

Table 6.1 Total Renewable Electric Generating Nameplate Capacity by Source and State, 2017
Megawatts

| Rank | (by State % renewable) | Geothermal | Conventional Hydroelectric | Biomass | | Solar | Wind | Total Renewable Electric Generating Capacity | Total Electric Generating Capacity | Percent Renewable |
|------|------------------------|--------------|----------------------------|-----------------------------------|----------------------------|---------------|---------------|--|------------------------------------|-------------------|
| | | | | Wood & Derived Fuels ¹ | Other Biomass ² | | | | | |
| 1 | Vermont | | 328 | 82 | 2 | 74 | 151 | 638 | 773 | 82.5% |
| 2 | Washington | | 21,139 | 397 | 77 | 1 | 3,074 | 24,687 | 31,800 | 77.6% |
| 3 | Idaho | 18 | 2,541 | 106 | 24 | 240 | 974 | 3,903 | 5,199 | 75.1% |
| 4 | Oregon | 37 | 8,451 | 300 | 58 | 205 | 3,211 | 12,262 | 17,240 | 71.1% |
| 5 | Dist. of Columbia | | | | 25 | | | 25 | 36 | 69.9% |
| 6 | South Dakota | | 1,734 | | | 1 | 988 | 2,723 | 4,673 | 58.3% |
| 7 | Montana | | 2,671 | 3 | | 17 | 687 | 3,378 | 6,470 | 52.2% |
| 8 | Maine | | 715 | 719 | 50 | 6 | 922 | 2,411 | 5,219 | 46.2% |
| 9 | North Dakota | | 614 | | 10 | | 3,080 | 3,704 | 8,632 | 42.9% |
| 10 | Iowa | | 129 | | 21 | 8 | 7,095 | 7,253 | 19,029 | 38.1% |
| 11 | California | 2,788 | 10,061 | 833 | 591 | 10,458 | 5,872 | 30,602 | 81,277 | 37.7% |
| 12 | Nevada | 751 | 1,052 | | 15 | 2,192 | 150 | 4,161 | 13,347 | 31.2% |
| 13 | Kansas | | 7 | | 9 | 4 | 5,133 | 5,153 | 17,254 | 29.9% |
| 14 | Minnesota | | 215 | 372 | 212 | 506 | 3,573 | 4,878 | 18,104 | 26.9% |
| 15 | Oklahoma | | 809 | 68 | 20 | 21 | 6,908 | 7,826 | 29,231 | 26.8% |
| 16 | New Mexico | 4 | 82 | | 5 | 517 | 1,765 | 2,373 | 9,002 | 26.4% |
| 17 | Colorado | | 672 | 13 | 21 | 462 | 3,107 | 4,276 | 17,769 | 24.1% |
| 18 | New Hampshire | | 516 | 243 | 34 | | 185 | 978 | 4,701 | 20.8% |
| 19 | Hawaii | 51 | 27 | | 230 | 98 | 206 | 612 | 2,967 | 20.6% |
| 20 | Wyoming | | 303 | | | | 1,487 | 1,791 | 9,480 | 18.9% |
| 21 | Texas | | 709 | 340 | 121 | 1,235 | 22,583 | 24,987 | 133,948 | 18.7% |
| 22 | Nebraska | | 200 | | 16 | 16 | 1,417 | 1,649 | 9,077 | 18.2% |
| 23 | North Carolina | | 1,890 | 545 | 100 | 3,347 | 208 | 6,090 | 36,031 | 16.9% |
| 24 | New York | | 4,684 | 148 | 438 | 161 | 1,830 | 7,262 | 43,298 | 16.8% |
| 25 | Utah | 84 | 275 | | 14 | 857 | 388 | 1,618 | 9,811 | 16.5% |
| 26 | Alaska | | 476 | | 6 | | | 482 | 3,020 | 16.0% |
| 27 | Arizona | | 2,718 | 30 | 6 | 2,059 | 267 | 5,080 | 32,142 | 15.8% |
| 28 | Alabama | | 3,107 | 757 | 28 | 182 | | 4,074 | 31,454 | 13.0% |
| 29 | Tennessee | | 2,499 | 186 | 15 | 92 | 29 | 2,820 | 23,648 | 11.9% |
| 30 | Arkansas | | 1,321 | 363 | 12 | 19 | 61 | 1,775 | 16,333 | 10.9% |
| 31 | Georgia | | 2,176 | 899 | 63 | 986 | | 4,123 | 39,830 | 10.4% |
| 32 | Massachusetts | | 270 | 18 | 343 | 653 | 93 | 1,377 | 13,412 | 10.3% |
| 33 | Michigan | | 362 | 375 | 239 | 73 | 1,858 | 2,906 | 32,169 | 9.0% |
| 34 | Wisconsin | | 537 | 326 | 111 | 18 | 736 | 1,728 | 19,164 | 9.0% |
| 35 | South Carolina | | 1,397 | 538 | 50 | 256 | | 2,241 | 24,912 | 9.0% |
| 36 | Illinois | | 40 | | 133 | 35 | 4,287 | 4,494 | 50,950 | 8.8% |
| 37 | Indiana | | 92 | | 80 | 197 | 2,109 | 2,478 | 28,917 | 8.6% |
| 38 | Virginia | | 822 | 662 | 356 | 406 | | 2,247 | 29,428 | 7.6% |
| 39 | Maryland | | 551 | 4 | 158 | 175 | 190 | 1,078 | 14,486 | 7.4% |
| 40 | West Virginia | | 371 | | | | 686 | 1,057 | 15,552 | 6.8% |
| 41 | Missouri | | 506 | | 17 | 49 | 959 | 1,531 | 23,883 | 6.4% |
| 42 | Pennsylvania | | 920 | 126 | 508 | 55 | 1,373 | 2,982 | 48,255 | 6.2% |
| 43 | Rhode Island | | 3 | | 44 | 19 | 53 | 118 | 2,124 | 5.6% |
| 44 | Kentucky | | 1,093 | 93 | 20 | 26 | | 1,232 | 23,924 | 5.2% |
| 45 | New Jersey | | 15 | | 262 | 671 | 9 | 957 | 19,499 | 4.9% |
| 46 | Connecticut | | 119 | 43 | 211 | 34 | 5 | 412 | 9,664 | 4.3% |
| 47 | Florida | | 56 | 561 | 981 | 518 | | 2,115 | 67,334 | 3.1% |
| 48 | Ohio | | 129 | 77 | 104 | 71 | 604 | 984 | 33,221 | 3.0% |
| 49 | Louisiana | | 192 | 541 | 15 | 1 | | 750 | 27,822 | 2.7% |
| 50 | Mississippi | | | 294 | 2 | 161 | | 457 | 17,804 | 2.6% |
| 51 | Delaware | | | | 12 | 32 | 2 | 46 | 3,592 | 1.3% |
| | U.S. Total | 3,732 | 79,595 | 10,059 | 5,869 | 27,209 | 88,316 | 214,779 | 1,186,903 | 18.1% |

¹Black liquor and wood/woodwaste solids and liquids

²Landfill gas, MSW biogenic (paper and paper board, wood, food, leather, textiles, and yard trimmings), agriculture byproducts/crops, sludge waste, and other biomass solids, liquids, and gases

Source: [EIA, Electric Power Annual - Historical state-level tables](#)

Table 6.1 Total Renewable Electric Generating Nameplate Capacity by Source and State, 2016
Megawatts

| Rank | (by State % renewable) | Geothermal | Conventional Hydroelectric | Biomass | | Solar | Wind | Total Renewable Electric Generating Capacity | Total Electric Generating Capacity | Percent Renewable |
|-------------------|------------------------|--------------|----------------------------|-----------------------------------|----------------------------|---------------|---------------|--|------------------------------------|-------------------|
| | | | | Wood & Derived Fuels ¹ | Other Biomass ² | | | | | |
| 1 | Vermont | | 327 | 82 | 3 | 66 | 121 | 600 | 735 | 81.6% |
| 2 | Washington | | 21,123 | 407 | 77 | 1 | 3,074 | 24,682 | 31,793 | 77.6% |
| 3 | Idaho | 18 | 2,543 | 106 | 24 | 120 | 974 | 3,785 | 5,091 | 74.3% |
| 4 | Oregon | 37 | 8,451 | 294 | 58 | 100 | 3,161 | 12,101 | 17,079 | 70.9% |
| 5 | South Dakota | | 1,734 | | | 1 | 988 | 2,723 | 4,673 | 58.3% |
| 6 | Dist. of Columbia | | | | 14 | | | 14 | 25 | 56.6% |
| 7 | Montana | | 2,665 | 3 | | | 687 | 3,355 | 6,447 | 52.0% |
| 8 | Maine | | 715 | 833 | 50 | | 899 | 2,496 | 5,211 | 47.9% |
| 9 | North Dakota | | 614 | | 10 | | 2,828 | 3,452 | 8,335 | 41.4% |
| 10 | Iowa | | 129 | | 21 | 3 | 6,934 | 7,087 | 18,458 | 38.4% |
| 11 | California | 2,908 | 10,055 | 899 | 581 | 9,562 | 5,671 | 29,676 | 81,807 | 36.3% |
| 12 | Nevada | 704 | 1,052 | | 15 | 1,903 | 150 | 3,824 | 13,557 | 28.2% |
| 13 | Kansas | | 7 | | 9 | 1 | 4,470 | 4,487 | 16,526 | 27.2% |
| 14 | Oklahoma | | 809 | 68 | 20 | 3 | 6,655 | 7,555 | 28,318 | 26.7% |
| 15 | Minnesota | | 215 | 372 | 212 | 256 | 3,368 | 4,424 | 17,680 | 25.0% |
| 16 | Colorado | | 670 | 13 | 21 | 419 | 3,027 | 4,150 | 17,839 | 23.3% |
| 17 | New Hampshire | | 425 | 243 | 34 | | 185 | 887 | 4,613 | 19.2% |
| 18 | Hawaii | 51 | 27 | | 220 | 51 | 206 | 554 | 2,893 | 19.1% |
| 19 | Wyoming | | 303 | | | | 1,487 | 1,791 | 9,480 | 18.9% |
| 20 | Alaska | | 475 | | 12 | | 61 | 547 | 3,010 | 18.2% |
| 21 | New Mexico | 4 | 82 | | 6 | 472 | 1,112 | 1,676 | 9,260 | 18.1% |
| 22 | Nebraska | | 200 | | 16 | 6 | 1,329 | 1,551 | 9,055 | 17.1% |
| 23 | Texas | | 709 | 340 | 125 | 585 | 20,188 | 21,945 | 128,676 | 17.1% |
| 24 | New York | | 4,678 | 148 | 434 | 110 | 1,829 | 7,199 | 43,255 | 16.6% |
| 25 | Utah | 84 | 262 | | 15 | 856 | 388 | 1,605 | 9,798 | 16.4% |
| 26 | Arizona | | 2,718 | 30 | 6 | 1,890 | 267 | 4,911 | 31,953 | 15.4% |
| 27 | North Carolina | | 1,890 | 545 | 95 | 2,431 | 208 | 5,170 | 35,309 | 14.6% |
| 28 | Alabama | | 3,107 | 718 | 6 | 75 | | 3,907 | 31,279 | 12.5% |
| 29 | Tennessee | | 2,499 | 186 | 15 | 73 | 29 | 2,801 | 24,123 | 11.6% |
| 30 | Arkansas | | 1,321 | 378 | 28 | 13 | | 1,740 | 16,342 | 10.6% |
| 31 | Georgia | | 2,176 | 891 | 62 | 978 | | 4,106 | 39,753 | 10.3% |
| 32 | Wisconsin | | 537 | 326 | 113 | 3 | 638 | 1,616 | 19,084 | 8.5% |
| 33 | Illinois | | 40 | | 139 | 33 | 4,009 | 4,220 | 50,817 | 8.3% |
| 34 | Massachusetts | | 269 | 18 | 340 | 484 | 96 | 1,207 | 14,769 | 8.2% |
| 35 | Michigan | | 362 | 375 | 240 | 13 | 1,609 | 2,598 | 31,884 | 8.1% |
| 36 | South Carolina | | 1,397 | 534 | 50 | 19 | | 2,000 | 24,738 | 8.1% |
| 37 | Indiana | | 92 | | 81 | 161 | 1,890 | 2,223 | 28,556 | 7.8% |
| 38 | Maryland | | 551 | 4 | 158 | 144 | 190 | 1,047 | 13,707 | 7.6% |
| 39 | Virginia | | 822 | 662 | 356 | 139 | | 1,980 | 28,350 | 7.0% |
| 40 | West Virginia | | 371 | | | | 686 | 1,057 | 15,991 | 6.6% |
| 41 | Pennsylvania | | 920 | 144 | 510 | 54 | 1,373 | 3,001 | 48,226 | 6.2% |
| 42 | Missouri | | 506 | | 17 | 26 | 659 | 1,208 | 23,758 | 5.1% |
| 43 | Rhode Island | | 3 | | 40 | 10 | 51 | 104 | 2,094 | 5.0% |
| 44 | Kentucky | | 1,017 | 93 | 20 | 10 | | 1,140 | 24,080 | 4.7% |
| 45 | New Jersey | | 15 | | 262 | 614 | 9 | 900 | 20,738 | 4.3% |
| 46 | Connecticut | | 119 | 43 | 211 | 25 | 5 | 403 | 9,652 | 4.2% |
| 47 | Florida | | 56 | 561 | 975 | 331 | | 1,922 | 66,705 | 2.9% |
| 48 | Ohio | | 129 | 81 | 99 | 49 | 534 | 891 | 31,607 | 2.8% |
| 49 | Louisiana | | 192 | 475 | 15 | | | 682 | 28,352 | 2.4% |
| 50 | Mississippi | | | 294 | 2 | 3 | | 299 | 18,074 | 1.7% |
| 51 | Delaware | | | | 12 | 31 | 2 | 45 | 3,628 | 1.2% |
| U.S. Total | | 3,805 | 79,376 | 10,164 | 5,830 | 22,122 | 82,048 | 203,344 | 1,177,183 | 17.3% |

¹Black liquor and wood/woodwaste solids and liquids

²Landfill gas, MSW biogenic (paper and paper board, wood, food, leather, textiles, and yard trimmings), agriculture byproducts/crops, sludge waste, and other biomass solids, liquids, and gases

Source: [EIA, Electric Power Annual - Historical state-level tables](#)

