

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

Census Division and State¹	July - September 2016	April - June 2016	July - September 2015	Year to Date		Percent Change
				2016	2015	
New England						
Btu	12,633	12,689	13,189	12,634	13,122	-3.7
Sulfur	0.81	0.87	0.78	0.84	0.77	8.9
Ash	8.33	8.28	6.76	8.35	7.07	18.0
Maine						
Btu	12,619	12,619	12,592	12,619	12,484	1.1
Sulfur	0.79	0.79	0.73	0.79	0.72	10.3
Ash	8.31	8.31	8.05	8.31	8.15	2.0
Massachusetts						
Btu	12,818	12,889	13,479	12,717	13,519	-5.9
Sulfur	1.01	1.10	0.81	1.08	0.80	35.8
Ash	8.60	8.18	6.14	8.54	6.40	33.5
Middle Atlantic						
Btu	13,578	13,665	13,728	13,682	13,706	-0.2
Sulfur	1.08	0.94	1.07	1.06	1.08	-1.4
Ash	8.94	7.26	8.08	8.05	8.26	-2.5
New York						
Btu	13,471	13,485	13,383	13,487	13,238	1.9
Sulfur	1.18	1.31	1.62	1.38	1.49	-7.7
Ash	6.88	6.69	8.16	6.94	8.59	-19.2
Pennsylvania						
Btu	13,587	13,682	13,757	13,701	13,746	-0.3
Sulfur	1.07	0.91	1.02	1.03	1.04	-0.9
Ash	9.13	7.32	8.07	8.16	8.23	-0.9
East North Central						
Btu	13,164	13,140	13,206	13,140	13,099	0.3
Sulfur	1.15	1.20	1.18	1.23	1.22	0.2
Ash	7.32	7.28	7.28	7.28	7.29	-0.1
Illinois						
Btu	11,533	11,564	11,698	11,554	11,549	s
Sulfur	2.04	2.17	1.99	2.19	2.07	5.9
Ash	7.59	7.78	7.45	7.77	7.50	3.6
Indiana						
Btu	13,867	13,937	14,003	13,938	13,921	0.1
Sulfur	0.91	0.88	0.94	0.90	0.93	-2.7
Ash	7.37	7.16	7.02	7.16	7.11	0.7
Michigan						
Btu	13,008	12,974	12,761	12,861	12,672	1.5
Sulfur	0.71	0.75	0.87	0.71	0.81	-12.2
Ash	6.76	6.60	7.40	6.57	7.20	-8.9
Ohio						
Btu	14,068	13,810	14,032	13,915	13,980	-0.5
Sulfur	1.04	1.12	1.07	1.10	1.14	-3.3
Ash	7.34	7.36	7.50	7.37	7.48	-1.4
Wisconsin						
Btu	10,501	10,870	11,481	10,622	11,171	-4.9
Sulfur	0.73	0.90	1.23	0.93	1.28	-26.9
Ash	6.92	6.89	7.08	6.79	7.05	-3.7
West North Central						
Btu	8,390	8,175	8,483	8,253	8,347	-1.1
Sulfur	0.89	0.94	0.91	0.89	0.92	-2.9
Ash	6.14	6.31	6.21	6.18	6.28	-1.6
Iowa						
Btu	9,155	9,175	9,357	9,140	9,235	-1.0
Sulfur	0.84	0.89	1.02	0.85	0.92	-8.4
Ash	5.35	5.26	5.68	5.26	5.40	-2.5
Kansas						
Btu	11,972	10,966	12,347	11,339	12,087	-6.2
Sulfur	1.60	1.59	1.77	1.74	1.64	6.6
Ash	8.84	9.84	9.26	10.31	9.53	8.2

