

Table 2.2 **Recoverable Coal Reserves at Producing Mines, Estimated Recoverable Reserves and Demonstrated Reserve Base by State and Mining Method, 2022**
Million Short Tons

| Rank | State | Underground | | | Surface | | | Total | | | Percent of Total | | |
|--------------------------------|----------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|
| (by demonstrated reserve base) | | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base |
| 1 | Montana | 181 | 35,835 | 70,785 | 220 | 38,448 | 47,573 | 401 | 74,283 | 118,358 | 3.3% | 29.6% | 25.1% |
| 2 | Illinois | 1,842 | 27,520 | 86,636 | 4 | 10,020 | 16,464 | 1,846 | 37,540 | 103,100 | 15.0% | 15.0% | 21.9% |
| 3 | Wyoming | - | 22,901 | 42,409 | 4,161 | 11,346 | 13,704 | 4,161 | 34,246 | 56,113 | 33.9% | 13.6% | 11.9% |
| 4 | West Virginia | 1,573 | 14,198 | 26,602 | 237 | 1,900 | 3,012 | 1,809 | 16,098 | 29,614 | 14.7% | 6.4% | 6.3% |
| 5 | Kentucky | 290 | 6,631 | 15,453 | 60 | 7,180 | 12,433 | 350 | 13,811 | 27,886 | 2.8% | 5.5% | 5.9% |
| 6 | Pennsylvania | 875 | 9,886 | 21,679 | 141 | 950 | 4,084 | 1,016 | 10,836 | 25,764 | 8.3% | 4.3% | 5.5% |
| 7 | Ohio | 32 | 7,544 | 17,146 | 4 | 3,691 | 5,638 | 35 | 11,234 | 22,785 | 0.3% | 4.5% | 4.8% |
| 8 | Colorado | 183 | 5,667 | 10,798 | 98 | 3,740 | 4,754 | 281 | 9,407 | 15,552 | 2.3% | 3.7% | 3.3% |
| 9 | New Mexico | - | 2,725 | 5,991 | 36 | 3,976 | 5,687 | 36 | 6,701 | 11,678 | 0.3% | 2.7% | 2.5% |
| 10 | Texas | - | - | - | 275 | 8,970 | 11,652 | 275 | 8,970 | 11,652 | 2.2% | 3.6% | 2.5% |
| 11 | Indiana | 123 | 3,424 | 8,267 | 163 | 203 | 347 | 285 | 3,627 | 8,614 | 2.3% | 1.4% | 1.8% |
| 12 | North Dakota | - | - | - | 599 | 6,445 | 8,449 | 599 | 6,445 | 8,449 | 4.9% | 2.6% | 1.8% |
| 13 | Alaska | - | 2,335 | 5,423 | 45 | 475 | 658 | 45 | 2,810 | 6,081 | 0.4% | 1.1% | 1.3% |
| 14 | Missouri | - | 689 | 1,479 | s | 3,153 | 4,504 | - | 3,842 | 5,983 | - | 1.5% | 1.3% |
| 15 | Utah | 140 | 2,231 | 4,551 | s | 206 | 260 | 140 | 2,437 | 4,811 | 1.1% | 1.0% | 1.0% |
| 16 | Alabama | 174 | 319 | 632 | 12 | 2,207 | 3,098 | 186 | 2,525 | 3,730 | 1.5% | 1.0% | 0.8% |
| 17 | Iowa | - | 807 | 1,732 | - | 320 | 457 | - | 1,127 | 2,189 | - | 0.4% | 0.5% |
| 18 | Oklahoma | - | 569 | 1,221 | - | 218 | 312 | - | 787 | 1,533 | - | 0.3% | 0.3% |
| 19 | Washington | - | 674 | 1,332 | - | 6 | 8 | - | 681 | 1,340 | - | 0.3% | 0.3% |
| 20 | Virginia | 134 | 413 | 735 | 17 | 284 | 444 | 150 | 697 | 1,178 | 1.2% | 0.3% | 0.3% |
| 21 | Kansas | - | - | - | - | 679 | 970 | - | 679 | 970 | - | 0.3% | 0.2% |
| 22 | Tennessee | - | 270 | 494 | - | 170 | 251 | - | 441 | 744 | - | 0.2% | 0.2% |
| 23 | Maryland | 6 | 303 | 552 | 4 | 24 | 35 | 9 | 327 | 588 | 0.1% | 0.1% | 0.1% |
| 24 | Arkansas | - | 126 | 271 | - | 101 | 144 | - | 227 | 415 | - | 0.1% | 0.1% |
| 25 | Louisiana | - | - | - | 12 | 271 | 366 | 12 | 271 | 366 | 0.1% | 0.1% | 0.1% |
| 26 | South Dakota | - | - | - | - | 277 | 366 | - | 277 | 366 | - | 0.1% | 0.1% |
| 27 | Michigan | - | 55 | 123 | - | 3 | 5 | - | 58 | 128 | - | 0.0% | 0.0% |
| 28 | Oregon | - | 6 | 15 | - | 2 | 3 | - | 9 | 17 | - | 0.0% | 0.0% |
| 29 | North Carolina | - | 5 | 11 | - | - | - | - | 5 | 11 | - | 0.0% | 0.0% |
| 30 | Georgia | - | 1 | 2 | - | 1 | 2 | - | 2 | 4 | - | 0.0% | 0.0% |
| 30 | Idaho | - | 2 | 4 | - | - | - | - | 2 | 4 | - | 0.0% | 0.0% |
| 32 | Mississippi | - | - | - | 102 | - | - | 102 | - | - | 0.8% | - | - |
| U.S. Total | | 5,553 | 145,136 | 324,343 | 6,190 | 105,266 | 145,680 | 11,738 | 250,402 | 470,023 | | | |

w = Withheld to avoid disclosure of individual company data

Source: [EIA, Annual Coal Report](#)

Note: Recoverable coal reserves at producing mines represent the quantity of coal that can be removed from existing coal reserves at reporting mines. Estimated recoverable reserves include the coal in the demonstrated reserve base considered recoverable after excluding coal estimated to be unavailable due to land use restrictions or currently economically unattractive for mining, and after applying assumed mining recovery rates. The demonstrated reserve base includes publicly available data on coal mapped to measured and indicated degrees of accuracy and found at depths and in coalbed thicknesses considered technologically minable at the time of determinations.

Table 2.2 **Recoverable Coal Reserves at Producing Mines, Estimated Recoverable Reserves and Demonstrated Reserve Base by State and Mining Method, 2021**
Million Short Tons

| Rank | State | Underground | | | Surface | | | Total | | | Percent of Total | | |
|--------------------------------|----------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|
| (by demonstrated reserve base) | | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base |
| 1 | Montana | 190 | 35,842 | 70,800 | 370 | 38,470 | 47,599 | 559 | 74,312 | 118,399 | 4.6% | 29.6% | 25.1% |
| 2 | Illinois | 1,868 | 27,543 | 86,709 | 5 | 10,021 | 16,465 | 1,873 | 37,564 | 103,175 | 15.3% | 15.0% | 21.9% |
| 3 | Wyoming | - | 22,901 | 42,409 | 4,403 | 11,599 | 14,010 | 4,403 | 34,500 | 56,419 | 35.9% | 13.7% | 12.0% |
| 4 | West Virginia | 1,312 | 14,271 | 26,739 | 158 | 1,912 | 3,031 | 1,470 | 16,183 | 29,770 | 12.0% | 6.4% | 6.3% |
| 5 | Kentucky | 326 | 6,652 | 15,498 | 28 | 7,184 | 12,440 | 354 | 13,836 | 27,938 | 2.9% | 5.5% | 5.9% |
| 6 | Pennsylvania | 1,236 | 9,924 | 21,750 | 135 | 952 | 4,090 | 1,370 | 10,876 | 25,840 | 11.2% | 4.3% | 5.5% |
| 7 | Ohio | 47 | 7,545 | 17,149 | 2 | 3,692 | 5,640 | 49 | 11,237 | 22,789 | 0.4% | 4.5% | 4.8% |
| 8 | Colorado | 177 | 5,678 | 10,820 | 107 | 3,740 | 4,754 | 284 | 9,419 | 15,574 | 2.3% | 3.8% | 3.3% |
| 9 | New Mexico | 1 | 2,727 | 5,994 | 43 | 3,984 | 5,698 | 44 | 6,711 | 11,692 | 0.4% | 2.7% | 2.5% |
| 10 | Texas | - | - | - | 292 | 8,986 | 11,674 | 292 | 8,986 | 11,674 | 2.4% | 3.6% | 2.5% |
| 11 | Indiana | 132 | 3,435 | 8,294 | 170 | 210 | 360 | 302 | 3,645 | 8,654 | 2.5% | 1.5% | 1.8% |
| 12 | North Dakota | - | - | - | 621 | 6,471 | 8,482 | 621 | 6,471 | 8,482 | 5.1% | 2.6% | 1.8% |
| 13 | Alaska | - | 2,335 | 5,423 | 46 | 476 | 659 | 46 | 2,811 | 6,082 | 0.4% | 1.1% | 1.3% |
| 14 | Missouri | - | 689 | 1,479 | s | 3,153 | 4,504 | - | 3,842 | 5,983 | - | 1.5% | 1.3% |
| 15 | Utah | 169 | 2,241 | 4,572 | s | 206 | 261 | 169 | 2,448 | 4,832 | 1.4% | 1.0% | 1.0% |
| 16 | Alabama | 164 | 328 | 651 | 8 | 2,208 | 3,099 | 172 | 2,536 | 3,750 | 1.4% | 1.0% | 0.8% |
| 17 | Iowa | - | 807 | 1,732 | - | 320 | 457 | - | 1,127 | 2,189 | - | 0.4% | 0.5% |
| 18 | Oklahoma | - | 569 | 1,221 | - | 218 | 312 | - | 787 | 1,533 | - | 0.3% | 0.3% |
| 19 | Washington | - | 674 | 1,332 | - | 6 | 8 | - | 681 | 1,340 | - | 0.3% | 0.3% |
| 20 | Virginia | 132 | 421 | 750 | 17 | 287 | 448 | 149 | 708 | 1,198 | 1.2% | 0.3% | 0.3% |
| 21 | Kansas | - | - | - | - | 679 | 970 | - | 679 | 970 | - | 0.3% | 0.2% |
| 22 | Tennessee | - | 270 | 494 | - | 170 | 251 | - | 441 | 744 | - | 0.2% | 0.2% |
| 23 | Maryland | 2 | 303 | 553 | 5 | 25 | 37 | 6 | 328 | 590 | 0.0% | 0.1% | 0.1% |
| 24 | Arkansas | - | 126 | 271 | - | 101 | 144 | - | 227 | 415 | - | 0.1% | 0.1% |
| 25 | Louisiana | - | - | - | 13 | 271 | 366 | 13 | 271 | 366 | 0.1% | 0.1% | 0.1% |
| 26 | South Dakota | - | - | - | - | 277 | 366 | - | 277 | 366 | - | 0.1% | 0.1% |
| 27 | Michigan | - | 55 | 123 | - | 3 | 5 | - | 58 | 128 | - | 0.0% | 0.0% |
| 28 | Oregon | - | 6 | 15 | - | 2 | 3 | - | 9 | 17 | - | 0.0% | 0.0% |
| 29 | North Carolina | - | 5 | 11 | - | - | - | - | 5 | 11 | - | 0.0% | 0.0% |
| 30 | Georgia | - | 1 | 2 | - | 1 | 2 | - | 2 | 4 | - | 0.0% | 0.0% |
| 30 | Idaho | - | 2 | 4 | - | - | - | - | 2 | 4 | - | 0.0% | 0.0% |
| 32 | Mississippi | - | - | - | 105 | - | - | 105 | - | - | 0.9% | - | - |
| U.S. Total | | 5,756 | 145,350 | 324,795 | 6,528 | 105,624 | 146,135 | 12,281 | 250,979 | 470,928 | | | |

w = Withheld to avoid disclosure of individual company data

Source: [EIA, Annual Coal Report](#)

Note: Recoverable coal reserves at producing mines represent the quantity of coal that can be removed from existing coal reserves at reporting mines. Estimated recoverable reserves include the coal in the demonstrated reserve base considered recoverable after excluding coal estimated to be unavailable due to land use restrictions or currently economically unattractive for mining, and after applying assumed mining recovery rates. The demonstrated reserve base includes publicly available data on coal mapped to measured and indicated degrees of accuracy and found at depths and in coalbed thicknesses considered technologically minable at the time of determinations.

Table 2.2 Recoverable Coal Reserves at Producing Mines, Estimated Recoverable Reserves and Demonstrated Reserve Base by State and Mining Method, 2020
Million Short Tons

| Rank | State | Underground | | | Surface | | | Total | | | Percent of Total | | |
|--------------------------------|----------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|
| (by demonstrated reserve base) | | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base |
| 1 | Montana | 199 | 35,850 | 70,814 | 508 | 38,491 | 47,626 | 707 | 74,341 | 118,440 | 5.4% | 29.6% | 25.1% |
| 2 | Illinois | 1,874 | 27,566 | 86,782 | 9 | 10,021 | 16,466 | 1,883 | 37,587 | 103,247 | 14.3% | 14.9% | 21.9% |
| 3 | Wyoming | 2 | 22,904 | 42,415 | 4,905 | 11,843 | 14,304 | 4,907 | 34,747 | 56,720 | 37.2% | 13.8% | 12.0% |
| 4 | West Virginia | 1,369 | 14,340 | 26,869 | 198 | 1,923 | 3,048 | 1,567 | 16,263 | 29,917 | 11.9% | 6.5% | 6.3% |
| 5 | Kentucky | 404 | 6,672 | 15,541 | 64 | 7,188 | 12,446 | 468 | 13,860 | 27,987 | 3.5% | 5.5% | 5.9% |
| 6 | Pennsylvania | 835 | 9,965 | 21,826 | 141 | 954 | 4,095 | 975 | 10,919 | 25,921 | 7.4% | 4.3% | 5.5% |
| 7 | Ohio | 52 | 7,546 | 17,153 | 2 | 3,693 | 5,641 | 54 | 11,239 | 22,794 | 0.4% | 4.5% | 4.8% |
| 8 | Colorado | 82 | 5,689 | 10,840 | 111 | 3,740 | 4,754 | 193 | 9,429 | 15,595 | 1.5% | 3.7% | 3.3% |
| 9 | New Mexico | 3 | 2,728 | 5,997 | 63 | 3,991 | 5,708 | 65 | 6,719 | 11,705 | 0.5% | 2.7% | 2.5% |
| 10 | Texas | - | - | - | 316 | 9,003 | 11,695 | 316 | 9,003 | 11,695 | 2.4% | 3.6% | 2.5% |
| 11 | Indiana | 143 | 3,444 | 8,315 | 268 | 217 | 371 | 411 | 3,661 | 8,686 | 3.1% | 1.5% | 1.8% |
| 12 | North Dakota | - | - | - | 922 | 6,496 | 8,515 | 922 | 6,496 | 8,515 | 7.0% | 2.6% | 1.8% |
| 13 | Alaska | - | 2,335 | 5,423 | 47 | 478 | 660 | 47 | 2,812 | 6,083 | 0.4% | 1.1% | 1.3% |
| 14 | Missouri | - | 689 | 1,479 | s | 3,153 | 4,504 | - | 3,842 | 5,983 | - | 1.5% | 1.3% |
| 15 | Utah | 179 | 2,253 | 4,596 | 1 | 207 | 261 | 180 | 2,460 | 4,857 | 1.4% | 1.0% | 1.0% |
| 16 | Alabama | 179 | 336 | 667 | 10 | 2,209 | 3,101 | 190 | 2,545 | 3,768 | 1.4% | 1.0% | 0.8% |
| 17 | Iowa | - | 807 | 1,732 | - | 320 | 457 | - | 1,127 | 2,189 | - | 0.4% | 0.5% |
| 18 | Oklahoma | - | 569 | 1,221 | - | 218 | 312 | - | 787 | 1,533 | - | 0.3% | 0.3% |
| 19 | Washington | - | 674 | 1,332 | - | 6 | 8 | - | 681 | 1,340 | - | 0.3% | 0.3% |
| 20 | Virginia | 165 | 430 | 766 | 13 | 289 | 451 | 178 | 719 | 1,217 | 1.3% | 0.3% | 0.3% |
| 21 | Kansas | - | - | - | - | 679 | 970 | - | 679 | 970 | - | 0.3% | 0.2% |
| 22 | Tennessee | 9 | 270 | 494 | - | 170 | 251 | 9 | 441 | 744 | 0.1% | 0.2% | 0.2% |
| 23 | Maryland | 3 | 303 | 554 | 4 | 26 | 38 | 7 | 329 | 592 | 0.1% | 0.1% | 0.1% |
| 24 | Arkansas | - | 126 | 271 | - | 101 | 144 | - | 227 | 415 | - | 0.1% | 0.1% |
| 25 | Louisiana | - | - | - | 13 | 272 | 367 | 13 | 272 | 367 | 0.1% | 0.1% | 0.1% |
| 26 | South Dakota | - | - | - | - | 277 | 366 | - | 277 | 366 | - | 0.1% | 0.1% |
| 27 | Michigan | - | 55 | 123 | - | 3 | 5 | - | 58 | 128 | - | 0.0% | 0.0% |
| 28 | Oregon | - | 6 | 15 | - | 2 | 3 | - | 9 | 17 | - | 0.0% | 0.0% |
| 29 | North Carolina | - | 5 | 11 | - | - | - | - | 5 | 11 | - | 0.0% | 0.0% |
| 30 | Georgia | - | 1 | 2 | - | 1 | 2 | - | 2 | 4 | - | 0.0% | 0.0% |
| 30 | Idaho | - | 2 | 4 | - | - | - | - | 2 | 4 | - | 0.0% | 0.0% |
| 32 | Mississippi | - | - | - | 108 | - | - | 108 | - | - | 0.8% | - | - |
| U.S. Total | | 5,497 | 145,567 | 325,241 | 7,704 | 105,972 | 146,570 | 13,201 | 251,539 | 471,811 | | | |

w = Withheld to avoid disclosure of individual company data

Source: [EIA, Annual Coal Report](#)

Note: Recoverable coal reserves at producing mines represent the quantity of coal that can be removed from existing coal reserves at reporting mines. Estimated recoverable reserves include the coal in the demonstrated reserve base considered recoverable after excluding coal estimated to be unavailable due to land use restrictions or currently economically unattractive for mining, and after applying assumed mining recovery rates. The demonstrated reserve base includes publicly available data on coal mapped to measured and indicated degrees of accuracy and found at depths and in coalbed thicknesses considered technologically minable at the time of determinations.

