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Quarterly Coal Report October – December 2017

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Preface

Data presented in the *Quarterly Coal Report* (QCR) are collected and published by the U.S. Energy Information Administration (EIA) to fulfill data collection and dissemination responsibilities as specified in the Federal Energy Administration Act of 1974 (Public Law 93-275), as amended.

The *Quarterly Coal Report* (QCR) presents U.S. coal production, exports, imports, receipts, prices, consumption, quality, stocks, and refined coal data. In addition, the QCR offers U.S. coke production, consumption, stocks, imports, and exports data. The fourth quarter 2017 QCR includes detailed quarterly coal data for October – December 2017 and aggregated quarterly historical coal data for 2010 through fourth quarter 2017.

All data for 2016 and prior years are final. All data for 2017 are preliminary.

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Table ES-1. U.S. Coal Summary Statistics, 2011 - 2017

(thousand short tons)

Year and Quarter	Production ¹	Imports	Waste Coal Supplied	Producer and Distributor Stocks ²	Consumption	Exports	Consumer Stocks ²	Losses and Unaccounted For ³
2011								
January - March	273,478	3,381	3,354	48,165	254,647	26,617	172,581	-
April - June	264,291	3,419	3,069	50,507	241,247	26,987	171,795	-
July - September	275,006	3,588	3,500	49,909	279,722	25,976	150,881	-
October - December	282,853	2,700	3,287	51,897	227,332	27,679	180,054	-
Total	1,095,628	13,088	13,209		1,002,948	107,259		11,506
2012								
January - March	266,865	2,022	2,893	51,141	207,833	28,642	202,166	-
April - June	241,047	2,329	2,500	50,374	201,555	37,534	205,023	-
July - September	258,956	2,415	2,982	46,231	253,984	31,563	189,530	-
October - December	249,591	2,394	2,821	46,157	225,813	28,006	192,696	-
Total	1,016,458	9,159	11,196		889,185	125,746		14,980
2013								
January - March	244,867	1,429	3,169	48,422	228,987	31,835	178,419	-
April - June	243,211	2,756	2,687	50,129	216,014	29,427	178,110	-
July - September	257,595	2,398	2,782	47,135	253,357	28,589	160,079	-
October - December	239,169	2,323	2,640	45,652	226,084	27,809	154,676	-
Total	984,842	8,906	11,279		924,442	117,659		1,451
2014								
January - March	245,271	2,450	3,277	44,728	248,329	27,584	123,990	-
April - June	245,844	3,574	2,896	42,682	211,881	24,674	139,471	-
July - September	255,377	3,151	3,256	38,828	247,453	22,723	131,386	-
October - December	253,557	2,174	2,662	38,894	210,068	22,276	158,833	-
Total	1,000,049	11,350	12,090		917,731	97,257		11,101
2015								
January - March	240,324	3,009	2,821	39,610	212,772	21,979	160,509	-
April - June	212,557	2,640	2,209	39,399	188,975	19,766	173,314	-
July - September	236,823	2,965	2,722	36,213	229,393	16,914	169,784	-
October - December	207,237	2,705	2,217	35,871	166,974	15,299	202,560	-
Total	896,941	11,318	9,969		798,115	73,958		5,452
2016								
January - March	173,225	2,698	2,829	35,207	166,448	14,153	197,755	-
April - June	160,853	2,292	2,174	32,932	160,278	14,223	188,060	-
July - September	195,101	2,733	2,880	27,282	223,358	12,552	162,318	-
October - December	199,186	2,124	2,256	25,309	180,987	19,343	167,681	-
Total	728,364	9,846	10,138		731,071	60,271		2,449
2017								
January - March	197,033	1,915	2,511	25,190*	173,482	22,307	166,649	-
April - June	187,082	2,197	1,840	23,430*	166,842	21,796	162,970	-
July - September	196,161	2,308	2,342	21,984*	203,898	24,644	144,809	-
October - December	193,842	1,357	2,055	21,108*	172,740	28,206	142,431	-
Total	774,118	7,777	8,748		716,961	96,953		6,179
2016 January - December	728,364	9,846	10,138		731,071	60,271		-
2015 January - December	896,941	11,318	9,969		798,115	73,958		-

1 Includes refuse recovery.

2 Reported as of the last day of the quarter.

3 'Losses and Unaccounted For' is calculated as production plus imports plus waste coal supplied minus the change in producer and distributor stocks minus consumption minus exports minus the change in consumer stocks.

* Estimated.

Note: Beginning with 1999, the first three quarters of Producer and Distributor Stocks data for each year are estimated. Total may not equal sum of components because of independent rounding.

Source: *Production: U.S. Department of Labor, Mine Safety and Health Administration, Form 7000-2, 'Quarterly Mine Employment and Coal Production Report.' *Imports: U.S. Department of Commerce, Bureau of the Census, 'Monthly Report IM 145.' **Waste Coal Supplied: Form EIA-923, 'Power Plant Operations Report' and Form EIA-3, 'Quarterly Survey of Industrial, Commercial & Institutional Coal Users.' *Producer and Distributor Stocks: 'Short-Term Energy Outlook' estimates, Form EIA-7A, 'Annual Survey of Coal Production and Preparation,' and Form EIA-8A, 'Annual Survey of Coal Stocks and Coal Exports.' *Exports: U.S. Department of Commerce, Bureau of the Census, 'Monthly Report EM 545.' *Consumption: Form EIA-923, 'Power Plant Operations Report,' Form EIA-3, 'Quarterly Survey of Industrial, Commercial & Institutional Coal Users,' and Form EIA-7A, 'Annual Survey of Coal Production and Preparation.' *Consumer Stocks: Form EIA-923, 'Power Plant Operations Report' and 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.'

Table ES-2. U.S. Coke Summary Statistics, 2011 - 2017

(thousand short tons)

Year and Quarter	Production	Imports	Producer and Distributor Stocks¹	Consumption²	Exports
2011					
January - March	3,708	289	648	3,870	181
April - June	3,887	371	681	3,996	229
July - September	3,907	451	704	4,073	261
October - December	3,919	307	745	3,886	299
Total	15,420	1,418		15,825	970
2012					
January - March	3,857	365	636	4,160	172
April - June	3,863	462	594	4,165	203
July - September	3,726	145	532	3,722	210
October - December	3,726	162	606	3,425	389
Total	15,172	1,135		15,472	974
2013					
January - March	3,841	57	573	3,763	167
April - June	3,954	42	757	3,599	212
July - September	3,742	31	778	3,539	213
October - December	3,783	8	872	3,450	247
Total	15,320	138		14,351	840
2014					
January - March	3,483	2	718	3,515	124
April - June	3,718	38	751	3,531	192
July - September	4,036	12	786	3,697	316
October - December	3,917	25	797	3,616	315
Total	15,154	77		14,359	946
2015					
January - March	3,611	3	1,044	3,204	163
April - June	3,511	10	1,127	3,135	302
July - September	3,507	74	785	3,770	152
October - December	3,126	54	707	3,018	239
Total	13,755	140		13,128	857
2016					
January - March	2,950	4	831	2,757	72
April - June	2,927	95	765	2,919	169
July - September	2,987	73	656	2,877	291
October - December	2,992	57	579	2,659	467
Total	11,855	229		11,212	1,000
2017					
January - March	3,027	1	448	2,918	242
April - June	3,124	27	414	2,953	231
July - September	3,411	5	465	3,087	278
October - December	3,386	25	558	2,860	458
Total	12,948	58		11,818	1,209
2016 January - December	11,855	229		11,212	1,000
2015 January - December	13,755	140		13,128	857

1 Reported as of the last day of the quarter.

2 Consumption is equal to production plus imports minus the change in producer and distributor stocks minus exports.

Note: Total may not equal sum of components because of independent rounding.

Source: *Production, Consumption, and Producer and Distributor Stocks: U.S. Energy Information Administration (EIA), Form EIA-3, 'Quarterly Survey of Industrial, Commercial & Institutional Coal Users.'

*Imports: U.S. Department of Commerce, Bureau of the Census, 'Monthly Report IM 145.' *Exports: U.S. Department of Commerce, Bureau of the Census, 'Monthly Report EM 545.' Prior to third quarter 2014, coke plant data was collected under Form EIA-5, 'Quarterly Coal Consumption and Quality Report - Coke Plants.'

Table ES-3. Summary Statistics for Coal Refining Plants, 2012 - 2017

(thousand short tons)

Year and Quarter	Coal Receipts by Rank				Average Price of Receipts (dollars per short ton)	Refined Coal Produced	Refined Coal Sold
	Bituminous	Subbituminous	Lignite	Total			
2012							
January - March	30	1,890	231	2,151	27.47	1,756	-
April - June	-	2,853	992	3,844	25.42	3,668	-
July - September	-	2,806	2,593	5,399	24.32	4,182	-
October - December	-	2,571	2,347	4,919	24.55	4,434	-
Total	30	10,120	6,164	16,313	25.06	14,040	-
2013							
January - March	-	2,733	2,334	5,067	24.60	4,989	-
April - June	-	2,105	1,910	4,015	25.24	3,615	-
July - September	54	3,279	2,823	6,156	26.93	6,197	-
October - December	733	3,848	2,635	7,216	29.01	6,111	-
Total	786	11,966	9,701	22,454	26.77	20,912	-
2014							
January - March	486	4,887	2,623	7,996	29.13	7,717	-
April - June	552	3,985	2,737	7,273	28.16	6,909	-
July - September	426	7,550	3,181	11,157	30.08	10,113	-
October - December	1,130	8,549	2,841	12,520	28.13	11,105	-
Total	2,594	24,972	11,381	38,946	28.90	35,843	-
2015							
January - March	1,475	7,784	3,212	12,471	29.07	11,403	-
April - June	1,355	7,435	3,146	11,936	28.67	11,237	-
July - September	w	w	w	w	w	w	w
October - December	w	w	w	w	w	w	w
Total	w	w	w	w	w	w	w
2016							
January - March	w	w	w	w	w	w	w
April - June	w	w	w	w	w	w	w
July - September	w	w	w	w	w	w	w
October - December	w	w	w	w	w	w	w
Total	w	w	w	w	w	w	w
2017							
January - March	w	w	w	w	w	w	w
April - June	w	w	w	w	w	w	w
July - September	15,127	17,625	3,186	35,938	35.64	33,556	33,556
October - December	13,245	17,509	2,798	33,552	35.75	31,894	31,894
Total	w	w	w	w	w	w	w

w = Data withheld to avoid disclosure.

Note: Average price is based on the cost, insurance, and freight (c.i.f. value). Total may not equal sum of components because of independent rounding.

Source: U.S. Energy Information Administration (EIA), Form EIA-3, 'Quarterly Survey of Industrial, Commercial & Institutional Coal Users.'

Respondent survey frame updated for Q3 2017 to include full universe of coal refining facilities. Frame was incomplete prior to Q3 2017, resulting in incomplete data.

Production

Table 1. U.S. Coal Production, 2011 - 2017

(thousand short tons)

Year	January - March	April - June	July - September	October - December	Total
2011	273,478	264,291	275,006	282,853	1,095,628
2012	266,865	241,047	258,956	249,591	1,016,458
2013	244,867	243,211	257,595	239,169	984,842
2014	245,271	245,844	255,377	253,557	1,000,049
2015	240,324	212,557	236,823	207,237	896,941
2016	173,225	160,853	195,101	199,186	728,364
2017	197,033	187,082	196,161	193,842	774,118

Note: Total may not equal sum of components because of independent rounding.

Source: U.S. Department of Labor, Mine Safety and Health Administration, Form 7000-2, 'Quarterly Mine Employment and Coal Production Report.'

Table 2. Coal Production by State

(thousand short tons)

Coal-Producing Region and State	October - December 2017	July - September 2017	October - December 2016	Year to Date		Percent Change
				2017	2016	
Alabama	3,084	2,780	2,597	12,613	9,643	30.8
Alaska	264	237	211	959	932	2.9
Arizona	1,798	1,374	1,384	6,221	5,423	14.7
Arkansas	-	-	11	27	49	-46.4
Colorado	3,745	3,147	4,012	15,047	12,634	19.1
Illinois	11,430	11,311	10,990	48,128	43,422	10.8
Indiana	7,668	7,738	7,296	31,418	28,767	9.2
Kansas	-	-	-	-	27	-
Kentucky Total	9,926	9,890	11,164	42,608	42,868	-0.6
Eastern (Kentucky)	4,613	4,205	4,427	18,842	16,772	12.3
Western (Kentucky)	5,314	5,686	6,737	23,766	26,096	-8.9
Louisiana	489	164	805	2,079	2,798	-25.7
Maryland	351	431	491	1,662	1,616	2.8
Mississippi	582	453	751	2,604	2,870	-9.3
Missouri	60	63	60	244	234	4.5
Montana	9,739	10,450	9,398	35,232	32,336	9.0
New Mexico	2,765	3,175	3,691	13,198	13,341	-1.1
North Dakota	7,506	7,463	7,455	28,788	28,121	2.4
Ohio	2,439	2,265	2,451	9,336	12,564	-25.7
Oklahoma	146	131	160	561	654	-14.2
Pennsylvania Total	12,165	11,688	12,802	49,065	45,720	7.3
Anthracite (Pennsylvania)	483	409	387	1,849	1,500	23.3
Bituminous (Pennsylvania)	11,682	11,279	12,416	47,217	44,220	6.8
Tennessee	71	90	141	431	644	-33.1
Texas	9,906	9,288	10,071	36,338	39,001	-6.8
Utah	4,127	3,272	3,673	14,326	13,966	2.6
Virginia	3,133	3,137	3,339	13,205	12,910	2.3
West Virginia Total	24,241	21,528	21,064	92,733	79,757	16.3
Northern (West Virginia)	12,375	10,389	11,505	46,785	43,524	7.5
Southern (West Virginia)	11,866	11,139	9,559	45,948	36,233	26.8
Wyoming	78,052	85,867	84,943	316,454	297,218	6.5
Appalachia Total	50,096	46,123	47,312	197,887	179,626	10.2
Appalachia Central	19,683	18,570	17,466	78,426	66,558	17.8
Appalachia Northern	27,330	24,773	27,249	106,849	103,424	3.3
Appalachia Southern	3,084	2,780	2,597	12,613	9,643	30.8
Interior Region Total	35,594	34,833	36,881	145,164	143,917	0.9
Illinois Basin	24,411	24,734	25,022	103,312	98,285	5.1
Interior	11,183	10,099	11,858	41,853	45,632	-8.3
Western Region Total	107,996	114,985	114,768	430,224	403,971	6.5
Powder River Basin	83,362	91,214	90,512	334,366	313,752	6.6
Uinta Region	7,519	6,116	7,287	28,068	25,077	11.9
Western	17,115	17,655	16,969	67,790	65,142	4.1
East of Mississippi River	75,089	71,310	73,086	303,802	280,780	8.2
West of Mississippi River	118,597	124,631	125,875	469,473	446,734	5.1
U.S. Subtotal	193,687	195,941	198,960	773,275	727,514	6.3
Refuse Recovery	155	220	226	843	851	-0.9
U.S. Total	193,842	196,161	199,186	774,118	728,364	6.3

Note: Total may not equal sum of components because of independent rounding.

