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Quarterly Coal Report January–March 2019

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Preface

EIA publishes this report to fulfill data collection and dissemination responsibilities under the Federal Energy Administration Act of 1974 (Public Law 93-275), as amended.

The *Quarterly Coal Report* (QCR) provides information about U.S. coal production, exports, imports, receipts, prices, consumption, quality, stocks, and refined coal data to a wide audience, including Congress, federal and state agencies, the coal industry, and the general public. In addition, the QCR offers U.S. coke production, consumption, stocks, imports, and exports data. The first-quarter 2019 QCR includes detailed quarterly coal data for January 2019–March 2019 and aggregated quarterly historical coal data for 2012 through first-quarter 2019.

All data for 2017 and previous years are final. All data for 2018 and 2019 are preliminary.

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Table ES-1. U.S. coal summary statistics, 2013 - 2019

(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
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	197,138	1,915	2,918	25,190	173,712	22,307	166,774	-
April - June	187,098	2,197	2,123	23,430	166,866	21,796	163,264	-
July - September	196,440	2,308	2,609	23,430	203,482	24,644	145,060	-
October - December	193,933	1,357	2,301	23,999	172,796	28,206	142,957	-
Total	774,609	7,777	9,951		716,856	96,953		4,562
2018								
January - March	187,639	1,367	2,816	26,775*	167,531	27,221	131,206	-
April - June	180,785	1,546	2,276	24,524*	156,670	30,876	126,296	-
July - September	194,663	1,439	2,593	23,413*	194,128	29,067	105,875	-
October - December	192,435	1,602	2,477	23,978*	169,057	28,469	108,098	-
Total	755,523	5,954	10,162		687,386	115,632		3,501
2019								
January - March	179,536	1,689	2,519	23,158*	157,580	25,210	102,185	-
Total	179,536	1,689	2,519		157,580	25,210		7,687
2018 January - March	187,639	1,367	2,816		167,531	27,221		-
2017 January - March	197,138	1,915	2,918		173,712	22,307		-

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, 2013 - 2019

(thousand short tons)

Year and quarter	Production	Imports	Producer and distributor stocks ¹	Consumption ²	Exports
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
2018					
January - March	3,219	4	405	3,072	304
April - June	3,479	68	440	3,225	286
July - September	3,564	10	396	3,412	206
October - December	3,545	35	354	3,268	354
Total	13,806	117		12,976	1,151
2019					
January - March	3,323	6	361	3,131	190
Total	3,323	6		3,131	190
2018 January - March	3,219	4		3,072	304
2017 January - March	3,027	1		2,918	242

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, 2013 - 2019

(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			
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	15,073	17,625	3,186	35,884	35.69	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
2018							
January - March	14,908	16,401	4,016	35,326	36.93	46,972	46,972
April - June	15,458	14,820	4,959	35,236	37.01	33,989	33,989
July - September	19,199	18,761	4,302	42,262	36.51	41,867	41,867
October - December	18,144	19,317	3,951	41,412	36.45	38,320	38,320
Total	67,710	69,299	17,228	154,237	36.71	161,148	161,148
2019							
January - March	17,083	15,688	3,660	36,431	36.41	36,210	36,210
Total	17,083	15,688	3,660	36,431	36.41	36,210	36,210

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, 2013 - 2019

(thousand short tons)

Year	January - March	April - June	July - September	October - December	Total
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	197,138	187,098	196,440	193,933	774,609
2018	187,639	180,785	194,663	192,435	755,523
2019	179,536	-	-	-	179,536

- = No data reported.

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	January - March 2019	October - December 2018	January - March 2018	Year to date		Percent change
				2019	2018	
Alabama	3,823	3,666	3,899	3,823	3,899	-2.0
Alaska	252	291	236	252	236	6.8
Arizona	1,503	1,612	1,526	1,503	1,526	-1.5
Colorado	3,486	3,343	3,275	3,486	3,275	6.4
Illinois	13,011	12,302	12,611	13,011	12,611	3.2
Indiana	8,898	9,083	8,471	8,898	8,471	5.0
Kentucky Total	9,994	9,663	10,195	9,994	10,195	-2.0
Eastern (Kentucky)	3,880	3,939	4,437	3,880	4,437	-12.6
Western (Kentucky)	6,114	5,724	5,758	6,114	5,758	6.2
Louisiana	232	292	231	232	231	0.5
Maryland	380	290	379	380	379	0.2
Mississippi	596	669	640	596	640	-6.9
Missouri	50	65	64	50	64	-22.4
Montana	7,082	10,906	9,059	7,082	9,059	-21.8
New Mexico	3,728	3,984	2,023	3,728	2,023	84.3
North Dakota	7,200	7,305	7,533	7,200	7,533	-4.4
Ohio	1,940	2,457	2,450	1,940	2,450	-20.8
Oklahoma	64	94	131	64	131	-51.3
Pennsylvania Total	12,495	12,663	11,963	12,495	11,963	4.5
Anthracite (Pennsylvania)	521	478	420	521	420	23.9
Bituminous (Pennsylvania)	11,975	12,186	11,543	11,975	11,543	3.7
Tennessee	71	44	57	71	57	25.1
Texas	6,447	5,630	6,064	6,447	6,064	6.3
Utah	4,158	3,433	3,634	4,158	3,634	14.4
Virginia	3,126	3,162	3,239	3,126	3,239	-3.5
West Virginia Total	23,771	23,182	23,375	23,771	23,375	1.7
Northern (West Virginia)	12,155	11,751	11,092	12,155	11,092	9.6
Southern (West Virginia)	11,616	11,431	12,284	11,616	12,284	-5.4
Wyoming	67,127	78,146	76,385	67,127	76,385	-12.1
Appalachia Total	49,485	49,404	49,799	49,485	49,799	-0.6
Appalachia Central	18,692	18,577	20,016	18,692	20,016	-6.6
Appalachia Northern	26,970	27,161	25,884	26,970	25,884	4.2
Appalachia Southern	3,823	3,666	3,899	3,823	3,899	-2.0
Interior Region Total	35,412	33,859	33,970	35,412	33,970	4.2
Illinois Basin	28,024	27,109	26,839	28,024	26,839	4.4
Interior	7,388	6,750	7,130	7,388	7,130	3.6
Western Region Total	94,537	109,021	103,671	94,537	103,671	-8.8
Powder River Basin	70,415	83,889	80,845	70,415	80,845	-12.9
Uinta Region	7,461	6,543	6,620	7,461	6,620	12.7
Western	16,661	18,589	16,205	16,661	16,205	2.8
East of Mississippi River	78,105	77,181	77,278	78,105	77,278	1.1
West of Mississippi River	101,329	115,103	110,161	101,329	110,161	-8.0
U.S. Subtotal	179,434	192,284	187,439	179,434	187,439	-4.3
Refuse recovery	102	151	200	102	200	-48.7
U.S. Total	179,536	192,435	187,639	179,536	187,639	-4.3

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	January - March 2019	October - December 2018	January - March 2018	Year to date		Percent change
				2019	2018	
Middle Atlantic	1,016	1,157	955	1,016	955	6.4
East North Central	1,924	1,971	1,858	1,924	1,858	3.6
South Atlantic	336	346	308	336	308	9.3
East South Central	216	250	257	216	257	-15.9
U.S. Total	3,493	3,724	3,378	3,493	3,378	3.4
Coke Total	3,323	3,545	3,219	3,323	3,219	3.2
Breeze Total	170	179	159	170	159	7.1

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, 2013 - 2019

(thousand short tons)

Year	January - March		April - June		July - September		October - December		Total	
	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports
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
2018	27,221	1,367	30,876	1,546	29,067	1,439	28,469	1,602	115,632	5,954
2019	25,210	1,689	-	-	-	-	-	-	25,210	1,689

- = No data reported.

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, 2013 - 2019

(dollars per short ton)

Year	January - March		April - June		July - September		October - December		Total	
	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports
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
2018	105.78	71.48	103.26	82.95	99.30	91.02	108.58	83.07	104.17	82.30
2019	110.36	78.43	-	-	-	-	-	-	110.36	78.43

- = No data reported.

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, 2013 - 2019

(short tons and dollars per short ton)

Year and quarter	Australia	Canada	Colombia	Indonesia	China	Venezuela	Other countries	Total
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	121,967	1,078,480	7,890,800	613,944	6,955	-	134,212	9,846,358
2017	700	891,734	6,086,612	699,453	6,474	46	92,153	7,777,172
2018								
January - March	-	105,103	1,032,860	196,457	4,962	-	27,580	1,366,962
April - June	-	210,538	1,057,691	265,469	3,978	-	8,724	1,546,400
July - September	-	256,680	839,988	255,835	13,312	-	72,895	1,438,710
October - December	-	198,038	1,130,042	197,427	6,372	-	70,199	1,602,078
U.S. Total	-	770,359	4,060,581	915,188	28,624	-	179,398	5,954,150
2019								
January - March	-	146,411	1,305,247	198,104	5,037	-	34,000	1,688,799
U.S. Total	-	146,411	1,305,247	198,104	5,037	-	34,000	1,688,799

**Average price
(dollars per short ton)**

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	47.66	77.40	65.10	52.17	126.99	-	85.65	65.75
2017	74.89	189.83	64.44	64.11	97.33	103.33	132.12	79.62
2018								
January - March	-	181.51	58.37	74.05	162.88	-	108.36	71.48
April - June	-	212.64	59.31	71.57	260.72	-	84.50	82.95
July - September	-	186.35	61.92	78.15	74.93	-	138.82	91.02
October - December	-	180.03	65.24	78.42	146.86	-	104.02	83.07
U.S. Total	-	191.25	61.26	75.42	132.01	-	117.88	82.30
2019								
January - March	-	190.57	65.86	62.20	77.31	-	172.73	78.43
U.S. Total	-	190.57	65.86	62.20	77.31	-	172.73	78.43