Table 2.2 Recoverable Coal Reserves at Producing Mines, Estimated Recoverable Reserves and Demonstrated Reserve Base by State and Mining Method, 2019
Million Short Tons

| Rank | State | Underground | | | Surface | | | Total | | | Percent of Total | | |
|--------------------------------|----------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|
| (by demonstrated reserve base) | | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base |
| 1 | Montana | 205 | 35,856 | 70,826 | 573 | 38,512 | 47,651 | 778 | 74,368 | 118,478 | 5.5% | 29.5% | 25.1% |
| 2 | Illinois | 1,880 | 27,585 | 86,841 | 20 | 10,023 | 16,468 | 1,900 | 37,608 | 103,309 | 13.4% | 14.9% | 21.9% |
| 3 | Wyoming | 3 | 22,907 | 42,420 | 5,185 | 12,067 | 14,575 | 5,189 | 34,974 | 56,995 | 36.7% | 13.9% | 12.1% |
| 4 | West Virginia | 1,161 | 14,400 | 26,981 | 275 | 1,932 | 3,062 | 1,436 | 16,331 | 30,042 | 10.1% | 6.5% | 6.4% |
| 5 | Kentucky | 623 | 6,690 | 15,581 | 76 | 7,191 | 12,452 | 699 | 13,881 | 28,032 | 4.9% | 5.5% | 5.9% |
| 6 | Pennsylvania | 924 | 9,999 | 21,890 | 145 | 956 | 4,101 | 1,070 | 10,955 | 25,991 | 7.6% | 4.3% | 5.5% |
| 7 | Ohio | 82 | 7,549 | 17,158 | 4 | 3,693 | 5,642 | 85 | 11,242 | 22,800 | 0.6% | 4.5% | 4.8% |
| 8 | Colorado | 122 | 5,698 | 10,858 | 115 | 3,740 | 4,754 | 237 | 9,438 | 15,612 | 1.7% | 3.7% | 3.3% |
| 9 | New Mexico | 5 | 2,729 | 6,000 | 78 | 4,000 | 5,719 | 82 | 6,729 | 11,719 | 0.6% | 2.7% | 2.5% |
| 10 | Texas | - | - | - | 345 | 9,021 | 11,719 | 345 | 9,021 | 11,719 | 2.4% | 3.6% | 2.5% |
| 11 | Indiana | 192 | 3,451 | 8,333 | 253 | 225 | 385 | 446 | 3,676 | 8,718 | 3.2% | 1.5% | 1.8% |
| 12 | North Dakota | - | - | - | 928 | 6,521 | 8,548 | 928 | 6,521 | 8,548 | 6.6% | 2.6% | 1.8% |
| 13 | Alaska | - | 2,335 | 5,423 | 48 | 479 | 661 | 48 | 2,813 | 6,084 | 0.3% | 1.1% | 1.3% |
| 14 | Missouri | - | 689 | 1,479 | s | 3,153 | 4,504 | - | 3,843 | 5,984 | - | 1.5% | 1.3% |
| 15 | Utah | 179 | 2,265 | 4,621 | 1 | 207 | 262 | 180 | 2,473 | 4,883 | 1.3% | 1.0% | 1.0% |
| 16 | Alabama | 190 | 346 | 687 | 14 | 2,211 | 3,103 | 204 | 2,557 | 3,791 | 1.4% | 1.0% | 0.8% |
| 17 | Iowa | - | 807 | 1,732 | - | 320 | 457 | - | 1,127 | 2,189 | - | 0.4% | 0.5% |
| 18 | Oklahoma | - | 569 | 1,221 | s | 218 | 312 | - | 787 | 1,533 | - | 0.3% | 0.3% |
| 19 | Washington | - | 674 | 1,332 | - | 6 | 8 | - | 681 | 1,340 | - | 0.3% | 0.3% |
| 20 | Virginia | 152 | 438 | 780 | 23 | 291 | 454 | 175 | 729 | 1,235 | 1.2% | 0.3% | 0.3% |
| 21 | Kansas | - | - | - | - | 679 | 970 | - | 679 | 970 | - | 0.3% | 0.2% |
| 22 | Tennessee | 9 | 271 | 494 | s | 170 | 251 | 9 | 441 | 745 | 0.1% | 0.2% | 0.2% |
| 23 | Maryland | 3 | 304 | 555 | 5 | 26 | 39 | 8 | 330 | 594 | 0.1% | 0.1% | 0.1% |
| 24 | Arkansas | - | 126 | 271 | - | 101 | 144 | - | 227 | 415 | - | 0.1% | 0.1% |
| 25 | Louisiana | - | - | - | 30 | 272 | 367 | 30 | 272 | 367 | 0.2% | 0.1% | 0.1% |
| 26 | South Dakota | - | - | - | - | 277 | 366 | - | 277 | 366 | - | 0.1% | 0.1% |
| 27 | Michigan | - | 55 | 123 | - | 3 | 5 | - | 58 | 128 | - | 0.0% | 0.0% |
| 28 | Oregon | - | 6 | 15 | - | 2 | 3 | - | 9 | 17 | - | 0.0% | 0.0% |
| 29 | North Carolina | - | 5 | 11 | - | - | - | - | 5 | 11 | - | 0.0% | 0.0% |
| 30 | Georgia | - | 1 | 2 | - | 1 | 2 | - | 2 | 4 | - | 0.0% | 0.0% |
| 31 | Idaho | - | 2 | 4 | - | - | - | - | 2 | 4 | - | 0.0% | 0.0% |
| 32 | Arizona | - | - | - | 193 | - | - | 193 | - | - | 1.4% | - | - |
| 33 | Mississippi | - | - | - | 108 | - | - | 108 | - | - | 0.8% | - | - |
| U.S. Total | | 5,730 | 145,757 | 325,637 | 8,421 | 106,300 | 146,986 | 14,151 | 252,057 | 472,623 | | | |

w = Withheld to avoid disclosure of individual company data

Source: [EIA, Annual Coal Report](#)

Note: Recoverable coal reserves at producing mines represent the quantity of coal that can be removed from existing coal reserves at reporting mines. Estimated recoverable reserves include the coal in the demonstrated reserve base considered recoverable after excluding coal estimated to be unavailable due to land use restrictions or currently economically unattractive for mining, and after applying assumed mining recovery rates. The demonstrated reserve base includes publicly available data on coal mapped to measured and indicated degrees of accuracy and found at depths and in coalbed thicknesses considered technologically minable at the time of determinations.

Table 2.2 Recoverable Coal Reserves at Producing Mines, Estimated Recoverable Reserves and Demonstrated Reserve Base by State and Mining Method, 2018
Million Short Tons

| Rank | State | Underground | | | Surface | | | Total | | | Percent of Total | | |
|--------------------------------|----------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|
| (by demonstrated reserve base) | | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base |
| 1 | Montana | 215 | 35,863 | 70,840 | 603 | 38,540 | 47,686 | 818 | 74,403 | 118,526 | 5.4% | 29.4% | 25.0% |
| 2 | Illinois | 2,072 | 27,612 | 86,926 | 22 | 10,025 | 16,472 | 2,094 | 37,637 | 103,398 | 13.8% | 14.9% | 21.8% |
| 3 | Wyoming | 5 | 22,909 | 42,424 | 5,521 | 12,352 | 14,918 | 5,525 | 35,261 | 57,342 | 36.3% | 14.0% | 12.1% |
| 4 | West Virginia | 1,157 | 14,474 | 27,121 | 573 | 1,950 | 3,091 | 1,730 | 16,424 | 30,212 | 11.4% | 6.5% | 6.4% |
| 5 | Kentucky | 568 | 6,716 | 15,638 | 143 | 7,196 | 12,461 | 711 | 13,912 | 28,099 | 4.7% | 5.5% | 5.9% |
| 6 | Pennsylvania | 883 | 10,047 | 21,979 | 182 | 959 | 4,107 | 1,064 | 11,006 | 26,087 | 7.0% | 4.4% | 5.5% |
| 7 | Ohio | 78 | 7,554 | 17,170 | 9 | 3,695 | 5,644 | 86 | 11,249 | 22,814 | 0.6% | 4.5% | 4.8% |
| 8 | Colorado | 114 | 5,710 | 10,881 | 103 | 3,740 | 4,754 | 217 | 9,451 | 15,635 | 1.4% | 3.7% | 3.3% |
| 9 | Texas | - | - | - | 375 | 9,042 | 11,747 | 375 | 9,042 | 11,747 | 2.5% | 3.6% | 2.5% |
| 10 | New Mexico | 10 | 2,733 | 6,007 | 137 | 4,010 | 5,733 | 147 | 6,743 | 11,740 | 1.0% | 2.7% | 2.5% |
| 11 | Indiana | 175 | 3,465 | 8,367 | 305 | 236 | 403 | 481 | 3,701 | 8,770 | 3.2% | 1.5% | 1.9% |
| 12 | North Dakota | - | - | - | 960 | 6,547 | 8,582 | 960 | 6,547 | 8,582 | 6.3% | 2.6% | 1.8% |
| 13 | Alaska | - | 2,335 | 5,423 | 49 | 480 | 663 | 49 | 2,814 | 6,086 | 0.3% | 1.1% | 1.3% |
| 14 | Missouri | - | 689 | 1,479 | s | 3,154 | 4,505 | - | 3,843 | 5,984 | - | 1.5% | 1.3% |
| 15 | Utah | 181 | 2,279 | 4,649 | 1 | 208 | 262 | 182 | 2,487 | 4,912 | 1.2% | 1.0% | 1.0% |
| 16 | Alabama | 206 | 359 | 711 | 9 | 2,212 | 3,106 | 215 | 2,571 | 3,817 | 1.4% | 1.0% | 0.8% |
| 17 | Iowa | - | 807 | 1,732 | - | 320 | 457 | - | 1,127 | 2,189 | - | 0.4% | 0.5% |
| 18 | Oklahoma | 7 | 569 | 1,221 | s | 219 | 312 | 7 | 787 | 1,533 | 0.0% | 0.3% | 0.3% |
| 19 | Washington | - | 674 | 1,332 | - | 6 | 8 | - | 681 | 1,340 | - | 0.3% | 0.3% |
| 20 | Virginia | 168 | 448 | 798 | 15 | 294 | 459 | 184 | 742 | 1,256 | 1.2% | 0.3% | 0.3% |
| 21 | Kansas | - | - | - | - | 679 | 970 | - | 679 | 970 | - | 0.3% | 0.2% |
| 22 | Tennessee | 9 | 271 | 494 | s | 170 | 251 | 9 | 441 | 745 | 0.1% | 0.2% | 0.2% |
| 23 | Maryland | 7 | 305 | 556 | 6 | 27 | 40 | 13 | 332 | 596 | 0.1% | 0.1% | 0.1% |
| 24 | Arkansas | - | 126 | 271 | - | 101 | 144 | - | 227 | 415 | - | 0.1% | 0.1% |
| 25 | Louisiana | - | - | - | 41 | 274 | 369 | 41 | 274 | 369 | 0.3% | 0.1% | 0.1% |
| 26 | South Dakota | - | - | - | - | 277 | 366 | - | 277 | 366 | - | 0.1% | 0.1% |
| 27 | Michigan | - | 55 | 123 | - | 3 | 5 | - | 58 | 128 | - | 0.0% | 0.0% |
| 28 | Oregon | - | 6 | 15 | - | 2 | 3 | - | 9 | 17 | - | 0.0% | 0.0% |
| 29 | North Carolina | - | 5 | 11 | - | - | - | - | 5 | 11 | - | 0.0% | 0.0% |
| 30 | Georgia | - | 1 | 2 | - | 1 | 2 | - | 2 | 4 | - | 0.0% | 0.0% |
| 31 | Idaho | - | 2 | 4 | - | - | - | - | 2 | 4 | - | 0.0% | 0.0% |
| 32 | Arizona | - | - | - | 197 | - | - | 197 | - | - | 1.3% | - | - |
| 33 | Mississippi | - | - | - | 111 | - | - | 111 | - | - | 0.7% | - | - |
| U.S. Total | | 5,855 | 146,015 | 326,176 | 9,361 | 106,719 | 147,519 | 15,216 | 252,733 | 473,695 | | | |

w = Withheld to avoid disclosure of individual company data

Source: [EIA, Annual Coal Report](#)

Note: Recoverable coal reserves at producing mines represent the quantity of coal that can be removed from existing coal reserves at reporting mines. Estimated recoverable reserves include the coal in the demonstrated reserve base considered recoverable after excluding coal estimated to be unavailable due to land use restrictions or currently economically unattractive for mining, and after applying assumed mining recovery rates. The demonstrated reserve base includes publicly available data on coal mapped to measured and indicated degrees of accuracy and found at depths and in coalbed thicknesses considered technologically minable at the time of determinations.

Table 2.2 Recoverable Coal Reserves at Producing Mines, Estimated Recoverable Reserves and Demonstrated Reserve Base by State and Mining Method, 2017
Million Short Tons

| Rank | State | Underground | | | Surface | | | Total | | | Percent of Total | | |
|--------------------------------|----------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|
| (by demonstrated reserve base) | | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base |
| 1 | Montana | 222 | 35,871 | 70,856 | 556 | 38,572 | 47,725 | 778 | 74,443 | 118,580 | 4.8% | 29.4% | 25.0% |
| 2 | Illinois | 1,212 | 27,641 | 87,018 | 25 | 10,028 | 16,477 | 1,236 | 37,669 | 103,495 | 7.7% | 14.9% | 21.8% |
| 3 | Wyoming | 6 | 22,911 | 42,429 | 5,867 | 12,664 | 15,296 | 5,873 | 35,576 | 57,724 | 36.5% | 14.0% | 12.2% |
| 4 | West Virginia | 1,257 | 14,552 | 27,265 | 576 | 1,968 | 3,120 | 1,833 | 16,520 | 30,385 | 11.4% | 6.5% | 6.4% |
| 5 | Kentucky | 565 | 6,745 | 15,700 | 483 | 7,202 | 12,472 | 1,048 | 13,947 | 28,172 | 6.5% | 5.5% | 5.9% |
| 6 | Pennsylvania | 953 | 10,094 | 22,068 | 168 | 963 | 4,114 | 1,121 | 11,057 | 26,182 | 7.0% | 4.4% | 5.5% |
| 7 | Ohio | 83 | 7,560 | 17,183 | 8 | 3,697 | 5,647 | 91 | 11,256 | 22,831 | 0.6% | 4.4% | 4.8% |
| 8 | Colorado | 147 | 5,723 | 10,906 | 107 | 3,740 | 4,754 | 253 | 9,464 | 15,660 | 1.6% | 3.7% | 3.3% |
| 9 | Texas | - | - | - | 536 | 9,064 | 11,775 | 536 | 9,064 | 11,775 | 3.3% | 3.6% | 2.5% |
| 10 | New Mexico | 11 | 2,735 | 6,011 | 190 | 4,018 | 5,744 | 201 | 6,753 | 11,755 | 1.2% | 2.7% | 2.5% |
| 11 | Indiana | 175 | 3,480 | 8,402 | 282 | 248 | 424 | 457 | 3,728 | 8,826 | 2.8% | 1.5% | 1.9% |
| 12 | North Dakota | - | - | - | 980 | 6,575 | 8,619 | 980 | 6,575 | 8,619 | 6.1% | 2.6% | 1.8% |
| 13 | Alaska | - | 2,335 | 5,423 | 50 | 480 | 664 | 50 | 2,815 | 6,087 | 0.3% | 1.1% | 1.3% |
| 14 | Missouri | - | 689 | 1,479 | s | 3,154 | 4,505 | - | 3,843 | 5,984 | - | 1.5% | 1.3% |
| 15 | Utah | 174 | 2,292 | 4,675 | 1 | 208 | 263 | 176 | 2,500 | 4,938 | 1.1% | 1.0% | 1.0% |
| 16 | Alabama | 218 | 371 | 736 | 25 | 2,215 | 3,109 | 243 | 2,586 | 3,845 | 1.5% | 1.0% | 0.8% |
| 17 | Iowa | - | 807 | 1,732 | - | 320 | 457 | - | 1,127 | 2,189 | - | 0.4% | 0.5% |
| 18 | Oklahoma | 7 | 569 | 1,221 | 1 | 219 | 313 | 8 | 788 | 1,534 | 0.0% | 0.3% | 0.3% |
| 19 | Washington | - | 674 | 1,332 | - | 6 | 8 | - | 681 | 1,340 | - | 0.3% | 0.3% |
| 20 | Virginia | 173 | 459 | 817 | 50 | 296 | 463 | 223 | 755 | 1,279 | 1.4% | 0.3% | 0.3% |
| 21 | Kansas | - | - | - | - | 679 | 970 | - | 679 | 970 | - | 0.3% | 0.2% |
| 22 | Tennessee | 10 | 271 | 495 | s | 170 | 251 | 10 | 441 | 746 | 0.1% | 0.2% | 0.2% |
| 23 | Maryland | 7 | 305 | 557 | 6 | 28 | 41 | 13 | 333 | 598 | 0.1% | 0.1% | 0.1% |
| 24 | Arkansas | - | 126 | 271 | - | 101 | 144 | - | 227 | 415 | - | 0.1% | 0.1% |
| 25 | Louisiana | - | - | - | 86 | 275 | 371 | 86 | 275 | 371 | 0.5% | 0.1% | 0.1% |
| 26 | South Dakota | - | - | - | - | 277 | 366 | - | 277 | 366 | - | 0.1% | 0.1% |
| 27 | Michigan | - | 55 | 123 | - | 3 | 5 | - | 58 | 128 | - | 0.0% | 0.0% |
| 28 | Oregon | - | 6 | 15 | - | 2 | 3 | - | 9 | 17 | - | 0.0% | 0.0% |
| 29 | North Carolina | - | 5 | 11 | - | - | - | - | 5 | 11 | - | 0.0% | 0.0% |
| 30 | Georgia | - | 1 | 2 | - | 1 | 2 | - | 2 | 4 | - | 0.0% | 0.0% |
| 31 | Idaho | - | 2 | 4 | - | - | - | - | 2 | 4 | - | 0.0% | 0.0% |
| 32 | Arizona | - | - | - | 197 | - | - | 197 | - | -- | 1.2% | - | - |
| 33 | Mississippi | - | - | - | 689 | - | - | 689 | - | -- | 4.3% | - | - |
| U.S. Total | | 5,220 | 146,279 | 326,731 | 10,882 | 107,176 | 148,100 | 16,102 | 253,455 | 474,831 | | | |

