

Table 43. Average Quality of Coal Received at Manufacturing and Coke Plants by Census Division and State

| Census Division and State ¹ | July - September 2017 | April - June 2017 | July - September 2016 | Year to Date | | Percent Change |
|--|-----------------------|-------------------|-----------------------|--------------|--------|----------------|
| | | | | 2017 | 2016 | |
| New England | | | | | | |
| Btu | 12,660 | 12,610 | 12,633 | 12,604 | 12,634 | -0.2 |
| Sulfur | 0.75 | 0.80 | 0.81 | 0.80 | 0.84 | -4.1 |
| Ash | 7.81 | 7.76 | 8.33 | 8.22 | 8.35 | -1.5 |
| Maine | | | | | | |
| Btu | 12,714 | 12,714 | 12,619 | 12,674 | 12,619 | 0.4 |
| Sulfur | 0.67 | 0.67 | 0.79 | 0.72 | 0.79 | -8.8 |
| Ash | 7.11 | 7.11 | 8.31 | 7.61 | 8.31 | -8.4 |
| Massachusetts | | | | | | |
| Btu | 12,339 | 12,209 | 12,818 | 12,305 | 12,717 | -3.2 |
| Sulfur | 1.19 | 1.31 | 1.01 | 1.14 | 1.08 | 5.2 |
| Ash | 11.94 | 10.26 | 8.60 | 10.79 | 8.54 | 26.4 |
| Middle Atlantic | | | | | | |
| Btu | 13,852 | 13,851 | 13,578 | 13,827 | 13,684 | 1.0 |
| Sulfur | 1.12 | 1.19 | 1.08 | 1.14 | 1.06 | 7.4 |
| Ash | 8.75 | 8.49 | 8.94 | 8.68 | 8.05 | 7.9 |
| New York | | | | | | |
| Btu | 13,593 | 13,393 | 13,471 | 13,422 | 13,487 | -0.5 |
| Sulfur | 1.71 | 1.76 | 1.18 | 1.64 | 1.38 | 19.0 |
| Ash | 7.02 | 7.31 | 6.88 | 7.20 | 6.94 | 3.7 |
| Pennsylvania | | | | | | |
| Btu | 13,867 | 13,885 | 13,587 | 13,856 | 13,703 | 1.1 |
| Sulfur | 1.09 | 1.15 | 1.07 | 1.10 | 1.03 | 7.1 |
| Ash | 8.84 | 8.58 | 9.13 | 8.79 | 8.15 | 7.8 |
| East North Central | | | | | | |
| Btu | 13,270 | 13,193 | 13,155 | 13,184 | 13,139 | 0.3 |
| Sulfur | 1.95 | 1.16 | 1.15 | 1.44 | 1.22 | 17.6 |
| Ash | 6.55 | 7.38 | 7.32 | 7.06 | 7.28 | -3.1 |
| Illinois | | | | | | |
| Btu | 11,528 | 11,369 | 11,533 | 11,432 | 11,554 | -1.1 |
| Sulfur | 2.13 | 2.23 | 2.04 | 2.15 | 2.19 | -2.1 |
| Ash | 7.57 | 7.61 | 7.59 | 7.54 | 7.77 | -2.9 |
| Indiana | | | | | | |
| Btu | 13,936 | 13,931 | 13,867 | 13,967 | 13,938 | 0.2 |
| Sulfur | 0.88 | 0.89 | 0.91 | 0.88 | 0.90 | -3.1 |
| Ash | 7.45 | 7.53 | 7.37 | 7.40 | 7.16 | 3.3 |
| Michigan | | | | | | |
| Btu | 13,833 | 13,013 | 12,925 | 13,360 | 12,771 | 4.6 |
| Sulfur | 5.15 | 0.76 | 0.71 | 3.01 | 0.71 | 321.6 |
| Ash | 2.54 | 6.80 | 6.76 | 4.84 | 6.63 | -27.0 |
| Ohio | | | | | | |
| Btu | 14,104 | 14,135 | 14,068 | 14,094 | 13,915 | 1.3 |
| Sulfur | 1.03 | 0.98 | 1.04 | 0.99 | 1.10 | -10.1 |
| Ash | 7.31 | 7.31 | 7.34 | 7.29 | 7.37 | -1.2 |
| Wisconsin | | | | | | |
| Btu | 11,237 | 10,729 | 10,501 | 10,798 | 10,585 | 2.0 |
| Sulfur | 0.82 | 0.75 | 0.73 | 0.78 | 0.81 | -3.0 |
| Ash | 7.06 | 7.00 | 6.92 | 6.75 | 6.69 | 0.8 |
| West North Central | | | | | | |
| Btu | 8,483 | 8,331 | 8,358 | 8,360 | 8,242 | 1.4 |
| Sulfur | 0.89 | 0.89 | 0.89 | 0.87 | 0.90 | -2.7 |
| Ash | 6.33 | 6.31 | 6.17 | 6.26 | 6.19 | 1.1 |
| Iowa | | | | | | |
| Btu | 9,332 | 9,365 | 9,155 | 9,285 | 9,140 | 1.6 |
| Sulfur | 0.96 | 0.94 | 0.84 | 0.89 | 0.85 | 4.8 |
| Ash | 6.32 | 5.49 | 5.35 | 5.63 | 5.26 | 7.0 |
| Kansas | | | | | | |
| Btu | 10,986 | 10,964 | 11,182 | 10,893 | 10,943 | -0.5 |
| Sulfur | 1.65 | 1.75 | 2.76 | 1.74 | 2.08 | -16.4 |
| Ash | 11.05 | 9.78 | 12.37 | 10.21 | 11.65 | -12.4 |

