

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

Census Division and State ¹	October - December 2016	July - September 2016	October - December 2015	Year to Date		Percent Change
				2016	2015	
Middle Atlantic						
Btu	13,049	14,746	13,024	13,069	13,136	-0.5
Sulfur	0.74	1.00	0.85	0.83	0.91	-9.0
Ash	8.19	5.47	8.68	8.26	8.61	-4.0
Pennsylvania						
Btu	13,049	14,746	13,024	13,069	13,136	-0.5
Sulfur	0.74	1.00	0.85	0.83	0.91	-9.0
Ash	8.19	5.47	8.68	8.26	8.61	-4.0
East North Central						
Btu	11,702	11,365	11,978	11,790	12,079	-2.4
Sulfur	2.62	3.01	2.36	2.58	2.32	10.8
Ash	8.78	9.33	8.56	8.69	8.32	4.5
Illinois						
Btu	11,185	11,107	11,117	11,221	11,106	1.0
Sulfur	3.15	3.31	3.28	3.21	3.22	-0.4
Ash	9.47	9.70	9.67	9.43	9.61	-1.9
Indiana						
Btu	11,395	11,494	11,142	11,359	11,170	1.7
Sulfur	2.98	2.84	3.15	2.95	3.09	-4.6
Ash	9.10	9.23	9.61	9.30	9.76	-4.6
Michigan						
Btu	-	-	-	-	12,374	-
Sulfur	-	-	-	-	2.56	-
Ash	-	-	-	-	8.53	-
Ohio						
Btu	13,392	13,453	13,484	13,507	13,411	0.7
Sulfur	0.86	0.92	0.86	0.88	1.07	-17.2
Ash	5.77	5.43	6.42	5.70	6.17	-7.5
Wisconsin						
Btu	13,375	-	13,375	13,375	13,391	-0.1
Sulfur	0.78	-	0.78	0.78	0.75	3.6
Ash	7.65	-	7.65	7.65	6.69	14.4
West North Central						
Btu	10,574	11,253	10,491	10,663	10,645	0.2
Sulfur	2.24	2.49	1.90	2.16	1.99	8.3
Ash	8.89	8.62	8.74	8.71	8.79	-0.9
Iowa						
Btu	11,578	11,619	11,400	11,447	11,370	0.7
Sulfur	2.84	2.57	2.28	2.60	2.36	10.2
Ash	8.38	8.52	8.54	8.57	8.76	-2.2
Minnesota						
Btu	9,307	9,222	8,968	8,981	8,967	0.2
Sulfur	0.27	0.30	0.22	0.22	0.19	16.6
Ash	3.78	4.18	5.24	5.31	4.29	23.8
Missouri						
Btu	11,332	11,366	11,342	11,333	11,350	-0.1
Sulfur	3.07	3.12	2.97	3.03	3.02	0.4
Ash	8.31	8.53	8.50	8.48	8.59	-1.3
North Dakota						
Btu	8,464	8,700	8,584	8,569	8,594	-0.3
Sulfur	0.60	0.66	0.59	0.64	0.49	30.9
Ash	10.53	9.55	9.65	9.75	9.67	0.9
South Atlantic						
Btu	12,936	13,225	13,265	13,179	13,299	-0.9
Sulfur	1.54	1.41	1.44	1.48	1.22	20.5
Ash	9.56	10.39	8.81	9.51	8.65	9.9
District of Columbia						
Btu	-	-	13,073	13,260	13,073	1.4
Sulfur	-	-	0.50	0.51	0.50	2.0
Ash	-	-	6.96	6.64	6.96	-4.6

Census Division and State ¹	October - December 2016	July - September 2016	October - December 2015	Year to Date		Percent Change
				2016	2015	
North Carolina						
Btu	12,955	13,199	13,303	13,200	13,326	-0.9
Sulfur	1.74	1.52	1.74	1.63	1.35	20.4
Ash	9.77	9.33	8.58	8.87	8.36	6.1
Virginia						
Btu	12,882	13,290	13,202	13,114	13,222	-0.8
Sulfur	0.98	1.12	0.88	1.08	0.83	29.8
Ash	8.93	13.08	9.55	11.45	9.65	18.6
East South Central						
Btu	12,871	13,007	13,226	13,205	13,130	0.6
Sulfur	0.79	0.77	0.77	0.71	0.81	-12.1
Ash	7.12	6.46	5.05	6.03	6.60	-8.7
Kentucky						
Btu	12,871	13,007	13,226	13,205	13,205	s
Sulfur	0.79	0.77	0.77	0.71	0.70	1.1
Ash	7.12	6.46	5.05	6.03	5.97	1.0
Tennessee						
Btu	-	-	-	-	12,878	-
Sulfur	-	-	-	-	1.16	-
Ash	-	-	-	-	8.72	-
West South Central						
Btu	-	-	-	-	13,308	-
Sulfur	-	-	-	-	0.66	-
Ash	-	-	-	-	8.04	-
Texas						
Btu	-	-	-	-	13,308	-
Sulfur	-	-	-	-	0.66	-
Ash	-	-	-	-	8.04	-
Mountain						
Btu	11,481	12,000	9,947	10,788	10,857	-0.6
Sulfur	0.44	0.42	0.43	0.42	0.44	-4.4
Ash	9.20	8.66	11.68	7.88	8.96	-12.0
Colorado						
Btu	11,924	-	11,385	11,924	11,552	3.2
Sulfur	0.31	-	0.46	0.31	0.45	-31.3
Ash	8.86	-	9.33	8.86	9.13	-2.9
Montana						
Btu	10,800	12,000	10,800	11,193	10,800	3.6
Sulfur	0.48	0.42	0.50	0.46	0.50	-7.9
Ash	8.42	8.66	6.92	8.50	6.92	22.8
Wyoming						
Btu	11,520	-	9,264	10,497	10,586	-0.8
Sulfur	0.48	-	0.39	0.44	0.44	s
Ash	9.57	-	14.02	7.57	9.02	-16.0
Pacific						
Btu	7,562	7,490	7,562	7,556	7,593	-0.5
Sulfur	0.16	0.19	0.15	0.15	0.17	-9.2
Ash	8.01	7.46	6.70	6.78	7.61	-11.0
Alaska						
Btu	7,562	7,490	7,562	7,556	7,593	-0.5
Sulfur	0.16	0.19	0.15	0.15	0.17	-9.2
Ash	8.01	7.46	6.70	6.78	7.61	-11.0
U.S. Total						
Btu	9,982	9,815	10,192	10,039	10,350	-3.0
Sulfur	1.34	1.30	1.16	1.26	1.19	5.6
Ash	8.58	8.45	7.93	7.96	8.21	-3.1

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 Non-Electric Sector Coal Data.'