w = Withheld to avoid disclosure of individual company data

Source: [EIA, Annual Coal Report](#)

Note: Recoverable coal reserves at producing mines represent the quantity of coal that can be removed from existing coal reserves at reporting mines. Estimated recoverable reserves include the coal in the demonstrated reserve base considered recoverable after excluding coal estimated to be unavailable due to land use restrictions or currently economically unattractive for mining, and after applying assumed mining recovery rates. The demonstrated reserve base includes publicly available data on coal mapped to measured and indicated degrees of accuracy and found at depths and in coalbed thicknesses considered technologically minable at the time of determinations.

Table 2.2 Recoverable Coal Reserves at Producing Mines, Estimated Recoverable Reserves and Demonstrated Reserve Base by State and Mining Method, 2016
Million Short Tons

| Rank | State | Underground | | | Surface | | | Total | | | Percent of Total | | |
|--------------------------------|----------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|
| (by demonstrated reserve base) | | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base |
| 1 | Montana | 228 | 35,877 | 70,867 | 595 | 38,602 | 47,761 | 823 | 74,479 | 118,629 | 4.9% | 29.3% | 24.9% |
| 2 | Illinois | 1,499 | 27,670 | 87,108 | 30 | 10,030 | 16,481 | 1,529 | 37,700 | 103,589 | 9.0% | 14.8% | 21.8% |
| 3 | Wyoming | 8 | 22,913 | 42,432 | 6,212 | 12,990 | 15,689 | 6,220 | 35,904 | 58,121 | 36.7% | 14.1% | 12.2% |
| 4 | West Virginia | 1,276 | 14,629 | 27,410 | 285 | 1,984 | 3,145 | 1,561 | 16,613 | 30,555 | 9.2% | 6.5% | 6.4% |
| 5 | Kentucky | 621 | 6,774 | 15,763 | 456 | 7,210 | 12,485 | 1,077 | 13,984 | 28,248 | 6.4% | 5.5% | 5.9% |
| 6 | Pennsylvania | 1,047 | 10,141 | 22,156 | 178 | 966 | 4,121 | 1,225 | 11,107 | 26,277 | 7.2% | 4.4% | 5.5% |
| 7 | Ohio | 217 | 7,566 | 17,197 | 14 | 3,699 | 5,651 | 231 | 11,265 | 22,847 | 1.4% | 4.4% | 4.8% |
| 8 | Colorado | 179 | 5,738 | 10,933 | 112 | 3,740 | 4,754 | 291 | 9,478 | 15,687 | 1.7% | 3.7% | 3.3% |
| 9 | Texas | - | - | - | 582 | 9,097 | 11,817 | 582 | 9,097 | 11,817 | 3.4% | 3.6% | 2.5% |
| 10 | New Mexico | 17 | 2,739 | 6,022 | 194 | 4,027 | 5,754 | 211 | 6,766 | 11,776 | 1.2% | 2.7% | 2.5% |
| 11 | Indiana | 218 | 3,492 | 8,430 | 346 | 261 | 446 | 564 | 3,752 | 8,876 | 3.3% | 1.5% | 1.9% |
| 12 | North Dakota | - | - | - | 1,024 | 6,603 | 8,655 | 1,024 | 6,603 | 8,655 | 6.0% | 2.6% | 1.8% |
| 13 | Alaska | - | 2,335 | 5,423 | 51 | 481 | 665 | 51 | 2,816 | 6,088 | 0.3% | 1.1% | 1.3% |
| 14 | Missouri | - | 689 | 1,479 | s | 3,154 | 4,505 | - | 3,843 | 5,984 | - | 1.5% | 1.3% |
| 15 | Utah | 112 | 2,305 | 4,703 | 1 | 209 | 264 | 112 | 2,514 | 4,967 | 0.7% | 1.0% | 1.0% |
| 16 | Alabama | 201 | 381 | 757 | 11 | 2,217 | 3,112 | 213 | 2,598 | 3,869 | 1.3% | 1.0% | 0.8% |
| 17 | Iowa | - | 807 | 1,732 | - | 320 | 457 | - | 1,127 | 2,189 | - | 0.4% | 0.5% |
| 18 | Oklahoma | 7 | 569 | 1,222 | s | 219 | 313 | 7 | 788 | 1,535 | 0.0% | 0.3% | 0.3% |
| 19 | Washington | - | 674 | 1,332 | - | 6 | 8 | - | 681 | 1,340 | - | 0.3% | 0.3% |
| 20 | Virginia | 165 | 470 | 836 | 50 | 299 | 467 | 215 | 769 | 1,303 | 1.3% | 0.3% | 0.3% |
| 21 | Kansas | - | - | - | - | 679 | 970 | - | 679 | 970 | - | 0.3% | 0.2% |
| 22 | Tennessee | - | 271 | 495 | - | 170 | 251 | 1 | 442 | 747 | 0.0% | 0.2% | 0.2% |
| 23 | Maryland | 8 | 306 | 558 | 5 | 29 | 42 | 13 | 335 | 601 | 0.1% | 0.1% | 0.1% |
| 24 | Arkansas | 25 | 126 | 271 | - | 101 | 144 | 25 | 227 | 415 | 0.1% | 0.1% | 0.1% |
| 25 | Louisiana | - | - | - | 88 | 277 | 374 | 88 | 277 | 374 | 0.5% | 0.1% | 0.1% |
| 26 | South Dakota | - | - | - | - | 277 | 366 | - | 277 | 366 | - | 0.1% | 0.1% |
| 27 | Michigan | - | 55 | 123 | - | 3 | 5 | - | 58 | 128 | - | 0.0% | 0.0% |
| 28 | Oregon | - | 6 | 15 | - | 2 | 3 | - | 9 | 17 | - | 0.0% | 0.0% |
| 29 | North Carolina | - | 5 | 11 | - | - | - | - | 5 | 11 | - | 0.0% | 0.0% |
| 30 | Georgia | - | 1 | 2 | - | 1 | 2 | - | 2 | 4 | - | 0.0% | 0.0% |
| 31 | Idaho | - | 2 | 4 | - | - | - | - | 2 | 4 | - | 0.0% | 0.0% |
| 32 | Mississippi | - | - | - | 691 | - | - | 691 | - | - | 4.1% | - | - |
| 33 | Arizona | - | - | - | 203 | - | - | 203 | - | - | 1.2% | - | - |
| U.S. Total | | 5,828 | 146,543 | 327,282 | 11,128 | 107,654 | 148,707 | 16,956 | 254,197 | 475,990 | | | |

w = Withheld to avoid disclosure of individual company data

Source: [EIA, Annual Coal Report](#)

Note: Recoverable coal reserves at producing mines represent the quantity of coal that can be removed from existing coal reserves at reporting mines. Estimated recoverable reserves include the coal in the demonstrated reserve base considered recoverable after excluding coal estimated to be unavailable due to land use restrictions or currently economically unattractive for mining, and after applying assumed mining recovery rates. The demonstrated reserve base includes publicly available data on coal mapped to measured and indicated degrees of accuracy and found at depths and in coalbed thicknesses considered technologically minable at the time of determinations.

Table 2.2 Recoverable Coal Reserves at Producing Mines, Estimated Recoverable Reserves and Demonstrated Reserve Base by State and Mining Method, 2015
Million Short Tons

| Rank | State | Underground | | | Surface | | | Total | | | Percent of Total | | |
|--------------------------------|----------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|
| (by demonstrated reserve base) | | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base |
| 1 | Montana | 234 | 35,882 | 70,879 | 583 | 38,630 | 47,795 | 817 | 74,512 | 118,673 | 4.5% | 29.2% | 24.9% |
| 2 | Illinois | 2,409 | 27,696 | 87,190 | 27 | 10,032 | 16,484 | 2,435 | 37,728 | 103,674 | 13.3% | 14.8% | 21.7% |
| 3 | Wyoming | 34 | 22,915 | 42,435 | 6,647 | 13,297 | 16,059 | 6,681 | 36,212 | 58,494 | 36.5% | 14.2% | 12.3% |
| 4 | West Virginia | 1,395 | 14,697 | 27,539 | 272 | 1,997 | 3,165 | 1,667 | 16,694 | 30,703 | 9.1% | 6.5% | 6.4% |
| 5 | Kentucky | 689 | 6,804 | 15,828 | 147 | 7,217 | 12,497 | 837 | 14,021 | 28,326 | 4.6% | 5.5% | 5.9% |
| 6 | Pennsylvania | 1,106 | 10,185 | 22,238 | 190 | 969 | 4,126 | 1,296 | 11,154 | 26,365 | 7.1% | 4.4% | 5.5% |
| 7 | Ohio | 229 | 7,574 | 17,215 | 16 | 3,702 | 5,655 | 245 | 11,276 | 22,870 | 1.3% | 4.4% | 4.8% |
| 8 | Colorado | 185 | 5,749 | 10,955 | 112 | 3,741 | 4,754 | 298 | 9,490 | 15,710 | 1.6% | 3.7% | 3.3% |
| 9 | Texas | - | - | - | 633 | 9,134 | 11,866 | 633 | 9,134 | 11,866 | 3.5% | 3.6% | 2.5% |
| 10 | New Mexico | 11 | 2,743 | 6,030 | 156 | 4,035 | 5,766 | 167 | 6,778 | 11,796 | 0.9% | 2.7% | 2.5% |
| 11 | Indiana | 280 | 3,502 | 8,455 | 347 | 273 | 466 | 627 | 3,774 | 8,921 | 3.4% | 1.5% | 1.9% |
| 12 | North Dakota | - | - | - | 974 | 6,630 | 8,690 | 974 | 6,630 | 8,690 | 5.3% | 2.6% | 1.8% |
| 13 | Alaska | - | 2,335 | 5,423 | 51 | 482 | 666 | 51 | 2,817 | 6,089 | 0.3% | 1.1% | 1.3% |
| 14 | Missouri | - | 689 | 1,479 | - | 3,154 | 4,506 | - | 3,843 | 5,985 | - | 1.5% | 1.3% |
| 15 | Utah | 127 | 2,318 | 4,729 | 1 | 210 | 265 | 128 | 2,528 | 4,994 | 0.7% | 1.0% | 1.0% |
| 16 | Alabama | 204 | 389 | 772 | 24 | 2,219 | 3,115 | 228 | 2,608 | 3,887 | 1.2% | 1.0% | 0.8% |
| 17 | Iowa | - | 807 | 1,732 | - | 320 | 457 | - | 1,127 | 2,189 | - | 0.4% | 0.5% |
| 18 | Oklahoma | 7 | 570 | 1,223 | - | 219 | 313 | 8 | 789 | 1,536 | 0.0% | 0.3% | 0.3% |
| 19 | Washington | - | 674 | 1,332 | - | 6 | 8 | - | 681 | 1,340 | - | 0.3% | 0.3% |
| 20 | Virginia | 177 | 480 | 854 | 18 | 302 | 472 | 195 | 782 | 1,326 | 1.1% | 0.3% | 0.3% |
| 21 | Kansas | - | - | - | - | 679 | 970 | - | 679 | 970 | - | 0.3% | 0.2% |
| 22 | Tennessee | 1 | 272 | 496 | 2 | 171 | 251 | 2 | 442 | 748 | 0.0% | 0.2% | 0.2% |
| 23 | Maryland | 8 | 307 | 560 | 11 | 29 | 43 | 18 | 336 | 603 | 0.1% | 0.1% | 0.1% |
| 24 | Arkansas | 25 | 126 | 271 | - | 101 | 144 | 25 | 227 | 415 | 0.1% | 0.1% | 0.1% |
| 25 | Louisiana | - | - | - | 89 | 280 | 377 | 89 | 280 | 377 | 0.5% | 0.1% | 0.1% |
| 26 | South Dakota | - | - | - | - | 277 | 366 | - | 277 | 366 | - | 0.1% | 0.1% |
| 27 | Michigan | - | 55 | 123 | - | 3 | 5 | - | 58 | 128 | - | 0.0% | 0.0% |
| 28 | Oregon | - | 6 | 15 | - | 2 | 3 | - | 9 | 17 | - | 0.0% | 0.0% |
| 29 | North Carolina | - | 5 | 11 | - | - | - | - | 5 | 11 | - | 0.0% | 0.0% |
| 30 | Georgia | - | 1 | 2 | - | 1 | 2 | - | 2 | 4 | - | 0.0% | 0.0% |
| 31 | Idaho | - | 2 | 4 | - | - | - | - | 2 | 4 | - | 0.0% | 0.0% |
| 32 | Arizona | - | - | - | 209 | - | - | 209 | - | - | 1.1% | - | - |
| 33 | Mississippi | - | - | - | 694 | - | - | 694 | - | - | 3.8% | - | - |
| U.S. Total | | 7,120 | 146,785 | 327,791 | 11,207 | 108,111 | 149,287 | 18,327 | 254,896 | 477,078 | | | |

w = Withheld to avoid disclosure of individual company data

Source: [EIA, Annual Coal Report](#)

Note: Recoverable coal reserves at producing mines represent the quantity of coal that can be removed from existing coal reserves at reporting mines. Estimated recoverable reserves include the coal in the demonstrated reserve base considered recoverable after excluding coal estimated to be unavailable due to land use restrictions or currently economically unattractive for mining, and after applying assumed mining recovery rates. The demonstrated reserve base includes publicly available data on coal mapped to measured and indicated degrees of accuracy and found at depths and in coalbed thicknesses considered technologically minable at the time of determinations.

