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Quarterly Coal Report July–September 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	2,077	22,629	138,861	20,740	113,926	-
April - June	142,674	1,530	1,560	22,361	124,505	22,017	113,366	-
July - September	148,272	1,134	2,024	19,042	167,886	20,595	82,107	-
October - December	146,355	1,650	2,002	19,013	114,358	21,763	96,343	-
Total	577,431	5,388	7,663		545,610	85,115		4,223
2022								
January - March	148,992	1,322	1,773	20,953*	133,706	20,186	90,478	-
April - June	145,658	1,636	1,742	20,927*	117,892	23,001	91,539	-
July - September	154,270	1,970	1,896	17,515*	145,146	20,739	84,515	-
Total	448,920	4,928	5,411		396,744	63,926		11,915
2021 January - September	431,076	3,738	5,661		431,253	63,352		-
2020 January - September	401,297	3,811	5,079		354,252	50,018		-

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
July - September	2,843	13	303	2,327	535
Total	8,562	45		6,829	1,826
2021 January - September	9,411	67		8,251	1,415
2020 January - September	7,804	89		7,355	415

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	154,270	-	448,920

- = 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	July - September 2022	April - June 2022	July - September 2021	Year to date		Percent change
				2022	2021	
Alabama	2,774	2,482	2,242	7,841	7,470	5.0
Alaska	237	210	225	721	769	-6.3
Colorado	3,456	3,559	3,388	9,821	8,391	17.0
Illinois	9,184	10,882	8,009	29,373	28,816	1.9
Indiana	6,046	5,856	5,000	17,180	14,512	18.4
Kentucky Total	7,092	7,159	6,357	21,352	19,509	9.5
Eastern (Kentucky)	2,986	3,142	2,518	8,949	7,332	22.1
Western (Kentucky)	4,106	4,018	3,839	12,403	12,177	1.9
Louisiana	81	84	107	226	227	-0.2
Maryland	356	364	330	1,034	967	6.8
Mississippi	914	951	855	2,604	2,497	4.3
Missouri	14	18	s	50	37	33.9
Montana	7,427	7,294	7,804	21,731	21,126	2.9
New Mexico	2,969	2,507	2,025	8,258	6,426	28.5
North Dakota	7,440	6,037	7,233	20,637	20,291	1.7
Ohio	574	629	727	1,921	2,018	-4.8
Oklahoma	1	-	s	1	s	250.7
Pennsylvania Total	9,253	9,975	9,186	29,490	32,349	-8.8
Anthracite (Pennsylvania)	614	599	487	1,828	1,432	27.6
Bituminous (Pennsylvania)	8,639	9,376	8,699	27,663	30,917	-10.5
Tennessee	-	s	-	s	-	-
Texas	4,369	4,163	4,808	12,628	12,412	1.7
Utah	2,926	2,395	3,130	8,565	9,358	-8.5
Virginia	2,857	2,524	2,830	8,000	8,049	-0.6
West Virginia Total	21,107	21,035	18,657	62,956	58,564	7.5
Northern (West Virginia)	12,155	11,556	10,306	35,424	32,830	7.9
Southern (West Virginia)	8,952	9,479	8,350	27,533	25,735	7.0
Wyoming	65,042	57,472	65,197	184,273	176,830	4.2
Appalachia Total	39,907	40,153	36,489	120,192	116,749	2.9
Appalachia Central	14,795	15,145	13,698	44,483	41,116	8.2
Appalachia Northern	22,338	22,525	20,550	67,868	68,164	-0.4
Appalachia Southern	2,774	2,482	2,242	7,841	7,470	5.0
Interior Region Total	24,716	25,971	22,620	74,467	70,678	5.4
Illinois Basin	19,335	20,756	16,849	58,957	55,505	6.2
Interior	5,380	5,215	5,771	15,510	15,173	2.2
Western Region Total	89,497	79,474	89,001	254,006	243,190	4.4
Powder River Basin	68,704	60,816	68,684	194,751	185,866	4.8
Uinta Region	6,130	5,672	6,260	17,603	17,018	3.4
Western	14,663	12,985	14,057	41,652	40,307	3.3
East of Mississippi River	60,156	61,860	54,194	181,754	174,751	4.0
West of Mississippi River	93,963	83,739	93,917	266,912	255,867	4.3
U.S. Subtotal	154,119	145,598	148,110	448,666	430,617	4.2
Refuse recovery	151	60	161	254	459	-44.6
U.S. Total	154,270	145,658	148,272	448,920	431,076	4.1

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	July - September 2022	April - June 2022	July - September 2021	Year to date		Percent change
				2022	2021	
Middle Atlantic	957	1,010	1,011	2,957	2,937	0.7
East North Central	1,710	1,655	1,764	4,964	5,508	-9.9
South Atlantic	161	164	313	587	948	-38.2
East South Central	135	145	161	425	498	-14.7
U.S. Total	2,963	2,976	3,250	8,931	9,891	-9.7
Coke Total	2,843	2,838	3,105	8,562	9,411	-9.0
Breeze Total	120	138	144	370	481	-23.1

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

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

Exports and imports

Table 4. U.S. coal exports and imports, 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	20,739	1,970	-	-	63,926	4,928

- = 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	205.71	134.59	-	-	208.36	111.38

- = 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
July - September	-	562,730	1,273,513	17,011	72,767	-	44,285	1,970,306
U.S. Total	-	1,442,555	3,141,249	137,554	162,046	-	44,711	4,928,115

**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
July - September	-	146.66	121.59	237.02	115.14	-	347.71	134.59
U.S. Total	-	137.08	97.29	86.07	112.73	-	345.31	111.38

- = 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	July - September 2022	April - June 2022	July - September 2021	Year to date		Percent change
				2022	2021	
North America Total	1,654,573	1,773,695	2,349,096	4,362,616	5,796,971	-24.7
Canada*	1,249,544	1,164,054	1,541,807	2,835,977	3,055,811	-7.2
Dominican Republic	68,678	237,430	321,919	359,464	1,432,874	-74.9
Guatemala	133,140	178,811	155,433	434,011	498,454	-12.9
Honduras	93,718	60,627	59,483	190,720	132,235	44.2
Jamaica	20	36,370	33,366	71,748	69,848	2.7
Mexico	41,568	96,281	180,072	327,293	461,492	-29.1
Panama	-	10	36,584	14,710	67,847	-78.3
Trinidad and Tobago	67,905	27	67	128,582	57,986	121.7
Other**	-	85	20,365	111	20,424	-99.5
South America Total	2,249,102	2,197,802	1,594,599	6,181,407	5,575,986	10.9
Argentina	82,812	135,477	18	296,683	92,071	222.2
Brazil	1,938,803	1,756,270	1,446,314	5,010,018	4,951,759	1.2
Chile	184,783	190,296	116,608	610,510	338,633	80.3
Ecuador	42,484	43,866	21	119,199	36,659	225.2
Peru	43	71,776	31,602	144,633	100,085	44.5
Uruguay	85	-	-	85	56,630	-99.8
Other**	92	117	36	279	149	87.2
Europe Total	8,683,426	7,673,469	4,678,267	23,920,184	15,982,060	49.7
Austria	296,767	401,240	258,792	927,114	925,271	0.2
Belgium	209,686	158,061	22,046	454,690	137,523	230.6
Croatia	241,877	437,369	263,242	1,213,483	889,680	36.4
Denmark (Except Greenland)	-	78,315	33,494	110,839	62,595	77.1
Finland	329,004	146,718	127,768	632,499	464,816	36.1
France	413,386	335,305	129,352	1,062,397	559,243	90.0
Germany, Federal Republic of	1,016,500	834,743	436,125	2,693,561	1,504,565	79.0
Italy	332,347	277,544	320,776	1,119,042	843,195	32.7
Netherlands	2,926,346	2,634,992	1,524,058	8,070,570	5,198,935	55.2
Poland	777,437	648,153	184,943	1,811,554	822,946	120.1
Romania	4	156,301	-	314,436	115,583	172.0
Slovakia	-	62,233	-	62,233	55,336	12.5
Spain	291,683	89,288	179,447	862,904	457,012	88.8
Sweden	265,422	53,352	170,913	407,171	393,019	3.6
Switzerland	-	-	-	-	87,510	-
Turkey	841,497	321,675	188,669	1,589,654	654,537	142.9
Ukraine	-	-	445,533	422,859	1,718,310	-75.4
United Kingdom	648,029	920,467	379,937	1,940,994	1,050,059	84.8
Other**	93,441	117,713	13,172	224,184	41,925	434.7
Asia Total	6,816,707	9,419,351	9,949,686	24,682,039	31,628,031	-22.0
China	780,952	1,074,514	3,966,733	2,437,575	9,369,263	-74.0
Hong Kong	-	-	-	-	80,061	-
India	3,011,043	4,559,188	2,396,182	11,554,797	12,170,749	-5.1
Japan	1,604,277	1,968,973	1,267,223	5,985,698	4,732,572	26.5
Jordan	-	-	-	-	63,948	-
Pakistan	64,485	-	65,036	64,506	127,447	-49.4
South Korea (Republic of Korea)	1,351,341	1,645,833	2,203,900	4,388,790	4,982,271	-11.9
Other**	4,609	170,843	50,612	250,673	101,720	146.4
Australia and Oceania Total	-	338	321	591	487	21.4
Other**	-	338	321	591	487	21.4
Africa Total	1,334,784	1,936,446	2,022,808	4,778,914	4,368,454	9.4
Egypt	642,556	941,254	1,053,563	2,333,330	2,376,438	-1.8
Ghana	-	-	-	-	84,436	-
Kenya	-	-	110,118	-	162,384	-