- = 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	January - March 2019	October - December 2018	January - March 2018	Year to date		Percent change
				2019	2018	
North America Total	1,686,914	3,567,039	2,020,609	1,686,914	2,020,609	-16.5
Canada*	213,404	1,922,294	529,211	213,404	529,211	-59.7
Dominica	-	-	50,486	-	50,486	-
Dominican Republic	231,647	98,882	-	231,647	-	-
Guatemala	129,448	81,488	83,716	129,448	83,716	54.6
Honduras	43,913	93,211	38,360	43,913	38,360	14.5
Jamaica	33,202	36,376	-	33,202	-	-
Mexico	913,949	1,213,488	1,276,279	913,949	1,276,279	-28.4
Panama	-	432	42,440	-	42,440	-
Trinidad and Tobago	121,256	120,868	95	121,256	95	NM
Other**	95	-	22	95	22	331.8
South America Total	2,414,714	2,583,002	2,804,537	2,414,714	2,804,537	-13.9
Argentina	84,037	240,262	265,388	84,037	265,388	-68.3
Brazil	1,996,182	2,216,980	2,256,213	1,996,182	2,256,213	-11.5
Chile	333,089	124,466	281,529	333,089	281,529	18.3
Other**	1,406	1,294	1,407	1,406	1,407	-0.1
Europe Total	9,371,344	11,882,983	8,988,103	9,371,344	8,988,103	4.3
Austria	677,268	562,480	96,589	677,268	96,589	NM
Belgium	131,469	260,230	301,261	131,469	301,261	-56.4
Bosnia and Herzegovina	-	69,939	-	-	-	-
Croatia	574,776	417,887	752,597	574,776	752,597	-23.6
Denmark (Except Greenland)	-	64,080	-	-	-	-
Finland	-	148,716	-	-	-	-
France	378,938	426,825	520,325	378,938	520,325	-27.2
Germany, Federal Republic of	533,910	858,913	803,021	533,910	803,021	-33.5
Greece	83,940	-	-	83,940	-	-
Italy	850,989	990,234	723,037	850,989	723,037	17.7
Netherlands	3,180,818	3,817,403	2,196,096	3,180,818	2,196,096	44.8
Norway	7,142	16,915	16,413	7,142	16,413	-56.5
Poland	412,095	429,665	473,682	412,095	473,682	-13.0
Portugal	351,348	82,673	147,905	351,348	147,905	137.5
Romania	77,162	62,391	86,112	77,162	86,112	-10.4
Slovakia	11,042	-	55,139	11,042	55,139	-80.0
Slovenia	59,778	-	38,581	59,778	38,581	54.9
Spain	252,751	388,947	429,051	252,751	429,051	-41.1
Sweden	147,029	52,052	84,989	147,029	84,989	73.0
Turkey	249,291	400,827	560,718	249,291	560,718	-55.5
Ukraine	868,700	1,247,359	1,017,469	868,700	1,017,469	-14.6
United Kingdom	522,397	1,585,282	684,787	522,397	684,787	-23.7
Other**	501	165	331	501	331	51.4
Asia Total	9,167,411	8,530,318	11,279,284	9,167,411	11,279,284	-18.7
China	435,735	143,682	1,018,652	435,735	1,018,652	-57.2
India	4,388,111	3,471,318	5,153,963	4,388,111	5,153,963	-14.9
Japan	2,692,944	2,986,596	2,460,040	2,692,944	2,460,040	9.5
Pakistan	-	23	15	-	15	-
South Korea (Republic of Korea)	1,647,005	1,808,916	2,503,499	1,647,005	2,503,499	-34.2
Thailand	155	116,945	140,108	155	140,108	-99.9
Other**	3,461	2,838	3,007	3,461	3,007	15.1
Australia and Oceania Total	1,083	52	121	1,083	121	NM
Other**	1,083	52	121	1,083	121	NM
Africa Total	2,568,536	1,905,574	2,128,122	2,568,536	2,128,122	20.7
Egypt	1,137,596	675,829	727,988	1,137,596	727,988	56.3
Ghana	-	-	27,558	-	27,558	-

Continent and country of destination	January - March 2019	October - December 2018	January - March 2018	Year to date		Percent change
				2019	2018	
Morocco	1,332,910	1,152,562	1,338,892	1,332,910	1,338,892	-0.4
Senegal	-	-	33,069	-	33,069	-
South Africa	-	77,183	335	-	335	-
Togo	98,030	-	-	98,030	-	-
Other**	-	-	280	-	280	-
Total	25,210,002	28,468,968	27,220,776	25,210,002	27,220,776	-7.4

* 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 2018.

- = 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	January - March 2019	October - December 2018	January - March 2018	Year to date		Percent change
				2019	2018	
North America Total	67.50	82.70	59.36	67.50	59.36	13.7
Canada*	81.81	99.00	99.77	81.81	99.77	-18.0
Dominica	-	-	45.32	-	45.32	-
Dominican Republic	88.15	57.45	-	88.15	-	-
Guatemala	70.21	72.68	65.54	70.21	65.54	7.1
Honduras	63.90	77.74	50.80	63.90	50.80	25.8
Jamaica	88.95	54.43	-	88.95	-	-
Mexico	45.93	52.47	43.15	45.93	43.15	6.4
Panama	-	79.93	54.43	-	54.43	-
Trinidad and Tobago	157.87	166.66	27.46	157.87	27.46	474.9
Other**	157.91	-	1,779.55	157.91	1,779.55	-91.1
South America Total	134.74	145.17	139.95	134.74	139.95	-3.7
Argentina	173.84	180.02	185.63	173.84	185.63	-6.4
Brazil	145.13	145.67	143.21	145.13	143.21	1.3
Chile	61.36	66.48	68.79	61.36	68.79	-10.8
Other**	428.37	377.77	547.14	428.37	547.14	-21.7
Europe Total	125.45	118.41	122.58	125.45	122.58	2.3
Austria	183.45	188.58	189.61	183.45	189.61	-3.2
Belgium	183.58	152.04	160.49	183.58	160.49	14.4
Bosnia and Herzegovina	-	144.07	-	-	-	-
Croatia	172.13	183.44	140.07	172.13	140.07	22.9
Denmark (Except Greenland)	-	91.63	-	-	-	-
Finland	-	168.18	-	-	-	-
France	154.02	148.69	122.24	154.02	122.24	26.0
Germany, Federal Republic of	86.26	72.29	148.54	86.26	148.54	-41.9
Greece	62.85	-	-	62.85	-	-
Italy	112.84	99.48	131.34	112.84	131.34	-14.1
Netherlands	100.11	99.30	80.79	100.11	80.79	23.9
Norway	152.92	139.36	153.89	152.92	153.89	-0.6
Poland	126.80	142.16	142.07	126.80	142.07	-10.7
Portugal	90.14	108.86	58.97	90.14	58.97	52.9
Romania	160.70	115.31	105.28	160.70	105.28	52.6
Slovakia	133.91	-	144.66	133.91	144.66	-7.4
Slovenia	70.76	-	63.50	70.76	63.50	11.4
Spain	134.82	102.22	122.55	134.82	122.55	10.0
Sweden	156.55	167.68	182.02	156.55	182.02	-14.0
Turkey	124.48	138.32	119.96	124.48	119.96	3.8
Ukraine	180.16	178.16	159.63	180.16	159.63	12.9
United Kingdom	107.93	85.09	114.81	107.93	114.81	-6.0
Other**	76.24	95.55	95.26	76.24	95.26	-20.0
Asia Total	108.72	102.77	100.22	108.72	100.22	8.5
China	109.27	109.59	127.62	109.27	127.62	-14.4
India	102.50	95.95	98.86	102.50	98.86	3.7
Japan	132.47	129.41	130.41	132.47	130.41	1.6
Pakistan	-	123.04	214.40	-	214.40	-
South Korea (Republic of Korea)	86.25	73.42	64.34	86.25	64.34	34.1
Thailand	221.86	68.30	60.39	221.86	60.39	267.4
Other**	134.08	197.45	199.98	134.08	199.98	-33.0
Australia and Oceania Total	142.71	640.85	264.71	142.71	264.71	-46.1
Other**	142.71	640.85	264.71	142.71	264.71	-46.1
Africa Total	66.41	72.11	63.23	66.41	63.23	5.0
Egypt	69.93	76.99	64.35	69.93	64.35	8.7
Ghana	-	-	51.71	-	51.71	-

Continent and country of destination	January - March 2019	October - December 2018	January - March 2018	Year to date		Percent change
				2019	2018	
Morocco	63.18	66.72	62.99	63.18	62.99	0.3
Senegal	-	-	51.71	-	51.71	-
South Africa	-	109.77	552.79	-	552.79	-
Togo	69.46	-	-	69.46	-	-
Other**	-	-	198.04	-	198.04	-
Total	110.36	108.58	105.78	110.36	105.78	4.3

* 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 2018.

- = 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	January - March 2019	October - December 2018	January - March 2018	Year to date		Percent change
				2019	2018	
North America Total	1,408,432	1,920,827	1,408,394	1,408,432	1,408,394	s
Canada*	179,792	386,018	248,044	179,792	248,044	-27.5
Dominica	-	-	50,486	-	50,486	-
Dominican Republic	163,304	98,882	-	163,304	-	-
Guatemala	129,448	81,488	83,716	129,448	83,716	54.6
Honduras	43,913	93,211	38,360	43,913	38,360	14.5
Jamaica	33,202	36,376	-	33,202	-	-
Mexico	858,676	1,103,552	945,231	858,676	945,231	-9.2
Panama	-	432	42,440	-	42,440	-
Trinidad and Tobago	2	120,868	95	2	95	-97.9
Other**	95	-	22	95	22	331.8
South America Total	498,938	157,831	295,177	498,938	295,177	69.0
Argentina	-	-	12	-	12	-
Brazil	164,443	32,071	12,229	164,443	12,229	NM
Chile	333,089	124,466	281,529	333,089	281,529	18.3
Other**	1,406	1,294	1,407	1,406	1,407	-0.1
Europe Total	2,995,867	5,335,236	2,884,390	2,995,867	2,884,390	3.9
Austria	20	-	-	20	-	-
Belgium	-	38,175	-	-	-	-
Croatia	-	-	12,081	-	12,081	-
Denmark (Except Greenland)	-	64,080	-	-	-	-
France	-	92,558	187,634	-	187,634	-
Germany, Federal Republic of	379,032	637,020	229,909	379,032	229,909	64.9
Greece	83,940	-	-	83,940	-	-
Italy	287,847	445,087	235,716	287,847	235,716	22.1
Netherlands	1,392,407	2,211,790	1,169,573	1,392,407	1,169,573	19.1
Norway	1	-	-	1	-	-
Poland	80,750	143,349	84,191	80,750	84,191	-4.1
Portugal	260,407	82,673	147,905	260,407	147,905	76.1
Romania	-	-	41,201	-	41,201	-
Slovakia	19	-	23	19	23	-17.4
Slovenia	59,778	-	-	59,778	-	-
Spain	112,059	255,535	194,870	112,059	194,870	-42.5
Turkey	84,444	38,092	138,326	84,444	138,326	-39.0
Ukraine	-	116,091	110,735	-	110,735	-
United Kingdom	254,662	1,210,621	331,895	254,662	331,895	-23.3
Other**	501	165	331	501	331	51.4
Asia Total	4,788,121	4,829,084	5,976,666	4,788,121	5,976,666	-19.9
China	1,425	382	180,003	1,425	180,003	-99.2
India	3,003,943	2,556,630	2,997,699	3,003,943	2,997,699	0.2
Japan	1,017,926	1,128,181	736,177	1,017,926	736,177	38.3
Pakistan	-	23	15	-	15	-
South Korea (Republic of Korea)	761,311	1,024,195	1,919,657	761,311	1,919,657	-60.3
Thailand	55	116,835	140,108	55	140,108	-100.0
Other**	3,461	2,838	3,007	3,461	3,007	15.1
Australia and Oceania Total	1,083	52	121	1,083	121	NM
Other**	1,083	52	121	1,083	121	NM
Africa Total	1,653,999	1,053,351	1,781,282	1,653,999	1,781,282	-7.1
Egypt	996,656	423,580	727,988	996,656	727,988	36.9
Ghana	-	-	27,558	-	27,558	-
Morocco	559,313	629,750	992,052	559,313	992,052	-43.6
Senegal	-	-	33,069	-	33,069	-
South Africa	-	21	335	-	335	-

Continent and country of destination	January - March 2019	October - December 2018	January - March 2018	Year to date		Percent change
				2019	2018	
Togo	98,030	-	-	98,030	-	-
Other**	-	-	280	-	280	-
Total	11,346,440	13,296,381	12,346,030	11,346,440	12,346,030	-8.1

* 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 2018.

- = No data reported.

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

s = Absolute percentage less than 0.05.