Table 2.2 **Recoverable Coal Reserves at Producing Mines, Estimated Recoverable Reserves and Demonstrated Reserve Base by State and Mining Method, 2014**
Million Short Tons

| Rank | State | Underground | | | Surface | | | Total | | | Percent of Total | | |
|--------------------------------|----------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|
| (by demonstrated reserve base) | | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base |
| 1 | Montana | 240 | 35,889 | 70,891 | 618 | 38,666 | 47,839 | 858 | 74,555 | 118,730 | 4.4% | 29.2% | 24.8% |
| 2 | Illinois | 2,426 | 27,729 | 87,294 | 37 | 10,035 | 16,489 | 2,463 | 37,764 | 103,783 | 12.7% | 14.8% | 21.7% |
| 3 | Wyoming | 35 | 22,918 | 42,441 | 6,878 | 13,683 | 16,525 | 6,913 | 36,601 | 58,966 | 35.7% | 14.3% | 12.3% |
| 4 | West Virginia | 1,554 | 14,778 | 27,689 | 475 | 2,013 | 3,190 | 2,028 | 16,790 | 30,879 | 10.5% | 6.6% | 6.5% |
| 5 | Kentucky | 767 | 6,845 | 15,915 | 122 | 7,230 | 12,520 | 889 | 14,075 | 28,435 | 4.6% | 5.5% | 5.9% |
| 6 | Pennsylvania | 1,088 | 10,232 | 22,326 | 167 | 973 | 4,134 | 1,256 | 11,205 | 26,460 | 6.5% | 4.4% | 5.5% |
| 7 | Ohio | 332 | 7,585 | 17,240 | 47 | 3,705 | 5,661 | 379 | 11,290 | 22,901 | 2.0% | 4.4% | 4.8% |
| 8 | Colorado | 207 | 5,766 | 10,987 | 126 | 3,742 | 4,756 | 333 | 9,508 | 15,743 | 1.7% | 3.7% | 3.3% |
| 9 | Texas | - | - | - | 703 | 9,169 | 11,911 | 703 | 9,169 | 11,911 | 3.6% | 3.6% | 2.5% |
| 10 | New Mexico | 16 | 2,749 | 6,043 | 169 | 4,048 | 5,782 | 186 | 6,797 | 11,826 | 1.0% | 2.7% | 2.5% |
| 11 | Indiana | 295 | 3,515 | 8,486 | 351 | 286 | 490 | 646 | 3,801 | 8,976 | 3.3% | 1.5% | 1.9% |
| 12 | North Dakota | - | - | - | 1,003 | 6,657 | 8,726 | 1,003 | 6,657 | 8,726 | 5.2% | 2.6% | 1.8% |
| 13 | Alaska | - | 2,335 | 5,423 | 53 | 483 | 668 | 53 | 2,818 | 6,091 | 0.3% | 1.1% | 1.3% |
| 14 | Missouri | - | 689 | 1,479 | 1 | 3,154 | 4,506 | 1 | 3,843 | 5,985 | 0.0% | 1.5% | 1.3% |
| 15 | Utah | 95 | 2,332 | 4,757 | 2 | 210 | 265 | 97 | 2,542 | 5,023 | 0.5% | 1.0% | 1.0% |
| 16 | Alabama | 213 | 399 | 791 | 16 | 2,222 | 3,119 | 228 | 2,621 | 3,911 | 1.2% | 1.0% | 0.8% |
| 17 | Iowa | - | 807 | 1,732 | - | 320 | 457 | - | 1,127 | 2,189 | - | 0.4% | 0.5% |
| 18 | Oklahoma | 8 | 570 | 1,223 | 1 | 220 | 314 | 9 | 790 | 1,537 | 0.0% | 0.3% | 0.3% |
| 19 | Virginia | 230 | 491 | 874 | 23 | 306 | 477 | 253 | 796 | 1,351 | 1.3% | 0.3% | 0.3% |
| 20 | Washington | - | 674 | 1,332 | - | 6 | 8 | - | 681 | 1,340 | - | 0.3% | 0.3% |
| 21 | Kansas | - | - | - | - | 679 | 970 | - | 679 | 970 | - | 0.3% | 0.2% |
| 22 | Tennessee | 1 | 273 | 497 | - | 171 | 252 | 1 | 443 | 749 | 0.0% | 0.2% | 0.2% |
| 23 | Maryland | 8 | 307 | 561 | 14 | 31 | 45 | 22 | 338 | 606 | 0.1% | 0.1% | 0.1% |
| 24 | Arkansas | 25 | 126 | 271 | - | 101 | 144 | 25 | 228 | 416 | 0.1% | 0.1% | 0.1% |
| 25 | Louisiana | - | - | - | 92 | 283 | 382 | 92 | 283 | 382 | 0.5% | 0.1% | 0.1% |
| 26 | South Dakota | - | - | - | - | 277 | 366 | - | 277 | 366 | - | 0.1% | 0.1% |
| 27 | Michigan | - | 55 | 123 | - | 3 | 5 | - | 58 | 128 | - | 0.0% | 0.0% |
| 28 | Oregon | - | 6 | 15 | - | 2 | 3 | - | 9 | 17 | - | 0.0% | 0.0% |
| 29 | North Carolina | - | 5 | 11 | - | - | - | - | 5 | 11 | - | 0.0% | 0.0% |
| 30 | Georgia | - | 1 | 2 | - | 1 | 2 | - | 2 | 4 | - | 0.0% | 0.0% |
| 31 | Idaho | - | 2 | 4 | - | - | - | - | 2 | 4 | - | 0.0% | 0.0% |
| 32 | Arizona | - | - | - | 216 | - | - | 216 | - | - | 1.1% | - | - |
| 33 | Mississippi | - | - | - | 698 | - | - | 698 | - | - | 3.6% | - | - |
| U.S. Total | | 7,542 | 147,079 | 328,410 | 11,810 | 108,676 | 150,005 | 19,351 | 255,755 | 478,415 | | | |

w = Withheld to avoid disclosure of individual company data

Source: [EIA, Annual Coal Report](#)

Note: Recoverable coal reserves at producing mines represent the quantity of coal that can be removed from existing coal reserves at reporting mines. Estimated recoverable reserves include the coal in the demonstrated reserve base considered recoverable after excluding coal estimated to be unavailable due to land use restrictions or currently economically unattractive for mining, and after applying assumed mining recovery rates. The demonstrated reserve base includes publicly available data on coal mapped to measured and indicated degrees of accuracy and found at depths and in coalbed thicknesses considered technologically minable at the time of determinations.

Table 2.2 Recoverable Coal Reserves at Producing Mines, Estimated Recoverable Reserves and Demonstrated Reserve Base by State and Mining Method, 2013
Million Short Tons

| Rank | State | Underground | | | Surface | | | Total | | | Percent of Total | | |
|--------------------------------|----------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|
| (by demonstrated reserve base) | | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base |
| 1 | Montana | 252 | 35,897 | 70,907 | 599 | 38,704 | 47,885 | 851 | 74,600 | 118,792 | 4.3% | 29.1% | 24.8% |
| 2 | Illinois | 2,509 | 27,762 | 87,400 | 43 | 10,039 | 16,495 | 2,552 | 37,802 | 103,895 | 12.9% | 14.7% | 21.6% |
| 3 | Wyoming | 38 | 22,922 | 42,447 | 7,443 | 14,090 | 17,015 | 7,481 | 37,011 | 59,463 | 37.9% | 14.4% | 12.4% |
| 4 | West Virginia | 1,245 | 14,862 | 27,846 | 486 | 2,037 | 3,228 | 1,732 | 16,898 | 31,074 | 8.8% | 6.6% | 6.5% |
| 5 | Kentucky | 870 | 6,895 | 16,021 | 184 | 7,247 | 12,551 | 1,054 | 14,143 | 28,571 | 5.3% | 5.5% | 6.0% |
| 6 | Pennsylvania | 377 | 10,292 | 22,438 | 183 | 979 | 4,144 | 559 | 11,271 | 26,582 | 2.8% | 4.4% | 5.5% |
| 7 | Ohio | 348 | 7,598 | 17,271 | 53 | 3,711 | 5,669 | 401 | 11,309 | 22,940 | 2.0% | 4.4% | 4.8% |
| 8 | Colorado | 244 | 5,788 | 11,029 | 127 | 3,743 | 4,758 | 371 | 9,531 | 15,787 | 1.9% | 3.7% | 3.3% |
| 9 | Texas | - | - | - | 704 | 9,211 | 11,966 | 704 | 9,211 | 11,966 | 3.6% | 3.6% | 2.5% |
| 10 | New Mexico | 25 | 2,758 | 6,061 | 316 | 4,060 | 5,799 | 342 | 6,818 | 11,860 | 1.7% | 2.7% | 2.5% |
| 11 | Indiana | 306 | 3,530 | 8,522 | 350 | 302 | 516 | 656 | 3,832 | 9,039 | 3.3% | 1.5% | 1.9% |
| 12 | North Dakota | - | - | - | 1,087 | 6,685 | 8,763 | 1,087 | 6,685 | 8,763 | 5.5% | 2.6% | 1.8% |
| 13 | Alaska | - | 2,335 | 5,423 | 54 | 485 | 670 | 54 | 2,820 | 6,092 | 0.3% | 1.1% | 1.3% |
| 14 | Missouri | - | 689 | 1,479 | 1 | 3,155 | 4,506 | 1 | 3,844 | 5,985 | 0.0% | 1.5% | 1.2% |
| 15 | Utah | 154 | 2,349 | 4,792 | 3 | 210 | 266 | 157 | 2,560 | 5,058 | 0.8% | 1.0% | 1.1% |
| 16 | Alabama | 337 | 412 | 817 | 47 | 2,225 | 3,124 | 383 | 2,637 | 3,940 | 1.9% | 1.0% | 0.8% |
| 17 | Iowa | - | 807 | 1,732 | - | 320 | 457 | - | 1,127 | 2,189 | - | 0.4% | 0.5% |
| 18 | Oklahoma | 8 | 570 | 1,224 | 1 | 220 | 314 | 9 | 790 | 1,539 | 0.0% | 0.3% | 0.3% |
| 19 | Virginia | 203 | 503 | 896 | 57 | 309 | 482 | 261 | 812 | 1,378 | 1.3% | 0.3% | 0.3% |
| 20 | Washington | - | 674 | 1,332 | - | 6 | 8 | - | 681 | 1,340 | - | 0.3% | 0.3% |
| 21 | Kansas | - | - | - | - | 680 | 971 | - | 680 | 971 | - | 0.3% | 0.2% |
| 22 | Tennessee | 2 | 273 | 498 | 1 | 171 | 252 | 3 | 444 | 751 | 0.0% | 0.2% | 0.2% |
| 23 | Maryland | 15 | 308 | 562 | 7 | 32 | 47 | 21 | 340 | 609 | 0.1% | 0.1% | 0.1% |
| 24 | Arkansas | 25 | 127 | 272 | - | 101 | 144 | 25 | 228 | 416 | 0.1% | 0.1% | 0.1% |
| 25 | Louisiana | - | - | - | 115 | 285 | 385 | 115 | 285 | 385 | 0.6% | 0.1% | 0.1% |
| 26 | South Dakota | - | - | - | - | 277 | 366 | - | 277 | 366 | - | 0.1% | 0.1% |
| 27 | Michigan | - | 55 | 123 | - | 3 | 5 | - | 58 | 128 | - | 0.0% | 0.0% |
| 28 | Oregon | - | 6 | 15 | - | 2 | 3 | - | 9 | 17 | - | 0.0% | 0.0% |
| 29 | North Carolina | - | 5 | 11 | - | - | - | - | 5 | 11 | - | 0.0% | 0.0% |
| 30 | Idaho | - | 2 | 4 | - | - | - | - | 2 | 4 | - | 0.0% | 0.0% |
| 31 | Georgia | - | 1 | 2 | - | 1 | 2 | - | 2 | 4 | - | 0.0% | 0.0% |
| 32 | Mississippi | - | - | - | 701 | - | - | 701 | - | - | 3.6% | - | - |
| 33 | Arizona | - | - | - | 224 | - | - | 224 | - | - | 1.1% | - | - |
| U.S. Total | | 6,959 | 147,420 | 329,125 | 12,786 | 109,289 | 150,789 | 19,745 | 256,709 | 479,914 | | | |

w = Withheld to avoid disclosure of individual company data

Source: [EIA, Annual Coal Report](#)

Note: Recoverable coal reserves at producing mines represent the quantity of coal that can be removed from existing coal reserves at reporting mines. Estimated recoverable reserves include the coal in the demonstrated reserve base considered recoverable after excluding coal estimated to be unavailable due to land use restrictions or currently economically unattractive for mining, and after applying assumed mining recovery rates. The demonstrated reserve base includes publicly available data on coal mapped to measured and indicated degrees of accuracy and found at depths and in coalbed thicknesses considered technologically minable at the time of determinations.

Table 2.2 **Recoverable Coal Reserves at Producing Mines, Estimated Recoverable Reserves and Demonstrated Reserve Base by State and Mining Method, 2012**
Million Short Tons

| Rank | State | Underground | | | Surface | | | Total | | | Percent of Total | | |
|--------------------------------|----------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|
| (by demonstrated reserve base) | | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base |
| 1 | Montana | w | 35,906 | 70,925 | w | 38,738 | 47,927 | 960 | 74,644 | 118,851 | 5.1% | 29.0% | 24.7% |
| 2 | Illinois | w | 27,792 | 87,493 | w | 10,044 | 16,502 | 2,215 | 37,835 | 103,995 | 11.9% | 14.7% | 21.6% |
| 3 | Wyoming | w | 22,926 | 42,456 | w | 14,487 | 17,495 | 6,932 | 37,413 | 59,951 | 37.1% | 14.5% | 12.5% |
| 4 | West Virginia | 1,337 | 14,949 | 28,010 | 505 | 2,064 | 3,271 | 1,842 | 17,013 | 31,281 | 9.9% | 6.6% | 6.5% |
| 5 | Kentucky | 1,071 | 6,947 | 16,130 | 192 | 7,266 | 12,583 | 1,263 | 14,213 | 28,713 | 6.8% | 5.5% | 6.0% |
| 6 | Pennsylvania | 355 | 10,337 | 22,522 | 199 | 985 | 4,155 | 554 | 11,322 | 26,677 | 3.0% | 4.4% | 5.5% |
| 7 | Ohio | w | 7,614 | 17,306 | w | 3,717 | 5,679 | 235 | 11,331 | 22,985 | 1.3% | 4.4% | 4.8% |
| 8 | Colorado | w | 5,811 | 11,073 | w | 3,744 | 4,759 | 300 | 9,555 | 15,832 | 1.6% | 3.7% | 3.3% |
| 9 | Texas | - | - | - | 751 | 9,252 | 12,019 | 751 | 9,252 | 12,019 | 4.0% | 3.6% | 2.5% |
| 10 | New Mexico | w | 2,763 | 6,073 | w | 4,075 | 5,819 | 497 | 6,838 | 11,892 | 2.7% | 2.7% | 2.5% |
| 11 | Indiana | 252 | 3,544 | 8,556 | 348 | 318 | 544 | 600 | 3,862 | 9,100 | 3.2% | 1.5% | 1.9% |
| 12 | North Dakota | - | - | - | 1,128 | 6,711 | 8,797 | 1,128 | 6,711 | 8,797 | 6.0% | 2.6% | 1.8% |
| 13 | Alaska | - | 2,335 | 5,423 | w | 487 | 672 | w | 2,821 | 6,094 | - | 1.1% | 1.3% |
| 14 | Missouri | - | 689 | 1,479 | w | 3,155 | 4,507 | w | 3,844 | 5,986 | - | 1.5% | 1.2% |
| 15 | Utah | w | 2,365 | 4,825 | w | 211 | 267 | 199 | 2,576 | 5,091 | 1.1% | 1.0% | 1.1% |
| 16 | Alabama | 209 | 425 | 844 | 56 | 2,230 | 3,130 | 265 | 2,655 | 3,974 | 1.4% | 1.0% | 0.8% |
| 17 | Iowa | - | 807 | 1,732 | - | 320 | 457 | - | 1,127 | 2,189 | - | 0.4% | 0.5% |
| 18 | Oklahoma | w | 571 | 1,225 | w | 221 | 315 | 11 | 791 | 1,540 | 0.1% | 0.3% | 0.3% |
| 19 | Virginia | 234 | 517 | 920 | 49 | 312 | 488 | 283 | 829 | 1,408 | 1.5% | 0.3% | 0.3% |
| 20 | Washington | - | 674 | 1,332 | - | 6 | 8 | - | 681 | 1,340 | - | 0.3% | 0.3% |
| 21 | Kansas | - | - | - | - | 680 | 971 | - | 680 | 971 | - | 0.3% | 0.2% |
| 22 | Tennessee | w | 274 | 500 | w | 171 | 253 | 4 | 445 | 753 | 0.0% | 0.2% | 0.2% |
| 23 | Maryland | w | 309 | 564 | w | 33 | 48 | 34 | 342 | 612 | 0.2% | 0.1% | 0.1% |
| 24 | Arkansas | w | 127 | 272 | - | 101 | 144 | w | 228 | 416 | - | 0.1% | 0.1% |
| 25 | Louisiana | - | - | - | w | 288 | 388 | w | 288 | 388 | - | 0.1% | 0.1% |
| 26 | South Dakota | - | - | - | - | 277 | 366 | - | 277 | 366 | - | 0.1% | 0.1% |
| 27 | Michigan | - | 55 | 123 | - | 3 | 5 | - | 58 | 128 | - | 0.0% | 0.0% |
| 28 | Oregon | - | 6 | 15 | - | 2 | 3 | - | 9 | 17 | - | 0.0% | 0.0% |
| 29 | North Carolina | - | 5 | 11 | - | - | - | - | 5 | 11 | - | 0.0% | 0.0% |
| 30 | Idaho | - | 2 | 4 | - | - | - | - | 2 | 4 | - | 0.0% | 0.0% |
| 31 | Georgia | - | 1 | 2 | - | 1 | 2 | - | 2 | 4 | - | 0.0% | 0.0% |
| 32 | Mississippi | - | - | - | w | - | - | w | - | - | - | - | - |
| 33 | Arizona | - | - | - | w | - | - | w | - | - | - | - | - |
| U.S. Total | | 6,656 | 147,750 | 329,814 | 12,008 | 109,898 | 151,571 | 18,664 | 257,648 | 481,385 | | | |

w = Withheld to avoid disclosure of individual company data

Source: [EIA, Annual Coal Report](#)

Note: Recoverable coal reserves at producing mines represent the quantity of coal that can be removed from existing coal reserves at reporting mines. Estimated recoverable reserves include the coal in the demonstrated reserve base considered recoverable after excluding coal estimated to be unavailable due to land use restrictions or currently economically unattractive for mining, and after applying assumed mining recovery rates. The demonstrated reserve base includes publicly available data on coal mapped to measured and indicated degrees of accuracy and found at depths and in coalbed thicknesses considered technologically minable at the time of determinations.

