

Table 44. Average Quality of Coal Received at Commercial and Institutional Users by Census Division and State

| Census Division and State ¹ | October - December 2017 | July - September 2017 | October - December 2016 | Year to Date | | Percent Change |
|----------------------------------------|-------------------------|-----------------------|-------------------------|--------------|--------|----------------|
| | | | | 2017 | 2016 | |
| Middle Atlantic | | | | | | |
| Btu | 13,107 | 14,814 | 13,049 | 13,107 | 13,069 | 0.3 |
| Sulfur | 0.78 | 1.00 | 0.74 | 0.77 | 0.83 | -7.3 |
| Ash | 7.31 | 5.83 | 8.19 | 8.13 | 8.26 | -1.7 |
| Pennsylvania | | | | | | |
| Btu | 13,107 | 14,814 | 13,049 | 13,107 | 13,069 | 0.3 |
| Sulfur | 0.78 | 1.00 | 0.74 | 0.77 | 0.83 | -7.3 |
| Ash | 7.31 | 5.83 | 8.19 | 8.13 | 8.26 | -1.7 |
| East North Central | | | | | | |
| Btu | 11,638 | 11,389 | 11,703 | 11,577 | 11,790 | -1.8 |
| Sulfur | 2.65 | 3.01 | 2.61 | 2.71 | 2.57 | 5.3 |
| Ash | 9.10 | 9.40 | 8.79 | 9.25 | 8.69 | 6.4 |
| Illinois | | | | | | |
| Btu | 11,533 | 11,464 | 11,168 | 11,342 | 11,216 | 1.1 |
| Sulfur | 3.23 | 3.14 | 3.15 | 3.19 | 3.21 | -0.6 |
| Ash | 9.37 | 9.67 | 9.51 | 9.57 | 9.44 | 1.4 |
| Indiana | | | | | | |
| Btu | 11,219 | 11,271 | 11,395 | 11,331 | 11,359 | -0.2 |
| Sulfur | 2.30 | 2.80 | 2.98 | 2.45 | 2.95 | -16.9 |
| Ash | 9.12 | 8.98 | 9.10 | 9.22 | 9.30 | -0.9 |
| Ohio | | | | | | |
| Btu | - | - | 13,392 | - | 13,507 | - |
| Sulfur | - | - | 0.86 | - | 0.88 | - |
| Ash | - | - | 5.77 | - | 5.70 | - |
| Wisconsin | | | | | | |
| Btu | 13,375 | - | 13,375 | 13,375 | 13,375 | s |
| Sulfur | 0.78 | - | 0.78 | 0.78 | 0.78 | s |
| Ash | 7.65 | - | 7.65 | 7.65 | 7.65 | s |
| West North Central | | | | | | |
| Btu | 10,331 | 11,401 | 10,574 | 10,624 | 10,663 | -0.4 |
| Sulfur | 1.88 | 2.67 | 2.24 | 2.11 | 2.16 | -2.4 |
| Ash | 8.69 | 8.70 | 8.89 | 8.63 | 8.71 | -1.0 |
| Iowa | | | | | | |
| Btu | 11,655 | 11,410 | 11,578 | 11,446 | 11,447 | s |
| Sulfur | 2.88 | 2.64 | 2.84 | 2.71 | 2.60 | 4.1 |
| Ash | 8.32 | 8.77 | 8.38 | 8.60 | 8.57 | 0.3 |
| Minnesota | | | | | | |
| Btu | 9,308 | 9,226 | 9,307 | 8,913 | 8,981 | -0.8 |
| Sulfur | 0.33 | 0.28 | 0.27 | 0.28 | 0.22 | 24.5 |
| Ash | 4.67 | 4.13 | 3.78 | 5.58 | 5.31 | 5.1 |
| Missouri | | | | | | |
| Btu | 11,405 | 11,415 | 11,332 | 11,407 | 11,333 | 0.7 |
| Sulfur | 3.00 | 2.95 | 3.07 | 2.99 | 3.03 | -1.2 |
| Ash | 8.66 | 8.31 | 8.31 | 8.50 | 8.48 | 0.3 |
| North Dakota | | | | | | |
| Btu | 8,671 | - | 8,464 | 8,672 | 8,569 | 1.2 |
| Sulfur | 0.60 | - | 0.60 | 0.61 | 0.64 | -5.6 |
| Ash | 9.35 | - | 10.53 | 9.21 | 9.75 | -5.6 |
| South Atlantic | | | | | | |
| Btu | 12,936 | 12,983 | 12,936 | 13,029 | 13,179 | -1.1 |
| Sulfur | 1.52 | 1.37 | 1.54 | 1.45 | 1.48 | -1.8 |
| Ash | 9.09 | 9.15 | 9.56 | 9.15 | 9.51 | -3.8 |
| District of Columbia | | | | | | |
| Btu | - | - | - | 13,156 | 13,260 | -0.8 |
| Sulfur | - | - | - | 0.58 | 0.51 | 13.7 |
| Ash | - | - | - | 6.85 | 6.64 | 3.2 |
| North Carolina | | | | | | |
| Btu | 12,892 | 13,113 | 12,955 | 13,072 | 13,200 | -1.0 |
| Sulfur | 1.85 | 1.50 | 1.74 | 1.65 | 1.63 | 1.1 |
| Ash | 9.87 | 9.02 | 9.77 | 9.48 | 8.87 | 6.8 |