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	January - March 2019	October - December 2018	January - March 2018	Year to date		Percent change
				2019	2018	
North America Total	52.37	60.51	47.78	52.37	47.78	9.6
Canada*	72.42	79.86	89.02	72.42	89.02	-18.6
Dominica	-	-	45.32	-	45.32	-
Dominican Republic	79.49	57.45	-	79.49	-	-
Guatemala	70.21	72.68	65.54	70.21	65.54	7.1
Honduras	63.90	77.74	50.80	63.90	50.80	25.8
Jamaica	88.95	54.43	-	88.95	-	-
Mexico	38.31	40.22	35.06	38.31	35.06	9.3
Panama	-	79.93	54.43	-	54.43	-
Trinidad and Tobago	1,400.00	166.66	27.46	1,400.00	27.46	NM
Other**	157.91	-	1,779.55	157.91	1,779.55	-91.1
South America Total	76.02	74.24	73.35	76.02	73.35	3.6
Argentina	-	-	273.00	-	273.00	-
Brazil	102.70	92.11	123.72	102.70	123.72	-17.0
Chile	61.36	66.48	68.79	61.36	68.79	-10.8
Other**	428.37	377.77	547.14	428.37	547.14	-21.7
Europe Total	68.31	72.13	66.16	68.31	66.16	3.2
Austria	518.60	-	-	518.60	-	-
Belgium	-	111.75	-	-	-	-
Croatia	-	-	63.51	-	63.51	-
Denmark (Except Greenland)	-	91.63	-	-	-	-
France	-	58.97	59.11	-	59.11	-
Germany, Federal Republic of	76.03	66.78	54.57	76.03	54.57	39.3
Greece	62.85	-	-	62.85	-	-
Italy	63.61	65.33	68.27	63.61	68.27	-6.8
Netherlands	62.96	71.67	65.26	62.96	65.26	-3.5
Norway	2,700.00	-	-	2,700.00	-	-
Poland	59.01	74.25	68.58	59.01	68.58	-14.0
Portugal	97.86	108.86	58.97	97.86	58.97	65.9
Romania	-	-	63.50	-	63.50	-
Slovakia	2,489.42	-	2,044.35	2,489.42	2,044.35	21.8
Slovenia	70.76	-	-	70.76	-	-
Spain	93.00	57.86	84.81	93.00	84.81	9.7
Turkey	63.78	56.33	73.07	63.78	73.07	-12.7
Ukraine	-	185.42	63.50	-	63.50	-
United Kingdom	55.79	66.91	69.79	55.79	69.79	-20.1
Other**	76.24	95.55	95.26	76.24	95.26	-20.0
Asia Total	74.03	71.98	56.49	74.03	56.49	31.0
China	233.65	381.54	33.99	233.65	33.99	NM
India	80.69	80.48	62.21	80.69	62.21	29.7
Japan	85.53	85.00	75.76	85.53	75.76	12.9
Pakistan	-	123.04	214.40	-	214.40	-
South Korea (Republic of Korea)	31.75	36.38	41.77	31.75	41.77	-24.0
Thailand	347.89	68.21	60.39	347.89	60.39	476.1
Other**	134.08	197.45	199.98	134.08	199.98	-33.0
Australia and Oceania Total	142.71	640.85	264.71	142.71	264.71	-46.1
Other**	142.71	640.85	264.71	142.71	264.71	-46.1
Africa Total	63.73	67.95	62.96	63.73	62.96	1.2
Egypt	63.40	65.64	64.35	63.40	64.35	-1.5
Ghana	-	-	51.71	-	51.71	-
Morocco	63.32	69.38	62.43	63.32	62.43	1.4
Senegal	-	-	51.71	-	51.71	-
South Africa	-	3,460.71	552.79	-	552.79	-

Continent and country of destination	January - March 2019	October - December 2018	January - March 2018	Year to date		Percent change
				2019	2018	
Togo	69.46	-	-	69.46	-	-
Other**	-	-	198.04	-	198.04	-
Total	68.42	70.09	59.10	68.42	59.10	15.8

* 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 2018.

- = 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	January - March 2019	October - December 2018	January - March 2018	Year to date		Percent change
				2019	2018	
North America Total	278,482	1,646,212	612,215	278,482	612,215	-54.5
Canada*	33,612	1,536,276	281,167	33,612	281,167	-88.0
Dominican Republic	68,343	-	-	68,343	-	-
Mexico	55,273	109,936	331,048	55,273	331,048	-83.3
Trinidad and Tobago	121,254	-	-	121,254	-	-
South America Total	1,915,776	2,425,171	2,509,360	1,915,776	2,509,360	-23.7
Argentina	84,037	240,262	265,376	84,037	265,376	-68.3
Brazil	1,831,739	2,184,909	2,243,984	1,831,739	2,243,984	-18.4
Europe Total	6,375,477	6,547,747	6,103,713	6,375,477	6,103,713	4.5
Austria	677,248	562,480	96,589	677,248	96,589	NM
Belgium	131,469	222,055	301,261	131,469	301,261	-56.4
Bosnia and Herzegovina	-	69,939	-	-	-	-
Croatia	574,776	417,887	740,516	574,776	740,516	-22.4
Finland	-	148,716	-	-	-	-
France	378,938	334,267	332,691	378,938	332,691	13.9
Germany, Federal Republic of	154,878	221,893	573,112	154,878	573,112	-73.0
Italy	563,142	545,147	487,321	563,142	487,321	15.6
Netherlands	1,788,411	1,605,613	1,026,523	1,788,411	1,026,523	74.2
Norway	7,141	16,915	16,413	7,141	16,413	-56.5
Poland	331,345	286,316	389,491	331,345	389,491	-14.9
Portugal	90,941	-	-	90,941	-	-
Romania	77,162	62,391	44,911	77,162	44,911	71.8
Slovakia	11,023	-	55,116	11,023	55,116	-80.0
Slovenia	-	-	38,581	-	38,581	-
Spain	140,692	133,412	234,181	140,692	234,181	-39.9
Sweden	147,029	52,052	84,989	147,029	84,989	73.0
Turkey	164,847	362,735	422,392	164,847	422,392	-61.0
Ukraine	868,700	1,131,268	906,734	868,700	906,734	-4.2
United Kingdom	267,735	374,661	352,892	267,735	352,892	-24.1
Asia Total	4,379,290	3,701,234	5,302,618	4,379,290	5,302,618	-17.4
China	434,310	143,300	838,649	434,310	838,649	-48.2
India	1,384,168	914,688	2,156,264	1,384,168	2,156,264	-35.8
Japan	1,675,018	1,858,415	1,723,863	1,675,018	1,723,863	-2.8
South Korea (Republic of Korea)	885,694	784,721	583,842	885,694	583,842	51.7
Thailand	100	110	-	100	-	-
Africa Total	914,537	852,223	346,840	914,537	346,840	163.7
Egypt	140,940	252,249	-	140,940	-	-
Morocco	773,597	522,812	346,840	773,597	346,840	123.0
South Africa	-	77,162	-	-	-	-
Total	13,863,562	15,172,587	14,874,746	13,863,562	14,874,746	-6.8

* 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 2018.

- = 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	January - March 2019	October - December 2018	January - March 2018	Year to date		Percent change
				2019	2018	
North America Total	143.99	108.59	86.01	143.99	86.01	67.4
Canada*	132.02	103.81	109.26	132.02	109.26	20.8
Dominican Republic	108.86	-	-	108.86	-	-
Mexico	164.28	175.38	66.25	164.28	66.25	148.0
Trinidad and Tobago	157.85	-	-	157.85	-	-
South America Total	150.03	149.78	147.79	150.03	147.79	1.5
Argentina	173.84	180.02	185.63	173.84	185.63	-6.4
Brazil	148.94	146.46	143.31	148.94	143.31	3.9
Europe Total	152.30	156.12	149.24	152.30	149.24	2.1
Austria	183.44	188.58	189.61	183.44	189.61	-3.3
Belgium	183.58	158.96	160.49	183.58	160.49	14.4
Bosnia and Herzegovina	-	144.07	-	-	-	-
Croatia	172.13	183.44	141.32	172.13	141.32	21.8
Finland	-	168.18	-	-	-	-
France	154.02	173.54	157.84	154.02	157.84	-2.4
Germany, Federal Republic of	111.30	88.10	186.23	111.30	186.23	-40.2
Italy	138.00	127.36	161.85	138.00	161.85	-14.7
Netherlands	129.03	137.37	98.49	129.03	98.49	31.0
Norway	152.56	139.36	153.89	152.56	153.89	-0.9
Poland	143.32	176.16	157.96	143.32	157.96	-9.3
Portugal	68.04	-	-	68.04	-	-
Romania	160.70	115.31	143.60	160.70	143.60	11.9
Slovakia	129.85	-	143.87	129.85	143.87	-9.7
Slovenia	-	-	63.50	-	63.50	-
Spain	168.12	187.19	153.96	168.12	153.96	9.2
Sweden	156.55	167.68	182.02	156.55	182.02	-14.0
Turkey	155.58	146.93	135.32	155.58	135.32	15.0
Ukraine	180.16	177.41	171.37	180.16	171.37	5.1
United Kingdom	157.52	143.82	157.15	157.52	157.15	0.2
Asia Total	146.65	142.94	149.52	146.65	149.52	-1.9
China	108.86	108.86	147.72	108.86	147.72	-26.3
India	149.83	139.17	149.81	149.83	149.81	s
Japan	160.99	156.37	153.75	160.99	153.75	4.7
South Korea (Republic of Korea)	133.09	121.76	138.53	133.09	138.53	-3.9
Thailand	152.54	166.35	-	152.54	-	-
Africa Total	71.26	77.25	64.60	71.26	64.60	10.3
Egypt	116.17	96.05	-	116.17	-	-
Morocco	63.08	63.51	64.60	63.08	64.60	-2.4
South Africa	-	108.86	-	-	-	-
Total	144.69	142.31	144.52	144.69	144.52	0.1

* 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 2018.

- = No data reported.

s = Absolute percentage less than 0.05.