Table 2.2 Recoverable Coal Reserves at Producing Mines, Estimated Recoverable Reserves and Demonstrated Reserve Base by State and Mining Method, 2011
Million Short Tons

| Rank | State | Underground | | | Surface | | | Total | | | Percent of Total | | |
|--------------------------------|----------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|
| (by demonstrated reserve base) | | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base |
| 1 | Montana | w | 35,911 | 70,936 | w | 38,770 | 47,965 | 846 | 74,681 | 118,901 | 4.4% | 28.9% | 24.6% |
| 2 | Illinois | w | 27,819 | 87,578 | w | 10,048 | 16,510 | 2,311 | 37,867 | 104,088 | 12.0% | 14.6% | 21.6% |
| 3 | Wyoming | w | 22,931 | 42,466 | w | 14,898 | 17,991 | 6,898 | 37,829 | 60,456 | 35.9% | 14.6% | 12.5% |
| 4 | West Virginia | 1,546 | 15,035 | 28,171 | 530 | 2,095 | 3,321 | 2,076 | 17,130 | 31,492 | 10.8% | 6.6% | 6.5% |
| 5 | Kentucky | 1,193 | 7,003 | 16,246 | 226 | 7,289 | 12,624 | 1,419 | 14,292 | 28,870 | 7.4% | 5.5% | 6.0% |
| 6 | Pennsylvania | 413 | 10,385 | 22,612 | 202 | 992 | 4,167 | 615 | 11,377 | 26,780 | 3.2% | 4.4% | 5.5% |
| 7 | Ohio | 197 | 7,630 | 17,342 | 61 | 3,724 | 5,689 | 258 | 11,354 | 23,031 | 1.3% | 4.4% | 4.8% |
| 8 | Colorado | w | 5,839 | 11,126 | w | 3,744 | 4,759 | 225 | 9,583 | 15,885 | 1.2% | 3.7% | 3.3% |
| 9 | Texas | - | - | - | 736 | 9,294 | 12,074 | 736 | 9,294 | 12,074 | 3.8% | 3.6% | 2.5% |
| 10 | New Mexico | w | 2,768 | 6,083 | w | 4,092 | 5,840 | 518 | 6,860 | 11,923 | 2.7% | 2.7% | 2.5% |
| 11 | Indiana | 310 | 3,556 | 8,587 | 343 | 334 | 570 | 654 | 3,890 | 9,158 | 3.4% | 1.5% | 1.9% |
| 12 | North Dakota | - | - | - | 1,183 | 6,737 | 8,832 | 1,183 | 6,737 | 8,832 | 6.2% | 2.6% | 1.8% |
| 13 | Alaska | - | 2,335 | 5,423 | w | 489 | 674 | w | 2,823 | 6,097 | - | 1.1% | 1.3% |
| 14 | Missouri | - | 689 | 1,479 | w | 3,155 | 4,507 | w | 3,845 | 5,986 | - | 1.5% | 1.2% |
| 15 | Utah | 201 | 2,381 | 4,857 | - | 212 | 268 | 201 | 2,593 | 5,125 | 1.0% | 1.0% | 1.1% |
| 16 | Alabama | 249 | 438 | 869 | 56 | 2,236 | 3,139 | 306 | 2,674 | 4,007 | 1.6% | 1.0% | 0.8% |
| 17 | Iowa | - | 807 | 1,732 | - | 320 | 457 | - | 1,127 | 2,189 | - | 0.4% | 0.5% |
| 18 | Oklahoma | w | 571 | 1,226 | w | 221 | 316 | 11 | 792 | 1,542 | 0.1% | 0.3% | 0.3% |
| 19 | Virginia | 299 | 531 | 945 | 49 | 318 | 496 | 348 | 848 | 1,441 | 1.8% | 0.3% | 0.3% |
| 20 | Washington | - | 674 | 1,332 | - | 6 | 8 | - | 681 | 1,340 | - | 0.3% | 0.3% |
| 21 | Kansas | - | - | - | w | 680 | 971 | w | 680 | 971 | - | 0.3% | 0.2% |
| 22 | Tennessee | w | 275 | 501 | w | 172 | 253 | 8 | 446 | 754 | 0.0% | 0.2% | 0.2% |
| 23 | Maryland | w | 310 | 565 | w | 34 | 50 | 36 | 344 | 615 | 0.2% | 0.1% | 0.1% |
| 24 | Arkansas | w | 127 | 272 | - | 101 | 144 | w | 228 | 416 | - | 0.1% | 0.1% |
| 25 | Louisiana | - | - | - | w | 291 | 393 | w | 291 | 393 | - | 0.1% | 0.1% |
| 26 | South Dakota | - | - | - | - | 277 | 366 | - | 277 | 366 | - | 0.1% | 0.1% |
| 27 | Michigan | - | 55 | 123 | - | 3 | 5 | - | 58 | 128 | - | 0.0% | 0.0% |
| 28 | Oregon | - | 6 | 15 | - | 2 | 3 | - | 9 | 17 | - | 0.0% | 0.0% |
| 29 | North Carolina | - | 5 | 11 | - | - | - | - | 5 | 11 | - | 0.0% | 0.0% |
| 30 | Idaho | - | 2 | 4 | - | - | - | - | 2 | 4 | - | 0.0% | 0.0% |
| 31 | Georgia | - | 1 | 2 | - | 1 | 2 | - | 2 | 4 | - | 0.0% | 0.0% |
| 32 | Mississippi | - | - | - | w | - | - | w | - | - | - | - | - |
| 33 | Arizona | - | - | - | w | - | - | w | - | - | - | - | - |
| U.S. Total | | 7,263 | 148,084 | 330,504 | 11,960 | 110,535 | 152,393 | 19,223 | 258,619 | 482,898 | | | |

w = Withheld to avoid disclosure of individual company data

Source: [EIA, Annual Coal Report](#)

Note: Recoverable coal reserves at producing mines represent the quantity of coal that can be removed from existing coal reserves at reporting mines. Estimated recoverable reserves include the coal in the demonstrated reserve base considered recoverable after excluding coal estimated to be unavailable due to land use restrictions or currently economically unattractive for mining, and after applying assumed mining recovery rates. The demonstrated reserve base includes publicly available data on coal mapped to measured and indicated degrees of accuracy and found at depths and in coalbed thicknesses considered technologically minable at the time of determinations.

Table 2.2 Recoverable Coal Reserves at Producing Mines, Estimated Recoverable Reserves and Demonstrated Reserve Base by State and Mining Method, 2010
Million Short Tons

| Rank | State | Underground | | | Surface | | | Total | | | Percent of Total | | |
|--------------------------------|----------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|
| (by demonstrated reserve base) | | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base |
| 1 | Montana | w | 35,917 | 70,946 | w | 38,808 | 48,012 | 894 | 74,724 | 118,958 | 5.0% | 28.8% | 24.6% |
| 2 | Illinois | 1,535 | 27,840 | 87,644 | 24 | 10,052 | 16,516 | 1,559 | 37,892 | 104,160 | 8.7% | 14.6% | 21.5% |
| 3 | Wyoming | w | 22,935 | 42,472 | w | 15,349 | 18,535 | 6,610 | 38,284 | 61,007 | 36.9% | 14.8% | 12.6% |
| 4 | West Virginia | 1,469 | 15,124 | 28,338 | 503 | 2,135 | 3,385 | 1,972 | 17,259 | 31,723 | 11.0% | 6.7% | 6.5% |
| 5 | Kentucky | 1,109 | 7,067 | 16,377 | 261 | 7,321 | 12,678 | 1,370 | 14,388 | 29,055 | 7.6% | 5.5% | 6.0% |
| 6 | Pennsylvania | 454 | 10,435 | 22,707 | 117 | 1,001 | 4,182 | 571 | 11,436 | 26,889 | 3.2% | 4.4% | 5.5% |
| 7 | Ohio | 194 | 7,646 | 17,380 | 74 | 3,731 | 5,700 | 268 | 11,378 | 23,080 | 1.5% | 4.4% | 4.8% |
| 8 | Colorado | w | 5,865 | 11,175 | w | 3,745 | 4,759 | 253 | 9,609 | 15,935 | 1.4% | 3.7% | 3.3% |
| 9 | Texas | - | - | - | 738 | 9,339 | 12,132 | 738 | 9,339 | 12,132 | 4.1% | 3.6% | 2.5% |
| 10 | New Mexico | w | 2,771 | 6,091 | w | 4,110 | 5,863 | 340 | 6,881 | 11,954 | 1.9% | 2.7% | 2.5% |
| 11 | Indiana | 309 | 3,570 | 8,620 | 363 | 349 | 597 | 672 | 3,919 | 9,217 | 3.7% | 1.5% | 1.9% |
| 12 | North Dakota | - | - | - | 1,229 | 6,764 | 8,867 | 1,229 | 6,764 | 8,867 | 6.9% | 2.6% | 1.8% |
| 13 | Alaska | - | 2,335 | 5,423 | w | 491 | 677 | w | 2,825 | 6,100 | - | 1.1% | 1.3% |
| 14 | Missouri | - | 689 | 1,479 | w | 3,156 | 4,508 | w | 3,845 | 5,987 | - | 1.5% | 1.2% |
| 15 | Utah | 210 | 2,401 | 4,897 | - | 212 | 268 | 210 | 2,612 | 5,164 | 1.2% | 1.0% | 1.1% |
| 16 | Alabama | 269 | 449 | 890 | 36 | 2,243 | 3,149 | 305 | 2,692 | 4,039 | 1.7% | 1.0% | 0.8% |
| 17 | Iowa | - | 807 | 1,732 | - | 320 | 457 | - | 1,127 | 2,189 | - | 0.4% | 0.5% |
| 18 | Oklahoma | w | 571 | 1,227 | w | 222 | 317 | 24 | 793 | 1,544 | 0.1% | 0.3% | 0.3% |
| 19 | Virginia | 281 | 548 | 976 | 56 | 171 | 505 | 337 | 719 | 1,481 | 1.9% | 0.3% | 0.3% |
| 20 | Washington | - | 674 | 1,332 | - | 6 | 8 | - | 681 | 1,340 | - | 0.3% | 0.3% |
| 21 | Kansas | - | - | - | w | 680 | 971 | w | 680 | 971 | - | 0.3% | 0.2% |
| 22 | Tennessee | w | 275 | 502 | w | 173 | 255 | 6 | 448 | 757 | 0.0% | 0.2% | 0.2% |
| 23 | Maryland | w | 311 | 567 | w | 36 | 53 | 16 | 346 | 620 | 0.1% | 0.1% | 0.1% |
| 24 | Arkansas | - | 127 | 272 | - | 101 | 144 | - | 228 | 416 | - | 0.1% | 0.1% |
| 25 | Louisiana | - | - | - | w | 295 | 398 | w | 295 | 398 | - | 0.1% | 0.1% |
| 26 | South Dakota | - | - | - | - | 277 | 366 | - | 277 | 366 | - | 0.1% | 0.1% |
| 27 | Michigan | - | 55 | 123 | - | 3 | 5 | - | 59 | 128 | - | 0.0% | 0.0% |
| 28 | Oregon | - | 6 | 15 | - | 2 | 3 | - | 9 | 17 | - | 0.0% | 0.0% |
| 29 | North Carolina | - | 5 | 11 | - | - | - | - | 5 | 11 | - | 0.0% | 0.0% |
| 30 | Idaho | - | 2 | 4 | - | - | - | - | 2 | 4 | - | 0.0% | 0.0% |
| 31 | Georgia | - | 1 | 2 | - | 1 | 2 | - | 2 | 4 | - | 0.0% | 0.0% |
| 32 | Mississippi | - | - | - | w | - | - | w | - | - | - | - | - |
| 33 | Arizona | - | - | - | w | - | - | w | - | - | - | - | - |
| U.S. Total | | 6,452 | 148,427 | 331,202 | 11,485 | 111,091 | 153,309 | 17,937 | 259,518 | 484,511 | | | |

w = Withheld to avoid disclosure of individual company data

Source: [EIA, Annual Coal Report](#)

Note: Recoverable coal reserves at producing mines represent the quantity of coal that can be removed from existing coal reserves at reporting mines. Estimated recoverable reserves include the coal in the demonstrated reserve base considered recoverable after excluding coal estimated to be unavailable due to land use restrictions or currently economically unattractive for mining, and after applying assumed mining recovery rates. The demonstrated reserve base includes publicly available data on coal mapped to measured and indicated degrees of accuracy and found at depths and in coalbed thicknesses considered technologically minable at the time of determinations.

Table 2.2 Recoverable Coal Reserves at Producing Mines, Estimated Recoverable Reserves and Demonstrated Reserve Base by State and Mining Method, 2009
Million Short Tons

| Rank | State | Underground | | | Surface | | | Total | | | Percent of Total | | |
|--------------------------------|----------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|
| (by demonstrated reserve base) | | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base |
| 1 | Montana | w | 35,921 | 70,955 | w | 38,849 | 48,062 | 855 | 74,770 | 119,017 | 4.9% | 28.7% | 24.5% |
| 2 | Illinois | 1,217 | 27,858 | 87,700 | 27 | 10,055 | 16,522 | 1,244 | 37,913 | 104,222 | 7.1% | 14.6% | 21.4% |
| 3 | Wyoming | w | 22,939 | 42,479 | w | 15,804 | 19,084 | 6,917 | 38,743 | 61,563 | 39.6% | 14.9% | 12.7% |
| 4 | West Virginia | 1,237 | 15,214 | 28,507 | 494 | 2,175 | 3,448 | 1,731 | 17,390 | 31,955 | 9.9% | 6.7% | 6.6% |
| 5 | Kentucky | 1,041 | 7,131 | 16,505 | 261 | 7,350 | 12,729 | 1,303 | 14,480 | 29,234 | 7.5% | 5.6% | 6.0% |
| 6 | Pennsylvania | 446 | 10,486 | 22,802 | 107 | 1,009 | 4,195 | 553 | 11,495 | 26,998 | 3.2% | 4.4% | 5.6% |
| 7 | Ohio | 210 | 7,662 | 17,415 | 81 | 3,739 | 5,712 | 291 | 11,401 | 23,127 | 1.7% | 4.4% | 4.8% |
| 8 | Colorado | w | 5,889 | 11,222 | w | 3,745 | 4,760 | 314 | 9,634 | 15,981 | 1.8% | 3.7% | 3.3% |
| 9 | Texas | - | - | - | 775 | 9,378 | 12,183 | 775 | 9,378 | 12,183 | 4.4% | 3.6% | 2.5% |
| 10 | New Mexico | w | 2,776 | 6,101 | w | 4,123 | 5,883 | 380 | 6,899 | 11,984 | 2.2% | 2.6% | 2.5% |
| 11 | Indiana | 304 | 3,582 | 8,649 | 98 | 364 | 623 | 403 | 3,946 | 9,271 | 2.3% | 1.5% | 1.9% |
| 12 | North Dakota | - | - | - | 1,208 | 6,792 | 8,903 | 1,208 | 6,792 | 8,903 | 6.9% | 2.6% | 1.8% |
| 13 | Alaska | - | 2,335 | 5,423 | w | 493 | 680 | w | 2,828 | 6,102 | - | 1.1% | 1.3% |
| 14 | Missouri | - | 689 | 1,479 | w | 3,156 | 4,508 | w | 3,845 | 5,988 | - | 1.5% | 1.2% |
| 15 | Utah | 201 | 2,419 | 4,935 | - | 212 | 268 | 201 | 2,631 | 5,203 | 1.2% | 1.0% | 1.1% |
| 16 | Alabama | 241 | 461 | 915 | 45 | 2,250 | 3,158 | 286 | 2,711 | 4,074 | 1.6% | 1.0% | 0.8% |
| 17 | Iowa | - | 807 | 1,732 | - | 320 | 457 | - | 1,127 | 2,189 | - | 0.4% | 0.5% |
| 18 | Oklahoma | w | 572 | 1,227 | w | 223 | 318 | 94 | 794 | 1,545 | 0.5% | 0.3% | 0.3% |
| 19 | Virginia | 253 | 564 | 1,004 | 42 | 171 | 515 | 296 | 735 | 1,519 | 1.7% | 0.3% | 0.3% |
| 20 | Washington | - | 674 | 1,332 | - | 6 | 8 | - | 681 | 1,340 | - | 0.3% | 0.3% |
| 21 | Kansas | - | - | - | w | 680 | 971 | w | 680 | 971 | - | 0.3% | 0.2% |
| 22 | Tennessee | w | 276 | 503 | w | 174 | 256 | 13 | 449 | 759 | 0.1% | 0.2% | 0.2% |
| 23 | Maryland | w | 312 | 568 | w | 37 | 55 | 20 | 349 | 623 | 0.1% | 0.1% | 0.1% |
| 24 | Arkansas | - | 127 | 272 | - | 101 | 144 | - | 228 | 416 | - | 0.1% | 0.1% |
| 25 | Louisiana | - | - | - | w | 299 | 403 | w | 299 | 403 | - | 0.1% | 0.1% |
| 26 | South Dakota | - | - | - | - | 277 | 366 | - | 277 | 366 | - | 0.1% | 0.1% |
| 27 | Michigan | - | 55 | 123 | - | 3 | 5 | - | 59 | 128 | - | 0.0% | 0.0% |
| 28 | Oregon | - | 6 | 15 | - | 2 | 3 | - | 9 | 17 | - | 0.0% | 0.0% |
| 29 | North Carolina | - | 5 | 11 | - | - | - | - | 5 | 11 | - | 0.0% | 0.0% |
| 30 | Idaho | - | 2 | 4 | - | - | - | - | 2 | 4 | - | 0.0% | 0.0% |
| 31 | Georgia | - | 1 | 2 | - | 1 | 2 | - | 2 | 4 | - | 0.0% | 0.0% |
| 32 | Mississippi | - | - | - | w | - | - | w | - | - | - | - | - |
| 33 | Arizona | - | - | - | w | - | - | w | - | - | - | - | - |
| U.S. Total | | 5,799 | 148,763 | 331,882 | 11,669 | 111,788 | 154,220 | 17,468 | 260,551 | 486,102 | | | |

w = Withheld to avoid disclosure of individual company data

Source: [EIA, Annual Coal Report](#)

Note: Recoverable coal reserves at producing mines represent the quantity of coal that can be removed from existing coal reserves at reporting mines. Estimated recoverable reserves include the coal in the demonstrated reserve base considered recoverable after excluding coal estimated to be unavailable due to land use restrictions or currently economically unattractive for mining, and after applying assumed mining recovery rates. The demonstrated reserve base includes publicly available data on coal mapped to measured and indicated degrees of accuracy and found at depths and in coalbed thicknesses considered technologically minable at the time of determinations.