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|--|-----------------------|-------------------|-----------------------|--------------|--------|----------------|
| | | | | 2017 | 2016 | |
| Minnesota | | | | | | |
| Btu | 9,232 | 9,037 | 9,278 | 9,203 | 9,307 | -1.1 |
| Sulfur | 0.33 | 0.32 | 0.35 | 0.33 | 0.35 | -6.3 |
| Ash | 4.43 | 4.60 | 4.32 | 4.49 | 4.20 | 6.7 |
| Missouri | | | | | | |
| Btu | 11,269 | 11,152 | 11,282 | 11,220 | 11,275 | -0.5 |
| Sulfur | 2.52 | 2.18 | 2.20 | 2.29 | 2.15 | 6.7 |
| Ash | 8.97 | 9.07 | 8.47 | 8.92 | 8.44 | 5.7 |
| Nebraska | | | | | | |
| Btu | 9,091 | 9,113 | 9,064 | 8,999 | 9,020 | -0.2 |
| Sulfur | 0.24 | 0.25 | 0.25 | 0.24 | 0.24 | -0.9 |
| Ash | 4.99 | 4.76 | 5.03 | 4.79 | 4.89 | -2.2 |
| North Dakota | | | | | | |
| Btu | 7,197 | 7,266 | 7,218 | 7,222 | 7,231 | -0.1 |
| Sulfur | 0.88 | 0.91 | 0.90 | 0.90 | 0.94 | -4.5 |
| Ash | 6.66 | 6.75 | 6.62 | 6.73 | 6.70 | 0.4 |
| South Dakota | | | | | | |
| Btu | 8,399 | 8,384 | 8,259 | 8,392 | 8,203 | 2.3 |
| Sulfur | 0.59 | 0.59 | 0.40 | 0.59 | 0.47 | 25.1 |
| Ash | 6.70 | 6.62 | 5.19 | 6.64 | 5.68 | 16.8 |
| South Atlantic | | | | | | |
| Btu | 13,369 | 13,308 | 13,257 | 13,370 | 13,271 | 0.7 |
| Sulfur | 1.23 | 1.17 | 1.19 | 1.17 | 1.17 | -0.7 |
| Ash | 9.79 | 9.94 | 9.58 | 9.65 | 9.14 | 5.6 |
| Delaware | | | | | | |
| Btu | - | - | 10,966 | - | 11,367 | - |
| Sulfur | - | - | 2.27 | - | 2.31 | - |
| Ash | - | - | 7.75 | - | 7.60 | - |
| Florida | | | | | | |
| Btu | 12,617 | 12,625 | 13,095 | 12,648 | 13,110 | -3.5 |
| Sulfur | 1.62 | 1.39 | 1.23 | 1.38 | 1.12 | 23.6 |
| Ash | 9.94 | 8.99 | 7.22 | 9.09 | 6.33 | 43.6 |
| Georgia | | | | | | |
| Btu | 12,287 | 12,374 | 12,920 | 12,402 | 12,925 | -4.0 |
| Sulfur | 0.97 | 1.03 | 0.95 | 0.98 | 0.98 | s |
| Ash | 11.61 | 10.41 | 8.64 | 10.73 | 8.69 | 23.5 |
| Maryland | | | | | | |
| Btu | 10,996 | 10,917 | 10,868 | 10,930 | 10,888 | 0.4 |
| Sulfur | 1.84 | 1.86 | 1.78 | 1.85 | 1.84 | 0.7 |
| Ash | 22.79 | 23.97 | 24.37 | 23.23 | 23.88 | -2.7 |
| North Carolina | | | | | | |
| Btu | 13,550 | 13,651 | 13,226 | 13,658 | 13,104 | 4.2 |
| Sulfur | 0.96 | 0.97 | 0.94 | 0.96 | 0.94 | 1.3 |
| Ash | 7.07 | 7.07 | 7.28 | 6.96 | 7.19 | -3.1 |
| South Carolina | | | | | | |
| Btu | 13,764 | 13,371 | 12,804 | 13,509 | 12,998 | 3.9 |
| Sulfur | 2.02 | 0.89 | 1.15 | 1.28 | 0.91 | 40.8 |
| Ash | 9.55 | 10.59 | 9.78 | 9.91 | 8.03 | 23.4 |
| Virginia | | | | | | |
| Btu | 14,198 | 14,158 | 14,061 | 14,169 | 14,017 | 1.1 |
| Sulfur | 0.82 | 0.84 | 0.96 | 0.87 | 1.04 | -16.0 |
| Ash | 7.07 | 7.07 | 7.05 | 7.10 | 7.19 | -1.2 |
| West Virginia | | | | | | |
| Btu | 14,089 | 14,134 | 14,018 | 14,127 | 13,894 | 1.7 |
| Sulfur | 1.31 | 1.33 | 1.30 | 1.26 | 1.21 | 3.8 |
| Ash | 7.00 | 7.13 | 7.70 | 6.99 | 7.79 | -10.3 |
| East South Central | | | | | | |
| Btu | 13,588 | 13,500 | 13,353 | 13,530 | 13,425 | 0.8 |
| Sulfur | 1.22 | 1.24 | 1.14 | 1.20 | 1.13 | 6.3 |
| Ash | 7.28 | 7.36 | 7.86 | 7.24 | 7.46 | -3.0 |
| Alabama | | | | | | |
| Btu | 13,861 | 13,890 | 13,615 | 13,889 | 13,713 | 1.3 |
| Sulfur | 1.05 | 1.16 | 0.99 | 1.06 | 0.97 | 8.8 |
| Ash | 7.17 | 7.43 | 8.22 | 7.18 | 7.70 | -6.8 |

