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Quarterly Coal Report April–June 2022

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Contacts

If you need more information about the data in this report, email the [coal data team](#).

If you have general question about coal statistics, contact our customer inquiry line at 202-586-8800 or by [email](#).

Preface

We publish 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 contains U.S. coke production, consumption, stocks, imports, and exports data. The second-quarter 2022 QCR includes detailed quarterly coal data from April 2022 to June 2022 and aggregated quarterly historical coal data for 2016 through second-quarter 2022.

All data for 2021 and previous years are final. All data for 2022 are preliminary.

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Table ES-1. U.S. coal summary statistics, 2016 - 2022

(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
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	22,540	166,774	-
April - June	187,098	2,197	2,123	23,430	166,866	21,836	163,264	-
July - September	196,440	2,333	2,609	23,430	203,482	24,571	145,060	-
October - December	193,933	1,357	2,301	23,999	172,796	27,998	142,957	-
Total	774,609	7,803	9,951		716,856	96,945		4,596
2018								
January - March	187,743	1,367	2,996	24,736	168,149	27,528	130,682	-
April - June	180,829	1,546	2,122	22,997	156,607	30,538	125,809	-
July - September	194,731	1,439	2,695	22,537	194,219	29,602	105,478	-
October - December	192,863	1,602	2,618	21,692	169,131	28,575	108,104	-
Total	756,167	5,954	10,431		688,105	116,244		5,363
2019								
January - March	179,817	1,689	2,649	24,160	157,746	25,213	101,990	-
April - June	179,781	1,604	1,946	24,529	129,609	25,929	122,358	-
July - September	181,461	1,681	1,576	27,714	167,226	21,960	116,478	-
October - December	165,250	1,723	1,833	31,320	131,962	20,663	133,940	-
Total	706,309	6,697	8,003		586,543	93,765		5,238
2020								
January - March	149,198	1,339	1,862	30,829	109,626	19,911	150,413	-
April - June	116,218	1,127	1,392	29,510	96,336	14,848	155,189	-
July - September	135,881	1,345	1,825	25,537	148,290	15,260	133,018	-
October - December	134,137	1,326	1,801	23,640	122,441	19,048	136,182	-
Total	535,434	5,137	6,880		476,693	69,067		7,129
2021								
January - March	140,130	1,074	2,190	28,146*	139,182	20,740	115,807	-
April - June	142,674	1,530	1,652	26,064*	124,566	22,017	115,539	-
July - September	148,272	1,134	2,118	23,449*	167,862	20,595	85,044	-
October - December	146,355	1,650	1,897	25,295*	114,074	21,763	99,113	-
Total	577,431	5,388	7,857		545,685	85,115		-4,709
2022								
January - March	148,992	1,322	1,749	26,439*	133,690	20,186	90,340	-
April - June	145,658	1,636	1,723	28,393*	118,020	23,001	91,404	-
Total	294,650	2,958	3,472		251,710	43,187		10,792
2021 January - June	282,805	2,604	3,842		263,749	42,757		-
2020 January - June	265,416	2,466	3,254		205,961	34,759		-

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, 2016 - 2022

(thousand short tons)

Year and quarter	Production	Imports	Producer and distributor stocks ¹	Consumption ²	Exports
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	2,951	234
July - September	3,411	5	465	3,087	278
October - December	3,386	25	558	2,860	458
Total	12,948	58		11,815	1,212
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	207
October - December	3,545	35	354	3,268	354
Total	13,806	117		12,976	1,151
2019					
January - March	3,170	6	331	3,008	190
April - June	3,348	40	401	3,097	222
July - September	3,214	30	408	2,995	242
October - December	3,137	40	440	2,832	313
Total	12,870	116		11,932	967
2020					
January - March	3,046	6	452	2,852	188
April - June	2,452	26	633	2,180	117
July - September	2,306	57	563	2,323	111
October - December	2,550	72	481	2,436	268
Total	10,353	162		9,791	683
2021					
January - March	3,101	16	489	2,856	253
April - June	3,205	31	469	2,669	587
July - September	3,105	20	292	2,727	575
October - December	3,134	50	352	2,457	668
Total	12,545	117		10,708	2,083
2022					
January - March	2,881	8	419	2,297	526
April - June	2,838	24	310	2,206	765
Total	5,719	32		4,502	1,291
2021 January - June	6,306	47		5,524	840
2020 January - June	5,498	32		5,032	305

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, 2016 - 2022
(thousand short tons)

This table is suspended due to no coal refining activity during the current reporting period.

Production

Table 1. U.S. coal production, 2016 - 2022

(thousand short tons)

Year	January - March	April - June	July - September	October - December	Total
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	179,817	179,781	181,461	165,250	706,309
2020	149,198	116,218	135,881	134,137	535,434
2021	140,130	142,674	148,272	146,355	577,431
2022	148,992	145,658	-	-	294,650

- = 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 2022	January - March 2022	April - June 2021	Year to date		Percent change
				2022	2021	
Alabama	2,482	2,585	2,117	5,067	5,228	-3.1
Alaska	210	273	234	483	544	-11.2
Colorado	3,559	2,806	2,580	6,365	5,002	27.2
Illinois	10,882	9,307	9,707	20,189	20,861	-3.2
Indiana	5,856	5,279	4,631	11,135	9,511	17.1
Kentucky Total	7,159	7,101	6,651	14,260	13,152	8.4
Eastern (Kentucky)	3,142	2,821	2,591	5,963	4,814	23.9
Western (Kentucky)	4,018	4,280	4,060	8,298	8,338	-0.5
Louisiana	84	61	62	145	120	21.0
Maryland	364	313	288	677	637	6.4
Mississippi	951	740	830	1,690	1,642	3.0
Missouri	18	17	19	36	37	-3.6
Montana	7,294	7,011	6,756	14,304	13,322	7.4
New Mexico	2,507	2,782	2,049	5,289	4,401	20.2
North Dakota	6,037	7,161	6,066	13,197	13,058	1.1
Ohio	629	717	541	1,347	1,291	4.3
Oklahoma	-	s	-	s	-	-
Pennsylvania Total	9,975	10,263	11,416	20,238	23,185	-12.7
Anthracite (Pennsylvania)	599	615	464	1,214	968	25.4
Bituminous (Pennsylvania)	9,376	9,647	10,953	19,024	22,217	-14.4
Tennessee	s	-	-	s	-	-
Texas	4,163	4,096	3,878	8,259	7,604	8.6
Utah	2,395	3,245	3,010	5,640	6,229	-9.5
Virginia	2,524	2,619	2,598	5,144	5,220	-1.5
West Virginia Total	21,035	20,814	19,812	41,850	39,908	4.9
Northern (West Virginia)	11,556	11,713	11,068	23,269	22,523	3.3
Southern (West Virginia)	9,479	9,102	8,744	18,581	17,384	6.9
Wyoming	57,472	61,758	59,312	119,231	111,633	6.8
Appalachia Total	40,153	40,133	39,363	80,286	80,283	s
Appalachia Central	15,145	14,543	13,932	29,688	27,418	8.3
Appalachia Northern	22,525	23,005	23,313	45,530	47,637	-4.4
Appalachia Southern	2,482	2,585	2,117	5,067	5,228	-3.1
Interior Region Total	25,971	23,780	23,188	49,752	48,112	3.4
Illinois Basin	20,756	18,866	18,398	39,622	38,710	2.4
Interior	5,215	4,915	4,789	10,130	9,402	7.7
Western Region Total	79,474	85,035	80,007	164,509	154,190	6.7
Powder River Basin	60,816	65,231	62,275	126,047	117,182	7.6
Uinta Region	5,672	5,801	5,361	11,473	10,758	6.6
Western	12,985	14,004	12,371	26,989	26,250	2.8
East of Mississippi River	61,860	59,738	58,591	121,598	120,635	0.8
West of Mississippi River	83,739	89,210	83,966	172,949	161,950	6.8
U.S. Subtotal	145,598	148,948	142,557	294,546	282,585	4.2
Refuse recovery	60	44	117	104	220	-53.0
U.S. Total	145,658	148,992	142,674	294,650	282,805	4.2

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. 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 2022	January - March 2022	April - June 2021	Year to date		Percent change
				2022	2021	
Middle Atlantic	1,010	989	996	1,999	1,926	3.8
East North Central	1,655	1,598	1,900	3,254	3,744	-13.1
South Atlantic	164	261	321	426	636	-33.0
East South Central	145	145	160	290	336	-13.8
U.S. Total	2,976	2,993	3,377	5,968	6,642	-10.1
Coke Total	2,838	2,881	3,205	5,719	6,306	-9.3
Breeze Total	138	112	173	249	336	-25.8

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

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

Exports and imports

Table 4. U.S. coal exports and imports, 2016 - 2022

(thousand short tons)

Year	January - March		April - June		July - September		October - December		Total	
	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports
2016	14,153	2,698	14,223	2,292	12,552	2,733	19,343	2,124	60,271	9,846
2017	22,540	1,915	21,836	2,197	24,571	2,333	27,998	1,357	96,945	7,803
2018	27,528	1,367	30,538	1,546	29,602	1,439	28,575	1,602	116,244	5,954
2019	25,213	1,689	25,929	1,604	21,960	1,681	20,663	1,723	93,765	6,697
2020	19,911	1,339	14,848	1,127	15,260	1,345	19,048	1,326	69,067	5,137
2021	20,740	1,074	22,017	1,530	20,595	1,134	21,763	1,650	85,115	5,388
2022	20,186	1,322	23,001	1,636	-	-	-	-	43,187	2,958

- = 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, 2016 - 2022

(dollars per short ton)

Year	January - March		April - June		July - September		October - December		Total	
	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports
2016	61.41	63.97	65.79	66.30	67.24	62.70	92.57	71.32	73.66	65.75
2017	112.14	74.81	111.24	79.43	99.17	79.43	89.43	86.54	102.09	79.53
2018	106.94	71.87	103.75	82.95	99.48	91.02	108.69	83.08	104.63	82.39
2019	110.18	78.43	112.21	84.78	103.09	81.65	93.22	75.66	105.34	80.04
2020	90.15	69.46	90.61	74.92	88.83	72.17	83.35	71.10	88.08	71.79
2021	88.81	71.56	93.80	81.99	115.84	95.84	159.38	110.28	114.69	91.49
2022	184.49	86.50	231.68	103.54	-	-	-	-	209.63	95.92

- = 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, 2016 - 2022

(short tons and dollars per short ton)

Year and quarter	Australia	Canada	Colombia	Indonesia	China	Venezuela	Other countries	Total
2016	121,967	1,078,480	7,890,800	613,944	6,955	-	134,212	9,846,358
2017	700	891,734	6,112,092	699,453	6,474	46	92,153	7,802,652
2018	-	770,364	4,060,581	915,188	28,624	-	179,398	5,954,155
2019	-	817,190	5,033,032	655,398	54,715	-	136,802	6,697,137
2020	-	448,719	3,655,196	639,982	109,814	-	283,659	5,137,370
2021								
January - March	-	150,434	765,421	114,247	16,447	-	27,217	1,073,766
April - June	-	333,011	904,314	108,013	26,336	-	158,690	1,530,364
July - September	-	287,273	573,514	116,569	26,033	-	130,534	1,133,923
October - December	-	263,514	1,123,637	155,339	47,927	-	59,878	1,650,295
U.S. Total	-	1,034,232	3,366,886	494,168	116,743	-	376,319	5,388,348
2022								
January - March	-	333,641	895,327	61,968	30,302	-	426	1,321,664
April - June	-	546,184	972,409	58,575	58,977	-	-	1,636,145
U.S. Total	-	879,825	1,867,736	120,543	89,279	-	426	2,957,809

