

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

Census Division and State ¹	October - December 2016	July - September 2016	October - December 2015	Year to Date		Percent Change
				2016	2015	
New England						
Btu	12,547	12,633	12,628	12,607	13,085	-3.7
Sulfur	0.90	0.81	0.84	0.86	0.77	10.7
Ash	8.80	8.33	8.15	8.48	7.15	18.7
Maine						
Btu	12,619	12,619	12,592	12,619	12,500	1.0
Sulfur	0.79	0.79	0.73	0.79	0.72	10.0
Ash	8.31	8.31	8.05	8.31	8.13	2.2
Massachusetts						
Btu	12,266	12,818	12,784	12,549	13,501	-7.1
Sulfur	1.33	1.01	1.31	1.18	0.81	45.1
Ash	10.69	8.60	8.60	9.34	6.45	44.8
Middle Atlantic						
Btu	13,649	13,578	13,597	13,674	13,689	-0.1
Sulfur	1.17	1.08	1.19	1.09	1.09	-0.6
Ash	8.91	8.94	8.95	8.27	8.37	-1.2
New York						
Btu	13,319	13,471	13,530	13,441	13,312	1.0
Sulfur	1.78	1.18	1.67	1.49	1.54	-3.2
Ash	7.68	6.88	7.59	7.14	8.34	-14.4
Pennsylvania						
Btu	13,684	13,587	13,608	13,697	13,725	-0.2
Sulfur	1.10	1.07	1.11	1.05	1.05	-0.3
Ash	9.04	9.13	9.16	8.38	8.38	0.1
East North Central						
Btu	13,119	13,164	13,190	13,135	13,121	0.1
Sulfur	1.13	1.15	1.31	1.20	1.24	-3.3
Ash	7.26	7.32	7.42	7.28	7.32	-0.6
Illinois						
Btu	11,577	11,533	11,684	11,560	11,582	-0.2
Sulfur	1.97	2.04	2.39	2.14	2.15	-0.6
Ash	7.34	7.59	7.73	7.66	7.56	1.4
Indiana						
Btu	13,922	13,867	13,965	13,934	13,932	s
Sulfur	0.88	0.91	0.94	0.90	0.93	-3.8
Ash	7.42	7.37	7.21	7.22	7.13	1.3
Michigan						
Btu	12,927	13,008	13,048	12,883	12,749	1.1
Sulfur	0.76	0.71	0.88	0.73	0.83	-11.7
Ash	7.08	6.76	7.18	6.73	7.20	-6.5
Ohio						
Btu	14,125	14,068	13,968	13,964	13,977	-0.1
Sulfur	1.00	1.04	1.12	1.08	1.14	-5.0
Ash	7.18	7.34	7.66	7.33	7.52	-2.6
Wisconsin						
Btu	10,816	10,501	11,047	10,679	11,142	-4.2
Sulfur	0.83	0.73	1.22	0.90	1.26	-28.6
Ash	6.73	6.92	6.87	6.77	7.01	-3.4
West North Central						
Btu	8,155	8,390	8,215	8,227	8,314	-1.1
Sulfur	0.83	0.89	0.87	0.88	0.91	-3.5
Ash	6.27	6.14	6.26	6.20	6.27	-1.2
Iowa						
Btu	9,129	9,155	9,163	9,137	9,219	-0.9
Sulfur	0.77	0.84	0.81	0.83	0.90	-8.0
Ash	5.22	5.35	5.27	5.25	5.37	-2.2
Kansas						
Btu	11,179	11,972	11,605	11,303	12,003	-5.8
Sulfur	1.67	1.60	2.85	1.73	1.85	-6.5
Ash	10.64	8.84	13.23	10.38	10.17	2.1