Table 6.1 Total Renewable Electric Generating Nameplate Capacity by Source and State, 2015
Megawatts

| Rank | (by State % renewable) | Geothermal | Conventional Hydroelectric | Biomass | | Solar | Wind | Total Renewable Electric Generating Capacity | Total Electric Generating Capacity | Percent Renewable |
|-------------------|------------------------|--------------|----------------------------|-----------------------------------|----------------------------|---------------|---------------|--|------------------------------------|-------------------|
| | | | | Wood & Derived Fuels ¹ | Other Biomass ² | | | | | |
| 1 | Vermont | | 325 | 82 | 3 | 33 | 121 | 564 | 700 | 80.6% |
| 2 | Washington | | 21,088 | 397 | 77 | 1 | 3,078 | 24,640 | 31,744 | 77.6% |
| 3 | Idaho | 18 | 2,541 | 106 | 35 | | 967 | 3,667 | 4,984 | 73.6% |
| 4 | Oregon | 37 | 8,451 | 347 | 58 | 19 | 3,158 | 12,071 | 16,548 | 72.9% |
| 5 | Dist. of Columbia | | | | 14 | | | 14 | 25 | 56.6% |
| 6 | South Dakota | | 1,602 | | | | 838 | 2,440 | 4,395 | 55.5% |
| 7 | Montana | | 2,628 | 4 | | | 662 | 3,294 | 6,367 | 51.7% |
| 8 | Maine | | 717 | 834 | 50 | | 613 | 2,214 | 4,911 | 45.1% |
| 9 | North Dakota | | 614 | | 10 | | 2,265 | 2,889 | 7,771 | 37.2% |
| 10 | Iowa | | 129 | | 23 | | 6,314 | 6,466 | 18,307 | 35.3% |
| 11 | California | 2,917 | 10,044 | 883 | 631 | 7,057 | 5,741 | 27,272 | 79,949 | 34.1% |
| 12 | Minnesota | | 215 | 372 | 212 | 4 | 3,248 | 4,051 | 17,402 | 23.3% |
| 13 | Kansas | | 7 | | 9 | 1 | 3,574 | 3,591 | 15,506 | 23.2% |
| 14 | Nevada | 702 | 1,052 | | 3 | 979 | 150 | 2,886 | 12,621 | 22.9% |
| 15 | Colorado | | 661 | 11 | 21 | 194 | 2,969 | 3,857 | 17,529 | 22.0% |
| 16 | Oklahoma | | 815 | 68 | 20 | 3 | 5,012 | 5,918 | 27,111 | 21.8% |
| 17 | Hawaii | 51 | 26 | | 256 | 44 | 206 | 583 | 2,921 | 20.0% |
| 18 | New Hampshire | | 425 | 243 | 36 | | 171 | 876 | 4,602 | 19.0% |
| 19 | Alaska | | 446 | | 12 | | 61 | 518 | 2,807 | 18.5% |
| 20 | Wyoming | | 303 | | | | 1,433 | 1,736 | 9,426 | 18.4% |
| 21 | New York | | 4,672 | 223 | 430 | 81 | 1,751 | 7,157 | 43,539 | 16.4% |
| 22 | New Mexico | 4 | 82 | | 2 | 312 | 1,062 | 1,462 | 9,161 | 16.0% |
| 23 | Texas | | 707 | 384 | 136 | 319 | 17,664 | 19,209 | 127,017 | 15.1% |
| 24 | Arizona | | 2,718 | 30 | 6 | 1,516 | 267 | 4,537 | 31,578 | 14.4% |
| 25 | Nebraska | | 332 | | 16 | | 885 | 1,233 | 9,286 | 13.3% |
| 26 | Alabama | | 3,319 | 718 | 6 | | | 4,044 | 32,849 | 12.3% |
| 27 | Tennessee | | 2,499 | 186 | 15 | 48 | 29 | 2,776 | 22,843 | 12.2% |
| 28 | North Carolina | | 1,890 | 435 | 92 | 1,444 | | 3,861 | 34,136 | 11.3% |
| 29 | Arkansas | | 1,321 | 350 | 28 | 12 | | 1,711 | 16,366 | 10.5% |
| 30 | Utah | 84 | 262 | | 15 | 166 | 324 | 852 | 9,148 | 9.3% |
| 31 | Wisconsin | | 527 | 326 | 112 | 1 | 638 | 1,603 | 19,082 | 8.4% |
| 32 | Georgia | | 1,965 | 936 | 37 | 241 | | 3,179 | 39,045 | 8.1% |
| 33 | Illinois | | 40 | | 125 | 33 | 3,825 | 4,022 | 51,604 | 7.8% |
| 34 | Michigan | | 366 | 375 | 240 | 2 | 1,530 | 2,512 | 33,031 | 7.6% |
| 35 | South Carolina | | 1,364 | 435 | 50 | 3 | | 1,851 | 24,586 | 7.5% |
| 36 | Maryland | | 551 | 4 | 160 | 91 | 190 | 995 | 13,775 | 7.2% |
| 37 | Massachusetts | | 269 | 18 | 340 | 344 | 84 | 1,055 | 14,659 | 7.2% |
| 38 | Indiana | | 92 | | 80 | 130 | 1,740 | 2,041 | 29,708 | 6.9% |
| 39 | Virginia | | 822 | 662 | 355 | | | 1,839 | 26,846 | 6.9% |
| 40 | Pennsylvania | | 920 | 144 | 508 | 49 | 1,334 | 2,954 | 46,258 | 6.4% |
| 41 | West Virginia | | 327 | | 2 | | 583 | 912 | 15,846 | 5.8% |
| 42 | Missouri | | 506 | | 17 | 12 | 459 | 993 | 23,837 | 4.2% |
| 43 | Connecticut | | 119 | 43 | 210 | 10 | | 381 | 9,617 | 4.0% |
| 44 | Kentucky | | 804 | 93 | 18 | | | 915 | 24,017 | 3.8% |
| 45 | New Jersey | | 15 | | 264 | 444 | 9 | 732 | 20,551 | 3.6% |
| 46 | Rhode Island | | 3 | | 40 | 10 | 8 | 61 | 2,052 | 3.0% |
| 47 | Ohio | | 129 | 81 | 99 | 44 | 432 | 784 | 31,559 | 2.5% |
| 48 | Florida | | | 590 | 977 | 85 | | 1,651 | 67,136 | 2.5% |
| 49 | Louisiana | | 192 | 546 | 15 | | | 754 | 30,812 | 2.4% |
| 50 | Mississippi | | | 294 | 2 | | | 296 | 18,166 | 1.6% |
| 51 | Delaware | | 56 | | 12 | 31 | 2 | | 3,628 | |
| U.S. Total | | 3,812 | 78,957 | 10,219 | 5,881 | 13,758 | 73,393 | 186,020 | 1,167,365 | 15.9% |

¹Black liquor and wood/woodwaste solids and liquids

²Landfill gas, MSW biogenic (paper and paper board, wood, food, leather, textiles, and yard trimmings), agriculture byproducts/crops, sludge waste, and other biomass solids, liquids, and gases

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Table 6.1 Total Renewable Electric Generating Nameplate Capacity by Source and State, 2014
Megawatts

| Rank | (by State % renewable) | Geothermal | Conventional Hydroelectric | Biomass | | Solar | Wind | Total Renewable Electric Generating Capacity | Total Electric Generating Capacity | Percent Renewable |
|-------------------|------------------------|--------------|----------------------------|-----------------------------------|----------------------------|---------------|---------------|--|------------------------------------|-------------------|
| | | | | Wood & Derived Fuels ¹ | Other Biomass ² | | | | | |
| 1 | Vermont | | 315 | 83 | 3 | 30 | 121 | 552 | 687 | 80.3% |
| 2 | Washington | | 20,977 | 335 | 71 | 1 | 3,078 | 24,462 | 31,660 | 77.3% |
| 3 | Idaho | 18 | 2,541 | 106 | 35 | | 967 | 3,667 | 4,978 | 73.7% |
| 4 | Oregon | 33 | 8,448 | 360 | 57 | 14 | 3,158 | 12,070 | 16,524 | 73.0% |
| 5 | South Dakota | | 1,602 | | | | 660 | 2,262 | 4,218 | 53.6% |
| 6 | Montana | | 2,628 | 4 | | | 662 | 3,294 | 6,582 | 50.0% |
| 7 | Maine | | 723 | 649 | 50 | | 431 | 1,853 | 4,773 | 38.8% |
| 8 | North Dakota | | 614 | | 10 | | 1,802 | 2,426 | 7,188 | 33.8% |
| 9 | California | 2,941 | 10,043 | 841 | 679 | 5,829 | 5,833 | 26,166 | 79,795 | 32.8% |
| 10 | Iowa | | 129 | | 20 | | 5,667 | 5,817 | 17,784 | 32.7% |
| 11 | Minnesota | | 215 | 254 | 275 | 2 | 3,050 | 3,795 | 17,707 | 21.4% |
| 12 | Colorado | | 661 | 11 | 21 | 130 | 2,594 | 3,418 | 16,710 | 20.5% |
| 13 | Nevada | 626 | 1,052 | | 3 | 618 | 150 | 2,449 | 12,184 | 20.1% |
| 14 | Kansas | | 7 | | 31 | | 2,969 | 3,007 | 15,333 | 19.6% |
| 15 | Hawaii | 51 | 26 | | 256 | 32 | 206 | 571 | 2,917 | 19.6% |
| 16 | New Hampshire | | 448 | 243 | 36 | | 171 | 899 | 4,626 | 19.4% |
| 17 | Alaska | | 440 | | 12 | | 73 | 525 | 2,702 | 19.4% |
| 18 | Wyoming | | 303 | | | | 1,433 | 1,736 | 9,406 | 18.5% |
| 19 | Oklahoma | | 809 | 68 | 20 | | 3,780 | 4,677 | 25,872 | 18.1% |
| 20 | New York | | 4,672 | 181 | 431 | 53 | 1,751 | 7,088 | 43,507 | 16.3% |
| 21 | Arizona | | 2,718 | 30 | 11 | 1,403 | 237 | 4,399 | 31,759 | 13.9% |
| 22 | New Mexico | 4 | 82 | | 2 | 251 | 812 | 1,151 | 8,813 | 13.1% |
| 23 | Nebraska | | 332 | | 16 | | 812 | 1,160 | 9,213 | 12.6% |
| 24 | Texas | | 688 | 384 | 134 | 187 | 14,000 | 15,392 | 122,727 | 12.5% |
| 25 | Tennessee | | 2,499 | 186 | 15 | 48 | 29 | 2,776 | 23,846 | 11.6% |
| 26 | Alabama | | 3,319 | 669 | 6 | | | 3,995 | 34,495 | 11.6% |
| 27 | Arkansas | | 1,321 | 350 | 28 | | | 1,699 | 16,358 | 10.4% |
| 28 | North Carolina | | 1,890 | 579 | 88 | 681 | | 3,239 | 33,003 | 9.8% |
| 29 | Wisconsin | | 527 | 379 | 112 | 1 | 638 | 1,656 | 19,597 | 8.5% |
| 30 | South Carolina | | 1,364 | 435 | 47 | 3 | | 1,848 | 24,763 | 7.5% |
| 31 | Utah | 84 | 262 | | 13 | 1 | 324 | 684 | 9,182 | 7.5% |
| 32 | Illinois | | 40 | | 142 | 32 | 3,552 | 3,765 | 50,607 | 7.4% |
| 33 | Michigan | | 366 | 252 | 233 | | 1,530 | 2,381 | 33,529 | 7.1% |
| 34 | Maryland | | 551 | 4 | 160 | 67 | 160 | 941 | 13,582 | 6.9% |
| 35 | Massachusetts | | 269 | 18 | 340 | 291 | 84 | 1,002 | 14,594 | 6.9% |
| 36 | Georgia | | 1,927 | 778 | 38 | 69 | | 2,811 | 41,272 | 6.8% |
| 37 | Virginia | | 822 | 662 | 348 | | | 1,832 | 28,043 | 6.5% |
| 38 | Indiana | | 92 | | 80 | 91 | 1,740 | 2,003 | 31,074 | 6.4% |
| 39 | Pennsylvania | | 920 | 144 | 511 | 49 | 1,344 | 2,967 | 46,975 | 6.3% |
| 40 | West Virginia | | 327 | | 2 | | 583 | 912 | 17,139 | 5.3% |
| 41 | Missouri | | 506 | | 17 | 8 | 459 | 989 | 23,871 | 4.1% |
| 42 | Connecticut | | 119 | 43 | 221 | 10 | | 392 | 9,667 | 4.1% |
| 43 | Kentucky | | 804 | 93 | 19 | | | 916 | 24,812 | 3.7% |
| 44 | New Jersey | | 15 | | 266 | 392 | 9 | 682 | 21,031 | 3.2% |
| 45 | Rhode Island | | 3 | | 40 | 7 | 8 | 58 | 2,046 | 2.8% |
| 46 | Florida | | 56 | 491 | 930 | 75 | | 1,552 | 68,115 | 2.3% |
| 47 | Ohio | | 129 | 97 | 100 | 37 | 424 | 787 | 34,535 | 2.3% |
| 48 | Louisiana | | 192 | 501 | 15 | | | 709 | 31,149 | 2.3% |
| 49 | Mississippi | | | 294 | 2 | | | 296 | 18,353 | 1.6% |
| 50 | Dist. of Columbia | | | | | | | 0 | 11 | 0.0% |
| 51 | Delaware | | | | 12 | 30 | 2 | | 3,266 | |
| U.S. Total | | 3,757 | 78,793 | 9,524 | 5,959 | 10,438 | 65,300 | 173,771 | 1,172,577 | 14.8% |

¹Black liquor and wood/woodwaste solids and liquids

²Landfill gas, MSW biogenic (paper and paper board, wood, food, leather, textiles, and yard trimmings), agriculture byproducts/crops, sludge waste, and other biomass solids, liquids, and gases

