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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 second-quarter 2019 QCR includes detailed quarterly coal data for April 2019–June 2019 and aggregated quarterly historical coal data for 2012 through second-quarter 2019.

All data for 2018 and previous years are final. All data for 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	187,743	1,367	2,996	26,775	168,149	27,221	131,096	-
April - June	180,829	1,546	2,122	24,524	156,607	30,876	126,162	-
July - September	194,731	1,439	2,695	23,413	194,219	29,067	105,774	-
October - December	192,863	1,602	2,618	23,978	169,131	28,469	108,355	-
Total	756,167	5,954	10,431		688,105	115,632		3,439
2019								
January - March	179,536	1,689	2,519	23,158*	157,580	25,210	102,185	-
April - June	179,176	1,604	2,079	21,878*	129,582	25,315	121,951	-
Total	358,712	3,293	4,598		287,162	50,525		17,419
2018 January - June	368,573	2,913	5,118		324,756	58,096		-
2017 January - June	384,237	4,112	5,042		340,577	44,103		-

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
April - June	3,495	40	430	3,245	222
Total	6,818	46		6,375	413
2018 January - June	6,698	72		6,297	590
2017 January - June	6,151	29		5,871	473

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
April - June	14,789	23,937	4,580	43,307	34.75	39,237	39,237
Total	31,873	39,625	8,240	79,738	35.51	75,447	75,447

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	187,743	180,829	194,731	192,863	756,167
2019	179,536	179,176	-	-	358,712

- = 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	April - June 2019	January - March 2019	April - June 2018	Year to date		Percent change
				2019	2018	
Alabama	3,923	3,823	3,571	7,746	7,470	3.7
Alaska	246	252	185	498	421	18.2
Arizona	1,760	1,503	1,692	3,263	3,218	1.4
Colorado	2,829	3,486	3,779	6,315	7,054	-10.5
Illinois	11,834	13,011	12,125	24,845	24,747	0.4
Indiana	8,273	8,898	8,689	17,171	17,089	0.5
Kentucky Total	9,449	9,994	9,928	19,443	20,147	-3.5
Eastern (Kentucky)	3,688	3,880	4,317	7,567	8,778	-13.8
Western (Kentucky)	5,761	6,114	5,611	11,876	11,369	4.5
Louisiana	379	232	447	611	678	-9.9
Maryland	375	380	290	755	670	12.7
Mississippi	782	596	770	1,378	1,409	-2.2
Missouri	49	50	65	99	129	-23.3
Montana	8,467	7,082	9,077	15,549	18,136	-14.3
New Mexico	3,985	3,728	1,740	7,713	3,763	105.0
North Dakota	5,958	7,200	6,884	13,159	14,417	-8.7
Ohio	2,381	1,940	1,682	4,321	4,132	4.6
Oklahoma	57	64	251	120	382	-68.5
Pennsylvania Total	13,621	12,495	13,610	26,116	25,589	2.1
Anthracite (Pennsylvania)	672	521	466	1,192	878	35.7
Bituminous (Pennsylvania)	12,949	11,975	13,144	24,924	24,711	0.9
Tennessee	108	71	54	179	119	50.6
Texas	5,100	6,447	6,486	11,547	12,550	-8.0
Utah	3,922	4,158	3,047	8,080	6,702	20.6
Virginia	3,163	3,126	3,091	6,288	6,334	-0.7
West Virginia Total	25,107	23,771	25,019	48,879	48,483	0.8
Northern (West Virginia)	12,701	12,155	11,746	24,856	22,893	8.6
Southern (West Virginia)	12,406	11,616	13,273	24,022	25,590	-6.1
Wyoming	67,282	67,127	68,188	134,409	144,572	-7.0
Appalachia Total	52,365	49,485	51,632	101,850	101,574	0.3
Appalachia Central	19,364	18,692	20,734	38,056	40,820	-6.8
Appalachia Northern	29,078	26,970	27,328	56,048	53,284	5.2
Appalachia Southern	3,923	3,823	3,571	7,746	7,470	3.7
Interior Region Total	32,235	35,412	34,444	67,647	68,354	-1.0
Illinois Basin	25,868	28,024	26,426	53,892	53,206	1.3
Interior	6,367	7,388	8,018	13,755	15,149	-9.2
Western Region Total	94,449	94,537	94,592	188,986	198,284	-4.7
Powder River Basin	71,439	70,415	72,862	141,854	153,707	-7.7
Uinta Region	6,549	7,461	6,501	14,010	13,143	6.6
Western	16,461	16,661	15,229	33,122	31,434	5.4
East of Mississippi River	79,015	78,105	78,828	157,120	156,189	0.6
West of Mississippi River	100,034	101,329	101,841	201,363	212,023	-5.0
U.S. Subtotal	179,049	179,434	180,669	358,483	368,212	-2.6
Refuse recovery	126	102	161	229	361	-36.5
U.S. Total	179,176	179,536	180,829	358,712	368,573	-2.7

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	April - June 2019	January - March 2019	April - June 2018	Year to date		Percent change
				2019	2018	
Middle Atlantic	1,082	1,016	1,089	2,098	2,044	2.6
East North Central	2,038	1,924	1,968	3,963	3,825	3.6
South Atlantic	338	336	315	674	623	8.2
East South Central	222	216	278	438	535	-18.1
U.S. Total	3,680	3,493	3,650	7,173	7,028	2.1
Coke Total	3,495	3,323	3,479	6,818	6,698	1.8
Breeze Total	185	170	171	355	330	7.5

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.'

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	25,315	1,604	-	-	-	-	50,525	3,293

- = 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	112.20	84.78	-	-	-	-	111.28	81.52

- = 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
April - June	-	233,037	1,147,247	187,599	10,533	-	25,336	1,603,752
U.S. Total	-	379,448	2,452,494	385,703	15,570	-	59,336	3,292,551

**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
April - June	-	195.79	64.32	62.15	172.54	-	121.19	84.78
U.S. Total	-	193.78	65.14	62.18	141.73	-	150.72	81.52

- = 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	April - June 2019	January - March 2019	April - June 2018	Year to date		Percent change
				2019	2018	
North America Total	2,531,687	1,686,914	3,445,334	4,218,601	5,465,943	-22.8
Canada*	1,620,734	213,404	1,650,300	1,834,138	2,179,511	-15.8
Dominica	-	-	-	-	50,486	-
Dominican Republic	228,459	231,647	61,999	460,106	61,999	NM
Guatemala	34,564	129,448	48,505	164,012	132,221	24.0
Honduras	41,100	43,913	42,532	85,013	80,892	5.1
Jamaica	35,548	33,202	36,396	68,750	36,396	88.9
Mexico	449,946	913,949	1,488,846	1,363,895	2,765,125	-50.7
Panama	-	-	53,286	-	95,726	-
Trinidad and Tobago	121,254	121,256	63,182	242,510	63,277	283.3
Other**	82	95	288	177	310	-42.9
South America Total	2,483,530	2,414,714	2,532,411	4,898,244	5,336,948	-8.2
Argentina	93,484	84,037	93,047	177,521	358,435	-50.5
Brazil	2,080,729	1,996,182	2,178,307	4,076,911	4,434,520	-8.1
Chile	253,822	333,089	221,910	586,911	503,439	16.6
Other**	55,495	1,406	39,147	56,901	40,554	40.3
Europe Total	8,935,825	9,371,344	11,210,059	18,307,169	20,198,162	-9.4
Austria	672,083	677,268	177,483	1,349,351	274,072	392.3
Belgium	191,148	131,469	310,133	322,617	611,394	-47.2
Bosnia and Herzegovina	20,393	-	-	20,393	-	-
Croatia	410,686	574,776	484,825	985,462	1,237,422	-20.4
Finland	156,857	-	140,192	156,857	140,192	11.9
France	336,217	378,938	402,445	715,155	922,770	-22.5
Germany, Federal Republic of	470,759	533,910	1,034,775	1,004,669	1,837,796	-45.3
Greece	22,460	83,940	85,704	106,400	85,704	24.1
Italy	470,904	850,989	840,660	1,321,893	1,563,697	-15.5
Netherlands	2,968,179	3,180,818	2,856,637	6,148,997	5,052,733	21.7
Norway	17,656	7,142	16,100	24,798	32,513	-23.7
Poland	435,110	412,095	534,849	847,205	1,008,531	-16.0
Portugal	170,108	351,348	256,262	521,456	404,167	29.0
Romania	169,210	77,162	99,428	246,372	185,540	32.8
Slovakia	61,168	11,042	-	72,210	55,139	31.0
Slovenia	-	59,778	88,661	59,778	127,242	-53.0
Spain	188,367	252,751	416,626	441,118	845,677	-47.8
Sweden	120,674	147,029	217,507	267,703	302,496	-11.5
Turkey	442,640	249,291	1,295,634	691,931	1,856,352	-62.7
Ukraine	1,337,875	868,700	1,300,375	2,206,575	2,317,844	-4.8
United Kingdom	248,886	522,397	651,205	771,283	1,335,992	-42.3
Other**	24,445	501	558	24,946	889	NM
Asia Total	8,786,283	9,167,411	11,305,097	17,953,694	22,584,381	-20.5
China	301,665	435,735	1,018,960	737,400	2,037,612	-63.8
India	3,646,421	4,388,111	4,832,813	8,034,532	9,986,776	-19.5
Japan	3,043,817	2,692,944	2,468,182	5,736,761	4,928,222	16.4
Jordan	-	-	59,039	-	59,039	-
Pakistan	61	-	131,195	61	131,210	-100.0
South Korea (Republic of Korea)	1,771,077	1,647,005	2,545,089	3,418,082	5,048,588	-32.3
Thailand	332	155	246,113	487	386,221	-99.9
Other**	22,910	3,461	3,706	26,371	6,713	292.8
Australia and Oceania Total	42	1,083	91	1,125	212	430.7
Other**	42	1,083	91	1,125	212	430.7
Africa Total	2,578,033	2,568,536	2,382,615	5,146,569	4,510,737	14.1
Egypt	1,491,319	1,137,596	1,504,517	2,628,915	2,232,505	17.8
Ghana	28,233	-	-	28,233	27,558	2.4
Morocco	946,552	1,332,910	806,177	2,279,462	2,145,069	6.3

Continent and country of destination	April - June 2019	January - March 2019	April - June 2018	Year to date		Percent change
				2019	2018	
Senegal	33,069	-	-	33,069	33,069	s
South Africa	78,815	-	136	78,815	471	NM
Togo	-	98,030	54,046	98,030	54,046	81.4
Other**	45	-	17,739	45	18,019	-99.8
Total	25,315,400	25,210,002	30,875,607	50,525,402	58,096,383	-13.0

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

** Includes countries with coal exports less than or equal to 50,000 short tons in 2018.

- = No data reported.

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

s = Absolute percentage less than 0.05.