Source: U.S. Department of Labor, Mine Safety and Health Administration, Form 7000-2, 'Quarterly Mine Employment and Coal Production Report.'

Table 3. Coke and Breeze Production at Coke Plants

(thousand short tons)

Census Division	October - December 2017	July - September 2017	October - December 2016	Year to Date		Percent Change
				2017	2016	
Middle Atlantic	1,056	1,037	874	4,066	3,560	14.2
East North Central	1,905	1,952	1,682	7,181	6,645	8.1
South Atlantic	315	313	318	1,238	1,231	0.6
East South Central	279	270	268	1,069	980	9.1
U.S. Total	3,556	3,573	3,142	13,554	12,416	9.2
Coke Total	3,386	3,411	2,992	12,948	11,855	9.2
Breeze Total	170	162	150	606	561	8.2

Note: Total may not equal sum of components because of independent rounding.

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.'

Exports and Imports

Table 4. U.S. Coal Exports and Imports, 2011 - 2017

(thousand short tons)

Year	January - March		April - June		July - September		October - December		Total	
	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports
2011	26,617	3,381	26,987	3,419	25,976	3,588	27,679	2,700	107,259	13,088
2012	28,642	2,022	37,534	2,329	31,563	2,415	28,006	2,394	125,746	9,159
2013	31,835	1,429	29,427	2,756	28,589	2,398	27,809	2,323	117,659	8,906
2014	27,584	2,450	24,674	3,574	22,723	3,151	22,276	2,174	97,257	11,350
2015	21,979	3,009	19,766	2,640	16,914	2,965	15,299	2,705	73,958	11,318
2016	14,153	2,698	14,223	2,292	12,552	2,733	19,343	2,124	60,271	9,846
2017	22,307	1,915	21,796	2,197	24,644	2,308	28,206	1,357	96,953	7,777

Note: Total may not equal sum of components because of independent rounding.

Source: Exports: U.S. Department of Commerce, Bureau of the Census, 'Monthly Report EM 545;' and Imports: U.S. Department of Commerce, Bureau of the Census, 'Monthly Report IM 145.'

Table 5. Average Price of U.S. Coal Exports and Imports, 2011 - 2017

(dollars per short ton)

Year	January - March		April - June		July - September		October - December		Total	
	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports
2011	139.34	86.00	153.00	105.86	155.88	112.06	147.38	110.19	148.86	103.32
2012	134.88	103.82	118.95	100.89	115.12	93.25	104.64	90.39	118.43	96.78
2013	99.68	86.87	96.77	83.18	91.64	81.66	91.46	83.12	95.06	83.35
2014	90.72	78.15	86.24	80.46	85.69	80.60	84.94	85.48	87.08	80.96
2015	82.31	69.95	80.14	74.40	73.52	71.85	68.61	70.48	76.89	71.61
2016	61.41	63.97	65.79	66.30	67.24	62.70	92.57	71.32	73.66	65.75
2017	110.44	74.81	110.65	79.44	98.79	79.71	90.59	86.54	101.75	79.62

Note: Exports: Average price is based on the free alongside ship (f.a.s.) value. Imports: Average price is based on the customs import value. Customs import value is the price paid for merchandise when sold for exportation to the United States, excluding U.S. import duties, freight, insurance, and other charges incurred in bringing the merchandise to the United States. Total may not equal sum of components because of independent rounding.

Source: Exports: U.S. Department of Commerce, Bureau of the Census, 'Monthly Report EM 545;' and Imports: U.S. Department of Commerce, Bureau of the Census, 'Monthly Report IM 145.'

Table 6. Quantity and Average Price of U.S. Coal Imports by Origin, 2011 - 2017

(short tons and dollars per short ton)

Year and Quarter	Australia	Canada	Colombia	Indonesia	China	Venezuela	Other Countries	Total
2011	61,745	1,680,490	9,500,387	856,038	22,128	778,887	187,931	13,087,606
2012	-	1,107,727	6,951,515	517,532	77,738	287,147	217,598	9,159,257
2013	22	1,116,076	6,575,927	886,920	51,944	42,428	233,108	8,906,425
2014	532	1,026,523	8,295,286	1,526,611	39,776	288,738	172,460	11,349,926
2015	60,994	1,187,655	8,936,034	890,124	16,099	74,175	152,930	11,318,011
2016								
January - March	59,398	239,440	2,190,869	200,846	837	-	6,154	2,697,544
April - June	62,569	240,878	1,987,017	-	469	-	875	2,291,808
July - September	-	323,436	2,176,901	168,154	5,070	-	59,515	2,733,076
October - December	-	274,726	1,536,013	244,944	579	-	67,668	2,123,930
U.S. Total	121,967	1,078,480	7,890,800	613,944	6,955	-	134,212	9,846,358
2017								
January - March	-	204,185	1,649,757	58,863	1,202	-	1,047	1,915,054
April - June	700	205,598	1,789,959	199,996	676	-	121	2,197,050
July - September	-	306,509	1,767,445	196,208	2,081	-	35,740	2,307,983
October - December	-	175,442	879,451	244,386	2,515	46	55,245	1,357,085
U.S. Total	700	891,734	6,086,612	699,453	6,474	46	92,153	7,777,172
Average Price (dollars per short ton)								
2011	52.72	253.79	82.89	47.13	267.33	83.22	127.37	103.32
2012	-	184.89	83.94	53.54	133.39	109.51	131.25	96.78
2013	182.64	145.52	75.11	59.45	107.55	91.81	101.89	83.35
2014	117.40	131.45	78.63	56.36	155.20	83.80	88.53	80.96
2015	60.25	114.88	66.70	56.65	184.78	68.88	103.61	71.61
2016								
January - March	49.49	71.93	64.73	50.45	70.24	-	63.72	63.97
April - June	45.92	73.61	66.00	-	285.66	-	76.90	66.30
July - September	-	80.09	61.74	42.64	117.58	-	55.30	62.70
October - December	-	82.33	69.20	60.12	162.95	-	114.45	71.32
U.S. Total	47.66	77.40	65.10	52.17	126.99	-	85.65	65.75
2017								
January - March	-	150.23	65.70	66.51	155.91	-	85.19	74.81
April - June	74.89	238.56	63.75	55.81	168.50	-	363.51	79.44
July - September	-	188.40	62.12	60.01	69.52	-	126.07	79.71
October - December	-	181.32	68.13	73.61	73.22	103.33	136.41	86.54
U.S. Total	74.89	189.83	64.44	64.11	97.33	103.33	132.12	79.62

- = No data reported.

Note: Average price is based on the customs import value, including value for shipments of specialty coal not used as a fuel source (about 0.05 percent of all shipments). Customs import value is the price paid for merchandise when sold for exportation to the United States, excluding U.S. import duties, freight, insurance, and other charges incurred in bringing the merchandise to the United States. Coal imports include coal to Puerto Rico and the Virgin Islands. Total may not equal sum of components because of independent rounding.

Source: U.S. Department of Commerce, Bureau of the Census, 'Monthly Report IM 145.'

Table 7. U.S. Coal Exports

(short tons)

Continent and Country of Destination	October - December 2017	July - September 2017	October - December 2016	Year to Date		Percent Change
				2017	2016	
North America Total	3,076,272	2,699,593	2,806,165	10,389,077	8,569,705	21.2
Canada*	1,565,292	1,686,264	1,652,537	5,285,938	5,011,391	5.5
Guatemala	121,000	177,612	85,616	759,117	140,208	441.4
Honduras	38,581	10	70,535	74,570	178,076	-58.1
Jamaica	33,124	35,795	36,434	135,273	72,958	85.4
Mexico	1,284,494	705,461	936,386	3,737,125	3,097,620	20.6
Other**	33,781	94,451	24,657	397,054	69,452	471.7
South America Total	2,422,518	2,213,929	2,090,501	8,826,790	7,413,062	19.1
Argentina	211,433	102,154	-	573,011	104,650	447.5
Brazil	2,210,211	1,940,824	1,968,055	7,562,884	6,938,957	9.0
Chile	440	170,512	66,528	631,943	197,254	220.4
Peru	174	105	55,275	57,749	169,603	-66.0
Other**	260	334	643	1,203	2,598	-53.7
Europe Total	11,162,413	9,770,736	8,074,005	39,560,548	27,381,425	44.5
Austria	112,382	89,680	109,129	572,142	421,480	35.7
Belgium	263,346	267,669	295,620	1,251,804	1,253,639	-0.1
Bosnia and Herzegovina	-	-	-	-	82,060	-
Croatia	453,230	578,673	302,348	1,927,196	1,292,785	49.1
Denmark (Except Greenland)	80,746	38,581	-	119,327	60,598	96.9
Finland	121,253	178,665	121,053	417,706	435,390	-4.1
France	631,071	376,768	467,054	2,175,881	1,339,610	62.4
Germany, Federal Republic of	1,549,722	1,221,263	1,015,920	4,900,458	3,503,432	39.9
Italy	987,187	601,065	577,058	3,142,717	1,910,323	64.5
Netherlands	1,840,065	2,656,175	3,213,076	9,372,985	10,159,378	-7.7
Norway	19,728	17,686	16,097	78,700	72,835	8.1
Poland	450,626	330,345	60,465	1,356,871	241,762	461.2
Portugal	342,166	298,240	93,720	816,144	93,720	NM
Romania	97,237	12,131	58,829	211,642	197,055	7.4
Spain	459,083	355,898	469,960	1,757,794	1,396,128	25.9
Sweden	216,592	320,750	105,470	876,687	289,311	203.0
Turkey	475,503	786,299	349,042	2,563,970	1,487,163	72.4
Ukraine	1,950,638	1,086,017	498,974	4,463,457	2,059,243	116.8
United Kingdom	812,979	419,710	319,736	2,729,552	1,064,404	156.4
Other**	298,859	135,121	454	825,515	21,109	NM
Asia Total	9,541,433	8,599,356	6,011,168	32,840,845	15,714,281	109.0
China	442,562	1,047,088	790,945	3,238,216	995,901	225.2
India	4,346,265	2,896,777	1,405,564	11,464,645	5,528,222	107.4
Japan	2,013,869	1,661,640	1,789,885	7,668,420	4,555,484	68.3
Singapore	-	-	57,428	15,307	57,440	-73.4
South Korea (Republic of Korea)	2,281,908	2,612,020	1,867,917	9,450,656	4,471,084	111.4
Taiwan	323,938	214,257	98,272	539,435	98,622	447.0
Other**	132,891	167,574	1,157	464,166	7,528	NM
Australia and Oceania Total	1,008	399	62	49,358	441	NM
Other**	1,008	399	62	49,358	441	NM
Africa Total	2,002,316	1,360,104	360,780	5,286,767	1,192,103	343.5
Morocco	1,050,953	714,621	360,514	2,927,282	1,037,661	182.1
South Africa	-	101	156	118,347	153,548	-22.9
Other**	951,363	645,382	110	2,241,138	894	NM
Total	28,205,960	24,644,117	19,342,681	96,953,385	60,271,017	60.9

* Based on the U.S. - Canada Free Trade Agreement; as of January 1990, the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government.

** Includes countries with coal exports less than or equal to 50,000 short tons in 2016.

- = No data reported.

NM = Not meaningful due to changes of 500 percent or more.

Note: Total may not equal sum of components because of independent rounding.

Source: U.S. Department of Commerce, Bureau of the Census, 'Monthly Report EM 545.'