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	January - March 2019	October - December 2018	January - March 2018	Year to date		Percent change
				2019	2018	
Eastern Total	15,412,547	15,726,786	15,301,794	15,412,547	15,301,794	0.7
Baltimore, MD	6,451,676	4,699,727	5,543,880	6,451,676	5,543,880	16.4
Buffalo, NY	2,255	945,330	60,917	2,255	60,917	-96.3
New York City, NY	1,818	1,046	84,979	1,818	84,979	-97.9
Norfolk, VA	8,936,176	9,968,505	9,593,416	8,936,176	9,593,416	-6.9
Ogdensburg, NY	11,529	64,381	9,004	11,529	9,004	28.0
Philadelphia, PA	8,958	47,496	9,160	8,958	9,160	-2.2
Portland, ME	30	120	303	30	303	-90.1
St. Albans, VT	105	181	135	105	135	-22.2
Southern Total	7,695,614	9,434,922	8,547,469	7,695,614	8,547,469	-10.0
Charleston, SC	-	19	75	-	75	-
Dallas/Fort Worth, TX	-	-	83	-	83	-
El Paso, TX	60,899	42,479	46,784	60,899	46,784	30.2
Houston-Galveston, TX	337,589	121,617	367,109	337,589	367,109	-8.0
Laredo, TX	522,386	587,544	567,420	522,386	567,420	-7.9
Miami, FL	920	831	1,681	920	1,681	-45.3
Mobile, AL	2,905,721	3,191,884	3,087,575	2,905,721	3,087,575	-5.9
New Orleans, LA	3,867,073	5,490,292	4,415,824	3,867,073	4,415,824	-12.4
Port Arthur, TX	-	-	60,627	-	60,627	-
Savannah, GA	992	225	291	992	291	240.9
Tampa, FL	34	31	-	34	-	-
Western Total	2,055,480	2,536,246	3,052,474	2,055,480	3,052,474	-32.7
Great Falls, MT	177	171	1,719	177	1,719	-89.7
Honolulu, HI	-	-	1	-	1	-
Los Angeles, CA	347,868	317,025	306,543	347,868	306,543	13.5
Nogales, AZ	276,078	383,812	257,067	276,078	257,067	7.4
Portland, OR	-	-	3	-	3	-
San Diego, CA	22	74	160	22	160	-86.3
San Francisco, CA	669,282	726,816	734,153	669,282	734,153	-8.8
Seattle, WA	762,053	1,108,348	1,752,828	762,053	1,752,828	-56.5
Northern Total	38,705	762,649	315,556	38,705	315,556	-87.7
Chicago, IL	22	-	-	22	-	-
Cleveland, OH	30,229	642,028	221,295	30,229	221,295	-86.3
Detroit, MI	6,313	114,902	22,510	6,313	22,510	-72.0
Duluth, MN	-	140	1,172	-	1,172	-
Minneapolis, MN	-	-	67,682	-	67,682	-
Pembina, ND	2,141	5,579	2,897	2,141	2,897	-26.1
Other Ports	7,656	8,365	3,483	7,656	3,483	119.8
Total	25,210,002	28,468,968	27,220,776	25,210,002	27,220,776	-7.4

- = 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 14. Steam coal exports by customs district

(short tons)

Customs district	January - March 2019	October - December 2018	January - March 2018	Year to date		Percent change
				2019	2018	
Eastern Total	4,492,415	4,286,620	4,105,088	4,492,415	4,105,088	9.4
Baltimore, MD	3,414,113	2,620,330	2,567,703	3,414,113	2,567,703	33.0
Buffalo, NY	2,060	35,438	2,534	2,060	2,534	-18.7
New York City, NY	1,818	1,046	84,979	1,818	84,979	-97.9
Norfolk, VA	1,056,786	1,519,702	1,432,430	1,056,786	1,432,430	-26.2
Ogdensburg, NY	8,650	62,307	7,865	8,650	7,865	10.0
Philadelphia, PA	8,958	47,496	9,160	8,958	9,160	-2.2
Portland, ME	30	120	303	30	303	-90.1
St. Albans, VT	-	181	114	-	114	-
Southern Total	4,782,617	6,327,000	5,091,053	4,782,617	5,091,053	-6.1
Charleston, SC	-	19	75	-	75	-
El Paso, TX	60,899	42,479	46,784	60,899	46,784	30.2
Houston-Galveston, TX	337,589	121,617	367,109	337,589	367,109	-8.0
Laredo, TX	521,677	586,785	557,106	521,677	557,106	-6.4
Miami, FL	920	831	1,681	920	1,681	-45.3
Mobile, AL	116,417	244,740	78,836	116,417	78,836	47.7
New Orleans, LA	3,744,189	5,330,283	3,978,694	3,744,189	3,978,694	-5.9
Port Arthur, TX	-	-	60,627	-	60,627	-
Savannah, GA	892	215	141	892	141	NM
Tampa, FL	34	31	-	34	-	-
Western Total	2,055,480	2,536,057	3,052,474	2,055,480	3,052,474	-32.7
Great Falls, MT	177	171	1,719	177	1,719	-89.7
Honolulu, HI	-	-	1	-	1	-
Los Angeles, CA	347,868	316,836	306,543	347,868	306,543	13.5
Nogales, AZ	276,078	383,812	257,067	276,078	257,067	7.4
Portland, OR	-	-	3	-	3	-
San Diego, CA	22	74	160	22	160	-86.3
San Francisco, CA	669,282	726,816	734,153	669,282	734,153	-8.8
Seattle, WA	762,053	1,108,348	1,752,828	762,053	1,752,828	-56.5
Northern Total	8,272	138,339	93,932	8,272	93,932	-91.2
Chicago, IL	22	-	-	22	-	-
Cleveland, OH	11	101,629	20	11	20	-45.0
Detroit, MI	6,098	30,991	22,400	6,098	22,400	-72.8
Duluth, MN	-	140	1,172	-	1,172	-
Minneapolis, MN	-	-	67,682	-	67,682	-
Pembina, ND	2,141	5,579	2,658	2,141	2,658	-19.5
Other Ports	7,656	8,365	3,483	7,656	3,483	119.8
Total	11,346,440	13,296,381	12,346,030	11,346,440	12,346,030	-8.1

- = 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	January - March 2019	October - December 2018	January - March 2018	Year to date		Percent change
				2019	2018	
Eastern Total	10,920,132	11,440,166	11,196,706	10,920,132	11,196,706	-2.5
Baltimore, MD	3,037,563	2,079,397	2,976,177	3,037,563	2,976,177	2.1
Buffalo, NY	195	909,892	58,383	195	58,383	-99.7
Norfolk, VA	7,879,390	8,448,803	8,160,986	7,879,390	8,160,986	-3.5
Ogdensburg, NY	2,879	2,074	1,139	2,879	1,139	152.8
St. Albans, VT	105	-	21	105	21	400.0
Southern Total	2,912,997	3,107,922	3,456,416	2,912,997	3,456,416	-15.7
Dallas/Fort Worth, TX	-	-	83	-	83	-
Laredo, TX	709	759	10,314	709	10,314	-93.1
Mobile, AL	2,789,304	2,947,144	3,008,739	2,789,304	3,008,739	-7.3
New Orleans, LA	122,884	160,009	437,130	122,884	437,130	-71.9
Savannah, GA	100	10	150	100	150	-33.3
Western Total	-	189	-	-	-	-
Los Angeles, CA	-	189	-	-	-	-
Northern Total	30,433	624,310	221,624	30,433	221,624	-86.3
Cleveland, OH	30,218	540,399	221,275	30,218	221,275	-86.3
Detroit, MI	215	83,911	110	215	110	95.5
Pembina, ND	-	-	239	-	239	-
Total	13,863,562	15,172,587	14,874,746	13,863,562	14,874,746	-6.8

- = 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	January - March 2019	October - December 2018	January - March 2018	Year to date		Percent change
				2019	2018	
North America Total	164,560	346,104	253,455	164,560	253,455	-35.1
Canada*	134,055	299,335	173,805	134,055	173,805	-22.9
Mexico	30,269	46,702	79,516	30,269	79,516	-61.9
Other**	236	67	134	236	134	76.1
South America Total	20	-	21	20	21	-4.8
Other**	20	-	21	20	21	-4.8
Europe Total	246	7,597	30,035	246	30,035	-99.2
Other**	246	7,597	30,035	246	30,035	-99.2
Asia Total	225	233	352	225	352	-36.1
Other**	225	233	352	225	352	-36.1
Australia and Oceania Total	45	209	74	45	74	-39.2
Other**	45	209	74	45	74	-39.2
Africa Total	25,165	-	20,478	25,165	20,478	22.9
Other**	25,165	-	20,478	25,165	20,478	22.9
Total	190,261	354,143	304,415	190,261	304,415	-37.5

* 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 2018.

- = 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 17. Average Price of U.S. coke exports

(dollars per short ton)

Continent and country of destination	January - March 2019	October - December 2018	January - March 2018	Year to date		Percent change
				2019	2018	
North America Total	305.61	237.98	252.88	305.61	252.88	20.9
Canada*	298.00	230.75	242.16	298.00	242.16	23.1
Mexico	337.04	283.48	275.78	337.04	275.78	22.2
Other**	597.28	792.72	567.07	597.28	567.07	5.3
South America Total	522.00	-	501.14	522.00	501.14	4.2
Other**	522.00	-	501.14	522.00	501.14	4.2
Europe Total	412.60	155.61	240.99	412.60	240.99	71.2
Other**	412.60	155.61	240.99	412.60	240.99	71.2
Asia Total	1,021.99	539.08	670.91	1,021.99	670.91	52.3
Other**	1,021.99	539.08	670.91	1,021.99	670.91	52.3
Australia and Oceania Total	489.02	455.49	324.27	489.02	324.27	50.8
Other**	489.02	455.49	324.27	489.02	324.27	50.8
Africa Total	90.72	-	90.72	90.72	90.72	s
Other**	90.72	-	90.72	90.72	90.72	s
Total	278.24	236.54	241.32	278.24	241.32	15.3

* 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 2018.

- = No data reported.

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 EM 545.'

Table 18. U.S. coal imports

(short tons)

Continent and country of origin	January - March 2019	October - December 2018	January - March 2018	Year to date		Percent change
				2019	2018	
North America Total	146,996	198,220	105,249	146,996	105,249	39.7
Canada	146,411	198,038	105,103	146,411	105,103	39.3
Mexico	585	182	146	585	146	300.7
South America Total	1,305,247	1,130,165	1,032,860	1,305,247	1,032,860	26.4
Colombia	1,305,247	1,130,042	1,032,860	1,305,247	1,032,860	26.4
Peru	-	123	-	-	-	-
Europe Total	33,415	48,877	27,424	33,415	27,424	21.8
Germany, Federal Republic of	375	375	17	375	17	NM
Russia	32,988	48,502	30	32,988	30	NM
Ukraine	-	-	27,377	-	27,377	-
United Kingdom	52	-	-	52	-	-
Asia Total	203,141	213,788	201,429	203,141	201,429	0.8
China	5,037	6,372	4,962	5,037	4,962	1.5
Hong Kong	-	9,989	-	-	-	-
Indonesia	198,104	197,427	196,457	198,104	196,457	0.8
Japan	-	-	10	-	10	-
Africa Total	-	11,028	-	-	-	-
South Africa	-	11,028	-	-	-	-
Total	1,688,799	1,602,078	1,366,962	1,688,799	1,366,962	23.5

- = 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 19. Average price of U.S. coal imports

(dollars per short ton)

Continent and country of origin	January - March 2019	October - December 2018	January - March 2018	Year to date		Percent change
				2019	2018	
North America Total	190.36	179.98	181.62	190.36	181.62	4.8
Canada	190.57	180.03	181.51	190.57	181.51	5.0
Mexico	135.75	119.73	258.17	135.75	258.17	-47.4
South America Total	65.86	65.26	58.37	65.86	58.37	12.8
Colombia	65.86	65.24	58.37	65.86	58.37	12.8
Peru	-	271.59	-	-	-	-
Europe Total	173.37	106.35	107.52	173.37	107.52	61.2
Germany, Federal Republic of	74.69	74.87	132.35	74.69	132.35	-43.6
Russia	174.23	106.59	190.67	174.23	190.67	-8.6
Ukraine	-	-	107.41	-	107.41	-
United Kingdom	342.21	-	-	342.21	-	-
Asia Total	62.58	80.30	76.24	62.58	76.24	-17.9
China	77.31	146.86	162.88	77.31	162.88	-52.5
Hong Kong	-	74.93	-	-	-	-
Indonesia	62.20	78.42	74.05	62.20	74.05	-16.0
Japan	-	-	221.00	-	221.00	-
Africa Total	-	117.93	-	-	-	-
South Africa	-	117.93	-	-	-	-
U.S. Total*	78.43	83.07	71.48	78.43	71.48	9.7