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

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

Table 8. Average price of U.S. coal exports

(dollars per short ton)

Continent and country of destination	April - June 2019	January - March 2019	April - June 2018	Year to date		Percent change
				2019	2018	
North America Total	109.16	67.50	84.59	92.50	75.26	22.9
Canada*	121.77	81.81	114.57	117.12	110.98	5.5
Dominica	-	-	-	-	45.32	-
Dominican Republic	77.61	88.15	63.80	82.92	63.80	30.0
Guatemala	68.98	70.21	48.73	69.95	59.37	17.8
Honduras	61.29	63.90	52.68	62.64	51.79	20.9
Jamaica	63.50	88.95	54.50	75.79	54.50	39.1
Mexico	77.55	45.93	51.96	56.36	47.90	17.7
Panama	-	-	54.48	-	54.46	-
Trinidad and Tobago	158.14	157.87	181.72	158.01	181.49	-12.9
Other**	401.13	157.91	244.08	270.59	353.05	-23.4
South America Total	135.75	134.74	127.88	135.25	134.22	0.8
Argentina	176.20	173.84	167.66	175.08	180.97	-3.3
Brazil	145.52	145.13	133.39	145.33	138.38	5.0
Chile	55.20	61.36	68.47	58.69	68.65	-14.5
Other**	69.79	428.37	63.43	78.65	80.21	-1.9
Europe Total	130.92	125.45	118.78	128.12	120.47	6.4
Austria	173.79	183.45	174.34	178.64	179.72	-0.6
Belgium	171.11	183.58	161.50	176.19	161.00	9.4
Bosnia and Herzegovina	143.33	-	-	143.33	-	-
Croatia	159.76	172.13	156.55	166.97	146.52	14.0
Finland	185.21	-	142.24	185.21	142.24	30.2
France	136.85	154.02	160.99	145.95	139.14	4.9
Germany, Federal Republic of	90.79	86.26	91.82	88.38	116.60	-24.2
Greece	64.24	62.85	75.27	63.15	75.27	-16.1
Italy	121.14	112.84	124.17	115.80	127.49	-9.2
Netherlands	100.70	100.11	92.67	100.39	87.51	14.7
Norway	140.90	152.92	132.22	144.36	143.16	0.8
Poland	109.18	126.80	138.75	117.75	140.31	-16.1
Portugal	108.86	90.14	63.43	96.25	61.80	55.7
Romania	111.37	160.70	68.53	126.82	85.59	48.2
Slovakia	135.22	133.91	-	135.02	144.66	-6.7
Slovenia	-	70.76	63.50	70.76	63.50	11.4
Spain	179.50	134.82	95.08	153.90	109.02	41.2
Sweden	162.97	156.55	143.45	159.44	154.29	3.3
Turkey	137.56	124.48	122.54	132.85	121.76	9.1
Ukraine	174.77	180.16	165.95	176.89	163.18	8.4
United Kingdom	115.36	107.93	105.72	110.33	110.38	s
Other**	167.67	76.24	94.35	165.84	94.69	75.1
Asia Total	100.24	108.72	95.05	104.57	97.63	7.1
China	109.15	109.27	130.30	109.22	128.96	-15.3
India	94.80	102.50	99.08	99.01	98.97	s
Japan	122.28	132.47	114.13	127.06	122.26	3.9
Jordan	-	-	69.17	-	69.17	-
Pakistan	167.79	-	53.71	167.79	53.73	212.3
South Korea (Republic of Korea)	72.48	86.25	59.42	79.11	61.86	27.9
Thailand	357.42	221.86	74.83	314.28	69.59	351.6
Other**	63.70	134.08	117.50	72.94	154.45	-52.8
Australia and Oceania Total	201.14	142.71	533.29	144.90	380.00	-61.9
Other**	201.14	142.71	533.29	144.90	380.00	-61.9
Africa Total	68.37	66.41	70.00	67.39	66.81	0.9
Egypt	64.58	69.93	73.48	66.90	70.50	-5.1
Ghana	63.51	-	-	63.51	51.71	22.8
Morocco	69.01	63.18	62.84	65.60	62.93	4.2

Continent and country of destination	April - June 2019	January - March 2019	April - June 2018	Year to date		Percent change
				2019	2018	
Senegal	63.50	-	-	63.50	51.71	22.8
South Africa	136.08	-	544.67	136.08	550.45	-75.3
Togo	-	69.46	63.50	69.46	63.50	9.4
Other**	353.07	-	116.54	353.07	117.80	199.7
Total	112.20	110.36	103.26	111.28	104.44	6.5

* 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.

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 9. U.S. steam coal exports

(short tons)

Continent and country of destination	April - June 2019	January - March 2019	April - June 2018	Year to date		Percent change
				2019	2018	
North America Total	878,020	1,408,432	1,859,180	2,286,452	3,267,574	-30.0
Canada*	197,421	179,792	195,716	377,213	443,760	-15.0
Dominica	-	-	-	-	50,486	-
Dominican Republic	228,459	163,304	61,999	391,763	61,999	NM
Guatemala	34,564	129,448	48,505	164,012	132,221	24.0
Honduras	41,100	43,913	42,532	85,013	80,892	5.1
Jamaica	35,548	33,202	36,396	68,750	36,396	88.9
Mexico	340,703	858,676	1,357,276	1,199,379	2,302,507	-47.9
Panama	-	-	53,286	-	95,726	-
Trinidad and Tobago	143	2	63,182	145	63,277	-99.8
Other**	82	95	288	177	310	-42.9
South America Total	318,983	498,938	351,492	817,921	646,669	26.5
Argentina	118	-	46,558	118	46,570	-99.7
Brazil	9,548	164,443	43,877	173,991	56,106	210.1
Chile	253,822	333,089	221,910	586,911	503,439	16.6
Other**	55,495	1,406	39,147	56,901	40,554	40.3
Europe Total	2,457,599	2,995,867	3,656,506	5,453,466	6,540,896	-16.6
Austria	22	20	-	42	-	-
Belgium	20,811	-	-	20,811	-	-
Bosnia and Herzegovina	20,393	-	-	20,393	-	-
Croatia	-	-	-	-	12,081	-
Finland	101	-	14,330	101	14,330	-99.3
France	77,944	-	-	77,944	187,634	-58.5
Germany, Federal Republic of	284,273	379,032	672,232	663,305	902,141	-26.5
Greece	22,460	83,940	85,704	106,400	85,704	24.1
Italy	20	287,847	312,690	287,867	548,406	-47.5
Netherlands	1,685,258	1,392,407	1,164,383	3,077,665	2,333,956	31.9
Norway	-	1	-	1	-	-
Poland	156,287	80,750	269,544	237,037	353,735	-33.0
Portugal	82,673	260,407	173,303	343,080	321,208	6.8
Romania	-	-	-	-	41,201	-
Slovakia	20	19	-	39	23	69.6
Slovenia	-	59,778	-	59,778	-	-
Spain	1,818	112,059	277,826	113,877	472,696	-75.9
Sweden	-	-	34,074	-	34,074	-
Turkey	194	84,444	251,977	84,638	390,303	-78.3
Ukraine	-	-	-	-	110,735	-
United Kingdom	105,039	254,662	399,885	359,701	731,780	-50.8
Other**	286	501	558	787	889	-11.5
Asia Total	4,796,582	4,788,121	6,446,802	9,584,703	12,423,468	-22.9
China	579	1,425	2,216	2,004	182,219	-98.9
India	2,460,187	3,003,943	2,923,202	5,464,130	5,920,901	-7.7
Japan	1,082,423	1,017,926	1,179,621	2,100,349	1,915,798	9.6
Jordan	-	-	59,039	-	59,039	-
Pakistan	61	-	131,195	61	131,210	-100.0
South Korea (Republic of Korea)	1,248,829	761,311	1,902,015	2,010,140	3,821,672	-47.4
Thailand	332	55	245,960	387	386,068	-99.9
Other**	4,171	3,461	3,554	7,632	6,561	16.3
Australia and Oceania Total	42	1,083	91	1,125	212	430.7
Other**	42	1,083	91	1,125	212	430.7
Africa Total	1,722,920	1,653,999	1,616,409	3,376,919	3,397,691	-0.6
Egypt	1,294,478	996,656	1,238,564	2,291,134	1,966,552	16.5
Ghana	28,233	-	-	28,233	27,558	2.4
Morocco	367,095	559,313	305,924	926,408	1,297,976	-28.6

Continent and country of destination	April - June 2019	January - March 2019	April - June 2018	Year to date		Percent change
				2019	2018	
Senegal	33,069	-	-	33,069	33,069	s
South Africa	-	-	136	-	471	-
Togo	-	98,030	54,046	98,030	54,046	81.4
Other**	45	-	17,739	45	18,019	-99.8
Total	10,174,146	11,346,440	13,930,480	21,520,586	26,276,510	-18.1

* 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	April - June 2019	January - March 2019	April - June 2018	Year to date		Percent change
				2019	2018	
North America Total	68.17	52.37	54.38	58.44	51.54	13.4
Canada*	91.81	72.42	123.11	82.57	104.05	-20.6
Dominica	-	-	-	-	45.32	-
Dominican Republic	77.61	79.49	63.80	78.39	63.80	22.9
Guatemala	68.98	70.21	48.73	69.95	59.37	17.8
Honduras	61.29	63.90	52.68	62.64	51.79	20.9
Jamaica	63.50	88.95	54.50	75.79	54.50	39.1
Mexico	49.16	38.31	38.32	41.39	36.98	11.9
Panama	-	-	54.48	-	54.46	-
Trinidad and Tobago	401.36	1,400.00	181.72	415.14	181.49	128.7
Other**	401.13	157.91	244.08	270.59	353.05	-23.4
South America Total	61.09	76.02	85.67	70.19	80.05	-12.3
Argentina	342.00	-	172.18	342.00	172.21	98.6
Brazil	163.63	102.70	100.73	106.04	105.74	0.3
Chile	55.20	61.36	68.47	58.69	68.65	-14.5
Other**	69.79	428.37	63.43	78.65	80.21	-1.9
Europe Total	63.76	68.31	68.05	66.26	67.22	-1.4
Austria	471.45	518.60	-	493.90	-	-
Belgium	68.01	-	-	68.01	-	-
Bosnia and Herzegovina	143.33	-	-	143.33	-	-
Croatia	-	-	-	-	63.51	-
Finland	435.38	-	181.17	435.38	181.17	140.3
France	58.97	-	-	58.97	59.11	-0.2
Germany, Federal Republic of	45.01	76.03	61.91	62.74	60.04	4.5
Greece	64.24	62.85	75.27	63.15	75.27	-16.1
Italy	459.00	63.61	63.75	63.64	65.69	-3.1
Netherlands	65.22	62.96	64.45	64.20	64.86	-1.0
Norway	-	2,700.00	-	2,700.00	-	-
Poland	63.50	59.01	96.49	61.97	89.85	-31.0
Portugal	108.86	97.86	63.40	100.51	61.36	63.8
Romania	-	-	-	-	63.50	-
Slovakia	1,970.40	2,489.42	-	2,223.26	2,044.35	8.8
Slovenia	-	70.76	-	70.76	-	-
Spain	297.06	93.00	67.13	96.26	74.42	29.3
Sweden	-	-	181.16	-	181.16	-
Turkey	537.99	63.78	54.29	64.86	60.94	6.4
Ukraine	-	-	-	-	63.50	-
United Kingdom	37.12	55.79	69.14	50.34	69.43	-27.5
Other**	100.48	76.24	94.35	85.05	94.69	-10.2
Asia Total	70.22	74.03	63.33	72.12	60.04	20.1
China	257.03	233.65	287.15	240.41	37.07	NM
India	74.60	80.69	76.08	77.95	69.06	12.9
Japan	82.27	85.53	71.01	83.85	72.84	15.1
Jordan	-	-	69.17	-	69.17	-
Pakistan	167.79	-	53.71	167.79	53.73	212.3
South Korea (Republic of Korea)	50.86	31.75	37.61	43.62	39.70	9.9
Thailand	357.42	347.89	74.81	356.07	69.58	411.7
Other**	100.03	134.08	118.25	115.47	155.71	-25.8
Australia and Oceania Total	201.14	142.71	533.29	144.90	380.00	-61.9
Other**	201.14	142.71	533.29	144.90	380.00	-61.9
Africa Total	61.58	63.73	63.24	62.64	63.09	-0.7
Egypt	58.60	63.40	63.07	60.68	63.55	-4.5
Ghana	63.51	-	-	63.51	51.71	22.8
Morocco	71.76	63.32	60.56	66.67	61.99	7.5