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|--|-----------------------|-------------------|-----------------------|--------------|--------|----------------|
| | | | | 2017 | 2016 | |
| Kentucky | | | | | | |
| Btu | 13,499 | 12,966 | 13,040 | 13,196 | 13,146 | 0.4 |
| Sulfur | 1.10 | 0.97 | 1.14 | 1.02 | 1.12 | -9.1 |
| Ash | 8.36 | 7.51 | 7.48 | 7.57 | 7.18 | 5.4 |
| Tennessee | | | | | | |
| Btu | 13,277 | 13,236 | 13,204 | 13,221 | 13,191 | 0.2 |
| Sulfur | 1.48 | 1.50 | 1.30 | 1.49 | 1.32 | 13.0 |
| Ash | 6.92 | 7.16 | 7.63 | 7.15 | 7.29 | -1.9 |
| West South Central | | | | | | |
| Btu | 9,610 | 9,598 | 9,628 | 9,597 | 9,811 | -2.2 |
| Sulfur | 0.54 | 0.58 | 0.65 | 0.57 | 0.64 | -10.8 |
| Ash | 8.36 | 7.88 | 8.83 | 8.05 | 8.37 | -3.7 |
| Arkansas | | | | | | |
| Btu | 11,791 | 11,949 | 12,148 | 11,946 | 12,018 | -0.6 |
| Sulfur | 1.33 | 1.36 | 2.00 | 1.26 | 1.59 | -20.8 |
| Ash | 11.65 | 10.39 | 11.17 | 10.26 | 11.06 | -7.2 |
| Louisiana | | | | | | |
| Btu | 7,940 | 7,964 | 7,461 | 7,739 | 7,617 | 1.6 |
| Sulfur | 0.60 | 0.77 | 0.64 | 0.68 | 0.64 | 4.9 |
| Ash | 6.46 | 7.16 | 8.98 | 6.79 | 7.31 | -7.2 |
| Oklahoma | | | | | | |
| Btu | 9,059 | 9,428 | 9,606 | 9,241 | 9,528 | -3.0 |
| Sulfur | 0.25 | 0.32 | 0.37 | 0.28 | 0.37 | -25.8 |
| Ash | 4.82 | 4.64 | 5.15 | 4.69 | 5.23 | -10.2 |
| Texas | | | | | | |
| Btu | 10,025 | 9,569 | 9,996 | 9,824 | 10,344 | -5.0 |
| Sulfur | 0.53 | 0.50 | 0.54 | 0.52 | 0.55 | -4.7 |
| Ash | 10.26 | 10.00 | 10.69 | 10.28 | 10.38 | -0.9 |
| Mountain | | | | | | |
| Btu | 10,602 | 10,431 | 10,688 | 10,404 | 10,586 | -1.7 |
