

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

Census division and state ¹	January - March 2024	October - December 2023	January - March 2023	Year to date		Percent change
				2024	2023	
Middle Atlantic						
Btu	14,219	14,191	14,195	14,219	14,195	0.2
Sulfur	1.11	1.09	1.14	1.11	1.14	-2.0
Ash	7.24	7.08	7.32	7.24	7.32	-1.1
New York						
Btu	12,699	12,626	12,716	12,699	12,716	-0.1
Sulfur	2.20	2.21	2.26	2.20	2.26	-2.5
Ash	9.33	10.05	9.30	9.33	9.30	0.3
Pennsylvania						
Btu	14,280	14,232	14,277	14,280	14,277	0.3
Sulfur	1.07	1.06	1.07	1.07	1.07	-0.3
Ash	7.16	7.00	7.21	7.16	7.21	-0.8
East North Central						
Btu	13,632	13,603	13,568	13,632	13,568	0.5
Sulfur	1.14	1.09	1.10	1.14	1.10	3.5
Ash	7.05	7.23	7.10	7.05	7.10	-0.7
Illinois						
Btu	11,666	11,480	11,710	11,666	11,710	-0.4
Sulfur	1.68	1.87	1.79	1.68	1.79	-6.3
Ash	7.02	7.13	7.03	7.02	7.03	-0.2
Indiana						
Btu	14,249	14,249	14,199	14,249	14,199	0.4
Sulfur	0.98	0.95	0.91	0.98	0.91	7.3
Ash	7.02	7.13	6.82	7.02	6.82	3.0
Michigan						
Btu	13,938	13,877	13,835	13,938	13,835	0.7
Sulfur	0.87	0.81	0.71	0.87	0.71	21.8
Ash	7.66	7.72	7.30	7.66	7.30	5.0
Ohio						
Btu	14,256	14,257	14,218	14,256	14,218	0.3
Sulfur	1.02	1.04	1.02	1.02	1.02	0.5
Ash	6.97	7.22	7.44	6.97	7.44	-6.3
Wisconsin						
Btu	11,211	11,089	10,350	11,211	10,350	8.3
Sulfur	0.49	0.55	0.55	0.49	0.55	-10.6
Ash	6.86	6.35	7.65	6.86	7.65	-10.3
West North Central						
Btu	8,248	8,458	8,390	8,248	8,390	-1.7
Sulfur	0.76	0.79	0.66	0.76	0.66	15.9
Ash	6.22	6.07	5.74	6.22	5.74	8.5
Iowa						
Btu	8,910	9,002	8,868	8,910	8,868	0.5
Sulfur	0.49	0.64	0.40	0.49	0.40	20.4
Ash	5.19	5.39	5.14	5.19	5.14	0.8
Kansas						
Btu	11,046	10,871	10,884	11,046	10,884	1.5
Sulfur	2.05	1.56	2.32	2.05	2.32	-11.6
Ash	10.72	10.25	11.69	10.72	11.69	-8.3
Minnesota						
Btu	9,305	9,302	9,293	9,305	9,293	0.1
Sulfur	0.30	0.30	0.34	0.30	0.34	-12.1
Ash	3.98	4.13	4.24	3.98	4.24	-6.3
Missouri						
Btu	11,157	11,057	11,149	11,157	11,149	0.1
Sulfur	2.00	2.28	1.58	2.00	1.58	26.0
Ash	8.94	8.58	8.91	8.94	8.91	0.4
Nebraska						