* 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	January - March 2019	October - December 2018	January - March 2018	Year to date		Percent change
				2019	2018	
Eastern Total	36,578	84,281	77,831	36,578	77,831	-53.0
Baltimore, MD	-	460	-	-	-	-
Buffalo, NY	158	-	134	158	134	17.9
New York City, NY	44	323	17	44	17	158.8
Portland, ME	36,376	83,498	77,680	36,376	77,680	-53.2
Southern Total	1,306,830	1,121,957	987,364	1,306,830	987,364	32.4
Houston-Galveston, TX	-	123	1,312	-	1,312	-
Laredo, TX	-	182	50	-	50	-
Miami, FL	33,760	33,135	33,769	33,760	33,769	s
Mobile, AL	702,655	467,318	713,433	702,655	713,433	-1.5
New Orleans, LA	37,959	26,540	3,423	37,959	3,423	NM
San Juan, PR	423,570	475,594	141,463	423,570	141,463	199.4
Tampa, FL	108,886	119,065	93,914	108,886	93,914	15.9
Western Total	255,587	256,858	233,668	255,587	233,668	9.4
Great Falls, MT	53,333	57,885	36,380	53,333	36,380	46.6
Honolulu, HI	198,104	197,427	196,457	198,104	196,457	0.8
Nogales, AZ	585	-	96	585	96	NM
San Francisco, CA	31	-	30	31	30	3.3
Seattle, WA	3,534	1,546	705	3,534	705	401.3
Northern Total	89,804	138,982	68,099	89,804	68,099	31.9
Chicago, IL	22	-	215	22	215	-89.8
Cleveland, OH	375	375	-	375	-	-
Detroit, MI	35,200	64,161	1,447	35,200	1,447	NM
Duluth, MN	201	258	629	201	629	-68.0
Pembina, ND	54,006	74,188	65,808	54,006	65,808	-17.9
Total	1,688,799	1,602,078	1,366,962	1,688,799	1,366,962	23.5

- = No data reported.

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

s = Absolute percentage less than 0.05.

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	January - March 2019	October - December 2018	January - March 2018	Year to date		Percent change
				2019	2018	
North America Total	2,376	14,586	217	2,376	217	NM
Canada	2,376	14,586	217	2,376	217	NM
Europe Total	505	17,668	15	505	15	NM
Czech Republic	-	17,649	-	-	-	-
Germany, Federal Republic of	-	11	-	-	-	-
Italy	501	-	-	501	-	-
United Kingdom	4	8	15	4	15	-73.3
Asia Total	680	412	702	680	702	-3.1
China	72	107	48	72	48	50.0
Indonesia	-	-	28	-	28	-
Japan	608	305	626	608	626	-2.9
Africa Total	2,551	2,322	3,308	2,551	3,308	-22.9
South Africa	2,551	2,322	3,308	2,551	3,308	-22.9
U.S. Total	6,112	34,988	4,242	6,112	4,242	44.1

- = 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 IM 145.'

Table 22. Average price of U.S. coke imports

(dollars per short ton)

Continent and country of origin	January - March 2019	October - December 2018	January - March 2018	Year to date		Percent change
				2019	2018	
North America Total	222.37	233.65	148.18	222.37	148.18	50.1
Canada	222.37	233.65	148.18	222.37	148.18	50.1
Europe Total	377.02	332.93	806.67	377.02	806.67	-53.3
Czech Republic	-	332.39	-	-	-	-
Germany, Federal Republic of	-	890.64	-	-	-	-
Italy	372.05	-	-	372.05	-	-
United Kingdom	1,000.00	750.00	806.67	1,000.00	806.67	24.0
Asia Total	373.53	425.14	378.05	373.53	378.05	-1.2
China	848.86	731.40	707.71	848.86	707.71	19.9
Indonesia	-	-	1,159.46	-	1,159.46	-
Japan	317.24	317.70	317.82	317.24	317.82	-0.2
Africa Total	568.68	621.75	387.68	568.68	387.68	46.7
South Africa	568.68	621.75	387.68	568.68	387.68	46.7
U.S. Total	396.51	311.79	375.32	396.51	375.32	5.6

- = 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 IM 145.'

Receipts and prices

Table 23. Coal receipts at coke plants by census division

(thousand short tons)

Census division	January - March 2019	October - December 2018	January - March 2018	Year to date		Percent change
				2019	2018	
Middle Atlantic	1,537	1,487	1,274	1,537	1,274	20.7
East North Central	2,383	2,505	2,032	2,383	2,032	17.3
South Atlantic	504	424	418	504	418	20.5
East South Central	291	309	327	291	327	-11.0
U.S. Total	4,715	4,726	4,052	4,715	4,052	16.4

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 24. Average price of coal receipts at coke plants by census division

(dollars per short ton)

Census division	January - March 2019	October - December 2018	January - March 2018	Year to date		Percent change
				2019	2018	
Middle Atlantic	w	w	w	w	w	w
East North Central	152.97	140.71	138.35	152.97	138.35	10.6
South Atlantic	w	w	w	w	w	w
East South Central	w	w	w	w	w	w
U.S. Total	142.19	131.36	128.57	142.19	128.57	10.6

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	January - March 2019	October - December 2018	January - March 2018	Year to date		Percent change
				2019	2018	
Coke						
Sales	1,599	1,700	1,648	1,599	1,648	-3.0
Average Price	337.48	293.72	300.16	337.48	300.16	12.4
Breeze						
Sales	103	149	102	103	102	0.2
Average Price	93.55	100.79	81.75	93.55	81.75	14.4

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 26. Coal receipts at other industrial plants by census division and state

(thousand short tons)

Census division and state	January - March 2019	October - December 2018	January - March 2018	Year to date		Percent change
				2019	2018	
New England	7	6	9	7	9	-25.3
Maine	6	5	9	6	9	-30.5
Massachusetts	1	1	1	1	1	61.5
Middle Atlantic	187	217	238	187	238	-21.2
New York	46	63	89	46	89	-47.9
Pennsylvania	141	154	149	141	149	-5.2
East North Central	1,395	1,761	1,440	1,395	1,440	-3.1
Illinois	682	643	597	682	597	14.3
Indiana	328	550	386	328	386	-15.1
Michigan	65	160	113	65	113	-42.5
Ohio	121	121	139	121	139	-12.8
Wisconsin	199	288	205	199	205	-2.9
West North Central	2,879	3,284	3,062	2,879	3,062	-6.0
Iowa	590	546	603	590	603	-2.2
Kansas	32	29	27	32	27	22.3
Minnesota	308	348	200	308	200	53.9
Missouri	198	223	201	198	201	-1.5
Nebraska	242	318	322	242	322	-24.7
North Dakota	1,454	1,774	1,665	1,454	1,665	-12.6
South Dakota	54	45	44	54	44	23.2
South Atlantic	766	764	734	766	734	4.4
Florida	145	155	129	145	129	12.4
Georgia	117	79	107	117	107	9.9
Maryland	119	165	112	119	112	5.8
North Carolina	107	97	116	107	116	-7.7
South Carolina	51	52	43	51	43	18.6
Virginia	130	131	132	130	132	-1.2
West Virginia	95	85	94	95	94	1.5
East South Central	716	783	780	716	780	-8.1
Alabama	222	240	227	222	227	-2.0
Kentucky	187	222	180	187	180	3.8
Tennessee	307	322	373	307	373	-17.6
West South Central	288	329	337	288	337	-14.7
Arkansas	45	50	57	45	57	-21.2
Louisiana	53	58	58	53	58	-9.3
Oklahoma	82	66	112	82	112	-26.7
Texas	108	155	110	108	110	-1.9
Mountain	769	866	831	769	831	-7.4
Arizona	57	75	74	57	74	-22.9
Colorado	66	59	78	66	78	-15.5
Idaho	13	20	18	13	18	-27.6
Montana	41	95	66	41	66	-38.4
Nevada	74	91	68	74	68	10.1
New Mexico	15	19	15	15	15	3.6
Utah	86	88	88	86	88	-3.1
Wyoming	417	419	424	417	424	-1.7
Pacific	380	367	376	380	376	1.2
Alaska	s	s	s	s	s	s
California	346	332	346	346	346	0.2
Oregon	17	11	15	17	15	8.8
Washington	17	23	14	17	14	18.9
U.S. Total	7,388	8,378	7,806	7,388	7,806	-5.3

- = 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.

Table 27. Average price of coal receipts at other industrial plants by census division and state

(dollars per short ton)

Census division and state	January - March 2019	October - December 2018	January - March 2018	Year to date		Percent change
				2019	2018	
New England	w	w	w	w	w	w
Maine	w	w	w	w	w	w
Massachusetts	w	w	w	w	w	w
Middle Atlantic	86.43	96.42	88.25	86.43	88.25	-2.1
New York	w	w	w	w	w	w
Pennsylvania	w	w	w	w	w	w
East North Central	73.17	75.25	72.92	73.17	72.92	0.3
Illinois	45.99	w	45.94	w	w	w
Indiana	106.51	w	94.93	w	w	w
Michigan	106.82	93.75	90.20	106.82	90.20	18.4
Ohio	99.00	98.24	99.43	99.00	99.43	-0.4
Wisconsin	84.69	86.83	82.54	84.69	82.54	2.6
West North Central	30.01	26.81	28.17	30.01	28.17	6.5
Iowa	37.40	34.60	40.83	37.40	40.83	-8.4
Kansas	w	w	w	w	w	w
Minnesota	50.18	47.01	49.15	50.18	49.15	2.1
Missouri	52.54	47.56	52.49	52.54	52.49	0.1
Nebraska	24.46	25.41	26.43	24.46	26.43	-7.5
North Dakota	w	w	w	w	w	w
South Dakota	w	w	w	w	w	w
South Atlantic	101.98	98.68	102.38	101.98	102.38	-0.4
Florida	w	w	w	w	w	w
Georgia	99.65	102.91	100.42	99.65	100.42	-0.8
Maryland	w	w	w	w	w	w
North Carolina	109.68	95.93	96.96	109.68	96.96	13.1
South Carolina	100.14	99.45	107.23	100.14	107.23	-6.6
Virginia	94.70	93.66	91.27	94.70	91.27	3.8
West Virginia	149.43	155.73	172.90	149.43	172.90	-13.6
East South Central	96.75	89.41	87.49	96.75	87.49	10.6
Alabama	102.36	93.75	97.40	102.36	97.40	5.1
Kentucky	100.28	89.55	91.06	100.28	91.06	10.1
Tennessee	90.56	86.08	79.75	90.56	79.75	13.6
West South Central	75.83	77.87	72.22	75.83	72.22	5.0
Arkansas	w	w	w	w	w	w
Louisiana	w	w	w	w	w	w
Oklahoma	69.79	69.19	w	69.79	w	w
Texas	91.09	85.86	88.24	91.09	88.24	3.2
Mountain	56.91	56.00	53.26	56.91	53.26	6.9
Arizona	w	w	w	w	w	w
Colorado	w	w	51.38	w	w	w
Idaho	w	w	w	w	w	w
Montana	49.46	38.17	33.20	49.46	33.20	49.0
Nevada	83.41	71.79	74.94	83.41	74.94	11.3
New Mexico	w	w	w	w	w	w
Utah	54.30	53.61	52.67	54.30	52.67	3.1
Wyoming	46.92	47.12	45.94	46.92	45.94	2.1
Pacific	80.31	77.50	82.30	80.31	82.30	-2.4
California	79.03	77.46	82.76	79.03	82.76	-4.5
Oregon	w	w	w	w	w	w
Washington	w	w	w	w	w	w
U.S. Total	60.74	58.47	58.39	60.74	58.39	4.0

