

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

Census division and state ¹	October - December 2023	July - September 2023	October - December 2022	Year to date		Percent change
				2023	2022	
Middle Atlantic						
Btu	13,831	-	12,757	12,385	13,078	-5.3
Sulfur	1.26	-	0.64	0.70	0.78	-10.3
Ash	5.68	-	6.35	8.29	6.72	23.3
Pennsylvania						
Btu	13,831	-	12,757	12,385	13,078	-5.3
Sulfur	1.26	-	0.64	0.70	0.78	-10.3
Ash	5.68	-	6.35	8.29	6.72	23.3
East North Central						
Btu	11,158	11,059	11,046	11,147	11,114	0.3
Sulfur	2.96	3.15	2.99	3.01	2.99	0.8
Ash	9.75	10.28	10.40	9.87	10.03	-1.6
Illinois						
Btu	11,192	11,061	11,044	11,121	11,089	0.3
Sulfur	3.11	3.18	3.04	3.12	3.18	-1.7
Ash	9.71	10.36	10.46	9.90	10.06	-1.6
Indiana						
Btu	11,075	11,035	11,050	11,234	11,147	0.8
Sulfur	2.61	2.78	2.88	2.64	2.73	-3.1
Ash	9.84	8.92	10.28	9.78	9.98	-2.0
West North Central						
Btu	9,608	10,446	10,657	10,098	10,696	-5.6
Sulfur	1.02	2.30	2.34	1.25	2.26	-44.8
Ash	7.83	8.09	8.84	6.72	8.26	-18.6
Iowa						
Btu	9,454	11,173	10,941	10,880	11,138	-2.3
Sulfur	0.87	3.28	2.74	1.85	2.77	-33.2
Ash	7.15	9.26	9.39	7.67	8.96	-14.4
Minnesota						
Btu	-	-	9,323	9,496	8,866	7.1
Sulfur	-	-	0.33	0.32	0.29	9.4
Ash	-	-	4.70	4.18	4.70	-10.9
Missouri						
Btu	11,325	-	11,419	11,322	11,444	-1.1
Sulfur	2.46	-	3.00	2.87	3.03	-5.3
Ash	11.21	-	9.37	9.53	9.00	5.9
North Dakota						
Btu	8,820	9,090	9,011	9,035	9,083	-0.5
Sulfur	0.37	0.47	0.34	0.34	0.39	-10.8
Ash	6.43	5.90	6.75	5.39	6.13	-12.1
South Atlantic						
Btu	13,099	13,036	12,992	12,981	12,942	0.3
Sulfur	1.50	1.32	1.33	1.32	1.44	-8.3
Ash	7.49	8.17	8.21	7.58	8.25	-8.2
North Carolina						
Btu	13,059	12,835	12,926	12,985	12,818	1.3
Sulfur	1.61	1.47	1.42	1.51	1.58	-4.4
Ash	7.79	9.05	8.61	8.46	8.83	-4.1
Virginia						
Btu	13,325	13,779	13,405	12,973	13,495	-3.9
Sulfur	0.84	0.77	0.75	0.83	0.80	4.2
Ash	5.71	4.90	5.71	5.34	5.68	-6.1
East South Central						
Btu	-	-	-	-	13,232	-
Sulfur	-	-	-	-	0.60	-
Ash	-	-	-	-	4.53	-
Kentucky						
Btu	-	-	-	-	13,232	-

Census division and state ¹	October - December 2023	July - September 2023	October - December 2022	Year to date		Percent change
				2023	2022	
Sulfur	-	-	-	-	0.60	-
Ash	-	-	-	-	4.53	-
Mountain						
Btu	11,880	10,264	11,171	10,777	11,428	-5.7
Sulfur	0.48	0.53	0.53	0.51	0.48	5.7
Ash	10.49	9.03	12.08	9.72	11.20	-13.2
Colorado						
Btu	12,531	-	-	12,531	-	-
Sulfur	0.53	-	-	0.53	-	-
Ash	10.06	-	-	10.06	-	-
Montana						
Btu	-	10,264	10,689	10,264	10,689	-4.0
Sulfur	-	0.53	0.74	0.53	0.74	-28.4
Ash	-	9.03	10.67	9.03	10.67	-15.4
Wyoming						
Btu	11,609	-	11,348	11,538	11,515	0.2
Sulfur	0.46	-	0.45	0.46	0.45	1.1
Ash	10.67	-	12.60	11.17	11.26	-0.8
Pacific						
Btu	7,582	7,659	7,704	7,613	7,582	0.4
Sulfur	0.15	0.14	0.20	0.13	0.18	-25.5
Ash	6.30	5.09	6.43	5.69	6.73	-15.5
Alaska						
Btu	7,582	7,659	7,704	7,613	7,582	0.4
Sulfur	0.15	0.14	0.20	0.13	0.18	-25.5
Ash	6.30	5.09	6.43	5.69	6.73	-15.5
U.S. Total						
Btu	8,745	8,544	9,129	8,688	9,041	-3.9
Sulfur	0.65	0.64	0.96	0.71	1.06	-33.0
Ash	6.88	6.06	7.53	6.53	7.67	-14.9

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

- = No data reported.

Source: U.S. Energy Information Administration (EIA), Form EIA-3, 'Quarterly Survey of Industrial, Commercial & Institutional Coal Users.'