

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

Census division and state ¹	October - December 2018	July - September 2018	October - December 2017	Year to date		Percent change
				2018	2017	
Middle Atlantic						
Btu	12,777	-	13,107	12,890	13,111	-1.7
Sulfur	0.86	-	0.78	0.84	0.77	8.5
Ash	6.92	-	7.31	7.02	8.14	-13.7
Pennsylvania						
Btu	12,777	-	13,107	12,890	13,111	-1.7
Sulfur	0.86	-	0.78	0.84	0.77	8.5
Ash	6.92	-	7.31	7.02	8.14	-13.7
East North Central						
Btu	11,661	11,432	11,638	11,584	11,577	0.1
Sulfur	2.51	3.14	2.65	2.73	2.71	0.8
Ash	9.50	9.65	9.10	9.22	9.25	-0.3
Illinois						
Btu	11,360	11,520	11,533	11,392	11,342	0.4
Sulfur	3.34	3.32	3.23	3.21	3.19	0.8
Ash	9.99	10.02	9.37	9.59	9.57	0.2
Indiana						
Btu	11,319	11,317	11,219	11,286	11,331	-0.4
Sulfur	1.69	2.90	2.30	2.49	2.45	1.4
Ash	9.48	9.17	9.12	9.08	9.22	-1.6
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	10,380	11,304	10,331	10,450	10,624	-1.6
Sulfur	1.79	2.29	1.88	1.87	2.11	-11.3
Ash	8.41	8.66	8.69	8.87	8.63	2.8
Iowa						
Btu	11,788	11,490	11,655	11,525	11,446	0.7
Sulfur	2.71	2.45	2.88	2.59	2.71	-4.6
Ash	8.27	8.73	8.32	8.54	8.60	-0.7
Minnesota						
Btu	9,209	-	9,308	9,241	8,913	3.7
Sulfur	0.42	-	0.33	0.39	0.28	39.9
Ash	4.83	-	4.67	4.63	5.58	-17.1
Missouri						
Btu	11,290	-	11,405	11,327	11,407	-0.7
Sulfur	2.97	-	3.00	3.04	2.99	1.6
Ash	8.57	-	8.66	8.62	8.50	1.5
North Dakota						
Btu	8,716	9,025	8,671	8,623	8,672	-0.6
Sulfur	0.56	0.34	0.60	0.56	0.61	-8.4
Ash	8.71	7.75	9.35	9.68	9.21	5.1
South Atlantic						
Btu	12,913	12,847	12,936	12,966	13,029	-0.5
Sulfur	1.65	1.65	1.52	1.66	1.45	14.9
Ash	9.18	9.97	9.09	9.13	9.15	-0.2
District of Columbia						
Btu	-	-	-	-	13,156	-
Sulfur	-	-	-	-	0.58	-
Ash	-	-	-	-	6.85	-
North Carolina						
Btu	12,805	12,951	12,892	12,879	13,072	-1.5
Sulfur	1.99	1.99	1.85	1.97	1.65	19.6
Ash	9.95	9.81	9.87	9.69	9.48	2.2
Virginia						

Census division and state ¹	October - December 2018	July - September 2018	October - December 2017	Year to date		Percent change
				2018	2017	
Btu	13,208	12,594	13,026	13,223	12,871	2.7
Sulfur	0.73	0.83	0.82	0.77	0.80	-4.7
Ash	7.07	10.36	7.46	7.49	8.14	-8.0
East South Central						
Btu	13,509	13,569	13,293	13,567	13,109	3.5
Sulfur	0.79	0.76	0.78	0.78	0.77	1.4
Ash	6.29	6.12	6.66	4.62	6.12	-24.5
Kentucky						
Btu	13,509	13,569	13,293	13,567	13,109	3.5
Sulfur	0.79	0.76	0.78	0.78	0.77	1.4
Ash	6.29	6.12	6.66	4.62	6.12	-24.5
Mountain						
Btu	11,475	11,259	11,504	11,433	11,404	0.3
Sulfur	0.45	0.46	0.44	0.44	0.45	-0.9
Ash	11.70	8.09	9.96	9.66	10.26	-5.9
Colorado						
Btu	-	-	11,881	-	11,783	-
Sulfur	-	-	0.45	-	0.45	-
Ash	-	-	10.66	-	10.67	-
Montana						
Btu	-	11,290	10,511	11,021	10,480	5.2
Sulfur	-	0.46	0.37	0.41	0.43	-4.6
Ash	-	7.81	6.94	7.63	7.02	8.7
Wyoming						
Btu	11,475	10,710	11,676	11,594	11,537	0.5
Sulfur	0.45	0.38	0.46	0.46	0.45	1.4
Ash	11.70	13.08	10.53	10.45	10.78	-3.1
Pacific						
Btu	7,595	7,448	7,541	7,563	7,498	0.9
Sulfur	0.14	0.18	0.15	0.15	0.13	16.6
Ash	6.50	7.50	4.81	6.68	5.56	20.1
Alaska						
Btu	7,595	7,448	7,541	7,563	7,498	0.9
Sulfur	0.14	0.18	0.15	0.15	0.13	16.6
Ash	6.50	7.50	4.81	6.68	5.56	20.1
U.S. Total						
Btu	9,681	9,542	9,965	9,634	9,734	-1.0
Sulfur	1.09	1.28	1.20	1.16	1.13	3.1
Ash	7.81	8.40	7.23	7.89	7.36	7.2

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.'