Census division and state¹	January - March 2024	October - December 2023	January - March 2023	Year to date		Percent change
				2024	2023	
Btu	8,800	8,807	8,812	8,800	8,812	-0.1
Sulfur	0.30	0.30	0.30	0.30	0.30	0.4
Ash	5.00	5.01	5.01	5.00	5.01	-0.3
North Dakota						
Btu	7,288	7,433	7,455	7,288	7,455	-2.2
Sulfur	0.85	0.80	0.75	0.85	0.75	14.0
Ash	6.81	6.53	5.89	6.81	5.89	15.6
South Dakota						
Btu	7,972	8,001	8,014	7,972	8,014	-0.5
Sulfur	0.38	0.36	0.35	0.38	0.35	9.9
Ash	5.59	5.30	5.31	5.59	5.31	5.2
South Atlantic						
Btu	13,076	13,449	13,280	13,076	13,280	-1.5
Sulfur	1.12	1.10	1.16	1.12	1.16	-3.1
Ash	9.62	9.43	9.88	9.62	9.88	-2.6
Florida						
Btu	12,809	12,739	11,709	12,809	11,709	9.4
Sulfur	2.40	3.70	2.02	2.40	2.02	19.3
Ash	8.83	11.12	9.23	8.83	9.23	-4.4
Georgia						
Btu	12,248	12,483	12,329	12,248	12,329	-0.7
Sulfur	0.82	1.11	1.17	0.82	1.17	-30.1
Ash	10.07	9.66	11.76	10.07	11.76	-14.4
Maryland						
Btu	11,908	11,597	11,187	11,908	11,187	6.4
Sulfur	1.55	1.78	1.75	1.55	1.75	-11.7
Ash	18.01	19.00	25.04	18.01	25.04	-28.1
North Carolina						
Btu	12,905	12,855	13,539	12,905	13,539	-4.7
Sulfur	1.00	1.01	0.90	1.00	0.90	11.3
Ash	8.54	8.72	7.93	8.54	7.93	7.6
South Carolina						
Btu	12,814	12,872	13,137	12,814	13,137	-2.5
Sulfur	1.53	0.77	1.20	1.53	1.20	27.2
Ash	11.17	9.66	8.32	11.17	8.32	34.3
Virginia						
Btu	13,651	14,293	13,991	13,651	13,991	-2.4
Sulfur	0.87	0.85	1.01	0.87	1.01	-13.8
Ash	7.11	6.95	7.49	7.11	7.49	-5.0
West Virginia						
Btu	13,058	13,558	13,412	13,058	13,412	-2.6
Sulfur	1.03	1.03	1.17	1.03	1.17	-12.1
Ash	9.05	6.46	7.76	9.05	7.76	16.6
East South Central						
Btu	13,147	13,263	13,296	13,147	13,296	-1.1
Sulfur	1.20	1.33	1.21	1.20	1.21	-1.0
Ash	7.44	7.39	7.42	7.44	7.42	0.3
Alabama						
Btu	13,812	13,932	13,801	13,812	13,801	0.1
Sulfur	1.09	1.01	1.12	1.09	1.12	-2.2
Ash	7.05	6.79	7.16	7.05	7.16	-1.6
Kentucky						
Btu	12,740	12,785	12,849	12,740	12,849	-0.8
Sulfur	1.49	1.76	1.06	1.49	1.06	40.0
Ash	8.33	8.18	7.43	8.33	7.43	12.1
Mississippi						
Btu	14,741	14,863	14,720	14,741	14,720	0.1
Sulfur	0.76	0.77	0.80	0.76	0.80	-5.7
Ash	3.93	2.86	3.47	3.93	3.47	13.2
Tennessee						
Btu	12,821	12,946	13,038	12,821	13,038	-1.7