Table 8. Average Price of U.S. Coal Exports

(dollars per short ton)

Continent and Country of Destination	October - December 2017	July - September 2017	October - December 2016	Year to Date		Percent Change
				2017	2016	
North America Total	78.36	83.42	67.55	78.85	64.53	22.2
Canada*	106.67	99.93	80.81	100.30	76.00	32.0
Guatemala	63.94	66.76	60.21	69.95	58.64	19.3
Honduras	88.90	694.10	60.33	81.73	57.18	42.9
Jamaica	88.91	55.34	39.01	54.72	38.84	40.9
Mexico	44.98	53.75	46.22	53.47	47.56	12.4
Other**	65.49	52.13	77.32	56.78	51.04	11.2
South America Total	122.60	117.77	119.12	127.66	81.66	56.3
Argentina	154.70	133.31	-	154.94	77.14	100.9
Brazil	119.40	121.55	122.75	132.36	83.31	58.9
Chile	276.95	64.48	40.38	50.42	39.46	27.8
Peru	534.14	372.44	82.12	75.42	60.55	24.6
Other**	644.86	548.86	312.05	684.58	464.33	47.4
Europe Total	102.56	106.15	91.78	111.69	74.32	50.3
Austria	151.23	143.34	181.36	194.94	105.03	85.6
Belgium	149.51	146.81	139.82	139.82	85.76	63.0
Bosnia and Herzegovina	-	-	-	-	73.03	-
Croatia	137.50	137.29	115.39	147.87	87.26	69.5
Denmark (Except Greenland)	68.58	68.17	-	68.45	30.84	122.0
Finland	163.61	131.68	132.19	163.37	94.42	73.0
France	87.44	133.14	114.32	121.90	85.54	42.5
Germany, Federal Republic of	100.90	87.92	83.41	101.34	71.40	41.9
Italy	98.19	125.91	146.58	124.02	101.82	21.8
Netherlands	83.13	72.50	59.93	74.27	55.98	32.7
Norway	135.24	137.34	140.97	131.98	137.37	-3.9
Poland	82.33	153.25	133.80	113.88	96.24	18.3
Portugal	66.03	54.89	32.84	55.36	32.84	68.6
Romania	134.04	140.61	152.75	137.94	99.81	38.2
Spain	107.24	101.41	63.68	105.20	69.61	51.1
Sweden	140.68	123.57	77.42	151.42	77.06	96.5
Turkey	122.34	120.37	112.34	137.28	80.71	70.1
Ukraine	116.96	132.42	180.73	148.46	101.99	45.6
United Kingdom	82.10	120.04	74.43	91.71	79.84	14.9
Other**	104.12	132.98	87.28	122.26	142.54	-14.2
Asia Total	77.83	90.60	97.31	94.01	75.16	25.1
China	106.23	128.00	133.28	122.44	126.35	-3.1
India	75.90	87.41	88.56	93.61	59.66	56.9
Japan	97.68	110.02	105.66	108.80	86.69	25.5
Singapore	-	-	175.16	175.41	175.29	0.1
South Korea (Republic of Korea)	64.09	73.22	81.51	77.31	70.11	10.3
Taiwan	48.83	31.89	32.15	42.21	33.69	25.3
Other**	52.16	65.41	388.72	58.66	491.66	-88.1
Australia and Oceania Total	211.99	335.36	368.73	172.46	370.13	-53.4
Other**	211.99	335.36	368.73	172.46	370.13	-53.4
Africa Total	64.63	97.16	72.22	76.53	54.35	40.8
Morocco	61.93	67.40	71.96	65.25	50.89	28.2
South Africa	-	542.60	546.45	136.66	76.96	77.6
Other**	67.62	130.04	265.09	88.09	187.99	-53.1
Total	90.59	98.79	92.57	101.75	73.66	38.1

* Based on the U.S. - Canada Free Trade Agreement; as of January 1990, the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government.

** Includes countries with coal exports less than or equal to 50,000 short tons in 2016.

- = No data reported.

Note: Average price is based on the free alongside ship (f.a.s.) value, including value for shipments of specialty coal not used as a fuel source (about 0.05 percent of all shipments). Total may not equal sum of components because of independent rounding.

Source: U.S. Department of Commerce, Bureau of the Census, 'Monthly Report EM 545.'

Table 9. U.S. Steam Coal Exports

(short tons)

Continent and Country of Destination	October - December 2017	July - September 2017	October - December 2016	Year to Date		Percent Change
				2017	2016	
North America Total	1,301,995	1,293,749	1,287,816	5,264,273	4,256,556	23.7
Canada*	212,803	389,932	243,660	1,140,664	1,236,481	-7.7
Guatemala	121,000	177,612	85,616	759,117	140,208	441.4
Honduras	38,581	10	70,535	74,570	142,251	-47.6
Jamaica	33,124	35,795	36,434	135,273	72,958	85.4
Mexico	862,706	595,949	826,914	2,871,870	2,595,206	10.7
Other**	33,781	94,451	24,657	282,779	69,452	307.2
South America Total	77,710	316,320	222,247	934,526	489,727	90.8
Argentina	22	160	-	182	888	-79.5
Brazil	76,814	145,209	99,801	243,449	119,384	103.9
Chile	440	170,512	66,528	631,943	197,254	220.4
Peru	174	105	55,275	57,749	169,603	-66.0
Other**	260	334	643	1,203	2,598	-53.7
Europe Total	4,565,204	3,241,957	3,433,064	14,945,821	9,262,847	61.4
Austria	375	375	-	2,346	1,824	28.6
Belgium	-	22	59	432	117,465	-99.6
Denmark (Except Greenland)	80,746	38,581	-	119,327	60,598	96.9
Finland	-	-	-	-	59,619	-
France	338,130	-	194,448	750,593	194,448	286.0
Germany, Federal Republic of	905,333	560,858	491,098	2,467,546	1,845,489	33.7
Italy	443,603	78,208	71,714	910,585	347,069	162.4
Netherlands	979,411	1,700,194	2,192,554	5,976,585	6,033,143	-0.9
Norway	-	8,818	-	8,818	8,417	4.8
Poland	336,900	-	-	524,976	-	-
Portugal	342,166	298,240	-	731,347	-	-
Spain	212,062	160,119	204,906	899,205	249,778	260.0
Sweden	53,022	98,238	-	151,488	-	-
Turkey	63,367	171,135	137,085	471,986	189,853	148.6
Ukraine	133,883	-	19,990	133,883	32,211	315.6
United Kingdom	635,999	98,220	120,756	1,714,451	121,373	NM
Other**	40,207	28,949	454	82,253	1,560	NM
Asia Total	6,094,347	4,256,453	2,622,577	17,298,911	5,005,633	245.6
China	67,246	596	274,338	332,909	276,593	20.4
India	3,197,290	1,809,947	978,861	7,539,785	2,680,845	181.2
Japan	945,098	513,554	290,520	2,693,922	622,560	332.7
Singapore	-	-	23	7	35	-80.0
South Korea (Republic of Korea)	1,558,797	1,558,546	979,406	5,867,926	1,320,224	344.5
Taiwan	323,938	214,257	98,272	539,435	98,622	447.0
Other**	1,978	159,553	1,157	324,927	6,754	NM
Australia and Oceania Total	1,008	399	62	1,945	420	363.1
Other**	1,008	399	62	1,945	420	363.1
Africa Total	1,377,426	690,678	137,233	3,253,343	325,599	NM
Morocco	739,582	199,519	136,967	1,739,599	324,034	436.9
South Africa	-	101	156	167	671	-75.1
Other**	637,844	491,058	110	1,513,577	894	NM
Total	13,417,690	9,799,556	7,702,999	41,698,819	19,340,782	115.6

* Based on the U.S. - Canada Free Trade Agreement; as of January 1990, the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government.

** Includes countries with coal exports less than or equal to 50,000 short tons in 2016.

- = No data reported.

NM = Not meaningful due to changes of 500 percent or more.

Note: Steam coal includes bituminous, sub-bituminous, lignite, and anthracite. Total may not equal sum of components because of independent rounding.

Source: U.S. Department of Commerce, Bureau of the Census, 'Monthly Report EM 545.'

Table 10. Average Price of U.S. Steam Coal Exports

(dollars per short ton)

Continent and Country of Destination	October - December 2017	July - September 2017	October - December 2016	Year to Date		Percent Change
				2017	2016	
North America Total	50.89	57.76	49.11	54.60	46.57	17.2
Canada*	106.10	89.35	74.77	91.50	65.51	39.7
Guatemala	63.94	66.76	60.21	69.95	58.64	19.3
Honduras	88.90	694.10	60.33	81.73	51.93	57.4
Jamaica	88.91	55.34	39.01	54.72	38.84	40.9
Mexico	31.71	35.44	39.05	35.69	36.70	-2.8
Other**	65.49	52.13	77.32	49.46	51.04	-3.1
South America Total	86.82	67.40	69.53	60.36	61.30	-1.5
Argentina	245.45	288.03	-	282.88	45.17	NM
Brazil	82.79	69.26	80.43	79.34	89.80	-11.6
Chile	276.95	64.48	40.38	50.42	39.46	27.8
Peru	534.14	372.44	82.12	75.42	60.55	24.6
Other**	644.86	548.86	312.05	684.58	464.33	47.4
Europe Total	63.54	64.68	55.03	62.78	51.78	21.2
Austria	27.66	27.66	-	26.53	28.43	-6.7
Belgium	-	583.59	349.80	73.24	31.00	136.3
Denmark (Except Greenland)	68.58	68.17	-	68.45	30.84	122.0
Finland	-	-	-	-	76.03	-
France	63.02	-	77.03	69.33	77.03	-10.0
Germany, Federal Republic of	57.42	57.84	49.11	55.72	57.68	-3.4
Italy	63.60	108.45	89.19	70.47	76.30	-7.6
Netherlands	56.97	60.39	50.63	57.89	46.74	23.9
Norway	-	131.55	-	131.55	157.18	-16.3
Poland	60.22	-	-	63.12	-	-
Portugal	66.03	54.89	-	57.23	-	-
Spain	85.64	55.77	51.25	63.04	51.64	22.1
Sweden	137.90	92.91	-	108.63	-	-
Turkey	67.91	115.87	108.71	123.84	89.48	38.4
Ukraine	75.98	-	158.50	75.98	122.46	-38.0
United Kingdom	67.79	55.05	31.24	62.55	35.34	77.0
Other**	32.43	90.71	87.28	63.05	132.97	-52.6
Asia Total	55.85	49.91	53.24	53.24	51.31	3.8
China	66.28	375.87	87.56	47.14	91.09	-48.2
India	62.96	58.11	54.27	60.13	48.99	22.7
Japan	62.23	68.31	83.36	69.09	62.35	10.8
Singapore	-	-	361.74	518.57	508.57	2.0
South Korea (Republic of Korea)	37.99	35.57	35.38	38.07	41.27	-7.8
Taiwan	48.83	31.89	32.15	42.21	33.69	25.3
Other**	381.00	60.72	388.72	60.77	538.49	-88.7
Australia and Oceania Total	211.99	335.36	368.73	274.36	366.28	-25.1
Other**	211.99	335.36	368.73	274.36	366.28	-25.1
Africa Total	62.27	100.95	66.11	69.68	51.86	34.4
Morocco	61.27	61.19	65.40	62.79	50.58	24.1
South Africa	-	542.60	546.45	546.93	489.35	11.8
Other**	63.43	117.02	265.09	77.54	187.99	-58.8
Total	58.84	60.01	54.05	58.29	50.76	14.8

* Based on the U.S. - Canada Free Trade Agreement; as of January 1990, the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government.

** Includes countries with coal exports less than or equal to 50,000 short tons in 2016.

- = No data reported.

NM = Not meaningful due to changes of 500 percent or more.

Note: Average price is based on the free alongside ship (f.a.s) value, including value for shipments of specialty coal not used as a fuel source (about 0.05 percent of all shipments). Steam coal includes bituminous, sub-bituminous, lignite, and anthracite. Total may not equal sum of components because of independent rounding.

Source: U.S. Department of Commerce, Bureau of the Census, 'Monthly Report EM 545.'

Table 11. U.S. Metallurgical Coal Exports

(short tons)

Continent and Country of Destination	October - December 2017	July - September 2017	October - December 2016	Year to Date		Percent Change
				2017	2016	
North America Total	1,774,277	1,405,844	1,518,349	5,124,804	4,313,149	18.8
Canada*	1,352,489	1,296,332	1,408,877	4,145,274	3,774,910	9.8
Honduras	-	-	-	-	35,825	-
Mexico	421,788	109,512	109,472	865,255	502,414	72.2
Other**	-	-	-	114,275	-	-
South America Total	2,344,808	1,897,609	1,868,254	7,892,264	6,923,335	14.0
Argentina	211,411	101,994	-	572,829	103,762	452.1
Brazil	2,133,397	1,795,615	1,868,254	7,319,435	6,819,573	7.3
Europe Total	6,597,209	6,528,779	4,640,941	24,614,727	18,118,578	35.9
Austria	112,007	89,305	109,129	569,796	419,656	35.8
Belgium	263,346	267,647	295,561	1,251,372	1,136,174	10.1
Bosnia and Herzegovina	-	-	-	-	82,060	-
Croatia	453,230	578,673	302,348	1,927,196	1,292,785	49.1
Finland	121,253	178,665	121,053	417,706	375,771	11.2
France	292,941	376,768	272,606	1,425,288	1,145,162	24.5
Germany, Federal Republic of	644,389	660,405	524,822	2,432,912	1,657,943	46.7
Italy	543,584	522,857	505,344	2,232,132	1,563,254	42.8
Netherlands	860,654	955,981	1,020,522	3,396,400	4,126,235	-17.7
Norway	19,728	8,868	16,097	69,882	64,418	8.5
Poland	113,726	330,345	60,465	831,895	241,762	244.1
Portugal	-	-	93,720	84,797	93,720	-9.5
Romania	97,237	12,131	58,829	211,642	197,055	7.4
Spain	247,021	195,779	265,054	858,589	1,146,350	-25.1
Sweden	163,570	222,512	105,470	725,199	289,311	150.7
Turkey	412,136	615,164	211,957	2,091,984	1,297,310	61.3
Ukraine	1,816,755	1,086,017	478,984	4,329,574	2,027,032	113.6
United Kingdom	176,980	321,490	198,980	1,015,101	943,031	7.6
Other**	258,652	106,172	-	743,262	19,549	NM
Asia Total	3,447,086	4,342,903	3,388,591	15,541,934	10,708,648	45.1
China	375,316	1,046,492	516,607	2,905,307	719,308	303.9
India	1,148,975	1,086,830	426,703	3,924,860	2,847,377	37.8
Japan	1,068,771	1,148,086	1,499,365	4,974,498	3,932,924	26.5
Singapore	-	-	57,405	15,300	57,405	-73.3
South Korea (Republic of Korea)	723,111	1,053,474	888,511	3,582,730	3,150,860	13.7
Other**	130,913	8,021	-	139,239	774	NM
Australia and Oceania Total	-	-	-	47,413	21	NM
Other**	-	-	-	47,413	21	NM
Africa Total	624,890	669,426	223,547	2,033,424	866,504	134.7
Morocco	311,371	515,102	223,547	1,187,683	713,627	66.4
South Africa	-	-	-	118,180	152,877	-22.7
Other**	313,519	154,324	-	727,561	-	-
Total	14,788,270	14,844,561	11,639,682	55,254,566	40,930,235	35.0

* Based on the U.S. - Canada Free Trade Agreement; as of January 1990, the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government.

** Includes countries with coal exports less than or equal to 50,000 short tons in 2016.

- = No data reported.