- = 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		January - March 2019	October - December 2018	January - March 2018	Year to date		Percent change
					2019	2018	
311	Food Manufacturing	2,006	2,064	1,886	2,006	1,886	6.4
312	Beverage and Tobacco Product Mfg.	5	4	6	5	6	-18.0
313	Textile Mills	26	22	33	26	33	-20.5
322	Paper Manufacturing	687	652	759	687	759	-9.4
324	Petroleum and Coal Products	1,355	1,633	1,573	1,355	1,573	-13.8
325	Chemical Manufacturing	884	796	942	884	942	-6.2
327	Nonmetallic Mineral Products Mfg.	1,773	2,331	1,844	1,773	1,844	-3.9
331	Primary Metal Manufacturing	375	539	443	375	443	-15.4
333	Machinery Manufacturing	-	11	10	-	10	-
339	Miscellaneous Manufacturing	276	327	311	276	311	-11.0
U.S. Total		7,388	8,378	7,806	7,388	7,806	-5.3

* 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		January - March 2019	October - December 2018	January - March 2018	Year to date		Percent change
					2019	2018	
311	Food Manufacturing	42.76	41.20	41.50	42.76	41.50	3.0
312	Beverage and Tobacco Product Mfg.	w	w	w	w	w	w
313	Textile Mills	114.12	113.58	112.75	114.12	112.75	1.2
322	Paper Manufacturing	88.94	86.58	80.87	88.94	80.87	10.0
324	Petroleum and Coal Products	w	w	w	w	w	w
325	Chemical Manufacturing	78.26	75.97	72.70	78.26	72.70	7.6
327	Nonmetallic Mineral Products Mfg.	78.38	77.26	77.27	78.38	77.27	1.4
331	Primary Metal Manufacturing	135.40	115.93	130.29	135.40	130.29	3.9
333	Machinery Manufacturing	-	w	w	w	w	-
339	Miscellaneous Manufacturing	52.89	52.03	52.91	52.89	52.91	s
U.S. Total		60.74	58.47	58.39	60.74	58.39	4.0

* Includes coal gasification projects.

** Excludes coke plants.

- = No data reported.

w = Data withheld to avoid disclosure.

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

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	January - March 2019	October - December 2018	January - March 2018	Year to date		Percent change
				2019	2018	
Middle Atlantic	6	3	10	6	10	-34.5
Pennsylvania	6	3	10	6	10	-34.5
East North Central	62	36	73	62	73	-16.1
Illinois	28	21	45	28	45	-37.2
Indiana	19	9	13	19	13	40.6
Wisconsin	14	6	15	14	15	-2.1
West North Central	63	54	60	63	60	5.2
Iowa	30	23	24	30	24	23.3
Minnesota	4	1	2	4	2	185.0
Missouri	5	7	6	5	6	-13.2
North Dakota	24	23	29	24	29	-16.5
South Atlantic	38	34	32	38	32	17.5
North Carolina	31	25	23	31	23	34.9
Virginia	6	9	9	6	9	-28.4
East South Central	2	s	4	2	4	-35.7
Kentucky	2	s	4	2	4	-35.7
Mountain	4	2	5	4	5	-31.6
Montana	-	-	s	-	s	-
Wyoming	4	2	5	4	5	-29.0
Pacific	123	111	135	123	135	-8.9
Alaska	123	111	135	123	135	-8.9
U.S. Total	298	241	319	298	319	-6.7

- = 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	January - March 2019	October - December 2018	January - March 2018	Year to date		Percent change
				2019	2018	
Middle Atlantic	106.36	107.76	111.01	106.36	111.01	-4.2
Pennsylvania	106.36	107.76	111.01	106.36	111.01	-4.2
East North Central	83.93	72.07	77.75	83.93	77.75	7.9
Illinois	w	w	w	w	w	w
Indiana	w	w	w	w	w	w
Wisconsin	156.94	153.50	154.57	156.94	154.57	1.5
West North Central	80.36	76.88	73.60	80.36	73.60	9.2
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	w
South Atlantic	w	139.13	108.45	w	w	w
North Carolina	w	w	w	w	w	w
Virginia	142.46	w	w	w	w	w
East South Central	w	w	w	w	w	w
Kentucky	w	w	w	w	w	w
Mountain	w	w	w	w	w	w
Montana	-	-	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	90.17	89.41	83.33	90.17	83.33	8.2

- = 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, 2013 - 2019

(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	
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	160,569	4,236	3,482	5,052	8,534	194	179	373	173,712
April - June	154,230	4,325	3,096	5,012	8,107	121	82	203	166,866
July - September	190,545	4,491	3,083	5,168	8,251	136	59	195	203,482
October - December	159,649	4,485	3,314	5,057	8,371	159	130	290	172,796
Total	664,993	17,538	12,975	20,289	33,264	610	451	1,061	716,856
2018									
January - March	154,803	4,228	3,496	4,650	8,146	175	180	354	167,531
April - June	144,176	4,610	3,045	4,646	7,691	128	66	194	156,670
July - September	181,600	4,762	2,897	4,693	7,591	147	28	175	194,128
October - December	155,920	4,737	3,030	5,122	8,152	138	111	248	169,057
Total	636,498	18,337	12,468	19,112	31,580	587	384	972	687,386
2019									
January - March	145,014	4,463	3,040	4,742	7,783	166	153	320	157,580
Total	145,014	4,463	3,040	4,742	7,783	166	153	320	157,580
2018 January - March	154,803	4,228	3,496	4,650	8,146	175	180	354	167,531
2017 January - March	160,569	4,236	3,482	5,052	8,534	194	179	373	173,712

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	January - March 2019	October - December 2018	January - March 2018	Year to date		Percent change
				2019	2018	
Middle Atlantic	1,358	1,513	1,235	1,358	1,235	9.9
East North Central	2,401	2,477	2,284	2,401	2,284	5.1
South Atlantic	431	445	400	431	400	7.8
East South Central	272	302	309	272	309	-11.8
U.S. Total	4,463	4,737	4,228	4,463	4,228	5.5

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	January - March 2019	October - December 2018	January - March 2018	Year to date		Percent change
				2019	2018	
New England	7	6	9	7	9	-29.8
Maine	6	5	8	6	8	-28.7
Massachusetts	1	1	1	1	1	-39.3
Middle Atlantic	208	206	231	208	231	-10.0
New York	62	58	80	62	80	-21.8
Pennsylvania	145	147	151	145	151	-3.8
East North Central	1,594	1,555	1,552	1,594	1,552	2.7
Illinois	702	621	583	702	583	20.5
Indiana	371	442	392	371	392	-5.2
Michigan	147	119	187	147	187	-21.7
Ohio	124	120	139	124	139	-10.9
Wisconsin	250	252	252	250	252	-0.5
West North Central	3,027	3,288	3,247	3,027	3,247	-6.8
Iowa	583	565	622	583	622	-6.3
Kansas	17	40	19	17	19	-10.8
Minnesota	365	338	326	365	326	11.8
Missouri	187	206	200	187	200	-6.2
Nebraska	263	304	307	263	307	-14.4
North Dakota	1,557	1,785	1,718	1,557	1,718	-9.4
South Dakota	55	49	54	55	54	1.3
South Atlantic	731	755	733	731	733	-0.3
Florida	133	136	122	133	122	9.1
Georgia	95	83	106	95	106	-10.6
Maryland	127	158	110	127	110	15.2
North Carolina	102	101	115	102	115	-10.9
South Carolina	53	58	56	53	56	-4.7
Virginia	131	128	131	131	131	-0.7
West Virginia	90	91	93	90	93	-3.0
East South Central	733	739	785	733	785	-6.6
Alabama	216	229	221	216	221	-2.1
Kentucky	197	205	180	197	180	9.6
Tennessee	320	305	384	320	384	-16.8
West South Central	313	319	347	313	347	-9.8
Arkansas	50	42	47	50	47	7.4
Louisiana	61	58	61	61	61	-0.5
Oklahoma	79	79	107	79	107	-25.8
Texas	123	140	132	123	132	-7.3
Mountain	802	885	850	802	850	-5.6
Arizona	63	84	69	63	69	-8.7
Colorado	68	61	52	68	52	30.4
Idaho	43	35	55	43	55	-21.2
Montana	58	90	75	58	75	-23.0
Nevada	74	74	72	74	72	2.6
New Mexico	14	20	14	14	14	4.6
Utah	80	99	81	80	81	-1.9
Wyoming	401	422	431	401	431	-6.9
Pacific	367	400	391	367	391	-6.1
Alaska	s	s	s	s	s	s
California	331	348	345	331	345	-4.0
Oregon	15	33	27	15	27	-46.5
Washington	21	20	19	21	19	14.7
U.S. Total	7,783	8,152	8,146	7,783	8,146	-4.5

- = 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.

Table 35. U.S. coal consumption at manufacturing plants by North American Industry Classification System (NAICS) code
(thousand short tons)

NAICS code	January - March 2019	October - December 2018	January - March 2018	Year to date		Percent change
				2019	2018	
311 Food Manufacturing	2,116	2,054	1,995	2,116	1,995	6.1
312 Beverage and Tobacco Product Mfg.	5	4	6	5	6	-19.5
313 Textile Mills	26	21	32	26	32	-18.9
322 Paper Manufacturing	711	652	806	711	806	-11.7
324 Petroleum and Coal Products	1,402	1,629	1,570	1,402	1,570	-10.7
325 Chemical Manufacturing	861	819	951	861	951	-9.5
327 Nonmetallic Mineral Products Mfg.	1,907	2,174	1,922	1,907	1,922	-0.7
331 Primary Metal Manufacturing	462	471	534	462	534	-13.4
333 Machinery Manufacturing	3	6	10	3	10	-70.7
336 Transportation Equipment Mfg.	-	-	2	-	2	-
339 Miscellaneous Manufacturing	289	323	318	289	318	-9.0
U.S. Total	7,783	8,152	8,146	7,783	8,146	-4.5

* 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	January - March 2019	October - December 2018	January - March 2018	Year to date		Percent change
				2019	2018	
Middle Atlantic	8	2	11	8	11	-21.3
Pennsylvania	8	2	11	8	11	-21.3
East North Central	60	35	77	60	77	-22.6
Illinois	26	19	46	26	46	-43.1
Indiana	18	11	16	18	16	14.4
Wisconsin	15	5	15	15	15	0.1
West North Central	69	49	69	69	69	-0.7
Iowa	30	25	29	30	29	2.0
Minnesota	3	2	5	3	5	-24.3
Missouri	6	6	6	6	6	-0.7
North Dakota	29	17	29	29	29	0.4
South Atlantic	42	27	51	42	51	-17.2
District of Columbia	s	-	1	s	1	-87.3
North Carolina	27	20	32	27	32	-16.4
Virginia	15	6	18	15	18	-13.2
East South Central	3	s	4	3	4	-34.3
Kentucky	3	s	4	3	4	-34.3
Mountain	5	4	7	5	7	-30.1
Montana	1	1	2	1	2	-33.4
Wyoming	4	2	5	4	5	-29.0
Pacific	133	131	135	133	135	-1.6
Alaska	133	131	135	133	135	-1.6
U.S. Total	320	248	354	320	354	-9.8

- = 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.'