| Sulfur | 0.53 | 0.50 | 0.57 | 0.51 | 0.59 | -14.1 |
| Ash | 7.28 | 7.49 | 7.50 | 7.25 | 7.23 | 0.3 |
| Arizona | | | | | | |
| Btu | 11,598 | 11,589 | 11,497 | 11,614 | 11,628 | -0.1 |
| Sulfur | 0.63 | 0.60 | 0.62 | 0.61 | 0.71 | -14.6 |
| Ash | 11.51 | 11.48 | 12.08 | 11.28 | 11.49 | -1.8 |
| Colorado | | | | | | |
| Btu | 11,358 | 10,818 | 11,716 | 10,911 | 11,440 | -4.6 |
| Sulfur | 0.57 | 0.48 | 0.54 | 0.49 | 0.53 | -7.0 |
| Ash | 8.86 | 7.86 | 8.83 | 8.10 | 8.48 | -4.5 |
| Idaho | | | | | | |
| Btu | 11,633 | 11,227 | 11,595 | 11,354 | 11,329 | 0.2 |
| Sulfur | 0.55 | 0.51 | 0.53 | 0.52 | 0.55 | -5.3 |
| Ash | 10.57 | 11.70 | 12.16 | 11.07 | 10.92 | 1.4 |
| Montana | | | | | | |
| Btu | 9,510 | 9,858 | 9,596 | 9,204 | 9,143 | 0.7 |
| Sulfur | 0.37 | 0.43 | 0.34 | 0.38 | 0.36 | 7.0 |
| Ash | 5.42 | 5.16 | 4.78 | 5.42 | 4.97 | 9.0 |
| Nevada | | | | | | |
| Btu | 11,298 | 11,092 | 11,268 | 11,134 | 11,312 | -1.6 |
| Sulfur | 0.49 | 0.51 | 0.40 | 0.49 | 0.43 | 15.2 |
| Ash | 9.07 | 8.56 | 8.87 | 8.72 | 9.10 | -4.2 |
| New Mexico | | | | | | |
| Btu | 12,348 | 12,187 | 12,245 | 12,252 | 12,265 | -0.1 |
| Sulfur | 0.68 | 0.69 | 0.68 | 0.69 | 0.70 | -1.5 |
| Ash | 10.38 | 10.55 | 10.21 | 10.27 | 10.01 | 2.6 |
| Utah | | | | | | |
| Btu | 11,504 | 11,453 | 11,365 | 11,472 | 11,417 | 0.5 |
| Sulfur | 0.47 | 0.52 | 0.50 | 0.54 | 0.52 | 4.4 |
| Ash | 11.07 | 11.69 | 10.08 | 11.36 | 10.44 | 8.8 |
| Wyoming | | | | | | |
| Btu | 9,877 | 9,700 | 9,897 | 9,751 | 9,907 | -1.6 |
| Sulfur | 0.57 | 0.48 | 0.68 | 0.50 | 0.67 | -25.6 |
| Ash | 4.55 | 5.19 | 4.92 | 4.98 | 4.78 | 4.0 |