Table 2.2 Recoverable Coal Reserves at Producing Mines, Estimated Recoverable Reserves and Demonstrated Reserve Base by State and Mining Method, 2008
Million Short Tons

| Rank | State | Underground | | | Surface | | | Total | | | Percent of Total | | |
|--------------------------------|----------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|
| (by demonstrated reserve base) | | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base |
| 1 | Montana | w | 35,922 | 70,957 | w | 38,889 | 48,110 | 925 | 74,810 | 119,067 | 5.2% | 28.6% | 24.4% |
| 2 | Illinois | 1,146 | 27,876 | 87,757 | 43 | 10,060 | 16,529 | 1,189 | 37,935 | 104,286 | 6.7% | 14.5% | 21.4% |
| 3 | Wyoming | w | 22,943 | 42,486 | w | 16,247 | 19,618 | 7,010 | 39,190 | 62,104 | 39.2% | 15.0% | 12.7% |
| 4 | West Virginia | 1,410 | 15,300 | 28,669 | 498 | 2,220 | 3,518 | 1,908 | 17,520 | 32,187 | 10.7% | 6.7% | 6.6% |
| 5 | Kentucky | 923 | 7,194 | 16,631 | 244 | 7,381 | 12,784 | 1,167 | 14,575 | 29,416 | 6.5% | 5.6% | 6.0% |
| 6 | Pennsylvania | 424 | 10,538 | 22,900 | 102 | 1,016 | 4,207 | 526 | 11,554 | 27,107 | 2.9% | 4.4% | 5.6% |
| 7 | Ohio | 221 | 7,677 | 17,450 | 86 | 3,747 | 5,725 | 308 | 11,424 | 23,174 | 1.7% | 4.4% | 4.8% |
| 8 | Colorado | w | 5,916 | 11,273 | w | 3,745 | 4,760 | 325 | 9,661 | 16,033 | 1.8% | 3.7% | 3.3% |
| 9 | Texas | - | - | - | 752 | 9,412 | 12,227 | 752 | 9,412 | 12,227 | 4.2% | 3.6% | 2.5% |
| 10 | New Mexico | w | 2,782 | 6,114 | w | 4,140 | 5,906 | 605 | 6,922 | 12,020 | 3.4% | 2.6% | 2.5% |
| 11 | Indiana | 298 | 3,593 | 8,674 | 123 | 381 | 651 | 421 | 3,973 | 9,325 | 2.4% | 1.5% | 1.9% |
| 12 | North Dakota | - | - | - | 1,225 | 6,821 | 8,941 | 1,225 | 6,821 | 8,941 | 6.9% | 2.6% | 1.8% |
| 13 | Alaska | - | 2,335 | 5,423 | w | 495 | 682 | w | 2,829 | 6,105 | - | 1.1% | 1.3% |
| 14 | Missouri | - | 689 | 1,479 | w | 3,157 | 4,509 | w | 3,846 | 5,988 | - | 1.5% | 1.2% |
| 15 | Utah | 212 | 2,441 | 4,979 | - | 212 | 268 | 212 | 2,652 | 5,246 | 1.2% | 1.0% | 1.1% |
| 16 | Alabama | 279 | 473 | 938 | 51 | 2,256 | 3,167 | 330 | 2,729 | 4,106 | 1.8% | 1.0% | 0.8% |
| 17 | Iowa | - | 807 | 1,732 | - | 320 | 457 | - | 1,127 | 2,189 | - | 0.4% | 0.4% |
| 18 | Virginia | 172 | 578 | 1,030 | 44 | 171 | 525 | 217 | 750 | 1,555 | 1.2% | 0.3% | 0.3% |
| 19 | Oklahoma | w | 572 | 1,228 | w | 223 | 319 | 85 | 795 | 1,547 | 0.5% | 0.3% | 0.3% |
| 20 | Washington | - | 674 | 1,332 | - | 6 | 8 | - | 681 | 1,340 | - | 0.3% | 0.3% |
| 21 | Kansas | - | - | - | w | 680 | 971 | w | 680 | 971 | - | 0.3% | 0.2% |
| 22 | Tennessee | 2 | 227 | 505 | 8 | 175 | 258 | 10 | 451 | 762 | 0.1% | 0.2% | 0.2% |
| 23 | Maryland | w | 312 | 569 | w | 39 | 57 | 22 | 351 | 627 | 0.1% | 0.1% | 0.1% |
| 24 | Arkansas | w | 127 | 272 | - | 101 | 144 | w | 228 | 416 | - | 0.1% | 0.1% |
| 25 | Louisiana | - | - | - | w | 302 | 408 | w | 302 | 408 | - | 0.1% | 0.1% |
| 26 | South Dakota | - | - | - | - | 277 | 366 | - | 277 | 366 | - | 0.1% | 0.1% |
| 27 | Michigan | - | 55 | 123 | - | 3 | 5 | - | 59 | 128 | - | 0.0% | 0.0% |
| 28 | Oregon | - | 6 | 15 | - | 2 | 3 | - | 9 | 17 | - | 0.0% | 0.0% |
| 29 | North Carolina | - | 5 | 11 | - | - | - | - | 5 | 11 | - | 0.0% | 0.0% |
| 30 | Idaho | - | 2 | 4 | - | - | - | - | 2 | 4 | - | 0.0% | 0.0% |
| 31 | Georgia | - | 1 | 2 | - | 1 | 2 | - | 2 | 4 | - | 0.0% | 0.0% |
| 32 | Mississippi | - | - | - | w | - | - | w | - | - | - | - | - |
| 33 | Arizona | - | - | - | w | - | - | w | - | - | - | - | - |
| U.S. Total | | 5,819 | 149,095 | 332,553 | 12,057 | 112,477 | 155,124 | 17,875 | 261,573 | 487,678 | | | |

w = Withheld to avoid disclosure of individual company data

Source: [EIA, Annual Coal Report](#)

Note: Recoverable coal reserves at producing mines represent the quantity of coal that can be removed from existing coal reserves at reporting mines. Estimated recoverable reserves include the coal in the demonstrated reserve base considered recoverable after excluding coal estimated to be unavailable due to land use restrictions or currently economically unattractive for mining, and after applying assumed mining recovery rates. The demonstrated reserve base includes publicly available data on coal mapped to measured and indicated degrees of accuracy and found at depths and in coalbed thicknesses considered technologically minable at the time of determinations.

Table 2.2 Recoverable Coal Reserves at Producing Mines, Estimated Recoverable Reserves and Demonstrated Reserve Base by State and Mining Method, 2007
Million Short Tons

| Rank | State | Underground | | | Surface | | | Total | | | Percent of Total | | |
|--------------------------------|----------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|
| (by demonstrated reserve base) | | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base |
| 1 | Montana | w | 35,922 | 70,957 | w | 38,934 | 48,166 | 1,251 | 74,856 | 119,123 | 6.7% | 28.5% | 24.3% |
| 2 | Illinois | 1,253 | 27,893 | 87,811 | 33 | 10,064 | 16,536 | 1,286 | 37,957 | 104,347 | 6.9% | 14.4% | 21.3% |
| 3 | Wyoming | w | 22,946 | 42,493 | w | 16,728 | 20,198 | 7,330 | 39,674 | 62,692 | 39.4% | 15.1% | 12.8% |
| 4 | West Virginia | 1,285 | 15,395 | 28,845 | 543 | 2,274 | 3,605 | 1,828 | 17,669 | 32,450 | 9.8% | 6.7% | 6.6% |
| 5 | Kentucky | 886 | 7,265 | 16,770 | 296 | 7,417 | 12,848 | 1,182 | 14,682 | 29,618 | 6.4% | 5.6% | 6.1% |
| 6 | Pennsylvania | 427 | 10,595 | 23,006 | 105 | 1,026 | 4,222 | 532 | 11,621 | 27,228 | 2.9% | 4.4% | 5.6% |
| 7 | Ohio | 230 | 7,692 | 17,484 | 103 | 3,755 | 5,736 | 333 | 11,447 | 23,220 | 1.8% | 4.4% | 4.7% |
| 8 | Colorado | w | 5,946 | 11,331 | w | 3,746 | 4,761 | 328 | 9,692 | 16,092 | 1.8% | 3.7% | 3.3% |
| 9 | Texas | - | - | - | 737 | 4,994 | 12,276 | 737 | 9,449 | 12,276 | 4.0% | 3.6% | 2.5% |
| 10 | New Mexico | w | 2,788 | 6,128 | w | 4,156 | 5,929 | 483 | 6,944 | 12,057 | 2.6% | 2.6% | 2.5% |
| 11 | Indiana | 272 | 3,603 | 8,699 | 129 | 398 | 681 | 401 | 4,001 | 9,379 | 2.2% | 1.5% | 1.9% |
| 12 | North Dakota | - | - | - | 1,252 | 6,849 | 8,978 | 1,252 | 6,849 | 8,978 | 6.7% | 2.6% | 1.8% |
| 13 | Alaska | - | 2,335 | 5,423 | w | 496 | 684 | w | 2,831 | 6,107 | - | 1.1% | 1.2% |
| 14 | Missouri | - | 689 | 1,479 | w | 3,157 | 4,509 | w | 3,846 | 5,988 | - | 1.5% | 1.2% |
| 15 | Utah | 211 | 2,465 | 5,028 | - | 212 | 268 | 211 | 2,676 | 5,295 | 1.1% | 1.0% | 1.1% |
| 16 | Alabama | 275 | 485 | 963 | 52 | 2,264 | 3,178 | 327 | 2,749 | 4,141 | 1.8% | 1.0% | 0.8% |
| 17 | Iowa | - | 807 | 1,732 | - | 320 | 457 | - | 1,127 | 2,189 | - | 0.4% | 0.4% |
| 18 | Virginia | 208 | 596 | 1,062 | 48 | 171 | 536 | 256 | 767 | 1,598 | 1.4% | 0.3% | 0.3% |
| 19 | Oklahoma | w | 573 | 1,229 | w | 224 | 320 | 155 | 797 | 1,549 | 0.8% | 0.3% | 0.3% |
| 20 | Washington | - | 674 | 1,332 | - | 6 | 8 | - | 681 | 1,340 | - | 0.3% | 0.3% |
| 21 | Kansas | - | - | - | w | 680 | 971 | w | 680 | 971 | - | 0.3% | 0.2% |
| 22 | Tennessee | 2 | 277 | 506 | 10 | 176 | 260 | 12 | 454 | 766 | 0.1% | 0.2% | 0.2% |
| 23 | Maryland | w | 313 | 571 | w | 41 | 60 | 24 | 354 | 631 | 0.1% | 0.1% | 0.1% |
| 24 | Arkansas | w | 127 | 272 | - | 101 | 144 | w | 228 | 417 | - | 0.1% | 0.1% |
| 25 | Louisiana | - | - | - | w | 306 | 412 | w | 306 | 412 | - | 0.1% | 0.1% |
| 26 | South Dakota | - | - | - | - | 277 | 366 | - | 277 | 366 | - | 0.1% | 0.1% |
| 27 | Michigan | - | 55 | 123 | - | 3 | 5 | - | 59 | 128 | - | 0.0% | 0.0% |
| 28 | Oregon | - | 6 | 15 | - | 2 | 3 | - | 9 | 17 | - | 0.0% | 0.0% |
| 29 | North Carolina | - | 5 | 11 | - | - | - | - | 5 | 11 | - | 0.0% | 0.0% |
| 30 | Idaho | - | 2 | 4 | - | - | - | - | 2 | 4 | - | 0.0% | 0.0% |
| 31 | Georgia | - | 1 | 2 | - | 1 | 2 | - | 2 | 4 | - | 0.0% | 0.0% |
| 32 | Mississippi | - | - | - | w | - | - | w | - | - | - | - | - |
| 33 | Arizona | - | - | - | w | - | - | w | - | - | - | - | - |
| U.S. Total | | 5,827 | 149,457 | 333,277 | 12,757 | 113,232 | 156,118 | 18,584 | 262,689 | 489,395 | | | |

w = Withheld to avoid disclosure of individual company data

Source: [EIA, Annual Coal Report](#)

Note: Recoverable coal reserves at producing mines represent the quantity of coal that can be removed from existing coal reserves at reporting mines. Estimated recoverable reserves include the coal in the demonstrated reserve base considered recoverable after excluding coal estimated to be unavailable due to land use restrictions or currently economically unattractive for mining, and after applying assumed mining recovery rates. The demonstrated reserve base includes publicly available data on coal mapped to measured and indicated degrees of accuracy and found at depths and in coalbed thicknesses considered technologically minable at the time of determinations.

Table 2.2 Recoverable Coal Reserves at Producing Mines, Estimated Recoverable Reserves and Demonstrated Reserve Base by State and Mining Method, 2006
Million Short Tons

| Rank | State | Underground | | | Surface | | | Total | | | Percent of Total | | |
|--------------------------------|----------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|
| (by demonstrated reserve base) | | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base |
| 1 | Montana | w | 35,922 | 70,957 | w | 38,979 | 48,220 | 1,211 | 74,901 | 119,177 | 6.4% | 28.4% | 24.3% |
| 2 | Illinois | 1,255 | 27,910 | 87,865 | 40 | 10,068 | 16,543 | 1,294 | 37,978 | 104,408 | 6.9% | 14.4% | 21.3% |
| 3 | Wyoming | w | 22,949 | 42,499 | w | 17,195 | 20,762 | 7,890 | 40,144 | 63,261 | 41.8% | 15.2% | 12.9% |
| 4 | West Virginia | 1,206 | 15,485 | 29,015 | 588 | 2,329 | 3,691 | 1,793 | 17,814 | 32,706 | 9.5% | 6.8% | 6.7% |
| 5 | Kentucky | 962 | 7,336 | 16,909 | 171 | 7,449 | 12,906 | 1,134 | 14,785 | 29,814 | 6.0% | 5.6% | 6.1% |
| 6 | Pennsylvania | 468 | 10,652 | 23,113 | 79 | 1,035 | 4,236 | 548 | 11,687 | 27,349 | 2.9% | 4.4% | 5.6% |
| 7 | Ohio | 192 | 7,706 | 17,515 | 99 | 3,760 | 5,745 | 291 | 11,466 | 23,260 | 1.5% | 4.3% | 4.7% |
| 8 | Colorado | w | 5,981 | 11,397 | w | 3,746 | 4,761 | 335 | 9,727 | 16,158 | 1.8% | 3.7% | 3.3% |
| 9 | Texas | - | - | - | 730 | 9,490 | 12,328 | 730 | 9,490 | 12,328 | 3.9% | 3.6% | 2.5% |
| 10 | New Mexico | w | 2,794 | 6,142 | w | 4,171 | 5,951 | 504 | 6,965 | 12,093 | 2.7% | 2.6% | 2.5% |
| 11 | Indiana | 249 | 3,611 | 8,720 | 135 | 416 | 711 | 384 | 4,027 | 9,431 | 2.0% | 1.5% | 1.9% |
| 12 | North Dakota | - | - | - | 1,145 | 6,877 | 9,015 | 1,145 | 6,877 | 9,015 | 6.1% | 2.6% | 1.8% |
| 13 | Alaska | - | 2,335 | 5,423 | w | 497 | 685 | w | 2,832 | 6,108 | - | 1.1% | 1.2% |
| 14 | Missouri | - | 689 | 1,479 | w | 3,157 | 4,510 | w | 3,846 | 5,989 | - | 1.5% | 1.2% |
| 15 | Utah | 243 | 2,488 | 5,076 | - | 212 | 268 | 243 | 2,700 | 5,344 | 1.3% | 1.0% | 1.1% |
| 16 | Alabama | 280 | 497 | 986 | 56 | 2,271 | 3,188 | 336 | 2,767 | 4,174 | 1.8% | 1.0% | 0.8% |
| 17 | Iowa | - | 807 | 1,732 | - | 320 | 457 | - | 1,127 | 2,189 | - | 0.4% | 0.4% |
| 18 | Virginia | 223 | 614 | 1,093 | 51 | 171 | 548 | 273 | 785 | 1,642 | 1.4% | 0.3% | 0.3% |
| 19 | Oklahoma | w | 573 | 1,230 | w | 225 | 321 | 23 | 798 | 1,551 | 0.1% | 0.3% | 0.3% |
| 20 | Washington | - | 674 | 1,332 | w | 6 | 8 | w | 681 | 1,340 | - | 0.3% | 0.3% |
| 21 | Kansas | - | - | - | w | 680 | 972 | w | 680 | 972 | - | 0.3% | 0.2% |
| 22 | Tennessee | 12 | 278 | 508 | 8 | 178 | 262 | 21 | 456 | 770 | 0.1% | 0.2% | 0.2% |
| 23 | Maryland | w | 314 | 572 | w | 42 | 62 | 28 | 356 | 634 | 0.1% | 0.1% | 0.1% |
| 24 | Arkansas | w | 127 | 272 | - | 101 | 144 | w | 228 | 417 | - | 0.1% | 0.1% |
| 25 | Louisiana | - | - | - | w | 309 | 416 | w | 309 | 416 | - | 0.1% | 0.1% |
| 26 | South Dakota | - | - | - | - | 277 | 366 | - | 277 | 366 | - | 0.1% | 0.1% |
| 27 | Michigan | - | 55 | 123 | - | 3 | 5 | - | 59 | 128 | - | 0.0% | 0.0% |
| 28 | Oregon | - | 6 | 15 | - | 2 | 3 | - | 9 | 17 | - | 0.0% | 0.0% |
| 29 | North Carolina | - | 5 | 11 | - | - | - | - | 5 | 11 | - | 0.0% | 0.0% |
| 30 | Idaho | - | 2 | 4 | - | - | - | - | 2 | 4 | - | 0.0% | 0.0% |
| 31 | Georgia | - | 1 | 2 | - | 1 | 2 | - | 2 | 4 | - | 0.0% | 0.0% |
| 32 | Mississippi | - | - | - | w | - | - | w | - | - | - | - | - |
| 33 | Arizona | - | - | - | w | - | - | w | - | - | - | - | - |
| U.S. Total | | 5,897 | 149,814 | 333,991 | 12,983 | 113,967 | 157,085 | 18,880 | 263,781 | 491,076 | | | |

