

**Table 43. Average quality of coal received at manufacturing and coke plants by census division and state**

Census division and state <sup>1</sup>	October - December 2024	July - September 2024	October - December 2023	Year to date		Percent change
				2024	2023	
<b>Middle Atlantic</b>						
Btu	13,692	14,264	14,191	14,071	14,185	-0.8
Sulfur	1.26	1.07	1.09	1.15	1.11	3.8
Ash	8.16	7.29	7.08	7.53	7.22	4.2
<b>New York</b>						
Btu	12,718	-	12,626	12,693	12,654	0.3
Sulfur	2.24	-	2.21	2.23	2.23	s
Ash	9.50	-	10.05	9.47	9.75	-2.9
<b>Pennsylvania</b>						
Btu	13,855	14,264	14,232	14,153	14,239	-0.6
Sulfur	1.10	1.07	1.06	1.09	1.07	1.6
Ash	7.93	7.29	7.00	7.41	7.13	3.9
<b>East North Central</b>						
Btu	12,510	13,766	13,603	13,207	13,552	-2.5
Sulfur	1.32	1.04	1.09	1.18	1.07	10.8
Ash	7.13	7.34	7.23	7.15	7.06	1.3
<b>Illinois</b>						
Btu	10,275	11,704	11,480	10,920	11,499	-5.0
Sulfur	2.05	1.65	1.87	1.86	1.65	12.8
Ash	7.07	6.96	7.13	6.99	6.78	3.1
<b>Indiana</b>						
Btu	13,744	14,250	14,249	14,049	14,228	-1.3
Sulfur	1.03	0.93	0.95	0.98	0.91	7.9
Ash	7.00	7.38	7.13	7.10	6.94	2.3
<b>Michigan</b>						
Btu	13,198	14,171	13,877	13,816	13,843	-0.2
Sulfur	0.80	0.72	0.81	0.80	0.81	-1.7
Ash	7.08	7.33	7.72	7.30	7.55	-3.2
<b>Ohio</b>						
Btu	13,856	14,254	14,257	14,135	14,255	-0.8
Sulfur	1.28	1.02	1.04	1.10	1.04	5.4
Ash	7.68	7.57	7.22	7.39	7.24	2.0
<b>Wisconsin</b>						
Btu	11,115	11,615	11,089	11,286	10,647	6.0
Sulfur	0.62	0.67	0.55	0.72	0.53	35.8
Ash	6.93	7.33	6.35	6.76	6.62	2.1
<b>West North Central</b>						
Btu	8,317	8,284	8,458	8,296	8,380	-1.0
Sulfur	0.93	0.88	0.79	0.90	0.74	21.0
Ash	6.36	6.20	6.07	6.43	5.97	7.6
<b>Iowa</b>						
Btu	8,988	9,000	9,002	8,985	8,904	0.9
Sulfur	0.66	0.72	0.64	0.66	0.47	42.6
Ash	5.22	5.24	5.39	5.26	5.19	1.3
<b>Kansas</b>						
Btu	11,342	11,006	10,871	11,158	10,940	2.0
Sulfur	2.83	2.50	1.56	2.42	1.81	33.6
Ash	11.74	10.80	10.25	11.02	10.80	2.1
<b>Minnesota</b>						
Btu	9,313	9,301	9,302	9,306	9,276	0.3
Sulfur	0.30	0.30	0.30	0.30	0.33	-8.7
Ash	4.11	4.10	4.13	4.10	4.23	-3.2
<b>Missouri</b>						
Btu	11,088	11,241	11,057	11,120	11,185	-0.6
Sulfur	2.44	2.27	2.28	2.36	2.05	15.3
Ash	8.80	8.80	8.58	8.82	8.59	2.7
<b>Nebraska</b>						