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| Rank (by % renewable) | (by State) | Geothermal | Conventional Hydroelectric | Biomass | | Solar | Wind | Total Renewable Electric Generating Capacity | Total Electric Generating Capacity | Percent Renewable |
|-----------------------------|-------------------|--------------|-------------------------------|--------------------------------------|----------------------------|--------------|---------------|--|--|----------------------|
| | | | | Wood & Derived Fuels ¹ | Other Biomass ² | | | | | |
| 1 | Washington | | 20,959 | 351 | 71 | 1 | 2,811 | 24,192 | 31,286 | 77.3% |
| 2 | Oregon | 33 | 8,312 | 360 | 49 | 11 | 3,161 | 11,925 | 16,172 | 73.7% |
| 3 | Idaho | 18 | 2,537 | 106 | 34 | | 967 | 3,662 | 4,973 | 73.6% |
| 4 | Montana | | 2,628 | 4 | | | 643 | 3,274 | 6,563 | 49.9% |
| 5 | Vermont | | 315 | 87 | 3 | 12 | 121 | 538 | 1,237 | 43.5% |
| 6 | Maine | | 717 | 679 | 50 | | 431 | 1,876 | 4,800 | 39.1% |
| 7 | South Dakota | | 1,602 | | | | | 1,602 | 4,382 | 36.6% |
| 8 | North Dakota | | 614 | | 10 | | 1,802 | 2,426 | 6,872 | 35.3% |
| 9 | Iowa | | 129 | | 16 | | 5,154 | 5,299 | 17,170 | 30.9% |
| 10 | California | 2,976 | 10,040 | 849 | 649 | 3,400 | 5,618 | 23,530 | 78,999 | 29.8% |
| 11 | Minnesota | | 205 | 254 | 276 | 2 | 2,848 | 3,585 | 17,481 | 20.5% |
| 12 | Kansas | | 7 | | 31 | | 2,969 | 3,007 | 15,350 | 19.6% |
| 13 | Wyoming | | 303 | | | | 1,433 | 1,736 | 8,928 | 19.4% |
| 14 | Colorado | | 657 | 11 | 21 | 122 | 2,331 | 3,143 | 16,505 | 19.0% |
| 15 | New Hampshire | | 448 | 243 | 39 | | 171 | 901 | 4,737 | 19.0% |
| 16 | Alaska | | 420 | | 12 | | 60 | 492 | 2,590 | 19.0% |
| 17 | Hawaii | 51 | 26 | | 260 | 15 | 206 | 558 | 3,008 | 18.6% |
| 18 | Nevada | 606 | 1,052 | | 3 | 370 | 150 | 2,182 | 12,384 | 17.6% |
| 19 | New York | | 4,669 | 181 | 428 | 46 | 1,735 | 7,059 | 43,375 | 16.3% |
| 20 | Oklahoma | | 807 | 68 | 20 | | 3,133 | 4,028 | 25,219 | 16.0% |
| 21 | Arizona | | 2,718 | 30 | 11 | 1,164 | 237 | 4,161 | 31,521 | 13.2% |
| 22 | New Mexico | 4 | 82 | | 7 | 191 | 778 | 1,060 | 8,711 | 12.2% |
| 23 | Alabama | | 3,319 | 718 | 2 | | | 4,039 | 35,102 | 11.5% |
| 24 | Texas | | 698 | 334 | 135 | 127 | 12,328 | 13,621 | 119,241 | 11.4% |
| 25 | Tennessee | | 2,499 | 186 | 15 | 16 | 29 | 2,744 | 24,218 | 11.3% |
| 26 | South Carolina | | 1,364 | 425 | 47 | 3 | 791 | 2,628 | 24,939 | 10.5% |
| 27 | Arkansas | | 1,321 | 350 | 28 | | | 1,699 | 16,358 | 10.4% |
| 28 | Nebraska | | 332 | | 11 | | 530 | 873 | 8,926 | 9.8% |
| 29 | North Carolina | | 1,890 | 571 | 64 | 336 | | 2,862 | 32,589 | 8.8% |
| 30 | Utah | 77 | 262 | | 13 | 1 | 324 | 678 | 8,077 | 8.4% |
| 31 | Wisconsin | | 519 | 325 | 101 | | 635 | 1,579 | 19,571 | 8.1% |
| 32 | Illinois | | 40 | | 144 | 32 | 3,550 | 3,765 | 50,891 | 7.4% |
| 33 | Virginia | | 822 | 662 | 346 | | | 1,830 | 26,570 | 6.9% |
| 34 | Georgia | | 1,927 | 746 | 36 | 61 | | 2,770 | 41,265 | 6.7% |
| 35 | Maryland | | 551 | 4 | 160 | 62 | 120 | 897 | 13,644 | 6.6% |
| 36 | Pennsylvania | | 920 | 144 | 514 | 47 | 1,344 | 2,969 | 47,485 | 6.3% |
| 37 | Michigan | | 366 | 253 | 216 | | 1,161 | 1,996 | 33,399 | 6.0% |
| 38 | Indiana | | 92 | | 67 | 49 | 1,540 | 1,748 | 30,819 | 5.7% |
| 39 | Massachusetts | | 269 | 18 | 337 | 133 | 75 | 831 | 15,197 | 5.5% |
| 40 | West Virginia | | 327 | | 2 | | 583 | 912 | 17,143 | 5.3% |
| 41 | Missouri | | 499 | | 11 | | 459 | 969 | 23,909 | 4.1% |
| 42 | Connecticut | | 119 | 43 | 221 | 5 | | 387 | 9,787 | 4.0% |
| 43 | Kentucky | | 804 | 93 | 19 | | | 916 | 24,987 | 3.7% |
| 44 | New Jersey | | 13 | | 264 | 332 | 8 | 617 | 20,830 | 3.0% |
| 45 | Rhode Island | | 3 | | 40 | 7 | 3 | 53 | 2,042 | 2.6% |
| 46 | Ohio | | 129 | 97 | 98 | 33 | 475 | 832 | 35,658 | 2.3% |
| 47 | Louisiana | | 192 | 501 | 15 | | | 709 | 30,525 | 2.3% |
| 48 | Florida | | 56 | 491 | 929 | 69 | | 1,545 | 67,605 | 2.3% |
| 49 | Mississippi | | | 294 | 2 | | | 296 | 17,536 | 1.7% |
| 50 | Delaware | | | | 8 | 28 | 2 | 38 | 3,437 | 1.1% |
| 51 | Dist. of Columbia | | | | | | | | 11 | |
| U.S. Total | | 3,765 | 78,581 | 9,477 | 5,832 | 6,674 | 60,712 | 165,041 | 1,164,022 | 14.2% |

¹Black liquor and wood/woodwaste solids and liquids

²Landfill gas, MSW biogenic (paper and paper board, wood, food, leather, textiles, and yard trimmings), agriculture byproducts/crops, sludge waste, and other biomass solids, liquids, and gases

Source: [EIA, Electric Power Annual - Historical state-level tables](#)

Table 6.1 Total Renewable Electric Generating Nameplate Capacity by Source and State, 2012
Megawatts

| Rank (by % renewable) | (by State) | Geothermal | Conventional Hydroelectric | Biomass | | Solar | Wind | Total Renewable Electric Generating Capacity | Total Electric Generating Capacity | Percent Renewable |
|-----------------------------|-------------------|--------------|-------------------------------|--------------------------------------|----------------------------|--------------|---------------|--|--|----------------------|
| | | | | Wood & Derived Fuels ¹ | Other Biomass ² | | | | | |
| 1 | Washington | | 20,903 | 331 | 73 | 1 | 2,811 | 24,117 | 31,591 | 76.3% |
| 2 | Idaho | 18 | 2,536 | 126 | 22 | | 967 | 3,669 | 4,962 | 73.9% |
| 3 | Oregon | 33 | 8,243 | 360 | 43 | 11 | 3,161 | 11,850 | 16,098 | 73.6% |
| 4 | South Dakota | | 1,602 | | | | 791 | 2,393 | 4,299 | 55.7% |
| 5 | Montana | | 2,604 | | | | 643 | 3,246 | 6,484 | 50.1% |
| 6 | Vermont | | 315 | 85 | 3 | 8 | 121 | 532 | 1,233 | 43.1% |
| 7 | Maine | | 733 | 522 | 86 | | 431 | 1,772 | 4,800 | 36.9% |
| 8 | North Dakota | | 614 | | 10 | | 1,802 | 2,426 | 6,746 | 36.0% |
| 9 | Iowa | | 131 | | 15 | | 5,104 | 5,250 | 17,271 | 30.4% |
| 10 | California | 3,012 | 10,054 | 804 | 635 | 1,186 | 5,521 | 21,211 | 76,327 | 27.8% |
| 11 | Minnesota | | 204 | 225 | 266 | | 2,846 | 3,541 | 17,495 | 20.2% |
| 12 | Alaska | | 420 | | 9 | | 33 | 462 | 2,322 | 19.9% |
| 13 | Wyoming | | 303 | | | | 1,433 | 1,736 | 8,834 | 19.7% |
| 14 | Colorado | | 640 | | 18 | 117 | 2,299 | 3,074 | 16,674 | 18.4% |
| 15 | Kansas | | 7 | | 7 | | 2,719 | 2,733 | 15,112 | 18.1% |
| 16 | New Hampshire | | 446 | 152 | 39 | | 171 | 808 | 4,645 | 17.4% |
| 17 | Hawaii | 51 | 26 | | 227 | 7 | 206 | 517 | 2,982 | 17.3% |
| 18 | Nevada | 558 | 1,052 | | 3 | 337 | 150 | 2,100 | 12,309 | 17.1% |
| 19 | Oklahoma | | 805 | 68 | 17 | | 3,133 | 4,023 | 25,209 | 16.0% |
| 20 | New York | | 4,656 | 97 | 423 | 32 | 1,641 | 6,847 | 43,418 | 15.8% |
| 21 | Arizona | | 2,718 | 30 | 11 | 649 | 237 | 3,645 | 31,233 | 11.7% |
| 22 | Tennessee | | 2,499 | 186 | 12 | 15 | 29 | 2,740 | 24,214 | 11.3% |
| 23 | Alabama | | 3,280 | 718 | 2 | | | 4,000 | 35,494 | 11.3% |
| 24 | Texas | | 698 | 334 | 130 | 76 | 12,185 | 13,423 | 119,312 | 11.3% |
| 25 | New Mexico | | 82 | | 7 | 161 | 778 | 1,027 | 9,185 | 11.2% |
| 26 | Arkansas | | 1,321 | 371 | 28 | | | 1,720 | 18,023 | 9.5% |
| 27 | Nebraska | | 332 | | 11 | | 455 | 799 | 8,876 | 9.0% |
| 28 | Utah | 52 | 262 | | 13 | 1 | 324 | 653 | 8,038 | 8.1% |
| 29 | North Carolina | | 1,863 | 543 | 65 | 117 | | 2,587 | 33,196 | 7.8% |
| 30 | Wisconsin | | 525 | 274 | 85 | | 636 | 1,519 | 20,137 | 7.5% |
| 31 | Illinois | | 40 | | 149 | 29 | 3,545 | 3,762 | 51,142 | 7.4% |
| 32 | South Carolina | | 1,363 | 385 | 47 | | | 1,795 | 24,873 | 7.2% |
| 33 | Maryland | | 551 | 4 | 159 | 28 | 120 | 862 | 13,521 | 6.4% |
| 34 | Georgia | | 1,927 | 678 | 31 | 3 | | 2,638 | 41,554 | 6.3% |
| 35 | Virginia | | 832 | 380 | 346 | | | 1,558 | 26,544 | 5.9% |
| 36 | Pennsylvania | | 783 | 157 | 492 | 43 | 1,344 | 2,819 | 49,700 | 5.7% |
| 37 | Indiana | | 92 | | 62 | 4 | 1,540 | 1,698 | 30,095 | 5.6% |
| 38 | Massachusetts | | 270 | 135 | 338 | 42 | 66 | 850 | 15,439 | 5.5% |
| 39 | West Virginia | | 326 | | 2 | | 583 | 912 | 17,182 | 5.3% |
| 40 | Michigan | | 370 | 275 | 213 | | 876 | 1,734 | 33,565 | 5.2% |
| 41 | Missouri | | 499 | | 10 | | 459 | 968 | 23,949 | 4.0% |
| 42 | Kentucky | | 804 | 93 | 17 | | | 914 | 25,143 | 3.6% |
| 43 | Connecticut | | 119 | | 221 | | | 339 | 10,056 | 3.4% |
| 44 | New Jersey | | 13 | | 254 | 231 | 8 | 506 | 20,743 | 2.4% |
| 45 | Ohio | | 129 | 97 | 90 | 29 | 462 | 806 | 36,027 | 2.2% |
| 46 | Louisiana | | 192 | 430 | 15 | | | 637 | 30,566 | 2.1% |
| 47 | Florida | | 56 | 419 | 789 | 68 | | 1,331 | 68,232 | 2.0% |
| 48 | Rhode Island | | 3 | | 26 | | 2 | 30 | 2,019 | 1.5% |
| 49 | Mississippi | | | 244 | 2 | | | 246 | 17,542 | 1.4% |
| 50 | Delaware | | | | 8 | 24 | 2 | 34 | 3,575 | 1.0% |
| 51 | Dist. of Columbia | | | | | | | | 11 | |
| U.S. Total | | 3,724 | 78,241 | 8,520 | 5,527 | 3,215 | 59,629 | 158,856 | 1,167,995 | 13.6% |

¹Black liquor and wood/woodwaste solids and liquids

²Landfill gas, MSW biogenic (paper and paper board, wood, food, leather, textiles, and yard trimmings), agriculture byproducts/crops, sludge waste, and other biomass solids, liquids, and gases

Source: [EIA, Electric Power Annual - Historical state-level tables](#)

Table 6.1 Total Renewable Electric Generating Nameplate Capacity by Source and State, 2011
Megawatts

| Rank (by % renewable) | (by State) | Geothermal | Conventional Hydroelectric | Biomass | | Solar | Wind | Total Renewable Electric Generating Capacity | Total Electric Generating Capacity | Percent Renewable |
|-----------------------------|-------------------|--------------|-------------------------------|--------------------------------------|----------------------------|--------------|---------------|--|--|----------------------|
| | | | | Wood & Derived Fuels ¹ | Other Biomass ² | | | | | |
| 1 | Idaho | 18 | 2,536 | 126 | 13 | | 611 | 3,304 | 4,278 | 77.2% |
| 2 | Washington | | 20,864 | 335 | 68 | 1 | 2,458 | 23,726 | 31,167 | 76.1% |
| 3 | Oregon | | 8,241 | 323 | 38 | 3 | 2,215 | 10,819 | 15,014 | 72.1% |
| 4 | South Dakota | | 1,598 | | | | 780 | 2,378 | 3,961 | 60.0% |
| 5 | Montana | | 2,585 | | | | 384 | 2,969 | 6,160 | 48.2% |
| 6 | Vermont | | 315 | 85 | 3 | 2 | 46 | 451 | 1,152 | 39.2% |
| 7 | Maine | | 733 | 543 | 108 | | 326 | 1,710 | 4,689 | 36.5% |
| 8 | North Dakota | | 614 | | 10 | | 1,550 | 2,174 | 6,519 | 33.3% |
| 9 | Iowa | | 131 | | 15 | | 4,302 | 4,448 | 16,470 | 27.0% |
| 10 | California | 2,924 | 10,050 | 733 | 468 | 626 | 3,771 | 18,571 | 73,378 | 25.3% |
| 11 | Wyoming | | 303 | | | | 1,432 | 1,735 | 8,829 | 19.7% |
| 12 | Minnesota | | 213 | 225 | 262 | | 2,580 | 3,280 | 17,169 | 19.1% |
| 13 | Alaska | | 421 | | | | 7 | 428 | 2,261 | 18.9% |
| 14 | Colorado | | 645 | | 18 | 87 | 1,803 | 2,554 | 15,876 | 16.1% |
| 15 | New York | | 4,657 | 97 | 415 | 32 | 1,399 | 6,600 | 43,656 | 15.1% |
| 16 | New Hampshire | | 446 | 150 | 32 | | 24 | 652 | 4,490 | 14.5% |
| 17 | Hawaii | 35 | 25 | | 227 | 2 | 92 | 381 | 2,810 | 13.5% |
| 18 | Nevada | 471 | 1,052 | | | 149 | | 1,671 | 13,517 | 12.4% |
| 19 | Tennessee | | 2,499 | 186 | 9 | | 29 | 2,723 | 23,585 | 11.5% |
| 20 | Oklahoma | | 805 | 68 | 17 | | 1,811 | 2,701 | 24,051 | 11.2% |
| 21 | Alabama | | 3,280 | 636 | | | | 3,916 | 35,506 | 11.0% |
| 22 | New Mexico | | 82 | | 7 | 130 | 750 | 968 | 9,145 | 10.6% |
| 23 | Arkansas | | 1,321 | 371 | 28 | | | 1,720 | 17,215 | 10.0% |
| 24 | Arizona | | 2,718 | 30 | 8 | 131 | 138 | 3,025 | 30,473 | 9.9% |
| 25 | Texas | | 698 | 220 | 130 | 44 | 10,367 | 11,460 | 118,835 | 9.6% |
| 26 | Kansas | | 3 | | 7 | | 1,272 | 1,282 | 13,821 | 9.3% |
| 27 | Utah | 52 | 262 | | 10 | | 324 | 648 | 7,972 | 8.1% |
| 28 | North Carolina | | 1,856 | 543 | 50 | 59 | | 2,508 | 31,202 | 8.0% |
| 29 | Nebraska | | 332 | | 11 | | 333 | 676 | 8,754 | 7.7% |
| 30 | Wisconsin | | 528 | 267 | 89 | | 631 | 1,515 | 20,030 | 7.6% |
| 31 | Georgia | | 1,930 | 678 | 24 | | | 2,631 | 40,208 | 6.5% |
| 32 | South Carolina | | 1,363 | 285 | 36 | | | 1,684 | 25,955 | 6.5% |
| 33 | Maryland | | 551 | 4 | 155 | 4 | 120 | 834 | 13,703 | 6.1% |
| 34 | Illinois | | 40 | | 137 | 9 | 2,737 | 2,923 | 49,739 | 5.9% |
| 35 | Virginia | | 832 | 380 | 337 | | | 1,549 | 26,382 | 5.9% |
| 36 | Massachusetts | | 272 | 144 | 340 | 12 | 31 | 798 | 15,384 | 5.2% |
| 37 | Indiana | | 92 | | 56 | | 1,340 | 1,488 | 30,765 | 4.8% |
| 38 | West Virginia | | 325 | | 2 | | 528 | 855 | 18,302 | 4.7% |
| 39 | Pennsylvania | | 778 | 124 | 474 | 25 | 789 | 2,190 | 49,925 | 4.4% |
| 40 | Missouri | | 499 | | 8 | | 459 | 966 | 23,764 | 4.1% |
| 41 | Michigan | | 383 | 275 | 200 | | 376 | 1,235 | 33,066 | 3.7% |
| 42 | Kentucky | | 804 | 93 | 17 | | | 914 | 25,143 | 3.6% |
| 43 | Connecticut | | 119 | | 221 | | | 339 | 9,865 | 3.4% |
| 44 | New Jersey | | 13 | | 245 | 147 | 8 | 412 | 19,693 | 2.1% |
| 45 | Florida | | 56 | 405 | 791 | 67 | | 1,318 | 68,425 | 1.9% |
| 46 | Louisiana | | 192 | 351 | 15 | | | 558 | 30,628 | 1.8% |
| 47 | Rhode Island | | 3 | | 26 | | 2 | 30 | 2,019 | 1.5% |
| 48 | Mississippi | | | 244 | | | | 244 | 17,507 | 1.4% |
| 49 | Ohio | | 129 | 97 | 59 | 23 | 160 | 467 | 36,305 | 1.3% |
| 50 | Delaware | | | | 8 | 13 | 2 | 23 | 3,526 | 0.6% |
| 51 | Dist. of Columbia | | | | | | | | 861 | |
| U.S. Total | | 3,500 | 78,194 | 8,014 | 5,192 | 1,564 | 45,982 | 142,447 | 1,153,149 | 12.4% |