Census Division and State ¹	October - December 2016	July - September 2016	October - December 2015	Year to Date		Percent Change
				2016	2015	
Minnesota						
Btu	9,239	9,278	9,322	9,286	9,130	1.7
Sulfur	0.33	0.35	0.35	0.35	0.30	13.7
Ash	4.55	4.32	4.29	4.31	4.77	-9.6
Missouri						
Btu	11,229	11,282	11,058	11,265	11,128	1.2
Sulfur	2.12	2.20	2.12	2.14	2.22	-3.7
Ash	8.71	8.47	8.83	8.50	9.00	-5.5
Nebraska						
Btu	8,902	9,064	8,906	8,988	9,014	-0.3
Sulfur	0.23	0.25	0.23	0.24	0.24	1.0
Ash	4.81	4.74	4.66	4.79	4.66	2.8
North Dakota						
Btu	7,221	7,218	7,265	7,228	7,227	s
Sulfur	0.91	0.90	0.90	0.93	0.94	-0.6
Ash	6.86	6.62	6.69	6.74	6.73	0.2
South Dakota						
Btu	8,140	8,259	9,793	8,189	8,512	-3.8
Sulfur	0.37	0.40	0.48	0.45	0.46	-3.2
Ash	5.13	5.19	5.69	5.56	5.64	-1.4
South Atlantic						
Btu	13,426	13,314	13,170	13,341	13,145	1.5
Sulfur	1.12	1.16	1.17	1.15	1.15	-0.4
Ash	9.14	9.63	9.67	9.17	9.64	-4.9
Florida						
Btu	12,977	13,095	12,956	13,085	13,008	0.6
Sulfur	1.35	1.23	1.00	1.15	0.99	16.7
Ash	7.88	7.22	6.62	6.59	7.32	-10.0
Georgia						
Btu	12,673	12,920	13,230	12,859	13,092	-1.8
Sulfur	0.97	0.95	1.17	0.98	1.13	-13.5
Ash	9.66	8.64	10.63	8.94	9.07	-1.5
Maryland						
Btu	11,028	10,868	11,058	10,926	11,034	-1.0
Sulfur	1.78	1.78	1.77	1.82	1.87	-2.4
Ash	21.34	24.37	22.96	23.19	23.15	0.2
North Carolina						
Btu	13,581	13,226	13,054	13,227	12,979	1.9
Sulfur	0.88	0.94	0.94	0.93	0.93	-0.4
Ash	7.34	7.28	6.50	7.23	6.81	6.1
South Carolina						
Btu	13,833	12,804	13,086	13,173	12,881	2.3
Sulfur	0.94	1.15	0.85	0.92	0.90	1.5
Ash	6.36	9.78	7.14	7.68	6.66	15.2
Virginia						
Btu	14,007	14,061	13,924	14,014	13,908	0.8
Sulfur	0.94	0.96	1.11	1.01	1.09	-7.7
Ash	7.17	7.05	7.37	7.18	7.69	-6.6
West Virginia						
Btu	14,141	14,018	13,416	13,946	13,438	3.8
Sulfur	1.19	1.30	1.16	1.23	1.10	11.4
Ash	7.00	7.70	8.56	7.60	8.65	-12.1
East South Central						
Btu	13,390	13,353	13,453	13,417	13,314	0.8
Sulfur	1.14	1.14	1.14	1.13	1.16	-2.6
Ash	7.59	7.85	7.21	7.49	7.55	-0.9
Alabama						
Btu	13,672	13,615	13,807	13,703	13,611	0.7
Sulfur	0.99	0.99	0.93	0.98	1.00	-2.3
Ash	7.93	8.21	7.39	7.74	7.75	-0.1
Kentucky						
Btu	12,884	13,040	13,468	13,076	13,236	-1.2
Sulfur	1.13	1.14	1.01	1.12	1.02	10.3
Ash	7.45	7.48	6.25	7.25	6.65	9.1