w = Withheld to avoid disclosure of individual company data

Source: [EIA, Annual Coal Report](#)

Note: Recoverable coal reserves at producing mines represent the quantity of coal that can be removed from existing coal reserves at reporting mines. Estimated recoverable reserves include the coal in the demonstrated reserve base considered recoverable after excluding coal estimated to be unavailable due to land use restrictions or currently economically unattractive for mining, and after applying assumed mining recovery rates. The demonstrated reserve base includes publicly available data on coal mapped to measured and indicated degrees of accuracy and found at depths and in coalbed thicknesses considered technologically minable at the time of determinations.

Table 2.2 Recoverable Coal Reserves at Producing Mines, Estimated Recoverable Reserves and Demonstrated Reserve Base by State and Mining Method, 2005
Million Short Tons

| Rank | State | Underground | | | Surface | | | Total | | | Percent of Total | | |
|--------------------------------|----------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|
| (by demonstrated reserve base) | | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base |
| 1 | Montana | w | 35,922 | 70,958 | w | 39,021 | 48,272 | 1,234 | 74,944 | 119,230 | 6.5% | 28.0% | 24.2% |
| 2 | Illinois | 708 | 27,927 | 87,919 | 40 | 10,073 | 16,550 | 747 | 38,000 | 104,469 | 3.9% | 14.2% | 21.2% |
| 3 | Wyoming | w | 22,950 | 42,500 | w | 17,657 | 21,319 | 7,975 | 40,607 | 63,819 | 42.1% | 15.2% | 12.9% |
| 4 | West Virginia | 1,179 | 15,576 | 29,184 | 562 | 2,382 | 3,775 | 1,741 | 17,958 | 32,960 | 9.2% | 6.7% | 6.7% |
| 5 | Kentucky | 965 | 7,411 | 17,055 | 204 | 7,483 | 12,965 | 1,169 | 14,894 | 30,020 | 6.2% | 5.6% | 6.1% |
| 6 | Pennsylvania | 520 | 10,710 | 23,221 | 96 | 1,044 | 4,251 | 616 | 11,754 | 27,472 | 3.3% | 4.4% | 5.6% |
| 7 | Ohio | 205 | 7,719 | 17,546 | 166 | 3,767 | 5,754 | 371 | 11,486 | 23,300 | 2.0% | 4.3% | 4.7% |
| 8 | Colorado | 338 | 6,015 | 11,461 | 44 | 3,747 | 4,762 | 382 | 9,761 | 16,223 | 2.0% | 3.6% | 3.3% |
| 9 | Texas | - | - | - | 772 | 9,534 | 12,385 | 772 | 9,534 | 12,385 | 4.1% | 3.6% | 2.5% |
| 10 | New Mexico | w | 2,801 | 6,156 | w | 4,188 | 5,975 | 526 | 6,988 | 12,131 | 2.8% | 2.6% | 2.5% |
| 11 | Indiana | 249 | 3,620 | 8,741 | 133 | 434 | 742 | 382 | 4,054 | 9,483 | 2.0% | 1.5% | 1.9% |
| 12 | North Dakota | - | - | - | 1,214 | 6,906 | 9,053 | 1,214 | 6,906 | 9,053 | 6.4% | 2.6% | 1.8% |
| 13 | Alaska | - | 2,335 | 5,423 | w | 499 | 687 | w | 2,834 | 6,110 | - | 1.1% | 1.2% |
| 14 | Missouri | - | 689 | 1,479 | w | 3,157 | 4,510 | w | 3,847 | 5,989 | - | 1.4% | 1.2% |
| 15 | Utah | 281 | 2,514 | 5,128 | - | 212 | 268 | 281 | 2,726 | 5,396 | 1.5% | 1.0% | 1.1% |
| 16 | Alabama | 306 | 508 | 1,007 | 50 | 2,278 | 3,198 | 355 | 2,785 | 4,205 | 1.9% | 1.0% | 0.9% |
| 17 | Iowa | - | 807 | 1,732 | - | 320 | 457 | - | 1,127 | 2,189 | - | 0.4% | 0.4% |
| 18 | Virginia | 235 | 2,949 | 1,130 | 59 | 171 | 562 | 294 | 3,121 | 1,693 | 1.6% | 1.2% | 0.3% |
| 19 | Oklahoma | w | 574 | 1,231 | w | 226 | 323 | 15 | 800 | 1,554 | 0.1% | 0.3% | 0.3% |
| 20 | Washington | - | 1,030 | 1,332 | w | 6 | 8 | w | 1,036 | 1,340 | - | 0.4% | 0.3% |
| 21 | Kansas | - | - | - | w | 681 | 972 | w | 681 | 972 | - | 0.3% | 0.2% |
| 22 | Tennessee | 8 | 280 | 510 | 11 | 179 | 264 | 19 | 459 | 774 | 0.1% | 0.2% | 0.2% |
| 23 | Maryland | w | 317 | 578 | w | 44 | 65 | 35 | 361 | 643 | 0.2% | 0.1% | 0.1% |
| 24 | Louisiana | - | - | - | w | 312 | 422 | w | 312 | 422 | - | 0.1% | 0.1% |
| 25 | Arkansas | - | 127 | 272 | - | 101 | 144 | - | 228 | 417 | - | 0.1% | 0.1% |
| 26 | South Dakota | - | - | - | - | 277 | 366 | - | 277 | 366 | - | 0.1% | 0.1% |
| 27 | Idaho | - | 2 | 160 | - | - | - | - | 2 | 160 | - | 0.0% | 0.0% |
| 28 | Michigan | - | 55 | 123 | - | 3 | 5 | - | 59 | 128 | - | 0.0% | 0.0% |
| 29 | Oregon | - | 6 | 15 | - | 2 | 3 | - | 9 | 17 | - | 0.0% | 0.0% |
| 30 | North Carolina | - | 5 | 11 | - | - | - | - | 5 | 11 | - | 0.0% | 0.0% |
| 31 | Georgia | - | 1 | 2 | - | 1 | 2 | - | 2 | 4 | - | 0.0% | 0.0% |
| 32 | Mississippi | - | - | - | w | - | - | w | - | - | - | - | - |
| 33 | Arizona | - | - | - | w | - | - | w | - | - | - | - | - |
| U.S. Total | | 5,502 | 152,850 | 334,876 | 13,442 | 114,705 | 158,059 | 18,944 | 267,554 | 492,935 | | | |

w = Withheld to avoid disclosure of individual company data

Source: [EIA, Annual Coal Report](#)

Note: Recoverable coal reserves at producing mines represent the quantity of coal that can be removed from existing coal reserves at reporting mines. Estimated recoverable reserves include the coal in the demonstrated reserve base considered recoverable after excluding coal estimated to be unavailable due to land use restrictions or currently economically unattractive for mining, and after applying assumed mining recovery rates. The demonstrated reserve base includes publicly available data on coal mapped to measured and indicated degrees of accuracy and found at depths and in coalbed thicknesses considered technologically minable at the time of determinations.

Table 2.2 Recoverable Coal Reserves at Producing Mines, Estimated Recoverable Reserves and Demonstrated Reserve Base by State and Mining Method, 2004
Million Short Tons

| Rank | State | Underground | | | Surface | | | Total | | | Percent of Total | | |
|--------------------------------|----------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|
| (by demonstrated reserve base) | | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base |
| 1 | Montana | w | 35,922 | 70,958 | w | 39,067 | 48,322 | 1,140 | 74,989 | 119,280 | 6.3% | 28.1% | 24.1% |
| 2 | Illinois | 760 | 27,944 | 87,972 | 36 | 10,075 | 16,557 | 796 | 38,019 | 104,529 | 4.4% | 14.2% | 21.1% |
| 3 | Wyoming | w | 22,950 | 42,501 | w | 18,853 | 21,824 | 7,053 | 41,804 | 64,325 | 38.9% | 15.6% | 13.0% |
| 4 | West Virginia | 1,136 | 15,673 | 29,366 | 382 | 2,431 | 3,854 | 1,518 | 18,104 | 33,220 | 8.4% | 6.8% | 6.7% |
| 5 | Kentucky | 948 | 7,488 | 17,202 | 181 | 7,516 | 13,023 | 1,129 | 15,004 | 30,225 | 6.2% | 5.6% | 6.1% |
| 6 | Pennsylvania | 521 | 10,768 | 23,330 | 93 | 1,055 | 4,267 | 614 | 11,822 | 27,597 | 3.4% | 4.4% | 5.6% |
| 7 | Ohio | 199 | 7,733 | 17,577 | 119 | 3,774 | 5,765 | 318 | 11,507 | 23,342 | 1.8% | 4.3% | 4.7% |
| 8 | Colorado | 362 | 6,050 | 11,529 | 53 | 3,748 | 4,764 | 415 | 9,798 | 16,293 | 2.3% | 3.7% | 3.3% |
| 9 | Texas | - | - | - | 546 | 9,578 | 12,442 | 546 | 9,578 | 12,442 | 3.0% | 3.6% | 2.5% |
| 10 | New Mexico | w | 2,848 | 6,171 | w | 4,086 | 6,001 | 1,304 | 6,934 | 12,172 | 7.2% | 2.6% | 2.5% |
| 11 | Indiana | 256 | 3,630 | 8,764 | 142 | 451 | 771 | 398 | 4,080 | 9,534 | 2.2% | 1.5% | 1.9% |
| 12 | North Dakota | - | - | - | 1,191 | 6,935 | 9,090 | 1,191 | 6,935 | 9,090 | 6.6% | 2.6% | 1.8% |
| 13 | Alaska | - | 2,745 | 5,423 | w | 545 | 689 | w | 3,291 | 6,112 | - | 1.2% | 1.2% |
| 14 | Missouri | - | 689 | 1,479 | w | 3,158 | 4,511 | w | 3,847 | 5,990 | - | 1.4% | 1.2% |
| 15 | Utah | 317 | 2,538 | 5,177 | - | 212 | 268 | 317 | 2,750 | 5,445 | 1.7% | 1.0% | 1.1% |
| 16 | Alabama | 308 | 521 | 1,034 | 33 | 2,285 | 3,208 | 341 | 2,806 | 4,242 | 1.9% | 1.0% | 0.9% |
| 17 | Iowa | - | 807 | 1,732 | - | 320 | 457 | - | 1,127 | 2,189 | - | 0.4% | 0.4% |
| 18 | Virginia | 200 | 653 | 1,163 | 50 | 369 | 576 | 250 | 1,022 | 1,740 | 1.4% | 0.4% | 0.4% |
| 19 | Oklahoma | w | 574 | 1,232 | w | 227 | 325 | 17 | 801 | 1,557 | 0.1% | 0.3% | 0.3% |
| 20 | Washington | - | 674 | 1,332 | w | 7 | 8 | w | 681 | 1,341 | - | 0.3% | 0.3% |
| 21 | Kansas | - | - | - | w | 681 | 973 | w | 681 | 973 | - | 0.3% | 0.2% |
| 22 | Tennessee | 7 | 281 | 513 | 19 | 180 | 266 | 26 | 462 | 779 | 0.1% | 0.2% | 0.2% |
| 23 | Maryland | w | 320 | 584 | w | 46 | 67 | 17 | 366 | 652 | 0.1% | 0.1% | 0.1% |
| 24 | Louisiana | - | - | - | w | 316 | 427 | w | 316 | 427 | - | 0.1% | 0.1% |
| 25 | Arkansas | - | 127 | 272 | - | 101 | 144 | - | 228 | 417 | - | 0.1% | 0.1% |
| 26 | South Dakota | - | - | - | - | 277 | 366 | - | 277 | 366 | - | 0.1% | 0.1% |
| 27 | Michigan | - | 55 | 123 | - | 3 | 5 | - | 59 | 128 | - | 0.0% | 0.0% |
| 28 | Oregon | - | 7 | 15 | - | 2 | 3 | - | 9 | 17 | - | 0.0% | 0.0% |
| 29 | North Carolina | - | 5 | 11 | - | - | - | - | 5 | 11 | - | 0.0% | 0.0% |
| 30 | Arizona | - | - | - | w | 5 | 7 | w | 5 | 7 | - | 0.0% | 0.0% |
| 31 | Idaho | - | 2 | 4 | - | - | - | - | 2 | 4 | - | 0.0% | 0.0% |
| 31 | Georgia | - | 1 | 2 | - | 1 | 2 | - | 2 | 4 | - | 0.0% | 0.0% |
| 33 | Mississippi | - | - | - | w | - | - | w | - | - | - | - | - |
| U.S. Total | | 5,339 | 151,007 | 335,468 | 12,783 | 116,305 | 158,982 | 18,122 | 267,312 | 494,450 | | | |

w = Withheld to avoid disclosure of individual company data

Source: [EIA, Annual Coal Report](#)

Note: Recoverable coal reserves at producing mines represent the quantity of coal that can be removed from existing coal reserves at reporting mines. Estimated recoverable reserves include the coal in the demonstrated reserve base considered recoverable after excluding coal estimated to be unavailable due to land use restrictions or currently economically unattractive for mining, and after applying assumed mining recovery rates. The demonstrated reserve base includes publicly available data on coal mapped to measured and indicated degrees of accuracy and found at depths and in coalbed thicknesses considered technologically minable at the time of determinations.

