

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

Census Division and State ¹	April - June 2017	January - March 2017	April - June 2016	Year to Date		Percent Change
				2017	2016	
New England						
Btu	12,610	12,560	12,689	12,578	12,634	-0.4
Sulfur	0.80	0.84	0.87	0.83	0.85	-3.1
Ash	7.76	8.79	8.28	8.41	8.35	0.6
Maine						
Btu	12,714	12,619	12,619	12,655	12,619	0.3
Sulfur	0.67	0.79	0.79	0.74	0.79	-5.7
Ash	7.11	8.31	8.31	7.86	8.31	-5.4
Massachusetts						
Btu	12,209	12,344	12,889	12,295	12,696	-3.2
Sulfur	1.31	1.02	1.10	1.12	1.10	2.3
Ash	10.26	10.55	8.18	10.45	8.53	22.5
Middle Atlantic						
Btu	13,851	13,774	13,665	13,814	13,732	0.6
Sulfur	1.19	1.10	0.94	1.15	1.05	9.1
Ash	8.49	8.83	7.26	8.65	7.63	13.4
New York						
Btu	13,393	13,320	13,485	13,357	13,494	-1.0
Sulfur	1.76	1.47	1.31	1.61	1.46	10.4
Ash	7.31	7.22	6.69	7.27	6.97	4.3
Pennsylvania						
Btu	13,885	13,811	13,682	13,850	13,756	0.7
Sulfur	1.15	1.07	0.91	1.11	1.01	9.9
Ash	8.58	8.96	7.32	8.76	7.69	13.9
East North Central						
Btu	13,193	13,076	13,128	13,140	13,120	0.1
Sulfur	1.16	1.19	1.20	1.17	1.27	-7.7
Ash	7.38	7.27	7.29	7.33	7.27	0.8
Illinois						
Btu	11,369	11,396	11,564	11,383	11,565	-1.6
Sulfur	2.23	2.09	2.17	2.16	2.27	-5.1
Ash	7.61	7.44	7.78	7.52	7.86	-4.3
Indiana						
Btu	13,931	14,041	13,937	13,982	13,978	s
Sulfur	0.89	0.85	0.88	0.87	0.90	-3.4
Ash	7.53	7.19	7.16	7.38	7.05	4.6
Michigan						
Btu	13,013	12,467	12,839	12,860	12,631	1.8
Sulfur	0.76	0.67	0.75	0.74	0.72	2.8
Ash	6.80	8.49	6.77	7.28	6.50	11.9
Ohio						
Btu	14,135	14,034	13,810	14,090	13,841	1.8
Sulfur	0.98	0.98	1.12	0.98	1.14	-13.8
Ash	7.31	7.23	7.36	7.28	7.39	-1.5
Wisconsin						
Btu	10,729	10,367	10,870	10,559	10,672	-1.1
Sulfur	0.75	0.78	0.90	0.77	1.02	-24.9
Ash	7.00	6.09	6.89	6.57	6.73	-2.4
West North Central						
Btu	8,331	8,251	8,175	8,290	8,191	1.2
Sulfur	0.89	0.82	0.94	0.86	0.90	-4.3
Ash	6.31	6.12	6.31	6.21	6.20	0.3
Iowa						
Btu	9,365	9,154	9,175	9,261	9,131	1.4
Sulfur	0.94	0.76	0.89	0.85	0.85	0.3
Ash	5.49	5.09	5.26	5.29	5.21	1.4
Kansas						
Btu	10,964	10,711	10,966	10,844	10,863	-0.2
Sulfur	1.75	1.82	1.59	1.78	1.85	-3.8
Ash	9.78	9.75	9.84	9.76	11.41	-14.4