NM = Not meaningful due to changes of 500 percent or more.

Note: Total may not equal sum of components because of independent rounding.

Source: U.S. Department of Commerce, Bureau of the Census, 'Monthly Report EM 545.'

Table 12. Average Price of U.S. Metallurgical Coal Exports

(dollars per short ton)

Continent and Country of Destination	October - December 2017	July - September 2017	October - December 2016	Year to Date		Percent Change
				2017	2016	
North America Total	98.52	107.03	83.19	103.75	82.25	26.1
Canada*	106.76	103.12	81.86	102.73	79.44	29.3
Honduras	-	-	-	-	78.02	-
Mexico	72.10	153.35	100.33	112.48	103.67	8.5
Other**	-	-	-	74.87	-	-
South America Total	123.79	126.17	125.02	135.63	83.10	63.2
Argentina	154.69	133.07	-	154.90	77.41	100.1
Brazil	120.72	125.78	125.02	134.12	83.19	61.2
Europe Total	129.55	126.75	118.97	141.39	85.85	64.7
Austria	151.64	143.82	181.36	195.64	105.36	85.7
Belgium	149.51	146.77	139.78	139.84	91.42	53.0
Bosnia and Herzegovina	-	-	-	-	73.03	-
Croatia	137.50	137.29	115.39	147.87	87.26	69.5
Finland	163.61	131.68	132.19	163.37	97.34	67.8
France	115.62	133.14	140.91	149.58	86.98	72.0
Germany, Federal Republic of	161.99	113.47	115.50	147.60	86.67	70.3
Italy	126.43	128.53	154.72	145.86	107.48	35.7
Netherlands	112.91	94.03	79.91	103.10	69.49	48.4
Norway	135.24	143.09	140.97	132.04	134.78	-2.0
Poland	147.82	153.25	133.80	145.91	96.24	51.6
Portugal	-	-	32.84	39.19	32.84	19.3
Romania	134.04	140.61	152.75	137.94	99.81	38.2
Spain	125.79	138.74	73.29	149.35	73.53	103.1
Sweden	141.59	137.11	77.42	160.35	77.06	108.1
Turkey	130.71	121.62	114.69	140.31	79.43	76.6
Ukraine	119.98	132.42	181.66	150.71	101.67	48.2
United Kingdom	133.55	139.89	100.64	140.97	85.57	64.7
Other**	115.27	144.51	-	128.81	143.30	-10.1
Asia Total	116.69	130.48	131.41	139.38	86.31	61.5
China	113.38	127.86	157.56	131.07	139.91	-6.3
India	111.90	136.21	167.20	157.94	69.69	126.6
Japan	129.03	128.67	109.99	130.30	90.54	43.9
Singapore	-	-	175.09	175.25	175.09	0.1
South Korea (Republic of Korea)	120.37	128.91	132.35	141.59	82.19	72.3
Other**	47.19	158.70	-	53.73	82.99	-35.3
Australia and Oceania Total	-	-	-	168.28	447.00	-62.4
Other**	-	-	-	168.28	447.00	-62.4
Africa Total	69.84	93.24	75.98	87.50	55.29	58.3
Morocco	63.50	69.80	75.98	68.86	51.03	34.9
South Africa	-	-	-	136.08	75.15	81.1
Other**	76.13	171.46	-	110.04	-	-
Total	119.39	124.39	118.07	134.55	84.48	59.3

* Based on the U.S. - Canada Free Trade Agreement; as of January 1990, the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government.

** Includes countries with coal exports less than or equal to 50,000 short tons in 2016.

-- No data reported.

Note: Average price is based on the free alongside ship (f.a.s.) value, including value for shipments of specialty coal not used as a fuel source (about 0.05 percent of all shipments). Total may not equal sum of components because of independent rounding.

Source: U.S. Department of Commerce, Bureau of the Census, 'Monthly Report EM 545.'

Table 13. U.S. Coal Exports by Customs District

(short tons)

Customs District	October - December 2017	July - September 2017	October - December 2016	Year to Date		Percent Change
				2017	2016	
Eastern Total	16,910,738	14,875,014	11,920,824	57,892,030	39,058,647	48.2
Baltimore, MD	6,487,687	5,096,774	4,463,195	20,804,995	14,381,776	44.7
Buffalo, NY	709,786	552,256	516,940	1,714,010	1,245,795	37.6
New York City, NY	174,009	158,442	4,168	341,902	10,395	NM
Norfolk, VA	9,465,580	8,989,234	6,784,774	34,768,195	23,066,906	50.7
Ogdensburg, NY	63,186	51,298	64,712	147,255	143,726	2.5
Philadelphia, PA	10,383	26,796	86,950	115,257	144,921	-20.5
Portland, ME	53	91	-	172	64,696	-99.7
St. Albans, VT	-	123	85	190	363	-47.7
Washington, DC	54	-	-	54	69	-21.7
Southern Total	7,417,745	6,131,789	4,703,640	25,451,285	15,099,315	68.6
Charleston, SC	19	190	97	505	942	-46.4
El Paso, TX	30,807	50,532	24,010	175,589	102,309	71.6
Houston-Galveston, TX	198,101	137,007	52,314	399,920	56,878	NM
Laredo, TX	671,244	509,639	529,461	2,463,862	1,917,492	28.5
Miami, FL	193	30	46	761	1,753	-56.6
Mobile, AL	1,836,910	3,101,547	1,550,483	9,958,629	6,987,337	42.5
New Orleans, LA	4,679,751	2,332,607	2,481,954	12,450,529	5,966,782	108.7
Port Arthur, TX	-	-	63,934	-	63,934	-
Savannah, GA	494	198	223	1,125	499	125.5
Tampa, FL	226	39	1,118	365	1,389	-73.7
Western Total	3,084,679	2,554,309	1,781,157	10,432,390	2,842,444	267.0
Anchorage, AK	1	-	110	273	71,807	-99.6
Great Falls, MT	106	42	279	245	889	-72.4
Honolulu, HI	-	-	-	75	-	-
Los Angeles, CA	330,586	205,239	231,144	1,194,891	306,243	290.2
Nogales, AZ	161,002	36,178	128	197,230	246	NM
Portland, OR	-	-	-	2	-	-
San Diego, CA	21	-	14	77	84	-8.3
San Francisco, CA	905,054	722,030	518,453	3,046,263	1,353,624	125.0
Seattle, WA	1,687,909	1,590,820	1,031,029	5,993,334	1,109,551	440.2
Northern Total	769,067	1,077,828	927,953	3,130,298	3,249,686	-3.7
Chicago, IL	-	32,614	-	32,661	-	-
Cleveland, OH	715,935	784,128	835,934	2,593,236	2,425,169	6.9
Detroit, MI	51,131	94,148	88,152	258,920	765,873	-66.2
Duluth, MN	-	4,153	2,910	9,336	5,188	80.0
Minneapolis, MN	-	158,329	-	220,511	51,216	330.6
Pembina, ND	2,001	4,456	957	15,634	2,240	NM
Other Ports	23,731	5,177	9,107	47,382	20,925	126.4
Total	28,205,960	24,644,117	19,342,681	96,953,385	60,271,017	60.9

- = No data reported.

NM = Not meaningful due to changes of 500 percent or more.

Note: Total may not equal sum of components because of independent rounding.

Source: U.S. Department of Commerce, Bureau of the Census, 'Monthly Report EM 545.'

Table 14. Steam Coal Exports by Customs District

(short tons)

Customs District	October - December 2017	July - September 2017	October - December 2016	Year to Date		Percent Change
				2017	2016	
Eastern Total	5,448,752	3,886,640	3,238,929	16,209,775	7,813,233	107.5
Baltimore, MD	3,388,163	2,441,907	2,220,349	10,176,848	5,224,123	94.8
Buffalo, NY	32,626	3,767	3,108	44,057	12,124	263.4
New York City, NY	174,009	158,442	4,168	341,853	10,395	NM
Norfolk, VA	1,788,981	1,204,598	892,246	5,394,393	2,247,194	140.1
Ogdensburg, NY	54,483	50,916	32,023	136,951	109,348	25.2
Philadelphia, PA	10,383	26,796	86,950	115,257	144,921	-20.5
Portland, ME	53	91	-	172	64,696	-99.7
St. Albans, VT	-	123	85	190	363	-47.7
Washington, DC	54	-	-	54	69	-21.7
Southern Total	4,758,087	3,023,063	2,608,209	14,344,043	8,037,680	78.5
Charleston, SC	19	38	97	101	579	-82.6
El Paso, TX	30,807	50,532	24,010	175,589	102,309	71.6
Houston-Galveston, TX	198,101	137,007	52,314	399,920	56,878	NM
Laredo, TX	670,876	509,251	529,116	2,430,940	1,851,080	31.3
Miami, FL	193	30	46	761	1,753	-56.6
Mobile, AL	112,831	98,238	-	223,390	709,460	-68.5
New Orleans, LA	3,744,843	2,227,883	1,937,563	11,112,690	5,250,141	111.7
Port Arthur, TX	-	-	63,934	-	63,934	-
Savannah, GA	191	45	11	287	157	82.8
Tampa, FL	226	39	1,118	365	1,389	-73.7
Western Total	3,084,662	2,554,309	1,781,157	10,432,321	2,726,119	282.7
Anchorage, AK	1	-	110	221	71,760	-99.7
Great Falls, MT	89	42	279	228	889	-74.4
Honolulu, HI	-	-	-	75	-	-
Los Angeles, CA	330,586	205,239	231,144	1,194,891	233,330	412.1
Nogales, AZ	161,002	36,178	128	197,230	246	NM
Portland, OR	-	-	-	2	-	-
San Diego, CA	21	-	14	77	84	-8.3
San Francisco, CA	905,054	722,030	518,453	3,046,263	1,310,259	132.5
Seattle, WA	1,687,909	1,590,820	1,031,029	5,993,334	1,109,551	440.2
Northern Total	102,458	330,367	65,597	665,308	742,825	-10.4
Chicago, IL	-	-	-	47	-	-
Cleveland, OH	68,602	119,498	27,541	281,634	179,887	56.6
Detroit, MI	31,855	43,931	34,189	138,146	504,294	-72.6
Duluth, MN	-	4,153	2,910	9,336	5,188	80.0
Minneapolis, MN	-	158,329	-	220,511	51,216	330.6
Pembina, ND	2,001	4,456	957	15,634	2,240	NM
Other Ports	23,731	5,177	9,107	47,372	20,925	126.4
Total	13,417,690	9,799,556	7,702,999	41,698,819	19,340,782	115.6

- = No data reported.

NM = Not meaningful due to changes of 500 percent or more.

Note: Total may not equal sum of components because of independent rounding.

Source: U.S. Department of Commerce, Bureau of the Census, 'Monthly Report EM 545.'

Table 15. Metallurgical Coal Exports by Customs District

(short tons)

Customs District	October - December 2017	July - September 2017	October - December 2016	Year to Date		Percent Change
				2017	2016	
Eastern Total	11,461,986	10,988,374	8,681,895	41,682,255	31,245,414	33.4
Baltimore, MD	3,099,524	2,654,867	2,242,846	10,628,147	9,157,653	16.1
Buffalo, NY	677,160	548,489	513,832	1,669,953	1,233,671	35.4
New York City, NY	-	-	-	49	-	-
Norfolk, VA	7,676,599	7,784,636	5,892,528	29,373,802	20,819,712	41.1
Ogdensburg, NY	8,703	382	32,689	10,304	34,378	-70.0
Southern Total	2,659,658	3,108,726	2,095,431	11,107,242	7,061,635	57.3
Charleston, SC	-	152	-	404	363	11.3
Laredo, TX	368	388	345	32,922	66,412	-50.4
Mobile, AL	1,724,079	3,003,309	1,550,483	9,735,239	6,277,877	55.1
New Orleans, LA	934,908	104,724	544,391	1,337,839	716,641	86.7
Savannah, GA	303	153	212	838	342	145.0
Western Total	17	-	-	69	116,325	-99.9
Anchorage, AK	-	-	-	52	47	10.6
Great Falls, MT	17	-	-	17	-	-
Los Angeles, CA	-	-	-	-	72,913	-
San Francisco, CA	-	-	-	-	43,365	-
Northern Total	666,609	747,461	862,356	2,464,990	2,506,861	-1.7
Chicago, IL	-	32,614	-	32,614	-	-
Cleveland, OH	647,333	664,630	808,393	2,311,602	2,245,282	3.0
Detroit, MI	19,276	50,217	53,963	120,774	261,579	-53.8
Other Ports	-	-	-	10	-	-
Total	14,788,270	14,844,561	11,639,682	55,254,566	40,930,235	35.0

- = No data reported.

Note: Total may not equal sum of components because of independent rounding.

Source: U.S. Department of Commerce, Bureau of the Census, 'Monthly Report EM 545.'

Table 16. U.S. Coke Exports

(short tons)

Continent and Country of Destination	October - December 2017	July - September 2017	October - December 2016	Year to Date		Percent Change
				2017	2016	
North America Total	387,738	277,649	466,796	1,066,195	976,131	9.2
Canada*	244,822	183,506	247,481	772,477	602,934	28.1
Mexico	142,081	93,601	219,081	291,871	372,138	-21.6
Other**	835	542	234	1,847	1,059	74.4
South America Total	-	69	-	95	53	79.2
Other**	-	69	-	95	53	79.2
Europe Total	69,855	110	92	102,002	22,402	355.3
Other**	69,855	110	92	102,002	22,402	355.3
Asia Total	126	343	87	22,233	1,119	NM
Other**	126	343	87	22,233	1,119	NM
Australia and Oceania Total	86	171	268	334	613	-45.5
Other**	86	171	268	334	613	-45.5
Africa Total	-	-	-	18,188	-	-
Other**	-	-	-	18,188	-	-
Total	457,805	278,342	467,243	1,209,047	1,000,318	20.9

* Based on the U.S. - Canada Free Trade Agreement; as of January 1990, the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government.

** Includes countries with coal exports less than or equal to 50,000 short tons in 2016.

- = No data reported.