Continent and country of destination	July - September 2022	April - June 2022	July - September 2021	Year to date		Percent change
				2022	2021	
Morocco	630,939	881,747	724,994	2,183,361	1,395,293	56.5
South Africa	61,289	65,929	61,809	214,689	181,409	18.3
Togo	-	47,516	50,038	47,516	99,642	-52.3
Other**	-	-	22,286	18	68,852	-100.0
Total	20,738,592	23,001,101	20,594,777	63,925,751	63,351,989	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 8. Average price of U.S. coal exports

(dollars per short ton)

Continent and country of destination	July - September 2022	April - June 2022	July - September 2021	Year to date		Percent change
				2022	2021	
North America Total	170.08	168.69	89.12	155.73	86.78	79.5
Canada*	170.24	155.97	96.26	152.03	95.10	59.9
Dominican Republic	183.36	218.89	60.32	193.08	56.77	240.1
Guatemala	211.83	188.36	79.17	170.10	102.38	66.1
Honduras	80.48	90.72	63.50	83.96	63.50	32.2
Jamaica	318.45	90.82	86.18	68.48	67.48	1.5
Mexico	123.26	240.19	91.56	154.64	115.03	34.4
Panama	-	485.00	124.26	77.39	100.44	-22.9
Trinidad and Tobago	224.13	550.67	391.30	251.15	95.88	161.9
Other**	-	535.36	73.97	499.89	75.35	NM
South America Total	228.23	270.24	132.74	239.61	108.01	121.8
Argentina	199.49	174.67	370.61	185.03	67.48	174.2
Brazil	221.25	295.03	140.86	253.85	110.49	129.7
Chile	354.72	227.72	50.23	222.81	62.03	259.2
Ecuador	51.65	47.50	1,933.95	50.04	438.18	-88.6
Peru	296.67	92.71	63.64	84.97	84.60	0.4
Uruguay	540.00	-	-	540.00	58.32	NM
Other**	425.27	345.58	724.44	376.58	604.17	-37.7
Europe Total	228.07	263.67	132.98	239.74	114.68	109.1
Austria	233.72	386.49	118.72	329.09	107.59	205.9
Belgium	242.13	199.50	151.05	225.58	134.40	67.8
Croatia	285.35	344.06	188.84	288.87	154.31	87.2
Denmark (Except Greenland)	-	281.82	58.06	216.16	190.82	13.3
Finland	276.27	411.54	140.78	312.63	118.16	164.6
France	228.89	381.68	150.27	301.13	118.01	155.2
Germany, Federal Republic of	188.71	272.80	101.77	212.49	88.79	139.3
Italy	302.76	322.84	148.16	323.42	131.66	145.6
Netherlands	199.08	222.97	105.04	202.83	90.83	123.3
Poland	202.38	261.21	169.08	245.61	127.24	93.0
Romania	897.50	227.11	-	199.26	118.19	68.6
Slovakia	-	329.56	-	329.56	115.00	186.6
Spain	254.95	304.49	122.84	241.66	132.34	82.6
Sweden	399.60	339.01	162.61	364.62	135.49	169.1
Switzerland	-	-	-	-	108.86	-
Turkey	259.43	334.63	154.00	266.68	138.80	92.1
Ukraine	-	-	187.84	324.98	149.78	117.0
United Kingdom	222.54	171.11	134.19	179.26	118.94	50.7
Other**	325.82	298.84	162.48	308.55	158.25	95.0
Asia Total	190.97	233.82	121.47	198.19	96.60	105.2
China	218.98	334.89	187.25	299.98	162.30	84.8
Hong Kong	-	-	-	-	222.26	-
India	206.31	262.63	92.35	223.10	70.69	215.6
Japan	188.06	216.53	96.55	172.21	85.58	101.2
Jordan	-	-	-	-	90.70	-
Pakistan	136.08	-	61.69	136.23	59.02	130.8
South Korea (Republic of Korea)	146.73	94.01	51.27	107.69	45.75	135.4
Other**	175.84	375.41	102.85	280.96	99.42	182.6
Australia and Oceania Total	-	316.57	333.17	312.18	333.38	-6.4
Other**	-	316.57	333.17	312.18	333.38	-6.4
Africa Total	141.75	108.47	66.21	111.35	68.54	62.5
Egypt	195.04	104.17	55.96	121.62	62.82	93.6
Ghana	-	-	-	-	63.50	-
Kenya	-	-	60.38	-	59.05	-

Continent and country of destination	July - September 2022	April - June 2022	July - September 2021	Year to date		Percent change
				2022	2021	
Morocco	77.00	84.67	73.57	77.39	70.23	10.2
South Africa	249.60	405.95	164.46	320.57	147.84	116.8
Togo	-	222.26	63.50	222.26	63.50	250.0
Other**	-	-	73.81	1,006.11	58.46	NM
Total	205.71	231.68	115.84	208.36	99.33	109.8

* 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). 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	July - September 2022	April - June 2022	July - September 2021	Year to date		Percent change
				2022	2021	
North America Total	626,812	841,157	993,854	2,079,641	3,120,661	-33.4
Canada*	353,110	335,574	256,169	898,927	638,557	40.8
Dominican Republic	68,678	199,951	321,919	321,985	1,432,874	-77.5
Guatemala	70,090	178,811	155,433	370,961	498,454	-25.6
Honduras	93,718	60,627	59,483	190,720	132,235	44.2
Jamaica	20	36,370	33,366	71,748	69,848	2.7
Mexico	41,030	29,702	110,676	210,263	260,521	-19.3
Panama	-	10	36,376	14,710	67,639	-78.3
Trinidad and Tobago	166	27	67	216	109	98.2
Other**	-	85	20,365	111	20,424	-99.5
South America Total	550,410	460,239	295,365	1,466,051	995,645	47.2
Argentina	37,604	40	18	37,690	180	NM
Brazil	285,319	154,144	147,080	553,655	519,270	6.6
Chile	184,783	190,296	116,608	610,510	282,672	116.0
Ecuador	42,484	43,866	21	119,199	36,659	225.2
Peru	43	71,776	31,602	144,633	100,085	44.5
Uruguay	85	-	-	85	56,630	-99.8
Other**	92	117	36	279	149	87.2
Europe Total	3,433,736	2,925,924	1,545,751	9,057,812	4,317,818	109.8
Belgium	11,078	36,374	22,046	47,454	22,093	114.8
Croatia	5,512	24,460	-	203,200	-	-
Denmark (Except Greenland)	-	78,315	33,494	110,839	62,595	77.1
Finland	23,038	-	-	23,038	122	NM
France	31,472	11,403	-	42,875	86,272	-50.3
Germany, Federal Republic of	589,993	461,802	272,951	1,663,940	735,794	126.1
Italy	42	65	70,133	150	98,762	-99.8
Netherlands	1,773,754	1,328,265	929,701	4,333,057	2,724,678	59.0
Poland	320,526	259,467	-	638,166	177,778	259.0
Romania	4	74,417	-	160,601	42,439	278.4
Spain	86,964	1,458	60,334	234,433	71,279	228.9
Sweden	30,801	-	-	30,801	-	-
Turkey	141,198	-	-	260,799	332	NM
Ukraine	-	-	-	-	55	-
United Kingdom	410,490	612,182	156,735	1,261,790	295,110	327.6
Other**	8,864	37,716	357	46,669	509	NM
Asia Total	3,343,004	4,097,785	4,499,966	12,020,202	17,445,724	-31.1
China	172,597	129	277,335	172,802	880,761	-80.4
India	1,142,253	1,898,141	1,624,482	5,113,989	9,622,299	-46.9
Japan	990,762	886,706	663,560	3,176,414	2,453,280	29.5
Jordan	-	-	-	-	63,948	-
Pakistan	64,485	-	65,036	64,506	127,447	-49.4
South Korea (Republic of Korea)	968,298	1,310,988	1,818,941	3,410,840	4,196,269	-18.7
Other**	4,609	1,821	50,612	81,651	101,720	-19.7
Australia and Oceania Total	-	338	321	591	487	21.4
Other**	-	338	321	591	487	21.4
Africa Total	1,196,599	1,610,475	1,961,020	4,172,171	4,187,066	-0.4
Egypt	565,380	681,201	1,053,563	1,940,985	2,376,438	-18.3
Ghana	-	-	-	-	84,436	-
Kenya	-	-	110,118	-	162,384	-
Morocco	630,939	881,747	724,994	2,183,361	1,395,293	56.5
South Africa	280	11	21	291	21	NM
Togo	-	47,516	50,038	47,516	99,642	-52.3

