

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

Census division and state¹	July - September 2024	April - June 2024	July - September 2023	Year to date		Percent change
				2024	2023	
Middle Atlantic						
Btu	14,264	14,277	14,175	14,253	14,184	0.5
Sulfur	1.07	1.10	1.09	1.10	1.11	-1.5
Ash	7.29	7.14	7.17	7.22	7.27	-0.6
New York						
Btu	-	11,262	12,663	12,573	12,660	-0.7
Sulfur	-	1.65	2.23	2.15	2.23	-3.4
Ash	-	9.03	9.86	9.30	9.69	-4.0
Pennsylvania						
Btu	14,264	14,289	14,221	14,278	14,241	0.3
Sulfur	1.07	1.10	1.05	1.08	1.07	0.9
Ash	7.29	7.13	7.09	7.19	7.17	0.3
East North Central						
Btu	13,692	13,806	13,518	13,712	13,535	1.3
Sulfur	1.06	1.07	1.02	1.09	1.06	2.8
Ash	7.29	7.09	6.93	7.14	7.00	2.0
Illinois						
Btu	11,704	11,698	11,481	11,688	11,505	1.6
Sulfur	1.65	1.53	1.35	1.62	1.58	2.5
Ash	6.96	6.74	6.49	6.91	6.68	3.4
Indiana						
Btu	14,250	14,266	14,171	14,255	14,220	0.2
Sulfur	0.93	0.94	0.90	0.95	0.89	6.1
Ash	7.38	7.08	6.83	7.17	6.88	4.2
Michigan						
Btu	14,171	14,793	13,812	14,309	13,826	3.5
Sulfur	0.72	0.92	0.84	0.80	0.82	-1.9
Ash	7.33	7.67	7.57	7.48	7.46	0.3
Ohio						
Btu	14,147	14,274	14,292	14,241	14,255	-0.1
Sulfur	1.17	1.01	1.05	1.05	1.04	0.3
Ash	7.38	7.26	7.14	7.16	7.25	-1.2
Wisconsin						
Btu	11,615	12,077	10,456	11,787	10,422	13.1
Sulfur	0.67	1.41	0.55	1.03	0.53	94.5
Ash	7.33	5.42	6.27	6.25	6.76	-7.5
West North Central						
Btu	8,284	8,246	8,457	8,259	8,356	-1.2
Sulfur	0.88	0.87	0.77	0.84	0.73	15.3
Ash	6.20	7.19	6.17	6.54	5.95	10.1
Iowa						
Btu	9,000	9,031	8,911	8,981	8,874	1.2
Sulfur	0.72	0.80	0.48	0.67	0.41	62.4
Ash	5.24	5.59	5.16	5.33	5.13	3.9
Kansas						
Btu	11,006	10,837	10,683	10,946	10,961	-0.1
Sulfur	2.50	1.49	1.71	1.96	1.89	3.4
Ash	10.80	9.39	8.74	10.19	10.96	-7.0
Minnesota						
Btu	9,301	9,263	9,232	9,292	9,266	0.3
Sulfur	0.30	0.29	0.32	0.30	0.34	-12.3
Ash	4.10	4.19	4.28	4.07	4.27	-4.8
Missouri						
Btu	11,241	11,178	11,326	11,192	11,223	-0.3
Sulfur	2.27	2.27	1.90	2.19	1.97	10.7
Ash	8.80	8.81	8.44	8.85	8.59	3.0
Nebraska						