Census Division and State ¹	April - June 2017	January - March 2017	April - June 2016	Year to Date		Percent Change
				2017	2016	
Minnesota						
Btu	9,037	9,258	9,286	9,173	9,314	-1.5
Sulfur	0.32	0.34	0.33	0.33	0.35	-6.8
Ash	4.60	4.51	4.08	4.54	4.17	8.8
Missouri						
Btu	11,152	11,210	11,290	11,181	11,271	-0.8
Sulfur	2.18	2.03	2.20	2.11	2.12	-0.5
Ash	9.07	8.69	8.17	8.88	8.43	5.4
Nebraska						
Btu	9,113	8,795	9,233	8,952	8,993	-0.5
Sulfur	0.25	0.23	0.26	0.24	0.24	s
Ash	4.76	4.62	5.12	4.69	4.81	-2.6
North Dakota						
Btu	7,266	7,205	7,247	7,235	7,236	s
Sulfur	0.91	0.91	0.95	0.91	0.96	-4.8
Ash	6.75	6.77	6.72	6.76	6.73	0.4
South Dakota						
Btu	8,384	8,392	8,126	8,388	8,177	2.6
Sulfur	0.59	0.59	0.43	0.59	0.50	16.8
Ash	6.62	6.60	5.51	6.61	5.92	11.7
South Atlantic						
Btu	13,308	13,434	13,235	13,371	13,277	0.7
Sulfur	1.17	1.09	1.18	1.13	1.17	-3.0
Ash	9.94	9.22	9.21	9.58	8.94	7.2
Delaware						
Btu	-	-	11,572	-	11,566	-
Sulfur	-	-	2.33	-	2.33	-
Ash	-	-	7.35	-	7.53	-
Florida						
Btu	12,625	12,719	13,228	12,665	13,116	-3.4
Sulfur	1.39	1.06	0.99	1.25	1.06	17.8
Ash	8.99	8.17	5.20	8.64	5.93	45.7
Georgia						
Btu	12,374	12,528	12,802	12,463	12,927	-3.6
Sulfur	1.03	0.96	0.99	0.99	1.00	-1.0
Ash	10.41	10.16	9.40	10.26	8.70	17.9
Maryland						
Btu	10,917	10,867	10,913	10,894	10,898	s
Sulfur	1.86	1.84	1.84	1.85	1.87	-0.9
Ash	23.97	22.86	23.83	23.46	23.60	-0.6
North Carolina						
Btu	13,651	13,747	13,063	13,701	13,047	5.0
Sulfur	0.97	0.94	0.95	0.95	0.95	0.8
Ash	7.07	6.79	7.40	6.92	7.15	-3.1
South Carolina						
Btu	13,371	13,435	12,889	13,404	13,079	2.5
Sulfur	0.89	1.05	0.93	0.98	0.81	20.6
Ash	10.59	9.55	6.99	10.05	7.29	37.8
Virginia						
Btu	14,158	14,151	13,955	14,154	13,995	1.1
Sulfur	0.84	0.94	1.05	0.89	1.07	-16.7
Ash	7.07	7.15	7.40	7.11	7.25	-1.9
West Virginia						
Btu	14,134	14,166	13,907	14,150	13,844	2.2
Sulfur	1.33	1.13	1.21	1.23	1.18	4.3
Ash	7.13	6.82	7.76	6.98	7.82	-10.8
East South Central						
Btu	13,500	13,505	13,465	13,503	13,458	0.3
Sulfur	1.24	1.15	1.16	1.19	1.12	6.0
Ash	7.36	7.09	7.35	7.22	7.28	-0.8
Alabama						
Btu	13,890	13,916	13,873	13,903	13,754	1.1
Sulfur	1.16	0.96	1.00	1.06	0.96	10.0
Ash	7.43	6.93	7.53	7.18	7.48	-4.1

