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

Census Division and State ¹	January - March 2012	October - December 2011	January - March 2011	Year to Date		
				2012	2011	Percent Change
New England						
Btu	13,313	13,035	13,162	13,313	13,162	1.1
Sulfur	0.69	0.68	0.69	0.69	0.69	0.9
Ash	6.13	6.33	6.19	6.13	6.19	-0.9
Maine						
Btu	W	W	W	W	W	W
Sulfur	W	W	W	W	W	W
Ash	W	W	W	W	W	W
Massachusetts						
Btu	13,480	13,167	13,417	13,480	13,417	0.5
Sulfur	0.67	0.64	0.63	0.67	0.63	5.6
Ash	5.96	6.16	5.38	5.96	5.38	10.7
Middle Atlantic						
Btu	3,466	12,589	12,616	3,466	12,616	-72.5
Sulfur	1.3	1.23	1.14	1.3	1.14	14.0
Ash	9.48	9.18	8.45	9.48	8.45	12.2
New York						
Btu	10,125	12,849	13,015	10,125	13,015	-22.2
Sulfur	1.48	1.5	1.57	1.48	1.57	-5.6
Ash	8.02	8.24	8.38	8.02	8.38	-4.3
Pennsylvania						
Btu	2,592	12,552	12,571	2,592	12,571	-79.4
Sulfur	1.28	1.19	1.09	1.28	1.09	16.8
Ash	9.67	9.32	8.46	9.67	8.46	14.3
East North Central						
Btu	4,957	12,494	12,285	4,957	12,285	-59.7
Sulfur	1.28	1.17	1.41	1.28	1.41	-8.8
Ash	7.33	7.24	7.56	7.33	7.56	-3.0
Illinois						
Btu	7,131	11,254	11,286	7,131	11,286	-36.8
Sulfur	2	1.69	1.69	2	1.69	18.2
Ash	7.56	7.23	6.99	7.56	6.99	8.2
Indiana						
Btu	2,951	13,148	12,643	2,951	12,643	-76.7
Sulfur	0.92	0.95	1.41	0.92	1.41	-34.7
Ash	7.3	7.1	8.24	7.3	8.24	-11.4
Michigan						
Btu	11,561	12,601	12,992	11,561	12,992	-11.0
Sulfur	0.79	0.76	0.81	0.79	0.81	-1.4
Ash	7.11	7.51	7.08	7.11	7.08	0.4
Ohio						
Btu	3,334	12,965	12,895	3,334	12,895	-74.1
Sulfur	1.23	1.19	1.28	1.23	1.28	-3.9
Ash	7.27	7.21	6.93	7.27	6.93	4.9
Wisconsin						
Btu	10,885	11,208	10,921	10,885	10,921	-0.3
Sulfur	1.42	1.48	1.37	1.42	1.37	3.4

Ash	7.09	7.52	7.41	7.09	7.41	-4.3
West North Central						
Btu	8,238	8,503	8,376	8,238	8,376	-1.6
Sulfur	0.8	0.95	1.08	0.8	1.08	-25.6
Ash	6.08	6.4	6.38	6.08	6.38	-4.7
Iowa						
Btu	9,147	9,907	9,826	9,147	9,826	-6.9
Sulfur	0.66	1.44	1.96	0.66	1.96	-66.4
Ash	5.28	6.5	7.17	5.28	7.17	-26.4
Kansas						
Btu	11,781	12,173	11,583	11,781	11,583	1.7
Sulfur	2.87	1.76	2.49	2.87	2.49	15.3
Ash	13.88	10.66	13.57	13.88	13.57	2.3
Minnesota						
Btu	9,859	9,550	9,874	9,859	9,874	-0.1
Sulfur	0.42	0.36	0.41	0.42	0.41	2.2
Ash	4.92	5.12	4.98	4.92	4.98	-1.1
Missouri						
Btu	11,301	11,362	11,331	11,301	11,331	-0.3
Sulfur	2.17	1.78	2.25	2.17	2.25	-3.9
Ash	9.08	10.07	7.79	9.08	7.79	16.5
Nebraska						
Btu	8,963	9,120	8,802	8,963	8,802	1.8
Sulfur	0.24	0.25	0.23	0.24	0.23	4.4
Ash	4.9	5.49	4.6	4.9	4.6	6.6
North Dakota						
Btu	7,190	7,235	7,239	7,190	7,239	-0.7
Sulfur	0.89	0.91	0.85	0.89	0.85	4.3
Ash	6.46	6.48	6.36	6.46	6.36	1.5

See footnotes at end
of table.