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

2016	47.66	77.40	65.10	52.17	126.99	-	85.65	65.75
2017	74.89	189.83	64.39	64.11	97.33	103.33	132.12	79.53
2018	-	191.25	61.39	75.42	132.01	-	117.88	82.39
2019	-	184.33	62.77	67.10	96.13	-	148.37	80.04
2020	-	129.46	60.54	74.23	84.43	-	115.10	71.79
2021								
January - March	-	114.46	60.06	64.77	187.53	-	116.19	71.56
April - June	-	120.97	60.79	64.77	141.15	-	122.84	81.99
July - September	-	141.72	70.43	64.77	134.56	-	126.54	95.84
October - December	-	246.21	81.33	67.93	107.28	-	167.44	110.28
U.S. Total	-	157.70	69.12	65.76	132.31	-	130.74	91.49
2022								
January - March	-	113.78	75.51	64.77	155.04	-	95.94	86.50
April - June	-	141.45	85.52	64.77	88.02	-	-	103.54
U.S. Total	-	130.96	80.72	64.77	110.76	-	95.94	95.92

- = 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 2022	January - March 2022	April - June 2021	Year to date		Percent change
				2022	2021	
North America Total	1,773,695	934,348	2,108,145	2,708,043	3,447,875	-21.5
Canada*	1,164,054	422,379	984,242	1,586,433	1,514,004	4.8
Dominican Republic	237,430	53,356	729,812	290,786	1,110,955	-73.8
Guatemala	178,811	122,060	208,275	300,871	343,021	-12.3
Honduras	60,627	36,375	72,752	97,002	72,752	33.3
Jamaica	36,370	35,358	-	71,728	36,482	96.6
Mexico	96,281	189,444	81,895	285,725	281,420	1.5
Panama	10	14,700	31,131	14,710	31,263	-52.9
Trinidad and Tobago	27	60,650	21	60,677	57,919	4.8
Other**	85	26	17	111	59	88.1
South America Total	2,197,802	1,734,503	1,988,243	3,932,305	3,981,387	-1.2
Argentina	135,477	78,394	42,019	213,871	92,053	132.3
Brazil	1,756,270	1,314,945	1,762,364	3,071,215	3,505,445	-12.4
Chile	190,296	235,431	113,617	425,727	222,025	91.7
Ecuador	43,866	32,849	36,638	76,715	36,638	109.4
Peru	71,776	72,814	33,512	144,590	68,483	111.1
Uruguay	-	-	-	-	56,630	-
Other**	117	70	93	187	113	65.5
Europe Total	7,673,469	7,563,289	5,597,335	15,236,758	11,303,793	34.8
Austria	401,240	229,107	379,022	630,347	666,479	-5.4
Belgium	158,061	86,943	36,720	245,004	115,477	112.2
Croatia	437,369	534,237	253,112	971,606	626,438	55.1
Denmark (Except Greenland)	78,315	32,524	-	110,839	29,101	280.9
Finland	146,718	156,777	193,747	303,495	337,048	-10.0
France	335,305	313,706	167,352	649,011	429,891	51.0
Germany, Federal Republic of	834,743	842,318	558,673	1,677,061	1,068,440	57.0
Italy	277,544	509,151	249,707	786,695	522,419	50.6
Netherlands	2,634,992	2,509,232	1,870,669	5,144,224	3,674,877	40.0
Poland	648,153	385,964	357,682	1,034,117	638,003	62.1
Romania	156,301	158,131	60,939	314,432	115,583	172.0
Slovakia	62,233	-	-	62,233	55,336	12.5
Spain	89,288	481,933	141,149	571,221	277,565	105.8
Sweden	53,352	88,397	147,039	141,749	222,106	-36.2
Switzerland	-	-	-	-	87,510	-
Turkey	321,675	426,482	194,338	748,157	465,868	60.6
Ukraine	-	422,859	627,326	422,859	1,272,777	-66.8
United Kingdom	920,467	372,498	346,617	1,292,965	670,122	92.9
Other**	117,713	13,030	13,243	130,743	28,753	354.7
Asia Total	9,419,351	8,445,981	11,004,949	17,865,332	21,678,345	-17.6
China	1,074,514	582,109	2,687,030	1,656,623	5,402,530	-69.3
Hong Kong	-	-	80,061	-	80,061	-
India	4,559,188	3,984,566	4,886,077	8,543,754	9,774,567	-12.6
Japan	1,968,973	2,412,448	1,881,465	4,381,421	3,465,349	26.4
Jordan	-	-	63,948	-	63,948	-
Pakistan	-	21	62,411	21	62,411	-100.0
South Korea (Republic of Korea)	1,645,833	1,391,616	1,294,868	3,037,449	2,778,371	9.3
Other**	170,843	75,221	49,089	246,064	51,108	381.5
Australia and Oceania Total	338	253	166	591	166	256.0
Other**	338	253	166	591	166	256.0
Africa Total	1,936,446	1,507,684	1,318,639	3,444,130	2,345,646	46.8
Egypt	941,254	749,520	757,454	1,690,774	1,322,875	27.8
Ghana	-	-	66,689	-	84,436	-
Kenya	-	-	52,266	-	52,266	-

Continent and country of destination	April - June 2022	January - March 2022	April - June 2021	Year to date		Percent change
				2022	2021	
Morocco	881,747	670,675	330,650	1,552,422	670,299	131.6
South Africa	65,929	87,471	65,036	153,400	119,600	28.3
Togo	47,516	-	-	47,516	49,604	-4.2
Other**	-	18	46,544	18	46,566	-100.0
Total	23,001,101	20,186,058	22,017,477	43,187,159	42,757,212	1.0

* 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 2021.

- = 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 8. Average price of U.S. coal exports

(dollars per short ton)

Continent and country of destination	April - June 2022	January - March 2022	April - June 2021	Year to date		Percent change
				2022	2021	
North America Total	168.69	105.74	82.42	146.97	85.19	72.5
Canada*	155.97	87.31	103.93	137.69	93.91	46.6
Dominican Republic	218.89	90.72	56.12	195.37	55.75	250.4
Guatemala	188.36	97.83	74.01	151.63	112.90	34.3
Honduras	90.72	81.65	63.50	87.32	63.50	37.5
Jamaica	90.82	45.36	-	68.41	50.37	35.8
Mexico	240.19	118.05	99.83	159.20	130.05	22.4
Panama	485.00	77.11	72.58	77.39	72.56	6.7
Trinidad and Tobago	550.67	281.28	581.81	281.40	95.54	194.5
Other**	535.36	383.92	1,067.71	499.89	553.20	-9.6
South America Total	270.24	215.56	105.05	246.12	98.10	150.9
Argentina	174.67	187.65	70.90	179.43	67.43	166.1
Brazil	295.03	246.93	101.20	274.44	97.95	180.2
Chile	227.72	115.30	68.15	165.55	68.22	142.7
Ecuador	47.50	51.33	437.32	49.14	437.32	-88.8
Peru	92.71	77.21	110.92	84.91	94.27	-9.9
Uruguay	-	-	-	-	58.32	-
Other**	345.58	364.40	522.28	352.63	565.86	-37.7
Europe Total	263.67	228.86	112.33	246.39	107.10	130.1
Austria	386.49	352.11	105.29	374.00	103.27	262.2
Belgium	199.50	233.06	149.66	211.41	131.22	61.1
Croatia	344.06	245.28	148.26	289.75	139.80	107.3
Denmark (Except Greenland)	281.82	58.06	-	216.16	343.63	-37.1
Finland	411.54	296.36	122.86	352.04	109.58	221.3
France	381.68	310.23	135.80	347.15	108.30	220.5
Germany, Federal Republic of	272.80	181.42	86.62	226.90	83.49	171.8
Italy	322.84	337.23	126.90	332.15	121.52	173.3
Netherlands	222.97	186.05	92.28	204.96	84.95	141.3
Poland	261.21	306.52	121.40	278.12	115.11	141.6
Romania	227.11	171.72	151.65	199.25	118.19	68.6
Slovakia	329.56	-	-	329.56	115.00	186.6
Spain	304.49	221.98	139.76	234.88	138.48	69.6
Sweden	339.01	275.04	125.42	299.12	114.63	160.9
Switzerland	-	-	-	-	108.86	-
Turkey	334.63	229.72	133.83	274.83	132.64	107.2
Ukraine	-	324.98	143.21	324.98	136.45	138.2
United Kingdom	171.11	124.07	109.41	157.56	110.29	42.9
Other**	298.84	272.48	151.11	296.22	156.32	89.5
Asia Total	233.82	164.28	87.34	200.95	85.18	135.9
China	334.89	344.22	152.07	338.17	143.99	134.9
Hong Kong	-	-	222.26	-	222.26	-
India	262.63	190.56	66.30	229.02	65.38	250.3
Japan	216.53	125.49	77.53	166.40	81.57	104.0
Jordan	-	-	90.70	-	90.70	-
Pakistan	-	594.62	56.24	594.62	56.24	NM
South Korea (Republic of Korea)	94.01	85.96	39.86	90.33	41.38	118.3
Other**	375.41	72.89	81.54	282.93	96.03	194.6
Australia and Oceania Total	316.57	306.32	333.77	312.18	333.77	-6.5
Other**	316.57	306.32	333.77	312.18	333.77	-6.5
Africa Total	108.47	88.15	70.29	99.57	70.54	41.2
Egypt	104.17	80.60	67.09	93.72	68.28	37.3
Ghana	-	-	63.50	-	63.50	-
Kenya	-	-	56.25	-	56.25	-

Continent and country of destination	April - June 2022	January - March 2022	April - June 2021	Year to date		Percent change
				2022	2021	
Morocco	84.67	68.17	69.81	77.54	66.62	16.4
South Africa	405.95	305.93	141.90	348.92	139.25	150.6
Togo	222.26	-	-	222.26	63.50	250.0
Other**	-	1,006.11	51.03	1,006.11	51.12	NM
Total	231.68	184.49	93.80	209.63	91.38	129.4

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

** Includes countries with coal exports less than or equal to 50,000 short tons in 2021.

- = 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). 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 2022	January - March 2022	April - June 2021	Year to date		Percent change
				2022	2021	
North America Total	841,157	611,672	1,153,937	1,452,829	2,126,807	-31.7
Canada*	335,574	210,243	60,873	545,817	382,388	42.7
Dominican Republic	199,951	53,356	729,812	253,307	1,110,955	-77.2
Guatemala	178,811	122,060	208,275	300,871	343,021	-12.3
Honduras	60,627	36,375	72,752	97,002	72,752	33.3
Jamaica	36,370	35,358	-	71,728	36,482	96.6
Mexico	29,702	139,531	51,056	169,233	149,845	12.9
Panama	10	14,700	31,131	14,710	31,263	-52.9
Trinidad and Tobago	27	23	21	50	42	19.0
Other**	85	26	17	111	59	88.1
South America Total	460,239	455,402	356,442	915,641	700,280	30.8
Argentina	40	46	142	86	162	-46.9
Brazil	154,144	114,192	228,401	268,336	372,190	-27.9
Chile	190,296	235,431	57,656	425,727	166,064	156.4
Ecuador	43,866	32,849	36,638	76,715	36,638	109.4
Peru	71,776	72,814	33,512	144,590	68,483	111.1
Uruguay	-	-	-	-	56,630	-
Other**	117	70	93	187	113	65.5
Europe Total	2,925,924	2,698,152	1,248,184	5,624,076	2,772,067	102.9
Belgium	36,374	2	2	36,376	47	NM
Croatia	24,460	173,228	-	197,688	-	-
Denmark (Except Greenland)	78,315	32,524	-	110,839	29,101	280.9
Finland	-	-	121	-	122	-
France	11,403	-	-	11,403	86,272	-86.8
Germany, Federal Republic of	461,802	612,145	189,202	1,073,947	462,843	132.0
Italy	65	43	98	108	28,629	-99.6
Netherlands	1,328,265	1,231,038	896,395	2,559,303	1,794,977	42.6
Poland	259,467	58,173	86,738	317,640	177,778	78.7
Romania	74,417	86,180	-	160,597	42,439	278.4
Spain	1,458	146,011	9,789	147,469	10,945	NM
Turkey	-	119,601	332	119,601	332	NM
Ukraine	-	-	55	-	55	-
United Kingdom	612,182	239,118	65,375	851,300	138,375	NM
Other**	37,716	89	77	37,805	152	NM
Asia Total	4,097,785	4,579,413	6,321,973	8,677,198	12,945,758	-33.0
China	129	76	137,800	205	603,426	-100.0
India	1,898,141	2,073,595	3,897,012	3,971,736	7,997,817	-50.3
Japan	886,706	1,298,946	995,956	2,185,652	1,789,720	22.1
Jordan	-	-	63,948	-	63,948	-
Pakistan	-	21	62,411	21	62,411	-100.0
South Korea (Republic of Korea)	1,310,988	1,131,554	1,115,757	2,442,542	2,377,328	2.7
Other**	1,821	75,221	49,089	77,042	51,108	50.7
Australia and Oceania Total	338	253	166	591	166	256.0
Other**	338	253	166	591	166	256.0
Africa Total	1,610,475	1,365,097	1,253,603	2,975,572	2,226,046	33.7
Egypt	681,201	694,404	757,454	1,375,605	1,322,875	4.0
Ghana	-	-	66,689	-	84,436	-
Kenya	-	-	52,266	-	52,266	-
Morocco	881,747	670,675	330,650	1,552,422	670,299	131.6
South Africa	11	-	-	11	-	-
Togo	47,516	-	-	47,516	49,604	-4.2
Other**	-	18	46,544	18	46,566	-100.0
Total	9,935,918	9,709,989	10,334,305	19,645,907	20,771,124	-5.4