Continent and country of destination	July - September 2022	April - June 2022	July - September 2021	Year to date		Percent change
				2022	2021	
Other**	-	-	22,286	18	68,852	-100.0
Total	9,150,561	9,935,918	9,296,277	28,796,468	30,067,401	-4.2

* 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	July - September 2022	April - June 2022	July - September 2021	Year to date		Percent change
				2022	2021	
North America Total	125.12	159.08	70.23	124.56	74.41	67.4
Canada*	112.90	117.91	73.78	105.86	77.68	36.3
Dominican Republic	183.36	235.09	60.32	200.13	56.77	252.5
Guatemala	190.04	188.36	79.17	158.89	102.38	55.2
Honduras	80.48	90.72	63.50	83.96	63.50	32.2
Jamaica	318.45	90.82	86.18	68.48	67.48	1.5
Mexico	122.47	157.70	58.48	86.95	110.30	-21.2
Panama	-	485.00	124.23	77.39	100.35	-22.9
Trinidad and Tobago	431.30	550.67	391.30	444.73	430.45	3.3
Other**	-	535.36	73.97	499.89	75.35	NM
South America Total	212.82	138.95	78.15	156.25	91.91	70.0
Argentina	249.48	378.00	370.61	249.67	328.44	-24.0
Brazil	139.92	76.69	102.94	117.83	89.12	32.2
Chile	354.72	227.72	50.23	222.81	61.02	265.1
Ecuador	51.65	47.50	1,933.95	50.04	438.18	-88.6
Peru	296.67	92.71	63.64	84.97	84.60	0.4
Uruguay	540.00	-	-	540.00	58.32	NM
Other**	425.27	345.58	724.44	376.58	604.17	-37.7
Europe Total	162.16	99.74	78.92	119.17	71.29	67.2
Belgium	226.80	169.34	151.05	182.96	152.06	20.3
Croatia	181.42	126.85	-	75.23	-	-
Denmark (Except Greenland)	-	281.82	58.06	216.16	190.82	13.3
Finland	280.32	-	-	280.32	170.22	64.7
France	226.80	277.55	-	240.30	63.50	278.4
Germany, Federal Republic of	159.63	151.56	83.68	137.04	67.52	103.0
Italy	640.62	321.22	64.33	491.25	82.12	498.2
Netherlands	153.30	80.09	72.03	110.36	64.90	70.0
Poland	126.88	92.15	-	109.46	80.28	36.3
Romania	897.50	57.38	-	54.16	63.50	-14.7
Spain	249.80	323.71	76.43	153.23	81.61	87.8
Sweden	219.49	-	-	219.49	-	-
Turkey	209.02	-	-	163.62	542.78	-69.9
Ukraine	-	-	-	-	314.18	-
United Kingdom	177.26	79.70	112.67	109.99	98.84	11.3
Other**	242.42	93.19	372.05	122.57	457.75	-73.2
Asia Total	101.70	78.66	61.18	79.50	57.82	37.5
China	89.86	469.21	128.99	90.32	100.16	-9.8
India	143.78	102.66	68.57	103.23	61.84	66.9
Japan	112.20	82.86	82.38	82.49	65.64	25.7
Jordan	-	-	-	-	90.70	-
Pakistan	136.08	-	61.69	136.23	59.02	130.8
South Korea (Republic of Korea)	40.79	40.59	35.33	39.38	33.61	17.2
Other**	175.84	386.48	102.85	85.70	99.42	-13.8
Australia and Oceania Total	-	316.57	333.17	312.18	333.38	-6.4
Other**	-	316.57	333.17	312.18	333.38	-6.4
Africa Total	136.71	94.05	63.15	99.04	65.12	52.1
Egypt	203.24	97.23	55.96	120.33	62.82	91.5
Ghana	-	-	-	-	63.50	-
Kenya	-	-	60.38	-	59.05	-
Morocco	77.00	84.67	73.57	77.39	70.23	10.2
South Africa	317.20	574.36	3,588.24	326.92	3,588.24	-90.9
Togo	-	222.26	63.50	222.26	63.50	250.0

Continent and country of destination	July - September 2022	April - June 2022	July - September 2021	Year to date		Percent change
				2022	2021	
Other**	-	-	73.81	1,006.11	58.46	NM
Total	137.25	96.97	66.06	101.98	63.63	60.3

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

** Includes countries with coal exports less than or equal to 50,000 short tons in 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	July - September 2022	April - June 2022	July - September 2021	Year to date		Percent change
				2022	2021	
North America Total	1,027,761	932,538	1,355,242	2,282,975	2,676,310	-14.7
Canada*	896,434	828,480	1,285,638	1,937,050	2,417,254	-19.9
Dominican Republic	-	37,479	-	37,479	-	-
Guatemala	63,050	-	-	63,050	-	-
Mexico	538	66,579	69,396	117,030	200,971	-41.8
Panama	-	-	208	-	208	-
Trinidad and Tobago	67,739	-	-	128,366	57,877	121.8
South America Total	1,698,692	1,737,563	1,299,234	4,715,356	4,580,341	2.9
Argentina	45,208	135,437	-	258,993	91,891	181.8
Brazil	1,653,484	1,602,126	1,299,234	4,456,363	4,432,489	0.5
Chile	-	-	-	-	55,961	-
Europe Total	5,249,690	4,747,545	3,132,516	14,862,372	11,664,242	27.4
Austria	296,767	401,240	258,792	927,114	925,271	0.2
Belgium	198,608	121,687	-	407,236	115,430	252.8
Croatia	236,365	412,909	263,242	1,010,283	889,680	13.6
Finland	305,966	146,718	127,768	609,461	464,694	31.2
France	381,914	323,902	129,352	1,019,522	472,971	115.6
Germany, Federal Republic of	426,507	372,941	163,174	1,029,621	768,771	33.9
Italy	332,305	277,479	250,643	1,118,892	744,433	50.3
Netherlands	1,152,592	1,306,727	594,357	3,737,513	2,474,257	51.1
Poland	456,911	388,686	184,943	1,173,388	645,168	81.9
Romania	-	81,884	-	153,835	73,144	110.3
Slovakia	-	62,233	-	62,233	55,336	12.5
Spain	204,719	87,830	119,113	628,471	385,733	62.9
Sweden	234,621	53,352	170,913	376,370	393,019	-4.2
Switzerland	-	-	-	-	87,510	-
Turkey	700,299	321,675	188,669	1,328,855	654,205	103.1
Ukraine	-	-	445,533	422,859	1,718,255	-75.4
United Kingdom	237,539	308,285	223,202	679,204	754,949	-10.0
Other**	84,577	79,997	12,815	177,515	41,416	328.6
Asia Total	3,473,703	5,321,566	5,449,720	12,661,837	14,182,307	-10.7
China	608,355	1,074,385	3,689,398	2,264,773	8,488,502	-73.3
Hong Kong	-	-	-	-	80,061	-
India	1,868,790	2,661,047	771,700	6,440,808	2,548,450	152.7
Japan	613,515	1,082,267	603,663	2,809,284	2,279,292	23.3
South Korea (Republic of Korea)	383,043	334,845	384,959	977,950	786,002	24.4
Other**	-	169,022	-	169,022	-	-
Africa Total	138,185	325,971	61,788	606,743	181,388	234.5
Egypt	77,176	260,053	-	392,345	-	-
South Africa	61,009	65,918	61,788	214,398	181,388	18.2
Total	11,588,031	13,065,183	11,298,500	35,129,283	33,284,588	5.5