Census division and state¹	October - December 2024	July - September 2024	October - December 2023	Year to date		Percent change
				2024	2023	
Btu	8,837	8,885	8,807	8,848	8,811	0.4
Sulfur	0.38	0.29	0.30	0.39	0.30	29.1
Ash	4.82	4.73	5.01	4.90	5.01	-2.3
<b>North Dakota</b>						
Btu	7,331	7,284	7,433	7,312	7,375	-0.8
Sulfur	0.93	0.89	0.80	0.90	0.79	14.4
Ash	6.85	6.62	6.53	6.98	6.28	11.2
<b>South Dakota</b>						
Btu	7,977	7,990	8,001	7,979	8,005	-0.3
Sulfur	0.41	0.41	0.36	0.40	0.36	11.4
Ash	5.83	5.86	5.30	5.75	5.34	7.6
<b>South Atlantic</b>						
Btu	12,630	13,234	13,449	12,864	13,301	-3.3
Sulfur	1.35	1.24	1.10	1.28	1.15	11.2
Ash	12.47	10.85	9.43	11.48	9.84	16.6
<b>Florida</b>						
Btu	12,893	12,942	12,739	12,788	11,795	8.4
Sulfur	2.63	2.30	3.70	2.60	2.14	21.8
Ash	8.96	8.71	11.12	8.99	9.09	-1.1
<b>Georgia</b>						
Btu	13,235	12,260	12,483	12,830	12,358	3.8
Sulfur	0.92	0.81	1.11	0.87	1.12	-22.1
Ash	11.53	10.64	9.66	11.04	10.94	0.9
<b>Maryland</b>						
Btu	11,445	11,367	11,597	11,499	11,522	-0.2
Sulfur	1.60	1.98	1.78	1.67	1.74	-4.1
Ash	19.83	20.59	19.00	19.74	20.08	-1.7
<b>North Carolina</b>						
Btu	12,960	12,889	12,855	12,945	13,297	-2.6
Sulfur	0.99	1.01	1.01	0.99	0.92	7.1
Ash	9.15	9.28	8.72	9.04	8.10	11.6
<b>South Carolina</b>						
Btu	13,277	12,769	12,872	13,053	13,175	-0.9
Sulfur	1.91	1.50	0.77	1.65	1.19	39.3
Ash	9.85	11.15	9.66	10.17	8.30	22.4
<b>Virginia</b>						
Btu	13,093	14,310	14,293	13,609	14,148	-3.8
Sulfur	0.90	0.87	0.85	0.89	0.93	-4.3
Ash	9.87	7.39	6.95	8.42	7.23	16.5
<b>West Virginia</b>						
Btu	12,601	12,390	13,558	12,707	13,389	-5.1
Sulfur	1.47	1.73	1.03	1.42	1.14	24.6
Ash	12.10	13.94	6.46	11.62	7.72	50.4
<b>East South Central</b>						
Btu	12,944	13,339	13,263	13,070	13,344	-2.1
Sulfur	1.33	1.31	1.33	1.31	1.25	4.5
Ash	7.09	7.42	7.39	7.28	7.30	-0.3
<b>Alabama</b>						
Btu	13,365	14,107	13,932	13,657	14,013	-2.5
Sulfur	1.22	0.99	1.01	1.15	1.00	14.2
Ash	7.42	7.28	6.79	7.24	6.90	4.8
<b>Kentucky</b>						
Btu	12,651	12,762	12,785	12,652	12,864	-1.6
Sulfur	1.67	1.68	1.76	1.64	1.46	12.2
Ash	6.89	8.33	8.18	7.70	7.50	2.7
<b>Mississippi</b>						
Btu	14,806	14,723	14,863	14,787	14,766	0.1
Sulfur	0.78	0.75	0.77	0.77	0.79	-2.3
Ash	3.42	3.52	2.86	3.52	3.55	-0.8
<b>Tennessee</b>						
Btu	12,778	12,888	12,946	12,829	12,970	-1.1