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

** Includes countries with coal exports less than or equal to 50,000 short tons in 2021.

- = No data reported.

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

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

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

Table 10. Average price of U.S. steam coal exports

(dollars per short ton)

Continent and country of destination	April - June 2022	January - March 2022	April - June 2021	Year to date		Percent change
				2022	2021	
North America Total	159.08	76.53	65.74	124.32	76.36	62.8
Canada*	117.91	74.82	136.27	101.31	80.30	26.2
Dominican Republic	235.09	90.72	56.12	204.68	55.75	267.1
Guatemala	188.36	97.83	74.01	151.63	112.90	34.3
Honduras	90.72	81.65	63.50	87.32	63.50	37.5
Jamaica	90.82	45.36	-	68.41	50.37	35.8
Mexico	157.70	61.45	83.89	78.34	148.57	-47.3
Panama	485.00	77.11	72.58	77.39	72.56	6.7
Trinidad and Tobago	550.67	417.30	581.81	489.32	492.90	-0.7
Other**	535.36	383.92	1,067.71	499.89	553.20	-9.6
South America Total	138.95	105.37	127.80	122.25	97.71	25.1
Argentina	378.00	290.30	326.23	331.09	323.75	2.3
Brazil	76.69	118.17	95.14	94.34	83.66	12.8
Chile	227.72	115.30	69.14	165.55	68.59	141.4
Ecuador	47.50	51.33	437.32	49.14	437.32	-88.8
Peru	92.71	77.21	110.92	84.91	94.27	-9.9
Uruguay	-	-	-	-	58.32	-
Other**	345.58	364.40	522.28	352.63	565.86	-37.7
Europe Total	99.74	85.51	64.51	92.92	67.03	38.6
Belgium	169.34	4,961.00	1,840.50	169.61	626.28	-72.9
Croatia	126.85	64.56	-	72.27	-	-
Denmark (Except Greenland)	281.82	58.06	-	216.16	343.63	-37.1
Finland	-	-	140.54	-	170.22	-
France	277.55	-	-	277.55	63.50	337.1
Germany, Federal Republic of	151.56	104.31	63.72	124.63	57.98	115.0
Italy	321.22	602.40	744.24	433.17	125.70	244.6
Netherlands	80.09	81.14	64.80	80.59	61.21	31.7
Poland	92.15	90.72	64.31	91.88	80.28	14.4
Romania	57.38	51.34	-	54.14	63.50	-14.7
Spain	323.71	94.01	92.30	96.28	110.12	-12.6
Turkey	-	110.03	542.78	110.03	542.78	-79.7
Ukraine	-	-	314.18	-	314.18	-
United Kingdom	79.70	72.06	54.38	77.55	83.17	-6.8
Other**	93.19	638.11	678.91	94.47	659.02	-85.7
Asia Total	78.66	64.06	56.71	70.95	56.66	25.2
China	469.21	492.75	73.28	477.94	86.92	449.9
India	102.66	81.42	61.39	91.57	60.47	51.4
Japan	82.86	59.57	59.95	69.02	59.44	16.1
Jordan	-	-	90.70	-	90.70	-
Pakistan	-	594.62	56.24	594.62	56.24	NM
South Korea (Republic of Korea)	40.59	36.78	32.43	38.82	32.29	20.2
Other**	386.48	72.89	81.54	80.30	96.03	-16.4
Australia and Oceania Total	316.57	306.32	333.77	312.18	333.77	-6.5
Other**	316.57	306.32	333.77	312.18	333.77	-6.5
Africa Total	94.05	71.90	66.57	83.89	66.85	25.5
Egypt	97.23	75.48	67.09	86.25	68.28	26.3
Ghana	-	-	63.50	-	63.50	-
Kenya	-	-	56.25	-	56.25	-
Morocco	84.67	68.17	69.81	77.54	66.62	16.4
South Africa	574.36	-	-	574.36	-	-
Togo	222.26	-	-	222.26	63.50	250.0
Other**	-	1,006.11	51.03	1,006.11	51.12	NM
Total	96.97	73.85	62.31	85.54	62.54	36.8

* 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 2021.

- = 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 2022	January - March 2022	April - June 2021	Year to date		Percent change
				2022	2021	
North America Total	932,538	322,676	954,208	1,255,214	1,321,068	-5.0
Canada*	828,480	212,136	923,369	1,040,616	1,131,616	-8.0
Dominican Republic	37,479	-	-	37,479	-	-
Mexico	66,579	49,913	30,839	116,492	131,575	-11.5
Trinidad and Tobago	-	60,627	-	60,627	57,877	4.8
South America Total	1,737,563	1,279,101	1,631,801	3,016,664	3,281,107	-8.1
Argentina	135,437	78,348	41,877	213,785	91,891	132.7
Brazil	1,602,126	1,200,753	1,533,963	2,802,879	3,133,255	-10.5
Chile	-	-	55,961	-	55,961	-
Europe Total	4,747,545	4,865,137	4,349,151	9,612,682	8,531,726	12.7
Austria	401,240	229,107	379,022	630,347	666,479	-5.4
Belgium	121,687	86,941	36,718	208,628	115,430	80.7
Croatia	412,909	361,009	253,112	773,918	626,438	23.5
Finland	146,718	156,777	193,626	303,495	336,926	-9.9
France	323,902	313,706	167,352	637,608	343,619	85.6
Germany, Federal Republic of	372,941	230,173	369,471	603,114	605,597	-0.4
Italy	277,479	509,108	249,609	786,587	493,790	59.3
Netherlands	1,306,727	1,278,194	974,274	2,584,921	1,879,900	37.5
Poland	388,686	327,791	270,944	716,477	460,225	55.7
Romania	81,884	71,951	60,939	153,835	73,144	110.3
Slovakia	62,233	-	-	62,233	55,336	12.5
Spain	87,830	335,922	131,360	423,752	266,620	58.9
Sweden	53,352	88,397	147,039	141,749	222,106	-36.2
Switzerland	-	-	-	-	87,510	-
Turkey	321,675	306,881	194,006	628,556	465,536	35.0
Ukraine	-	422,859	627,271	422,859	1,272,722	-66.8
United Kingdom	308,285	133,380	281,242	441,665	531,747	-16.9
Other**	79,997	12,941	13,166	92,938	28,601	224.9
Asia Total	5,321,566	3,866,568	4,682,976	9,188,134	8,732,587	5.2
China	1,074,385	582,033	2,549,230	1,656,418	4,799,104	-65.5
Hong Kong	-	-	80,061	-	80,061	-
India	2,661,047	1,910,971	989,065	4,572,018	1,776,750	157.3
Japan	1,082,267	1,113,502	885,509	2,195,769	1,675,629	31.0
South Korea (Republic of Korea)	334,845	260,062	179,111	594,907	401,043	48.3
Other**	169,022	-	-	169,022	-	-
Africa Total	325,971	142,587	65,036	468,558	119,600	291.8
Egypt	260,053	55,116	-	315,169	-	-
South Africa	65,918	87,471	65,036	153,389	119,600	28.3
Total	13,065,183	10,476,069	11,683,172	23,541,252	21,986,088	7.1

* 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 2021.

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

(dollars per short ton)

Continent and country of destination	April - June 2022	January - March 2022	April - June 2021	Year to date		Percent change
				2022	2021	
North America Total	177.36	161.12	102.59	173.18	99.41	74.2
Canada*	171.38	99.70	101.80	156.77	98.51	59.1
Dominican Republic	132.45	-	-	132.45	-	-
Mexico	276.98	276.25	126.21	276.67	108.96	153.9
Trinidad and Tobago	-	281.23	-	281.23	95.25	195.3
South America Total	305.01	254.79	100.08	283.72	98.18	189.0
Argentina	174.61	187.59	70.03	179.37	66.97	167.8
Brazil	316.04	259.17	102.10	291.68	99.65	192.7
Chile	-	-	67.13	-	67.13	-
Europe Total	364.70	308.36	126.06	336.18	120.12	179.9
Austria	386.49	352.11	105.29	374.00	103.27	262.2
Belgium	208.51	232.95	149.57	218.70	131.02	66.9
Croatia	356.93	331.99	148.26	345.30	139.80	147.0
Finland	411.54	296.36	122.85	352.04	109.56	221.3
France	385.35	310.23	135.80	348.39	119.55	191.4
Germany, Federal Republic of	422.93	386.50	98.34	409.03	102.98	297.2
Italy	322.84	337.21	126.66	332.14	121.28	173.9
Netherlands	368.21	287.09	117.56	328.10	107.61	204.9
Poland	374.07	344.81	139.68	360.68	128.57	180.5
Romania	381.36	315.90	151.65	350.75	149.93	133.9
Slovakia	329.56	-	-	329.56	115.00	186.6
Spain	304.17	277.61	143.29	283.11	139.65	102.7
Sweden	339.01	275.04	125.42	299.12	114.63	160.9
Switzerland	-	-	-	-	108.86	-
Turkey	334.63	276.37	133.13	306.19	132.35	131.3
Ukraine	-	324.98	143.19	324.98	136.45	138.2
United Kingdom	352.64	217.33	122.21	311.78	117.34	165.7
Other**	395.80	269.97	148.02	378.28	153.65	146.2
Asia Total	353.30	282.99	128.68	323.71	127.47	153.9
China	334.87	344.20	156.33	338.15	151.16	123.7
Hong Kong	-	-	222.26	-	222.26	-
India	376.74	308.99	85.64	348.43	87.47	298.3
Japan	326.05	202.38	97.31	263.34	105.21	150.3
South Korea (Republic of Korea)	303.18	299.98	86.19	301.78	95.23	216.9
Other**	375.29	-	-	375.29	-	-
Africa Total	179.69	243.78	141.90	199.19	139.25	43.0
Egypt	122.34	145.15	-	126.33	-	-
South Africa	405.92	305.93	141.90	348.90	139.25	150.6
Total	334.13	287.04	121.65	313.18	118.62	164.0

* 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 2021.