Census Division and State <sup>1</sup>	July - September 2016	April - June 2016	July - September 2015	Year to Date		Percent Change
				2016	2015	
Minnesota						
Btu	9,278	9,286	8,994	9,307	9,080	2.5
Sulfur	0.35	0.33	0.27	0.35	0.29	21.1
Ash	4.32	4.08	5.00	4.20	4.89	-14.1
Missouri						
Btu	11,282	11,290	11,086	11,275	11,149	1.1
Sulfur	2.20	2.20	2.30	2.15	2.26	-4.7
Ash	8.47	8.17	9.15	8.44	9.05	-6.7
Nebraska						
Btu	9,064	9,233	9,234	9,020	9,049	-0.3
Sulfur	0.25	0.26	0.25	0.24	0.24	0.6
Ash	4.74	5.12	4.67	4.78	4.66	2.6
North Dakota						
Btu	7,218	7,247	7,217	7,231	7,212	0.3
Sulfur	0.90	0.95	0.91	0.94	0.95	-1.2
Ash	6.62	6.72	6.64	6.70	6.75	-0.7
South Dakota						
Btu	8,259	8,126	8,178	8,203	8,194	0.1
Sulfur	0.40	0.43	0.47	0.47	0.46	3.1
Ash	5.19	5.51	5.68	5.68	5.63	1.0
South Atlantic						
Btu	13,311	13,271	13,110	13,313	13,137	1.3
Sulfur	1.17	1.15	1.18	1.15	1.14	0.8
Ash	9.65	9.25	9.94	9.19	9.63	-4.6
Florida						
Btu	13,095	13,218	13,109	13,106	13,025	0.6
Sulfur	1.23	0.98	1.04	1.11	0.98	13.3
Ash	7.22	5.20	7.46	6.33	7.54	-16.0
Georgia						
Btu	12,920	12,802	13,054	12,925	13,051	-1.0
Sulfur	0.95	0.99	1.14	0.98	1.12	-12.5
Ash	8.64	9.40	8.94	8.69	8.61	0.8
Maryland						
Btu	10,868	10,913	10,876	10,888	11,026	-1.3
Sulfur	1.78	1.84	1.80	1.84	1.90	-3.4
Ash	24.37	23.83	23.76	23.88	23.22	2.9
North Carolina						
Btu	13,226	13,063	13,091	13,104	12,955	1.2
Sulfur	0.94	0.95	0.93	0.94	0.93	1.9
Ash	7.28	7.40	6.89	7.19	6.91	4.0
South Carolina						
Btu	12,804	12,889	12,844	12,998	12,827	1.3
Sulfur	1.15	0.93	0.91	0.91	0.92	-0.8
Ash	9.78	6.99	6.89	8.03	6.54	22.8
Virginia						
Btu	14,061	13,955	13,983	14,017	13,902	0.8
Sulfur	0.96	1.05	1.11	1.04	1.09	-5.0
Ash	7.05	7.40	7.84	7.19	7.80	-7.9
West Virginia						
Btu	14,015	13,885	13,363	13,886	13,444	3.3
Sulfur	1.31	1.21	1.20	1.24	1.09	14.4
Ash	7.79	7.76	8.70	7.81	8.68	-10.0
East South Central						
Btu	13,298	13,422	13,312	13,379	13,272	0.8
Sulfur	1.16	1.19	1.12	1.16	1.17	-1.0
Ash	7.85	7.34	7.76	7.46	7.66	-2.6
Alabama						
Btu	13,615	13,873	13,636	13,713	13,557	1.1
Sulfur	0.99	1.01	0.98	0.97	1.02	-4.7
Ash	8.21	7.52	7.98	7.69	7.85	-2.1
Kentucky						
Btu	13,040	12,742	13,031	13,145	13,155	-0.1
Sulfur	1.14	1.22	0.95	1.12	1.02	9.8
Ash	7.48	7.41	7.04	7.18	6.79	5.9