Stocks

Table 37. U.S. coal stocks, 2013 - 2019

(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			
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	161,815	1,388	3,236	335	166,774	25,190	191,964
June 30	158,014	1,626	3,295	329	163,264	23,430	186,694
September 30	139,571	1,670	3,482	337	145,060	23,430	168,490
December 31	137,687	1,718	3,242	310	142,957	23,999	166,956
2018							
March 31	126,532	1,508	2,891	275	131,206	26,775*	157,981
June 30	121,529	1,616	2,896	256	126,296	24,524*	150,820
September 30	100,781	1,811	3,023	260	105,875	23,413*	129,288
December 31	102,786	1,807	3,258	247	108,098	23,978*	132,076
2019							
March 31	97,127	2,005	2,832	221	102,185	23,158*	125,343

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	March 31, 2019	December 31, 2018	March 31, 2018	Percent change (March 31) 2019 versus 2018
Middle Atlantic	622	444	389	60.0
East North Central	954	1,015	775	23.1
South Atlantic	212	151	179	18.2
East South Central	217	197	165	31.9
U.S. Total	2,005	1,807	1,508	33.0

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	March 31, 2019	December 31, 2018	March 31, 2018	Percent change (March 31) 2019 versus 2018
New England	5	5	5	9.9
Maine	1	1	1	23.8
Massachusetts	4	4	4	6.9
Middle Atlantic	224	248	238	-5.7
New York	73	91	88	-16.3
Pennsylvania	151	157	150	0.4
East North Central	583	790	548	6.3
Illinois	119	139	128	-6.6
Indiana	219	269	207	5.5
Michigan	153	237	128	19.8
Ohio	19	19	22	-14.8
Wisconsin	73	126	63	15.5
West North Central	408	567	511	-20.2
Iowa	119	117	125	-4.8
Kansas	25	10	37	-31.6
Minnesota	38	95	60	-36.6
Missouri	93	87	70	31.8
Nebraska	58	78	68	-13.9
North Dakota	45	148	138	-67.1
South Dakota	29	31	13	123.3
South Atlantic	421	396	359	17.2
Florida	95	92	77	23.1
Georgia	81	59	57	42.7
Maryland	6	14	15	-60.7
North Carolina	42	39	36	16.8
South Carolina	70	72	56	25.3
Virginia	56	57	58	-2.6
West Virginia	71	65	61	16.8
East South Central	188	206	163	15.8
Alabama	91	84	80	13.7
Kentucky	24	36	20	19.2
Tennessee	74	86	63	17.5
West South Central	361	392	400	-9.7
Arkansas	41	46	41	-0.8
Louisiana	3	9	8	-68.6
Oklahoma	86	84	118	-27.2
Texas	232	253	232	-0.3
Mountain	507	539	531	-4.5
Arizona	29	35	32	-9.3
Colorado	27	29	44	-39.9
Idaho	214	244	234	-8.5
Montana	27	45	38	-28.5
Nevada	32	36	25	27.6
New Mexico	2	2	4	-35.6
Utah	46	42	66	-29.9
Wyoming	129	107	88	47.4
Pacific	135	116	137	-2.0
California	124	103	125	-0.7
Oregon	10	7	11	-9.2
Washington	1	5	2	-50.5
U.S. Total	2,832	3,258	2,891	-2.1

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	March 31, 2019	December 31, 2018	March 31, 2018	Percent change (March 31) 2019 versus 2018
311 Food Manufacturing	519	637	589	-11.9
312 Beverage and Tobacco Product Mfg.	1	1	1	14.3
313 Textile Mills	13	14	14	-3.3
322 Paper Manufacturing	295	321	311	-4.9
324 Petroleum and Coal Products	116	164	180	-35.2
325 Chemical Manufacturing	254	224	283	-10.2
327 Nonmetallic Mineral Products Mfg.	1,316	1,483	1,187	10.9
331 Primary Metal Manufacturing	176	270	221	-20.4
333 Machinery Manufacturing	17	19	25	-34.0
339 Miscellaneous Manufacturing	123	125	81	52.3
U.S. Total	2,832	3,258	2,891	-2.1

* 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	March 31, 2019	December 31, 2018	March 31, 2018	Percent change (March 31) 2019 versus 2018
Middle Atlantic	71	85	33	118.9
East North Central	287	224	319	-9.9
South Atlantic	38	47	92	-58.9
East South Central	80	99	100	-19.2
U.S. Total	477	455	543	-12.2
Coke Total	361	354	405	-10.7
Breeze Total	115	102	138	-16.5

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	March 31, 2019	December 31, 2018	March 31, 2018	Percent change (March 31) 2019 versus 2018
Middle Atlantic	37	42	41	-9.6
Pennsylvania	37	42	41	-9.6
East North Central	32	31	47	-32.3
Illinois	21	19	22	-6.8
Indiana	10	9	18	-46.3
Ohio	-	-	5	-100.0
Wisconsin	2	3	2	-6.4
West North Central	29	35	36	-20.8
Iowa	14	15	20	-31.6
Minnesota	7	5	4	74.8
Missouri	s	1	1	-88.9
North Dakota	8	14	12	-27.9
South Atlantic	37	41	34	9.1
District of Columbia	3	3	3	-6.1
North Carolina	28	23	22	29.1
Virginia	6	15	9	-32.6
East South Central	7	8	7	2.7
Kentucky	7	8	7	2.7
Mountain	2	3	1	53.3
Colorado	1	1	1	s
Montana	1	2	s	205.4
Wyoming	s	s	s	s
Pacific	77	87	108	-28.9
Alaska	77	87	108	-28.9
U.S. Total	221	247	275	-19.7

- = 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	January - March 2019	October - December 2018	January - March 2018	Year to date		Percent change
				2019	2018	
New England						
Btu	12,329	12,658	12,698	12,329	12,698	-2.9
Sulfur	0.77	0.76	0.79	0.77	0.79	-3.5
Ash	8.49	7.18	7.42	8.49	7.42	14.5
Maine						
Btu	12,312	12,773	12,712	12,312	12,712	-3.1
Sulfur	0.76	0.73	0.77	0.76	0.77	-1.3
Ash	8.76	7.39	7.15	8.76	7.15	22.5
Massachusetts						
Btu	12,449	12,189	12,465	12,449	12,465	-0.1
Sulfur	0.81	0.90	1.19	0.81	1.19	-31.9
Ash	6.59	6.32	11.83	6.59	11.83	-44.3
Middle Atlantic						
Btu	14,093	14,079	14,000	14,093	14,000	0.7
Sulfur	1.09	1.09	1.13	1.09	1.13	-3.8
Ash	7.78	7.44	8.23	7.78	8.23	-5.5
New York						
Btu	12,779	13,072	13,332	12,779	13,332	-4.2
Sulfur	2.22	1.89	1.84	2.22	1.84	20.8
Ash	9.34	7.93	7.94	9.34	7.94	17.6
Pennsylvania						
Btu	14,129	14,118	14,055	14,129	14,055	0.5
Sulfur	1.06	1.06	1.07	1.06	1.07	-1.5
Ash	7.74	7.42	8.26	7.74	8.26	-6.3
East North Central						
Btu	13,237	13,126	13,190	13,237	13,190	0.4
Sulfur	1.20	1.16	1.15	1.20	1.15	4.1
Ash	7.28	7.52	7.20	7.28	7.20	1.2
Illinois						
Btu	11,514	11,382	11,324	11,514	11,324	1.7
Sulfur	2.03	2.27	1.89	2.03	1.89	7.4
Ash	7.50	7.49	7.36	7.50	7.36	1.8
Indiana						
Btu	14,110	13,784	14,028	14,110	14,028	0.6
Sulfur	0.89	0.83	0.83	0.89	0.83	6.5
Ash	7.10	7.39	7.17	7.10	7.17	-0.9
Michigan						
Btu	13,085	13,139	13,374	13,085	13,374	-2.2
Sulfur	0.76	0.80	1.09	0.76	1.09	-30.3
Ash	6.70	7.75	7.52	6.70	7.52	-10.9
Ohio						
Btu	14,235	14,190	14,104	14,235	14,104	0.9
Sulfur	0.98	1.04	1.00	0.98	1.00	-2.7
Ash	7.51	7.60	7.21	7.51	7.21	4.1
Wisconsin						
Btu	10,549	10,983	10,740	10,549	10,740	-1.8
Sulfur	0.75	0.79	1.00	0.75	1.00	-25.2
Ash	6.68	7.55	6.42	6.68	6.42	4.0
West North Central						
Btu	8,307	8,213	8,185	8,307	8,185	1.5
Sulfur	0.89	0.73	0.83	0.89	0.83	7.5
Ash	6.29	6.23	6.33	6.29	6.33	-0.7
Iowa						
Btu	9,280	9,016	9,127	9,280	9,127	1.7
Sulfur	1.03	0.57	0.76	1.03	0.76	34.7
Ash	5.37	4.93	5.10	5.37	5.10	5.2
Kansas						

Census division and state¹	January - March 2019	October - December 2018	January - March 2018	Year to date		Percent change
				2019	2018	
Btu	10,958	10,494	10,717	10,958	10,717	2.2
Sulfur	2.19	1.93	1.98	2.19	1.98	10.9
Ash	11.91	13.28	13.10	11.91	13.10	-9.1
Minnesota						
Btu	9,227	9,133	9,166	9,227	9,166	0.7
Sulfur	0.34	0.31	0.32	0.34	0.32	5.5
Ash	4.24	4.50	4.29	4.24	4.29	-1.0
Missouri						
Btu	11,155	11,137	11,443	11,155	11,443	-2.5
Sulfur	2.24	2.31	2.34	2.24	2.34	-4.4
Ash	8.60	8.78	8.94	8.60	8.94	-3.8
Nebraska						
Btu	8,706	8,867	8,865	8,706	8,865	-1.8
Sulfur	0.22	0.23	0.23	0.22	0.23	-4.2
Ash	4.61	4.75	4.70	4.61	4.70	-1.8
North Dakota						
Btu	7,199	7,259	7,158	7,199	7,158	0.6
Sulfur	0.87	0.73	0.84	0.87	0.84	3.6
Ash	6.93	6.80	6.90	6.93	6.90	0.5
South Dakota						
Btu	8,413	8,334	8,247	8,413	8,247	2.0
Sulfur	0.55	0.52	0.58	0.55	0.58	-5.8
Ash	6.20	5.96	6.79	6.20	6.79	-8.7
South Atlantic						
Btu	13,323	13,178	13,470	13,323	13,470	-1.1
Sulfur	1.08	1.14	1.02	1.08	1.02	6.5
Ash	9.54	10.12	9.18	9.54	9.18	3.9
Florida						
Btu	12,299	12,402	12,756	12,299	12,756	-3.6
Sulfur	1.21	1.13	0.87	1.21	0.87	39.0
Ash	11.19	9.58	10.39	11.19	10.39	7.6
Georgia						
Btu	12,737	12,532	12,615	12,737	12,615	1.0
Sulfur	1.01	1.01	0.91	1.01	0.91	11.7
Ash	9.83	9.98	9.02	9.83	9.02	9.0
Maryland						
Btu	10,872	10,811	11,214	10,872	11,214	-3.0
Sulfur	1.74	1.85	1.84	1.74	1.84	-5.6
Ash	22.94	24.34	22.54	22.94	22.54	1.8
North Carolina						
Btu	13,438	13,508	13,442	13,438	13,442	s
Sulfur	0.95	0.93	0.93	0.95	0.93	2.2
Ash	7.50	7.11	7.70	7.50	7.70	-2.6
South Carolina						
Btu	13,377	13,317	14,065	13,377	14,065	-4.9
Sulfur	1.58	1.75	0.97	1.58	0.97	62.2
Ash	7.47	8.68	4.27	7.47	4.27	74.8
Virginia						
Btu	14,050	14,047	14,129	14,050	14,129	-0.6
Sulfur	0.82	0.83	0.84	0.82	0.84	-1.8
Ash	7.52	7.29	7.37	7.52	7.37	2.1
West Virginia						
Btu	13,951	13,939	14,114	13,951	14,114	-1.2
Sulfur	1.11	1.16	1.14	1.11	1.14	-2.5
Ash	7.23	6.86	6.87	7.23	6.87	5.3
East South Central						
Btu	13,466	13,376	13,442	13,466	13,442	0.2
Sulfur	1.22	1.23	1.16	1.22	1.16	5.5
Ash	6.77	7.25	7.21	6.77	7.21	-6.1
Alabama						
Btu	13,752	13,699	13,859	13,752	13,859	-0.8