Continent and country of destination	April - June 2019	January - March 2019	April - June 2018	Year to date		Percent change
				2019	2018	
Senegal	63.50	-	-	63.50	51.71	22.8
South Africa	-	-	544.67	-	550.45	-
Togo	-	69.46	63.50	69.46	63.50	9.4
Other**	353.07	-	116.54	353.07	117.80	199.7
Total	66.73	68.42	63.93	67.62	61.66	9.7

* 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	April - June 2019	January - March 2019	April - June 2018	Year to date		Percent change
				2019	2018	
North America Total	1,653,667	278,482	1,586,154	1,932,149	2,198,369	-12.1
Canada*	1,423,313	33,612	1,454,584	1,456,925	1,735,751	-16.1
Dominican Republic	-	68,343	-	68,343	-	-
Mexico	109,243	55,273	131,570	164,516	462,618	-64.4
Trinidad and Tobago	121,111	121,254	-	242,365	-	-
South America Total	2,164,547	1,915,776	2,180,919	4,080,323	4,690,279	-13.0
Argentina	93,366	84,037	46,489	177,403	311,865	-43.1
Brazil	2,071,181	1,831,739	2,134,430	3,902,920	4,378,414	-10.9
Europe Total	6,478,226	6,375,477	7,553,553	12,853,703	13,657,266	-5.9
Austria	672,061	677,248	177,483	1,349,309	274,072	392.3
Belgium	170,337	131,469	310,133	301,806	611,394	-50.6
Croatia	410,686	574,776	484,825	985,462	1,225,341	-19.6
Finland	156,756	-	125,862	156,756	125,862	24.5
France	258,273	378,938	402,445	637,211	735,136	-13.3
Germany, Federal Republic of	186,486	154,878	362,543	341,364	935,655	-63.5
Italy	470,884	563,142	527,970	1,034,026	1,015,291	1.8
Netherlands	1,282,921	1,788,411	1,692,254	3,071,332	2,718,777	13.0
Norway	17,656	7,141	16,100	24,797	32,513	-23.7
Poland	278,823	331,345	265,305	610,168	654,796	-6.8
Portugal	87,435	90,941	82,959	178,376	82,959	115.0
Romania	169,210	77,162	99,428	246,372	144,339	70.7
Slovakia	61,148	11,023	-	72,171	55,116	30.9
Slovenia	-	-	88,661	-	127,242	-
Spain	186,549	140,692	138,800	327,241	372,981	-12.3
Sweden	120,674	147,029	183,433	267,703	268,422	-0.3
Turkey	442,446	164,847	1,043,657	607,293	1,466,049	-58.6
Ukraine	1,337,875	868,700	1,300,375	2,206,575	2,207,109	s
United Kingdom	143,847	267,735	251,320	411,582	604,212	-31.9
Other**	24,159	-	-	24,159	-	-
Asia Total	3,989,701	4,379,290	4,858,295	8,368,991	10,160,913	-17.6
China	301,086	434,310	1,016,744	735,396	1,855,393	-60.4
India	1,186,234	1,384,168	1,909,611	2,570,402	4,065,875	-36.8
Japan	1,961,394	1,675,018	1,288,561	3,636,412	3,012,424	20.7
South Korea (Republic of Korea)	522,248	885,694	643,074	1,407,942	1,226,916	14.8
Thailand	-	100	153	100	153	-34.6
Other**	18,739	-	152	18,739	152	NM
Africa Total	855,113	914,537	766,206	1,769,650	1,113,046	59.0
Egypt	196,841	140,940	265,953	337,781	265,953	27.0
Morocco	579,457	773,597	500,253	1,353,054	847,093	59.7
South Africa	78,815	-	-	78,815	-	-
Total	15,141,254	13,863,562	16,945,127	29,004,816	31,819,873	-8.8

* 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.

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 12. Average price of U.S. metallurgical coal exports

(dollars per short ton)

Continent and country of destination	April - June 2019	January - March 2019	April - June 2018	Year to date		Percent change
				2019	2018	
North America Total	130.92	143.99	120.00	132.80	110.53	20.1
Canada*	125.93	132.02	113.42	126.07	112.75	11.8
Dominican Republic	-	108.86	-	108.86	-	-
Mexico	166.10	164.28	192.69	165.49	102.21	61.9
Trinidad and Tobago	157.85	157.85	-	157.85	-	-
South America Total	146.76	150.03	134.68	148.29	141.69	4.7
Argentina	175.99	173.84	163.14	174.97	182.27	-4.0
Brazil	145.44	148.94	134.06	147.08	138.80	6.0
Europe Total	156.40	152.30	143.34	154.36	145.98	5.7
Austria	173.78	183.44	174.34	178.63	179.72	-0.6
Belgium	183.71	183.58	161.50	183.65	161.00	14.1
Croatia	159.76	172.13	156.55	166.97	147.34	13.3
Finland	185.04	-	137.80	185.04	137.80	34.3
France	160.36	154.02	160.99	156.59	159.57	-1.9
Germany, Federal Republic of	160.56	111.30	147.28	138.21	171.14	-19.2
Italy	121.12	138.00	159.96	130.32	160.87	-19.0
Netherlands	147.31	129.03	112.08	136.66	106.95	27.8
Norway	140.90	152.56	132.22	144.26	143.16	0.8
Poland	134.78	143.32	181.68	139.42	167.57	-16.8
Portugal	108.86	68.04	63.50	88.05	63.50	38.7
Romania	111.37	160.70	68.53	126.82	91.89	38.0
Slovakia	134.62	129.85	-	133.89	143.87	-6.9
Slovenia	-	-	63.50	-	63.50	-
Spain	178.35	168.12	151.03	173.95	152.87	13.8
Sweden	162.97	156.55	136.44	159.44	150.87	5.7
Turkey	137.38	155.58	139.02	142.32	137.95	3.2
Ukraine	174.77	180.16	165.95	176.89	168.18	5.2
United Kingdom	172.49	157.52	163.93	162.75	159.97	1.7
Other**	168.47	-	-	168.47	-	-
Asia Total	136.34	146.65	137.13	141.73	143.60	-1.3
China	108.86	108.86	129.96	108.86	137.99	-21.1
India	136.68	149.83	134.29	143.76	142.52	0.9
Japan	144.36	160.99	153.61	152.02	153.69	-1.1
South Korea (Republic of Korea)	124.17	133.09	123.94	129.78	130.88	-0.8
Thailand	-	152.54	99.66	152.54	99.66	53.1
Other**	55.61	-	100.00	55.61	100.00	-44.4
Africa Total	82.04	71.26	84.26	76.47	78.13	-2.1
Egypt	103.93	116.17	121.94	109.04	121.94	-10.6
Morocco	67.26	63.08	64.23	64.87	64.38	0.8
South Africa	136.08	-	-	136.08	-	-
Total	142.75	144.69	135.59	143.68	139.76	2.8

* 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.

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	April - June 2019	January - March 2019	April - June 2018	Year to date		Percent change
				2019	2018	
Eastern Total	15,699,653	15,412,547	18,738,392	31,112,200	34,040,186	-8.6
Baltimore, MD	6,160,592	6,451,676	5,875,327	12,612,268	11,419,207	10.4
Buffalo, NY	1,024,982	2,255	1,012,309	1,027,237	1,073,226	-4.3
New York City, NY	2,739	1,818	2,665	4,557	87,644	-94.8
Norfolk, VA	8,477,510	8,936,176	11,804,309	17,413,686	21,397,725	-18.6
Ogdensburg, NY	24,262	11,529	34,734	35,791	43,738	-18.2
Philadelphia, PA	9,310	8,958	8,822	18,268	17,982	1.6
Portland, ME	258	30	139	288	442	-34.8
St. Albans, VT	-	105	42	105	177	-40.7
Washington, DC	-	-	45	-	45	-
Southern Total	6,950,162	7,695,614	8,080,295	14,645,776	16,627,764	-11.9
Charleston, SC	161	-	103	161	178	-9.6
Dallas/Fort Worth, TX	-	-	-	-	83	-
El Paso, TX	52,908	60,899	38,185	113,807	84,969	33.9
Houston-Galveston, TX	110,331	337,589	169,112	447,920	536,221	-16.5
Laredo, TX	219,917	522,386	605,406	742,303	1,172,826	-36.7
Miami, FL	406	920	1,536	1,326	3,217	-58.8
Mobile, AL	3,423,009	2,905,721	2,521,263	6,328,730	5,608,838	12.8
New Orleans, LA	3,089,309	3,867,073	4,742,877	6,956,382	9,158,701	-24.0
Port Arthur, TX	54,013	-	-	54,013	60,627	-10.9
Savannah, GA	88	992	1,194	1,080	1,485	-27.3
Tampa, FL	20	34	619	54	619	-91.3
Western Total	2,201,936	2,055,480	3,453,152	4,257,416	6,505,626	-34.6
Anchorage, AK	-	-	50	-	50	-
Great Falls, MT	134	177	562	311	2,281	-86.4
Honolulu, HI	-	-	-	-	1	-
Los Angeles, CA	341,588	347,868	363,000	689,456	669,543	3.0
Nogales, AZ	15,076	276,078	368,037	291,154	625,104	-53.4
Portland, OR	-	-	-	-	3	-
San Diego, CA	234	22	280	256	440	-41.8
San Francisco, CA	717,663	669,282	843,091	1,386,945	1,577,244	-12.1
Seattle, WA	1,127,241	762,053	1,878,132	1,889,294	3,630,960	-48.0
Northern Total	450,336	38,705	599,896	489,041	915,452	-46.6
Chicago, IL	42	22	-	64	-	-
Cleveland, OH	408,286	30,229	416,268	438,515	637,563	-31.2
Detroit, MI	36,334	6,313	109,219	42,647	131,729	-67.6
Duluth, MN	39	-	2,553	39	3,725	-99.0
Minneapolis, MN	-	-	67,903	-	135,585	-
Pembina, ND	5,635	2,141	3,953	7,776	6,850	13.5
Other Ports	13,313	7,656	3,872	20,969	7,355	185.1
Total	25,315,400	25,210,002	30,875,607	50,525,402	58,096,383	-13.0

- = No data reported.