Census division and state¹	July - September 2024	April - June 2024	July - September 2023	Year to date		Percent change
				2024	2023	
Btu	8,885	8,908	8,806	8,864	8,812	0.6
Sulfur	0.29	0.60	0.30	0.40	0.30	32.0
Ash	4.73	5.31	5.00	5.01	5.01	-0.1
<b>North Dakota</b>						
Btu	7,284	7,263	7,380	7,278	7,358	-1.1
Sulfur	0.89	0.80	0.82	0.85	0.78	8.3
Ash	6.62	8.16	6.67	7.22	6.21	16.3
<b>South Dakota</b>						
Btu	7,990	7,986	7,989	7,983	8,006	-0.3
Sulfur	0.41	0.37	0.37	0.39	0.36	8.4
Ash	5.86	5.43	5.43	5.62	5.35	5.0
<b>South Atlantic</b>						
Btu	13,234	13,156	13,266	13,155	13,259	-0.8
Sulfur	1.24	1.18	1.17	1.18	1.16	1.6
Ash	10.85	10.28	9.85	10.25	9.96	2.8
<b>Florida</b>						
Btu	12,942	11,804	12,048	12,556	11,700	7.3
Sulfur	2.30	2.97	1.58	2.54	1.98	28.1
Ash	8.71	9.75	7.67	9.06	8.89	1.9
<b>Georgia</b>						
Btu	12,260	12,355	12,368	12,291	12,316	-0.2
Sulfur	0.81	0.80	1.09	0.81	1.12	-28.0
Ash	10.64	10.37	10.71	10.38	11.36	-8.6
<b>Maryland</b>						
Btu	11,367	11,493	11,509	11,588	11,499	0.8
Sulfur	1.98	1.80	1.74	1.78	1.73	3.0
Ash	20.59	20.12	18.48	19.58	20.40	-4.0
<b>North Carolina</b>						
Btu	12,889	12,952	12,837	12,918	13,381	-3.5
Sulfur	1.01	0.97	0.97	0.99	0.91	9.6
Ash	9.28	8.71	8.79	8.84	7.98	10.7
<b>South Carolina</b>						
Btu	12,769	13,242	13,323	12,856	13,225	-2.8
Sulfur	1.50	0.89	1.30	1.43	1.26	13.6
Ash	11.15	6.00	7.89	10.44	8.08	29.3
<b>Virginia</b>						
Btu	14,310	14,054	14,231	14,005	14,101	-0.7
Sulfur	0.87	0.89	0.94	0.87	0.95	-8.3
Ash	7.39	7.44	7.04	7.31	7.32	-0.1
<b>West Virginia</b>						
Btu	12,390	13,417	13,300	12,916	13,346	-3.2
Sulfur	1.73	1.25	1.12	1.33	1.17	13.8
Ash	13.94	8.71	8.20	10.68	8.05	32.7
<b>East South Central</b>						
Btu	13,339	13,260	13,496	13,246	13,370	-0.9
Sulfur	1.31	1.35	1.22	1.29	1.23	4.4
Ash	7.42	7.76	7.11	7.54	7.27	3.8
<b>Alabama</b>						
Btu	14,107	13,938	14,249	13,949	14,035	-0.6
Sulfur	0.99	1.14	0.91	1.07	1.00	7.3
Ash	7.28	6.86	6.53	7.06	6.94	1.7
<b>Kentucky</b>						
Btu	12,762	12,492	12,972	12,654	12,888	-1.8
Sulfur	1.68	1.62	1.59	1.59	1.37	16.0
Ash	8.33	10.20	7.48	9.03	7.29	23.8
<b>Mississippi</b>						
Btu	14,723	14,831	14,835	14,766	14,738	0.2
Sulfur	0.75	0.77	0.77	0.76	0.79	-4.3
Ash	3.52	3.56	3.79	3.63	3.74	-3.0
<b>Tennessee</b>						
Btu	12,888	13,026	13,013	12,909	12,978	-0.5