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

Census Division and State	January - March 2012	October - December 2011	January - March 2011	Year to Date		
				2012	2011	Percent Change
South Dakota						
Btu	8,321	8,299	8,255	8,321	8,255	0.8
Sulfur	0.55	0.64	0.4	0.55	0.4	37.5
Ash	6.83	6.52	4.67	6.83	4.67	46.2
South Atlantic						
Btu	9,397	12,665	12,854	9,397	12,854	-26.9
Sulfur	1.13	1.15	1.18	1.13	1.18	-3.7
Ash	9.99	9.77	9.06	9.99	9.06	10.3
Florida						
Btu	13,099	12,730	12,872	13,099	12,872	1.8
Sulfur	0.95	1.1	0.97	0.95	0.97	-2.3
Ash	9.68	10.01	8.79	9.68	8.79	10.1
Georgia						
Btu	12,792	12,723	12,704	12,792	12,704	0.7
Sulfur	0.97	1.03	1.19	0.97	1.19	-18.1
Ash	8.77	8.95	8.88	8.77	8.88	-1.2

Maryland						
Btu	11,475	11,681	11,908	11,475	11,908	-3.6
Sulfur	1.48	1.71	2.13	1.48	2.13	-30.7
Ash	20.48	18.56	18.53	20.48	18.53	10.6
North Carolina						
Btu	13,008	12,857	12,954	13,008	12,954	0.4
Sulfur	1.03	1.06	0.95	1.03	0.95	9.0
Ash	7.03	8.12	7.06	7.03	7.06	-0.4
South Carolina						
Btu	12,575	12,733	12,812	12,575	12,812	-1.9
Sulfur	1.23	1.16	1.22	1.23	1.22	1.1
Ash	8.78	8.7	8.39	8.78	8.39	4.6
Virginia						
Btu	7,505	12,916	13,158	7,505	13,158	-43.0
Sulfur	1.13	1	1.11	1.13	1.11	2.0
Ash	8.02	7.8	8.33	8.02	8.33	-3.7
West Virginia						
Btu	6,040	12,769	12,825	6,040	12,825	-52.9
Sulfur	1.07	1.1	1.07	1.07	1.07	-0.4
Ash	9.32	8.66	8.29	9.32	8.29	12.4
East South Central						
Btu	10,073	12,699	12,965	10,073	12,965	-22.3
Sulfur	1.12	1.04	1.08	1.12	1.08	3.1
Ash	7.71	7.46	7.55	7.71	7.55	2.1
Alabama						
Btu	5,957	12,368	12,936	5,957	12,936	-54.0
Sulfur	1.04	0.93	1.02	1.04	1.02	2.0
Ash	7.62	6.93	8.09	7.62	8.09	-5.8
Kentucky						
Btu	12,973	13,004	12,966	12,973	12,966	*
Sulfur	0.96	1.02	0.93	0.96	0.93	3.8
Ash	6.63	7.06	6.25	6.63	6.25	6.1
Mississippi						
Btu	W	W	W	W	W	W
Sulfur	W	W	W	W	W	W
Ash	W	W	W	W	W	W
Tennessee						
Btu	12,938	12,927	13,048	12,938	13,048	-0.8
Sulfur	1.2	1.14	1.2	1.2	1.2	0.2
Ash	8.22	8.39	7.8	8.22	7.8	5.4
West South Central						
Btu	10,400	9,942	10,321	10,400	10,321	0.8
Sulfur	0.68	0.66	0.72	0.68	0.72	-4.7
Ash	8.86	9.24	9.31	8.86	9.31	-4.8
Arkansas						
Btu	12,094	11,770	12,295	12,094	12,295	-1.6
Sulfur	1.11	1.06	0.94	1.11	0.94	17.8
Ash	8.59	10.27	10.68	8.59	10.68	-19.6
Louisiana						
Btu	11,548	11,441	7,591	11,548	7,591	52.1
Sulfur	1.25	1.18	1.05	1.25	1.05	19.3
Ash	6.14	6.66	10.93	6.14	10.93	-43.8
Oklahoma						
Btu	9,807	9,385	9,445	9,807	9,445	3.8
Sulfur	0.38	0.38	0.34	0.38	0.34	12.8
Ash	5.6	5.24	4.84	5.6	4.84	15.7
Texas						

Btu	10,299	9,759	10,409	10,299	10,409	-1.1
Sulfur	0.75	0.74	0.81	0.75	0.81	-6.8
Ash	11.33	11.88	10.87	11.33	10.87	4.2

See footnotes at end of table.

