

Table 43. Average Quality of Coal Received at Manufacturing and Coke Plants by Census Division and State

Census Division and State ¹	October - December 2017	July - September 2017	October - December 2016	Year to Date		Percent Change
				2017	2016	
New England						
Btu	12,661	12,660	12,547	12,619	12,607	0.1
Sulfur	0.83	0.75	0.90	0.81	0.86	-5.5
Ash	7.96	7.81	8.80	8.15	8.48	-3.9
Maine						
Btu	12,714	12,714	12,619	12,684	12,619	0.5
Sulfur	0.67	0.67	0.79	0.71	0.79	-10.5
Ash	7.11	7.11	8.31	7.48	8.31	-10.0
Massachusetts						
Btu	12,479	12,339	12,266	12,358	12,549	-1.5
Sulfur	1.37	1.19	1.33	1.21	1.18	2.9
Ash	10.84	11.94	10.69	10.81	9.34	15.7
Middle Atlantic						
Btu	13,996	13,852	13,649	13,873	13,675	1.4
Sulfur	1.13	1.12	1.17	1.14	1.09	4.5
Ash	8.07	8.75	8.91	8.52	8.27	3.0
New York						
Btu	13,345	13,593	13,319	13,402	13,441	-0.3
Sulfur	1.65	1.71	1.78	1.64	1.49	10.3
Ash	6.95	7.02	7.68	7.13	7.14	-0.1
Pennsylvania						
Btu	14,038	13,867	13,684	13,906	13,698	1.5
Sulfur	1.10	1.09	1.10	1.10	1.05	5.1
Ash	8.15	8.84	9.04	8.61	8.38	2.8
East North Central						
Btu	13,338	13,270	13,089	13,221	13,126	0.7
Sulfur	1.24	1.95	1.15	1.39	1.20	15.3
Ash	7.31	6.55	7.28	7.12	7.28	-2.2
Illinois						
Btu	11,758	11,528	11,538	11,507	11,550	-0.4
Sulfur	2.42	2.13	2.03	2.21	2.15	2.8
Ash	7.66	7.57	7.41	7.57	7.68	-1.4
Indiana						
Btu	13,887	13,936	13,922	13,949	13,934	0.1
Sulfur	0.89	0.88	0.88	0.88	0.90	-2.0
Ash	7.27	7.45	7.42	7.37	7.22	2.0
Michigan						
Btu	14,123	13,833	12,874	13,556	12,805	5.9
Sulfur	0.78	5.15	0.76	2.44	0.73	235.2
Ash	7.11	2.54	7.09	5.42	6.78	-20.0
Ohio						
Btu	14,078	14,104	14,125	14,090	13,964	0.9
Sulfur	1.01	1.03	1.00	1.00	1.08	-7.5
Ash	7.25	7.31	7.18	7.28	7.33	-0.7
Wisconsin						
Btu	10,770	11,237	10,816	10,792	10,656	1.3
Sulfur	0.94	0.82	0.83	0.82	0.82	0.7
Ash	6.90	7.06	6.77	6.78	6.71	1.0
West North Central						
Btu	8,255	8,483	8,155	8,334	8,219	1.4
Sulfur	0.78	0.89	0.83	0.85	0.88	-3.3
Ash	6.20	6.33	6.27	6.24	6.21	0.5
Iowa						
Btu	9,154	9,332	9,129	9,253	9,137	1.3
Sulfur	0.76	0.96	0.77	0.86	0.83	3.5
Ash	5.18	6.32	5.22	5.52	5.25	5.1
Kansas						
Btu	10,954	10,986	11,179	10,908	11,009	-0.9
Sulfur	1.83	1.65	1.67	1.76	1.96	-10.3
Ash	10.59	11.05	10.64	10.30	11.37	-9.4