Census division and state¹	October - December 2024	July - September 2024	October - December 2023	Year to date		Percent change
				2024	2023	
Sulfur	1.24	1.44	1.35	1.28	1.37	-6.9
Ash	7.32	7.63	7.67	7.41	7.78	-4.7
<b>West South Central</b>						
Btu	10,139	9,995	10,223	10,113	10,125	-0.1
Sulfur	0.77	0.78	0.96	0.77	0.74	3.0
Ash	8.13	7.93	7.91	8.08	8.01	0.9
<b>Arkansas</b>						
Btu	11,508	11,530	11,151	11,495	11,379	1.0
Sulfur	1.29	1.81	1.63	1.35	1.36	-0.7
Ash	12.10	10.07	10.49	12.17	10.18	19.5
<b>Louisiana</b>						
Btu	7,848	7,848	7,489	7,760	7,489	3.6
Sulfur	0.45	0.48	0.51	0.46	0.51	-9.0
Ash	5.62	6.35	5.92	5.81	6.56	-11.5
<b>Oklahoma</b>						
Btu	12,991	12,229	12,328	12,287	10,691	14.9
Sulfur	1.10	1.60	1.47	1.17	0.68	73.0
Ash	5.09	8.67	8.89	6.33	7.07	-10.5
<b>Texas</b>						
Btu	11,667	11,629	11,370	11,493	11,497	s
Sulfur	0.63	0.56	0.91	0.57	0.74	-23.0
Ash	9.83	9.15	8.25	9.15	9.30	-1.5
<b>Mountain</b>						
Btu	11,359	10,835	10,722	11,310	10,670	6.0
Sulfur	0.55	0.58	0.57	0.55	0.58	-4.1
Ash	6.92	7.08	6.92	6.92	6.76	2.4
<b>Arizona</b>						
Btu	11,930	11,532	11,479	11,685	11,397	2.5
Sulfur	0.81	0.71	0.61	0.71	0.65	9.0
Ash	11.20	9.99	10.16	10.37	10.86	-4.5
<b>Colorado</b>						
Btu	12,066	11,462	11,654	11,901	11,660	2.1
Sulfur	0.48	0.57	0.55	0.48	0.56	-13.6
Ash	8.13	8.95	9.90	9.36	10.70	-12.5
<b>Idaho</b>						
Btu	11,773	12,672	11,873	11,902	11,735	1.4
Sulfur	0.48	0.51	0.87	0.54	0.81	-33.2
Ash	9.20	9.47	10.10	9.40	10.23	-8.1
<b>Montana</b>						
Btu	9,388	9,553	9,258	9,430	9,542	-1.2
Sulfur	0.34	0.38	0.31	0.35	0.38	-7.6
Ash	5.05	5.56	5.26	5.11	5.42	-5.7
<b>Nevada</b>						
Btu	11,781	11,775	11,783	11,702	11,466	2.1
Sulfur	0.45	0.46	0.48	0.46	0.48	-4.8
Ash	10.06	10.00	10.23	10.07	9.90	1.7
<b>New Mexico</b>						
Btu	9,642	11,418	11,306	10,196	11,563	-11.8
Sulfur	0.78	0.93	0.75	0.79	0.75	5.2
Ash	12.53	12.64	12.01	12.29	12.74	-3.5
<b>Utah</b>						
Btu	11,779	11,687	11,530	11,711	11,448	2.3
Sulfur	0.55	0.56	0.48	0.56	0.48	17.1
Ash	9.86	9.65	8.89	9.80	9.01	8.7
<b>Wyoming</b>						
Btu	11,606	10,278	10,168	11,427	10,165	12.4
Sulfur	0.58	0.60	0.63	0.59	0.62	-5.6
Ash	4.69	4.67	4.26	4.58	4.00	14.4
<b>Pacific</b>						
Btu	10,984	11,135	11,279	10,998	11,170	-1.5
Sulfur	0.55	0.52	0.56	0.54	0.57	-4.6

Census division and state <sup>1</sup>	October - December 2024	July - September 2024	October - December 2023	Year to date		Percent change
				2024	2023	
Ash	8.35	8.27	8.98	8.31	9.43	-11.8
<b>California</b>						
Btu	11,039	11,256	11,322	11,067	11,259	-1.7
Sulfur	0.55	0.53	0.57	0.55	0.58	-5.2
Ash	8.49	8.49	9.25	8.48	9.73	-12.9
<b>Oregon</b>						
Btu	-	-	11,759	12,323	11,695	5.4
Sulfur	-	-	0.60	0.51	0.60	-14.6
Ash	-	-	8.34	9.92	8.79	12.9
<b>Washington</b>						
Btu	9,551	9,335	9,363	9,470	9,356	1.2
Sulfur	0.36	0.39	0.38	0.36	0.34	7.0
Ash	4.70	5.00	4.68	4.75	4.60	3.2
<b>U.S. Total</b>						
Btu	10,687	12,040	12,042	11,286	11,962	-5.7
Sulfur	1.05	0.99	0.98	1.02	0.95	6.9
Ash	7.26	7.28	7.13	7.26	7.08	2.5

<sup>1</sup> 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.' Prior to third quarter 2014, coke plant data was collected under Form EIA-5, 'Quarterly Coal Consumption and Quality Report - Coke Plants.'