¹Black liquor and wood/woodwaste solids and liquids

²Landfill gas, MSW biogenic (paper and paper board, wood, food, leather, textiles, and yard trimmings), agriculture byproducts/crops, sludge waste, and other biomass solids, liquids, and gases

Source: [EIA, Electric Power Annual - Historical state-level tables](#)

Table 6.1 Total Renewable Electric Generating Nameplate Capacity by Source and State, 2010
Megawatts

| Rank (by % renewable) | State | Geothermal | Conventional Hydroelectric | Biomass | | Solar | Wind | Total Renewable Electric Generating Capacity | Total Electric Generating Capacity | Percent Renewable |
|-----------------------------|-------------------|--------------|-------------------------------|--------------------------------------|----------------------------|------------|---------------|--|--|----------------------|
| | | | | Wood & Derived Fuels ¹ | Other Biomass ² | | | | | |
| 1 | Washington | | 20,954 | 389 | 42 | 1 | 2,297 | 23,683 | 31,063 | 76.2% |
| 2 | Idaho | 18 | 2,536 | 126 | 6 | | 352 | 3,038 | 4,013 | 75.7% |
| 3 | Oregon | | 8,245 | 303 | 36 | | 2,011 | 10,595 | 14,790 | 71.6% |
| 4 | South Dakota | | 1,598 | | | | 629 | 2,227 | 3,809 | 58.5% |
| 5 | Montana | | 2,570 | | | | 385 | 2,955 | 5,992 | 49.3% |
| 6 | Maine | | 724 | 663 | 108 | | 266 | 1,761 | 4,754 | 37.0% |
| 7 | Vermont | | 315 | 85 | 3 | | 6 | 409 | 1,108 | 36.9% |
| 8 | North Dakota | | 614 | | 10 | | 1,550 | 2,174 | 6,518 | 33.4% |
| 9 | Iowa | | 131 | | 15 | | 3,665 | 3,811 | 15,757 | 24.2% |
| 10 | California | 2,924 | 10,046 | 725 | 460 | 483 | 2,814 | 17,452 | 72,570 | 24.0% |
| 11 | Wyoming | | 303 | | | | 1,415 | 1,718 | 8,379 | 20.5% |
| 12 | Alaska | | 420 | | | | 7 | 427 | 2,261 | 18.9% |
| 13 | Minnesota | | 204 | 225 | 251 | | 2,009 | 2,689 | 16,608 | 16.2% |
| 14 | New York | | 4,657 | 97 | 411 | | 1,274 | 6,439 | 42,842 | 15.0% |
| 15 | New Hampshire | | 446 | 150 | 32 | | 24 | 652 | 4,501 | 14.5% |
| 16 | Colorado | | 645 | | 18 | 43 | 1,296 | 2,002 | 15,578 | 12.9% |
| 17 | Nevada | 469 | 1,052 | | | 149 | | 1,670 | 13,177 | 12.7% |
| 18 | Hawaii | 35 | 25 | | 227 | 2 | 62 | 351 | 2,776 | 12.6% |
| 19 | Tennessee | | 2,499 | 186 | 10 | | 29 | 2,724 | 23,847 | 11.4% |
| 20 | Alabama | | 3,280 | 627 | | | | 3,907 | 35,288 | 11.1% |
| 21 | Oklahoma | | 805 | 68 | 17 | | 1,480 | 2,370 | 23,063 | 10.3% |
| 22 | Arkansas | | 1,321 | 371 | 29 | | | 1,721 | 17,242 | 10.0% |
| 23 | Arizona | | 2,718 | 30 | 5 | 21 | 128 | 2,902 | 29,623 | 9.8% |
| 24 | Texas | | 698 | 220 | 119 | 14 | 9,958 | 11,009 | 117,734 | 9.4% |
| 25 | New Mexico | | 79 | | 7 | 30 | 700 | 816 | 9,015 | 9.1% |
| 26 | North Carolina | | 1,848 | 543 | 34 | 48 | | 2,473 | 30,197 | 8.2% |
| 27 | Kansas | | 3 | | 7 | | 1,072 | 1,082 | 13,600 | 8.0% |
| 28 | Wisconsin | | 518 | 267 | 89 | | 469 | 1,343 | 19,050 | 7.0% |
| 29 | Utah | 52 | 262 | | 10 | | 222 | 546 | 7,860 | 6.9% |
| 30 | Georgia | | 1,932 | 678 | 20 | | | 2,630 | 39,665 | 6.6% |
| 31 | Nebraska | | 332 | | 11 | | 212 | 555 | 8,380 | 6.6% |
| 32 | South Carolina | | 1,363 | 285 | 31 | | | 1,679 | 25,878 | 6.5% |
| 33 | Virginia | | 832 | 346 | 332 | | | 1,510 | 25,912 | 5.8% |
| 34 | Maryland | | 527 | 4 | 153 | 1 | 70 | 755 | 13,611 | 5.5% |
| 35 | Indiana | | 92 | | 56 | | 1,340 | 1,488 | 30,928 | 4.8% |
| 36 | West Virginia | | 325 | | | | 431 | 756 | 17,350 | 4.4% |
| 37 | Pennsylvania | | 775 | 124 | 470 | 17 | 748 | 2,134 | 49,650 | 4.3% |
| 38 | Illinois | | 40 | | 134 | 9 | 1,946 | 2,129 | 50,092 | 4.3% |
| 39 | Massachusetts | | 272 | 27 | 338 | 5 | 11 | 653 | 15,378 | 4.2% |
| 40 | Missouri | | 499 | | 8 | | 459 | 966 | 23,499 | 4.1% |
| 41 | Connecticut | | 119 | | 221 | | | 340 | 8,990 | 3.8% |
| 42 | Kentucky | | 804 | 93 | 17 | | | 914 | 24,303 | 3.8% |
| 43 | Michigan | | 383 | 247 | 193 | | 164 | 987 | 32,992 | 3.0% |
| 44 | Florida | | 56 | 380 | 785 | 125 | | 1,346 | 67,780 | 2.0% |
| 45 | Louisiana | | 192 | 351 | 15 | | | 558 | 31,169 | 1.8% |
| 46 | Rhode Island | | 3 | | 26 | | 2 | 31 | 2,022 | 1.5% |
| 47 | New Jersey | | 13 | | 231 | 28 | 8 | 280 | 20,038 | 1.4% |
| 48 | Mississippi | | | 244 | | | | 244 | 17,606 | 1.4% |
| 49 | Ohio | | 128 | 98 | 50 | 13 | 7 | 296 | 36,018 | 0.8% |
| 50 | Delaware | | | | 8 | | 2 | 10 | 3,514 | 0.3% |
| 51 | Dist. of Columbia | | | | | | | | 850 | |
| U.S. Total | | 3,498 | 78,204 | 7,949 | 5,043 | 987 | 39,516 | 135,197 | 1,138,638 | 11.9% |

¹Black liquor and wood/woodwaste solids and liquids

²Landfill gas, MSW biogenic (paper and paper board, wood, food, leather, textiles, and yard trimmings), agriculture byproducts/crops, sludge waste, and other biomass solids, liquids, and gases

Source: [EIA, Electric Power Annual - Historical state-level tables](#)

Table 6.1 Total Renewable Electric Generating Nameplate Capacity by Source and State, 2009
Megawatts

| Rank (by % renewable) | State | Geothermal | Conventional Hydroelectric | Biomass | | Solar | Wind | Total Renewable Electric Generating Capacity | Total Electric Generating Capacity | Percent Renewable |
|-----------------------------|-------------------|--------------|-------------------------------|--------------------------------------|----------------------------|------------|---------------|--|--|----------------------|
| | | | | Wood & Derived Fuels ¹ | Other Biomass ² | | | | | |
| 1 | Washington | | 20,815 | 392 | 45 | 1 | 2,007 | 23,260 | 30,629 | 75.9% |
| 2 | Idaho | 18 | 2,516 | 126 | 5 | | 146 | 2,811 | 3,785 | 74.3% |
| 3 | Oregon | | 8,240 | 348 | 32 | | 1,665 | 10,285 | 14,524 | 70.8% |
| 4 | South Dakota | | 1,598 | | | | 320 | 1,918 | 3,500 | 54.8% |
| 5 | Montana | | 2,570 | 17 | | | 375 | 2,962 | 5,904 | 50.2% |
| 6 | Vermont | | 315 | 85 | 3 | | 6 | 409 | 1,108 | 36.9% |
| 7 | Maine | | 725 | 663 | 108 | | 170 | 1,666 | 4,658 | 35.8% |
| 8 | North Dakota | | 614 | | 10 | | 1,329 | 1,953 | 6,297 | 31.0% |
| 9 | California | 2,885 | 10,049 | 727 | 502 | 458 | 2,653 | 17,274 | 70,933 | 24.4% |
| 10 | Iowa | | 131 | | 15 | | 3,448 | 3,594 | 15,809 | 22.7% |
| 11 | Alaska | | 419 | | | | 7 | 426 | 2,212 | 19.3% |
| 12 | Wyoming | | 300 | | | | 1,104 | 1,404 | 7,948 | 17.7% |
| 13 | New York | | 4,657 | 97 | 396 | | 1,274 | 6,424 | 43,104 | 14.9% |
| 14 | New Hampshire | | 445 | 162 | 32 | | 24 | 663 | 4,513 | 14.7% |
| 15 | Minnesota | | 204 | 225 | 246 | | 1,636 | 2,311 | 16,259 | 14.2% |
| 16 | Colorado | | 649 | | 18 | 15 | 1,240 | 1,922 | 14,744 | 13.0% |
| 17 | Hawaii | 35 | 25 | | 227 | 1 | 64 | 352 | 2,805 | 12.5% |
| 18 | Nevada | 445 | 1,052 | | | 101 | | 1,598 | 13,160 | 12.1% |
| 19 | Tennessee | | 2,479 | 166 | 10 | | 29 | 2,684 | 23,207 | 11.6% |
| 20 | Alabama | | 3,280 | 627 | | | | 3,907 | 34,021 | 11.5% |
| 21 | Arkansas | | 1,321 | 371 | 25 | | | 1,717 | 16,474 | 10.4% |
| 22 | Arizona | | 2,718 | 30 | 5 | 11 | 63 | 2,827 | 29,548 | 9.6% |
| 23 | Texas | | 697 | 220 | 111 | | 9,384 | 10,412 | 111,848 | 9.3% |
| 24 | Oklahoma | | 792 | 68 | 17 | | 1,130 | 2,007 | 22,892 | 8.8% |
| 25 | New Mexico | | 79 | | 7 | | 597 | 683 | 8,893 | 7.7% |
| 26 | Kansas | | 3 | | | | 1,011 | 1,014 | 13,576 | 7.5% |
| 27 | North Carolina | | 1,848 | 340 | 30 | 3 | | 2,221 | 30,103 | 7.4% |
| 28 | Utah | 38 | 263 | | 10 | | 222 | 533 | 7,803 | 6.8% |
| 29 | Wisconsin | | 518 | 214 | 84 | | 449 | 1,265 | 18,560 | 6.8% |
| 30 | Georgia | | 1,932 | 645 | 15 | | | 2,592 | 39,639 | 6.5% |
| 31 | South Carolina | | 1,363 | 234 | 27 | | | 1,624 | 25,790 | 6.3% |
| 32 | Nebraska | | 332 | | 11 | | 152 | 495 | 8,247 | 6.0% |
| 33 | Virginia | | 744 | 442 | 318 | | | 1,504 | 25,833 | 5.8% |
| 34 | Maryland | | 527 | 4 | 153 | | | 684 | 13,550 | 5.0% |
| 35 | Pennsylvania | | 775 | 124 | 463 | 4 | 748 | 2,114 | 49,787 | 4.2% |
| 36 | Massachusetts | | 271 | 27 | 348 | | 5 | 651 | 15,358 | 4.2% |
| 37 | Connecticut | | 119 | | 221 | | | 340 | 8,714 | 3.9% |
| 38 | Kentucky | | 804 | 93 | 17 | | | 914 | 23,970 | 3.8% |
| 39 | West Virginia | | 325 | | | | 330 | 655 | 17,250 | 3.8% |
| 40 | Indiana | | 92 | | 47 | | 1,037 | 1,176 | 30,990 | 3.8% |
| 41 | Missouri | | 499 | | 8 | | 309 | 816 | 22,460 | 3.6% |
| 42 | Illinois | | 39 | | 154 | 9 | 1,596 | 1,798 | 50,053 | 3.6% |
| 43 | Michigan | | 377 | 247 | 184 | | 143 | 951 | 33,080 | 2.9% |
| 44 | Louisiana | | 192 | 411 | 15 | | | 618 | 30,116 | 2.1% |
| 45 | Florida | | 56 | 389 | 783 | 25 | | 1,253 | 67,343 | 1.9% |
| 46 | Rhode Island | | 3 | | 26 | | | 29 | 2,020 | 1.4% |
| 47 | New Jersey | | 13 | | 233 | 13 | 8 | 267 | 20,082 | 1.3% |
| 48 | Ohio | | 128 | 98 | 43 | | 7 | 276 | 36,462 | 0.8% |
| 49 | Delaware | | | | 7 | | | 7 | 3,511 | 0.2% |
| 50 | Dist. of Columbia | | | | | | | | 850 | |
| 51 | Mississippi | | | 238 | | | | | 17,769 | |
| | U.S. Total | 3,421 | 77,910 | 7,829 | 5,007 | 640 | 34,683 | 129,490 | 1,121,686 | 11.5% |

¹Black liquor and wood/woodwaste solids and liquids

²Landfill gas, MSW biogenic (paper and paper board, wood, food, leather, textiles, and yard trimmings), agriculture byproducts/crops, sludge waste, and other biomass solids, liquids, and gases

Source: [EIA, Electric Power Annual - Historical state-level tables](#)