Census Division and State ¹	October - December 2017	July - September 2017	October - December 2016	Year to Date		Percent Change
				2017	2016	
Minnesota						
Btu	9,097	9,232	9,239	9,180	9,286	-1.1
Sulfur	0.30	0.33	0.33	0.32	0.35	-6.1
Ash	4.53	4.43	4.55	4.49	4.31	4.3
Missouri						
Btu	11,549	11,269	11,229	11,290	11,265	0.2
Sulfur	2.29	2.52	2.12	2.29	2.14	6.9
Ash	8.87	8.97	8.71	8.91	8.50	4.8
Nebraska						
Btu	8,861	9,091	8,902	8,962	8,988	-0.3
Sulfur	0.23	0.24	0.23	0.24	0.24	-0.6
Ash	4.93	4.99	4.81	4.83	4.87	-0.9
North Dakota						
Btu	7,256	7,197	7,221	7,231	7,228	s
Sulfur	0.81	0.88	0.91	0.88	0.93	-6.1
Ash	6.73	6.66	6.86	6.73	6.74	-0.3
South Dakota						
Btu	8,313	8,399	8,140	8,375	8,189	2.3
Sulfur	0.57	0.59	0.37	0.59	0.45	30.5
Ash	6.67	6.70	5.13	6.65	5.56	19.5
South Atlantic						
Btu	13,332	13,369	13,380	13,361	13,297	0.5
Sulfur	1.19	1.23	1.14	1.17	1.17	0.5
Ash	9.59	9.79	9.19	9.63	9.15	5.2
Delaware						
Btu	-	-	12,349	-	11,484	-
Sulfur	-	-	2.21	-	2.30	-
Ash	-	-	7.84	-	7.63	-
Florida						
Btu	12,471	12,617	12,977	12,604	13,088	-3.7
Sulfur	1.13	1.62	1.35	1.32	1.15	14.1
Ash	8.90	9.94	7.88	9.05	6.59	37.4
Georgia						
Btu	12,803	12,287	12,673	12,498	12,859	-2.8
Sulfur	1.02	0.97	0.97	0.99	0.98	1.4
Ash	8.79	11.61	9.66	10.27	8.94	14.8
Maryland						
Btu	10,927	10,996	11,028	10,929	10,926	s
Sulfur	1.86	1.84	1.78	1.85	1.82	1.7
Ash	24.13	22.79	21.34	23.47	23.19	1.2
North Carolina						
Btu	13,607	13,550	13,581	13,646	13,227	3.2
Sulfur	0.94	0.96	0.94	0.95	0.94	0.9
Ash	7.03	7.07	7.34	6.98	7.23	-3.4
South Carolina						
Btu	13,206	13,764	13,098	13,433	13,019	3.2
Sulfur	1.53	2.02	0.94	1.34	0.92	46.6
Ash	7.65	9.55	7.68	9.33	7.95	17.3
Virginia						
Btu	14,142	14,198	14,007	14,160	14,014	1.0
Sulfur	0.86	0.82	0.94	0.87	1.01	-14.3
Ash	7.13	7.07	7.17	7.10	7.18	-1.1
West Virginia						
Btu	14,089	14,089	14,141	14,117	13,952	1.2
Sulfur	1.39	1.31	1.19	1.30	1.21	7.2
Ash	6.99	7.00	7.00	6.99	7.60	-8.1
East South Central						
Btu	13,578	13,588	13,392	13,541	13,417	0.9
Sulfur	1.08	1.22	1.13	1.17	1.13	3.9
Ash	7.54	7.28	7.59	7.30	7.49	-2.5
Alabama						
Btu	13,881	13,861	13,671	13,887	13,703	1.3
Sulfur	1.11	1.05	0.99	1.07	0.98	9.5
Ash	7.31	7.17	7.93	7.21	7.75	-7.1