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

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

Table 14. Steam coal exports by customs district

(short tons)

Customs district	April - June 2019	January - March 2019	April - June 2018	Year to date		Percent change
				2019	2018	
Eastern Total	4,274,073	4,492,415	4,750,953	8,766,488	8,856,041	-1.0
Baltimore, MD	3,590,024	3,414,113	3,067,299	7,004,137	5,635,002	24.3
Buffalo, NY	1,739	2,060	2,655	3,799	5,189	-26.8
New York City, NY	2,739	1,818	2,577	4,557	87,556	-94.8
Norfolk, VA	648,086	1,056,786	1,651,838	1,704,872	3,084,268	-44.7
Ogdensburg, NY	21,917	8,650	17,557	30,567	25,422	20.2
Philadelphia, PA	9,310	8,958	8,822	18,268	17,982	1.6
Portland, ME	258	30	139	288	442	-34.8
St. Albans, VT	-	-	21	-	135	-
Washington, DC	-	-	45	-	45	-
Southern Total	3,632,433	4,782,617	5,550,339	8,415,050	10,641,392	-20.9
Charleston, SC	-	-	103	-	178	-
El Paso, TX	52,890	60,899	38,185	113,789	84,969	33.9
Houston-Galveston, TX	110,331	337,589	169,112	447,920	536,221	-16.5
Laredo, TX	218,490	521,677	583,075	740,167	1,140,181	-35.1
Miami, FL	406	920	1,536	1,326	3,217	-58.8
Mobile, AL	301,163	116,417	152,055	417,580	230,891	80.9
New Orleans, LA	2,895,032	3,744,189	4,604,612	6,639,221	8,583,306	-22.6
Port Arthur, TX	54,013	-	-	54,013	60,627	-10.9
Savannah, GA	88	892	1,042	980	1,183	-17.2
Tampa, FL	20	34	619	54	619	-91.3
Western Total	2,201,716	2,055,480	3,453,152	4,257,196	6,505,626	-34.6
Anchorage, AK	-	-	50	-	50	-
Great Falls, MT	134	177	562	311	2,281	-86.4
Honolulu, HI	-	-	-	-	1	-
Los Angeles, CA	341,368	347,868	363,000	689,236	669,543	2.9
Nogales, AZ	15,076	276,078	368,037	291,154	625,104	-53.4
Portland, OR	-	-	-	-	3	-
San Diego, CA	234	22	280	256	440	-41.8
San Francisco, CA	717,663	669,282	843,091	1,386,945	1,577,244	-12.1
Seattle, WA	1,127,241	762,053	1,878,132	1,889,294	3,630,960	-48.0
Northern Total	55,303	8,272	172,164	63,575	266,096	-76.1
Chicago, IL	42	22	-	64	-	-
Cleveland, OH	31,238	11	60,517	31,249	60,537	-48.4
Detroit, MI	18,349	6,098	67,215	24,447	89,615	-72.7
Duluth, MN	39	-	2,553	39	3,725	-99.0
Minneapolis, MN	-	-	38,141	-	105,823	-
Pembina, ND	5,635	2,141	3,738	7,776	6,396	21.6
Other Ports	10,621	7,656	3,872	18,277	7,355	148.5
Total	10,174,146	11,346,440	13,930,480	21,520,586	26,276,510	-18.1

- = 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 15. Metallurgical coal exports by customs district

(short tons)

Customs district	April - June 2019	January - March 2019	April - June 2018	Year to date		Percent change
				2019	2018	
Eastern Total	11,425,580	10,920,132	13,987,439	22,345,712	25,184,145	-11.3
Baltimore, MD	2,570,568	3,037,563	2,808,028	5,608,131	5,784,205	-3.0
Buffalo, NY	1,023,243	195	1,009,654	1,023,438	1,068,037	-4.2
New York City, NY	-	-	88	-	88	-
Norfolk, VA	7,829,424	7,879,390	10,152,471	15,708,814	18,313,457	-14.2
Ogdensburg, NY	2,345	2,879	17,177	5,224	18,316	-71.5
St. Albans, VT	-	105	21	105	42	150.0
Southern Total	3,317,729	2,912,997	2,529,956	6,230,726	5,986,372	4.1
Charleston, SC	161	-	-	161	-	-
Dallas/Fort Worth, TX	-	-	-	-	83	-
El Paso, TX	18	-	-	18	-	-
Laredo, TX	1,427	709	22,331	2,136	32,645	-93.5
Mobile, AL	3,121,846	2,789,304	2,369,208	5,911,150	5,377,947	9.9
New Orleans, LA	194,277	122,884	138,265	317,161	575,395	-44.9
Savannah, GA	-	100	152	100	302	-66.9
Western Total	220	-	-	220	-	-
Los Angeles, CA	220	-	-	220	-	-
Northern Total	395,033	30,433	427,732	425,466	649,356	-34.5
Cleveland, OH	377,048	30,218	355,751	407,266	577,026	-29.4
Detroit, MI	17,985	215	42,004	18,200	42,114	-56.8
Minneapolis, MN	-	-	29,762	-	29,762	-
Pembina, ND	-	-	215	-	454	-
Other Ports	2,692	-	-	2,692	-	-
Total	15,141,254	13,863,562	16,945,127	29,004,816	31,819,873	-8.8

- = 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	April - June 2019	January - March 2019	April - June 2018	Year to date		Percent change
				2019	2018	
North America Total	221,695	164,560	214,950	386,255	468,405	-17.5
Canada*	192,127	134,055	155,033	326,182	328,838	-0.8
Mexico	29,426	30,269	59,481	59,695	138,997	-57.1
Other**	142	236	436	378	570	-33.7
South America Total	23	20	-	43	21	104.8
Other**	23	20	-	43	21	104.8
Europe Total	148	246	70,417	394	100,452	-99.6
Other**	148	246	7,883	394	37,918	-99.0
Ukraine	-	-	62,534	-	62,534	-
Asia Total	428	225	363	653	715	-8.7
Other**	428	225	363	653	715	-8.7
Australia and Oceania Total	125	45	107	170	181	-6.1
Other**	125	45	107	170	181	-6.1
Africa Total	-	25,165	-	25,165	20,478	22.9
Other**	-	25,165	-	25,165	20,478	22.9
Total	222,419	190,261	285,837	412,680	590,252	-30.1

* 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.

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	April - June 2019	January - March 2019	April - June 2018	Year to date		Percent change
				2019	2018	
North America Total	297.47	305.61	307.65	300.93	278.01	8.2
Canada*	297.53	298.00	294.28	297.72	266.74	11.6
Mexico	295.17	337.04	340.41	316.40	303.44	4.3
Other**	688.65	597.28	588.82	631.60	583.71	8.2
South America Total	666.43	522.00	-	599.26	501.14	19.6
Other**	666.43	522.00	-	599.26	501.14	19.6
Europe Total	386.76	412.60	237.94	402.89	238.85	68.7
Other**	386.76	412.60	153.58	402.89	222.82	80.8
Ukraine	-	-	248.57	-	248.57	-
Asia Total	854.18	1,021.99	779.37	912.00	725.97	25.6
Other**	854.18	1,021.99	779.37	912.00	725.97	25.6
Australia and Oceania Total	410.98	489.02	307.93	431.64	314.61	37.2
Other**	410.98	489.02	307.93	431.64	314.61	37.2
Africa Total	-	90.72	-	90.72	90.72	s
Other**	-	90.72	-	90.72	90.72	s
Total	298.70	278.24	291.07	289.26	265.41	9.0

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

** Includes countries with coal exports less than or equal to 50,000 short tons in 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	April - June 2019	January - March 2019	April - June 2018	Year to date		Percent change
				2019	2018	
North America Total	233,437	146,996	210,835	380,433	316,084	20.4
Canada	233,037	146,411	210,538	379,448	315,641	20.2
Mexico	400	585	297	985	443	122.3
South America Total	1,147,417	1,305,247	1,057,937	2,452,664	2,090,797	17.3
Brazil	24	-	-	24	-	-
Colombia	1,147,247	1,305,247	1,057,691	2,452,494	2,090,551	17.3
Peru	146	-	246	146	246	-40.7
Europe Total	515	33,415	307	33,930	27,731	22.4
Germany, Federal Republic of	370	375	217	745	234	218.4
Greece	8	-	-	8	-	-
Russia	-	32,988	60	32,988	90	NM
Ukraine	-	-	-	-	27,377	-
United Kingdom	137	52	30	189	30	NM
Asia Total	198,132	203,141	277,321	401,273	478,750	-16.2
China	10,533	5,037	3,978	15,570	8,940	74.2
Hong Kong	-	-	7,693	-	7,693	-
Indonesia	187,599	198,104	265,469	385,703	461,926	-16.5
Japan	-	-	-	-	10	-
Philippines	-	-	181	-	181	-
Africa Total	24,251	-	-	24,251	-	-
South Africa	24,251	-	-	24,251	-	-
Total	1,603,752	1,688,799	1,546,400	3,292,551	2,913,362	13.0

- = No data reported.

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

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

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

Table 19. Average price of U.S. coal imports

(dollars per short ton)

Continent and country of origin	April - June 2019	January - March 2019	April - June 2018	Year to date		Percent change
				2019	2018	
North America Total	195.71	190.36	212.53	193.64	202.24	-4.3
Canada	195.79	190.57	212.64	193.78	202.27	-4.2
Mexico	144.70	135.75	136.53	139.38	176.62	-21.1
South America Total	64.35	65.86	59.36	65.15	58.87	10.7
Brazil	308.46	-	-	308.46	-	-
Colombia	64.32	65.86	59.31	65.14	58.85	10.7
Peru	267.76	-	260.17	267.76	260.17	2.9
Europe Total	78.05	173.37	144.20	171.93	107.92	59.3
Germany, Federal Republic of	74.89	74.69	74.95	74.79	79.12	-5.5
Greece	284.00	-	-	284.00	-	-
Russia	-	174.23	304.73	174.23	266.71	-34.7
Ukraine	-	-	-	-	107.41	-
United Kingdom	74.56	342.21	324.00	148.20	324.00	-54.3
Asia Total	68.02	62.58	74.37	65.27	75.16	-13.2
China	172.54	77.31	260.72	141.73	206.41	-31.3
Hong Kong	-	-	74.93	-	74.93	-
Indonesia	62.15	62.20	71.57	62.18	72.62	-14.4
Japan	-	-	-	-	221.00	-
Philippines	-	-	65.78	-	65.78	-
Africa Total	120.65	-	-	120.65	-	-
South Africa	120.65	-	-	120.65	-	-
U.S. Total*	84.78	78.43	82.95	81.52	77.57	5.1

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

- = No data reported.

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

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

Table 20. Coal imports by customs district

(short tons)

Customs district	April - June 2019	January - March 2019	April - June 2018	Year to date		Percent change
				2019	2018	
Eastern Total	83,141	36,578	68,551	119,719	146,382	-18.2
Baltimore, MD	-	-	515	-	515	-
Boston, MA	-	-	67,241	-	67,241	-
Buffalo, NY	45	158	41	203	175	16.0
New York City, NY	311	44	754	355	771	-54.0
Portland, ME	82,785	36,376	-	119,161	77,680	53.4
Southern Total	1,099,116	1,306,830	1,068,376	2,405,946	2,055,740	17.0
Houston-Galveston, TX	804	-	2,717	804	4,029	-80.0
Laredo, TX	11	-	7	11	57	-80.7
Miami, FL	67	33,760	37,336	33,827	71,105	-52.4
Mobile, AL	607,006	702,655	575,437	1,309,661	1,288,870	1.6
New Orleans, LA	12,617	37,959	7,041	50,576	10,464	383.3
San Juan, PR	369,622	423,570	376,688	793,192	518,151	53.1
Savannah, GA	22	-	-	22	-	-
Tampa, FL	108,967	108,886	69,150	217,853	163,064	33.6
Western Total	255,095	255,587	272,662	510,682	506,330	0.9
Columbia-Snake, OR	-	-	181	-	181	-
Great Falls, MT	64,268	53,333	73,799	117,601	110,179	6.7
Honolulu, HI	187,599	198,104	198,228	385,703	394,685	-2.3
Nogales, AZ	389	585	290	974	386	152.3
San Francisco, CA	-	31	60	31	90	-65.6
Seattle, WA	2,839	3,534	104	6,373	809	NM
Northern Total	166,400	89,804	136,811	256,204	204,910	25.0
Chicago, IL	8	22	-	30	215	-86.0
Cleveland, OH	370	375	217	745	217	243.3
Detroit, MI	97,470	35,200	95,144	132,670	96,591	37.4
Duluth, MN	1,002	201	179	1,203	808	48.9
Pembina, ND	67,550	54,006	41,271	121,556	107,079	13.5
Total	1,603,752	1,688,799	1,546,400	3,292,551	2,913,362	13.0

- = No data reported.