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

** Includes countries with coal exports less than or equal to 50,000 short tons in 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	July - September 2022	April - June 2022	July - September 2021	Year to date		Percent change
				2022	2021	
North America Total	197.50	177.36	102.98	184.13	101.21	81.9
Canada*	192.82	171.38	100.74	173.45	99.70	74.0
Dominican Republic	-	132.45	-	132.45	-	-
Guatemala	236.06	-	-	236.06	-	-
Mexico	183.36	276.98	144.31	276.24	121.17	128.0
Panama	-	-	128.70	-	128.70	-
Trinidad and Tobago	223.62	-	-	250.83	95.25	163.3
South America Total	233.22	305.01	145.15	265.53	111.51	138.1
Argentina	157.90	174.61	-	175.62	66.97	162.2
Brazil	235.28	316.04	145.15	270.75	112.99	139.6
Chile	-	-	-	-	67.13	-
Europe Total	271.18	364.70	159.65	313.22	130.74	139.6
Austria	233.72	386.49	118.72	329.09	107.59	205.9
Belgium	242.99	208.51	-	230.54	131.02	76.0
Croatia	287.77	356.93	188.84	331.84	154.31	115.0
Finland	275.97	411.54	140.78	313.85	118.14	165.7
France	229.06	385.35	150.27	303.69	127.95	137.4
Germany, Federal Republic of	228.94	422.93	132.03	334.43	109.14	206.4
Italy	302.72	322.84	171.61	323.40	138.23	134.0
Netherlands	269.52	368.21	156.67	310.04	119.39	159.7
Poland	255.33	374.07	169.08	319.66	140.18	128.0
Romania	-	381.36	-	350.75	149.93	133.9
Slovakia	-	329.56	-	329.56	115.00	186.6
Spain	257.14	304.17	146.34	274.65	141.71	93.8
Sweden	423.24	339.01	162.61	376.49	135.49	177.9
Switzerland	-	-	-	-	108.86	-
Turkey	269.59	334.63	154.00	286.90	138.59	107.0
Ukraine	-	-	187.84	324.98	149.77	117.0
United Kingdom	300.79	352.64	149.31	307.94	126.79	142.9
Other**	334.56	395.80	156.64	357.45	154.57	131.3
Asia Total	276.88	353.30	171.26	310.86	144.30	115.4
China	255.62	334.87	191.62	315.98	168.75	87.2
Hong Kong	-	-	-	-	222.26	-
India	244.53	376.74	142.42	318.28	104.11	205.7
Japan	310.57	326.05	112.14	273.65	107.05	155.6
South Korea (Republic of Korea)	414.53	303.18	126.58	345.94	110.58	212.8
Other**	-	375.29	-	375.29	-	-
Africa Total	185.42	179.69	163.29	196.06	147.44	33.0
Egypt	134.93	122.34	-	128.02	-	-
South Africa	249.29	405.92	163.29	320.56	147.44	117.4
Total	259.77	334.13	156.80	295.56	131.58	124.6

* 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.

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	July - September 2022	April - June 2022	July - September 2021	Year to date		Percent change
				2022	2021	
Eastern Total	12,302,101	14,338,371	12,978,422	39,083,406	39,599,731	-1.3
Baltimore, MD	3,373,225	5,368,579	4,454,082	13,164,308	15,509,350	-15.1
Boston, MA	-	-	-	-	53,537	-
Buffalo, NY	555,904	471,675	823,312	1,182,187	1,577,101	-25.0
New York City, NY	3,717	2,537	2,659	8,041	5,694	41.2
Norfolk, VA	8,246,956	8,287,954	7,526,599	24,322,084	22,171,271	9.7
Ogdensburg, NY	62,626	114,259	20,664	253,608	122,391	107.2
Philadelphia, PA	59,502	93,126	150,830	152,721	160,036	-4.6
Portland, ME	-	72	-	72	54	33.3
St. Albans, VT	171	169	276	385	297	29.6
Southern Total	6,282,854	6,001,425	4,580,698	17,525,801	15,978,424	9.7
Charleston, SC	-	1	58	1	96	-99.0
El Paso, TX	38,580	22,282	46,808	96,583	121,416	-20.5
Houston-Galveston, TX	258,129	267,566	215,940	809,101	439,475	84.1
Laredo, TX	2,974	3,624	2,050	71,724	7,961	NM
Miami, FL	66	79	17	330	116	184.5
Mobile, AL	2,654,430	2,530,155	1,765,087	7,263,033	6,884,579	5.5
New Orleans, LA	3,328,591	3,176,501	2,550,607	9,282,972	8,524,577	8.9
San Juan, PR	-	-	-	3	-	-
Savannah, GA	84	147	120	466	193	141.5
Tampa, FL	-	1,070	-	1,588	-	-
Wilmington, NC	-	-	11	-	11	-
Western Total	1,654,897	2,266,304	2,540,363	6,354,648	6,872,217	-7.5
Great Falls, MT	21	270	1,473	518	3,421	-84.9
Honolulu, HI	-	-	-	41	-	-
Los Angeles, CA	345,267	354,232	225,069	928,349	689,376	34.7
Nogales, AZ	10	4,204	34,192	6,813	34,241	-80.1
Portland, OR	89,477	-	-	89,477	-	-
San Diego, CA	4	-	18	80	72	11.1
San Francisco, CA	254,635	428,044	439,763	1,266,557	1,572,148	-19.4
Seattle, WA	965,483	1,479,554	1,839,848	4,062,813	4,572,959	-11.2
Northern Total	496,327	392,783	493,415	954,430	895,217	6.6
Chicago, IL	-	13,150	-	13,150	54	NM
Cleveland, OH	412,525	339,116	483,994	809,131	842,494	-4.0
Detroit, MI	16,702	32,538	7,167	54,041	37,687	43.4
Duluth, MN	-	107	18	131	18	NM
Minneapolis, MN	63,991	-	-	63,991	-	-
Pembina, ND	3,109	7,872	2,236	13,986	14,964	-6.5
Other Ports	2,413	2,218	1,879	7,466	6,400	16.7
Total	20,738,592	23,001,101	20,594,777	63,925,751	63,351,989	0.9

- = No data reported.

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

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

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

Table 14. Steam coal exports by customs district

(short tons)