Census division and state¹	January - March 2019	October - December 2018	January - March 2018	Year to date		Percent change
				2019	2018	
Sulfur	1.05	1.03	1.07	1.05	1.07	-1.8
Ash	6.93	6.89	6.94	6.93	6.94	-0.1
Kentucky						
Btu	13,226	13,051	13,016	13,226	13,016	1.6
Sulfur	1.02	1.10	1.00	1.02	1.00	2.6
Ash	6.43	8.43	7.00	6.43	7.00	-8.1
Tennessee						
Btu	13,135	13,049	13,034	13,135	13,034	0.8
Sulfur	1.63	1.66	1.37	1.63	1.37	19.1
Ash	6.71	7.06	7.71	6.71	7.71	-13.1
West South Central						
Btu	9,611	10,019	9,551	9,611	9,551	0.6
Sulfur	0.63	0.65	0.59	0.63	0.59	7.1
Ash	8.43	8.28	8.04	8.43	8.04	4.9
Arkansas						
Btu	11,539	11,745	11,650	11,539	11,650	-1.0
Sulfur	1.15	1.20	1.32	1.15	1.32	-12.7
Ash	10.37	10.29	10.50	10.37	10.50	-1.2
Louisiana						
Btu	7,489	8,172	7,827	7,489	7,827	-4.3
Sulfur	0.64	0.78	0.64	0.64	0.64	0.6
Ash	5.66	6.16	6.66	5.66	6.66	-15.0
Oklahoma						
Btu	9,834	9,991	9,341	9,834	9,341	5.3
Sulfur	0.32	0.32	0.26	0.32	0.26	21.6
Ash	5.21	4.98	4.90	5.21	4.90	6.3
Texas						
Btu	9,680	10,165	9,593	9,680	9,593	0.9
Sulfur	0.64	0.55	0.51	0.64	0.51	25.3
Ash	11.43	9.82	10.69	11.43	10.69	6.9
Mountain						
Btu	10,467	10,411	10,438	10,467	10,438	0.3
Sulfur	0.55	0.59	0.62	0.55	0.62	-11.2
Ash	6.69	6.96	7.17	6.69	7.17	-6.7
Arizona						
Btu	11,446	11,582	11,533	11,446	11,533	-0.8
Sulfur	0.53	0.66	0.66	0.53	0.66	-18.9
Ash	12.53	12.19	11.26	12.53	11.26	11.2
Colorado						
Btu	10,790	10,674	10,816	10,790	10,816	-0.2
Sulfur	0.55	0.59	0.46	0.55	0.46	19.8
Ash	7.50	8.08	8.46	7.50	8.46	-11.3
Idaho						
Btu	11,152	11,898	11,332	11,152	11,332	-1.6
Sulfur	0.51	0.51	0.53	0.51	0.53	-4.9
Ash	7.95	9.99	10.20	7.95	10.20	-22.1
Montana						
Btu	8,684	8,664	9,055	8,684	9,055	-4.1
Sulfur	0.36	0.36	0.37	0.36	0.37	-4.2
Ash	5.78	5.77	6.08	5.78	6.08	-4.8
Nevada						
Btu	11,614	11,594	11,719	11,614	11,719	-0.9
Sulfur	0.48	0.43	0.49	0.48	0.49	-2.1
Ash	9.34	9.92	9.38	9.34	9.38	-0.4
New Mexico						
Btu	12,244	12,255	12,201	12,244	12,201	0.4
Sulfur	0.87	0.95	0.77	0.87	0.77	13.0
Ash	10.45	10.41	10.87	10.45	10.87	-3.9
Utah						
Btu	11,581	11,410	11,396	11,581	11,396	1.6
Sulfur	0.42	0.46	0.52	0.42	0.52	-18.9

Census division and state ¹	January - March 2019	October - December 2018	January - March 2018	Year to date		Percent change
				2019	2018	
Ash	10.81	10.62	10.90	10.81	10.90	-0.8
Wyoming						
Btu	9,934	9,935	9,889	9,934	9,889	0.5
Sulfur	0.60	0.69	0.72	0.60	0.72	-16.7
Ash	4.35	4.42	4.99	4.35	4.99	-12.8
Pacific						
Btu	11,480	11,242	11,471	11,480	11,471	0.1
Sulfur	0.39	0.42	0.52	0.39	0.52	-24.8
Ash	9.63	10.95	10.58	9.63	10.58	-8.9
California						
Btu	11,575	11,370	11,543	11,575	11,543	0.3
Sulfur	0.40	0.43	0.53	0.40	0.53	-24.8
Ash	9.87	11.39	10.89	9.87	10.89	-9.3
Oregon						
Btu	11,555	11,459	11,667	11,555	11,667	-1.0
Sulfur	0.38	0.38	0.54	0.38	0.54	-29.6
Ash	10.41	11.47	9.85	10.41	9.85	5.7
Washington						
Btu	9,464	9,329	9,510	9,464	9,510	-0.5
Sulfur	0.30	0.36	0.34	0.30	0.34	-11.8
Ash	3.90	4.41	3.76	3.90	3.76	3.7
U.S. Total						
Btu	11,894	11,731	11,697	11,894	11,697	1.7
Sulfur	1.02	0.98	0.98	1.02	0.98	4.1
Ash	7.37	7.48	7.43	7.37	7.43	-0.7

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	January - March 2019	October - December 2018	January - March 2018	Year to date		Percent change
				2019	2018	
Middle Atlantic						
Btu	13,133	12,777	12,996	13,133	12,996	1.1
Sulfur	0.94	0.86	0.85	0.94	0.85	10.8
Ash	7.83	6.92	6.92	7.83	6.92	13.2
Pennsylvania						
Btu	13,133	12,777	12,996	13,133	12,996	1.1
Sulfur	0.94	0.86	0.85	0.94	0.85	10.8
Ash	7.83	6.92	6.92	7.83	6.92	13.2
East North Central						
Btu	12,088	11,661	11,705	12,088	11,705	3.3
Sulfur	2.35	2.51	2.50	2.35	2.50	-5.8
Ash	8.86	9.50	8.83	8.86	8.83	0.3
Illinois						
Btu	11,743	11,360	11,328	11,743	11,328	3.7
Sulfur	3.28	3.34	3.12	3.28	3.12	4.9
Ash	9.32	9.99	9.21	9.32	9.21	1.2
Indiana						
Btu	11,626	11,319	11,150	11,626	11,150	4.3
Sulfur	2.15	1.69	2.26	2.15	2.26	-4.8
Ash	9.09	9.48	8.83	9.09	8.83	2.9
Wisconsin						
Btu	13,375	13,375	13,375	13,375	13,375	s
Sulfur	0.78	0.78	0.78	0.78	0.78	s
Ash	7.65	7.65	7.65	7.65	7.65	s
West North Central						
Btu	10,286	10,380	9,958	10,286	9,958	3.3
Sulfur	1.59	1.79	1.69	1.59	1.69	-5.6
Ash	7.57	8.41	9.61	7.57	9.61	-21.2
Iowa						
Btu	11,426	11,788	11,392	11,426	11,392	0.3
Sulfur	2.45	2.71	2.72	2.45	2.72	-10.0
Ash	8.42	8.27	8.73	8.42	8.73	-3.5
Minnesota						
Btu	8,960	9,209	9,299	8,960	9,299	-3.6
Sulfur	0.27	0.42	0.37	0.27	0.37	-28.1
Ash	5.14	4.83	4.54	5.14	4.54	13.2
Missouri						
Btu	11,336	11,290	11,372	11,336	11,372	-0.3
Sulfur	2.96	2.97	3.13	2.96	3.13	-5.4
Ash	8.26	8.57	8.69	8.26	8.69	-4.9
North Dakota						
Btu	8,875	8,716	8,482	8,875	8,482	4.6
Sulfur	0.47	0.56	0.58	0.47	0.58	-19.2
Ash	6.81	8.71	10.83	6.81	10.83	-37.1
South Atlantic						
Btu	12,765	12,913	13,122	12,765	13,122	-2.7
Sulfur	1.83	1.65	1.65	1.83	1.65	11.0
Ash	9.84	9.18	8.57	9.84	8.57	14.9
North Carolina						
Btu	12,591	12,805	12,922	12,591	12,922	-2.6
Sulfur	2.06	1.99	1.98	2.06	1.98	4.0
Ash	10.74	9.95	9.52	10.74	9.52	12.8
Virginia						
Btu	13,634	13,208	13,652	13,634	13,652	-0.1
Sulfur	0.70	0.73	0.78	0.70	0.78	-10.5
Ash	5.38	7.07	6.05	5.38	6.05	-11.0
East South Central						

Census division and state ¹	January - March 2019	October - December 2018	January - March 2018	Year to date		Percent change
				2019	2018	
Btu	13,005	13,509	13,670	13,005	13,670	-4.9
Sulfur	0.79	0.79	0.78	0.79	0.78	1.3
Ash	7.03	6.29	4.86	7.03	4.86	44.8
Kentucky						
Btu	13,005	13,509	13,670	13,005	13,670	-4.9
Sulfur	0.79	0.79	0.78	0.79	0.78	1.3
Ash	7.03	6.29	4.86	7.03	4.86	44.8
Mountain						
Btu	11,364	11,475	11,645	11,364	11,645	-2.4
Sulfur	0.45	0.45	0.46	0.45	0.46	-1.6
Ash	12.78	11.70	9.85	12.78	9.85	29.8
Montana						
Btu	-	-	10,616	-	10,616	-
Sulfur	-	-	0.39	-	0.39	-
Ash	-	-	8.42	-	8.42	-
Wyoming						
Btu	11,364	11,475	11,685	11,364	11,685	-2.7
Sulfur	0.45	0.45	0.46	0.45	0.46	-2.2
Ash	12.78	11.70	9.90	12.78	9.90	29.1
Pacific						
Btu	7,550	7,595	7,536	7,550	7,536	0.2
Sulfur	0.16	0.14	0.12	0.16	0.12	33.0
Ash	7.02	6.50	5.49	7.02	5.49	27.9
Alaska						
Btu	7,550	7,595	7,536	7,550	7,536	0.2
Sulfur	0.16	0.14	0.12	0.16	0.12	33.0
Ash	7.02	6.50	5.49	7.02	5.49	27.9
U.S. Total						
Btu	9,939	9,681	9,818	9,939	9,818	1.2
Sulfur	1.15	1.09	1.15	1.15	1.15	0.3
Ash	7.96	7.81	7.45	7.96	7.45	6.8

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

- = No data reported.

s = Absolute percentage less than 0.05.

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