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

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

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

Table 21. U.S. coke imports

(short tons)

Continent and country of origin	April - June 2019	January - March 2019	April - June 2018	Year to date		Percent change
				2019	2018	
North America Total	10,470	2,376	22,317	12,846	22,534	-43.0
Canada	10,470	2,376	22,317	12,846	22,534	-43.0
South America Total	12,100	-	32,031	12,100	32,031	-62.2
Chile	12,100	-	16,819	12,100	16,819	-28.1
Colombia	-	-	15,212	-	15,212	-
Europe Total	11,472	505	8,596	11,977	8,611	39.1
Czech Republic	-	-	8,284	-	8,284	-
Germany, Federal Republic of	-	-	105	-	105	-
Italy	147	501	196	648	196	230.6
Poland	11,322	-	-	11,322	-	-
United Kingdom	3	4	11	7	26	-73.1
Asia Total	776	680	828	1,456	1,530	-4.8
China	-	72	-	72	48	50.0
Indonesia	-	-	28	-	56	-
Japan	776	608	800	1,384	1,426	-2.9
Africa Total	5,197	2,551	3,850	7,748	7,158	8.2
Egypt	14	-	14	14	14	s
South Africa	5,183	2,551	3,836	7,734	7,144	8.3
U.S. Total	40,015	6,112	67,622	46,127	71,864	-35.8

- = 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 IM 145.'

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

(dollars per short ton)

Continent and country of origin	April - June 2019	January - March 2019	April - June 2018	Year to date		Percent change
				2019	2018	
North America Total	239.18	222.37	298.85	236.07	297.40	-20.6
Canada	239.18	222.37	298.85	236.07	297.40	-20.6
South America Total	185.00	-	100.33	185.00	100.33	84.4
Chile	185.00	-	122.96	185.00	122.96	50.5
Colombia	-	-	75.30	-	75.30	-
Europe Total	345.25	377.02	327.85	346.59	328.69	5.4
Czech Republic	-	-	326.57	-	326.57	-
Germany, Federal Republic of	-	-	454.30	-	454.30	-
Italy	372.50	372.05	286.97	372.15	286.97	29.7
Poland	344.73	-	-	344.73	-	-
United Kingdom	1,000.00	1,000.00	818.18	1,000.00	811.54	23.2
Asia Total	317.30	373.53	347.61	343.56	361.58	-5.0
China	-	848.86	-	848.86	707.71	19.9
Indonesia	-	-	1,206.79	-	1,183.13	-
Japan	317.30	317.24	317.54	317.27	317.66	-0.1
Africa Total	587.88	568.68	471.57	581.56	432.80	34.4
Egypt	2,997.93	-	3,405.00	2,997.93	3,405.00	-12.0
South Africa	581.37	568.68	460.86	577.18	426.98	35.2
U.S. Total	300.01	396.51	218.93	312.80	228.16	37.1

- = 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	April - June 2019	January - March 2019	April - June 2018	Year to date		Percent change
				2019	2018	
Middle Atlantic	1,441	1,537	1,434	2,978	2,708	10.0
East North Central	2,834	2,383	2,567	5,217	4,599	13.4
South Atlantic	427	504	428	931	846	10.1
East South Central	247	291	306	538	634	-15.1
U.S. Total	4,949	4,715	4,735	9,665	8,786	10.0

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

(dollars per short ton)

Census division	April - June 2019	January - March 2019	April - June 2018	Year to date		Percent change
				2019	2018	
Middle Atlantic	w	w	w	w	w	w
East North Central	161.17	152.97	136.24	157.43	137.17	14.8
South Atlantic	w	w	w	w	w	w
East South Central	w	w	w	w	w	w
U.S. Total	148.87	142.19	126.85	145.61	127.64	14.1

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	April - June 2019	January - March 2019	April - June 2018	Year to date		Percent change
				2019	2018	
Coke						
Sales	1,638	1,599	1,746	3,237	3,394	-4.6
Average Price	345.08	337.48	303.39	341.33	301.82	13.1
Breeze						
Sales	123	103	145	226	247	-8.6
Average Price	93.81	93.55	94.32	93.69	89.12	5.1

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.'

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

(thousand short tons)

Census division and state	April - June 2019	January - March 2019	April - June 2018	Year to date		Percent change
				2019	2018	
New England	4	7	5	11	14	-22.3
Maine	3	6	4	9	12	-25.2
Massachusetts	1	1	1	2	2	-2.5
Middle Atlantic	241	187	233	428	471	-9.1
New York	110	46	89	156	178	-12.4
Pennsylvania	131	141	144	272	293	-7.1
East North Central	1,445	1,395	1,719	2,840	3,159	-10.1
Illinois	522	682	741	1,204	1,338	-10.0
Indiana	446	328	422	773	808	-4.3
Michigan	176	65	213	242	326	-25.9
Ohio	104	121	126	226	265	-15.0
Wisconsin	197	199	217	396	422	-6.1
West North Central	2,713	2,879	2,834	5,592	5,895	-5.1
Iowa	536	590	603	1,126	1,206	-6.6
Kansas	21	32	18	54	44	21.1
Minnesota	214	308	199	522	399	30.7
Missouri	199	198	204	398	405	-1.9
Nebraska	241	242	248	483	570	-15.2
North Dakota	1,415	1,454	1,505	2,869	3,170	-9.5
South Dakota	86	54	56	140	100	39.9
South Atlantic	705	766	684	1,470	1,418	3.7
Florida	134	145	103	279	232	19.9
Georgia	67	117	78	185	185	-0.1
Maryland	148	119	144	267	256	4.0
North Carolina	97	107	95	204	212	-3.5
South Carolina	45	51	51	96	95	1.4
Virginia	108	130	119	238	251	-5.0
West Virginia	106	96	93	202	188	7.7
East South Central	699	716	804	1,415	1,584	-10.6
Alabama	215	222	237	438	464	-5.6
Kentucky	180	187	198	366	378	-3.1
Tennessee	304	307	369	612	742	-17.6
West South Central	259	288	342	547	679	-19.5
Arkansas	31	45	37	76	94	-19.2
Louisiana	44	53	66	97	124	-21.8
Oklahoma	45	82	87	127	199	-36.4
Texas	139	108	151	247	261	-5.5
Mountain	723	769	728	1,492	1,559	-4.3
Arizona	96	57	63	153	137	11.3
Colorado	41	66	36	107	114	-6.3
Idaho	2	13	24	15	42	-64.0
Montana	34	41	45	75	111	-32.8
Nevada	59	74	81	134	148	-9.8
New Mexico	16	15	18	31	32	-2.5
Utah	89	86	106	175	195	-10.3
Wyoming	385	417	355	802	779	3.0
Pacific	388	380	373	768	749	2.6
Alaska	s	s	s	1	1	s
California	351	346	338	698	684	2.1
Oregon	10	17	13	27	28	-3.2
Washington	26	17	22	42	36	17.3
U.S. Total	7,176	7,388	7,722	14,564	15,528	-6.2

- = 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	April - June 2019	January - March 2019	April - June 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	84.79	86.43	100.02	85.51	94.08	-9.1
New York	w	w	w	w	w	w
Pennsylvania	w	w	w	w	w	w
East North Central	80.17	73.17	69.98	76.73	71.32	7.6
Illinois	w	45.99	w	w	w	w
Indiana	w	106.51	w	w	w	w
Michigan	99.17	106.82	81.36	101.23	84.43	19.9
Ohio	96.76	99.00	104.59	97.96	101.89	-3.9
Wisconsin	84.72	84.69	84.19	84.70	83.39	1.6
West North Central	28.38	30.01	29.19	29.22	28.66	2.0
Iowa	34.30	37.40	40.56	35.92	40.69	-11.7
Kansas	w	w	w	w	w	w
Minnesota	48.05	50.18	48.24	49.30	48.70	1.2
Missouri	54.75	52.54	49.64	53.65	51.06	5.1
Nebraska	w	24.46	27.70	w	w	w
North Dakota	w	w	w	w	w	w
South Dakota	w	w	w	w	w	w
South Atlantic	102.69	101.98	96.10	102.32	99.35	3.0
Florida	113.94	114.96	108.64	114.47	111.47	2.7
Georgia	117.70	99.65	99.76	106.23	100.14	6.1
Maryland	w	w	w	w	w	w
North Carolina	107.27	109.68	96.39	108.54	96.70	12.2
South Carolina	99.65	100.14	95.88	99.91	101.07	-1.1
Virginia	103.20	94.70	87.97	98.56	89.70	9.9
West Virginia	w	w	w	w	w	w
East South Central	95.36	96.75	87.08	96.07	87.29	10.1
Alabama	94.81	102.36	94.44	98.65	95.89	2.9
Kentucky	100.38	100.28	89.27	100.33	90.12	11.3
Tennessee	92.78	90.56	81.19	91.67	80.47	13.9
West South Central	85.32	75.83	76.50	80.33	74.38	8.0
Arkansas	w	w	w	w	w	w
Louisiana	w	w	w	w	w	w
Oklahoma	106.68	69.79	69.71	82.78	64.69	28.0
Texas	84.66	91.09	87.11	87.47	87.59	-0.1
Mountain	60.28	56.91	57.41	58.54	55.20	6.1
Arizona	w	w	w	w	w	w
Colorado	w	w	59.12	w	w	w
Idaho	w	w	w	w	w	w
Montana	w	49.46	53.28	w	w	w
Nevada	74.26	83.41	78.65	79.35	76.96	3.1
New Mexico	w	w	w	w	w	w
Utah	63.62	54.30	53.67	59.04	53.22	10.9
Wyoming	47.93	46.92	45.84	47.41	45.89	3.3
Pacific	80.81	80.31	88.87	80.56	85.57	-5.9
California	80.70	79.03	89.94	79.87	86.31	-7.5
Oregon	w	w	w	w	w	w
Washington	w	w	w	w	w	w
U.S. Total	62.63	60.74	60.00	61.67	59.19	4.2

- = 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.'