NM = Not meaningful due to changes of 500 percent or more.

Note: Total may not equal sum of components because of independent rounding.

Source: U.S. Department of Commerce, Bureau of the Census, 'Monthly Report EM 545.'

Table 17. Average Price of U.S. Coke Exports

(dollars per short ton)

Continent and Country of Destination	October - December 2017	July - September 2017	October - December 2016	Year to Date		Percent Change
				2017	2016	
North America Total	235.26	257.78	181.69	243.55	219.33	11.0
Canada*	219.52	249.07	179.84	229.52	211.66	8.4
Mexico	261.78	274.22	183.36	279.56	230.64	21.2
Other**	336.67	364.51	568.95	419.06	611.64	-31.5
South America Total	-	529.43	-	526.36	515.13	2.2
Other**	-	529.43	-	526.36	515.13	2.2
Europe Total	151.46	461.85	488.74	137.64	76.83	79.1
Other**	151.46	461.85	488.74	137.64	76.83	79.1
Asia Total	892.87	826.23	671.06	180.17	729.01	-75.3
Other**	892.87	826.23	671.06	180.17	729.01	-75.3
Australia and Oceania Total	446.52	463.73	498.19	412.89	460.74	-10.4
Other**	446.52	463.73	498.19	412.89	460.74	-10.4
Africa Total	-	-	-	90.72	-	-
Other**	-	-	-	90.72	-	-
Total	222.69	258.75	182.02	231.22	216.88	6.6

* Based on the U.S. - Canada Free Trade Agreement; as of January 1990, the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government.

** Includes countries with coal exports less than or equal to 50,000 short tons in 2016.

- = No data reported.

Note: Total may not equal sum of components because of independent rounding.

Source: U.S. Department of Commerce, Bureau of the Census, 'Monthly Report EM 545.'

Table 18. U.S. Coal Imports

(short tons)

Continent and Country of Origin	October - December 2017	July - September 2017	October - December 2016	Year to Date		Percent Change
				2017	2016	
North America Total	175,464	306,531	274,750	891,826	1,079,458	-17.4
Canada	175,442	306,509	274,726	891,734	1,078,480	-17.3
Mexico	22	22	24	92	978	-90.6
South America Total	879,648	1,767,474	1,536,043	6,086,896	7,896,315	-22.9
Colombia	879,451	1,767,445	1,536,013	6,086,612	7,890,800	-22.9
Peru	151	29	30	238	5,515	-95.7
Venezuela	46	-	-	46	-	-
Europe Total	11,567	34,862	5,667	47,211	65,772	-28.2
Austria	-	-	-	-	3	-
Germany, Federal Republic of	626	391	166	1,762	340	418.2
Italy	-	-	-	-	314	-
Netherlands	10,941	-	-	10,941	-	-
Russia	-	34,420	5,501	34,449	64,774	-46.8
United Kingdom	-	51	-	59	341	-82.7
Asia Total	252,577	199,116	278,982	712,710	654,358	8.9
China	2,515	2,081	579	6,474	6,955	-6.9
Hong Kong	5,512	827	-	6,339	-	-
India	164	-	-	444	-	-
Indonesia	244,386	196,208	244,944	699,453	613,944	13.9
Vietnam	-	-	33,459	-	33,459	-
Australia and Oceania Total	-	-	-	700	121,967	-99.4
Australia	-	-	-	700	121,967	-99.4
Africa Total	37,829	-	28,488	37,829	28,488	32.8
South Africa	37,829	-	28,488	37,829	28,488	32.8
Total	1,357,085	2,307,983	2,123,930	7,777,172	9,846,358	-21.0

- = No data reported.

Note: Coal imports include coal to Puerto Rico and the Virgin Islands. Total may not equal sum of components because of independent rounding.

Source: U.S. Department of Commerce, Bureau of the Census, 'Monthly Report IM 145.'

Table 19. Average Price of U.S. Coal Imports

(dollars per short ton)

Continent and Country of Origin	October - December 2017	July - September 2017	October - December 2016	Year to Date		Percent Change
				2017	2016	
North America Total	181.33	188.40	82.35	189.84	77.40	145.3
Canada	181.32	188.40	82.33	189.83	77.40	145.3
Mexico	199.68	199.55	344.79	302.68	75.68	299.9
South America Total	68.16	62.12	69.20	64.44	65.10	-1.0
Colombia	68.13	62.12	69.20	64.44	65.10	-1.0
Peru	265.01	262.10	255.87	264.87	66.48	298.4
Venezuela	103.33	-	-	103.33	-	-
Europe Total	183.79	123.59	147.80	137.88	63.30	117.8
Austria	-	-	-	-	864.00	-
Germany, Federal Republic of	74.76	93.49	75.10	83.13	81.86	1.6
Italy	-	-	-	-	75.07	-
Netherlands	190.03	-	-	190.03	-	-
Russia	-	124.00	149.99	124.17	63.00	97.1
United Kingdom	-	74.51	-	106.53	82.99	28.4
Asia Total	73.63	60.79	70.16	64.68	57.56	12.4
China	73.22	69.52	162.95	97.33	126.99	-23.4
Hong Kong	74.93	224.00	-	94.38	-	-
India	65.85	-	-	77.77	-	-
Indonesia	73.61	60.01	60.12	64.11	52.17	22.9
Vietnam	-	-	142.04	-	142.04	-
Australia and Oceania Total	-	-	-	74.89	47.66	57.1
Australia	-	-	-	74.89	47.66	57.1
Africa Total	130.64	-	75.07	130.64	75.07	74.0
South Africa	130.64	-	75.07	130.64	75.07	74.0
U.S. Total*	86.54	79.71	71.32	79.62	65.75	21.1

* U.S. Total is the average price of all coal imports.

- = No data reported.

Note: Average price is based on the customs import value, including value for shipments of specialty coal not used as a fuel source (about 0.05 percent of all shipments). Customs import value is the price paid for merchandise when sold for exportation to the United States, excluding U.S. import duties, freight, insurance, and other charges incurred in bringing the merchandise to the United States. Coal imports include coal to Puerto Rico and the Virgin Islands. Total may not equal sum of components because of independent rounding.

Source: U.S. Department of Commerce, Bureau of the Census, 'Monthly Report IM 145.'

Table 20. Coal Imports by Customs District

(short tons)

Customs District	October - December 2017	July - September 2017	October - December 2016	Year to Date		Percent Change
				2017	2016	
Eastern Total	41,215	2,124	92,473	167,986	900,129	-81.3
Baltimore, MD	-	278	-	278	118,034	-99.8
Boston, MA	-	-	92,118	45,176	668,096	-93.2
Buffalo, NY	11,180	516	154	12,452	248	NM
New York City, NY	273	1,330	201	2,065	1,062	94.4
Ogdensburg, NY	-	-	-	187	-	-
Philadelphia, PA	-	-	-	21	-	-
Portland, ME	29,762	-	-	107,807	42,440	154.0
Providence, RI	-	-	-	-	70,249	-
Southern Total	895,656	1,803,186	1,511,757	6,017,839	7,216,206	-16.6
Charleston, SC	-	-	-	-	54,020	-
Houston-Galveston, TX	315	29	358	1,804	718	151.3
Laredo, TX	22	22	24	92	978	-90.6
Miami, FL	-	36,420	31,837	70,599	68,235	3.5
Mobile, AL	393,365	578,951	346,222	1,726,130	2,475,852	-30.3
New Orleans, LA	7,755	1,336	-	10,078	5,222	93.0
Port Arthur, TX	-	-	-	-	314	-
San Juan, PR	46	361,011	465,355	1,217,179	1,762,572	-30.9
Tampa, FL	494,153	825,417	667,961	2,991,957	2,848,295	5.0
Western Total	285,979	293,400	386,952	1,019,188	1,282,069	-20.5
Anchorage, AK	-	-	-	-	341	-
Great Falls, MT	40,363	96,299	141,823	250,993	433,932	-42.2
Honolulu, HI	244,386	196,208	244,944	765,487	831,195	-7.9
Los Angeles, CA	-	10	18	10	18	-44.4
San Francisco, CA	-	30	-	59	56	5.4
Seattle, WA	1,230	853	167	2,639	16,527	-84.0
Northern Total	134,235	209,273	132,748	572,159	447,954	27.7
Chicago, IL	-	10	-	10	-	-
Cleveland, OH	626	208	166	1,395	329	324.0
Detroit, MI	62,580	128,978	105,557	255,696	251,141	1.8
Duluth, MN	102	42	21	354	21	NM
Pembina, ND	70,927	80,035	27,004	314,704	196,463	60.2
Total	1,357,085	2,307,983	2,123,930	7,777,172	9,846,358	-21.0

- = No data reported.

NM = Not meaningful due to changes of 500 percent or more.

Note: Coal imports include coal to Puerto Rico and the Virgin Islands. Total may not equal sum of components because of independent rounding.

Source: U.S. Department of Commerce, Bureau of the Census, 'Monthly Report IM 145.'

Table 21. U.S. Coke Imports

(short tons)

Continent and Country of Origin	October - December 2017	July - September 2017	October - December 2016	Year to Date		Percent Change
				2017	2016	
North America Total	272	380	704	3,063	45,369	-93.2
Canada	272	380	704	3,052	45,369	-93.3
Mexico	-	-	-	11	-	-
South America Total	18,585	-	55,116	18,585	138,857	-86.6
Colombia	18,585	-	55,116	18,585	138,857	-86.6
Europe Total	443	266	782	23,301	42,023	-44.6
Germany, Federal Republic of	-	-	-	8	77	-89.6
Italy	433	262	774	1,037	8,847	-88.3
Poland	-	-	-	22,220	-	-
Russia	-	-	-	-	33,069	-
United Kingdom	10	4	8	36	30	20.0
Asia Total	2,306	835	412	3,386	2,314	46.3
China	1,482	276	-	1,905	243	NM
Indonesia	24	78	54	200	200	s
Japan	800	481	358	1,281	1,871	-31.5
Africa Total	3,478	3,389	11	10,145	11	NM
Egypt	-	-	11	-	11	-
South Africa	3,478	3,389	-	10,145	-	-
U.S. Total	25,084	4,870	57,025	58,480	228,574	-74.4

- = No data reported.

NM = Not meaningful due to changes of 500 percent or more.

s = Absolute percentage less than 0.05.

Note: Total may not equal sum of components because of independent rounding.

Source: U.S. Department of Commerce, Bureau of the Census, 'Monthly Report IM 145.'

Table 22. Average Price of U.S. Coke Imports

(dollars per short ton)

Continent and Country of Origin	October - December 2017	July - September 2017	October - December 2016	Year to Date		Percent Change
				2017	2016	
North America Total	150.93	152.77	221.30	161.34	122.76	31.4
Canada	150.93	152.77	221.30	160.59	122.76	30.8
Mexico	-	-	-	367.73	-	-
South America Total	150.02	-	160.88	150.02	150.76	-0.5
Colombia	150.02	-	160.88	150.02	150.76	-0.5
Europe Total	307.19	287.52	264.20	111.15	129.70	-14.3
Germany, Federal Republic of	-	-	-	617.50	234.51	163.3
Italy	293.49	280.07	256.47	287.49	258.90	11.0
Poland	-	-	-	101.61	-	-
Russia	-	-	-	-	94.21	-
United Kingdom	900.00	775.00	1,012.50	808.33	881.00	-8.2
Asia Total	304.62	510.64	411.60	393.77	339.55	16.0
China	276.43	631.29	-	366.65	29.24	NM
Indonesia	1,603.50	1,278.09	1,031.41	1,140.44	921.65	23.7
Japan	317.86	316.96	318.11	317.52	317.63	s
Africa Total	267.40	330.34	818.18	306.50	818.18	-62.5
Egypt	-	-	818.18	-	818.18	-
South Africa	267.40	330.34	-	306.50	-	-
U.S. Total	183.29	345.06	164.98	176.38	143.27	23.1

- = No data reported.

NM = Not meaningful due to changes of 500 percent or more.

s = Absolute percentage less than 0.05.

Note: Total may not equal sum of components because of independent rounding.

Source: U.S. Department of Commerce, Bureau of the Census, 'Monthly Report IM 145.'

Receipts and Prices

Table 23. Coal Receipts at Coke Plants by Census Division

(thousand short tons)

Census Division	October - December 2017	July - September 2017	October - December 2016	Year to Date		Percent Change
				2017	2016	
Middle Atlantic	1,531	1,367	1,120	5,366	4,185	28.2
East North Central	2,293	2,436	2,220	9,325	8,779	6.2
South Atlantic	424	436	422	1,651	1,636	1.0
East South Central	287	306	308	1,244	1,256	-0.9
U.S. Total	4,535	4,545	4,070	17,587	15,856	10.9

Note: Total may not equal sum of components because of independent rounding.

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.'

Table 24. Average Price of Coal Receipts at Coke Plants by Census Division

(dollars per short ton)

Census Division	October - December 2017	July - September 2017	October - December 2016	Year to Date		Percent Change
				2017	2016	
Middle Atlantic	w	w	w	w	w	w
East North Central	191.25	138.73	101.93	147.93	104.00	42.2
South Atlantic	w	w	w	w	w	w
East South Central	w	w	w	w	w	w
U.S. Total	151.91	126.59	100.82	130.89	102.00	28.3

w = Data withheld to avoid disclosure.

Note: Average price is based on the cost, insurance, and freight (c.i.f. value). Total may not equal sum of components because of independent rounding.

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.'

Table 25. Open Market Sales and Average Price of Coke and Breeze

(thousand short tons and dollars per short ton)

Commodity	October - December 2017	July - September 2017	October - December 2016	Year to Date		Percent Change
				2017	2016	
Coke						
Sales	1,627	1,620	1,500	6,384	5,771	10.6
Average Price	389.23	274.05	278.68	301.67	289.61	4.2
Breeze						
Sales	146	178	107	525	375	39.9
Average Price	80.57	69.91	74.59	75.71	77.86	-2.8

Note: Total may not equal sum of components because of independent rounding.

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.'