- = 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 2022	January - March 2022	April - June 2021	Year to date		Percent change
				2022	2021	
Eastern Total	14,338,371	12,442,934	14,153,807	26,781,305	26,621,309	0.6
Baltimore, MD	5,368,579	4,422,504	5,624,006	9,791,083	11,055,268	-11.4
Boston, MA	-	-	53,537	-	53,537	-
Buffalo, NY	471,675	154,608	595,336	626,283	753,789	-16.9
New York City, NY	2,537	1,787	1,593	4,324	3,035	42.5
Norfolk, VA	8,287,954	7,787,174	7,827,822	16,075,128	14,644,672	9.8
Ogdensburg, NY	114,259	76,723	42,280	190,982	101,727	87.7
Philadelphia, PA	93,126	93	9,186	93,219	9,206	NM
Portland, ME	72	-	26	72	54	33.3
St. Albans, VT	169	45	21	214	21	NM
Southern Total	6,001,425	5,241,522	5,370,988	11,242,947	11,397,726	-1.4
Charleston, SC	1	-	-	1	38	-97.4
El Paso, TX	22,282	35,721	48,994	58,003	74,608	-22.3
Houston-Galveston, TX	267,566	283,406	158,268	550,972	223,535	146.5
Laredo, TX	3,624	65,126	2,548	68,750	5,911	NM
Miami, FL	79	185	37	264	99	166.7
Mobile, AL	2,530,155	2,078,448	2,262,622	4,608,603	5,119,492	-10.0
New Orleans, LA	3,176,501	2,777,880	2,898,480	5,954,381	5,973,970	-0.3
San Juan, PR	-	3	-	3	-	-
Savannah, GA	147	235	39	382	73	423.3
Tampa, FL	1,070	518	-	1,588	-	-
Western Total	2,266,304	2,433,447	2,147,210	4,699,751	4,331,854	8.5
Great Falls, MT	270	227	1,356	497	1,948	-74.5
Honolulu, HI	-	41	-	41	-	-
Los Angeles, CA	354,232	228,850	278,197	583,082	464,307	25.6
Nogales, AZ	4,204	2,599	14	6,803	49	NM
San Diego, CA	-	76	25	76	54	40.7
San Francisco, CA	428,044	583,878	622,460	1,011,922	1,132,385	-10.6
Seattle, WA	1,479,554	1,617,776	1,245,158	3,097,330	2,733,111	13.3
Northern Total	392,783	65,320	343,305	458,103	401,802	14.0
Chicago, IL	13,150	-	-	13,150	54	NM
Cleveland, OH	339,116	57,490	309,641	396,606	358,500	10.6
Detroit, MI	32,538	4,801	25,973	37,339	30,520	22.3
Duluth, MN	107	24	-	131	-	-
Pembina, ND	7,872	3,005	7,691	10,877	12,728	-14.5
Other Ports	2,218	2,835	2,167	5,053	4,521	11.8
Total	23,001,101	20,186,058	22,017,477	43,187,159	42,757,212	1.0

- = No data reported.

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

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

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

Table 14. Steam coal exports by customs district

(short tons)

Customs district	April - June 2022	January - March 2022	April - June 2021	Year to date		Percent change
				2022	2021	
Eastern Total	3,750,802	3,521,471	5,165,309	7,272,273	9,612,934	-24.3
Baltimore, MD	2,722,347	2,581,756	4,086,277	5,304,103	7,767,884	-31.7
Boston, MA	-	-	53,537	-	53,537	-
Buffalo, NY	2,694	2,355	1,711	5,049	2,769	82.3
New York City, NY	2,537	1,787	1,593	4,324	3,035	42.5
Norfolk, VA	817,356	860,999	972,421	1,678,355	1,678,437	s
Ogdensburg, NY	112,648	74,457	40,558	187,105	98,012	90.9
Philadelphia, PA	93,126	93	9,186	93,219	9,206	NM
Portland, ME	72	-	26	72	54	33.3
St. Albans, VT	22	24	-	46	-	-
Southern Total	3,881,552	3,744,512	3,004,315	7,626,064	6,796,873	12.2
Charleston, SC	1	-	-	1	21	-95.2
El Paso, TX	22,282	35,721	48,994	58,003	74,608	-22.3
Houston-Galveston, TX	267,566	283,406	102,307	550,972	167,574	228.8
Laredo, TX	3,216	64,760	2,023	67,976	4,643	NM
Miami, FL	79	185	37	264	99	166.7
Mobile, AL	547,629	594,745	44,599	1,142,374	683,484	67.1
New Orleans, LA	3,039,579	2,764,939	2,806,316	5,804,518	5,866,371	-1.1
San Juan, PR	-	3	-	3	-	-
Savannah, GA	130	235	39	365	73	400.0
Tampa, FL	1,070	518	-	1,588	-	-
Western Total	2,266,282	2,433,447	2,147,210	4,699,729	4,331,854	8.5
Great Falls, MT	248	227	1,356	475	1,948	-75.6
Honolulu, HI	-	41	-	41	-	-
Los Angeles, CA	354,232	228,850	278,197	583,082	464,307	25.6
Nogales, AZ	4,204	2,599	14	6,803	49	NM
San Diego, CA	-	76	25	76	54	40.7
San Francisco, CA	428,044	583,878	622,460	1,011,922	1,132,385	-10.6
Seattle, WA	1,479,554	1,617,776	1,245,158	3,097,330	2,733,111	13.3
Northern Total	35,064	7,724	15,304	42,788	24,942	71.5
Chicago, IL	69	-	-	69	54	27.8
Cleveland, OH	12,250	-	-	12,250	-	-
Detroit, MI	14,766	4,695	7,613	19,461	12,160	60.0
Duluth, MN	107	24	-	131	-	-
Pembina, ND	7,872	3,005	7,691	10,877	12,728	-14.5
Other Ports	2,218	2,835	2,167	5,053	4,521	11.8
Total	9,935,918	9,709,989	10,334,305	19,645,907	20,771,124	-5.4

- = No data reported.

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

s = Absolute percentage less than 0.05.

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

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

Table 15. Metallurgical coal exports by customs district

(short tons)

Customs district	April - June 2022	January - March 2022	April - June 2021	Year to date		Percent change
				2022	2021	
Eastern Total	10,587,569	8,921,463	8,988,498	19,509,032	17,008,375	14.7
Baltimore, MD	2,646,232	1,840,748	1,537,729	4,486,980	3,287,384	36.5
Buffalo, NY	468,981	152,253	593,625	621,234	751,020	-17.3
Norfolk, VA	7,470,598	6,926,175	6,855,401	14,396,773	12,966,235	11.0
Ogdensburg, NY	1,611	2,266	1,722	3,877	3,715	4.4
St. Albans, VT	147	21	21	168	21	NM
Southern Total	2,119,873	1,497,010	2,366,673	3,616,883	4,600,853	-21.4
Charleston, SC	-	-	-	-	17	-
Houston-Galveston, TX	-	-	55,961	-	55,961	-
Laredo, TX	408	366	525	774	1,268	-39.0
Mobile, AL	1,982,526	1,483,703	2,218,023	3,466,229	4,436,008	-21.9
New Orleans, LA	136,922	12,941	92,164	149,863	107,599	39.3
Savannah, GA	17	-	-	17	-	-
Western Total	22	-	-	22	-	-
Great Falls, MT	22	-	-	22	-	-
Northern Total	357,719	57,596	328,001	415,315	376,860	10.2
Chicago, IL	13,081	-	-	13,081	-	-
Cleveland, OH	326,866	57,490	309,641	384,356	358,500	7.2
Detroit, MI	17,772	106	18,360	17,878	18,360	-2.6
Total	13,065,183	10,476,069	11,683,172	23,541,252	21,986,088	7.1

- = No data reported.

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

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

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

Table 16. U.S. coke exports

(short tons)

Continent and country of destination	April - June 2022	January - March 2022	April - June 2021	Year to date		Percent change
				2022	2021	
North America Total	353,204	246,320	461,387	599,524	608,337	-1.4
Canada*	304,053	179,541	323,555	483,594	460,923	4.9
Mexico	48,847	66,600	137,576	115,447	147,039	-21.5
Other**	304	179	256	483	375	28.8
South America Total	90,930	34,785	67,539	125,715	114,679	9.6
Brazil	90,865	34,723	67,517	125,588	114,657	9.5
Other**	65	62	22	127	22	477.3
Europe Total	317,119	244,624	24,585	561,743	47,982	NM
Netherlands	40,949	103,066	-	144,015	-	-
Other**	197,636	141,558	334	339,194	568	NM
United Kingdom	78,534	-	24,251	78,534	47,414	65.6
Asia Total	3,211	200	206	3,411	364	NM
Other**	3,211	200	206	3,411	364	NM
Australia and Oceania Total	210	225	35	435	210	107.1
Other**	210	225	35	435	210	107.1
Africa Total	-	-	33,511	-	68,925	-
South Africa	-	-	33,511	-	68,925	-
Total	764,674	526,154	587,263	1,290,828	840,497	53.6

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

** Includes countries with coal exports less than or equal to 50,000 short tons in 2021.

- = No data reported.

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

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

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

Table 17. Average Price of U.S. coke exports

(dollars per short ton)

Continent and country of destination	April - June 2022	January - March 2022	April - June 2021	Year to date		Percent change
				2022	2021	
North America Total	360.29	350.94	283.63	356.45	281.94	26.4
Canada*	343.38	327.37	245.50	337.44	252.67	33.5
Mexico	463.96	413.57	372.53	434.89	372.67	16.7
Other**	620.68	680.17	698.91	642.72	680.63	-5.6
South America Total	111.22	272.37	212.56	155.81	241.08	-35.4
Brazil	110.90	272.15	212.45	155.49	241.02	-35.5
Other**	557.60	392.79	553.55	477.14	553.55	-13.8
Europe Total	242.06	191.50	274.23	220.04	273.79	-19.6
Netherlands	246.89	218.79	-	226.78	-	-
Other**	257.56	171.62	424.62	221.70	410.76	-46.0
United Kingdom	200.51	-	272.15	200.51	272.15	-26.3
Asia Total	725.41	867.10	937.31	733.72	974.14	-24.7
Other**	725.41	867.10	937.31	733.72	974.14	-24.7
Australia and Oceania Total	433.70	174.01	342.00	299.38	520.53	-42.5
Other**	433.70	174.01	342.00	299.38	520.53	-42.5
Africa Total	-	-	385.56	-	338.94	-
South Africa	-	-	385.56	-	338.94	-
Total	283.19	271.74	281.11	278.52	280.94	-0.9

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

** Includes countries with coal exports less than or equal to 50,000 short tons in 2021.

- = No data reported.

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

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

Table 18. U.S. coal imports

(short tons)

Continent and country of origin	April - June 2022	January - March 2022	April - June 2021	Year to date		Percent change
				2022	2021	
North America Total	546,184	333,665	333,011	879,849	483,445	82.0
Canada	546,184	333,641	333,011	879,825	483,445	82.0
Mexico	-	24	-	24	-	-
South America Total	972,409	895,327	904,314	1,867,736	1,669,735	11.9
Colombia	972,409	895,327	904,314	1,867,736	1,669,735	11.9
Europe Total	-	402	122,314	402	149,531	-99.7
France	-	402	-	402	-	-
Germany, Federal Republic of	-	-	-	-	401	-
Russia	-	-	122,314	-	149,130	-
Asia Total	117,552	92,270	134,349	209,822	265,043	-20.8
China	58,977	30,302	26,336	89,279	42,783	108.7
Indonesia	58,575	61,968	108,013	120,543	222,260	-45.8
Africa Total	-	-	36,376	-	36,376	-
South Africa	-	-	36,376	-	36,376	-
Total	1,636,145	1,321,664	1,530,364	2,957,809	2,604,130	13.6

- = No data reported.