Census division and state¹	July - September 2024	April - June 2024	July - September 2023	Year to date		Percent change
				2024	2023	
Sulfur	1.44	1.43	1.32	1.34	1.38	-3.5
Ash	7.63	7.54	7.67	7.55	7.82	-3.4
<b>West South Central</b>						
Btu	9,995	10,296	9,862	10,079	10,097	-0.2
Sulfur	0.78	0.74	0.78	0.76	0.68	12.0
Ash	7.93	8.41	8.23	8.02	8.04	-0.2
<b>Arkansas</b>						
Btu	11,530	11,459	11,293	11,467	11,446	0.2
Sulfur	1.81	1.23	1.59	1.46	1.28	14.9
Ash	10.07	13.48	10.99	12.33	10.09	22.2
<b>Louisiana</b>						
Btu	7,848	7,498	7,489	7,623	7,489	1.8
Sulfur	0.48	0.47	0.51	0.48	0.51	-5.0
Ash	6.35	5.91	6.86	6.09	6.78	-10.1
<b>Oklahoma</b>						
Btu	12,229	12,074	11,275	11,723	10,516	11.5
Sulfur	1.60	1.38	0.90	1.23	0.59	107.0
Ash	8.67	7.56	7.59	7.32	6.88	6.5
<b>Texas</b>						
Btu	11,629	11,315	11,444	11,335	11,553	-1.9
Sulfur	0.56	0.43	0.64	0.52	0.66	-22.2
Ash	9.15	8.45	9.79	8.54	9.76	-12.5
<b>Mountain</b>						
Btu	10,835	11,499	10,726	11,230	10,653	5.4
Sulfur	0.58	0.56	0.61	0.57	0.58	-2.2
Ash	7.08	7.60	6.84	6.93	6.70	3.4
<b>Arizona</b>						
Btu	11,532	11,355	11,403	11,400	11,363	0.3
Sulfur	0.71	0.61	0.69	0.60	0.67	-11.1
Ash	9.99	10.19	11.88	9.40	11.15	-15.8
<b>Colorado</b>						
Btu	11,462	11,897	11,627	11,694	11,662	0.3
Sulfur	0.57	0.39	0.65	0.49	0.56	-13.8
Ash	8.95	13.45	11.29	10.90	10.99	-0.9
<b>Idaho</b>						
Btu	12,672	12,088	11,905	12,067	11,704	3.1
Sulfur	0.51	0.52	0.85	0.62	0.80	-22.2
Ash	9.47	9.13	10.05	9.65	10.26	-6.0
<b>Montana</b>						
Btu	9,553	9,697	9,529	9,562	9,648	-0.9
Sulfur	0.38	0.41	0.43	0.38	0.40	-6.2
Ash	5.56	5.16	5.71	5.27	5.48	-3.8
<b>Nevada</b>						
Btu	11,775	11,527	11,399	11,583	11,321	2.3
Sulfur	0.46	0.48	0.51	0.48	0.49	-1.7
Ash	10.00	9.88	9.80	10.09	9.75	3.5
<b>New Mexico</b>						
Btu	11,418	11,493	11,347	11,429	11,663	-2.0
Sulfur	0.93	0.70	0.78	0.80	0.75	7.0
Ash	12.64	11.34	13.01	11.76	13.02	-9.7
<b>Utah</b>						
Btu	11,687	11,728	11,547	11,584	11,422	1.4
Sulfur	0.56	0.63	0.48	0.59	0.48	22.9
Ash	9.65	10.59	8.59	9.68	9.05	7.0
<b>Wyoming</b>						
Btu	10,278	11,506	10,286	11,148	10,164	9.7
Sulfur	0.60	0.61	0.64	0.60	0.62	-2.6
Ash	4.67	4.59	3.86	4.41	3.92	12.5
<b>Pacific</b>						
Btu	11,135	10,801	11,096	11,020	11,127	-1.0
Sulfur	0.52	0.47	0.71	0.53	0.57	-6.8

Census division and state <sup>1</sup>	July - September 2024	April - June 2024	July - September 2023	Year to date		Percent change
				2024	2023	
Ash	8.27	8.45	10.54	8.25	9.61	-14.1
<b>California</b>						
Btu	11,256	10,852	11,196	11,114	11,236	-1.1
Sulfur	0.53	0.48	0.73	0.54	0.59	-7.6
Ash	8.49	8.59	10.87	8.45	9.90	-14.7
<b>Oregon</b>						
Btu	-	-	-	12,323	11,301	9.0
Sulfur	-	-	-	0.51	0.58	-12.0
Ash	-	-	-	9.92	11.55	-14.1
<b>Washington</b>						
Btu	9,335	9,411	9,362	9,381	9,354	0.3
Sulfur	0.39	0.35	0.34	0.37	0.33	12.0
Ash	5.00	4.69	4.75	4.80	4.57	4.9
<b>U.S. Total</b>						
Btu	11,944	12,000	12,115	11,948	11,937	0.1
Sulfur	0.99	1.00	0.95	0.99	0.95	4.4
Ash	7.26	7.44	7.12	7.25	7.07	2.6

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