| Census Division and State ¹ | July - September 2017 | April - June 2017 | July - September 2016 | Year to Date | | Percent Change |
|---|--------------------------|----------------------|--------------------------|--------------|--------|-------------------|
| | | | | 2017 | 2016 | |
| Pacific | | | | | | |
| Btu | 11,410 | 11,470 | 11,429 | 11,382 | 11,426 | -0.4 |
| Sulfur | 0.60 | 0.59 | 0.59 | 0.57 | 0.60 | -3.8 |
| Ash | 11.49 | 11.10 | 10.69 | 11.26 | 10.35 | 8.8 |
| California | | | | | | |
| Btu | 11,489 | 11,592 | 11,543 | 11,496 | 11,573 | -0.7 |
| Sulfur | 0.61 | 0.61 | 0.60 | 0.59 | 0.62 | -4.9 |
| Ash | 11.80 | 11.50 | 11.07 | 11.66 | 10.78 | 8.1 |
| Oregon | | | | | | |
| Btu | 11,362 | - | 11,438 | 11,362 | 11,515 | -1.3 |
| Sulfur | 0.53 | - | 0.52 | 0.53 | 0.53 | 0.9 |
| Ash | 10.59 | - | 10.66 | 10.59 | 10.93 | -3.1 |
| Washington | | | | | | |
| Btu | 9,483 | 9,412 | 9,484 | 9,404 | 9,387 | 0.2 |
| Sulfur | 0.35 | 0.34 | 0.29 | 0.33 | 0.33 | 1.8 |
| Ash | 4.44 | 4.20 | 4.16 | 4.37 | 4.22 | 3.6 |
| U.S. Total | | | | | | |
| Btu | 11,760 | 11,856 | 11,825 | 11,752 | 11,766 | -0.1 |
| Sulfur | 1.26 | 1.03 | 1.01 | 1.10 | 1.03 | 6.5 |
| Ash | 7.36 | 7.63 | 7.69 | 7.47 | 7.44 | 0.4 |

¹ Quality units are Btu (per pound); sulfur (percent by weight); and ash (percent by weight).

- = No data reported.

s = Absolute percentage less than 0.05.

Source: U.S. Energy Information Administration (EIA), Form EIA-3, 'Quarterly Survey of Industrial, Commercial & Institutional Coal Users.' Prior to third quarter 2014, coke plant data was collected under Form EIA-5, 'Quarterly Coal Consumption and Quality Report - Coke Plants.'