Census division and state¹	January - March 2024	October - December 2023	January - March 2023	Year to date		Percent change
				2024	2023	
Sulfur	1.16	1.35	1.42	1.16	1.42	-18.1
Ash	7.51	7.67	7.90	7.51	7.90	-5.0
West South Central						
Btu	9,935	10,223	10,105	9,935	10,105	-1.7
Sulfur	0.77	0.96	0.67	0.77	0.67	15.7
Ash	7.70	7.91	8.18	7.70	8.18	-5.8
Arkansas						
Btu	11,441	11,151	11,783	11,441	11,783	-2.9
Sulfur	1.54	1.63	1.29	1.54	1.29	19.2
Ash	12.29	10.49	9.54	12.29	9.54	28.8
Louisiana						
Btu	7,489	7,489	7,489	7,489	7,489	s
Sulfur	0.50	0.51	0.50	0.50	0.50	s
Ash	5.98	5.92	6.65	5.98	6.65	-10.1
Oklahoma						
Btu	11,192	12,328	10,530	11,192	10,530	6.3
Sulfur	0.92	1.47	0.55	0.92	0.55	67.6
Ash	6.47	8.89	7.34	6.47	7.34	-11.9
Texas						
Btu	11,089	11,370	11,456	11,089	11,456	-3.2
Sulfur	0.58	0.91	0.60	0.58	0.60	-3.7
Ash	8.09	8.25	9.99	8.09	9.99	-19.0
Mountain						
Btu	11,366	10,722	10,570	11,366	10,570	7.5
Sulfur	0.56	0.57	0.52	0.56	0.52	7.6
Ash	6.21	6.92	6.62	6.21	6.62	-6.2
Arizona						
Btu	11,318	11,479	11,129	11,318	11,129	1.7
Sulfur	0.50	0.61	0.60	0.50	0.60	-16.5
Ash	8.41	10.16	9.52	8.41	9.52	-11.7
Colorado						
Btu	11,692	11,654	11,716	11,692	11,716	-0.2
Sulfur	0.54	0.55	0.52	0.54	0.52	3.0
Ash	9.40	9.90	9.82	9.40	9.82	-4.2
Idaho						
Btu	11,199	11,873	11,280	11,199	11,280	-0.7
Sulfur	0.96	0.87	0.46	0.96	0.46	107.9
Ash	10.78	10.10	10.56	10.78	10.56	2.1
Montana						
Btu	9,497	9,258	9,546	9,497	9,546	-0.5
Sulfur	0.35	0.31	0.35	0.35	0.35	-1.4
Ash	4.97	5.26	5.17	4.97	5.17	-3.8
Nevada						
Btu	11,504	11,783	11,457	11,504	11,457	0.4
Sulfur	0.50	0.48	0.47	0.50	0.47	7.4
Ash	10.40	10.23	9.42	10.40	9.42	10.4
New Mexico						
Btu	11,361	11,306	11,973	11,361	11,973	-5.1
Sulfur	0.74	0.75	0.74	0.74	0.74	s
Ash	11.07	12.01	12.48	11.07	12.48	-11.3
Utah						
Btu	11,300	11,530	11,376	11,300	11,376	-0.7
Sulfur	0.57	0.48	0.46	0.57	0.46	26.2
Ash	8.80	8.89	9.78	8.80	9.78	-10.0
Wyoming						
Btu	11,565	10,168	10,083	11,565	10,083	14.7
Sulfur	0.60	0.63	0.55	0.60	0.55	8.7
Ash	4.06	4.26	4.35	4.06	4.35	-6.6
Pacific						
Btu	11,125	11,279	11,169	11,125	11,169	-0.4
Sulfur	0.60	0.56	0.44	0.60	0.44	37.3

Census division and state ¹	January - March 2024	October - December 2023	January - March 2023	Year to date		Percent change
				2024	2023	
Ash	8.03	8.98	8.10	8.03	8.10	-0.9
California						
Btu	11,241	11,322	11,298	11,241	11,298	-0.5
Sulfur	0.62	0.57	0.45	0.62	0.45	38.1
Ash	8.26	9.25	8.34	8.26	8.34	-1.0
Oregon						
Btu	12,323	11,759	12,237	12,323	12,237	0.7
Sulfur	0.51	0.60	0.35	0.51	0.35	45.7
Ash	9.92	8.34	8.09	9.92	8.09	22.6
Washington						
Btu	9,406	9,363	9,317	9,406	9,317	1.0
Sulfur	0.36	0.38	0.30	0.36	0.30	18.7
Ash	4.67	4.68	4.67	4.67	4.67	s
U.S. Total						
Btu	11,899	12,042	11,845	11,899	11,845	0.5
Sulfur	0.98	0.98	0.93	0.98	0.93	5.0
Ash	7.04	7.13	6.98	7.04	6.98	0.9

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