Table 28. U.S. coal receipts at manufacturing plants by North American Industry Classification System (NAICS) code
(thousand short tons)

NAICS code	April - June 2019	January - March 2019	April - June 2018	Year to date		Percent change
				2019	2018	
311 Food Manufacturing	1,588	2,006	1,868	3,594	3,753	-4.2
312 Beverage and Tobacco Product Mfg.	4	5	5	9	11	-20.0
313 Textile Mills	10	26	17	36	50	-26.7
322 Paper Manufacturing	519	687	655	1,206	1,413	-14.7
324 Petroleum and Coal Products	1,321	1,355	1,393	2,676	2,966	-9.8
325 Chemical Manufacturing	794	884	845	1,678	1,787	-6.1
327 Nonmetallic Mineral Products Mfg.	2,033	1,773	2,132	3,806	3,977	-4.3
331 Primary Metal Manufacturing	571	375	517	946	960	-1.4
333 Machinery Manufacturing	10	-	-	10	10	6.0
339 Miscellaneous Manufacturing	325	276	291	601	602	-0.1
U.S. Total	7,176	7,388	7,722	14,564	15,528	-6.2

* 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	April - June 2019	January - March 2019	April - June 2018	Year to date		Percent change
				2019	2018	
311 Food Manufacturing	41.11	42.76	42.86	42.03	42.18	-0.4
312 Beverage and Tobacco Product Mfg.	w	w	w	w	w	w
313 Textile Mills	114.15	114.12	115.48	114.13	113.68	0.4
322 Paper Manufacturing	92.68	88.94	84.69	90.55	82.64	9.6
324 Petroleum and Coal Products	w	w	w	w	w	w
325 Chemical Manufacturing	81.72	78.26	73.88	79.90	73.26	9.1
327 Nonmetallic Mineral Products Mfg.	78.54	78.38	76.28	78.47	76.74	2.3
331 Primary Metal Manufacturing	119.10	135.40	118.07	125.56	123.71	1.5
333 Machinery Manufacturing	w	-	-	w	w	w
339 Miscellaneous Manufacturing	55.07	52.89	53.68	54.07	53.28	1.5
U.S. Total	62.63	60.74	60.00	61.67	59.19	4.2

* Includes coal gasification projects.

** Excludes coke plants.

- = No data reported.

w = Data withheld to avoid disclosure.

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

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

Table 30. Coal receipts at commercial and institutional users by census division and state

(thousand short tons)

Census division and state	April - June 2019	January - March 2019	April - June 2018	Year to date		Percent change
				2019	2018	
Middle Atlantic	1	6	2	7	11	-36.8
Pennsylvania	1	6	2	7	11	-36.8
East North Central	30	62	36	92	110	-16.2
Illinois	21	28	22	50	67	-26.5
Indiana	9	19	14	28	28	1.2
Wisconsin	-	14	-	14	15	-2.1
West North Central	19	63	29	82	89	-7.1
Iowa	16	30	21	46	46	-0.2
Minnesota	s	4	s	5	2	157.6
Missouri	s	5	-	5	6	-9.1
North Dakota	3	24	7	27	35	-24.5
South Atlantic	6	38	9	44	41	6.2
North Carolina	5	31	9	36	32	14.3
Virginia	1	6	1	7	9	-21.0
East South Central	2	2	1	4	4	-14.0
Kentucky	2	2	1	4	4	-14.0
Mountain	s	4	1	4	7	-43.0
Montana	-	-	1	-	1	-
Wyoming	s	4	s	4	6	-30.1
Pacific	96	123	97	219	232	-5.4
Alaska	96	123	97	219	232	-5.4
U.S. Total	155	298	175	452	494	-8.4

- = No data reported.

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

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

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

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	April - June 2019	January - March 2019	April - June 2018	Year to date		Percent change
				2019	2018	
Middle Atlantic	w	106.36	w	w	w	w
Pennsylvania	w	106.36	w	w	w	w
East North Central	56.38	83.93	53.75	74.82	69.78	7.2
Illinois	w	w	w	w	w	w
Indiana	w	w	w	w	w	w
Wisconsin	-	156.94	-	156.94	154.57	1.5
West North Central	84.88	80.33	85.26	81.38	77.34	5.2
Iowa	w	w	w	w	w	w
Minnesota	w	w	w	w	w	w
Missouri	w	w	-	w	w	w
North Dakota	w	w	w	w	w	w
South Atlantic	w	w	w	w	w	w
North Carolina	w	w	w	w	w	w
Virginia	w	142.46	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	79.70	90.16	78.21	86.59	81.52	6.2

- = 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	155,420	4,228	3,473	4,673	8,146	192	162	354	168,149
April - June	144,112	4,610	2,909	4,782	7,691	122	72	194	156,607
July - September	181,691	4,762	2,853	4,738	7,591	127	48	175	194,219
October - December	155,993	4,737	2,999	5,154	8,152	136	113	248	169,131
Total	637,217	18,337	12,233	19,347	31,580	577	395	972	688,105
2019									
January - March	145,014	4,463	3,040	4,742	7,783	166	153	320	157,580
April - June	117,724	4,660	2,707	4,315	7,022	110	66	176	129,582
Total	262,739	9,123	5,748	9,057	14,805	277	219	496	287,162
2018 January - June	299,532	8,838	6,381	9,456	15,837	314	234	548	324,756
2017 January - June	314,799	8,561	6,578	10,063	16,641	315	261	576	340,577

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	April - June 2019	January - March 2019	April - June 2018	Year to date		Percent change
				2019	2018	
Middle Atlantic	1,496	1,358	1,441	2,855	2,676	6.7
East North Central	2,508	2,401	2,445	4,909	4,729	3.8
South Atlantic	413	431	400	844	800	5.5
East South Central	243	272	324	516	633	-18.6
U.S. Total	4,660	4,463	4,610	9,123	8,838	3.2

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

Source: U.S. Energy Information Administration (EIA), Form EIA-3, 'Quarterly Survey of Industrial, Commercial & Institutional Coal Users.' Prior to third quarter 2014, coke plant data was collected under Form EIA-5, 'Quarterly Coal Consumption and Quality Report - Coke Plants.'

Table 34. Coal consumption at other industrial plants by census division and state

(thousand short tons)

Census division and state	April - June 2019	January - March 2019	April - June 2018	Year to date		Percent change
				2019	2018	
New England	5	7	5	11	14	-20.4
Maine	4	6	4	10	12	-19.7
Massachusetts	1	1	1	2	2	-24.5
Middle Atlantic	216	208	229	424	460	-7.9
New York	93	62	94	156	173	-10.2
Pennsylvania	123	145	135	268	286	-6.4
East North Central	1,381	1,594	1,661	2,976	3,214	-7.4
Illinois	517	702	750	1,219	1,333	-8.5
Indiana	430	371	437	801	829	-3.4
Michigan	141	147	146	287	333	-13.7
Ohio	101	124	129	225	268	-16.0
Wisconsin	193	250	199	443	451	-1.7
West North Central	2,689	3,027	2,889	5,716	6,136	-6.8
Iowa	589	583	624	1,172	1,246	-6.0
Kansas	27	17	29	45	49	-8.4
Minnesota	203	365	208	568	535	6.2
Missouri	194	187	208	381	408	-6.6
Nebraska	239	263	257	501	564	-11.1
North Dakota	1,385	1,557	1,510	2,942	3,228	-8.9
South Dakota	53	55	51	108	106	1.8
South Atlantic	671	731	708	1,402	1,441	-2.7
Florida	111	133	123	244	245	-0.3
Georgia	71	95	79	166	185	-10.4
Maryland	138	127	148	265	258	2.6
North Carolina	90	102	96	192	211	-8.9
South Carolina	38	53	47	92	103	-10.6
Virginia	126	131	120	257	252	2.0
West Virginia	96	90	95	186	188	-0.9
East South Central	702	733	795	1,435	1,580	-9.2
Alabama	225	216	251	441	472	-6.4
Kentucky	180	197	193	377	373	1.1
Tennessee	297	320	351	617	735	-16.1
West South Central	260	313	330	573	677	-15.4
Arkansas	38	50	41	88	88	-0.5
Louisiana	46	61	63	107	124	-13.9
Oklahoma	43	79	98	122	205	-40.3
Texas	134	123	128	256	261	-1.6
Mountain	705	802	692	1,507	1,542	-2.3
Arizona	77	63	61	140	131	7.0
Colorado	48	68	37	116	90	29.5
Idaho	7	43	11	50	66	-23.2
Montana	22	58	28	80	104	-23.3
Nevada	67	74	73	141	145	-3.1
New Mexico	15	14	19	30	33	-10.0
Utah	99	80	101	179	183	-2.0
Wyoming	370	401	361	771	792	-2.6
Pacific	393	367	382	761	773	-1.6
Alaska	s	s	s	1	1	s
California	372	331	361	703	706	-0.4
Oregon	2	15	1	17	28	-40.5
Washington	19	21	19	40	38	5.2
U.S. Total	7,022	7,783	7,691	14,805	15,837	-6.5

- = 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	April - June 2019	January - March 2019	April - June 2018	Year to date		Percent change
				2019	2018	
311 Food Manufacturing	1,583	2,116	1,884	3,700	3,879	-4.6
312 Beverage and Tobacco Product Mfg.	4	5	5	9	11	-21.7
313 Textile Mills	12	26	18	38	50	-23.4
322 Paper Manufacturing	513	711	625	1,225	1,431	-14.4
324 Petroleum and Coal Products	1,323	1,402	1,404	2,725	2,975	-8.4
325 Chemical Manufacturing	800	861	869	1,661	1,820	-8.8
327 Nonmetallic Mineral Products Mfg.	1,972	1,907	2,076	3,880	3,997	-2.9
331 Primary Metal Manufacturing	496	462	511	958	1,045	-8.3
333 Machinery Manufacturing	12	3	19	14	28	-49.4
336 Transportation Equipment Mfg.	-	-	-	-	2	-
339 Miscellaneous Manufacturing	306	289	280	596	598	-0.4
U.S. Total	7,022	7,783	7,691	14,805	15,837	-6.5

* 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	April - June 2019	January - March 2019	April - June 2018	Year to date		Percent change
				2019	2018	
Middle Atlantic	1	8	1	9	12	-19.7
Pennsylvania	1	8	1	9	12	-19.7
East North Central	38	60	45	98	122	-20.1
Illinois	22	26	28	48	73	-34.3
Indiana	16	18	18	34	34	1.1
Wisconsin	s	15	-	16	15	0.8
West North Central	26	69	33	95	102	-7.1
Iowa	20	30	21	49	50	-0.6
Minnesota	1	3	s	4	5	-19.1
Missouri	s	6	s	6	6	-0.3
North Dakota	6	29	12	35	41	-14.6
South Atlantic	10	42	15	52	65	-20.3
District of Columbia	-	s	-	s	1	-87.3
North Carolina	9	27	12	36	44	-17.5
Virginia	1	15	3	16	20	-21.9
East South Central	2	3	s	5	5	-2.6
Kentucky	2	3	s	5	5	-2.6
Mountain	s	5	s	5	7	-28.9
Montana	s	1	-	1	2	-25.6
Wyoming	s	4	s	4	6	-30.1
Pacific	98	133	99	231	234	-1.1
Alaska	98	133	99	231	234	-1.1
U.S. Total	176	320	194	496	548	-9.6

- = 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	126,422	1,508	2,891	275	131,096	26,775	157,871
June 30	121,394	1,616	2,896	256	126,162	24,524	150,686
September 30	100,680	1,811	3,023	260	105,774	23,413	129,187
December 31	103,043	1,807	3,258	247	108,355	23,978	132,333
2019							
March 31	97,127	2,005	2,832	221	102,185	23,158*	125,343
June 30	116,480	2,296	2,974	201	121,951	21,878*	143,829

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	June 30, 2019	March 31, 2019	June 30, 2018	Percent change (June 30) 2019 versus 2018
Middle Atlantic	594	622	383	55.3
East North Central	1,272	954	893	42.5
South Atlantic	216	212	196	9.8
East South Central	214	217	144	48.8
U.S. Total	2,296	2,005	1,616	42.1

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.'