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

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

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

(dollars per short ton)

Continent and country of origin	April - June 2022	January - March 2022	April - June 2021	Year to date		Percent change
				2022	2021	
North America Total	141.45	113.80	120.97	130.97	118.94	10.1
Canada	141.45	113.78	120.97	130.96	118.94	10.1
Mexico	-	446.63	-	446.63	-	-
South America Total	85.52	75.51	60.79	80.72	60.46	33.5
Colombia	85.52	75.51	60.79	80.72	60.46	33.5
Europe Total	-	75.00	125.54	75.00	123.84	-39.4
France	-	75.00	-	75.00	-	-
Germany, Federal Republic of	-	-	-	-	74.78	-
Russia	-	-	125.54	-	123.97	-
Asia Total	76.43	94.42	79.75	84.34	79.98	5.5
China	88.02	155.04	141.15	110.76	158.98	-30.3
Indonesia	64.77	64.77	64.77	64.77	64.77	s
Africa Total	-	-	113.78	-	113.78	-
South Africa	-	-	113.78	-	113.78	-
U.S. Total*	103.54	86.50	81.99	95.92	77.69	23.5

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

- = No data reported.

s = Absolute percentage less than 0.05.

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 2022	January - March 2022	April - June 2021	Year to date		Percent change
				2022	2021	
Eastern Total	149	501	313	650	382	70.2
Boston, MA	-	402	-	402	-	-
Buffalo, NY	149	78	292	227	361	-37.1
St. Albans, VT	-	21	21	21	21	s
Southern Total	1,031,386	925,653	1,089,340	1,957,039	1,897,993	3.1
Houston-Galveston, TX	-	6,520	14,335	6,520	44,453	-85.3
Laredo, TX	-	24	-	24	-	-
Miami, FL	-	42	1,671	42	1,681	-97.5
Mobile, AL	458,174	560,402	660,532	1,018,576	1,005,389	1.3
New Orleans, LA	58,977	23,740	79,401	82,717	92,505	-10.6
San Juan, PR	475,733	259,790	260,953	735,523	607,314	21.1
Tampa, FL	38,502	75,135	72,448	113,637	146,651	-22.5
Western Total	485,833	375,846	321,980	861,679	533,918	61.4
Great Falls, MT	381,978	259,338	139,563	641,316	227,350	182.1
Honolulu, HI	103,122	116,505	173,082	219,627	287,329	-23.6
San Francisco, CA	-	-	-	-	31	-
Seattle, WA	733	3	9,335	736	19,208	-96.2
Northern Total	118,777	19,664	118,731	138,441	171,837	-19.4
Chicago, IL	30,355	-	63,655	30,355	63,655	-52.3
Cleveland, OH	-	9	-	9	401	-97.8
Detroit, MI	71,341	126	32,675	71,467	63,181	13.1
Duluth, MN	398	838	903	1,236	2,455	-49.7
Pembina, ND	16,683	18,691	21,498	35,374	42,145	-16.1
Total	1,636,145	1,321,664	1,530,364	2,957,809	2,604,130	13.6

- = No data reported.

s = Absolute percentage less than 0.05.

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

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

Table 21. U.S. coke imports

(short tons)

Continent and country of origin	April - June 2022	January - March 2022	April - June 2021	Year to date		Percent change
				2022	2021	
North America Total	1,453	228	9,908	1,681	19,216	-91.3
Canada	1,453	228	9,908	1,681	19,216	-91.3
Europe Total	17,385	42	16,808	17,427	17,391	0.2
Czech Republic	17,364	-	16,680	17,364	16,680	4.1
Germany, Federal Republic of	-	-	128	-	316	-
Italy	-	-	-	-	375	-
Netherlands	-	21	-	21	-	-
United Kingdom	21	21	-	42	20	110.0
Asia Total	137	814	802	951	1,388	-31.5
China	137	746	247	883	420	110.2
Hong Kong	-	-	-	-	25	-
India	-	68	44	68	88	-22.7
Japan	-	-	511	-	855	-
Africa Total	4,750	7,414	3,370	12,164	9,060	34.3
Mozambique	-	457	62	457	62	NM
South Africa	4,750	6,957	3,308	11,707	8,998	30.1
U.S. Total	23,725	8,498	30,888	32,223	47,055	-31.5

- = No data reported.

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

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

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

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

(dollars per short ton)

Continent and country of origin	April - June 2022	January - March 2022	April - June 2021	Year to date		Percent change
				2022	2021	
North America Total	903.89	272.80	173.07	818.29	172.88	373.3
Canada	903.89	272.80	173.07	818.29	172.88	373.3
Europe Total	457.47	631.90	305.84	457.89	308.50	48.4
Czech Republic	456.39	-	303.90	456.39	303.90	50.2
Germany, Federal Republic of	-	-	557.92	-	559.28	-
Italy	-	-	-	-	270.32	-
Netherlands	-	416.19	-	416.19	-	-
United Kingdom	1,348.10	847.62	-	1,097.86	900.00	22.0
Asia Total	895.80	1,627.35	456.07	1,521.97	477.94	218.4
China	895.80	1,673.03	686.17	1,552.44	734.99	111.2
Hong Kong	-	-	-	-	1,038.40	-
India	-	1,126.19	769.09	1,126.19	645.91	74.4
Japan	-	-	317.90	-	317.99	-
Africa Total	538.46	437.74	371.41	477.07	343.31	39.0
Mozambique	-	387.93	354.74	387.93	354.74	9.4
South Africa	538.46	441.01	371.72	480.55	343.23	40.0
U.S. Total	503.56	548.22	274.30	515.34	264.82	94.6

- = No data reported.

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

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

Receipts and prices

Table 23. Coal receipts at coke plants by census division

(thousand short tons)

Census division	April - June 2022	January - March 2022	April - June 2021	Year to date		Percent change
				2022	2021	
Middle Atlantic	1,389	1,494	1,383	2,883	2,666	8.2
East North Central	2,305	2,129	2,823	4,434	5,198	-14.7
South Atlantic	193	262	428	456	882	-48.4
East South Central	121	171	173	293	330	-11.5
U.S. Total	4,009	4,056	4,807	8,065	9,076	-11.1

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

(dollars per short ton)

Census division	April - June 2022	January - March 2022	April - June 2021	Year to date		Percent change
				2022	2021	
Middle Atlantic	w	w	w	w	w	w
East North Central	220.57	201.08	126.90	211.21	127.23	66.0
South Atlantic	w	w	w	w	w	w
East South Central	w	w	w	w	w	w
U.S. Total	200.54	185.30	117.83	192.88	117.56	64.1

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 2022	January - March 2022	April - June 2021	Year to date		Percent change
				2022	2021	
Coke						
Sales	1,768	1,546	1,844	3,314	3,466	-4.4
Average Price	415.39	379.03	295.70	398.43	297.77	33.8
Breeze						
Sales	190	72	98	261	194	35.0
Average Price	115.42	87.12	79.65	107.66	78.24	37.6

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

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

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

(thousand short tons)

Census division and state	April - June 2022	January - March 2022	April - June 2021	Year to date		Percent change
				2022	2021	
Middle Atlantic	222	144	171	366	331	10.4
New York	97	27	48	124	112	10.6
Pennsylvania	125	117	123	242	219	10.2
East North Central	1,052	940	1,147	1,992	2,259	-11.8
Illinois	447	463	492	910	1,050	-13.3
Indiana	341	198	390	539	689	-21.8
Michigan	54	43	78	96	118	-18.3
Ohio	98	110	94	208	202	3.0
Wisconsin	113	126	92	239	200	19.6
West North Central	2,889	2,973	2,597	5,862	5,362	9.3
Iowa	624	526	541	1,150	992	16.0
Kansas	27	25	19	52	37	39.7
Minnesota	212	279	99	491	377	30.3
Missouri	237	185	254	422	454	-7.1
Nebraska	231	279	275	511	478	6.9
North Dakota	1,490	1,606	1,363	3,096	2,928	5.7
South Dakota	68	73	47	141	96	46.6
South Atlantic	493	503	540	996	1,091	-8.7
Florida	52	46	67	98	114	-14.5
Georgia	59	64	65	123	152	-18.9
Maryland	122	71	113	193	185	4.2
North Carolina	100	108	86	208	192	8.8
South Carolina	11	33	30	44	74	-40.3
Virginia	77	123	110	200	216	-7.5
West Virginia	72	57	68	130	158	-18.2
East South Central	743	682	661	1,425	1,246	14.3
Alabama	190	178	173	368	324	13.5
Kentucky	230	209	165	438	286	53.2
Mississippi	22	16	30	37	45	-16.8
Tennessee	302	280	294	581	591	-1.6
West South Central	235	287	183	523	342	52.7
Arkansas	25	35	43	60	69	-13.2
Louisiana	84	85	58	168	136	24.0
Oklahoma	50	89	19	139	43	222.3
Texas	77	78	62	155	94	64.6
Mountain	621	662	617	1,283	1,254	2.3
Arizona	65	67	64	132	146	-9.4
Colorado	37	33	36	70	58	21.0
Idaho	10	4	31	15	44	-67.1
Montana	44	50	33	94	79	18.2
Nevada	54	71	43	125	98	27.1
New Mexico	13	15	14	27	28	-1.7
Utah	83	75	76	158	161	-2.1
Wyoming	315	347	319	661	639	3.6
Pacific	318	365	357	683	687	-0.6
Alaska	s	s	s	1	1	s
California	278	329	329	607	615	-1.3
Oregon	16	15	12	32	34	-5.8
Washington	23	20	15	43	37	16.9
U.S. Total	6,574	6,556	6,272	13,130	12,572	4.4

- = No data reported.

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

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

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

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

(dollars per short ton)

Census division and state	April - June 2022	January - March 2022	April - June 2021	Year to date		Percent change
				2022	2021	
Middle Atlantic	97.39	103.27	83.77	99.69	85.08	17.2
New York	w	w	w	w	w	w
Pennsylvania	w	w	w	w	w	w
East North Central	82.78	73.56	70.24	78.43	70.04	12.0
Illinois	w	w	w	w	w	w
Indiana	w	w	w	w	w	w
Michigan	91.63	91.07	83.68	91.38	93.65	-2.4
Ohio	136.63	118.57	108.91	127.06	105.91	20.0
Wisconsin	90.73	92.49	89.65	91.66	88.46	3.6
West North Central	30.27	29.69	27.44	29.98	27.88	7.5
Iowa	32.63	w	33.89	w	w	w
Kansas	w	w	w	w	w	w
Minnesota	51.80	51.31	45.45	51.52	48.20	6.9
Missouri	57.80	54.60	46.04	56.40	47.13	19.7
Nebraska	w	24.97	w	w	w	w
North Dakota	w	w	w	w	w	w
South Dakota	w	w	w	w	w	w
South Atlantic	140.66	128.46	91.37	134.51	93.14	44.4
Florida	212.16	144.47	102.86	180.48	100.07	80.4
Georgia	155.64	190.95	w	174.01	w	w
Maryland	w	w	w	w	w	w
North Carolina	131.84	116.47	95.79	123.87	96.28	28.7
South Carolina	w	105.53	101.54	w	w	w
Virginia	141.77	107.04	86.11	120.38	89.24	34.9
West Virginia	w	w	w	w	w	w
East South Central	127.37	115.02	96.05	121.46	97.00	25.2
Alabama	w	w	w	w	w	w
Kentucky	141.93	113.15	93.91	128.23	100.59	27.5
Mississippi	w	w	w	w	w	w
Tennessee	109.88	106.01	90.10	108.02	90.14	19.8
West South Central	91.60	75.87	79.56	83.16	76.03	9.4
Arkansas	w	w	w	w	w	w
Louisiana	w	w	w	w	w	w
Oklahoma	w	90.33	w	w	w	w
Texas	98.36	95.44	84.12	96.89	84.36	14.9
Mountain	68.68	64.74	63.77	66.65	61.29	8.7
Arizona	w	w	w	w	w	w
Colorado	w	w	w	w	w	w
Idaho	179.73	w	w	w	w	w
Montana	w	41.15	w	w	w	w
Nevada	89.71	86.57	80.56	87.93	77.81	13.0
New Mexico	w	w	w	w	w	w
Utah	55.70	54.48	51.03	55.12	50.73	8.7
Wyoming	54.45	54.42	51.26	54.44	50.59	7.6
Pacific	91.49	83.18	86.16	87.04	83.63	4.1
California	93.14	83.50	85.98	87.91	83.73	5.0
Oregon	w	w	w	w	w	w
Washington	w	w	w	w	w	w
U.S. Total	68.96	62.53	57.95	65.75	57.15	15.0

- = No data reported.

w = Data withheld to avoid disclosure.