Customs district	July - September 2022	April - June 2022	July - September 2021	Year to date		Percent change
				2022	2021	
Eastern Total	3,322,571	3,750,802	3,663,289	10,594,844	13,276,223	-20.2
Baltimore, MD	1,900,677	2,722,347	2,764,635	7,204,780	10,532,519	-31.6
Boston, MA	-	-	-	-	53,537	-
Buffalo, NY	2,530	2,694	1,114	7,579	3,883	95.2
New York City, NY	3,717	2,537	2,659	8,041	5,694	41.2
Norfolk, VA	1,294,905	817,356	845,269	2,973,260	2,523,706	17.8
Ogdensburg, NY	61,111	112,648	18,414	248,216	116,426	113.2
Philadelphia, PA	59,502	93,126	31,174	152,721	40,380	278.2
Portland, ME	-	72	-	72	54	33.3
St. Albans, VT	129	22	24	175	24	NM
Southern Total	4,015,860	3,881,552	3,066,622	11,641,924	9,863,495	18.0
Charleston, SC	-	1	58	1	79	-98.7
El Paso, TX	38,580	22,282	46,808	96,583	121,416	-20.5
Houston-Galveston, TX	195,079	267,566	215,940	746,051	383,514	94.5
Laredo, TX	2,440	3,216	1,635	70,416	6,278	NM
Miami, FL	66	79	17	330	116	184.5
Mobile, AL	592,175	547,629	335,506	1,734,549	1,018,990	70.2
New Orleans, LA	3,187,436	3,039,579	2,466,527	8,991,954	8,332,898	7.9
San Juan, PR	-	-	-	3	-	-
Savannah, GA	84	130	120	449	193	132.6
Tampa, FL	-	1,070	-	1,588	-	-
Wilmington, NC	-	-	11	-	11	-
Western Total	1,654,893	2,266,282	2,532,010	6,354,622	6,863,864	-7.4
Great Falls, MT	21	248	1,473	496	3,421	-85.5
Honolulu, HI	-	-	-	41	-	-
Los Angeles, CA	345,267	354,232	225,069	928,349	689,376	34.7
Nogales, AZ	10	4,204	25,839	6,813	25,888	-73.7
Portland, OR	89,477	-	-	89,477	-	-
San Diego, CA	-	-	18	76	72	5.6
San Francisco, CA	254,635	428,044	439,763	1,266,557	1,572,148	-19.4
Seattle, WA	965,483	1,479,554	1,839,848	4,062,813	4,572,959	-11.2
Northern Total	154,824	35,064	32,477	197,612	57,419	244.2
Chicago, IL	-	69	-	69	54	27.8
Cleveland, OH	71,022	12,250	23,056	83,272	23,056	261.2
Detroit, MI	16,702	14,766	7,167	36,163	19,327	87.1
Duluth, MN	-	107	18	131	18	NM
Minneapolis, MN	63,991	-	-	63,991	-	-
Pembina, ND	3,109	7,872	2,236	13,986	14,964	-6.5
Other Ports	2,413	2,218	1,879	7,466	6,400	16.7
Total	9,150,561	9,935,918	9,296,277	28,796,468	30,067,401	-4.2

- = No data reported.

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

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

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

Table 15. Metallurgical coal exports by customs district

(short tons)

Customs district	July - September 2022	April - June 2022	July - September 2021	Year to date		Percent change
				2022	2021	
Eastern Total	8,979,530	10,587,569	9,315,133	28,488,562	26,323,508	8.2
Baltimore, MD	1,472,548	2,646,232	1,689,447	5,959,528	4,976,831	19.7
Buffalo, NY	553,374	468,981	822,198	1,174,608	1,573,218	-25.3
Norfolk, VA	6,952,051	7,470,598	6,681,330	21,348,824	19,647,565	8.7
Ogdensburg, NY	1,515	1,611	2,250	5,392	5,965	-9.6
Philadelphia, PA	-	-	119,656	-	119,656	-
St. Albans, VT	42	147	252	210	273	-23.1
Southern Total	2,266,994	2,119,873	1,514,076	5,883,877	6,114,929	-3.8
Charleston, SC	-	-	-	-	17	-
Houston-Galveston, TX	63,050	-	-	63,050	55,961	12.7
Laredo, TX	534	408	415	1,308	1,683	-22.3
Mobile, AL	2,062,255	1,982,526	1,429,581	5,528,484	5,865,589	-5.7
New Orleans, LA	141,155	136,922	84,080	291,018	191,679	51.8
Savannah, GA	-	17	-	17	-	-
Western Total	4	22	8,353	26	8,353	-99.7
Great Falls, MT	-	22	-	22	-	-
Nogales, AZ	-	-	8,353	-	8,353	-
San Diego, CA	4	-	-	4	-	-
Northern Total	341,503	357,719	460,938	756,818	837,798	-9.7
Chicago, IL	-	13,081	-	13,081	-	-
Cleveland, OH	341,503	326,866	460,938	725,859	819,438	-11.4
Detroit, MI	-	17,772	-	17,878	18,360	-2.6
Total	11,588,031	13,065,183	11,298,500	35,129,283	33,284,588	5.5

- = No data reported.

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

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

Table 16. U.S. coke exports

(short tons)

Continent and country of destination	July - September 2022	April - June 2022	July - September 2021	Year to date		Percent change
				2022	2021	
North America Total	329,223	353,204	403,324	928,747	1,011,661	-8.2
Canada*	270,505	304,053	322,471	754,099	783,394	-3.7
Mexico	58,412	48,847	80,639	173,859	227,678	-23.6
Other**	306	304	214	789	589	34.0
South America Total	41,134	90,930	63,915	166,849	178,594	-6.6
Brazil	41,117	90,865	28,213	166,705	142,870	16.7
Other**	17	65	35,702	144	35,724	-99.6
Europe Total	164,121	317,119	85,558	725,864	133,540	443.6
Netherlands	78,262	40,949	-	222,277	-	-
Other**	85,859	197,636	43,383	425,053	43,951	NM
United Kingdom	-	78,534	42,175	78,534	89,589	-12.3
Asia Total	813	3,211	436	4,224	800	428.0
Other**	813	3,211	436	4,224	800	428.0
Australia and Oceania Total	22	210	72	457	282	62.1
Other**	22	210	72	457	282	62.1
Africa Total	-	-	21,247	-	90,172	-
Other**	-	-	21,247	-	21,247	-
South Africa	-	-	-	-	68,925	-
Total	535,313	764,674	574,552	1,826,141	1,415,049	29.1

* 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.

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	July - September 2022	April - June 2022	July - September 2021	Year to date		Percent change
				2022	2021	
North America Total	386.13	360.29	273.16	366.97	278.44	31.8
Canada*	378.73	343.38	251.22	352.25	252.07	39.7
Mexico	419.04	463.96	360.17	429.57	368.24	16.7
Other**	649.06	620.68	545.98	645.18	631.70	2.1
South America Total	648.73	111.22	54.14	277.33	174.18	59.2
Brazil	648.64	110.90	42.28	277.12	201.78	37.3
Other**	857.82	557.60	63.50	522.08	63.80	NM
Europe Total	406.80	242.06	201.51	262.27	227.48	15.3
Netherlands	441.60	246.89	-	302.42	-	-
Other**	375.08	257.56	116.60	252.68	120.41	109.8
United Kingdom	-	200.51	288.84	200.51	280.01	-28.4
Asia Total	632.68	725.41	668.35	714.27	807.48	-11.5
Other**	632.68	725.41	668.35	714.27	807.48	-11.5
Australia and Oceania Total	216.36	433.70	325.75	295.38	470.80	-37.3
Other**	216.36	433.70	325.75	295.38	470.80	-37.3
Africa Total	-	-	90.72	-	280.46	-
Other**	-	-	90.72	-	90.72	-
South Africa	-	-	-	-	338.94	-
Total	413.01	283.19	231.68	317.95	260.94	21.8

* 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: 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	July - September 2022	April - June 2022	July - September 2021	Year to date		Percent change
				2022	2021	
North America Total	563,378	546,184	287,273	1,443,227	770,718	87.3
Canada	562,730	546,184	287,273	1,442,555	770,718	87.2
Mexico	648	-	-	672	-	-
South America Total	1,273,513	972,409	573,521	3,141,249	2,243,256	40.0
Colombia	1,273,513	972,409	573,514	3,141,249	2,243,249	40.0
Peru	-	-	7	-	7	-
Europe Total	16,355	-	130,527	16,757	280,058	-94.0
France	-	-	-	402	-	-
Germany, Federal Republic of	-	-	501	-	902	-
Russia	-	-	130,026	-	279,156	-
Spain	16,355	-	-	16,355	-	-
Asia Total	89,778	117,552	142,602	299,600	407,645	-26.5
China	72,767	58,977	26,033	162,046	68,816	135.5
Indonesia	17,011	58,575	116,569	137,554	338,829	-59.4
Africa Total	27,282	-	-	27,282	36,376	-25.0
South Africa	27,282	-	-	27,282	36,376	-25.0
Total	1,970,306	1,636,145	1,133,923	4,928,115	3,738,053	31.8

- = 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	July - September 2022	April - June 2022	July - September 2021	Year to date		Percent change
				2022	2021	
North America Total	146.69	141.45	141.72	137.11	127.43	7.6
Canada	146.66	141.45	141.72	137.08	127.43	7.6
Mexico	178.54	-	-	188.11	-	-
South America Total	121.59	85.52	70.43	97.29	63.01	54.4
Colombia	121.59	85.52	70.43	97.29	63.01	54.4
Peru	-	-	289.14	-	289.14	-
Europe Total	533.41	-	126.53	522.42	125.09	317.6
France	-	-	-	75.00	-	-
Germany, Federal Republic of	-	-	74.86	-	74.82	-
Russia	-	-	126.73	-	125.25	-
Spain	533.41	-	-	533.41	-	-
Asia Total	138.23	76.43	77.51	100.49	79.12	27.0
China	115.14	88.02	134.56	112.73	149.74	-24.7
Indonesia	237.02	64.77	64.77	86.07	64.77	32.9
Africa Total	240.41	-	-	240.41	113.78	111.3
South Africa	240.41	-	-	240.41	113.78	111.3
U.S. Total*	134.59	103.54	95.84	111.38	83.19	33.9

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

- = No data reported.