Table 39. Coal stocks at other industrial plants by census division and state

(thousand short tons)

Census division and state	June 30, 2019	March 31, 2019	June 30, 2018	Percent change (June 30) 2019 versus 2018
New England	4	5	5	-5.3
Maine	s	1	1	-40.4
Massachusetts	4	4	4	0.5
Middle Atlantic	242	224	239	1.4
New York	87	73	83	4.6
Pennsylvania	155	151	155	-0.3
East North Central	631	583	607	3.9
Illinois	124	119	119	4.4
Indiana	222	219	190	17.1
Michigan	188	153	193	-2.8
Ohio	22	19	20	10.6
Wisconsin	75	73	86	-12.3
West North Central	430	408	455	-5.4
Iowa	66	119	102	-35.6
Kansas	20	25	26	-24.2
Minnesota	49	38	51	-3.5
Missouri	97	93	68	43.9
Nebraska	60	58	58	3.4
North Dakota	76	45	133	-43.2
South Dakota	62	29	17	267.5
South Atlantic	464	421	330	40.5
Florida	128	95	54	136.9
Georgia	78	81	55	41.4
Maryland	15	6	9	62.8
North Carolina	47	42	36	33.4
South Carolina	76	70	60	26.1
Virginia	38	56	57	-32.5
West Virginia	82	71	60	36.5
East South Central	181	188	183	-1.5
Alabama	81	91	78	3.1
Kentucky	19	24	25	-22.7
Tennessee	81	74	81	0.5
West South Central	351	361	386	-9.0
Arkansas	35	41	37	-6.6
Louisiana	4	3	9	-51.9
Oklahoma	87	86	107	-18.4
Texas	225	232	233	-3.5
Mountain	543	507	562	-3.5
Arizona	48	29	33	43.0
Colorado	19	27	43	-56.5
Idaho	213	214	250	-14.7
Montana	38	27	49	-23.2
Nevada	28	32	33	-13.2
New Mexico	3	2	2	70.4
Utah	49	46	70	-30.2
Wyoming	145	129	82	76.4
Pacific	127	135	129	-0.8
California	102	124	102	0.1
Oregon	18	10	23	-20.4
Washington	8	1	4	79.6
U.S. Total	2,974	2,832	2,896	2.7

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

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

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

Table 40. U.S. coal stocks at manufacturing plants by North American Industry Classification System (NAICS) code

(thousand short tons)

NAICS code	June 30, 2019	March 31, 2019	June 30, 2018	Percent change (June 30) 2019 versus 2018
311 Food Manufacturing	523	519	572	-8.5
312 Beverage and Tobacco Product Mfg.	1	1	1	27.7
313 Textile Mills	12	13	13	-10.9
322 Paper Manufacturing	310	295	336	-7.7
324 Petroleum and Coal Products	114	116	168	-32.0
325 Chemical Manufacturing	251	254	243	3.3
327 Nonmetallic Mineral Products Mfg.	1,375	1,316	1,241	10.7
331 Primary Metal Manufacturing	228	176	216	5.5
333 Machinery Manufacturing	15	17	17	-12.7
339 Miscellaneous Manufacturing	145	123	89	62.6
U.S. Total	2,974	2,832	2,896	2.7

* Includes coal gasification projects.

** Excludes coke plants.

- = No data reported.

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

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

Table 41. Coke and breeze stocks at coke plants by census division

(thousand short tons)

Census division	June 30, 2019	March 31, 2019	June 30, 2018	Percent change (June 30) 2019 versus 2018
Middle Atlantic	82	71	90	-8.9
East North Central	359	287	310	15.9
South Atlantic	43	38	65	-34.3
East South Central	73	80	93	-21.5
U.S. Total	557	477	558	-0.2
Coke Total	430	361	440	-2.4
Breeze Total	127	115	117	8.4

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

Source: U.S. Energy Information Administration (EIA), Form EIA-3, 'Quarterly Survey of Industrial, Commercial & Institutional Coal Users.' Prior to third quarter 2014, coke plant data was collected under Form EIA-5, 'Quarterly Coal Consumption and Quality Report - Coke Plants.'

Table 42. Coal stocks at commercial and institutional users by census division and state

(thousand short tons)

Census division and state	June 30, 2019	March 31, 2019	June 30, 2018	Percent change (June 30) 2019 versus 2018
Middle Atlantic	37	37	42	-13.3
Pennsylvania	37	37	42	-13.3
East North Central	24	32	37	-35.4
Illinois	19	21	16	24.0
Indiana	3	10	14	-78.8
Ohio	-	-	5	-100.0
Wisconsin	2	2	2	-12.0
West North Central	24	29	31	-22.4
Iowa	13	14	20	-35.6
Minnesota	6	7	6	10.5
Missouri	s	s	-	-
North Dakota	5	8	6	-12.6
South Atlantic	33	37	28	15.5
District of Columbia	3	3	3	-6.1
North Carolina	23	28	18	27.8
Virginia	7	6	7	-6.9
East South Central	7	7	7	-10.1
Kentucky	7	7	7	-10.1
Mountain	1	2	2	-29.7
Colorado	1	1	1	s
Montana	1	1	1	-47.4
Wyoming	s	s	s	s
Pacific	75	77	106	-29.4
Alaska	75	77	106	-29.4
U.S. Total	201	221	256	-21.2

- = 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	April - June 2019	January - March 2019	April - June 2018	Year to date		Percent change
				2019	2018	
New England						
Btu	12,338	12,329	12,654	12,332	12,683	-2.8
Sulfur	0.76	0.77	0.78	0.77	0.79	-2.9
Ash	8.50	8.49	8.72	8.50	7.87	7.9
Maine						
Btu	12,312	12,312	12,773	12,312	12,730	-3.3
Sulfur	0.76	0.76	0.73	0.76	0.76	0.2
Ash	8.76	8.76	7.39	8.76	7.22	21.3
Massachusetts						
Btu	12,428	12,449	12,322	12,438	12,363	0.6
Sulfur	0.78	0.81	0.91	0.79	0.99	-19.8
Ash	7.61	6.59	12.44	7.12	12.26	-41.9
Middle Atlantic						
Btu	14,070	14,093	14,139	14,082	14,073	0.1
Sulfur	1.17	1.09	1.14	1.13	1.13	-0.6
Ash	7.84	7.78	7.64	7.81	7.93	-1.4
New York						
Btu	12,763	12,779	13,524	12,768	13,432	-4.9
Sulfur	2.25	2.22	1.68	2.24	1.76	27.6
Ash	9.41	9.34	7.56	9.39	7.75	21.2
Pennsylvania						
Btu	14,161	14,129	14,188	14,145	14,125	0.1
Sulfur	1.09	1.06	1.09	1.07	1.08	-0.8
Ash	7.73	7.74	7.65	7.74	7.94	-2.6
East North Central						
Btu	13,333	13,237	13,143	13,288	13,164	0.9
Sulfur	1.08	1.20	1.20	1.13	1.18	-3.8
Ash	7.28	7.28	7.27	7.28	7.24	0.6
Illinois						
Btu	11,823	11,514	11,338	11,655	11,331	2.9
Sulfur	1.88	2.03	2.18	1.96	2.05	-4.1
Ash	7.41	7.50	7.47	7.46	7.42	0.5
Indiana						
Btu	14,019	14,110	14,023	14,061	14,025	0.3
Sulfur	0.90	0.89	0.88	0.89	0.86	4.4
Ash	7.23	7.10	7.15	7.17	7.16	0.2
Michigan						
Btu	13,043	13,085	13,128	13,050	13,174	-0.9
Sulfur	0.76	0.76	0.91	0.76	0.95	-20.0
Ash	6.85	6.70	7.26	6.82	7.31	-6.6
Ohio						
Btu	14,242	14,235	14,176	14,239	14,140	0.7
Sulfur	0.97	0.98	1.00	0.98	1.00	-2.7
Ash	7.49	7.51	7.22	7.50	7.22	3.9
Wisconsin						
Btu	10,524	10,549	10,913	10,537	10,829	-2.7
Sulfur	0.66	0.75	0.73	0.70	0.86	-18.6
Ash	7.48	6.68	7.32	7.08	6.88	2.9
West North Central						
Btu	8,211	8,307	8,240	8,260	8,211	0.6
Sulfur	0.84	0.89	0.83	0.87	0.83	4.3
Ash	6.36	6.29	6.24	6.32	6.29	0.6
Iowa						
Btu	9,041	9,280	9,182	9,166	9,155	0.1
Sulfur	0.64	1.03	0.82	0.84	0.79	6.2
Ash	5.11	5.37	5.19	5.25	5.14	2.0
Kansas						

Census division and state¹	April - June 2019	January - March 2019	April - June 2018	Year to date		Percent change
				2019	2018	
Btu	11,779	10,958	11,287	11,283	10,946	3.1
Sulfur	2.93	2.19	2.64	2.49	2.24	10.9
Ash	14.15	11.91	12.54	12.80	12.87	-0.6
Minnesota						
Btu	9,125	9,227	9,034	9,185	9,100	0.9
Sulfur	0.29	0.34	0.29	0.32	0.30	4.5
Ash	4.64	4.24	4.65	4.41	4.47	-1.4
Missouri						
Btu	11,176	11,155	11,192	11,165	11,316	-1.3
Sulfur	2.20	2.24	2.32	2.22	2.33	-4.8
Ash	8.63	8.60	8.42	8.61	8.68	-0.7
Nebraska						
Btu	8,694	8,706	8,919	8,700	8,889	-2.1
Sulfur	0.22	0.22	0.23	0.22	0.23	-5.6
Ash	4.51	4.61	4.84	4.56	4.76	-4.1
North Dakota						
Btu	7,190	7,199	7,203	7,195	7,179	0.2
Sulfur	0.90	0.87	0.79	0.88	0.82	8.2
Ash	6.97	6.93	6.73	6.95	6.82	2.0
South Dakota						
Btu	8,462	8,413	8,428	8,443	8,349	1.1
Sulfur	0.58	0.55	0.59	0.56	0.58	-3.3
Ash	6.30	6.20	6.42	6.27	6.58	-4.8
South Atlantic						
Btu	13,184	13,323	13,376	13,257	13,424	-1.2
Sulfur	1.14	1.08	1.18	1.11	1.10	1.2
Ash	9.99	9.54	9.97	9.75	9.57	1.9
Florida						
Btu	12,611	12,299	12,511	12,449	12,647	-1.6
Sulfur	0.96	1.21	1.12	1.09	0.98	11.4
Ash	10.28	11.19	10.54	10.75	10.46	2.8
Georgia						
Btu	12,620	12,737	12,694	12,694	12,649	0.4
Sulfur	0.83	1.01	0.93	0.94	0.92	3.1
Ash	9.71	9.83	9.64	9.79	9.28	5.5
Maryland						
Btu	10,139	10,872	11,067	10,466	11,132	-6.0
Sulfur	1.57	1.74	1.82	1.65	1.83	-10.2
Ash	22.52	22.94	23.15	22.71	22.88	-0.8
North Carolina						
Btu	13,485	13,438	13,570	13,460	13,499	-0.3
Sulfur	0.96	0.95	0.88	0.95	0.91	5.0
Ash	7.55	7.50	7.68	7.53	7.69	-2.2
South Carolina						
Btu	13,123	13,377	12,983	13,259	13,478	-1.6
Sulfur	1.77	1.58	2.28	1.66	1.68	-1.0
Ash	9.15	7.47	9.36	8.25	7.03	17.3
Virginia						
Btu	14,092	14,050	14,166	14,070	14,147	-0.5
Sulfur	0.83	0.82	0.87	0.83	0.86	-3.3
Ash	7.61	7.52	7.44	7.57	7.40	2.2
West Virginia						
Btu	13,951	13,951	14,073	13,951	14,093	-1.0
Sulfur	1.51	1.11	1.34	1.29	1.24	3.9
Ash	7.21	7.23	7.03	7.22	6.95	4.0
East South Central						
Btu	13,337	13,466	13,394	13,404	13,418	-0.1
Sulfur	1.33	1.22	1.25	1.27	1.20	5.8
Ash	7.75	6.77	7.48	7.25	7.34	-1.3
Alabama						
Btu	13,644	13,752	13,802	13,701	13,828	-0.9