Census Division and State ¹	April - June 2017	January - March 2017	April - June 2016	Year to Date		Percent Change
				2017	2016	
Kentucky						
Btu	12,966	13,157	12,742	13,066	13,208	-1.1
Sulfur	0.97	0.99	1.22	0.98	1.10	-11.2
Ash	7.51	6.98	7.41	7.23	7.01	3.2
Tennessee						
Btu	13,236	13,153	13,252	13,192	13,185	0.1
Sulfur	1.50	1.49	1.33	1.49	1.33	12.6
Ash	7.16	7.37	7.10	7.27	7.13	2.0
West South Central						
Btu	9,598	9,583	9,858	9,590	9,912	-3.2
Sulfur	0.58	0.57	0.62	0.58	0.63	-7.8
Ash	7.88	7.88	8.07	7.88	8.11	-2.8
Arkansas						
Btu	11,949	12,046	11,925	12,006	11,965	0.3
Sulfur	1.36	1.14	1.50	1.23	1.42	-13.6
Ash	10.39	9.22	11.48	9.70	11.01	-11.8
Louisiana						
Btu	7,964	7,343	7,545	7,615	7,705	-1.2
Sulfur	0.77	0.69	0.62	0.73	0.64	12.7
Ash	7.16	6.85	6.28	6.99	6.35	9.9
Oklahoma						
Btu	9,428	9,226	9,436	9,324	9,487	-1.7
Sulfur	0.32	0.27	0.37	0.29	0.38	-22.7
Ash	4.64	4.62	5.21	4.63	5.27	-12.1
Texas						
Btu	9,569	9,795	10,637	9,681	10,558	-8.3
Sulfur	0.50	0.54	0.55	0.52	0.55	-5.9
Ash	10.00	10.60	10.25	10.30	10.18	1.2
Mountain						
Btu	10,431	10,138	10,721	10,293	10,525	-2.2
Sulfur	0.50	0.49	0.62	0.49	0.60	-18.0
Ash	7.49	6.94	7.70	7.23	7.07	2.4
Arizona						
Btu	11,589	11,653	11,583	11,620	11,692	-0.6
Sulfur	0.60	0.59	0.69	0.60	0.75	-20.8
Ash	11.48	10.87	11.70	11.18	11.20	-0.2
Colorado						
Btu	10,818	10,617	11,962	10,724	11,255	-4.7
Sulfur	0.48	0.43	0.58	0.46	0.52	-12.0
Ash	7.86	7.70	9.42	7.79	8.26	-5.7
Idaho						
Btu	11,227	11,038	11,299	11,150	11,215	-0.6
Sulfur	0.51	0.50	0.54	0.50	0.56	-10.1
Ash	11.70	11.06	11.03	11.44	10.38	10.2
Montana						
Btu	9,858	8,542	9,644	9,070	8,942	1.4
Sulfur	0.43	0.35	0.37	0.38	0.36	5.7
Ash	5.16	5.60	4.73	5.42	5.06	7.2
Nevada						
Btu	11,092	10,955	11,351	11,024	11,343	-2.8
Sulfur	0.51	0.48	0.43	0.50	0.45	10.3
Ash	8.56	8.40	8.78	8.48	9.26	-8.4
New Mexico						
Btu	12,187	12,247	12,246	12,213	12,275	-0.5
Sulfur	0.69	0.70	0.67	0.69	0.71	-2.4
Ash	10.55	9.78	10.01	10.22	9.91	3.2
Utah						
Btu	11,453	11,430	11,431	11,445	11,463	-0.2
Sulfur	0.52	0.77	0.54	0.61	0.54	11.5
Ash	11.69	11.43	10.65	11.60	10.76	7.9
Wyoming						
Btu	9,700	9,667	9,911	9,684	9,912	-2.3
Sulfur	0.48	0.44	0.70	0.46	0.67	-30.6
Ash	5.19	5.21	5.07	5.20	4.71	10.4

Census Division and State ¹	April - June 2017	January - March 2017	April - June 2016	Year to Date		Percent Change
				2017	2016	
Pacific						
Btu	11,470	11,254	11,424	11,366	11,425	-0.5
Sulfur	0.59	0.52	0.58	0.56	0.60	-6.8
Ash	11.10	11.16	10.45	11.13	10.18	9.3
California						
Btu	11,592	11,401	11,568	11,500	11,589	-0.8
Sulfur	0.61	0.54	0.59	0.58	0.62	-7.8
Ash	11.50	11.67	10.87	11.58	10.63	9.0
Oregon						
Btu	-	-	11,708	-	11,541	-
Sulfur	-	-	0.52	-	0.53	-
Ash	-	-	10.47	-	11.02	-
Washington						
Btu	9,412	9,347	9,287	9,377	9,349	0.3
Sulfur	0.34	0.32	0.36	0.33	0.34	-4.3
Ash	4.20	4.48	4.42	4.35	4.25	2.5
U.S. Total						
Btu	11,856	11,634	11,772	11,748	11,736	0.1
Sulfur	1.03	0.99	1.03	1.01	1.05	-3.3
Ash	7.63	7.44	7.40	7.54	7.32	2.9

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