

**Table 44. Average quality of coal received at commercial and institutional users by census division and state**

Census division and state <sup>1</sup>	July - September 2018	April - June 2018	July - September 2017	Year to date		Percent change
				2018	2017	
<b>Middle Atlantic</b>						
Btu	-	12,402	14,814	12,915	13,112	-1.5
Sulfur	-	0.76	1.00	0.84	0.77	8.1
Ash	-	7.88	5.83	7.05	8.51	-17.2
<b>Pennsylvania</b>						
Btu	-	12,402	14,814	12,915	13,112	-1.5
Sulfur	-	0.76	1.00	0.84	0.77	8.1
Ash	-	7.88	5.83	7.05	8.51	-17.2
<b>East North Central</b>						
Btu	11,432	11,410	11,389	11,565	11,552	0.1
Sulfur	3.14	3.03	3.01	2.79	2.73	1.9
Ash	9.65	9.34	9.40	9.15	9.31	-1.7
<b>Illinois</b>						
Btu	11,520	11,442	11,464	11,400	11,273	1.1
Sulfur	3.32	3.19	3.14	3.18	3.17	0.3
Ash	10.02	9.60	9.67	9.49	9.64	-1.6
<b>Indiana</b>						
Btu	11,317	11,360	11,271	11,279	11,392	-1.0
Sulfur	2.90	2.78	2.80	2.66	2.54	4.8
Ash	9.17	8.95	8.98	8.99	9.27	-3.1
<b>Wisconsin</b>						
Btu	-	-	-	13,375	13,375	s
Sulfur	-	-	-	0.78	0.78	s
Ash	-	-	-	7.65	7.65	s
<b>West North Central</b>						
Btu	11,304	10,771	11,401	10,482	10,739	-2.4
Sulfur	2.29	1.98	2.67	1.90	2.19	-13.2
Ash	8.66	8.40	8.70	9.08	8.60	5.6
<b>Iowa</b>						
Btu	11,490	11,435	11,410	11,440	11,387	0.5
Sulfur	2.45	2.47	2.64	2.55	2.66	-4.4
Ash	8.73	8.36	8.77	8.62	8.67	-0.6
<b>Minnesota</b>						
Btu	-	9,086	9,226	9,265	8,827	5.0
Sulfur	-	0.38	0.28	0.37	0.27	38.0
Ash	-	4.18	4.13	4.48	5.78	-22.5
<b>Missouri</b>						
Btu	-	-	11,415	11,372	11,408	-0.3
Sulfur	-	-	2.95	3.13	2.99	4.7
Ash	-	-	8.31	8.69	8.45	2.9
<b>North Dakota</b>						
Btu	9,025	8,771	-	8,566	8,672	-1.2
Sulfur	0.34	0.53	-	0.56	0.62	-9.7
Ash	7.75	8.68	-	10.26	9.10	12.7
<b>South Atlantic</b>						
Btu	12,847	12,882	12,983	12,996	13,069	-0.6
Sulfur	1.65	1.80	1.37	1.67	1.42	17.9
Ash	9.97	9.08	9.15	9.10	9.17	-0.7
<b>District of Columbia</b>						
Btu	-	-	-	-	13,156	-
Sulfur	-	-	-	-	0.58	-
Ash	-	-	-	-	6.85	-
<b>North Carolina</b>						
Btu	12,951	12,857	13,113	12,919	13,137	-1.7
Sulfur	1.99	1.88	1.50	1.96	1.58	24.6
Ash	9.81	9.20	9.02	9.55	9.34	2.3
<b>Virginia</b>						

Census division and state <sup>1</sup>	July - September 2018	April - June 2018	July - September 2017	Year to date		Percent change
				2018	2017	
Btu	12,594	13,235	12,456	13,231	12,746	3.8
Sulfur	0.83	0.59	0.84	0.79	0.79	-0.6
Ash	10.36	7.31	9.67	7.75	8.69	-10.9
<b>East South Central</b>						
Btu	13,569	13,161	12,857	13,570	13,070	3.8
Sulfur	0.76	0.80	0.77	0.78	0.77	1.5
Ash	6.12	2.64	6.51	4.51	6.01	-24.9
<b>Kentucky</b>						
Btu	13,569	13,161	12,857	13,570	13,070	3.8
Sulfur	0.76	0.80	0.77	0.78	0.77	1.5
Ash	6.12	2.64	6.51	4.51	6.01	-24.9
<b>Mountain</b>						
Btu	11,259	10,782	11,623	11,422	11,343	0.7
Sulfur	0.46	0.36	0.47	0.44	0.45	-1.7
Ash	8.09	7.61	10.01	9.10	10.44	-12.9
<b>Colorado</b>						
Btu	-	-	-	-	11,447	-
Sulfur	-	-	-	-	0.45	-
Ash	-	-	-	-	10.69	-
<b>Montana</b>						
Btu	11,290	10,616	10,500	11,021	10,454	5.4
Sulfur	0.46	0.33	0.49	0.41	0.48	-14.7
Ash	7.81	7.16	7.11	7.63	7.08	7.8
<b>Wyoming</b>						
Btu	10,710	11,322	11,768	11,645	11,465	1.6
Sulfur	0.38	0.47	0.47	0.46	0.45	3.1
Ash	13.08	9.08	10.39	9.91	10.91	-9.1
<b>Pacific</b>						
Btu	7,448	7,668	7,472	7,552	7,485	0.9
Sulfur	0.18	0.17	0.12	0.15	0.12	24.9
Ash	7.50	7.81	4.70	6.75	5.78	16.7
<b>Alaska</b>						
Btu	7,448	7,668	7,472	7,552	7,485	0.9
Sulfur	0.18	0.17	0.12	0.15	0.12	24.9
Ash	7.50	7.81	4.70	6.75	5.78	16.7
<b>U.S. Total</b>						
Btu	9,542	9,328	9,583	9,617	9,652	-0.4
Sulfur	1.28	1.16	1.12	1.19	1.10	7.8
Ash	8.40	8.27	6.71	7.91	7.40	7.0

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.'