Table 6.1 Total Renewable Electric Generating Net Summer Capacity by Source and State, 2017
Megawatts

| Rank % renewable) | (by State | Geothermal | Conventional Hydroelectric | Biomass | | Solar | Wind | Total Renewable Electric Generating Capacity | Total Electric Generating Capacity | Percent Renewable |
|----------------------|-------------------|--------------|-------------------------------|--------------------------------------|----------------------------|---------------|---------------|--|--|----------------------|
| | | | | Wood & Derived Fuels ¹ | Other Biomass ² | | | | | |
| 1 | Vermont | | 331 | 73 | 2 | 74 | 150 | 630 | 730 | 86.3% |
| 2 | Washington | | 21,215 | 337 | 74 | 1 | 3,073 | 24,699 | 30,957 | 79.8% |
| 3 | Idaho | 10 | 2,708 | 61 | 23 | 240 | 971 | 4,012 | 5,154 | 77.8% |
| 4 | Oregon | 20 | 8,423 | 259 | 56 | 204 | 3,210 | 12,172 | 16,495 | 73.8% |
| 5 | Dist. of Columbia | | | | 23 | | | 23 | 32 | 71.9% |
| 6 | South Dakota | | 1,700 | | | 1 | 988 | 2,689 | 4,381 | 61.4% |
| 7 | Montana | | 2,748 | 3 | | 17 | 679 | 3,446 | 6,231 | 55.3% |
| 8 | Maine | | 732 | 645 | 41 | 6 | 922 | 2,346 | 4,920 | 47.7% |
| 9 | North Dakota | | 510 | | 10 | | 3,073 | 3,593 | 8,234 | 43.6% |
| 10 | Iowa | | 146 | | 21 | 8 | 6,967 | 7,143 | 17,666 | 40.4% |
| 11 | California | 1,838 | 10,198 | 714 | 524 | 10,377 | 5,858 | 29,508 | 76,111 | 38.8% |
| 12 | Nevada | 498 | 1,051 | | 10 | 2,168 | 150 | 3,878 | 11,676 | 33.2% |
| 13 | Kansas | | 7 | | 9 | 4 | 5,116 | 5,136 | 16,138 | 31.8% |
| 14 | Oklahoma | | 862 | 58 | 18 | 21 | 6,898 | 7,856 | 26,691 | 29.4% |
| 15 | Minnesota | | 206 | 318 | 168 | 499 | 3,563 | 4,752 | 16,429 | 28.9% |
| 16 | New Mexico | 2 | 83 | | 5 | 516 | 1,765 | 2,371 | 8,340 | 28.4% |
| 17 | Colorado | | 687 | 13 | 16 | 461 | 3,106 | 4,283 | 16,017 | 26.7% |
| 18 | Hawaii | 43 | 26 | | 217 | 98 | 206 | 590 | 2,718 | 21.7% |
| 19 | New Hampshire | | 505 | 210 | 31 | | 183 | 929 | 4,441 | 20.9% |
| 20 | Wyoming | | 307 | | | | 1,487 | 1,794 | 8,584 | 20.9% |
| 21 | Texas | | 670 | 313 | 112 | 1,240 | 22,583 | 24,918 | 123,512 | 20.2% |
| 22 | Nebraska | | 174 | | 16 | 16 | 1,417 | 1,623 | 8,541 | 19.0% |
| 23 | North Carolina | | 2,002 | 474 | 95 | 3,344 | 208 | 6,122 | 33,025 | 18.5% |
| 24 | Utah | 73 | 269 | | 13 | 857 | 388 | 1,601 | 8,989 | 17.8% |
| 25 | New York | | 4,554 | 138 | 386 | 161 | 1,826 | 7,066 | 40,133 | 17.6% |
| 26 | Arizona | | 2,721 | 25 | 6 | 1,996 | 267 | 5,014 | 28,595 | 17.5% |
| 27 | Alaska | | 471 | | 6 | | | 477 | 2,749 | 17.4% |
| 28 | Tennessee | | 2,619 | 182 | 14 | 89 | 29 | 2,933 | 20,951 | 14.0% |
| 29 | Alabama | | 3,063 | 680 | 18 | 179 | | 3,940 | 29,497 | 13.4% |
| 30 | Arkansas | | 1,264 | 312 | 7 | 19 | 61 | 1,663 | 14,642 | 11.4% |
| 31 | Georgia | | 2,275 | 843 | 62 | 975 | | 4,155 | 37,097 | 11.2% |
| 32 | Massachusetts | | 267 | 16 | 269 | 644 | 93 | 1,289 | 12,120 | 10.6% |
| 33 | Illinois | | 34 | | 117 | 35 | 4,262 | 4,448 | 45,147 | 9.9% |
| 34 | Indiana | | 60 | | 76 | 197 | 2,109 | 2,443 | 25,713 | 9.5% |
| 35 | South Carolina | | 1,368 | 485 | 46 | 254 | | 2,152 | 22,880 | 9.4% |
| 36 | Michigan | | 267 | 338 | 221 | 73 | 1,692 | 2,591 | 29,635 | 8.7% |
| 37 | Maryland | | 590 | 3 | 139 | 168 | 190 | 1,090 | 13,088 | 8.3% |
| 38 | Virginia | | 866 | 578 | 314 | 347 | | 2,105 | 27,662 | 7.6% |
| 39 | Wisconsin | | 394 | 276 | 109 | 18 | 429 | 1,227 | 16,967 | 7.2% |
| 40 | Missouri | | 549 | | 17 | 49 | 954 | 1,568 | 21,809 | 7.2% |
| 41 | West Virginia | | 341 | | | | 686 | 1,027 | 14,856 | 6.9% |
| 42 | Pennsylvania | | 900 | 105 | 448 | 52 | 1,372 | 2,877 | 44,114 | 6.5% |
| 43 | Kentucky | | 1,147 | 52 | 20 | 26 | | 1,245 | 20,120 | 6.2% |
| 44 | Rhode Island | | 3 | | 40 | 19 | 52 | 113 | 1,944 | 5.8% |
| 45 | New Jersey | | 12 | | 227 | 665 | 8 | 912 | 17,823 | 5.1% |
| 46 | Connecticut | | 122 | 38 | 166 | 35 | 1 | 361 | 8,904 | 4.1% |
| 47 | Florida | | 55 | 489 | 808 | 514 | | 1,865 | 58,962 | 3.2% |
| 48 | Ohio | | 102 | 48 | 100 | 69 | 604 | 923 | 30,000 | 3.1% |
| 49 | Louisiana | | 192 | 476 | 14 | 1 | | 683 | 23,706 | 2.9% |
| 50 | Mississippi | | | 273 | 2 | 161 | | 435 | 15,828 | 2.8% |
| 51 | Delaware | | | | 12 | 32 | 2 | 46 | 3,378 | 1.4% |
| U.S. Total | | 2,483 | 79,795 | 8,831 | 5,130 | 26,926 | 87,598 | 210,762 | 1,084,329 | 19.4% |

¹Black liquor and wood/woodwaste solids and liquids

²Landfill gas, MSW biogenic (paper and paper board, wood, food, leather, textiles, and yard trimmings), agriculture byproducts/crops, sludge waste, and other biomass solids, liquids, and gases

Source: [EIA, Electric Power Annual - Historical state-level tables](#)

Table 6.1 Total Renewable Electric Generating Net Summer Capacity by Source and State, 2016
Megawatts

| Rank | (by State % renewable) | Geothermal | Conventional Hydroelectric | Biomass | | Solar | Wind | Total Renewable Electric Generating Capacity | Total Electric Generating Capacity | Percent Renewable |
|-------------------|------------------------|--------------|----------------------------|-----------------------------------|----------------------------|---------------|---------------|--|------------------------------------|-------------------|
| | | | | Wood & Derived Fuels ¹ | Other Biomass ² | | | | | |
| 1 | Vermont | | 329 | 73 | 3 | 66 | 120 | 591 | 691 | 85.5% |
| 2 | Washington | | 21,296 | 331 | 74 | 1 | 3,073 | 24,774 | 30,997 | 79.9% |
| 3 | Idaho | 10 | 2,709 | 61 | 23 | 120 | 971 | 3,893 | 5,056 | 77.0% |
| 4 | Oregon | 20 | 8,423 | 252 | 56 | 100 | 3,160 | 12,011 | 16,334 | 73.5% |
| 5 | South Dakota | | 1,700 | | | 1 | 988 | 2,689 | 4,376 | 61.4% |
| 6 | Dist. of Columbia | | | | 12 | | | 12 | 21 | 57.1% |
| 7 | Montana | | 2,748 | 3 | | | 679 | 3,429 | 6,214 | 55.2% |
| 8 | Maine | | 732 | 763 | 41 | | 899 | 2,435 | 4,916 | 49.5% |
| 9 | North Dakota | | 510 | | 10 | | 2,824 | 3,344 | 7,970 | 42.0% |
| 10 | Iowa | | 145 | | 21 | 3 | 6,772 | 6,941 | 17,046 | 40.7% |
| 11 | California | 1,910 | 10,190 | 778 | 520 | 9,489 | 5,659 | 28,546 | 76,537 | 37.3% |
| 12 | Nevada | 460 | 1,051 | | 10 | 1,879 | 150 | 3,549 | 11,805 | 30.1% |
| 13 | Oklahoma | | 860 | 58 | 18 | 3 | 6,644 | 7,582 | 26,016 | 29.1% |
| 14 | Kansas | | 7 | | 9 | 1 | 4,455 | 4,472 | 15,357 | 29.1% |
| 15 | Minnesota | | 206 | 318 | 163 | 254 | 3,359 | 4,300 | 16,012 | 26.9% |
| 16 | Colorado | | 685 | 13 | 16 | 417 | 3,026 | 4,157 | 16,078 | 25.9% |
| 17 | New Hampshire | | 505 | 210 | 31 | | 183 | 929 | 4,446 | 20.9% |
| 18 | Wyoming | | 307 | | | | 1,487 | 1,794 | 8,594 | 20.9% |
| 19 | Hawaii | 43 | 26 | | 207 | 51 | 206 | 533 | 2,645 | 20.1% |
| 20 | New Mexico | 2 | 83 | | 6 | 471 | 1,112 | 1,674 | 8,505 | 19.7% |
| 21 | Alaska | | 470 | | 7 | | 61 | 538 | 2,742 | 19.6% |
| 22 | Texas | | 670 | 313 | 116 | 581 | 20,182 | 21,862 | 118,722 | 18.4% |
| 23 | Nebraska | | 176 | | 16 | 6 | 1,330 | 1,528 | 8,515 | 17.9% |
| 24 | New York | | 4,719 | 138 | 382 | 110 | 1,825 | 7,174 | 40,124 | 17.9% |
| 25 | Utah | 73 | 256 | | 14 | 856 | 388 | 1,588 | 8,976 | 17.7% |
| 26 | Arizona | | 2,721 | 25 | 6 | 1,896 | 267 | 4,915 | 28,476 | 17.3% |
| 27 | North Carolina | | 2,002 | 474 | 91 | 2,437 | 208 | 5,211 | 32,290 | 16.1% |
| 28 | Tennessee | | 2,619 | 182 | 14 | 70 | 29 | 2,914 | 21,355 | 13.6% |
| 29 | Alabama | | 3,042 | 666 | 6 | 75 | | 3,789 | 29,077 | 13.0% |
| 30 | Georgia | | 2,275 | 833 | 60 | 968 | | 4,136 | 37,078 | 11.2% |
| 31 | Arkansas | | 1,267 | 322 | 18 | 13 | | 1,620 | 14,711 | 11.0% |
| 32 | Illinois | | 34 | | 122 | 33 | 3,984 | 4,172 | 44,843 | 9.3% |
| 33 | Indiana | | 60 | | 76 | 161 | 1,890 | 2,187 | 25,325 | 8.6% |
| 34 | Maryland | | 590 | 3 | 139 | 138 | 190 | 1,060 | 12,338 | 8.6% |
| 35 | South Carolina | | 1,362 | 485 | 46 | 19 | | 1,912 | 22,676 | 8.4% |
| 36 | Massachusetts | | 266 | 16 | 267 | 477 | 95 | 1,121 | 13,332 | 8.4% |
| 37 | Michigan | | 263 | 338 | 223 | 13 | 1,435 | 2,271 | 29,083 | 7.8% |
| 38 | Virginia | | 866 | 578 | 314 | 104 | | 1,862 | 26,622 | 7.0% |
| 39 | West Virginia | | 350 | | | | 686 | 1,036 | 15,265 | 6.8% |
| 40 | Wisconsin | | 394 | 276 | 110 | 3 | 332 | 1,114 | 16,840 | 6.6% |
| 41 | Pennsylvania | | 900 | 121 | 457 | 51 | 1,372 | 2,900 | 44,057 | 6.6% |
| 42 | Missouri | | 546 | | 17 | 26 | 654 | 1,242 | 21,669 | 5.7% |
| 43 | Kentucky | | 1,068 | 52 | 20 | 10 | | 1,151 | 20,155 | 5.7% |
| 44 | Rhode Island | | 3 | | 37 | 10 | 50 | 100 | 1,906 | 5.3% |
| 45 | New Jersey | | 12 | | 227 | 607 | 8 | 854 | 18,908 | 4.5% |
| 46 | Connecticut | | 122 | 38 | 166 | 25 | 1 | 352 | 8,810 | 4.0% |
| 47 | Ohio | | 102 | 49 | 95 | 48 | 534 | 827 | 28,825 | 2.9% |
| 48 | Florida | | 55 | 489 | 793 | 327 | | 1,663 | 58,432 | 2.8% |
| 49 | Louisiana | | 192 | 410 | 14 | | | 616 | 24,203 | 2.5% |
| 50 | Mississippi | | | 273 | 2 | 3 | | 278 | 15,958 | 1.7% |
| 51 | Delaware | | | | 12 | 31 | 2 | 45 | 3,409 | 1.3% |
| U.S. Total | | 2,517 | 79,913 | 8,936 | 5,089 | 21,951 | 81,287 | 199,692 | 1,074,333 | 18.6% |

¹Black liquor and wood/woodwaste solids and liquids

²Landfill gas, MSW biogenic (paper and paper board, wood, food, leather, textiles, and yard trimmings), agriculture byproducts/crops, sludge waste, and other biomass solids, liquids, and gases

Source: [EIA, Electric Power Annual - Historical state-level tables](#)