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

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

Table 20. Coal imports by customs district

(short tons)

Customs district	July - September 2022	April - June 2022	July - September 2021	Year to date		Percent change
				2022	2021	
Eastern Total	47,340	149	42,453	47,990	42,835	12.0
Boston, MA	-	-	-	402	-	-
Buffalo, NY	-	149	14	227	375	-39.5
Portland, ME	47,340	-	42,439	47,340	42,439	11.5
St. Albans, VT	-	-	-	21	21	s
Southern Total	1,326,870	1,031,386	687,198	3,283,909	2,585,191	27.0
Charleston, SC	-	-	40,383	-	40,383	-
Houston-Galveston, TX	-	-	1,709	6,520	46,162	-85.9
Laredo, TX	648	-	7	672	7	NM
Miami, FL	202	-	-	244	1,681	-85.5
Mobile, AL	668,158	458,174	173,376	1,686,734	1,178,765	43.1
New Orleans, LA	72,565	58,977	54,638	155,282	147,143	5.5
San Juan, PR	517,543	475,733	341,328	1,253,066	948,642	32.1
Tampa, FL	67,754	38,502	75,757	181,391	222,408	-18.4
Western Total	488,203	485,833	257,209	1,349,882	791,127	70.6
Great Falls, MT	453,283	381,978	133,013	1,094,599	360,363	203.7
Honolulu, HI	33,366	103,122	116,569	252,993	403,898	-37.4
San Francisco, CA	-	-	-	-	31	-
Seattle, WA	1,554	733	7,627	2,290	26,835	-91.5
Northern Total	107,893	118,777	147,063	246,334	318,900	-22.8
Chicago, IL	-	30,355	-	30,355	63,655	-52.3
Cleveland, OH	-	-	351	9	752	-98.8
Detroit, MI	90,367	71,341	125,636	161,834	188,817	-14.3
Duluth, MN	440	398	737	1,676	3,192	-47.5
Pembina, ND	17,086	16,683	20,339	52,460	62,484	-16.0
Total	1,970,306	1,636,145	1,133,923	4,928,115	3,738,053	31.8

- = No data reported.

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

s = Absolute percentage less than 0.05.

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

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

Table 21. U.S. coke imports

(short tons)

Continent and country of origin	July - September 2022	April - June 2022	July - September 2021	Year to date		Percent change
				2022	2021	
North America Total	8,927	1,453	9,753	10,608	28,969	-63.4
Canada	8,927	1,453	9,753	10,608	28,969	-63.4
Europe Total	-	17,385	6,808	17,427	24,199	-28.0
Czech Republic	-	17,364	6,774	17,364	23,454	-26.0
Germany, Federal Republic of	-	-	-	-	316	-
Italy	-	-	-	-	375	-
Netherlands	-	-	28	21	28	-25.0
United Kingdom	-	21	6	42	26	61.5
Asia Total	989	137	492	1,940	1,880	3.2
China	989	137	113	1,872	533	251.2
Hong Kong	-	-	48	-	73	-
India	-	-	-	68	88	-22.7
Japan	-	-	331	-	1,186	-
Africa Total	3,261	4,750	2,894	15,425	11,954	29.0
Mozambique	218	-	-	675	62	NM
South Africa	3,043	4,750	2,894	14,750	11,892	24.0
U.S. Total	13,177	23,725	19,947	45,400	67,002	-32.2

- = 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	July - September 2022	April - June 2022	July - September 2021	Year to date		Percent change
				2022	2021	
North America Total	372.23	903.89	195.40	442.92	180.46	145.4
Canada	372.23	903.89	195.40	442.92	180.46	145.4
Europe Total	-	457.47	340.90	457.89	317.62	44.2
Czech Republic	-	456.39	340.20	456.39	314.39	45.2
Germany, Federal Republic of	-	-	-	-	559.28	-
Italy	-	-	-	-	270.32	-
Netherlands	-	-	379.46	416.19	379.46	9.7
United Kingdom	-	1,348.10	958.33	1,097.86	913.46	20.2
Asia Total	1,984.65	895.80	492.80	1,757.84	481.83	264.8
China	1,984.65	895.80	672.20	1,780.78	721.68	146.8
Hong Kong	-	-	1,271.50	-	1,191.67	-
India	-	-	-	1,126.19	645.91	74.4
Japan	-	-	318.63	-	318.17	-
Africa Total	551.13	538.46	509.65	492.73	383.58	28.5
Mozambique	403.93	-	-	393.09	354.74	10.8
South Africa	561.68	538.46	509.65	497.29	383.73	29.6
U.S. Total	537.53	503.56	297.99	521.78	274.69	90.0

- = No data reported.

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

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

Receipts and prices

Table 23. Coal receipts at coke plants by census division

(thousand short tons)

Census division	July - September 2022	April - June 2022	July - September 2021	Year to date		Percent change
				2022	2021	
Middle Atlantic	1,284	1,389	1,330	4,167	3,995	4.3
East North Central	2,337	2,305	2,381	6,771	7,578	-10.7
South Atlantic	206	193	467	661	1,350	-51.0
East South Central	185	121	183	477	513	-7.1
U.S. Total	4,011	4,009	4,361	12,076	13,437	-10.1

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	July - September 2022	April - June 2022	July - September 2021	Year to date		Percent change
				2022	2021	
Middle Atlantic	w	w	w	w	w	w
East North Central	209.54	220.57	137.52	210.63	130.46	61.5
South Atlantic	w	w	w	w	w	w
East South Central	w	w	w	w	w	w
U.S. Total	196.87	200.54	122.40	194.20	119.13	63.0

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	July - September 2022	April - June 2022	July - September 2021	Year to date		Percent change
				2022	2021	
Coke						
Sales	3,360	1,768	1,770	6,673	5,236	27.5
Average Price	223.47	415.39	304.56	310.35	300.07	3.4
Breeze						
Sales	170	190	121	432	315	37.2
Average Price	47.00	115.42	96.71	83.74	85.35	-1.9

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

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

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

(thousand short tons)

Census division and state	July - September 2022	April - June 2022	July - September 2021	Year to date		Percent change
				2022	2021	
Middle Atlantic	180	220	185	542	513	5.8
New York	70	97	49	194	160	20.9
Pennsylvania	110	124	136	349	353	-1.1
East North Central	1,096	1,052	1,098	3,088	3,357	-8.0
Illinois	502	447	474	1,412	1,524	-7.3
Indiana	361	341	367	900	1,055	-14.7
Michigan	76	54	53	172	170	0.9
Ohio	85	98	108	293	310	-5.5
Wisconsin	72	113	97	311	297	4.6
West North Central	2,781	2,889	2,732	8,643	8,093	6.8
Iowa	625	624	637	1,776	1,629	9.0
Kansas	22	27	s	74	37	97.0
Minnesota	145	212	132	636	509	24.9
Missouri	241	237	255	663	710	-6.5
Nebraska	238	231	228	749	706	6.1
North Dakota	1,443	1,490	1,434	4,539	4,362	4.1
South Dakota	66	68	44	207	140	47.5
South Atlantic	533	492	484	1,525	1,572	-3.0
Florida	45	52	45	143	159	-10.5
Georgia	67	59	61	190	213	-10.9
Maryland	127	122	108	321	294	9.1
North Carolina	79	100	88	287	279	3.0
South Carolina	37	11	27	81	101	-19.4
Virginia	100	77	83	300	299	0.3
West Virginia	78	71	72	204	227	-10.1
East South Central	620	743	670	2,045	1,916	6.7
Alabama	149	190	184	517	508	1.7
Kentucky	188	230	193	626	479	30.7
Mississippi	18	22	12	55	57	-2.5
Tennessee	266	302	281	847	872	-2.9
West South Central	231	235	226	754	568	32.7
Arkansas	44	25	33	104	101	2.6
Louisiana	81	84	81	249	217	14.8
Oklahoma	47	50	26	186	69	168.3
Texas	59	77	86	214	180	19.1
Mountain	642	621	670	1,925	1,924	s
Arizona	61	65	74	193	220	-12.1
Colorado	34	37	45	105	104	1.1
Idaho	13	10	25	28	69	-59.6
Montana	43	44	60	137	140	-2.0
Nevada	62	54	46	187	144	29.6
New Mexico	18	13	19	45	46	-3.0
Utah	80	83	87	237	248	-4.2
Wyoming	331	315	315	993	954	4.1
Pacific	413	318	330	1,096	1,017	7.7
Alaska	s	s	s	1	1	s
California	376	278	305	984	921	6.9
Oregon	17	16	7	49	41	20.4
Washington	19	23	18	62	55	13.5
U.S. Total	6,495	6,571	6,395	19,618	18,960	3.5

- = No data reported.