Census division and state¹	April - June 2019	January - March 2019	April - June 2018	Year to date		Percent change
				2019	2018	
Sulfur	1.06	1.05	1.09	1.06	1.08	-1.9
Ash	7.75	6.93	7.02	7.32	6.97	5.0
Kentucky						
Btu	12,978	13,226	12,933	13,104	12,972	1.0
Sulfur	1.44	1.02	1.16	1.23	1.08	13.2
Ash	8.09	6.43	8.12	7.24	7.59	-4.5
Tennessee						
Btu	13,083	13,135	13,040	13,109	13,037	0.5
Sulfur	1.66	1.63	1.53	1.65	1.45	13.5
Ash	7.55	6.71	7.82	7.13	7.77	-8.2
West South Central						
Btu	10,170	9,611	9,941	9,876	9,747	1.3
Sulfur	0.74	0.63	0.59	0.68	0.59	15.4
Ash	8.85	8.43	8.51	8.63	8.28	4.3
Arkansas						
Btu	11,907	11,539	11,287	11,691	11,506	1.6
Sulfur	1.16	1.15	0.89	1.16	1.15	0.6
Ash	9.44	10.37	10.99	9.99	10.69	-6.6
Louisiana						
Btu	8,141	7,489	8,198	7,786	8,024	-3.0
Sulfur	0.63	0.64	0.83	0.63	0.74	-14.4
Ash	5.91	5.66	6.11	5.77	6.37	-9.4
Oklahoma						
Btu	11,451	9,834	9,857	10,404	9,567	8.8
Sulfur	0.52	0.32	0.33	0.39	0.29	33.2
Ash	5.79	5.21	5.49	5.41	5.15	5.0
Texas						
Btu	10,014	9,680	10,415	9,868	10,069	-2.0
Sulfur	0.75	0.64	0.56	0.70	0.54	29.7
Ash	10.64	11.43	10.69	10.99	10.69	2.8
Mountain						
Btu	10,586	10,467	10,662	10,525	10,543	-0.2
Sulfur	0.56	0.55	0.59	0.56	0.61	-8.4
Ash	7.41	6.69	6.99	7.04	7.08	-0.6
Arizona						
Btu	11,636	11,446	11,802	11,565	11,657	-0.8
Sulfur	0.66	0.53	0.69	0.61	0.68	-9.4
Ash	12.51	12.53	11.11	12.51	11.19	11.8
Colorado						
Btu	11,313	10,790	10,388	10,991	10,680	2.9
Sulfur	0.52	0.55	0.46	0.54	0.46	17.2
Ash	8.62	7.50	7.28	7.93	8.09	-1.9
Idaho						
Btu	13,585	11,152	11,497	11,441	11,425	0.1
Sulfur	0.64	0.51	0.44	0.52	0.48	7.9
Ash	9.07	7.95	10.02	8.08	10.10	-19.9
Montana						
Btu	9,842	8,684	10,073	9,212	9,469	-2.7
Sulfur	0.39	0.36	0.42	0.37	0.39	-5.3
Ash	5.39	5.78	5.53	5.60	5.86	-4.3
Nevada						
Btu	11,713	11,614	11,589	11,658	11,648	0.1
Sulfur	0.52	0.48	0.41	0.50	0.45	12.1
Ash	10.49	9.34	8.43	9.85	8.86	11.1
New Mexico						
Btu	12,200	12,244	12,201	12,221	12,201	0.2
Sulfur	0.81	0.87	0.77	0.84	0.77	9.0
Ash	10.57	10.45	10.87	10.51	10.87	-3.3
Utah						
Btu	11,317	11,581	11,641	11,447	11,529	-0.7
Sulfur	0.40	0.42	0.44	0.41	0.48	-13.3

Census division and state ¹	April - June 2019	January - March 2019	April - June 2018	Year to date		Percent change
				2019	2018	
Ash	11.34	10.81	10.40	11.08	10.62	4.3
Wyoming						
Btu	9,889	9,934	9,927	9,913	9,906	0.1
Sulfur	0.59	0.60	0.70	0.60	0.71	-16.3
Ash	4.68	4.35	4.67	4.51	4.84	-6.9
Pacific						
Btu	11,483	11,480	11,548	11,481	11,510	-0.2
Sulfur	0.43	0.39	0.44	0.41	0.48	-14.1
Ash	10.67	9.63	9.99	10.16	10.28	-1.2
California						
Btu	11,639	11,575	11,673	11,607	11,607	s
Sulfur	0.44	0.40	0.44	0.42	0.49	-13.9
Ash	11.12	9.87	10.39	10.50	10.64	-1.3
Oregon						
Btu	11,489	11,555	11,830	11,530	11,741	-1.8
Sulfur	0.37	0.38	0.43	0.38	0.49	-23.3
Ash	11.70	10.41	9.60	10.91	9.74	12.0
Washington						
Btu	9,336	9,464	9,463	9,387	9,481	-1.0
Sulfur	0.34	0.30	0.35	0.32	0.35	-6.4
Ash	4.19	3.90	4.03	4.07	3.92	3.8
U.S. Total						
Btu	11,983	11,894	11,922	11,939	11,813	1.1
Sulfur	1.00	1.02	1.04	1.01	1.01	0.3
Ash	7.59	7.37	7.44	7.48	7.43	0.6

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	April - June 2019	January - March 2019	April - June 2018	Year to date		Percent change
				2019	2018	
Middle Atlantic						
Btu	13,561	13,133	12,402	13,178	12,915	2.0
Sulfur	0.68	0.94	0.76	0.91	0.84	9.0
Ash	9.09	7.83	7.88	7.96	7.05	13.0
Pennsylvania						
Btu	13,561	13,133	12,402	13,178	12,915	2.0
Sulfur	0.68	0.94	0.76	0.91	0.84	9.0
Ash	9.09	7.83	7.88	7.96	7.05	13.0
East North Central						
Btu	11,326	12,088	11,387	11,836	11,599	2.0
Sulfur	3.10	2.35	3.03	2.60	2.68	-2.8
Ash	10.07	8.86	9.37	9.26	9.01	2.8
Illinois						
Btu	11,390	11,743	11,404	11,593	11,353	2.1
Sulfur	3.35	3.28	3.19	3.31	3.15	5.1
Ash	9.99	9.32	9.65	9.60	9.35	2.7
Indiana						
Btu	11,183	11,626	11,360	11,478	11,259	1.9
Sulfur	2.56	2.15	2.78	2.29	2.53	-9.6
Ash	10.27	9.09	8.95	9.48	8.89	6.6
Wisconsin						
Btu	-	13,375	-	13,375	13,375	s
Sulfur	-	0.78	-	0.78	0.78	s
Ash	-	7.65	-	7.65	7.65	s
West North Central						
Btu	10,802	10,287	10,771	10,406	10,219	1.8
Sulfur	2.44	1.59	1.98	1.79	1.78	0.4
Ash	8.65	7.57	8.40	7.82	9.22	-15.2
Iowa						
Btu	11,146	11,426	11,435	11,330	11,412	-0.7
Sulfur	2.83	2.45	2.47	2.58	2.60	-0.9
Ash	8.99	8.42	8.36	8.62	8.56	0.7
Minnesota						
Btu	9,525	8,960	9,086	9,001	9,265	-2.9
Sulfur	0.36	0.27	0.38	0.27	0.37	-26.6
Ash	3.66	5.14	4.18	5.03	4.48	12.3
Missouri						
Btu	11,305	11,336	-	11,335	11,372	-0.3
Sulfur	2.92	2.96	-	2.96	3.13	-5.5
Ash	8.25	8.26	-	8.26	8.69	-5.0
North Dakota						
Btu	9,054	8,875	8,771	8,894	8,538	4.2
Sulfur	0.54	0.47	0.53	0.48	0.57	-16.6
Ash	7.40	6.81	8.68	6.87	10.41	-34.0
South Atlantic						
Btu	13,008	12,765	12,882	12,799	13,068	-2.1
Sulfur	1.91	1.83	1.80	1.84	1.68	9.5
Ash	10.01	9.84	9.08	9.87	8.68	13.7
North Carolina						
Btu	12,836	12,591	12,857	12,625	12,904	-2.2
Sulfur	2.17	2.06	1.88	2.07	1.95	6.2
Ash	11.13	10.74	9.20	10.79	9.43	14.4
Virginia						
Btu	13,774	13,634	13,235	13,655	13,624	0.2
Sulfur	0.77	0.70	0.59	0.71	0.76	-7.5
Ash	5.07	5.38	7.31	5.33	6.13	-13.0
East South Central						

Census division and state ¹	April - June 2019	January - March 2019	April - June 2018	Year to date		Percent change
				2019	2018	
Btu	13,093	13,005	13,161	13,040	13,570	-3.9
Sulfur	0.76	0.79	0.80	0.78	0.78	-0.8
Ash	5.90	7.03	2.64	6.58	4.42	48.8
Kentucky						
Btu	13,093	13,005	13,161	13,040	13,570	-3.9
Sulfur	0.76	0.79	0.80	0.78	0.78	-0.8
Ash	5.90	7.03	2.64	6.58	4.42	48.8
Mountain						
Btu	11,335	11,364	10,782	11,363	11,470	-0.9
Sulfur	0.44	0.45	0.36	0.45	0.44	2.6
Ash	13.40	12.78	7.61	12.81	9.39	36.4
Montana						
Btu	-	-	10,616	-	10,616	-
Sulfur	-	-	0.33	-	0.34	-
Ash	-	-	7.16	-	7.36	-
Wyoming						
Btu	11,335	11,364	11,322	11,363	11,664	-2.6
Sulfur	0.44	0.45	0.47	0.45	0.46	-2.4
Ash	13.40	12.78	9.08	12.81	9.85	30.0
Pacific						
Btu	7,570	7,550	7,668	7,559	7,591	-0.4
Sulfur	0.14	0.16	0.17	0.15	0.14	8.9
Ash	7.35	7.02	7.81	7.17	6.46	11.0
Alaska						
Btu	7,570	7,550	7,668	7,559	7,591	-0.4
Sulfur	0.14	0.16	0.17	0.15	0.14	8.9
Ash	7.35	7.02	7.81	7.17	6.46	11.0
U.S. Total						
Btu	9,013	9,939	9,317	9,623	9,640	-0.2
Sulfur	1.09	1.15	1.15	1.13	1.15	-1.8
Ash	8.16	7.96	8.27	8.03	7.74	3.7

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.'