Table 6.1 Total Renewable Electric Generating Net Summer Capacity by Source and State, 2015
Megawatts

| Rank | (by State % renewable) | Geothermal | Conventional Hydroelectric | Biomass | | Solar | Wind | Total Renewable Electric Generating Capacity | Total Electric Generating Capacity | Percent Renewable |
|-------------------|------------------------|--------------|----------------------------|-----------------------------------|----------------------------|---------------|---------------|--|------------------------------------|-------------------|
| | | | | Wood & Derived Fuels ¹ | Other Biomass ² | | | | | |
| 1 | Vermont | | 327 | 73 | 3 | 32 | 120 | 556 | 655 | 84.8% |
| 2 | Washington | | 21,242 | 332 | 74 | 1 | 3,073 | 24,722 | 31,003 | 79.7% |
| 3 | Idaho | 10 | 2,708 | 61 | 35 | | 963 | 3,776 | 4,948 | 76.3% |
| 4 | Oregon | 20 | 8,525 | 274 | 56 | 19 | 3,157 | 12,051 | 15,916 | 75.7% |
| 5 | South Dakota | | 1,598 | | | | 838 | 2,436 | 4,126 | 59.0% |
| 6 | Montana | | 2,758 | 3 | | | 654 | 3,414 | 6,180 | 55.2% |
| 7 | Maine | | 729 | 768 | 41 | | 613 | 2,151 | 4,615 | 46.6% |
| 8 | Iowa | | 145 | | 23 | | 6,134 | 6,302 | 16,854 | 37.4% |
| 9 | North Dakota | | 510 | | 10 | | 2,222 | 2,742 | 7,362 | 37.2% |
| 10 | California | 1,934 | 10,186 | 770 | 552 | 7,012 | 5,727 | 26,181 | 74,892 | 35.0% |
| 11 | Kansas | | 7 | | 9 | 1 | 3,574 | 3,591 | 14,350 | 25.0% |
| 12 | Minnesota | | 195 | 316 | 161 | 4 | 3,241 | 3,916 | 15,743 | 24.9% |
| 13 | Colorado | | 677 | 11 | 16 | 192 | 2,962 | 3,858 | 15,793 | 24.4% |
| 14 | Nevada | 460 | 1,051 | | 3 | 955 | 150 | 2,620 | 10,878 | 24.1% |
| 15 | Oklahoma | | 862 | 58 | 18 | 3 | 5,001 | 5,942 | 24,835 | 23.9% |
| 16 | Hawaii | 43 | 25 | | 245 | 44 | 206 | 563 | 2,674 | 21.1% |
| 17 | New Hampshire | | 505 | 210 | 33 | | 171 | 919 | 4,438 | 20.7% |
| 18 | Wyoming | | 307 | | | | 1,407 | 1,714 | 8,512 | 20.1% |
| 19 | Alaska | | 441 | | 7 | | 61 | 509 | 2,589 | 19.6% |
| 20 | New York | | 4,712 | 197 | 378 | 81 | 1,747 | 7,115 | 40,249 | 17.7% |
| 21 | New Mexico | 2 | 83 | | 2 | 315 | 1,062 | 1,464 | 8,404 | 17.4% |
| 22 | Texas | | 669 | 363 | 127 | 318 | 17,658 | 19,134 | 117,144 | 16.3% |
| 23 | Arizona | | 2,721 | 25 | 6 | 1,523 | 267 | 4,541 | 28,077 | 16.2% |
| 24 | Tennessee | | 2,619 | 182 | 14 | 45 | 29 | 2,889 | 20,220 | 14.3% |
| 25 | Nebraska | | 278 | | 16 | | 885 | 1,179 | 8,658 | 13.6% |
| 26 | Alabama | | 3,271 | 664 | 6 | | | 3,942 | 30,407 | 13.0% |
| 27 | North Carolina | | 2,004 | 401 | 86 | 1,437 | | 3,928 | 31,310 | 12.5% |
| 28 | Arkansas | | 1,266 | 294 | 18 | 12 | | 1,591 | 14,707 | 10.8% |
| 29 | Utah | 73 | 256 | | 14 | 166 | 324 | 834 | 8,329 | 10.0% |
| 30 | Georgia | | 2,048 | 859 | 37 | 245 | | 3,189 | 36,303 | 8.8% |
| 31 | Illinois | | 34 | | 110 | 33 | 3,800 | 3,977 | 45,532 | 8.7% |
| 32 | Maryland | | 590 | 3 | 141 | 84 | 190 | 1,007 | 12,408 | 8.1% |
| 33 | South Carolina | | 1,345 | 397 | 46 | 3 | | 1,790 | 22,698 | 7.9% |
| 34 | Indiana | | 60 | | 75 | 129 | 1,740 | 2,004 | 26,324 | 7.6% |
| 35 | Michigan | | 331 | 338 | 223 | 2 | 1,360 | 2,254 | 30,063 | 7.5% |
| 36 | Massachusetts | | 263 | 16 | 267 | 334 | 83 | 963 | 13,236 | 7.3% |
| 37 | Virginia | | 866 | 578 | 313 | | | 1,757 | 25,182 | 7.0% |
| 38 | Pennsylvania | | 900 | 121 | 456 | 42 | 1,334 | 2,853 | 42,344 | 6.7% |
| 39 | Wisconsin | | 383 | 276 | 110 | 1 | 331 | 1,101 | 16,669 | 6.6% |
| 40 | West Virginia | | 301 | | 2 | | 583 | 886 | 15,115 | 5.9% |
| 41 | Missouri | | 546 | | 17 | 12 | 459 | 1,032 | 21,764 | 4.7% |
| 42 | Kentucky | | 837 | 52 | 17 | | | 907 | 20,061 | 4.5% |
| 43 | Connecticut | | 122 | 38 | 162 | 10 | | 331 | 8,784 | 3.8% |
| 44 | New Jersey | | 12 | | 229 | 444 | 8 | 693 | 18,767 | 3.7% |
| 45 | Rhode Island | | 3 | | 37 | 10 | 8 | 57 | 1,849 | 3.1% |
| 46 | Delaware | | 55 | | 12 | 31 | 2 | 99 | 3,403 | 2.9% |
| 47 | Louisiana | | 192 | 481 | 14 | | | 687 | 26,235 | 2.6% |
| 48 | Ohio | | 102 | 43 | 95 | 43 | 432 | 714 | 28,711 | 2.5% |
| 49 | Florida | | | 494 | 795 | 82 | | 1,371 | 58,636 | 2.3% |
| 50 | Mississippi | | | 273 | 2 | | | 275 | 16,085 | 1.7% |
| 51 | Dist. of Columbia | | | | 12 | | | | 21 | |
| U.S. Total | | 2,542 | 79,664 | 8,969 | 5,125 | 13,663 | 72,573 | 182,536 | 1,064,055 | 17.2% |

¹Black liquor and wood/woodwaste solids and liquids

²Landfill gas, MSW biogenic (paper and paper board, wood, food, leather, textiles, and yard trimmings), agriculture byproducts/crops, sludge waste, and other biomass solids, liquids, and gases

Source: [EIA, Electric Power Annual - Historical state-level tables](#)

Table 6.1 Total Renewable Electric Generating Net Summer Capacity by Source and State, 2014
Megawatts

| Rank | (by State % renewable) | Geothermal | Conventional Hydroelectric | Biomass | | Solar | Wind | Total Renewable Electric Generating Capacity | Total Electric Generating Capacity | Percent Renewable |
|-------------------|------------------------|--------------|----------------------------|-----------------------------------|----------------------------|---------------|---------------|--|------------------------------------|-------------------|
| | | | | Wood & Derived Fuels ¹ | Other Biomass ² | | | | | |
| 1 | Vermont | | 324 | 73 | 3 | 30 | 120 | 550 | 650 | 84.7% |
| 2 | Washington | | 21,185 | 322 | 68 | 1 | 3,073 | 24,648 | 30,949 | 79.6% |
| 3 | Idaho | 10 | 2,708 | 61 | 35 | | 963 | 3,776 | 4,944 | 76.4% |
| 4 | Oregon | 18 | 8,523 | 277 | 55 | 14 | 3,157 | 12,043 | 15,884 | 75.8% |
| 5 | South Dakota | | 1,598 | | | | 660 | 2,258 | 3,948 | 57.2% |
| 6 | Montana | | 2,758 | 3 | | | 637 | 3,397 | 6,330 | 53.7% |
| 7 | Maine | | 733 | 591 | 41 | | 431 | 1,795 | 4,470 | 40.2% |
| 8 | Iowa | | 145 | | 20 | | 5,562 | 5,728 | 16,507 | 34.7% |
| 9 | North Dakota | | 510 | | 10 | | 1,759 | 2,279 | 6,790 | 33.6% |
| 10 | California | 1,955 | 10,175 | 731 | 592 | 5,755 | 5,815 | 25,023 | 74,646 | 33.5% |
| 11 | Colorado | | 676 | 11 | 16 | 127 | 2,544 | 3,375 | 14,933 | 22.6% |
| 12 | Minnesota | | 195 | 219 | 221 | 2 | 2,788 | 3,424 | 15,621 | 21.9% |
| 13 | Nevada | 414 | 1,051 | | 3 | 608 | 150 | 2,227 | 10,485 | 21.2% |
| 14 | New Hampshire | | 521 | 210 | 33 | | 171 | 935 | 4,418 | 21.2% |
| 15 | Kansas | | 7 | | 15 | | 2,969 | 2,991 | 14,227 | 21.0% |
| 16 | Hawaii | 43 | 25 | | 247 | 32 | 206 | 553 | 2,672 | 20.7% |
| 17 | Alaska | | 436 | | 7 | | 60 | 503 | 2,464 | 20.4% |
| 18 | Wyoming | | 307 | | | | 1,407 | 1,714 | 8,458 | 20.3% |
| 19 | Oklahoma | | 863 | 58 | 18 | | 3,780 | 4,719 | 24,048 | 19.6% |
| 20 | New York | | 4,713 | 156 | 379 | 52 | 1,747 | 7,047 | 40,404 | 17.4% |
| 21 | Arizona | | 2,721 | 25 | 10 | 1,408 | 237 | 4,401 | 28,249 | 15.6% |
| 22 | New Mexico | 2 | 83 | | 2 | 250 | 812 | 1,149 | 8,072 | 14.2% |
| 23 | Tennessee | | 2,616 | 182 | 14 | 45 | 29 | 2,887 | 20,998 | 13.7% |
| 24 | Texas | | 671 | 367 | 125 | 186 | 13,994 | 15,343 | 112,914 | 13.6% |
| 25 | Nebraska | | 278 | | 16 | | 812 | 1,105 | 8,732 | 12.7% |
| 26 | Alabama | | 3,271 | 610 | 6 | | | 3,887 | 31,953 | 12.2% |
| 27 | Arkansas | | 1,324 | 294 | 14 | | | 1,632 | 14,754 | 11.1% |
| 28 | North Carolina | | 1,999 | 502 | 82 | 676 | | 3,259 | 30,498 | 10.7% |
| 29 | Illinois | | 34 | | 125 | 32 | 3,527 | 3,718 | 44,727 | 8.3% |
| 30 | Utah | 73 | 256 | | 12 | 1 | 324 | 667 | 8,325 | 8.0% |
| 31 | South Carolina | | 1,340 | 393 | 44 | 3 | | 1,780 | 22,824 | 7.8% |
| 32 | Maryland | | 590 | 3 | 143 | 60 | 160 | 956 | 12,264 | 7.8% |
| 33 | Georgia | | 2,048 | 710 | 38 | 69 | | 2,863 | 38,250 | 7.5% |
| 34 | Indiana | | 60 | | 75 | 91 | 1,740 | 1,966 | 27,499 | 7.1% |
| 35 | Michigan | | 333 | 238 | 216 | | 1,360 | 2,147 | 30,435 | 7.1% |
| 36 | Massachusetts | | 263 | 16 | 267 | 281 | 83 | 910 | 13,128 | 6.9% |
| 37 | Wisconsin | | 389 | 327 | 110 | 1 | 332 | 1,158 | 17,166 | 6.7% |
| 38 | Pennsylvania | | 893 | 121 | 459 | 42 | 1,344 | 2,860 | 42,723 | 6.7% |
| 39 | Virginia | | 866 | 578 | 306 | | | 1,750 | 26,292 | 6.7% |
| 40 | West Virginia | | 301 | | 2 | | 583 | 886 | 16,276 | 5.4% |
| 41 | Missouri | | 568 | | 17 | 8 | 459 | 1,051 | 21,790 | 4.8% |
| 42 | Kentucky | | 835 | 52 | 18 | | | 906 | 20,878 | 4.3% |
| 43 | Connecticut | | 122 | 38 | 167 | 10 | | 337 | 8,832 | 3.8% |
| 44 | New Jersey | | 12 | | 231 | 395 | 8 | 646 | 19,399 | 3.3% |
| 45 | Rhode Island | | 3 | | 37 | 7 | 4 | 50 | 1,810 | 2.8% |
| 46 | Louisiana | | 192 | 436 | 14 | | | 642 | 26,657 | 2.4% |
| 47 | Ohio | | 102 | 57 | 96 | 36 | 424 | 715 | 31,507 | 2.3% |
| 48 | Florida | | 55 | 437 | 746 | 73 | | 1,311 | 59,440 | 2.2% |
| 49 | Mississippi | | | 273 | 2 | | | 275 | 16,090 | 1.7% |
| 50 | Delaware | | | | 12 | 30 | 2 | 44 | 3,086 | 1.4% |
| 51 | Dist. of Columbia | | | | | | | | 9 | |
| U.S. Total | | 2,514 | 79,677 | 8,368 | 5,167 | 10,323 | 64,232 | 170,281 | 1,068,422 | 15.9% |

¹Black liquor and wood/woodwaste solids and liquids

²Landfill gas, MSW biogenic (paper and paper board, wood, food, leather, textiles, and yard trimmings), agriculture byproducts/crops, sludge waste, and other biomass solids, liquids, and gases

Source: [EIA, Electric Power Annual - Historical state-level tables](#)

Table 6.1 Total Renewable Electric Generating Net Summer Capacity by Source and State, 2013
Megawatts