Table 26. Coal Receipts at Other Industrial Plants by Census Division and State

(thousand short tons)

Census Division and State	October - December 2017	July - September 2017	October - December 2016	Year to Date		Percent Change
				2017	2016	
New England	6	5	6	22	20	12.9
Maine	5	4	5	18	16	8.6
Massachusetts	1	1	1	4	3	34.1
Middle Atlantic	239	246	368	1,092	1,612	-32.2
New York	83	64	114	318	417	-23.8
Pennsylvania	157	182	254	774	1,194	-35.2
East North Central	1,520	1,723	1,751	6,625	6,842	-3.2
Illinois	576	654	651	2,560	2,518	1.7
Indiana	443	472	535	1,942	2,185	-11.1
Michigan	143	214	170	668	595	12.3
Ohio	143	141	133	555	697	-20.5
Wisconsin	214	242	261	899	847	6.2
West North Central	3,230	3,535	3,205	12,885	11,948	7.8
Iowa	597	613	597	2,429	2,423	0.2
Kansas	26	28	25	106	111	-4.1
Minnesota	344	607	285	1,545	922	67.4
Missouri	191	313	164	893	712	25.4
Nebraska	307	285	292	1,160	1,076	7.8
North Dakota	1,716	1,623	1,806	6,518	6,539	-0.3
South Dakota	49	66	37	236	165	42.5
South Atlantic	767	751	788	3,023	3,401	-11.1
Delaware	-	-	12	-	99	-
Florida	147	152	83	584	503	16.1
Georgia	75	82	95	314	362	-13.4
Maryland	150	145	149	565	551	2.5
North Carolina	112	100	135	462	523	-11.8
South Carolina	64	55	59	252	280	-10.2
Virginia	125	123	165	487	619	-21.3
West Virginia	96	94	90	361	464	-22.2
East South Central	659	835	837	3,203	3,784	-15.3
Alabama	210	231	254	906	1,107	-18.2
Kentucky	192	192	210	831	790	5.2
Tennessee	257	412	374	1,466	1,886	-22.3
West South Central	362	414	438	1,504	1,616	-6.9
Arkansas	46	41	55	192	194	-0.8
Louisiana	57	67	54	234	263	-11.1
Oklahoma	102	108	152	446	506	-11.9
Texas	157	197	177	632	654	-3.2
Mountain	891	878	827	3,320	3,344	-0.7
Arizona	57	44	34	202	185	8.9
Colorado	78	55	83	265	288	-7.7
Idaho	16	31	2	88	79	11.3
Montana	99	51	110	265	262	1.1
Nevada	67	81	77	267	278	-4.0
New Mexico	22	15	21	73	76	-4.1
Utah	119	180	104	503	585	-14.0
Wyoming	434	422	396	1,655	1,590	4.1
Pacific	415	414	401	1,548	1,472	5.1
Alaska	s	s	s	1	1	s
California	377	389	375	1,437	1,344	6.9
Oregon	19	10	1	29	31	-5.0
Washington	19	16	25	80	96	-16.8
U.S. Total	8,090	8,802	8,621	33,223	34,040	-2.4

- = No data reported.

s = Absolute percentage less than 0.05 or value is less than 0.5 of the table metric.

Note: Total may not equal sum of components because of independent rounding.

Source: U.S. Energy Information Administration (EIA), Form EIA-3, 'Quarterly Survey of Industrial, Commercial & Institutional Coal Users' and Form EIA-7A, 'Annual Survey of Coal Production and Preparation.'

Table 27. Average Price of Coal Receipts at Other Industrial Plants by Census Division and State

(dollars per short ton)

Census Division and State	October - December 2017	July - September 2017	October - December 2016	Year to Date		Percent Change
				2017	2016	
New England	w	w	w	w	w	w
Maine	w	w	w	w	w	w
Massachusetts	w	w	w	w	w	w
Middle Atlantic	92.05	85.48	72.27	81.87	79.11	3.5
New York	120.54	132.49	79.52	104.22	96.38	8.1
Pennsylvania	76.79	68.78	68.99	72.57	73.03	-0.6
East North Central	73.56	71.49	69.19	71.71	69.15	3.7
Illinois	w	45.14	45.68	w	w	w
Indiana	w	88.84	86.11	w	w	w
Michigan	91.07	81.65	74.94	83.81	77.91	7.6
Ohio	100.08	102.47	93.30	101.33	84.33	20.2
Wisconsin	81.29	81.92	77.13	80.45	77.95	3.2
West North Central	27.86	30.90	31.74	29.97	34.50	-13.1
Iowa	40.20	42.01	43.59	42.41	43.24	-1.9
Kansas	w	w	w	w	w	w
Minnesota	46.85	44.91	49.20	46.63	51.13	-8.8
Missouri	51.76	44.22	59.56	49.47	58.92	-16.0
Nebraska	26.72	30.73	28.70	29.72	29.07	2.2
North Dakota	w	w	w	w	w	w
South Dakota	w	w	w	w	w	w
South Atlantic	94.91	94.78	89.28	94.19	90.31	4.3
Delaware	-	-	w	-	w	-
Florida	w	w	91.35	w	w	w
Georgia	95.32	90.67	96.32	93.15	97.77	-4.7
Maryland	w	w	w	w	w	w
North Carolina	94.14	94.44	94.33	93.57	97.40	-3.9
South Carolina	97.41	100.10	92.98	97.33	93.60	4.0
Virginia	89.12	93.08	89.98	90.23	85.87	5.1
West Virginia	155.23	153.56	125.70	154.88	122.00	27.0
East South Central	85.22	86.99	85.51	87.53	88.20	-0.8
Alabama	w	93.88	84.12	w	w	w
Kentucky	87.11	84.97	86.49	89.26	90.75	-1.6
Tennessee	w	84.14	85.88	w	w	w
West South Central	67.85	64.32	67.09	65.36	67.15	-2.7
Arkansas	w	w	w	w	w	w
Louisiana	w	w	w	w	w	w
Oklahoma	64.25	w	w	w	w	w
Texas	73.96	75.48	75.37	73.32	81.81	-10.4
Mountain	52.19	55.16	50.21	52.62	52.58	0.1
Arizona	w	w	w	w	w	w
Colorado	40.30	w	58.25	w	w	w
Idaho	152.98	126.99	w	98.82	w	w
Montana	33.42	44.36	35.13	37.48	40.60	-7.7
Nevada	73.52	71.08	69.90	69.91	69.87	0.1
New Mexico	w	w	w	w	w	w
Utah	52.77	52.86	51.80	53.77	50.01	7.5
Wyoming	45.46	43.09	43.45	44.47	42.47	4.7
Pacific	81.91	91.91	75.80	85.94	77.95	10.3
California	84.21	92.87	75.72	87.14	78.04	11.7
Oregon	w	w	w	w	w	w
Washington	w	w	w	w	w	w
U.S. Total	56.64	58.00	57.20	57.87	60.34	-4.1

- = No data reported.

w = Data withheld to avoid disclosure.

Note: Average price is based on the cost, insurance, and freight (c.i.f. value). Total may not equal sum of components because of independent rounding.

Source: U.S. Energy Information Administration (EIA), Form EIA-3, 'Quarterly Survey of Industrial, Commercial & Institutional Coal Users.'

Table 28. U.S. Coal Receipts at Manufacturing Plants by North American Industry Classification System (NAICS) Code

(thousand short tons)

NAICS Code		October - December 2017	July - September 2017	October - December 2016	Year to Date		Percent Change
					2017	2016	
311	Food Manufacturing	2,010	2,178	2,032	8,157	7,797	4.6
312	Beverage and Tobacco Product Mfg.	4	3	5	23	30	-22.7
313	Textile Mills	22	17	27	99	98	0.8
322	Paper Manufacturing	706	700	886	2,967	3,709	-20.0
324	Petroleum and Coal Products*	1,595	1,527	1,723	6,170	6,314	-2.3
325	Chemical Manufacturing	817	972	1,135	3,621	4,992	-27.5
327	Nonmetallic Mineral Products Mfg.	2,044	2,401	2,037	8,447	7,919	6.7
331	Primary Metal Manufacturing**	547	632	545	2,274	2,206	3.1
333	Machinery Manufacturing	3	5	27	17	101	-83.0
339	Miscellaneous Manufacturing	342	365	205	1,446	873	65.7
U.S. Total		8,090	8,802	8,621	33,223	34,040	-2.4

* Includes coal gasification projects.

** Excludes coke plants.

- = No data reported.

Note: Total may not equal sum of components because of independent rounding.

Source: U.S. Energy Information Administration (EIA), Form EIA-3, 'Quarterly Survey of Industrial, Commercial & Institutional Coal Users.'

Table 29. Average Price of U.S. Coal Receipts at Manufacturing Plants by North American Industry Classification System (NAICS) Code

(dollars per short ton)

NAICS Code		October - December 2017	July - September 2017	October - December 2016	Year to Date		Percent Change
					2017	2016	
311	Food Manufacturing	42.16	43.87	44.13	42.86	45.80	-6.4
312	Beverage and Tobacco Product Mfg.	w	w	w	w	108.14	w
313	Textile Mills	112.67	114.80	111.93	110.10	110.47	-0.3
322	Paper Manufacturing	81.57	79.04	76.39	79.60	77.17	3.1
324	Petroleum and Coal Products*	w	w	w	w	w	w
325	Chemical Manufacturing	65.51	69.16	71.47	71.53	72.74	-1.7
327	Nonmetallic Mineral Products Mfg.	74.33	74.19	72.26	74.13	73.60	0.7
331	Primary Metal Manufacturing**	120.26	105.17	99.80	113.06	102.76	10.0
333	Machinery Manufacturing	w	w	w	w	w	w
339	Miscellaneous Manufacturing	52.52	53.43	54.72	52.91	62.91	-15.9
U.S. Total		56.64	58.00	57.20	57.87	60.34	-4.1

* Includes coal gasification projects.

** Excludes coke plants.

- = No data reported.

w = Data withheld to avoid disclosure.

Note: Average price is based on the cost, insurance, and freight (c.i.f. value). Total may not equal sum of components because of independent rounding.

Source: U.S. Energy Information Administration (EIA), Form EIA-3, 'Quarterly Survey of Industrial, Commercial & Institutional Coal Users.'

Table 30. Coal Receipts at Commercial and Institutional Users by Census Division and State

(thousand short tons)

Census Division and State	October - December 2017	July - September 2017	October - December 2016	Year to Date		Percent Change
				2017	2016	
Middle Atlantic	9	1	9	28	37	-24.7
Pennsylvania	9	1	9	28	37	-24.7
East North Central	48	33	60	165	225	-26.8
Illinois	27	20	32	101	112	-9.1
Indiana	16	13	15	44	59	-25.9
Ohio	-	-	7	-	33	-
Wisconsin	5	-	6	19	21	-9.5
West North Central	56	27	80	198	254	-22.0
Iowa	25	24	29	115	129	-10.7
Minnesota	1	s	1	8	9	-12.0
Missouri	6	3	27	24	57	-57.7
North Dakota	23	-	23	51	59	-13.6
South Atlantic	39	32	36	128	148	-13.2
District of Columbia	-	-	-	2	2	-0.1
North Carolina	26	26	27	98	108	-9.1
Virginia	12	6	9	28	38	-25.7
East South Central	2	3	2	10	15	-32.2
Kentucky	2	3	2	10	15	-32.2
Mountain	6	1	6	15	10	52.1
Colorado	1	-	1	1	1	-47.7
Montana	1	s	1	2	2	35.2
Wyoming	4	1	3	12	7	73.6
Pacific	106	111	124	473	477	-0.9
Alaska	106	111	124	473	477	-0.9
U.S. Total	264	209	315	1,017	1,166	-12.8

- = No data reported.

s = Absolute percentage less than 0.05 or value is less than 0.5 of the table metric.

Note: Total may not equal sum of components because of independent rounding.

Source: U.S. Energy Information Administration (EIA), Form EIA-3, 'Quarterly Survey of Industrial, Commercial & Institutional Coal Users.'

Table 31. Average Price of Coal Receipts at Commercial and Institutional Users by Census Division and State

(dollars per short ton)

Census Division and State	October - December 2017	July - September 2017	October - December 2016	Year to Date		Percent Change
				2017	2016	
Middle Atlantic	121.96	w	114.39	w	w	w
Pennsylvania	121.96	w	114.39	w	w	w
East North Central	67.68	52.85	75.40	66.87	75.68	-11.6
Illinois	w	w	56.14	w	w	w
Indiana	w	w	w	w	w	w
Ohio	-	-	w	-	w	-
Wisconsin	152.59	-	153.42	153.92	154.08	-0.1
West North Central	73.69	84.46	69.35	76.72	71.96	6.6
Iowa	w	w	w	w	w	w
Minnesota	w	w	w	w	w	w
Missouri	w	w	w	w	w	w
North Dakota	w	-	w	w	w	w
South Atlantic	101.18	113.67	94.90	105.31	100.45	4.8
District of Columbia	-	-	-	156.97	159.10	-1.3
North Carolina	w	w	w	w	w	w
Virginia	w	w	w	w	91.40	w
East South Central	w	w	w	w	w	w
Kentucky	w	w	w	w	w	w
Mountain	w	w	w	w	w	w
Colorado	w	-	w	w	w	w
Montana	w	w	w	w	w	w
Wyoming	w	w	w	w	w	w
Pacific	w	w	w	w	w	w
Alaska	w	w	w	w	w	w
U.S. Total	81.79	82.19	79.63	82.36	81.11	1.5

- = No data reported.

w = Data withheld to avoid disclosure.

Note: Average price is based on the cost, insurance, and freight (c.i.f. value). Total may not equal sum of components because of independent rounding.

Source: U.S. Energy Information Administration (EIA), Form EIA-3, 'Quarterly Survey of Industrial, Commercial & Institutional Coal Users.'