| Census Division and State ¹ | October - December 2017 | July - September 2017 | October - December 2016 | Year to Date | | Percent Change |
|-------------------------------------------|----------------------------|--------------------------|----------------------------|--------------|--------|-------------------|
| | | | | 2017 | 2016 | |
| Virginia | | | | | | |
| Btu | 13,026 | 12,456 | 12,882 | 12,871 | 13,114 | -1.9 |
| Sulfur | 0.82 | 0.84 | 0.98 | 0.80 | 1.08 | -25.2 |
| Ash | 7.46 | 9.67 | 8.93 | 8.14 | 11.45 | -28.9 |
| East South Central | | | | | | |
| Btu | 13,293 | 12,857 | 12,871 | 13,109 | 13,205 | -0.7 |
| Sulfur | 0.78 | 0.77 | 0.79 | 0.77 | 0.71 | 8.9 |
| Ash | 6.66 | 6.51 | 7.12 | 6.12 | 6.03 | 1.6 |
| Kentucky | | | | | | |
| Btu | 13,293 | 12,857 | 12,871 | 13,109 | 13,205 | -0.7 |
| Sulfur | 0.78 | 0.77 | 0.79 | 0.77 | 0.71 | 8.9 |
| Ash | 6.66 | 6.51 | 7.12 | 6.12 | 6.03 | 1.6 |
| Mountain | | | | | | |
| Btu | 11,504 | 11,623 | 11,481 | 11,404 | 10,788 | 5.7 |
| Sulfur | 0.44 | 0.47 | 0.44 | 0.45 | 0.42 | 5.9 |
| Ash | 9.96 | 10.01 | 8.96 | 10.26 | 7.74 | 32.5 |
| Colorado | | | | | | |
| Btu | 11,881 | - | 11,924 | 11,783 | 11,924 | -1.2 |
| Sulfur | 0.45 | - | 0.31 | 0.45 | 0.31 | 45.2 |
| Ash | 10.66 | - | 8.86 | 10.67 | 8.86 | 20.4 |
| Montana | | | | | | |
| Btu | 10,511 | 10,500 | 10,800 | 10,480 | 11,193 | -6.4 |
| Sulfur | 0.37 | 0.49 | 0.48 | 0.43 | 0.46 | -6.2 |
| Ash | 6.94 | 7.11 | 7.07 | 7.02 | 7.59 | -7.5 |
| Wyoming | | | | | | |
| Btu | 11,676 | 11,768 | 11,520 | 11,537 | 10,497 | 9.9 |
| Sulfur | 0.46 | 0.47 | 0.48 | 0.45 | 0.44 | 3.5 |
| Ash | 10.53 | 10.39 | 9.57 | 10.78 | 7.57 | 42.3 |
| Pacific | | | | | | |
| Btu | 7,541 | 7,472 | 7,572 | 7,498 | 7,559 | -0.8 |
| Sulfur | 0.15 | 0.12 | 0.16 | 0.13 | 0.16 | -19.1 |
| Ash | 4.81 | 4.70 | 8.01 | 5.56 | 6.75 | -17.5 |
| Alaska | | | | | | |
| Btu | 7,541 | 7,472 | 7,572 | 7,498 | 7,559 | -0.8 |
| Sulfur | 0.15 | 0.12 | 0.16 | 0.13 | 0.16 | -19.1 |
| Ash | 4.81 | 4.70 | 8.01 | 5.56 | 6.75 | -17.5 |
| U.S. Total | | | | | | |
| Btu | 9,965 | 9,583 | 9,980 | 9,733 | 10,039 | -3.0 |
| Sulfur | 1.20 | 1.12 | 1.33 | 1.13 | 1.26 | -10.4 |
| Ash | 7.23 | 6.71 | 8.58 | 7.35 | 7.95 | -7.5 |

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.'