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

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

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

NAICS code	April - June 2022	January - March 2022	April - June 2021	Year to date		Percent change
				2022	2021	
311 Food Manufacturing	1,594	1,679	1,498	3,273	3,166	3.4
312 Beverage and Tobacco Product Mfg.	4	3	3	7	8	-8.8
313 Textile Mills	3	6	8	9	21	-57.5
322 Paper Manufacturing	339	442	361	780	773	0.9
324 Petroleum and Coal Products	1,373	1,485	1,279	2,858	2,717	5.2
325 Chemical Manufacturing	725	750	744	1,475	1,501	-1.8
327 Nonmetallic Mineral Products Mfg.	1,920	1,699	1,709	3,619	3,118	16.1
331 Primary Metal Manufacturing	307	210	366	516	673	-23.3
333 Machinery Manufacturing	33	29	16	62	34	85.4
339 Miscellaneous Manufacturing	276	254	288	530	562	-5.7
U.S. Total	6,574	6,556	6,272	13,130	12,572	4.4

* Includes coal gasification projects.

** Excludes coke plants.

- = No data reported.

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

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

Table 29. Average price of U.S. coal receipts at manufacturing plants by North American Industry Classification System (NAICS) code
(dollars per short ton)

NAICS code	April - June 2022	January - March 2022	April - June 2021	Year to date		Percent change
				2022	2021	
311 Food Manufacturing	36.92	38.10	36.82	37.53	37.77	-0.6
312 Beverage and Tobacco Product Mfg.	w	w	w	w	w	w
313 Textile Mills	w	141.56	w	w	w	w
322 Paper Manufacturing	116.30	109.54	91.14	112.53	90.74	24.0
324 Petroleum and Coal Products	w	w	w	w	w	w
325 Chemical Manufacturing	98.37	89.96	86.33	94.10	84.28	11.7
327 Nonmetallic Mineral Products Mfg.	93.22	84.10	70.64	88.94	71.59	24.2
331 Primary Metal Manufacturing	186.00	190.14	132.41	187.68	136.88	37.1
333 Machinery Manufacturing	w	w	w	w	w	w
339 Miscellaneous Manufacturing	65.99	61.14	57.61	63.66	58.31	9.2
U.S. Total	68.96	62.53	57.95	65.75	57.15	15.0

* 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 2022	January - March 2022	April - June 2021	Year to date		Percent change
				2022	2021	
Middle Atlantic	s	1	1	1	5	-72.8
Pennsylvania	s	1	1	1	5	-72.8
East North Central	19	49	24	68	75	-9.1
Illinois	13	26	15	39	45	-12.6
Indiana	6	23	9	29	30	-3.9
West North Central	28	36	14	64	47	36.3
Iowa	22	22	14	43	34	26.3
Minnesota	s	5	s	5	2	213.2
Missouri	-	4	-	4	5	-22.6
North Dakota	6	5	-	12	6	99.7
South Atlantic	5	9	6	14	29	-52.1
North Carolina	5	5	5	10	26	-61.4
Virginia	s	4	1	4	3	27.5
East South Central	-	s	s	s	1	-69.7
Kentucky	-	s	s	s	1	-69.7
Mountain	1	5	1	6	4	44.0
Colorado	-	-	s	-	s	-
Wyoming	1	5	1	6	4	60.9
Pacific	94	125	89	219	232	-5.7
Alaska	94	125	89	219	232	-5.7
U.S. Total	147	225	135	372	393	-5.2

- = 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.'

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 2022	January - March 2022	April - June 2021	Year to date		Percent change
				2022	2021	
Middle Atlantic	w	w	w	w	w	w
Pennsylvania	w	w	w	w	w	w
East North Central	51.33	58.44	51.86	56.48	55.46	1.8
Illinois	w	w	w	w	w	w
Indiana	w	w	w	w	w	w
West North Central	83.40	85.36	w	84.50	w	w
Iowa	w	w	w	w	w	w
Minnesota	w	w	w	w	w	w
Missouri	-	w	-	w	w	w
North Dakota	w	w	-	w	w	w
South Atlantic	w	141.36	w	w	w	w
North Carolina	w	w	w	w	w	w
Virginia	w	w	w	w	w	w
East South Central	-	w	w	w	w	w
Kentucky	-	w	w	w	w	w
Mountain	w	w	w	w	w	w
Colorado	-	-	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	85.16	84.07	81.12	84.50	81.31	3.9

- = 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, 2016 - 2022

(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	
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	3,483	5,051	8,534	194	179	373	173,712
April - June	154,230	4,325	3,095	5,013	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	3,315	5,056	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	145,189	4,463	3,056	4,718	7,774	172	148	320	157,746
April - June	117,771	4,660	2,611	4,392	7,003	105	71	176	129,609
July - September	155,612	4,455	2,515	4,491	7,006	112	42	154	167,226
October - December	120,034	4,389	2,711	4,601	7,312	131	96	227	131,962
Total	538,606	17,967	10,892	18,203	29,095	519	357	876	586,543
2020									
January - March	97,975	4,276	2,684	4,385	7,069	149	157	306	109,626
April - June	87,101	3,455	2,114	3,523	5,637	92	50	143	96,336
July - September	139,009	3,162	2,228	3,743	5,971	106	43	148	148,290
October - December	111,742	3,520	2,428	4,555	6,983	127	70	196	122,441
Total	435,827	14,414	9,453	16,207	25,660	473	320	793	476,693
2021									
January - March	127,966	4,361	2,433	4,149	6,583	159	114	272	139,182
April - June	113,766	4,489	2,408	3,751	6,159	111	42	153	124,566
July - September	156,993	4,366	2,486	3,851	6,337	134	32	165	167,862
October - December	102,702	4,372	2,645	4,135	6,780	142	78	220	114,074
Total	501,427	17,589	9,972	15,887	25,859	545	266	811	545,685
2022									
January - March	122,608	4,153	2,625	4,060	6,685	124	120	244	133,690
April - June	107,373	3,949	2,590	3,967	6,556	100	42	142	118,020
Total	229,981	8,102	5,215	8,027	13,242	224	162	386	251,710
2021 January - June	241,732	8,850	4,841	7,901	12,741	270	156	425	263,749
2020 January - June	185,076	7,731	4,797	7,908	12,706	241	208	448	205,961

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 2022	January - March 2022	April - June 2021	Year to date		Percent change
				2022	2021	
Middle Atlantic	1,384	1,366	1,324	2,750	2,547	8.0
East North Central	2,213	2,261	2,531	4,474	5,055	-11.5
South Atlantic	215	357	437	572	856	-33.2
East South Central	137	169	197	305	393	-22.3
U.S. Total	3,949	4,153	4,489	8,102	8,850	-8.5

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

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

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

(thousand short tons)

Census division and state	April - June 2022	January - March 2022	April - June 2021	Year to date		Percent change
				2022	2021	
Middle Atlantic	212	151	165	363	352	3.0
New York	86	23	38	109	114	-4.2
Pennsylvania	126	128	127	254	239	6.5
East North Central	1,065	1,102	1,135	2,166	2,373	-8.7
Illinois	438	476	491	914	1,055	-13.4
Indiana	324	280	374	603	729	-17.2
Michigan	78	92	61	170	131	29.9
Ohio	94	108	93	202	205	-1.1
Wisconsin	130	146	117	277	254	9.0
West North Central	2,860	3,021	2,545	5,881	5,350	9.9
Iowa	619	562	581	1,181	1,049	12.6
Kansas	23	16	10	38	14	164.1
Minnesota	217	269	102	486	381	27.8
Missouri	231	160	252	391	451	-13.1
Nebraska	255	267	254	522	459	13.8
North Dakota	1,458	1,689	1,302	3,147	2,901	8.5
South Dakota	58	57	43	115	95	20.6
South Atlantic	486	487	533	973	1,090	-10.7
Florida	49	53	46	101	96	5.9
Georgia	59	82	72	141	154	-8.0
Maryland	111	76	112	187	180	3.6
North Carolina	89	107	88	197	189	3.9
South Carolina	16	19	32	34	71	-51.9
Virginia	88	94	109	182	220	-17.5
West Virginia	74	57	75	131	180	-27.2
East South Central	710	636	639	1,346	1,252	7.5
Alabama	180	160	178	340	335	1.4
Kentucky	213	196	178	409	303	34.8
Mississippi	17	17	21	35	40	-12.9
Tennessee	300	262	262	562	573	-1.9
West South Central	265	257	189	522	369	41.7
Arkansas	39	31	41	70	76	-7.7
Louisiana	83	85	58	168	135	24.4
Oklahoma	76	65	20	141	39	263.9
Texas	67	77	69	143	119	20.8
Mountain	632	678	603	1,310	1,279	2.4
Arizona	66	73	62	139	124	12.1
Colorado	51	26	39	77	61	26.0
Idaho	8	33	16	41	66	-37.4
Montana	35	65	30	100	93	8.0
Nevada	59	57	50	116	113	2.6
New Mexico	13	15	14	28	29	-3.9
Utah	78	52	82	131	156	-16.0
Wyoming	320	358	311	678	638	6.3
Pacific	327	354	349	680	677	0.5
Alaska	s	s	s	1	1	s
California	306	315	332	621	618	0.6
Oregon	-	15	-	15	21	-29.5
Washington	21	23	17	43	38	15.1
U.S. Total	6,556	6,685	6,159	13,242	12,741	3.9

- = No data reported.