Table 2.2 Recoverable Coal Reserves at Producing Mines, Estimated Recoverable Reserves and Demonstrated Reserve Base by State and Mining Method, 2003
Million Short Tons

| Rank | State | Underground | | | Surface | | | Total | | | Percent of Total | | |
|--------------------------------|----------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|
| (by demonstrated reserve base) | | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base |
| 1 | Montana | w | 35,923 | 70,958 | w | 39,107 | 48,372 | 1,197 | 75,030 | 119,330 | 6.7% | 28.0% | 24.1% |
| 2 | Illinois | 873 | 27,961 | 88,025 | 40 | 10,079 | 16,563 | 913 | 38,040 | 104,589 | 5.1% | 14.2% | 21.1% |
| 3 | Wyoming | - | 22,950 | 42,501 | 6,707 | 19,282 | 22,320 | 6,707 | 42,232 | 64,821 | 37.4% | 15.7% | 13.1% |
| 4 | West Virginia | 1,153 | 15,770 | 29,548 | 343 | 2,476 | 3,925 | 1,497 | 18,246 | 33,473 | 8.3% | 6.8% | 6.7% |
| 5 | Kentucky | 796 | 7,563 | 17,346 | 198 | 7,546 | 13,076 | 994 | 15,109 | 30,422 | 5.5% | 5.6% | 6.1% |
| 6 | Pennsylvania | 439 | 10,825 | 23,437 | 97 | 1,065 | 4,283 | 536 | 11,889 | 27,719 | 3.0% | 4.4% | 5.6% |
| 7 | Ohio | 202 | 7,746 | 17,606 | 134 | 3,781 | 5,777 | 336 | 11,527 | 23,382 | 1.9% | 4.3% | 4.7% |
| 8 | Colorado | 360 | 6,087 | 11,599 | 67 | 3,750 | 4,766 | 427 | 9,837 | 16,365 | 2.4% | 3.7% | 3.3% |
| 9 | Texas | - | - | - | 623 | 9,622 | 12,500 | 623 | 9,622 | 12,500 | 3.5% | 3.6% | 2.5% |
| 10 | New Mexico | w | 2,855 | 6,187 | w | 4,103 | 6,025 | 1,351 | 6,958 | 12,212 | 7.5% | 2.6% | 2.5% |
| 11 | Indiana | 262 | 3,638 | 8,784 | 170 | 469 | 802 | 432 | 4,107 | 9,586 | 2.4% | 1.5% | 1.9% |
| 12 | North Dakota | - | - | - | 1,211 | 6,963 | 9,128 | 1,211 | 6,963 | 9,128 | 6.7% | 2.6% | 1.8% |
| 13 | Alaska | - | 2,745 | 5,423 | w | 547 | 691 | w | 3,292 | 6,114 | - | 1.2% | 1.2% |
| 14 | Missouri | - | 689 | 1,479 | w | 3,158 | 4,512 | w | 3,848 | 5,991 | - | 1.4% | 1.2% |
| 15 | Utah | w | 2,559 | 5,221 | w | 212 | 268 | 331 | 2,771 | 5,488 | 1.8% | 1.0% | 1.1% |
| 16 | Alabama | 283 | 537 | 1,066 | 25 | 2,290 | 3,215 | 308 | 2,828 | 4,282 | 1.7% | 1.1% | 0.9% |
| 17 | Iowa | - | 807 | 1,732 | - | 320 | 457 | - | 11,027 | 2,189 | - | 4.1% | 0.4% |
| 18 | Virginia | 192 | 676 | 1,204 | 34 | 378 | 590 | 226 | 1,054 | 1,794 | 1.3% | 0.4% | 0.4% |
| 19 | Oklahoma | w | 574 | 1,233 | w | 229 | 327 | 17 | 803 | 1,559 | 0.1% | 0.3% | 0.3% |
| 20 | Washington | - | 674 | 1,332 | w | 12 | 16 | w | 687 | 1,348 | - | 0.3% | 0.3% |
| 21 | Kansas | - | - | - | - | 681 | 973 | - | 681 | 973 | - | 0.3% | 0.2% |
| 22 | Tennessee | 4 | 282 | 515 | 18 | 182 | 269 | 22 | 464 | 783 | 0.1% | 0.2% | 0.2% |
| 23 | Maryland | w | 324 | 591 | w | 47 | 70 | 61 | 371 | 661 | 0.3% | 0.1% | 0.1% |
| 24 | Louisiana | - | - | - | w | 320 | 431 | w | 320 | 431 | - | 0.1% | 0.1% |
| 25 | Arkansas | - | 127 | 272 | - | 101 | 144 | - | 228 | 417 | - | 0.1% | 0.1% |
| 26 | South Dakota | - | - | - | - | 277 | 366 | - | 277 | 366 | - | 0.1% | 0.1% |
| 27 | Michigan | - | 55 | 123 | - | 3 | 5 | - | 59 | 128 | - | 0.0% | 0.0% |
| 28 | Arizona | - | - | - | w | 18 | 23 | w | 18 | 23 | - | 0.0% | 0.0% |
| 29 | North Carolina | - | 5 | 11 | - | - | - | - | 5 | 11 | - | 0.0% | 0.0% |
| 30 | Idaho | - | 2 | 4 | - | - | - | - | 2 | 4 | - | 0.0% | 0.0% |
| 30 | Georgia | - | 1 | 2 | - | 1 | 2 | - | 2 | 4 | - | 0.0% | 0.0% |
| 32 | Mississippi | - | - | - | w | - | - | w | - | - | - | - | - |
| U.S. Total | | 5,225 | 151,376 | 336,199 | 12,730 | 117,019 | 159,893 | 17,955 | 268,396 | 496,092 | | | |

w = Withheld to avoid disclosure of individual company data

Source: [EIA, Annual Coal Report](#)

Note: Recoverable coal reserves at producing mines represent the quantity of coal that can be removed from existing coal reserves at reporting mines. Estimated recoverable reserves include the coal in the demonstrated reserve base considered recoverable after excluding coal estimated to be unavailable due to land use restrictions or currently economically unattractive for mining, and after applying assumed mining recovery rates. The demonstrated reserve base includes publicly available data on coal mapped to measured and indicated degrees of accuracy and found at depths and in coalbed thicknesses considered technologically minable at the time of determinations.

Table 2.2 Recoverable Coal Reserves at Producing Mines, Estimated Recoverable Reserves and Demonstrated Reserve Base by State and Mining Method, 2002
Million Short Tons

| Rank | State | Underground | | | Surface | | | Total | | | Percent of Total | | |
|--------------------------------|----------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|
| (by demonstrated reserve base) | | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base |
| 1 | Montana | - | 35,923 | 70,958 | 1,115 | 39,145 | 48,418 | 1,115 | 75,067 | 119,377 | 6.1% | 27.9% | 24.0% |
| 2 | Illinois | 873 | 27,978 | 88,077 | 27 | 10,083 | 16,570 | 900 | 38,061 | 104,648 | 4.9% | 14.1% | 21.0% |
| 3 | Wyoming | - | 22,950 | 42,501 | 6,673 | 19,688 | 22,790 | 6,673 | 42,638 | 65,291 | 36.6% | 15.8% | 13.1% |
| 4 | West Virginia | 1,074 | 15,863 | 29,722 | 359 | 2,518 | 3,991 | 1,433 | 18,381 | 33,713 | 7.9% | 6.8% | 6.8% |
| 5 | Kentucky | 812 | 7,636 | 17,484 | 198 | 7,577 | 13,130 | 1,010 | 15,213 | 30,614 | 5.5% | 5.6% | 6.2% |
| 6 | Pennsylvania | 468 | 10,880 | 23,541 | 108 | 1,074 | 4,297 | 576 | 11,954 | 27,838 | 3.2% | 4.4% | 5.6% |
| 7 | Ohio | 214 | 7,757 | 17,631 | 141 | 3,789 | 5,788 | 356 | 11,546 | 23,419 | 2.0% | 4.3% | 4.7% |
| 8 | Colorado | 429 | 6,120 | 11,661 | 199 | 3,752 | 4,769 | 629 | 9,872 | 16,430 | 3.5% | 3.7% | 3.3% |
| 9 | Texas | - | - | - | 673 | 9,668 | 12,559 | 673 | 9,668 | 12,559 | 3.7% | 3.6% | 2.5% |
| 10 | New Mexico | w | 2,860 | 6,199 | w | 4,121 | 6,051 | 1,385 | 6,981 | 12,249 | 7.6% | 2.6% | 2.5% |
| 11 | Indiana | 223 | 3,645 | 8,801 | 158 | 488 | 835 | 381 | 4,134 | 9,637 | 2.1% | 1.5% | 1.9% |
| 12 | North Dakota | - | - | - | 1,211 | 6,993 | 9,166 | 1,211 | 6,993 | 9,166 | 6.6% | 2.6% | 1.8% |
| 13 | Alaska | - | 2,745 | 5,423 | w | 548 | 692 | w | 3,293 | 6,115 | - | 1.2% | 1.2% |
| 14 | Missouri | - | 689 | 1,479 | w | 3,159 | 4,512 | w | 3,848 | 5,991 | - | 1.4% | 1.2% |
| 15 | Utah | w | 2,582 | 5,267 | w | 212 | 268 | 356 | 2,794 | 5,534 | 2.0% | 1.0% | 1.1% |
| 16 | Alabama | 344 | 553 | 1,097 | 21 | 2,295 | 3,221 | 366 | 2,848 | 4,318 | 2.0% | 1.1% | 0.9% |
| 17 | Iowa | - | 807 | 1,732 | - | 320 | 457 | - | 1,127 | 2,189 | - | 0.4% | 0.4% |
| 18 | Virginia | 220 | 700 | 1,247 | 41 | 386 | 603 | 261 | 1,086 | 1,850 | 1.4% | 0.4% | 0.4% |
| 19 | Oklahoma | w | 575 | 1,233 | w | 230 | 328 | 18 | 804 | 1,562 | 0.1% | 0.3% | 0.3% |
| 20 | Washington | - | 674 | 1,332 | w | 18 | 23 | w | 693 | 1,356 | - | 0.3% | 0.3% |
| 21 | Kansas | - | - | - | w | 681 | 973 | w | 681 | 973 | - | 0.3% | 0.2% |
| 22 | Tennessee | 5 | 283 | 516 | 10 | 184 | 271 | 16 | 467 | 787 | 0.1% | 0.2% | 0.2% |
| 23 | Maryland | w | 327 | 597 | w | 49 | 72 | 65 | 376 | 669 | 0.4% | 0.1% | 0.1% |
| 24 | Louisiana | - | - | - | w | 323 | 437 | w | 323 | 437 | - | 0.1% | 0.1% |
| 25 | Arkansas | - | 127 | 272 | w | 101 | 144 | w | 228 | 417 | - | 0.1% | 0.1% |
| 26 | South Dakota | - | - | - | - | 277 | 366 | - | 277 | 366 | - | 0.1% | 0.1% |
| 27 | Michigan | - | 55 | 123 | - | 3 | 5 | - | 59 | 128 | - | 0.0% | 0.0% |
| 28 | Arizona | - | - | - | w | 30 | 38 | w | 30 | 38 | - | 0.0% | 0.0% |
| 29 | Oregon | - | 7 | 15 | - | 2 | 3 | - | 9 | 17 | - | 0.0% | 0.0% |
| 30 | North Carolina | - | 5 | 11 | - | - | - | - | 5 | 11 | - | 0.0% | 0.0% |
| 31 | Idaho | - | 2 | 4 | - | - | - | - | 2 | 4 | - | 0.0% | 0.0% |
| 31 | Georgia | - | 1 | 2 | - | 1 | 2 | - | 2 | 4 | - | 0.0% | 0.0% |
| U.S. Total | | 5,231 | 151,744 | 336,928 | 12,985 | 117,713 | 160,780 | 18,216 | 269,457 | 497,708 | | | |

w = Withheld to avoid disclosure of individual company data

Source: [EIA, Annual Coal Report](#)

Note: Recoverable coal reserves at producing mines represent the quantity of coal that can be removed from existing coal reserves at reporting mines. Estimated recoverable reserves include the coal in the demonstrated reserve base considered recoverable after excluding coal estimated to be unavailable due to land use restrictions or currently economically unattractive for mining, and after applying assumed mining recovery rates. The demonstrated reserve base includes publicly available data on coal mapped to measured and indicated degrees of accuracy and found at depths and in coalbed thicknesses considered technologically minable at the time of determinations.

Table 2.2 **Recoverable Coal Reserves at Producing Mines, Estimated Recoverable Reserves and Demonstrated Reserve Base by State and Mining Method, 2001**
Million Short Tons

| Rank | State | Underground | | | Surface | | | Total | | | Percent of Total | | |
|--------------------------------|----------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|---|--------------------------------|---------------------------|
| (by demonstrated reserve base) | | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base | Recoverable Reserves at Producing Mines | Estimated Recoverable Reserves | Demonstrated Reserve Base |
| 1 | Montana | - | 35,923 | 70,958 | 1,155 | 39,182 | 48,465 | 1,155 | 75,105 | 119,423 | 6.5% | 27.8% | 23.9% |
| 2 | Illinois | 787 | 27,995 | 88,131 | 32 | 10,088 | 16,578 | 819 | 38,083 | 104,710 | 4.6% | 14.1% | 21.0% |
| 3 | Wyoming | - | 22,950 | 42,501 | 6,100 | 20,091 | 23,257 | 6,100 | 43,041 | 65,758 | 34.3% | 15.9% | 13.2% |
| 4 | West Virginia | 1,158 | 15,956 | 29,898 | 343 | 2,567 | 4,069 | 1,502 | 18,523 | 33,966 | 8.4% | 6.8% | 6.8% |
| 5 | Kentucky | 812 | 7,715 | 17,635 | 275 | 7,611 | 13,191 | 1,087 | 15,326 | 30,826 | 6.1% | 5.7% | 6.2% |
| 6 | Pennsylvania | 456 | 10,940 | 23,652 | 101 | 1,084 | 4,312 | 558 | 12,024 | 27,965 | 3.1% | 4.4% | 5.6% |
| 7 | Ohio | 242 | 7,767 | 17,653 | 208 | 3,797 | 5,801 | 450 | 11,564 | 23,454 | 2.5% | 4.3% | 4.7% |
| 8 | Colorado | 353 | 6,151 | 11,721 | 209 | 3,754 | 4,771 | 562 | 9,905 | 16,493 | 3.2% | 3.7% | 3.3% |
| 9 | Texas | - | - | - | 724 | 9,711 | 12,616 | 724 | 9,711 | 12,616 | 4.1% | 3.6% | 2.5% |
| 10 | New Mexico | w | 2,862 | 6,202 | w | 4,144 | 6,085 | 1,404 | 7,006 | 12,287 | 7.9% | 2.6% | 2.5% |
| 11 | Indiana | 235 | 3,652 | 8,817 | 162 | 509 | 870 | 397 | 4,161 | 9,687 | 2.2% | 1.5% | 1.9% |
| 12 | North Dakota | - | - | - | 1,151 | 7,022 | 9,205 | 1,151 | 7,022 | 9,205 | 6.5% | 2.6% | 1.8% |
| 13 | Alaska | - | 2,745 | 5,423 | w | 549 | 694 | w | 3,294 | 6,117 | - | 1.2% | 1.2% |
| 14 | Missouri | - | 689 | 1,479 | w | 3,159 | 4,512 | w | 3,848 | 5,992 | - | 1.4% | 1.2% |
| 15 | Utah | 364 | 2,607 | 5,317 | - | 212 | 268 | 364 | 2,819 | 5,585 | 2.0% | 1.0% | 1.1% |
| 16 | Alabama | 327 | 568 | 1,127 | 24 | 2,298 | 3,226 | 352 | 2,866 | 4,353 | 2.0% | 1.1% | 0.9% |
| 17 | Iowa | - | 807 | 1,732 | - | 320 | 457 | - | 1,127 | 2,189 | - | 0.4% | 0.4% |
| 18 | Virginia | 206 | 723 | 1,288 | 34 | 394 | 615 | 240 | 1,117 | 1,902 | 1.3% | 0.4% | 0.4% |
| 19 | Oklahoma | w | 575 | 1,234 | w | 231 | 329 | 19 | 806 | 1,564 | 0.1% | 0.3% | 0.3% |
| 20 | Washington | - | 674 | 1,332 | w | 24 | 31 | w | 698 | 1,363 | - | 0.3% | 0.3% |
| 21 | Kansas | - | - | - | w | 681 | 973 | w | 681 | 973 | - | 0.3% | 0.2% |
| 22 | Tennessee | 10 | 284 | 518 | 14 | 186 | 274 | 24 | 470 | 792 | 0.1% | 0.2% | 0.2% |
| 23 | Maryland | w | 331 | 604 | w | 50 | 74 | 72 | 381 | 678 | 0.4% | 0.1% | 0.1% |
| 24 | Louisiana | - | - | - | w | 327 | 441 | w | 327 | 441 | - | 0.1% | 0.1% |
| 25 | Arkansas | - | 127 | 272 | - | 101 | 144 | - | 228 | 417 | - | 0.1% | 0.1% |
| 26 | South Dakota | - | - | - | - | 277 | 366 | - | 277 | 366 | - | 0.1% | 0.1% |
| 27 | Michigan | - | 55 | 123 | - | 3 | 5 | - | 58 | 128 | - | 0.0% | 0.0% |
| 28 | Arizona | - | 51 | 102 | w | - | - | w | 51 | 102 | - | 0.0% | 0.0% |
| 29 | Oregon | - | 7 | 15 | - | 2 | 3 | - | 9 | 18 | - | 0.0% | 0.0% |
| 30 | North Carolina | - | 5 | 11 | - | - | - | - | 5 | 11 | - | 0.0% | 0.0% |
| 31 | Idaho | - | 2 | 4 | - | - | - | - | 2 | 4 | - | 0.0% | 0.0% |
| 31 | Georgia | - | 1 | 2 | - | 1 | 2 | - | 2 | 4 | - | 0.0% | 0.0% |
| U.S. Total | | 5,172 | 152,162 | 337,751 | 12,629 | 118,375 | 161,634 | 17,801 | 270,537 | 499,389 | | | |

w = Withheld to avoid disclosure of individual company data

Source: [EIA, Annual Coal Report](#)

Note: Recoverable coal reserves at producing mines represent the quantity of coal that can be removed from existing coal reserves at reporting mines. Estimated recoverable reserves include the coal in the demonstrated reserve base considered recoverable after excluding coal estimated to be unavailable due to land use restrictions or currently economically unattractive for mining, and after applying assumed mining recovery rates. The demonstrated reserve base includes publicly available data on coal mapped to measured and indicated degrees of accuracy and found at depths and in coalbed thicknesses considered technologically minable at the time of determinations.