| Rank (by % renewable) | State | Geothermal | Conventional Hydroelectric | Biomass | | Solar | Wind | Total Renewable Electric Generating Capacity | Total Electric Generating Capacity | Percent Renewable |
|-----------------------------|-------------------|--------------|-------------------------------|--------------------------------------|----------------------------|--------------|---------------|--|--|----------------------|
| | | | | Wood & Derived Fuels ¹ | Other Biomass ² | | | | | |
| 1 | Washington | | 21,150 | 336 | 68 | 1 | 2,806 | 24,360 | 30,656 | 79.5% |
| 2 | Oregon | 18 | 8,516 | 275 | 47 | 11 | 3,161 | 12,026 | 15,662 | 76.8% |
| 3 | Idaho | 10 | 2,705 | 61 | 34 | | 963 | 3,772 | 4,924 | 76.6% |
| 4 | Montana | | 2,758 | 3 | | | 612 | 3,374 | 6,329 | 53.3% |
| 5 | Vermont | | 324 | 77 | 3 | 12 | 120 | 536 | 1,255 | 42.7% |
| 6 | Maine | | 727 | 611 | 41 | | 431 | 1,810 | 4,499 | 40.2% |
| 7 | South Dakota | | 1,598 | | | | | 1,598 | 4,109 | 38.9% |
| 8 | North Dakota | | 510 | | 10 | | 1,759 | 2,279 | 6,566 | 34.7% |
| 9 | Iowa | | 145 | | 16 | | 5,047 | 5,208 | 15,929 | 32.7% |
| 10 | California | 2,059 | 10,173 | 740 | 565 | 3,379 | 5,600 | 22,517 | 73,772 | 30.5% |
| 11 | Minnesota | | 184 | 219 | 219 | 2 | 2,844 | 3,468 | 15,758 | 22.0% |
| 12 | Colorado | | 672 | 11 | 16 | 120 | 2,303 | 3,123 | 14,769 | 21.1% |
| 13 | New Hampshire | | 514 | 210 | 35 | | 171 | 931 | 4,413 | 21.1% |
| 14 | Kansas | | 7 | | 15 | | 2,969 | 2,991 | 14,244 | 21.0% |
| 15 | Wyoming | | 307 | | | | 1,409 | 1,716 | 8,381 | 20.5% |
| 16 | Alaska | | 416 | | 7 | | 60 | 483 | 2,384 | 20.2% |
| 17 | Hawaii | 43 | 25 | | 250 | 15 | 206 | 538 | 2,757 | 19.5% |
| 18 | Nevada | 402 | 1,051 | | 3 | 361 | 150 | 1,968 | 10,652 | 18.5% |
| 19 | Oklahoma | | 867 | 58 | 18 | | 3,133 | 4,076 | 23,300 | 17.5% |
| 20 | New York | | 4,332 | 164 | 376 | 46 | 1,731 | 6,649 | 39,918 | 16.7% |
| 21 | Arizona | | 2,719 | 29 | 10 | 1,162 | 237 | 4,158 | 27,910 | 14.9% |
| 22 | Tennessee | | 2,616 | 185 | 14 | 14 | 29 | 2,858 | 21,326 | 13.4% |
| 23 | New Mexico | 2 | 83 | | 6 | 192 | 778 | 1,060 | 7,938 | 13.4% |
| 24 | Texas | | 689 | 320 | 125 | 126 | 12,322 | 13,582 | 109,584 | 12.4% |
| 25 | Alabama | | 3,272 | 675 | 2 | | | 3,949 | 32,353 | 12.2% |
| 26 | South Carolina | | 1,340 | 383 | 44 | 3 | 791 | 2,560 | 23,017 | 11.1% |
| 27 | Arkansas | | 1,324 | 294 | 14 | | | 1,633 | 14,786 | 11.0% |
| 28 | Nebraska | | 278 | | 11 | | 530 | 819 | 8,449 | 9.7% |
| 29 | North Carolina | | 1,997 | 502 | 60 | 333 | | 2,892 | 30,048 | 9.6% |
| 30 | Utah | 73 | 255 | | 12 | 1 | 324 | 666 | 7,698 | 8.7% |
| 31 | Illinois | | 34 | | 127 | 32 | 3,525 | 3,718 | 44,950 | 8.3% |
| 32 | Maryland | | 590 | 3 | 143 | 55 | 120 | 910 | 12,339 | 7.4% |
| 33 | Georgia | | 2,045 | 672 | 36 | 61 | | 2,814 | 38,210 | 7.4% |
| 34 | Virginia | | 866 | 578 | 303 | | | 1,748 | 24,828 | 7.0% |
| 35 | Pennsylvania | | 892 | 121 | 466 | 41 | 1,344 | 2,864 | 43,040 | 6.7% |
| 36 | Wisconsin | | 385 | 283 | 99 | | 329 | 1,095 | 17,342 | 6.3% |
| 37 | Indiana | | 60 | | 62 | 49 | 1,540 | 1,712 | 27,196 | 6.3% |
| 38 | Michigan | | 331 | 239 | 199 | | 1,080 | 1,850 | 30,128 | 6.1% |
| 39 | Massachusetts | | 263 | 16 | 264 | 131 | 73 | 747 | 13,678 | 5.5% |
| 40 | West Virginia | | 301 | | 2 | | 583 | 886 | 16,282 | 5.4% |
| 41 | Missouri | | 570 | | 10 | | 459 | 1,039 | 21,801 | 4.8% |
| 42 | Kentucky | | 831 | 52 | 18 | | | 901 | 21,004 | 4.3% |
| 43 | Connecticut | | 122 | 38 | 167 | 5 | | 332 | 8,769 | 3.8% |
| 44 | New Jersey | | 3 | | 227 | 338 | 8 | 576 | 18,997 | 3.0% |
| 45 | Rhode Island | | 3 | | 37 | 7 | 3 | 50 | 1,809 | 2.7% |
| 46 | Louisiana | | 192 | 437 | 14 | | | 643 | 26,228 | 2.5% |
| 47 | Florida | | 55 | 437 | 745 | 66 | | 1,303 | 58,781 | 2.2% |
| 48 | Ohio | | 102 | 51 | 94 | 32 | 424 | 704 | 32,482 | 2.2% |
| 49 | Mississippi | | | 277 | 2 | | | 278 | 15,561 | 1.8% |
| 50 | Delaware | | | | 8 | 28 | 2 | 38 | 3,246 | 1.2% |
| 51 | Dist. of Columbia | | | | | | | | 9 | |
| | U.S. Total | 2,607 | 79,200 | 8,354 | 5,043 | 6,623 | 59,973 | 161,800 | 1,060,064 | 15.3% |

¹Black liquor and wood/woodwaste solids and liquids

²Landfill gas, MSW biogenic (paper and paper board, wood, food, leather, textiles, and yard trimmings), agriculture byproducts/crops, sludge waste, and other biomass solids, liquids, and gases

Source: [EIA, Electric Power Annual - Historical state-level tables](#)

Table 6.1 Total Renewable Electric Generating Net Summer Capacity by Source and State, 2012
Megawatts

| Rank (by % renewable) | State | Geothermal | Conventional Hydroelectric | Biomass | | Solar | Wind | Total Renewable Electric Generating Capacity | Total Electric Generating Capacity | Percent Renewable |
|-----------------------------|-------------------|--------------|-------------------------------|--------------------------------------|----------------------------|--------------|---------------|--|--|----------------------|
| | | | | Wood & Derived Fuels ¹ | Other Biomass ² | | | | | |
| 1 | Washington | | 21,115 | 314 | 69 | 1 | 2,806 | 24,304 | 30,910 | 78.6% |
| 2 | Oregon | 18 | 8,455 | 273 | 41 | 11 | 3,152 | 11,949 | 15,544 | 76.9% |
| 3 | Idaho | 10 | 2,703 | 65 | 22 | | 963 | 3,763 | 4,911 | 76.6% |
| 4 | South Dakota | | 1,598 | | | | 791 | 2,389 | 4,057 | 58.9% |
| 5 | Montana | | 2,732 | | | | 628 | 3,359 | 6,317 | 53.2% |
| 6 | Vermont | | 324 | 76 | 3 | 8 | 120 | 531 | 1,235 | 43.0% |
| 7 | Maine | | 742 | 460 | 75 | | 428 | 1,705 | 4,491 | 38.0% |
| 8 | North Dakota | | 508 | | 10 | | 1,759 | 2,277 | 6,490 | 35.1% |
| 9 | Iowa | | 148 | | 15 | | 5,005 | 5,167 | 16,019 | 32.3% |
| 10 | California | 2,092 | 10,146 | 696 | 548 | 1,177 | 5,506 | 20,165 | 71,329 | 28.3% |
| 11 | Minnesota | | 176 | 168 | 204 | | 2,842 | 3,390 | 15,447 | 21.9% |
| 12 | Alaska | | 416 | | 6 | | 33 | 454 | 2,119 | 21.4% |
| 13 | Wyoming | | 307 | | | | 1,407 | 1,714 | 8,380 | 20.5% |
| 14 | Colorado | | 656 | | 13 | 115 | 2,271 | 3,055 | 14,947 | 20.4% |
| 15 | Kansas | | 7 | | 7 | | 2,719 | 2,733 | 14,093 | 19.4% |
| 16 | New Hampshire | | 505 | 127 | 35 | | 171 | 838 | 4,323 | 19.4% |
| 17 | Hawaii | 43 | 25 | | 222 | 7 | 206 | 502 | 2,730 | 18.4% |
| 18 | Nevada | 384 | 1,051 | | 3 | 327 | 150 | 1,916 | 10,476 | 18.3% |
| 19 | Oklahoma | | 858 | 58 | 16 | | 3,133 | 4,065 | 23,485 | 17.3% |
| 20 | New York | | 4,312 | 86 | 371 | 32 | 1,636 | 6,436 | 39,520 | 16.3% |
| 21 | Tennessee | | 2,616 | 185 | 11 | 13 | 29 | 2,854 | 21,322 | 13.4% |
| 22 | Arizona | | 2,720 | 29 | 10 | 633 | 237 | 3,629 | 27,587 | 13.2% |
| 23 | New Mexico | | 83 | | 6 | 161 | 778 | 1,027 | 8,373 | 12.3% |
| 24 | Texas | | 689 | 320 | 121 | 75 | 12,179 | 13,385 | 109,568 | 12.2% |
| 25 | Alabama | | 3,272 | 675 | 2 | | | 3,949 | 32,547 | 12.1% |
| 26 | Arkansas | | 1,341 | 312 | 14 | | | 1,667 | 16,355 | 10.2% |
| 27 | Nebraska | | 275 | | 11 | | 455 | 742 | 8,273 | 9.0% |
| 28 | North Carolina | | 1,964 | 481 | 54 | 115 | | 2,614 | 30,391 | 8.6% |
| 29 | Utah | 45 | 255 | | 12 | 1 | 324 | 638 | 7,631 | 8.4% |
| 30 | Illinois | | 34 | | 132 | 29 | 3,520 | 3,715 | 45,146 | 8.2% |
| 31 | South Carolina | | 1,336 | 345 | 44 | | | 1,725 | 23,083 | 7.5% |
| 32 | Maryland | | 590 | 3 | 141 | 28 | 120 | 881 | 12,215 | 7.2% |
| 33 | Georgia | | 2,048 | 618 | 31 | 3 | | 2,700 | 38,488 | 7.0% |
| 34 | Indiana | | 60 | | 59 | 4 | 1,540 | 1,662 | 26,837 | 6.2% |
| 35 | Virginia | | 866 | 363 | 303 | | | 1,533 | 24,849 | 6.2% |
| 36 | Pennsylvania | | 762 | 133 | 445 | 37 | 1,344 | 2,721 | 45,406 | 6.0% |
| 37 | Wisconsin | | 385 | 239 | 83 | | 370 | 1,076 | 18,031 | 6.0% |
| 38 | West Virginia | | 287 | | 2 | | 583 | 872 | 16,285 | 5.4% |
| 39 | Massachusetts | | 261 | 131 | 264 | 41 | 64 | 762 | 14,321 | 5.3% |
| 40 | Michigan | | 237 | 264 | 196 | | 875 | 1,571 | 30,332 | 5.2% |
| 41 | Missouri | | 570 | | 9 | | 459 | 1,038 | 22,004 | 4.7% |
| 42 | Kentucky | | 828 | 52 | 17 | | | 897 | 21,089 | 4.3% |
| 43 | Connecticut | | 122 | | 173 | | | 295 | 9,060 | 3.3% |
| 44 | New Jersey | | 3 | | 218 | 236 | 8 | 465 | 18,924 | 2.5% |
| 45 | Ohio | | 102 | 60 | 86 | 28 | 462 | 738 | 32,854 | 2.2% |
| 46 | Louisiana | | 192 | 366 | 14 | | | 572 | 25,548 | 2.2% |
| 47 | Florida | | 55 | 373 | 664 | 65 | | 1,156 | 59,139 | 2.0% |
| 48 | Rhode Island | | 3 | | 24 | | 2 | 28 | 1,781 | 1.6% |
| 49 | Mississippi | | | 235 | 2 | | | 237 | 15,404 | 1.5% |
| 50 | Delaware | | | | 8 | 24 | 2 | 34 | 3,357 | 1.0% |
| 51 | Dist. of Columbia | | | | | | | | 10 | |
| | U.S. Total | 2,592 | 78,738 | 7,508 | 4,811 | 3,170 | 59,075 | 155,893 | 1,063,033 | 14.7% |

¹Black liquor and wood/woodwaste solids and liquids

²Landfill gas, MSW biogenic (paper and paper board, wood, food, leather, textiles, and yard trimmings), agriculture byproducts/crops, sludge waste, and other biomass solids, liquids, and gases

Source: [EIA, Electric Power Annual - Historical state-level tables](#)

Table 6.1 Total Renewable Electric Generating Net Summer Capacity by Source and State, 2011
Megawatts

| Rank % renewable) | (by State | Geothermal | Conventional Hydroelectric | Biomass | | Solar | Wind | Total Renewable Electric Generating Capacity | Total Electric Generating Capacity | Percent Renewable | |
|----------------------|-------------------|--------------|-------------------------------|--------------------------------------|----------------------------|--------------|---------------|--|--|----------------------|--|
| | | | | Wood & Derived Fuels ¹ | Other Biomass ² | | | | | | |
| 1 | Idaho | 10 | 2,704 | 68 | 12 | | 611 | 3,406 | 4,255 | 80.0% | |
| 2 | Washington | | 21,067 | 318 | 65 | 1 | 2,454 | 23,904 | 30,507 | 78.4% | |
| 3 | Oregon | | 8,420 | 241 | 36 | 3 | 2,208 | 10,907 | 14,535 | 75.0% | |
| 4 | South Dakota | | 1,594 | | | | 780 | 2,374 | 3,760 | 63.1% | |
| 5 | Montana | | 2,725 | | | | 378 | 3,103 | 6,020 | 51.5% | |
| 6 | Vermont | | 324 | 76 | 3 | 2 | 45 | 451 | 1,171 | 38.5% | |
| 7 | Maine | | 742 | 485 | 91 | | 323 | 1,641 | 4,378 | 37.5% | |
| 8 | North Dakota | | 508 | | 10 | | 1,423 | 1,941 | 6,184 | 31.4% | |
| 9 | Iowa | | 144 | | 15 | | 4,203 | 4,362 | 15,288 | 28.5% | |
| 10 | California | 2,004 | 10,136 | 639 | 405 | 618 | 3,770 | 17,572 | 68,295 | 25.7% | |
| 11 | Minnesota | | 197 | 163 | 210 | | 2,576 | 3,147 | 15,162 | 20.8% | |
| 12 | Alaska | | 415 | | | | 7 | 423 | 2,067 | 20.5% | |
| 13 | Wyoming | | 307 | | | | 1,412 | 1,720 | 8,431 | 20.4% | |
| 14 | Colorado | | 662 | | 13 | 86 | 1,793 | 2,553 | 14,182 | 18.0% | |
| 15 | New Hampshire | | 493 | 129 | 29 | | 24 | 675 | 4,174 | 16.2% | |
| 16 | New York | | 4,319 | 86 | 363 | 32 | 1,399 | 6,199 | 39,629 | 15.6% | |
| 17 | Hawaii | 31 | 24 | | 222 | 2 | 92 | 370 | 2,562 | 14.4% | |
| 18 | Tennessee | | 2,616 | 185 | 7 | | 29 | 2,837 | 21,128 | 13.4% | |
| 19 | Nevada | 318 | 1,051 | | | 137 | | 1,507 | 11,646 | 12.9% | |
| 20 | Oklahoma | | 858 | 58 | 16 | | 1,811 | 2,742 | 21,824 | 12.6% | |
| 21 | Alabama | | 3,272 | 590 | | | | 3,862 | 32,577 | 11.9% | |
| 22 | New Mexico | | 83 | | 6 | 130 | 750 | 969 | 8,254 | 11.7% | |
| 23 | Arizona | | 2,720 | 29 | 7 | 130 | 138 | 3,024 | 27,043 | 11.2% | |
| 24 | Texas | | 689 | 216 | 126 | 44 | 10,361 | 11,436 | 109,179 | 10.5% | |
| 25 | Arkansas | | 1,341 | 312 | 14 | | | 1,667 | 15,957 | 10.4% | |
| 26 | Kansas | | 3 | | 7 | | 1,272 | 1,282 | 12,758 | 10.0% | |
| 27 | North Carolina | | 1,964 | 481 | 41 | 45 | | 2,532 | 28,459 | 8.9% | |
| 28 | Utah | 47 | 255 | | 9 | | 324 | 635 | 7,613 | 8.3% | |
| 29 | Nebraska | | 278 | | 11 | | 333 | 622 | 8,174 | 7.6% | |
| 30 | Georgia | | 2,049 | 617 | 24 | | | 2,690 | 37,114 | 7.2% | |
| 31 | Wisconsin | | 388 | 233 | 87 | | 612 | 1,319 | 18,301 | 7.2% | |
| 32 | Maryland | | 590 | 3 | 137 | 4 | 120 | 854 | 12,583 | 6.8% | |
| 33 | South Carolina | | 1,337 | 255 | 34 | | | 1,626 | 24,081 | 6.8% | |
| 34 | Illinois | | 34 | | 124 | 9 | 2,737 | 2,905 | 43,830 | 6.6% | |
| 35 | Virginia | | 866 | 363 | 295 | | | 1,524 | 24,685 | 6.2% | |
| 36 | Indiana | | 60 | | 54 | | 1,340 | 1,453 | 27,404 | 5.3% | |
| 37 | Massachusetts | | 263 | 141 | 266 | 12 | 30 | 711 | 13,716 | 5.2% | |
| 38 | West Virginia | | 285 | | 2 | | 528 | 815 | 17,342 | 4.7% | |
| 39 | Missouri | | 570 | | 8 | | 459 | 1,037 | 22,061 | 4.7% | |
| 40 | Pennsylvania | | 760 | 108 | 429 | 19 | 789 | 2,106 | 45,817 | 4.6% | |
| 41 | Kentucky | | 822 | 52 | 17 | | | 891 | 21,114 | 4.2% | |
| 42 | Michigan | | 238 | 264 | 183 | | 375 | 1,059 | 29,902 | 3.5% | |
| 43 | Connecticut | | 122 | | 178 | | | 300 | 9,132 | 3.3% | |
| 44 | New Jersey | | 5 | | 210 | 153 | 8 | 375 | 18,374 | 2.0% | |
| 45 | Louisiana | | 192 | 311 | 14 | | | 517 | 26,198 | 2.0% | |
| 46 | Florida | | 55 | 358 | 666 | 65 | | 1,144 | 59,627 | 1.9% | |
| 47 | Rhode Island | | 3 | | 24 | | 2 | 28 | 1,779 | 1.6% | |
| 48 | Mississippi | | | 235 | | | | 235 | 15,543 | 1.5% | |
| 49 | Ohio | | 102 | 62 | 58 | 22 | 160 | 404 | 33,280 | 1.2% | |
| 50 | Delaware | | | | 8 | 13 | 2 | 23 | 3,359 | 0.7% | |
| 51 | Dist. of Columbia | | | | | | | | 800 | | |
| U.S. Total | | 2,409 | 78,652 | 7,077 | 4,536 | 1,524 | 45,676 | 139,873 | 1,051,251 | 13.3% | |