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

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

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

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

NAICS code	April - June 2022	January - March 2022	April - June 2021	Year to date		Percent change
				2022	2021	
311 Food Manufacturing	1,621	1,766	1,432	3,387	3,206	5.7
312 Beverage and Tobacco Product Mfg.	4	3	3	7	7	-5.9
313 Textile Mills	4	5	9	8	19	-57.8
322 Paper Manufacturing	392	443	369	835	811	3.0
324 Petroleum and Coal Products	1,332	1,531	1,274	2,863	2,693	6.3
325 Chemical Manufacturing	724	735	707	1,459	1,500	-2.7
327 Nonmetallic Mineral Products Mfg.	1,898	1,644	1,723	3,541	3,204	10.5
331 Primary Metal Manufacturing	277	266	343	543	701	-22.5
333 Machinery Manufacturing	28	20	16	48	36	32.2
339 Miscellaneous Manufacturing	277	272	284	549	563	-2.4
U.S. Total	6,556	6,685	6,159	13,242	12,741	3.9

* 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 2022	January - March 2022	April - June 2021	Year to date		Percent change
				2022	2021	
Middle Atlantic	s	2	1	3	6	-56.0
Pennsylvania	s	2	1	3	6	-56.0
East North Central	24	48	28	73	77	-5.9
Illinois	16	25	18	41	46	-11.6
Indiana	8	24	10	32	31	2.4
West North Central	20	41	13	62	58	6.0
Iowa	15	24	10	39	35	12.0
Minnesota	s	3	s	3	5	-49.4
Missouri	-	5	-	5	6	-22.9
North Dakota	5	10	3	15	12	28.9
South Atlantic	2	17	11	19	34	-42.9
North Carolina	2	14	11	15	30	-47.8
Virginia	1	3	1	4	4	-10.3
East South Central	-	1	2	1	3	-76.7
Kentucky	-	1	2	1	3	-76.7
Mountain	1	6	1	7	5	36.5
Colorado	-	s	-	s	s	-54.3
Montana	s	1	-	1	1	-27.3
Wyoming	1	5	1	6	4	60.9
Pacific	94	128	97	222	242	-7.9
Alaska	94	128	97	222	242	-7.9
U.S. Total	142	244	153	386	425	-9.1

- = 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, 2016 - 2022

(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			
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	126,008	1,508	2,891	275	130,682	24,736	155,418
June 30	121,041	1,616	2,896	256	125,809	22,997	148,806
September 30	100,384	1,811	3,023	260	105,478	22,537	128,015
December 31	102,793	1,807	3,258	247	108,104	21,692	129,796
2019							
March 31	96,932	2,005	2,832	221	101,990	24,160	126,150
June 30	116,875	2,296	2,985	201	122,358	24,529	146,887
September 30	110,615	2,463	3,168	232	116,478	27,714	144,192
December 31	128,102	2,333	3,258	246	133,940	31,320	165,260
2020							
March 31	145,034	2,148	3,020	212	150,413	30,829	181,242
June 30	149,935	2,022	3,019	213	155,189	29,510	184,699
September 30	127,902	1,975	2,907	234	133,018	25,537	158,555
December 31	131,431	1,654	2,848	250	136,182	23,640	159,822
2021							
March 31	111,494	1,545	2,538	229	115,807	28,146*	143,953
June 30	110,851	1,853	2,625	210	115,539	26,064*	141,603
September 30	80,413	1,794	2,636	201	85,044	23,449*	108,493
December 31	94,654	1,658	2,624	176	99,113	25,295*	124,408
2022							
March 31	86,191	1,590	2,402	157	90,340	26,439*	116,779
June 30	87,251	1,620	2,374	158	91,404	28,393*	119,797

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, 2022	March 31, 2022	June 30, 2021	Percent change (June 30) 2022 versus 2021
Middle Atlantic	576	567	483	19.2
East North Central	834	764	1,061	-21.4
South Atlantic	135	159	189	-28.7
East South Central	76	99	121	-37.3
U.S. Total	1,620	1,590	1,853	-12.6

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

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

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

(thousand short tons)

Census division and state	June 30, 2022	March 31, 2022	June 30, 2021	Percent change (June 30) 2022 versus 2021
Middle Atlantic	204	207	190	7.4
New York	59	61	61	-3.7
Pennsylvania	145	146	129	12.7
East North Central	364	389	480	-24.1
Illinois	55	46	117	-52.8
Indiana	169	159	156	8.1
Michigan	64	86	115	-43.9
Ohio	25	22	25	0.1
Wisconsin	51	76	67	-24.4
West North Central	531	505	515	3.1
Iowa	144	139	118	21.6
Kansas	18	14	30	-39.0
Minnesota	39	44	34	14.9
Missouri	69	66	46	48.0
Nebraska	31	55	49	-35.7
North Dakota	183	151	197	-7.1
South Dakota	46	37	40	15.0
South Atlantic	287	275	357	-19.5
Florida	52	44	69	-24.9
Georgia	29	26	49	-40.7
Maryland	22	11	11	91.4
North Carolina	73	65	68	7.1
South Carolina	45	50	46	-2.3
Virginia	46	57	49	-5.5
West Virginia	20	22	64	-68.8
East South Central	222	192	214	4.0
Alabama	85	75	56	51.0
Kentucky	66	51	40	65.3
Mississippi	6	2	14	-58.5
Tennessee	66	64	104	-36.8
West South Central	217	253	229	-5.1
Arkansas	18	32	26	-30.7
Louisiana	4	4	4	0.9
Oklahoma	83	108	84	-1.3
Texas	112	108	115	-2.3
Mountain	433	437	511	-15.4
Arizona	25	26	46	-45.4
Colorado	11	25	12	-9.2
Idaho	150	148	189	-20.4
Montana	35	22	60	-42.2
Nevada	27	30	37	-27.2
New Mexico	2	2	2	-14.6
Utah	70	65	33	113.7
Wyoming	113	119	133	-15.0
Pacific	116	145	129	-10.3
California	88	136	111	-20.7
Oregon	23	6	15	58.0
Washington	5	3	3	41.2
U.S. Total	2,374	2,402	2,625	-9.5

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.'

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

(thousand short tons)

NAICS code	June 30, 2022	March 31, 2022	June 30, 2021	Percent change (June 30) 2022 versus 2021
311 Food Manufacturing	445	470	600	-25.8
312 Beverage and Tobacco Product Mfg.	1	1	1	-17.6
313 Textile Mills	8	8	6	39.9
322 Paper Manufacturing	150	199	193	-22.4
324 Petroleum and Coal Products	197	156	187	5.5
325 Chemical Manufacturing	141	141	260	-45.6
327 Nonmetallic Mineral Products Mfg.	1,132	1,153	1,098	3.1
331 Primary Metal Manufacturing	119	97	109	9.0
333 Machinery Manufacturing	33	28	17	98.5
339 Miscellaneous Manufacturing	149	150	155	-4.2
U.S. Total	2,374	2,402	2,625	-9.5

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

(thousand short tons)

Census division	June 30, 2022	March 31, 2022	June 30, 2021	Percent change (June 30) 2022 versus 2021
Middle Atlantic	12	13	37	-67.8
East North Central	306	417	337	-9.2
South Atlantic	33	62	98	-65.9
East South Central	16	31	158	-90.0
U.S. Total	367	522	630	-41.8
Coke Total	310	419	469	-33.9
Breeze Total	57	103	161	-64.8

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

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

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

(thousand short tons)

Census division and state	June 30, 2022	March 31, 2022	June 30, 2021	Percent change (June 30) 2022 versus 2021
Middle Atlantic	20	20	21	-5.7
Pennsylvania	20	20	21	-5.7
East North Central	19	25	18	8.2
Illinois	19	22	17	10.0
Indiana	1	3	1	-29.5
West North Central	27	21	28	-1.2
Iowa	18	12	22	-16.6
Minnesota	6	7	5	27.3
North Dakota	3	1	1	287.1
South Atlantic	37	35	38	-2.6
District of Columbia	3	3	3	s
North Carolina	25	22	25	3.3
Virginia	8	10	10	-17.6
East South Central	4	4	4	-14.0
Kentucky	4	4	4	-14.0
Mountain	3	3	3	-9.6
Colorado	s	s	1	-21.3
Montana	2	2	2	-6.6
Wyoming	s	s	s	s
Pacific	50	50	100	-50.2
Alaska	50	50	100	-50.2
U.S. Total	158	157	210	-24.7

- = No data reported.

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

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

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

Quality

Table 43. Average quality of coal received at manufacturing and coke Plants by census division and state

Census division and state ¹	April - June 2022	January - March 2022	April - June 2021	Year to date		Percent change
				2022	2021	
Middle Atlantic						
Btu	14,124	14,209	14,231	14,167	14,244	-0.5
Sulfur	1.19	1.09	1.17	1.14	1.16	-2.3
Ash	7.29	7.32	7.38	7.31	7.33	-0.4
New York						
Btu	12,742	12,716	12,653	12,737	12,705	0.3
Sulfur	2.19	2.26	2.18	2.21	2.21	s
Ash	9.56	9.53	9.13	9.55	9.23	3.5
Pennsylvania						
Btu	14,213	14,234	14,281	14,223	14,303	-0.6
Sulfur	1.13	1.07	1.14	1.09	1.12	-2.6
Ash	7.14	7.28	7.33	7.22	7.26	-0.6
East North Central						
Btu	13,335	13,467	13,495	13,398	13,485	-0.6
Sulfur	1.23	1.28	1.15	1.25	1.19	5.0
Ash	7.44	7.49	7.35	7.47	7.32	2.0
Illinois						
Btu	12,180	12,040	11,742	12,111	11,779	2.8
Sulfur	2.46	2.47	2.16	2.47	2.14	15.5
Ash	7.60	7.63	7.43	7.62	7.44	2.3
Indiana						
Btu	13,849	14,176	14,184	14,003	14,190	-1.3
Sulfur	0.87	0.88	0.98	0.87	0.98	-11.3
Ash	7.32	7.49	7.45	7.40	7.46	-0.8
Michigan						
Btu	12,936	12,847	12,891	12,910	12,890	0.2
Sulfur	0.72	0.76	0.69	0.73	0.69	5.6
Ash	7.74	7.90	7.07	7.79	7.13	9.2
Ohio						
Btu	14,191	14,208	14,274	14,200	14,291	-0.6
Sulfur	1.05	1.01	0.97	1.03	0.96	6.9
Ash	7.38	7.36	7.29	7.37	7.13	3.3
Wisconsin						
Btu	10,702	10,763	10,859	10,734	10,883	-1.4
Sulfur	1.00	0.98	0.99	0.99	0.96	2.8
Ash	7.01	6.96	7.15	6.98	6.86	1.7
West North Central						
Btu	8,235	8,130	8,265	8,182	8,201	-0.2
Sulfur	0.78	0.75	0.91	0.76	0.87	-12.1
Ash	5.60	6.33	6.53	5.97	6.42	-7.0
Iowa						
Btu	8,946	8,877	9,142	8,914	9,060	-1.6
Sulfur	0.52	0.39	0.77	0.46	0.66	-29.6
Ash	4.77	4.85	5.31	4.81	5.16	-6.9
Kansas						
Btu	10,397	10,470	10,767	10,432	10,655	-2.1
Sulfur	2.19	2.09	2.64	2.14	2.49	-14.1
Ash	13.37	13.18	13.10	13.28	12.97	2.4
Minnesota						
Btu	9,297	9,344	9,300	9,324	9,328	s
Sulfur	0.35	0.36	0.36	0.36	0.36	0.7
Ash	4.32	4.21	4.39	4.26	4.24	0.3
Missouri						
Btu	11,168	11,173	11,196	11,170	11,177	-0.1
Sulfur	2.13	2.10	2.49	2.12	2.54	-16.7
Ash	8.48	8.67	8.63	8.56	8.76	-2.3
Nebraska						