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

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

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

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

(dollars per short ton)

Census division and state	July - September 2022	April - June 2022	July - September 2021	Year to date		Percent change
				2022	2021	
Middle Atlantic	104.85	97.39	85.84	101.40	85.35	18.8
New York	w	w	w	w	w	w
Pennsylvania	w	w	w	w	w	w
East North Central	84.77	82.78	71.26	80.62	70.44	14.5
Illinois	w	w	w	w	w	w
Indiana	w	w	w	w	w	w
Michigan	111.38	91.63	85.38	100.19	91.09	10.0
Ohio	129.54	136.63	105.46	127.78	105.75	20.8
Wisconsin	106.11	90.73	85.48	94.98	87.48	8.6
West North Central	30.91	30.27	27.99	30.28	27.91	8.5
Iowa	33.09	32.63	33.50	32.74	33.51	-2.3
Kansas	w	w	w	w	w	w
Minnesota	58.91	51.80	50.35	53.20	48.76	9.1
Missouri	63.51	57.80	47.95	58.99	47.43	24.4
Nebraska	w	w	w	w	w	w
North Dakota	w	w	w	w	w	w
South Dakota	w	w	w	w	w	w
South Atlantic	150.14	140.66	96.87	139.97	94.29	48.4
Florida	192.02	212.16	119.80	184.10	105.63	74.3
Georgia	188.66	155.64	100.65	179.17	84.44	112.2
Maryland	w	w	w	w	w	w
North Carolina	156.79	131.84	96.63	132.93	96.39	37.9
South Carolina	162.47	w	104.53	w	w	w
Virginia	144.27	141.77	90.24	128.33	89.52	43.4
West Virginia	w	w	w	w	w	w
East South Central	139.73	127.37	93.71	127.00	95.85	32.5
Alabama	w	w	w	w	w	w
Kentucky	140.25	141.93	94.92	131.83	98.31	34.1
Mississippi	w	w	w	w	w	w
Tennessee	128.59	109.88	90.75	114.47	90.33	26.7
West South Central	91.68	91.60	77.26	85.82	76.52	12.2
Arkansas	w	w	w	w	w	w
Louisiana	w	w	w	w	w	w
Oklahoma	w	w	w	w	w	w
Texas	108.69	98.36	99.58	100.15	91.61	9.3
Mountain	70.30	68.68	62.12	67.87	61.58	10.2
Arizona	w	w	w	w	w	w
Colorado	w	w	w	w	w	w
Idaho	151.42	179.73	w	172.89	w	w
Montana	60.57	w	51.14	w	w	w
Nevada	96.38	89.71	78.80	90.72	78.12	16.1
New Mexico	w	w	w	w	w	w
Utah	58.93	55.70	48.42	56.40	49.93	13.0
Wyoming	56.53	54.45	51.93	55.14	51.03	8.1
Pacific	96.95	91.49	83.66	90.78	83.64	8.5
California	97.67	93.14	83.33	91.64	83.60	9.6
Oregon	w	w	w	w	w	w
Washington	w	w	w	w	w	w
U.S. Total	72.37	68.96	57.38	67.93	57.22	18.7

- = 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	July - September 2022	April - June 2022	July - September 2021	Year to date		Percent change
				2022	2021	
311 Food Manufacturing	1,576	1,594	1,563	4,849	4,728	2.6
312 Beverage and Tobacco Product Mfg.	2	4	2	9	10	-12.3
313 Textile Mills	4	3	8	12	29	-56.5
322 Paper Manufacturing	293	339	317	1,074	1,090	-1.5
324 Petroleum and Coal Products	1,331	1,373	1,320	4,189	4,037	3.8
325 Chemical Manufacturing	727	725	726	2,202	2,227	-1.1
327 Nonmetallic Mineral Products Mfg.	2,012	1,920	1,833	5,631	4,951	13.7
331 Primary Metal Manufacturing	268	307	335	784	1,008	-22.2
333 Machinery Manufacturing	11	33	27	73	60	21.3
339 Miscellaneous Manufacturing	271	273	264	794	820	-3.1
U.S. Total	6,495	6,571	6,395	19,618	18,960	3.5

* Includes coal gasification projects.

** Excludes coke plants.

- = No data reported.

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

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

Table 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	July - September 2022	April - June 2022	July - September 2021	Year to date		Percent change
				2022	2021	
311 Food Manufacturing	38.96	36.92	37.33	37.99	37.63	1.0
312 Beverage and Tobacco Product Mfg.	w	w	w	w	w	w
313 Textile Mills	w	w	w	w	w	w
322 Paper Manufacturing	139.94	116.30	93.13	120.13	91.44	31.4
324 Petroleum and Coal Products	w	w	w	w	w	w
325 Chemical Manufacturing	99.68	98.37	81.86	95.94	83.49	14.9
327 Nonmetallic Mineral Products Mfg.	98.73	93.22	71.66	92.38	71.62	29.0
331 Primary Metal Manufacturing	190.16	186.00	138.46	188.53	137.41	37.2
333 Machinery Manufacturing	w	w	w	w	w	w
339 Miscellaneous Manufacturing	70.23	65.99	58.88	65.90	58.49	12.7
U.S. Total	72.37	68.96	57.38	67.93	57.22	18.7

* 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	July - September 2022	April - June 2022	July - September 2021	Year to date		Percent change
				2022	2021	
Middle Atlantic	1	s	-	2	5	-62.8
Pennsylvania	1	s	-	2	5	-62.8
East North Central	37	19	27	105	101	3.4
Illinois	19	13	20	58	65	-10.8
Indiana	18	6	6	47	36	28.9
West North Central	33	28	24	97	71	36.3
Iowa	22	22	20	65	55	19.6
Minnesota	s	s	s	5	2	211.4
Missouri	5	-	1	9	6	39.5
North Dakota	7	6	3	18	9	105.6
South Atlantic	8	5	30	22	59	-62.1
North Carolina	7	5	12	17	38	-54.3
Virginia	1	s	18	5	21	-76.1
East South Central	s	-	-	s	1	-62.2
Kentucky	s	-	-	s	1	-62.2
Mountain	s	1	1	6	5	14.2
Colorado	-	-	-	-	s	-
Montana	-	-	1	-	1	-
Wyoming	s	1	s	6	4	58.7
Pacific	120	94	92	339	324	4.4
Alaska	120	94	92	339	324	4.4
U.S. Total	199	147	174	571	567	0.7

- = No data reported.