Census Division and State ¹	October - December 2016	July - September 2016	October - December 2015	Year to Date		Percent Change
				2016	2015	
Mississippi						
Btu	-	-	11,584	-	11,565	-
Sulfur	-	-	2.16	-	2.24	-
Ash	-	-	7.68	-	7.82	-
Tennessee						
Btu	13,260	13,204	13,183	13,205	13,096	0.8
Sulfur	1.35	1.30	1.36	1.32	1.36	-2.3
Ash	7.17	7.63	7.45	7.26	7.73	-6.0
West South Central						
Btu	9,809	9,670	10,264	9,834	10,159	-3.2
Sulfur	0.54	0.65	0.59	0.61	0.61	-0.2
Ash	8.11	8.82	8.02	8.29	7.89	5.2
Arkansas						
Btu	12,091	12,148	11,845	12,039	11,874	1.4
Sulfur	0.93	2.00	1.51	1.40	1.49	-5.7
Ash	10.04	11.17	10.93	10.77	10.87	-1.0
Louisiana						
Btu	7,753	7,591	7,713	7,681	7,777	-1.2
Sulfur	0.75	0.66	0.70	0.67	0.77	-12.6
Ash	6.36	8.94	7.15	7.12	6.74	5.6
Oklahoma						
Btu	9,459	9,699	9,402	9,568	9,574	-0.1
Sulfur	0.30	0.37	0.38	0.35	0.39	-10.1
Ash	4.63	5.15	5.68	5.05	5.60	-9.8
Texas						
Btu	10,023	9,996	11,049	10,259	10,733	-4.4
Sulfur	0.56	0.54	0.52	0.55	0.54	1.7
Ash	11.02	10.69	9.17	10.55	9.02	17.0
Mountain						
Btu	10,470	10,718	10,373	10,582	10,563	0.2
Sulfur	0.50	0.57	0.58	0.57	0.59	-3.8
Ash	6.62	7.64	6.91	7.21	7.17	0.5
Arizona						
Btu	11,726	11,497	11,617	11,646	11,574	0.6
Sulfur	0.61	0.62	0.66	0.69	0.67	3.3
Ash	11.05	12.08	10.91	11.41	10.87	4.9
Colorado						
Btu	11,697	11,709	11,027	11,516	11,352	1.5
Sulfur	0.44	0.54	0.52	0.50	0.58	-13.2
Ash	7.37	8.83	7.27	8.17	6.96	17.4
Idaho						
Btu	11,778	11,595	10,260	11,338	11,053	2.6
Sulfur	0.56	0.53	0.68	0.55	0.66	-16.8
Ash	5.91	12.16	5.15	10.81	7.40	46.1
Montana						
Btu	8,664	9,596	8,576	8,942	8,919	0.3
Sulfur	0.33	0.34	0.35	0.33	0.35	-6.6
Ash	5.39	4.78	5.37	5.15	5.15	s
Nevada						
Btu	11,231	11,268	11,439	11,289	11,336	-0.4
Sulfur	0.44	0.40	0.46	0.43	0.48	-9.1
Ash	8.75	8.87	9.77	9.00	9.89	-9.0
New Mexico						
Btu	12,424	12,245	12,283	12,308	12,328	-0.2
Sulfur	0.76	0.68	0.68	0.72	0.75	-4.9
Ash	9.78	10.21	9.34	9.95	9.28	7.2
Utah						
Btu	11,469	11,365	11,499	11,426	11,426	s
Sulfur	0.53	0.50	0.58	0.52	0.54	-2.6
Ash	10.75	10.08	10.84	10.49	10.56	-0.6
Wyoming						
Btu	10,047	9,877	9,855	9,928	9,805	1.3
Sulfur	0.55	0.68	0.67	0.64	0.64	-0.4
Ash	4.56	4.94	4.84	4.76	4.86	-2.0

Census Division and State ¹	October - December 2016	July - September 2016	October - December 2015	Year to Date		Percent Change
				2016	2015	
Pacific						
Btu	11,360	11,429	11,397	11,427	11,476	-0.4
Sulfur	0.54	0.59	0.56	0.58	0.57	1.7
Ash	9.80	10.69	10.22	10.20	10.24	-0.4
California						
Btu	11,488	11,543	11,512	11,570	11,604	-0.3
Sulfur	0.56	0.60	0.59	0.60	0.59	1.2
Ash	10.18	11.07	10.67	10.62	10.67	-0.6
Hawaii						
Btu	-	-	11,290	-	11,290	-
Sulfur	-	-	0.46	-	0.46	-
Ash	-	-	9.81	-	9.81	-
Oregon						
Btu	11,670	11,438	11,849	11,522	11,760	-2.0
Sulfur	0.51	0.52	0.52	0.52	0.52	0.7
Ash	9.78	10.66	9.60	10.87	10.14	7.2
Washington						
Btu	9,401	9,484	9,411	9,390	9,407	-0.2
Sulfur	0.32	0.29	0.35	0.33	0.34	-3.8
Ash	4.14	4.16	4.20	4.20	4.23	-0.7
U.S. Total						
Btu	11,633	11,839	11,704	11,741	11,845	-0.9
Sulfur	0.98	1.01	1.06	1.02	1.05	-2.5
Ash	7.48	7.69	7.60	7.46	7.59	-1.8

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.'