Census Division and State ¹	October - December 2017	July - September 2017	October - December 2016	Year to Date		Percent Change
				2017	2016	
Kentucky						
Btu	13,451	13,499	12,884	13,255	13,076	1.4
Sulfur	1.09	1.10	1.13	1.03	1.12	-7.8
Ash	7.73	8.36	7.45	7.61	7.25	4.9
Tennessee						
Btu	13,090	13,277	13,260	13,198	13,205	-0.1
Sulfur	1.01	1.48	1.35	1.41	1.32	6.2
Ash	7.86	6.92	7.17	7.27	7.26	0.1
West South Central						
Btu	9,929	9,610	9,785	9,677	9,804	-1.3
Sulfur	0.57	0.54	0.54	0.57	0.61	-6.6
Ash	8.61	8.36	8.11	8.19	8.30	-1.3
Arkansas						
Btu	11,529	11,791	12,091	11,846	12,039	-1.6
Sulfur	1.31	1.33	0.93	1.27	1.40	-9.5
Ash	12.09	11.65	10.04	10.69	10.77	-0.7
Louisiana						
Btu	8,214	7,940	7,753	7,855	7,644	2.8
Sulfur	0.64	0.60	0.75	0.67	0.67	0.3
Ash	6.87	6.46	6.36	6.81	7.12	-4.3
Oklahoma						
Btu	9,642	9,059	9,392	9,332	9,487	-1.6
Sulfur	0.31	0.25	0.30	0.28	0.35	-18.8
Ash	5.43	4.82	4.63	4.86	5.05	-3.7
Texas						
Btu	10,274	10,025	10,023	9,936	10,257	-3.1
Sulfur	0.51	0.53	0.56	0.52	0.55	-5.6
Ash	10.29	10.26	11.02	10.29	10.55	-2.5
Mountain						
Btu	10,339	10,602	10,445	10,384	10,551	-1.6
Sulfur	0.58	0.53	0.51	0.53	0.57	-7.3
Ash	7.16	7.28	6.52	7.22	7.05	2.3
Arizona						
Btu	11,714	11,598	11,726	11,642	11,646	s
Sulfur	0.60	0.63	0.61	0.61	0.69	-12.4
Ash	11.36	11.51	11.05	11.31	11.41	-0.9
Colorado						
Btu	10,721	11,358	11,698	10,855	11,515	-5.7
Sulfur	0.50	0.57	0.44	0.49	0.50	-1.5
Ash	8.62	8.86	7.37	8.26	8.16	1.1
Idaho						
Btu	11,914	11,633	11,778	11,454	11,338	1.0
Sulfur	0.57	0.55	0.56	0.53	0.55	-3.7
Ash	9.94	10.57	5.91	10.87	10.81	0.5
Montana						
Btu	8,634	9,510	8,664	8,991	8,942	0.6
Sulfur	0.33	0.37	0.33	0.36	0.35	5.0
Ash	5.53	5.42	5.39	5.46	5.15	6.1
Nevada						
Btu	11,497	11,298	11,231	11,225	11,289	-0.6
Sulfur	0.52	0.49	0.44	0.50	0.43	16.1
Ash	8.97	9.07	8.75	8.78	9.00	-2.4
New Mexico						
Btu	12,277	12,348	12,424	12,259	12,308	-0.4
Sulfur	0.74	0.68	0.76	0.71	0.72	-1.6
Ash	10.83	10.38	9.78	10.44	9.95	4.9
Utah						
Btu	11,432	11,504	11,469	11,462	11,426	0.3
Sulfur	0.53	0.47	0.53	0.54	0.52	3.4
Ash	10.81	11.07	10.75	11.24	10.49	7.1
Wyoming						
Btu	9,847	9,877	10,037	9,776	9,939	-1.6
Sulfur	0.67	0.57	0.55	0.54	0.64	-15.1
Ash	5.15	4.55	4.56	5.02	4.73	6.3

Census Division and State ¹	October - December 2017	July - September 2017	October - December 2016	Year to Date		Percent Change
				2017	2016	
Pacific						
Btu	11,417	11,410	11,360	11,392	11,408	-0.1
Sulfur	0.58	0.60	0.54	0.58	0.58	-0.9
Ash	11.13	11.49	9.80	11.22	10.20	10.0
California						
Btu	11,501	11,489	11,488	11,497	11,549	-0.4
Sulfur	0.60	0.61	0.56	0.59	0.60	-1.8
Ash	11.51	11.80	10.18	11.62	10.62	9.5
Oregon						
Btu	11,795	11,362	11,670	11,650	11,522	1.1
Sulfur	0.53	0.53	0.51	0.53	0.52	1.0
Ash	9.80	10.59	9.78	10.07	10.87	-7.4
Washington						
Btu	9,328	9,483	9,401	9,386	9,390	s
Sulfur	0.33	0.35	0.32	0.33	0.33	2.1
Ash	4.70	4.44	4.14	4.45	4.20	5.9
U.S. Total						
Btu	11,772	11,760	11,621	11,757	11,729	0.2
Sulfur	1.00	1.26	0.99	1.08	1.02	5.3
Ash	7.51	7.36	7.48	7.48	7.45	0.4

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.'