Consumption

Table 32. U.S. Coal Consumption by End-Use Sector, 2011 - 2017

(thousand short tons)

Year and Quarter	Electric Power Sector ¹	Coke Plants	Other Industrial			Commercial and Institutional			Total
			CHP ²	Non-CHP ³	Total	CHP ⁴	Non-CHP ⁵	Total	
2011									
January - March	235,953	5,188	5,773	6,716	12,489	526	490	1,016	254,647
April - June	224,177	5,392	5,466	5,571	11,036	378	264	643	241,247
July - September	262,618	5,407	5,696	5,473	11,168	396	132	528	279,722
October - December	209,736	5,447	5,384	6,160	11,543	367	239	605	227,332
Total	932,484	21,434	22,319	23,919	46,238	1,668	1,125	2,793	1,002,948
2012									
January - March	190,664	5,283	5,531	5,667	11,198	418	270	688	207,833
April - June	185,721	5,296	4,598	5,528	10,125	319	94	414	201,555
July - September	238,076	5,044	4,950	5,521	10,470	347	46	393	253,984
October - December	209,091	5,128	4,987	6,057	11,044	366	184	550	225,813
Total	823,551	20,751	20,065	22,773	42,838	1,450	595	2,045	889,185
2013									
January - March	211,971	5,280	5,115	5,942	11,057	418	260	679	228,987
April - June	199,845	5,471	4,747	5,554	10,301	307	91	397	216,014
July - September	237,205	5,429	4,830	5,538	10,368	299	57	355	253,357
October - December	208,942	5,294	5,069	6,260	11,329	333	187	520	226,084
Total	857,962	21,474	19,761	23,294	43,055	1,356	595	1,951	924,442
2014									
January - March	231,534	4,886	5,153	6,029	11,181	381	348	729	248,329
April - June	195,922	5,174	4,561	5,853	10,414	232	140	372	211,881
July - September	231,066	5,636	4,683	5,743	10,425	221	105	326	247,453
October - December	193,081	5,601	4,680	6,245	10,925	229	231	460	210,068
Total	851,602	21,297	19,076	23,870	42,946	1,063	824	1,887	917,731
2015									
January - March	196,656	5,156	4,602	5,791	10,393	277	290	567	212,772
April - June	174,376	4,987	4,095	5,216	9,311	166	136	302	188,975
July - September	214,811	5,030	4,316	4,957	9,273	173	105	278	229,393
October - December	152,601	4,535	3,971	5,511	9,482	183	174	357	166,974
Total	738,444	19,708	16,984	21,475	38,459	798	706	1,503	798,115
2016									
January - March	152,744	4,124	3,954	5,177	9,131	225	224	448	166,448
April - June	147,491	4,096	3,496	4,986	8,482	128	81	209	160,278
July - September	210,512	4,163	3,771	4,713	8,483	145	55	200	223,358
October - December	167,807	4,102	3,499	5,253	8,752	185	141	326	180,987
Total	678,554	16,485	14,720	20,129	34,849	683	500	1,183	731,071
2017									
January - March	160,339	4,236	3,550	4,985	8,535	178	194	373	173,482
April - June	154,202	4,325	3,260	4,852	8,112	126	77	203	166,842
July - September	190,614	4,491	3,142	5,455	8,597	149	46	195	203,898
October - December	159,595	4,485	3,472	4,897	8,369	154	136	290	172,740
Total	664,749	17,538	13,424	20,189	33,613	607	454	1,061	716,961
2016 January - December	678,554	16,485	14,720	20,129	34,849	683	500	1,183	731,071
2015 January - December	738,444	19,708	16,984	21,475	38,459	798	706	1,503	798,115

1 The electric power sector (electric utilities and independent power producers) comprises electricity-only and combined-heat-and-power (CHP) plants whose primary business is to sell electricity or electricity and heat to the public (i.e. NAICS 22 plants). The reported coal consumption is the total for producing electricity and useful thermal output.

2 Industrial combined-heat-and-power (CHP) and a small number of industrial electricity-only plants. The reported coal consumption is the total for producing electricity and useful thermal output.

3 All industrial sector fuel use other than in 'Coke Plants' and 'Industrial CHP.'

4 Includes commercial combined-heat-and-power (CHP) and a small number of commercial electricity-only plants, such as hospitals and universities. The reported coal consumption is the total for producing electricity and useful thermal output.

5 All commercial sector fuel use other than that in 'Commercial CHP.' Excludes residential use.

Note: Total may not equal sum of components because of independent rounding.

Source: U.S. Energy Information Administration (EIA). *Electric Power Sector and CHP: Form EIA-923, 'Power Plant Operations Report.' *Coke Plants: Form EIA-3, 'Quarterly Survey of Industrial, Commercial & Institutional Coal Users.' *Other Industrial: Form EIA-3, 'Quarterly Survey of Industrial, Commercial & Institutional Coal Users,' Form EIA-7A, 'Annual Survey of Coal Production and Preparation,' and Form EIA-923, 'Power Plant Operations Report.' *Commercial and Institutional: 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.'

Table 33. Coal Carbonized at Coke Plants by Census Division

(thousand short tons)

Census Division	October - December 2017	July - September 2017	October - December 2016	Year to Date		Percent Change
				2017	2016	
Middle Atlantic	1,380	1,367	1,174	5,347	4,694	13.9
East North Central	2,363	2,400	2,210	9,295	8,947	3.9
South Atlantic	405	400	394	1,587	1,590	-0.2
East South Central	337	324	325	1,308	1,253	4.3
U.S. Total	4,485	4,491	4,102	17,538	16,485	6.4

Note: Total may not equal sum of components because of independent rounding.

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.'

Table 34. Coal Consumption at Other Industrial Plants by Census Division and State

(thousand short tons)

Census Division and State	October - December 2017	July - September 2017	October - December 2016	Year to Date		Percent Change
				2017	2016	
New England	6	5	6	22	21	8.9
Maine	5	4	5	18	17	9.8
Massachusetts	1	1	1	4	4	4.7
Middle Atlantic	244	290	363	1,152	1,645	-30.0
New York	87	115	90	386	410	-5.8
Pennsylvania	157	175	273	766	1,235	-38.0
East North Central	1,602	1,706	1,677	6,778	7,011	-3.3
Illinois	572	679	618	2,590	2,510	3.2
Indiana	466	504	552	2,006	2,209	-9.2
Michigan	184	189	137	706	704	0.2
Ohio	146	145	136	561	707	-20.5
Wisconsin	235	189	234	915	881	3.8
West North Central	3,371	3,349	3,337	12,909	12,185	5.9
Iowa	621	571	629	2,412	2,485	-2.9
Kansas	33	30	32	112	104	7.8
Minnesota	363	537	296	1,551	1,055	47.0
Missouri	201	303	182	898	711	26.2
Nebraska	327	291	308	1,173	1,113	5.3
North Dakota	1,764	1,561	1,837	6,540	6,505	0.5
South Dakota	62	57	53	224	212	5.6
South Atlantic	736	733	845	3,016	3,578	-15.7
Delaware	-	-	15	-	102	-
Florida	123	138	122	562	500	12.4
Georgia	89	73	93	335	432	-22.5
Maryland	150	150	157	562	554	1.4
North Carolina	108	94	133	454	526	-13.7
South Carolina	55	64	91	251	324	-22.7
Virginia	122	120	152	503	613	-17.9
West Virginia	89	93	82	350	526	-33.6
East South Central	730	835	842	3,296	3,800	-13.3
Alabama	255	233	241	972	1,105	-12.0
Kentucky	191	200	207	834	782	6.6
Tennessee	283	401	395	1,490	1,913	-22.1
West South Central	358	405	407	1,542	1,732	-11.0
Arkansas	50	48	49	198	200	-1.4
Louisiana	56	72	56	241	267	-9.9
Oklahoma	111	113	145	474	591	-19.9
Texas	140	172	156	630	673	-6.4
Mountain	887	869	877	3,317	3,376	-1.7
Arizona	61	67	36	227	175	29.9
Colorado	71	81	68	295	285	3.6
Idaho	36	24	35	114	107	6.4
Montana	92	43	110	252	261	-3.4
Nevada	64	66	75	258	285	-9.5
New Mexico	21	17	19	74	73	0.6
Utah	111	166	111	484	575	-15.7
Wyoming	433	405	423	1,611	1,614	-0.1
Pacific	434	406	398	1,582	1,502	5.3
Alaska	s	s	s	1	1	s
California	390	376	366	1,464	1,389	5.4
Hawaii	-	-	5	-	12	-
Oregon	27	14	-	41	-	-
Washington	17	16	27	76	100	-24.6
U.S. Total	8,369	8,597	8,752	33,613	34,849	-3.5

- = No data reported.

s = Absolute percentage less than 0.05 or value is less than 0.5 of the table metric.

Note: Total may not equal sum of components because of independent rounding.

Source: U.S. Energy Information Administration (EIA), Form EIA-3, 'Quarterly Survey of Industrial, Commercial & Institutional Coal Users' and Form EIA-7A, 'Annual Survey of Coal Production and Preparation.'

Table 35. U.S. Coal Consumption at Manufacturing Plants by North American Industry Classification System (NAICS) Code

(thousand short tons)

NAICS Code		October - December 2017	July - September 2017	October - December 2016	Year to Date		Percent Change
					2017	2016	
311	Food Manufacturing	2,060	2,131	2,045	8,213	7,854	4.6
312	Beverage and Tobacco Product Mfg.	4	3	5	24	29	-19.6
313	Textile Mills	23	16	27	99	99	0.6
322	Paper Manufacturing	746	673	907	3,001	3,958	-24.2
324	Petroleum and Coal Products*	1,611	1,505	1,752	6,162	6,308	-2.3
325	Chemical Manufacturing	849	975	1,176	3,674	5,177	-29.0
327	Nonmetallic Mineral Products Mfg.	2,093	2,298	2,079	8,553	8,170	4.7
331	Primary Metal Manufacturing**	587	619	524	2,364	2,269	4.2
332	Fabricated Metal Product Mfg.	-	-	-	-	4	-
333	Machinery Manufacturing	35	6	17	67	80	-16.5
336	Transportation Equipment Mfg.	1	-	1	3	2	18.4
339	Miscellaneous Manufacturing	361	370	219	1,454	899	61.7
U.S. Total		8,369	8,597	8,752	33,613	34,849	-3.5

* Includes coal gasification projects.

** Excludes coke plants.

- = No data reported.

Note: Total may not equal sum of components because of independent rounding.

Source: U.S. Energy Information Administration (EIA), Form EIA-3, 'Quarterly Survey of Industrial, Commercial & Institutional Coal Users.'

Table 36. Coal Consumption at Commercial and Institutional Users by Census Division and State

(thousand short tons)

Census Division and State	October - December 2017	July - September 2017	October - December 2016	Year to Date		Percent Change
				2017	2016	
Middle Atlantic	6	1	10	25	39	-37.7
Pennsylvania	6	1	10	25	39	-37.7
East North Central	47	38	53	180	252	-28.5
Illinois	23	22	28	103	105	-2.5
Indiana	19	16	13	57	67	-14.8
Michigan	-	-	-	-	14	-
Ohio	-	-	7	1	45	-98.2
Wisconsin	5	-	5	20	21	-6.7
West North Central	53	37	79	208	254	-18.0
Iowa	25	33	29	122	130	-6.6
Minnesota	3	s	4	8	10	-21.6
Missouri	6	3	26	25	55	-54.9
North Dakota	19	s	21	54	58	-7.5
South Atlantic	40	22	42	143	154	-6.8
District of Columbia	s	-	s	1	1	-13.1
North Carolina	29	21	31	105	119	-11.3
Virginia	11	1	11	37	34	9.1
East South Central	2	2	3	14	14	-0.8
Kentucky	2	2	3	14	14	-0.8
Mountain	5	1	6	15	10	48.3
Colorado	-	s	1	s	1	-76.4
Montana	1	-	1	2	2	47.8
Wyoming	4	1	3	12	7	73.6
Pacific	136	95	134	476	460	3.6
Alaska	136	95	134	476	460	3.6
U.S. Total	290	195	326	1,061	1,183	-10.3

- = No data reported.

s = Absolute percentage less than 0.05 or value is less than 0.5 of the table metric.

Note: Total may not equal sum of components because of independent rounding.

Source: U.S. Energy Information Administration (EIA), Form EIA-3, 'Quarterly Survey of Industrial, Commercial & Institutional Coal Users.'

Stocks

Table 37. U.S. Coal Stocks, 2011 - 2017

(thousand short tons)

Last Day of Quarter	Coal Consumers				Total	Coal Producers and Distributors	Total
	Electric Power Sector ¹	Coke Plants	Other Industrial ²	Commercial and Institutional Users			
2011							
March 31	166,255	1,959	3,864	503	172,581	48,165	220,746
June 30	165,149	1,956	4,181	510	171,795	50,507	222,302
September 30	143,711	2,405	4,247	518	150,881	49,909	200,790
December 31	172,387	2,610	4,455	603	180,054	51,897	231,951
2012							
March 31	195,380	2,300	3,929	557	202,166	51,141	253,307
June 30	197,924	2,295	4,219	585	205,023	50,374	255,397
September 30	182,020	2,396	4,518	596	189,530	46,231	235,761
December 31	185,116	2,522	4,475	583	192,696	46,157	238,853
2013							
March 31	171,736	2,207	3,946	530	178,419	48,422	226,841
June 30	171,124	2,500	3,957	529	178,110	50,129	228,239
September 30	152,694	2,546	4,308	530	160,079	47,135	207,214
December 31	147,884	2,200	4,097	495	154,676	45,652	200,328
2014							
March 31	118,260	1,791	3,534	405	123,990	44,728	168,718
June 30	133,479	1,937	3,626	429	139,471	42,682	182,153
September 30	124,546	2,307	4,070	462	131,386	38,828	170,214
December 31	151,548	2,640	4,196	449	158,833	38,894	197,727
2015							
March 31	154,347	2,135	3,639	388	160,509	39,610	200,119
June 30	166,437	2,627	3,864	386	173,314	39,399	212,713
September 30	162,109	3,013	4,271	392	169,784	36,213	205,997
December 31	195,548	2,236	4,382	394	202,560	35,871	238,431
2016							
March 31	191,553	1,914	3,956	332	197,755	35,207	232,962
June 30	182,086	1,802	3,834	337	188,060	32,932	220,992
September 30	156,567	1,660	3,720	370	162,318	27,282	189,600
December 31	162,009	1,675	3,637	360	167,681	25,309	192,990
2017							
March 31	161,690	1,388	3,237	335	166,649	25,190*	191,839
June 30	157,719	1,626	3,296	329	162,970	23,430*	186,400
September 30	139,315	1,670	3,487	337	144,809	21,984*	166,793
December 31	137,155	1,718	3,249	310	142,431	21,108*	163,539

1 The electric power sector (electric utilities and independent power producers) comprises electricity-only and combined-heat-and-power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public (i.e. NAICS 22 plants).