¹Black liquor and wood/woodwaste solids and liquids

²Landfill gas, MSW biogenic (paper and paper board, wood, food, leather, textiles, and yard trimmings), agriculture byproducts/crops, sludge waste, and other biomass solids, liquids, and gases

Source: [EIA, Electric Power Annual - Historical state-level tables](#)

Table 6.1 Total Renewable Electric Generating Net Summer Capacity by Source and State, 2010
Megawatts

| Rank | (by State % renewable) | Geothermal | Conventional Hydroelectric | Biomass | | Solar | Wind | Total Renewable Electric Generating Capacity | Total Electric Generating Capacity | Percent Renewable |
|-------------------|------------------------|--------------|----------------------------|-----------------------------------|----------------------------|------------|---------------|--|------------------------------------|-------------------|
| | | | | Wood & Derived Fuels ¹ | Other Biomass ² | | | | | |
| 1 | Idaho | 10 | 2,704 | 68 | 6 | | 352 | 3,140 | 3,990 | 78.7% |
| 2 | Washington | | 21,181 | 368 | 39 | 1 | 2,296 | 23,885 | 30,478 | 78.4% |
| 3 | Oregon | | 8,425 | 221 | 34 | | 2,004 | 10,684 | 14,261 | 74.9% |
| 4 | South Dakota | | 1,594 | | | | 629 | 2,223 | 3,623 | 61.4% |
| 5 | Montana | | 2,705 | | | | 379 | 3,084 | 5,866 | 52.6% |
| 6 | Maine | | 738 | 600 | 91 | | 263 | 1,692 | 4,430 | 38.2% |
| 7 | Vermont | | 324 | 76 | 3 | | 5 | 408 | 1,128 | 36.2% |
| 8 | North Dakota | | 508 | | 10 | | 1,423 | 1,941 | 6,188 | 31.4% |
| 9 | Iowa | | 144 | | 15 | | 3,569 | 3,728 | 14,592 | 25.5% |
| 10 | California | 2,004 | 10,141 | 639 | 389 | 475 | 2,812 | 16,460 | 67,328 | 24.4% |
| 11 | Wyoming | | 307 | | | | 1,415 | 1,722 | 7,986 | 21.6% |
| 12 | Alaska | | 414 | | | | 7 | 421 | 2,067 | 20.4% |
| 13 | Minnesota | | 193 | 177 | 209 | | 2,009 | 2,588 | 14,715 | 17.6% |
| 14 | New Hampshire | | 489 | 129 | 29 | | 24 | 671 | 4,180 | 16.1% |
| 15 | New York | | 4,314 | 86 | 359 | | 1,274 | 6,033 | 39,357 | 15.3% |
| 16 | Colorado | | 662 | | 13 | 41 | 1,294 | 2,010 | 13,777 | 14.6% |
| 17 | Hawaii | 31 | 24 | | 222 | 2 | 62 | 341 | 2,536 | 13.4% |
| 18 | Tennessee | | 2,624 | 185 | 8 | | 29 | 2,846 | 21,417 | 13.3% |
| 19 | Nevada | 319 | 1,051 | | | 137 | | 1,507 | 11,421 | 13.2% |
| 20 | Alabama | | 3,272 | 583 | | | | 3,855 | 32,417 | 11.9% |
| 21 | Oklahoma | | 858 | 58 | 16 | | 1,480 | 2,412 | 21,022 | 11.5% |
| 22 | Arizona | | 2,720 | 29 | 4 | 20 | 128 | 2,901 | 26,392 | 11.0% |
| 23 | Arkansas | | 1,341 | 312 | 15 | | | 1,668 | 15,981 | 10.4% |
| 24 | Texas | | 689 | 215 | 115 | 14 | 9,952 | 10,985 | 108,258 | 10.1% |
| 25 | New Mexico | | 82 | | 6 | 30 | 700 | 818 | 8,130 | 10.1% |
| 26 | North Carolina | | 1,956 | 481 | 27 | 35 | | 2,499 | 27,674 | 9.0% |
| 27 | Kansas | | 3 | | 7 | | 1,072 | 1,082 | 12,543 | 8.6% |
| 28 | Georgia | | 2,052 | 617 | 20 | | | 2,689 | 36,636 | 7.3% |
| 29 | Wisconsin | | 492 | 239 | 87 | | 449 | 1,267 | 17,836 | 7.1% |
| 30 | Utah | 42 | 255 | | 9 | | 222 | 528 | 7,497 | 7.0% |
| 31 | South Carolina | | 1,340 | 255 | 29 | | | 1,624 | 23,982 | 6.8% |
| 32 | Maryland | | 590 | 3 | 135 | 1 | 70 | 799 | 12,516 | 6.4% |
| 33 | Virginia | | 866 | 331 | 290 | | | 1,487 | 24,109 | 6.2% |
| 34 | Nebraska | | 278 | | 11 | | 154 | 443 | 7,857 | 5.6% |
| 35 | Indiana | | 60 | | 53 | | 1,340 | 1,453 | 27,638 | 5.3% |
| 36 | Illinois | | 34 | | 123 | 9 | 1,946 | 2,112 | 44,127 | 4.8% |
| 37 | Missouri | | 564 | | 8 | | 459 | 1,031 | 21,739 | 4.7% |
| 38 | Kentucky | | 824 | 52 | 17 | | | 893 | 20,453 | 4.4% |
| 39 | Pennsylvania | | 747 | 108 | 424 | 9 | 696 | 1,984 | 45,575 | 4.4% |
| 40 | West Virginia | | 285 | | | | 431 | 716 | 16,495 | 4.3% |
| 41 | Massachusetts | | 262 | 26 | 264 | 4 | 10 | 566 | 13,697 | 4.1% |
| 42 | Connecticut | | 122 | | 159 | | | 281 | 8,284 | 3.4% |
| 43 | Michigan | | 237 | 232 | 176 | | 163 | 808 | 29,831 | 2.7% |
| 44 | Florida | | 55 | 344 | 661 | 123 | | 1,183 | 59,222 | 2.0% |
| 45 | Louisiana | | 192 | 311 | 14 | | | 517 | 26,744 | 1.9% |
| 46 | Rhode Island | | 3 | | 24 | | 2 | 29 | 1,782 | 1.6% |
| 47 | Mississippi | | | 235 | | | | 235 | 15,691 | 1.5% |
| 48 | New Jersey | | 4 | | 191 | 28 | 8 | 231 | 18,424 | 1.3% |
| 49 | Ohio | | 101 | 60 | 50 | 13 | 7 | 231 | 33,071 | 0.7% |
| 50 | Delaware | | | | 8 | | 2 | 10 | 3,389 | 0.3% |
| 51 | Dist. of Columbia | | | | | | | | 790 | |
| U.S. Total | | 2,405 | 78,825 | 7,037 | 4,369 | 941 | 39,135 | 132,712 | 1,039,137 | 12.8% |

¹Black liquor and wood/woodwaste solids and liquids

²Landfill gas, MSW biogenic (paper and paper board, wood, food, leather, textiles, and yard trimmings), agriculture byproducts/crops, sludge waste, and other biomass solids, liquids, and gases

Source: [EIA, Electric Power Annual - Historical state-level tables](#)

Table 6.1 Total Renewable Electric Generating Net Summer Capacity by Source and State, 2009
Megawatts

| Rank | (by State % renewable) | Geothermal | Conventional Hydroelectric | Biomass | | Solar | Wind | Total Renewable Electric Generating Capacity | Total Electric Generating Capacity | Percent Renewable |
|-------------------|------------------------|--------------|----------------------------|-----------------------------------|----------------------------|------------|---------------|--|------------------------------------|-------------------|
| | | | | Wood & Derived Fuels ¹ | Other Biomass ² | | | | | |
| 1 | Washington | | 21,088 | 369 | 41 | 1 | 2,006 | 23,505 | 30,095 | 78.1% |
| 2 | Idaho | 7 | 2,682 | 68 | 5 | | 146 | 2,908 | 3,758 | 77.4% |
| 3 | Oregon | | 8,430 | 241 | 30 | | 1,659 | 10,360 | 13,985 | 74.1% |
| 4 | South Dakota | | 1,594 | | | | 320 | 1,914 | 3,362 | 56.9% |
| 5 | Montana | | 2,692 | 17 | | | 369 | 3,078 | 5,779 | 53.3% |
| 6 | Maine | | 738 | 606 | 93 | | 170 | 1,607 | 4,344 | 37.0% |
| 7 | Vermont | | 322 | 76 | 3 | | 5 | 406 | 1,126 | 36.1% |
| 8 | North Dakota | | 508 | | 10 | | 1,202 | 1,720 | 5,963 | 28.8% |
| 9 | California | 2,004 | 10,144 | 646 | 402 | 450 | 2,650 | 16,296 | 65,948 | 24.7% |
| 10 | Iowa | | 144 | | 15 | | 3,352 | 3,511 | 14,579 | 24.1% |
| 11 | Alaska | | 414 | | | | 7 | 421 | 2,012 | 20.9% |
| 12 | Wyoming | | 304 | | | | 1,104 | 1,408 | 7,566 | 18.6% |
| 13 | New Hampshire | | 498 | 140 | 29 | | 24 | 691 | 4,165 | 16.6% |
| 14 | New York | | 4,310 | 86 | 344 | | 1,274 | 6,014 | 39,671 | 15.2% |
| 15 | Minnesota | | 194 | 177 | 208 | | 1,615 | 2,194 | 14,626 | 15.0% |
| 16 | Colorado | | 666 | | 13 | 14 | 1,238 | 1,931 | 13,038 | 14.8% |
| 17 | Tennessee | | 2,614 | 165 | 9 | | 29 | 2,817 | 20,852 | 13.5% |
| 18 | Hawaii | 31 | 24 | | 222 | 1 | 64 | 342 | 2,565 | 13.3% |
| 19 | Nevada | 306 | 1,051 | | | 89 | | 1,446 | 11,396 | 12.7% |
| 20 | Alabama | | 3,272 | 591 | | | | 3,863 | 31,389 | 12.3% |
| 21 | Arkansas | | 1,337 | 312 | 11 | | | 1,660 | 15,275 | 10.9% |
| 22 | Arizona | | 2,720 | 29 | 4 | 11 | 63 | 2,827 | 26,335 | 10.7% |
| 23 | Texas | | 689 | 180 | 107 | | 9,378 | 10,354 | 103,037 | 10.0% |
| 24 | Oklahoma | | 854 | 58 | 16 | | 1,130 | 2,058 | 20,849 | 9.9% |
| 25 | New Mexico | | 82 | | 6 | | 597 | 685 | 7,993 | 8.6% |
| 26 | North Carolina | | 1,952 | 318 | 20 | 3 | | 2,293 | 27,618 | 8.3% |
| 27 | Kansas | | 3 | | | | 1,011 | 1,014 | 12,529 | 8.1% |
| 28 | Georgia | | 2,046 | 587 | 15 | | | 2,648 | 36,549 | 7.2% |
| 29 | Utah | 34 | 256 | | 9 | | 222 | 521 | 7,418 | 7.0% |
| 30 | Wisconsin | | 492 | 208 | 83 | | 430 | 1,213 | 17,744 | 6.8% |
| 31 | South Carolina | | 1,337 | 220 | 23 | | | 1,580 | 23,971 | 6.6% |
| 32 | Virginia | | 716 | 409 | 278 | | | 1,403 | 23,788 | 5.9% |
| 33 | Maryland | | 590 | 3 | 135 | | | 728 | 12,482 | 5.8% |
| 34 | Nebraska | | 278 | | 11 | | 105 | 394 | 7,768 | 5.1% |
| 35 | Kentucky | | 824 | 52 | 17 | | | 893 | 20,160 | 4.4% |
| 36 | Pennsylvania | | 747 | 108 | 419 | 2 | 696 | 1,972 | 45,611 | 4.3% |
| 37 | Missouri | | 564 | | 8 | | 309 | 881 | 20,829 | 4.2% |
| 38 | Massachusetts | | 261 | 26 | 273 | | 5 | 565 | 13,699 | 4.1% |
| 39 | Indiana | | 60 | | 45 | | 1,037 | 1,142 | 27,949 | 4.1% |
| 40 | Illinois | | 34 | | 139 | 9 | 1,596 | 1,778 | 44,033 | 4.0% |
| 41 | West Virginia | | 264 | | | | 330 | 594 | 16,360 | 3.6% |
| 42 | Connecticut | | 122 | | 166 | | | 288 | 8,028 | 3.6% |
| 43 | Michigan | | 251 | 230 | 168 | | 143 | 792 | 30,308 | 2.6% |
| 44 | Louisiana | | 192 | 373 | 14 | | | 579 | 25,987 | 2.2% |
| 45 | Florida | | 55 | 351 | 662 | 25 | | 1,093 | 59,073 | 1.9% |
| 46 | Rhode Island | | 3 | | 24 | | | 27 | 1,780 | 1.5% |
| 47 | New Jersey | | 6 | | 195 | 13 | 8 | 222 | 18,499 | 1.2% |
| 48 | Ohio | | 101 | 65 | 43 | | 7 | 216 | 33,539 | 0.6% |
| 49 | Delaware | | | | 7 | | | 7 | 3,362 | 0.2% |
| 50 | Dist. of Columbia | | | | | | | | 790 | |
| 51 | Mississippi | | | 229 | | | | | 15,820 | |
| U.S. Total | | 2,382 | 78,518 | 6,939 | 4,317 | 619 | 34,296 | 127,071 | 1,025,400 | 12.4% |

¹Black liquor and wood/woodwaste solids and liquids

²Landfill gas, MSW biogenic (paper and paper board, wood, food, leather, textiles, and yard trimmings), agriculture byproducts/crops, sludge waste, and other biomass solids, liquids, and gases

Source: [EIA, Electric Power Annual - Historical state-level tables](#)