Census Division and State <sup>1</sup>	July - September 2016	April - June 2016	July - September 2015	Year to Date		Percent Change
				2016	2015	
Mississippi						
Btu	10,966	11,572	11,560	11,367	11,558	-1.7
Sulfur	2.27	2.33	2.32	2.31	2.27	1.6
Ash	7.75	7.35	7.72	7.60	7.87	-3.4
Tennessee						
Btu	13,204	13,252	13,110	13,191	13,067	0.9
Sulfur	1.30	1.33	1.32	1.32	1.35	-2.7
Ash	7.63	7.10	7.79	7.29	7.82	-6.8
West South Central						
Btu	9,670	9,886	10,016	9,844	10,122	-2.8
Sulfur	0.65	0.62	0.63	0.64	0.62	2.9
Ash	8.82	8.07	8.05	8.36	7.84	6.7
Arkansas						
Btu	12,148	11,925	11,888	12,018	11,885	1.1
Sulfur	2.00	1.50	1.56	1.59	1.48	7.3
Ash	11.17	11.48	10.80	11.06	10.85	1.9
Louisiana						
Btu	7,591	7,545	7,786	7,663	7,797	-1.7
Sulfur	0.66	0.62	0.83	0.65	0.79	-17.5
Ash	8.94	6.28	7.06	7.31	6.61	10.6
Oklahoma						
Btu	9,699	9,523	9,689	9,616	9,639	-0.2
Sulfur	0.37	0.37	0.43	0.37	0.39	-5.3
Ash	5.15	5.21	5.85	5.23	5.56	-6.1
Texas						
Btu	9,996	10,637	10,568	10,347	10,622	-2.6
Sulfur	0.54	0.55	0.52	0.55	0.55	-0.2
Ash	10.69	10.25	9.39	10.38	8.96	15.7
Mountain						
Btu	10,737	10,765	10,732	10,625	10,622	s
Sulfur	0.57	0.61	0.58	0.59	0.59	-0.5
Ash	7.71	7.92	7.30	7.43	7.25	2.5
Arizona						
Btu	11,497	11,583	11,621	11,628	11,554	0.6
Sulfur	0.62	0.69	0.69	0.71	0.67	5.2
Ash	12.08	11.70	10.75	11.49	10.86	5.8
Colorado						
Btu	11,709	11,962	11,570	11,442	11,488	-0.4
Sulfur	0.54	0.58	0.60	0.53	0.60	-12.1
Ash	8.83	9.42	6.70	8.49	6.83	24.4
Idaho						
Btu	11,595	11,299	11,292	11,329	11,157	1.5
Sulfur	0.53	0.54	0.71	0.55	0.66	-16.5
Ash	12.16	11.03	7.48	10.92	7.69	41.9
Montana						
Btu	9,596	9,644	9,447	9,143	9,141	s
Sulfur	0.34	0.37	0.35	0.33	0.36	-7.1
Ash	4.78	4.73	4.92	4.97	5.00	-0.6
Nevada						
Btu	11,268	11,351	11,372	11,312	11,304	0.1
Sulfur	0.40	0.43	0.45	0.43	0.48	-10.3
Ash	8.87	8.78	9.63	9.10	9.93	-8.4
New Mexico						
Btu	12,245	12,246	12,323	12,265	12,346	-0.7
Sulfur	0.68	0.67	0.73	0.70	0.78	-10.4
Ash	10.21	10.01	9.20	10.01	9.25	8.2
Utah						
Btu	11,365	11,431	11,283	11,417	11,413	s
Sulfur	0.50	0.54	0.51	0.52	0.53	-1.3
Ash	10.08	10.65	10.43	10.44	10.51	-0.6
Wyoming						
Btu	9,869	9,888	9,890	9,885	9,790	1.0
Sulfur	0.68	0.70	0.63	0.67	0.64	6.0
Ash	4.94	5.18	4.86	4.83	4.87	-0.8

Census Division and State <sup>1</sup>	July - September 2016	April - June 2016	July - September 2015	Year to Date		Percent Change
				2016	2015	
<b>Pacific</b>						
Btu	11,429	11,424	11,438	11,453	11,505	-0.5
Sulfur	0.59	0.58	0.61	0.60	0.57	3.6
Ash	10.69	10.45	10.93	10.35	10.25	1.0
<b>California</b>						
Btu	11,543	11,568	11,551	11,602	11,637	-0.3
Sulfur	0.60	0.59	0.63	0.62	0.60	3.5
Ash	11.07	10.87	11.27	10.78	10.68	1.0
<b>Hawaii</b>						
<b>Oregon</b>						
Btu	11,438	11,708	11,483	11,515	11,742	-1.9
Sulfur	0.52	0.52	0.53	0.53	0.52	0.8
Ash	10.66	10.47	11.47	10.93	10.25	6.6
<b>Washington</b>						
Btu	9,484	9,287	9,469	9,387	9,406	-0.2
Sulfur	0.29	0.36	0.35	0.33	0.34	-2.1
Ash	4.16	4.42	4.38	4.22	4.24	-0.4
<b>U.S. Total</b>						
Btu	11,840	11,783	11,987	11,778	11,887	-0.9
Sulfur	1.01	1.03	1.02	1.04	1.04	-0.6
Ash	7.70	7.41	7.61	7.45	7.59	-1.8

<sup>1</sup> 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.'