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

Census Division and State	January - March 2012	October - December 2011	January - March 2011	Year to Date		
				2012	2011	Percent Change
Mountain						
Btu	10,110	9,653	10,219	10,110	10,219	-1.1
Sulfur	0.66	0.66	0.67	0.66	0.67	-1.2
Ash	6.96	7.13	7.94	6.96	7.94	-12.4
Arizona						
Btu	10,320	9,637	9,884	10,320	9,884	4.4
Sulfur	0.73	0.72	0.89	0.73	0.89	-17.7
Ash	12.42	12.65	14.57	12.42	14.57	-14.8
Colorado						
Btu	11,060	12,294	11,254	11,060	11,254	-1.7
Sulfur	0.42	0.49	0.48	0.42	0.48	-11.9
Ash	8.71	9.09	10.11	8.71	10.11	-13.9
Idaho						
Btu	10,099	10,031	10,111	10,099	10,111	-0.1
Sulfur	0.81	0.86	0.83	0.81	0.83	-3.1
Ash	5.55	5.13	6.92	5.55	6.92	-19.8
Montana						
Btu	8,398	7,197	7,003	8,398	7,003	19.9
Sulfur	0.4	0.57	0.44	0.4	0.44	-9.7
Ash	5.9	7.57	9.06	5.9	9.06	-34.9
Nevada						
Btu	11,095	5,777	11,469	11,095	11,469	-3.3
Sulfur	0.38	0.23	0.36	0.38	0.36	7.8
Ash	9.6	5.14	8.23	9.6	8.23	16.7
New Mexico						
Btu	W	W	W	W	W	W
Sulfur	W	W	W	W	W	W
Ash	W	W	W	W	W	W
Utah						
Btu	11,505	11,527	11,555	11,505	11,555	-0.4
Sulfur	0.54	0.54	0.55	0.54	0.55	-2.2
Ash	9.59	9.38	8.45	9.59	8.45	13.5
Wyoming						
Btu	9,766	9,721	9,849	9,766	9,849	-0.8
Sulfur	0.71	0.71	0.69	0.71	0.69	3.1
Ash	4.78	5.15	5.4	4.78	5.4	-11.5
Pacific						
Btu	11,469	11,467	11,492	11,469	11,492	-0.2
Sulfur	0.52	0.54	0.47	0.52	0.47	10.7
Ash	10.18	10.3	9.74	10.18	9.74	4.5
California						
Btu	11,639	11,591	11,627	11,639	11,627	*

Sulfur	0.54	0.55	0.48	0.54	0.48	12.3
Ash	10.7	10.78	10.15	10.7	10.15	5.4
Hawaii						
Btu	W	W	-	W	-	-
Sulfur	W	W	-	W	-	-
Ash	W	W	-	W	-	-
Oregon						
Btu	W	W	W	W	W	W
Sulfur	W	W	W	W	W	W
Ash	W	W	W	W	W	W
Washington						
Btu	W	W	W	W	W	W
Sulfur	W	W	W	W	W	W
Ash	W	W	W	W	W	W
U.S. Total						
Btu	7,223	11,487	11,594	7,223	11,594	-37.7
Sulfur	1.07	1.06	1.17	1.07	1.17	-8.4
Ash	7.83	7.78	7.78	7.83	7.78	0.6

1 Quality units are Btu (per pound); sulfur (percent by weight); and ash (percent by weight).

* Absolute percentage less than 0.05.

- = No data are reported.

W = Data withheld to avoid disclosure.

Note: · Btu data for coke plants are calculated using the following reported data:

Low Volatile equals 13,340 Btu per pound, medium volatile equals 13,753 Btu per pound, and high volatile equals 12,826 Btu per pound. The following states include sulfur and ash data for coke plants: New York, Pennsylvania, Illinois, Indiana, Michigan, Ohio, Virginia, West Virginia, Alabama, and Kentucky.

Source: · U.S. Energy Information Administration (EIA), Form EIA-3, Transformation/Processing "Quarterly Coal Consumption and Quality Report - Manufacturing and Coal Plants and Institutional Coal Users" and Form EIA-5, "Quarterly Coal Consumption and Quality Report - Coke Plants."