Census division and state¹	April - June 2022	January - March 2022	April - June 2021	Year to date		Percent change
				2022	2021	
Btu	8,721	8,743	8,698	8,733	8,712	0.2
Sulfur	0.22	0.22	0.22	0.22	0.22	1.4
Ash	4.50	4.55	4.50	4.53	4.55	-0.5
North Dakota						
Btu	7,216	7,186	7,169	7,200	7,181	0.3
Sulfur	0.81	0.87	0.84	0.84	0.84	-0.2
Ash	5.72	7.17	7.11	6.47	7.00	-7.5
South Dakota						
Btu	8,009	8,019	8,448	8,014	8,434	-5.0
Sulfur	0.35	0.35	0.56	0.35	0.56	-36.9
Ash	5.21	5.07	6.27	5.14	6.25	-17.7
South Atlantic						
Btu	12,984	13,430	13,454	13,219	13,485	-2.0
Sulfur	1.13	1.10	1.04	1.12	1.03	8.6
Ash	10.91	9.02	9.52	9.92	9.13	8.6
Florida						
Btu	12,302	12,274	12,677	12,289	12,767	-3.7
Sulfur	2.24	2.47	1.34	2.34	1.45	61.9
Ash	9.67	10.44	9.49	10.03	10.06	-0.3
Georgia						
Btu	12,281	12,399	12,873	12,342	12,694	-2.8
Sulfur	0.95	0.96	0.80	0.95	0.86	10.3
Ash	11.24	10.64	8.18	10.93	8.90	22.8
Maryland						
Btu	10,836	11,903	11,524	11,230	11,791	-4.8
Sulfur	1.22	1.34	1.48	1.26	1.44	-12.4
Ash	23.17	18.69	22.30	21.51	20.57	4.6
North Carolina						
Btu	13,271	13,568	13,603	13,425	13,585	-1.2
Sulfur	0.90	0.92	0.86	0.91	0.89	2.7
Ash	8.51	7.74	6.81	8.11	6.76	20.0
South Carolina						
Btu	12,380	12,691	13,013	12,615	13,051	-3.3
Sulfur	2.21	1.73	1.42	1.85	1.21	52.8
Ash	10.35	8.72	8.71	9.12	7.75	17.6
Virginia						
Btu	14,085	14,007	14,006	14,043	14,028	0.1
Sulfur	0.92	0.84	0.83	0.87	0.84	4.5
Ash	7.14	7.43	7.41	7.30	7.49	-2.6
West Virginia						
Btu	13,258	13,865	13,920	13,640	13,777	-1.0
Sulfur	1.32	1.21	1.08	1.25	1.09	14.5
Ash	8.31	7.37	8.02	7.72	8.19	-5.7
East South Central						
Btu	13,129	13,152	13,337	13,140	13,316	-1.3
Sulfur	1.29	1.36	1.32	1.32	1.30	1.7
Ash	7.25	7.79	7.26	7.52	7.30	3.1
Alabama						
Btu	13,319	13,533	13,744	13,432	13,684	-1.8
Sulfur	1.23	1.18	1.22	1.21	1.19	1.1
Ash	7.86	8.41	7.87	8.15	7.76	5.0
Kentucky						
Btu	13,007	12,658	12,681	12,841	12,793	0.4
Sulfur	1.29	1.33	1.31	1.31	1.19	10.1
Ash	6.50	7.86	6.82	7.15	7.10	0.7
Mississippi						
Btu	14,748	14,677	14,704	14,718	14,719	s
Sulfur	0.82	0.73	0.78	0.78	0.76	2.0
Ash	3.84	3.80	3.62	3.82	3.61	5.9
Tennessee						
Btu	12,908	12,958	13,088	12,932	13,054	-0.9

Census division and state¹	April - June 2022	January - March 2022	April - June 2021	Year to date		Percent change
				2022	2021	
Sulfur	1.37	1.63	1.49	1.50	1.51	-0.9
Ash	7.45	7.21	7.16	7.33	7.16	2.4
West South Central						
Btu	10,338	9,942	10,397	10,120	10,137	-0.2
Sulfur	0.65	0.60	0.65	0.62	0.70	-11.6
Ash	7.66	7.63	7.63	7.64	7.27	5.1
Arkansas						
Btu	11,453	11,358	11,520	11,397	11,482	-0.7
Sulfur	1.23	1.03	1.02	1.11	1.26	-11.8
Ash	8.51	8.85	8.36	8.71	8.72	-0.1
Louisiana						
Btu	7,489	7,489	7,489	7,489	7,489	s
Sulfur	0.54	0.55	0.52	0.55	0.50	8.4
Ash	7.20	7.68	6.24	7.44	6.37	16.9
Oklahoma						
Btu	12,526	10,239	13,217	11,063	13,424	-17.6
Sulfur	0.71	0.56	0.65	0.62	0.69	-10.4
Ash	7.75	6.83	5.83	7.16	5.41	32.4
Texas						
Btu	11,645	11,633	11,504	11,639	11,465	1.5
Sulfur	0.55	0.50	0.53	0.52	0.60	-11.9
Ash	7.82	7.94	8.97	7.88	8.38	-6.0
Mountain						
Btu	10,775	10,614	10,929	10,692	10,793	-0.9
Sulfur	0.52	0.46	0.49	0.49	0.50	-2.2
Ash	6.52	6.63	6.39	6.58	6.46	1.9
Arizona						
Btu	11,670	11,744	11,659	11,708	11,574	1.2
Sulfur	0.65	0.63	0.67	0.64	0.69	-6.4
Ash	8.14	8.61	10.78	8.38	10.03	-16.4
Colorado						
Btu	11,949	11,870	12,053	11,912	12,081	-1.4
Sulfur	0.59	0.55	0.56	0.57	0.56	1.2
Ash	8.35	8.10	9.75	8.23	9.32	-11.7
Idaho						
Btu	12,484	12,849	12,397	12,595	12,054	4.5
Sulfur	0.77	0.53	0.38	0.69	0.38	84.4
Ash	9.83	8.20	8.84	9.33	9.44	-1.1
Montana						
Btu	9,888	8,831	9,740	9,324	9,054	3.0
Sulfur	0.37	0.29	0.34	0.33	0.42	-20.9
Ash	5.21	5.01	5.23	5.10	5.72	-10.7
Nevada						
Btu	11,418	11,603	11,870	11,523	11,756	-2.0
Sulfur	0.47	0.44	0.37	0.45	0.40	14.6
Ash	9.29	10.49	8.38	9.97	9.08	9.8
New Mexico						
Btu	12,345	12,361	12,190	12,354	12,266	0.7
Sulfur	0.66	0.65	0.61	0.65	0.67	-2.2
Ash	9.50	9.45	10.60	9.47	10.11	-6.3
Utah						
Btu	11,771	11,718	11,804	11,745	11,656	0.8
Sulfur	0.45	0.45	0.42	0.45	0.42	8.6
Ash	10.70	11.06	9.89	10.87	9.98	8.9
Wyoming						
Btu	10,084	9,989	10,240	10,035	10,195	-1.6
Sulfur	0.53	0.45	0.51	0.48	0.51	-4.8
Ash	4.35	4.46	3.71	4.41	3.82	15.5
Pacific						
Btu	11,293	11,339	11,572	11,318	11,480	-1.4
Sulfur	0.49	0.38	0.37	0.44	0.40	8.3

Census division and state ¹	April - June 2022	January - March 2022	April - June 2021	Year to date		Percent change
				2022	2021	
Ash	7.89	8.40	8.61	8.16	8.90	-8.3
California						
Btu	11,467	11,449	11,673	11,458	11,596	-1.2
Sulfur	0.45	0.39	0.37	0.42	0.41	2.0
Ash	7.96	8.56	8.79	8.28	9.12	-9.2
Oregon						
Btu	11,005	11,463	11,589	11,227	11,632	-3.5
Sulfur	1.42	0.33	0.33	0.89	0.36	146.5
Ash	11.36	10.37	8.71	10.88	10.04	8.4
Washington						
Btu	9,386	9,436	9,362	9,409	9,389	0.2
Sulfur	0.36	0.36	0.32	0.36	0.33	10.5
Ash	4.56	4.42	4.54	4.49	4.28	5.0
U.S. Total						
Btu	11,745	11,711	12,100	11,728	11,996	-2.2
Sulfur	1.02	0.99	1.03	1.01	1.03	-2.0
Ash	7.09	7.26	7.34	7.17	7.26	-1.2

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 2022	January - March 2022	April - June 2021	Year to date		Percent change
				2022	2021	
Middle Atlantic						
Btu	12,757	13,047	12,504	13,037	12,631	3.2
Sulfur	0.64	0.72	0.67	0.72	0.86	-16.6
Ash	6.35	5.57	6.71	5.59	6.84	-18.3
Pennsylvania						
Btu	12,757	13,047	12,504	13,037	12,631	3.2
Sulfur	0.64	0.72	0.67	0.72	0.86	-16.6
Ash	6.35	5.57	6.71	5.59	6.84	-18.3
East North Central						
Btu	11,052	11,220	11,101	11,174	11,164	0.1
Sulfur	3.08	2.85	3.07	2.91	2.87	1.5
Ash	10.18	9.63	9.97	9.78	9.61	1.7
Illinois						
Btu	11,043	11,150	11,066	11,114	11,123	-0.1
Sulfur	3.20	3.24	3.33	3.23	3.23	-0.2
Ash	10.48	9.64	10.16	9.93	9.67	2.6
Indiana						
Btu	11,073	11,298	11,160	11,255	11,225	0.3
Sulfur	2.79	2.41	2.63	2.48	2.32	6.9
Ash	9.45	9.61	9.65	9.58	9.53	0.6
West North Central						
Btu	10,610	10,619	11,206	10,615	10,940	-3.0
Sulfur	2.22	2.12	2.65	2.16	2.38	-9.1
Ash	7.93	7.50	8.53	7.69	7.99	-3.7
Iowa						
Btu	11,109	11,212	11,235	11,161	11,222	-0.5
Sulfur	2.78	2.75	2.68	2.77	2.74	0.9
Ash	8.57	8.48	8.60	8.52	8.63	-1.2
Minnesota						
Btu	9,371	8,711	9,356	8,750	9,484	-7.7
Sulfur	0.37	0.28	0.32	0.28	0.32	-11.6
Ash	4.53	4.71	4.33	4.70	3.92	20.1
Missouri						
Btu	-	11,427	-	11,427	11,461	-0.3
Sulfur	-	3.02	-	3.02	2.83	6.7
Ash	-	8.73	-	8.73	8.07	8.2
North Dakota						
Btu	8,979	9,246	-	9,100	9,207	-1.2
Sulfur	0.42	0.43	-	0.42	0.40	6.1
Ash	5.93	5.02	-	5.52	5.27	4.7
South Atlantic						
Btu	12,659	12,886	12,916	12,803	12,769	0.3
Sulfur	1.63	1.42	1.74	1.50	1.60	-6.5
Ash	10.09	7.70	7.99	8.58	8.26	3.9
North Carolina						
Btu	12,554	12,563	12,788	12,559	12,681	-1.0
Sulfur	1.71	1.75	1.92	1.73	1.69	2.6
Ash	10.52	8.56	8.57	9.49	8.56	10.8
Virginia						
Btu	14,051	13,376	13,593	13,438	13,528	-0.7
Sulfur	0.56	0.92	0.81	0.89	0.86	3.5
Ash	4.39	6.39	4.90	6.21	5.64	10.1
East South Central						
Btu	-	13,150	13,041	13,150	13,041	0.8
Sulfur	-	0.56	0.80	0.56	0.80	-30.0
Ash	-	4.29	6.46	4.29	6.46	-33.6
Kentucky						

Census division and state ¹	April - June 2022	January - March 2022	April - June 2021	Year to date		Percent change
				2022	2021	
Btu	-	13,150	13,041	13,150	13,041	0.8
Sulfur	-	0.56	0.80	0.56	0.80	-30.0
Ash	-	4.29	6.46	4.29	6.46	-33.6
Mountain						
Btu	11,601	11,594	11,568	11,595	11,486	1.0
Sulfur	0.45	0.45	0.49	0.45	0.50	-9.6
Ash	10.70	10.60	9.40	10.62	10.38	2.3
Colorado						
Btu	-	-	11,544	-	11,545	-
Sulfur	-	-	0.55	-	0.52	-
Ash	-	-	9.40	-	9.79	-
Montana						
Wyoming						
Btu	11,601	11,594	11,573	11,595	11,479	1.0
Sulfur	0.45	0.45	0.48	0.45	0.49	-9.1
Ash	10.70	10.60	9.40	10.62	10.44	1.6
Pacific						
Btu	7,454	7,550	7,510	7,509	7,490	0.3
Sulfur	0.11	0.13	0.13	0.12	0.14	-8.9
Ash	7.33	5.78	5.57	6.45	5.48	17.7
Alaska						
Btu	7,454	7,550	7,510	7,509	7,490	0.3
Sulfur	0.11	0.13	0.13	0.12	0.14	-8.9
Ash	7.33	5.78	5.57	6.45	5.48	17.7
U.S. Total						
Btu	8,728	9,177	8,837	9,000	9,112	-1.2
Sulfur	0.95	1.10	0.99	1.04	1.05	-0.4
Ash	7.93	7.08	6.80	7.41	6.84	8.3

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

- = No data reported.

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