2 Manufacturing plants only.

* Estimated.

-- No data reported.

Note: Beginning in 1999, the first three quarters of each year's data for Coal Producers and Distributors are estimated. Electric power sector stocks include anthracite, bituminous coal, sub-bituminous coal, and lignite, and exclude waste coal. Total may not equal sum of components because of independent rounding.

Source: U.S. Energy Information Administration (EIA). *Electric Power Sector: Form EIA-923, 'Power Plant Operations Report.' *Coke Plants: Form EIA-3, 'Quarterly Survey of Industrial, Commercial & Institutional Coal Users.' *Other Industrial and Commercial and Institutional Users: Form EIA-3, 'Quarterly Survey of Industrial, Commercial & Institutional Coal Users.' *Producers and Distributors: 'Short Term Energy Outlook' estimates, Form EIA-7A, 'Annual Survey of Coal Production and Preparation,' and Form EIA-8A, 'Annual Survey of Coal Stocks and Coal Exports.' Prior to third quarter 2014, coke plant data was collected under Form EIA-5, 'Quarterly Coal Consumption and Quality Report - Coke Plants.'

Table 38. Coal Stocks at Coke Plants by Census Division

(thousand short tons)

Census Division	December 31, 2017	September 30, 2017	December 31, 2016	Percent Change (December 31) 2017 versus 2016
Middle Atlantic	355	196	304	16.6
East North Central	1,042	1,128	1,024	1.8
South Atlantic	177	153	144	22.6
East South Central	145	192	203	-28.7
U.S. Total	1,718	1,670	1,675	2.6

Note: Total may not equal sum of components because of independent rounding.

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.'

Table 39. Coal Stocks at Other Industrial Plants by Census Division and State

(thousand short tons)

Census Division and State	December 31, 2017	September 30, 2017	December 31, 2016	Percent Change (December 31) 2017 versus 2016
New England	5	5	5	-1.6
Maine	s	1	1	-52.0
Massachusetts	4	4	4	8.8
Middle Atlantic	238	241	303	-21.4
New York	78	83	146	-46.4
Pennsylvania	160	158	156	2.1
East North Central	654	742	821	-20.3
Illinois	114	109	143	-20.5
Indiana	212	235	281	-24.6
Michigan	195	235	242	-19.4
Ohio	23	25	26	-14.9
Wisconsin	111	138	129	-13.4
West North Central	692	806	684	1.2
Iowa	144	168	127	13.1
Kansas	29	44	42	-30.6
Minnesota	186	169	157	18.5
Missouri	65	73	71	-8.9
Nebraska	53	72	66	-20.7
North Dakota	192	240	206	-6.9
South Dakota	23	39	14	70.1
South Atlantic	372	341	363	2.3
Delaware	-	-	1	-100.0
Florida	72	49	47	53.4
Georgia	55	69	75	-26.4
Maryland	13	13	14	-9.5
North Carolina	35	31	27	30.0
South Carolina	68	60	68	1.0
Virginia	69	66	85	-19.1
West Virginia	60	53	47	27.5
East South Central	167	212	234	-28.7
Alabama	71	88	104	-32.0
Kentucky	23	24	28	-19.0
Tennessee	74	100	102	-28.0
West South Central	413	412	460	-10.3
Arkansas	31	36	36	-14.0
Louisiana	5	4	8	-41.7
Oklahoma	113	123	128	-11.8
Texas	264	251	288	-8.2
Mountain	554	556	551	0.5
Arizona	27	31	52	-48.3
Colorado	19	16	54	-64.8
Idaho	266	282	271	-2.0
Montana	56	49	38	47.6
Nevada	30	28	28	6.5
New Mexico	3	1	4	-28.0
Utah	59	53	46	30.2
Wyoming	94	97	59	59.0
Pacific	154	172	215	-28.6
California	125	138	163	-23.1
Hawaii	-	-	16	-100.0
Oregon	23	30	34	-33.9
Washington	6	5	2	193.0
U.S. Total	3,249	3,487	3,637	-10.7

s = Absolute percentage less than 0.05 or value is less than 0.5 of the table metric.

Note: Total may not equal sum of components because of independent rounding.

Source: U.S. Energy Information Administration (EIA), Form EIA-3, 'Quarterly Survey of Industrial, Commercial & Institutional Coal Users.'

Table 40. U.S. Coal Stocks at Manufacturing Plants by North American Industry Classification System (NAICS) Code

(thousand short tons)

NAICS Code	December 31, 2017	September 30, 2017	December 31, 2016	Percent Change (December 31) 2017 versus 2016
311 Food Manufacturing	708	758	772	-8.3
312 Beverage and Tobacco Product Mfg.	3	3	3	-6.0
313 Textile Mills	13	14	14	-7.2
322 Paper Manufacturing	351	388	359	-2.2
324 Petroleum and Coal Products*	178	193	173	2.9
325 Chemical Manufacturing	296	326	361	-18.0
327 Nonmetallic Mineral Products Mfg.	1,277	1,344	1,463	-12.7
331 Primary Metal Manufacturing**	313	319	387	-19.1
333 Machinery Manufacturing	22	28	37	-41.5
336 Transportation Equipment Mfg.	2	4	5	-54.0
339 Miscellaneous Manufacturing	86	109	62	37.2
U.S. Total	3,249	3,487	3,637	-10.7

* Includes coal gasification projects.

** Excludes coke plants.

-- No data reported.

Note: Total may not equal sum of components because of independent rounding.

Source: U.S. Energy Information Administration (EIA), Form EIA-3, 'Quarterly Survey of Industrial, Commercial & Institutional Coal Users.'

Table 41. Coke and Breeze Stocks at Coke Plants by Census Division

(thousand short tons)

Census Division	December 31, 2017	September 30, 2017	December 31, 2016	Percent Change (December 31) 2017 versus 2016
Middle Atlantic	93	83	100	-7.5
East North Central	421	386	507	-17.0
South Atlantic	85	93	92	-7.0
East South Central	101	93	110	-8.0
U.S. Total	700	654	809	-13.5
Coke Total	558	465	579	-3.6
Breeze Total	142	190	230	-38.4

Note: Total may not equal sum of components because of independent rounding.

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.'

Table 42. Coal Stocks at Commercial and Institutional Users by Census Division and State

(thousand short tons)

Census Division and State	December 31, 2017	September 30, 2017	December 31, 2016	Percent Change (December 31) 2017 versus 2016
Middle Atlantic	42	40	44	-4.4
Pennsylvania	42	40	44	-4.4
East North Central	51	48	62	-17.5
Illinois	23	16	19	18.5
Indiana	21	24	33	-38.6
Ohio	5	5	6	-14.0
Wisconsin	3	2	3	-19.7
West North Central	48	49	62	-22.1
Iowa	28	28	35	-19.9
Minnesota	7	12	11	-37.4
Missouri	1	1	2	-15.2
North Dakota	12	8	15	-17.1
South Atlantic	48	49	63	-23.4
District of Columbia	4	4	4	20.7
North Carolina	26	29	33	-21.5
Virginia	18	16	26	-31.7
East South Central	8	9	12	-38.2
Kentucky	8	9	12	-37.0
Tennessee	-	-	s	-100.0
Mountain	3	3	3	-18.4
Colorado	1	s	s	90.9
Montana	2	2	3	-32.7
Wyoming	s	s	s	s
Pacific	110	140	113	-3.3
Alaska	110	140	113	-3.3
U.S. Total	310	337	360	-14.0

- = No data reported.

s = Absolute percentage less than 0.05 or value is less than 0.5 of the table metric.

Note: Total may not equal sum of components because of independent rounding.

Source: U.S. Energy Information Administration (EIA), Form EIA-3, 'Quarterly Survey of Industrial, Commercial & Institutional Coal Users.'

Quality

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.'

Table 44. Average Quality of Coal Received at Commercial and Institutional Users 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	
Middle Atlantic						
Btu	13,107	14,814	13,049	13,107	13,069	0.3
Sulfur	0.78	1.00	0.74	0.77	0.83	-7.3
Ash	7.31	5.83	8.19	8.13	8.26	-1.7
Pennsylvania						
Btu	13,107	14,814	13,049	13,107	13,069	0.3
Sulfur	0.78	1.00	0.74	0.77	0.83	-7.3
Ash	7.31	5.83	8.19	8.13	8.26	-1.7
East North Central						
Btu	11,638	11,389	11,703	11,577	11,790	-1.8
Sulfur	2.65	3.01	2.61	2.71	2.57	5.3
Ash	9.10	9.40	8.79	9.25	8.69	6.4
Illinois						
Btu	11,533	11,464	11,168	11,342	11,216	1.1
Sulfur	3.23	3.14	3.15	3.19	3.21	-0.6
Ash	9.37	9.67	9.51	9.57	9.44	1.4
Indiana						
Btu	11,219	11,271	11,395	11,331	11,359	-0.2
Sulfur	2.30	2.80	2.98	2.45	2.95	-16.9
Ash	9.12	8.98	9.10	9.22	9.30	-0.9
Ohio						
Btu	-	-	13,392	-	13,507	-
Sulfur	-	-	0.86	-	0.88	-
Ash	-	-	5.77	-	5.70	-
Wisconsin						
Btu	13,375	-	13,375	13,375	13,375	s
Sulfur	0.78	-	0.78	0.78	0.78	s
Ash	7.65	-	7.65	7.65	7.65	s
West North Central						
Btu	10,331	11,401	10,574	10,624	10,663	-0.4
Sulfur	1.88	2.67	2.24	2.11	2.16	-2.4
Ash	8.69	8.70	8.89	8.63	8.71	-1.0
Iowa						
Btu	11,655	11,410	11,578	11,446	11,447	s
Sulfur	2.88	2.64	2.84	2.71	2.60	4.1
Ash	8.32	8.77	8.38	8.60	8.57	0.3
Minnesota						
Btu	9,308	9,226	9,307	8,913	8,981	-0.8
Sulfur	0.33	0.28	0.27	0.28	0.22	24.5
Ash	4.67	4.13	3.78	5.58	5.31	5.1
Missouri						
Btu	11,405	11,415	11,332	11,407	11,333	0.7
Sulfur	3.00	2.95	3.07	2.99	3.03	-1.2
Ash	8.66	8.31	8.31	8.50	8.48	0.3
North Dakota						
Btu	8,671	-	8,464	8,672	8,569	1.2
Sulfur	0.60	-	0.60	0.61	0.64	-5.6
Ash	9.35	-	10.53	9.21	9.75	-5.6
South Atlantic						
Btu	12,936	12,983	12,936	13,029	13,179	-1.1
Sulfur	1.52	1.37	1.54	1.45	1.48	-1.8
Ash	9.09	9.15	9.56	9.15	9.51	-3.8
District of Columbia						
Btu	-	-	-	13,156	13,260	-0.8
Sulfur	-	-	-	0.58	0.51	13.7
Ash	-	-	-	6.85	6.64	3.2
North Carolina						
Btu	12,892	13,113	12,955	13,072	13,200	-1.0
Sulfur	1.85	1.50	1.74	1.65	1.63	1.1
Ash	9.87	9.02	9.77	9.48	8.87	6.8

Census Division and State ¹	October - December 2017	July - September 2017	October - December 2016	Year to Date		Percent Change
				2017	2016	
Virginia						
Btu	13,026	12,456	12,882	12,871	13,114	-1.9
Sulfur	0.82	0.84	0.98	0.80	1.08	-25.2
Ash	7.46	9.67	8.93	8.14	11.45	-28.9
East South Central						
Btu	13,293	12,857	12,871	13,109	13,205	-0.7
Sulfur	0.78	0.77	0.79	0.77	0.71	8.9
Ash	6.66	6.51	7.12	6.12	6.03	1.6
Kentucky						
Btu	13,293	12,857	12,871	13,109	13,205	-0.7
Sulfur	0.78	0.77	0.79	0.77	0.71	8.9
Ash	6.66	6.51	7.12	6.12	6.03	1.6
Mountain						
Btu	11,504	11,623	11,481	11,404	10,788	5.7
Sulfur	0.44	0.47	0.44	0.45	0.42	5.9
Ash	9.96	10.01	8.96	10.26	7.74	32.5
Colorado						
Btu	11,881	-	11,924	11,783	11,924	-1.2
Sulfur	0.45	-	0.31	0.45	0.31	45.2
Ash	10.66	-	8.86	10.67	8.86	20.4
Montana						
Btu	10,511	10,500	10,800	10,480	11,193	-6.4
Sulfur	0.37	0.49	0.48	0.43	0.46	-6.2
Ash	6.94	7.11	7.07	7.02	7.59	-7.5
Wyoming						
Btu	11,676	11,768	11,520	11,537	10,497	9.9
Sulfur	0.46	0.47	0.48	0.45	0.44	3.5
Ash	10.53	10.39	9.57	10.78	7.57	42.3
Pacific						
Btu	7,541	7,472	7,572	7,498	7,559	-0.8
Sulfur	0.15	0.12	0.16	0.13	0.16	-19.1
Ash	4.81	4.70	8.01	5.56	6.75	-17.5
Alaska						
Btu	7,541	7,472	7,572	7,498	7,559	-0.8
Sulfur	0.15	0.12	0.16	0.13	0.16	-19.1
Ash	4.81	4.70	8.01	5.56	6.75	-17.5
U.S. Total						
Btu	9,965	9,583	9,980	9,733	10,039	-3.0
Sulfur	1.20	1.12	1.33	1.13	1.26	-10.4
Ash	7.23	6.71	8.58	7.35	7.95	-7.5

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.'