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

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

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

Table 31. Average price of coal receipts at commercial and institutional users by census division and state

(dollars per short ton)

Census division and state	July - September 2022	April - June 2022	July - September 2021	Year to date		Percent change
				2022	2021	
Middle Atlantic	w	w	-	w	w	w
Pennsylvania	w	w	-	w	w	w
East North Central	64.15	51.33	49.49	59.18	53.89	9.8
Illinois	w	w	w	w	w	w
Indiana	w	w	w	w	w	w
West North Central	87.00	83.40	84.91	85.35	82.43	3.5
Iowa	w	w	w	w	w	w
Minnesota	w	w	w	w	w	w
Missouri	w	-	w	w	w	w
North Dakota	w	w	w	w	w	w
South Atlantic	w	w	w	w	118.47	w
North Carolina	w	w	w	w	w	w
Virginia	w	w	w	w	w	w
East South Central	w	-	-	w	w	w
Kentucky	w	-	-	w	w	w
Mountain	w	w	w	w	w	w
Colorado	-	-	-	-	83.07	-
Montana	-	-	w	-	w	-
Wyoming	w	w	w	w	w	w
Pacific	88.69	w	w	w	w	w
Alaska	88.69	w	w	w	w	w
U.S. Total	88.24	85.16	85.97	85.80	82.74	3.7

- = 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	127,648	4,361	2,486	4,094	6,579	167	105	272	138,861
April - June	113,708	4,489	2,299	3,857	6,156	103	50	153	124,505
July - September	157,021	4,366	2,456	3,878	6,334	119	47	165	167,886
October - December	102,988	4,372	2,461	4,316	6,777	145	75	220	114,358
Total	501,366	17,589	9,700	16,145	25,845	534	277	811	545,610
2022									
January - March	122,627	4,153	2,580	4,102	6,682	122	122	244	133,706
April - June	107,247	3,949	2,539	4,014	6,553	98	45	142	117,892
July - September	134,716	3,932	2,440	3,880	6,320	147	30	177	145,146
Total	364,591	12,034	7,560	11,996	19,555	367	197	564	396,744
2021 January - September	398,377	13,216	7,240	11,829	19,069	389	201	590	431,253
2020 January - September	324,085	10,894	7,025	11,651	18,676	346	250	597	354,252

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	July - September 2022	April - June 2022	July - September 2021	Year to date		Percent change
				2022	2021	
Middle Atlantic	1,316	1,384	1,346	4,066	3,892	4.5
East North Central	2,276	2,213	2,391	6,750	7,446	-9.3
South Atlantic	209	215	437	780	1,293	-39.6
East South Central	132	137	192	437	585	-25.3
U.S. Total	3,932	3,949	4,366	12,034	13,216	-8.9

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

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

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

(thousand short tons)

Census division and state	July - September 2022	April - June 2022	July - September 2021	Year to date		Percent change
				2022	2021	
Middle Atlantic	168	210	158	527	507	3.9
New York	61	86	42	170	156	8.8
Pennsylvania	107	124	116	358	351	1.8
East North Central	1,071	1,065	1,078	3,237	3,450	-6.2
Illinois	511	438	476	1,425	1,531	-6.9
Indiana	317	324	314	920	1,043	-11.8
Michigan	70	78	67	240	198	20.9
Ohio	91	94	107	294	311	-5.6
Wisconsin	82	130	114	358	368	-2.5
West North Central	2,728	2,860	2,690	8,609	8,040	7.1
Iowa	624	619	599	1,806	1,647	9.6
Kansas	23	23	21	61	35	73.9
Minnesota	133	217	129	619	510	21.5
Missouri	250	231	256	641	706	-9.2
Nebraska	219	255	246	741	705	5.1
North Dakota	1,399	1,458	1,367	4,547	4,268	6.5
South Dakota	80	58	73	195	169	15.5
South Atlantic	510	484	522	1,479	1,609	-8.0
Florida	48	49	62	150	158	-5.3
Georgia	64	59	73	205	226	-9.3
Maryland	125	111	113	312	294	6.2
North Carolina	82	89	90	279	279	s
South Carolina	31	16	25	65	96	-32.9
Virginia	86	88	92	268	312	-14.3
West Virginia	73	73	67	201	243	-17.3
East South Central	616	710	682	1,961	1,933	1.5
Alabama	159	180	179	499	514	-2.9
Kentucky	202	213	185	611	489	25.0
Mississippi	17	17	12	51	52	-1.7
Tennessee	238	300	305	800	878	-8.9
West South Central	220	265	232	742	600	23.6
Arkansas	36	39	36	106	112	-4.7
Louisiana	82	83	81	250	216	15.6
Oklahoma	31	76	53	172	91	88.1
Texas	70	67	62	214	181	18.1
Mountain	658	632	672	1,968	1,952	0.8
Arizona	61	66	79	200	203	-1.7
Colorado	34	51	38	111	99	12.2
Idaho	9	8	24	51	90	-43.9
Montana	52	35	44	152	137	11.0
Nevada	52	59	63	169	176	-4.2
New Mexico	17	13	18	45	47	-4.9
Utah	102	78	88	232	244	-4.6
Wyoming	331	320	318	1,009	956	5.5
Pacific	352	327	300	1,032	978	5.6
Alaska	s	s	s	1	1	s
California	323	306	282	945	900	5.0
Oregon	12	-	-	27	21	27.1
Washington	16	21	18	59	55	7.5
U.S. Total	6,320	6,553	6,334	19,555	19,069	2.6

- = No data reported.

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

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

Source: U.S. Energy Information Administration (EIA), Form EIA-3, 'Quarterly Survey of Industrial, Commercial & Institutional Coal Users' 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	July - September 2022	April - June 2022	July - September 2021	Year to date		Percent change
				2022	2021	
311 Food Manufacturing	1,511	1,621	1,528	4,899	4,734	3.5
312 Beverage and Tobacco Product Mfg.	2	4	3	9	10	-11.0
313 Textile Mills	2	4	7	11	27	-60.4
322 Paper Manufacturing	272	392	352	1,107	1,163	-4.8
324 Petroleum and Coal Products	1,325	1,332	1,291	4,188	3,984	5.1
325 Chemical Manufacturing	698	724	774	2,157	2,274	-5.1
327 Nonmetallic Mineral Products Mfg.	1,957	1,898	1,827	5,498	5,031	9.3
331 Primary Metal Manufacturing	253	277	275	796	976	-18.4
333 Machinery Manufacturing	21	28	20	70	56	24.4
339 Miscellaneous Manufacturing	278	274	258	821	814	0.8
U.S. Total	6,320	6,553	6,334	19,555	19,069	2.6

* 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	July - September 2022	April - June 2022	July - September 2021	Year to date		Percent change
				2022	2021	
Middle Atlantic	-	s	s	3	6	-56.3
Pennsylvania	-	s	s	3	6	-56.3
East North Central	33	24	26	106	103	2.8
Illinois	18	16	20	58	66	-11.7
Indiana	15	8	6	47	37	29.0
West North Central	29	20	24	91	82	11.4
Iowa	23	15	24	62	58	6.9
Minnesota	s	s	s	3	5	-48.9
Missouri	4	-	-	9	6	33.1
North Dakota	2	5	-	17	12	48.5
South Atlantic	8	2	13	27	47	-42.4
North Carolina	7	2	12	23	42	-46.1
Virginia	s	1	s	4	5	-10.8
East South Central	-	-	-	1	3	-76.7
Kentucky	-	-	-	1	3	-76.7
Mountain	s	1	s	7	5	35.2
Colorado	-	-	-	s	s	-54.3
Montana	-	s	-	1	1	-27.3
Wyoming	s	1	s	6	4	58.7
Pacific	107	94	103	330	345	-4.3
Alaska	107	94	103	330	345	-4.3
U.S. Total	177	142	165	564	590	-4.5

- = No data reported.

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

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

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	109,613	1,545	2,538	229	113,926	22,629	136,555
June 30	108,678	1,853	2,625	210	113,366	22,361	135,727
September 30	77,476	1,794	2,636	201	82,107	19,042	101,149
December 31	91,884	1,658	2,624	176	96,343	19,013	115,356
2022							
March 31	86,328	1,590	2,402	157	90,478	20,953*	111,431
June 30	87,386	1,620	2,374	158	91,539	20,927*	112,466
September 30	80,152	1,646	2,529	187	84,515	17,515*	102,030

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	September 30, 2022	June 30, 2022	September 30, 2021	Percent change (September 30) 2022 versus 2021
Middle Atlantic	544	576	467	16.5
East North Central	894	834	988	-9.4
South Atlantic	85	135	225	-62.3
East South Central	123	76	114	7.6
U.S. Total	1,646	1,620	1,794	-8.2

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

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

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

(thousand short tons)

Census division and state	September 30, 2022	June 30, 2022	September 30, 2021	Percent change (September 30) 2022 versus 2021
Middle Atlantic	204	204	217	-6.1
New York	56	59	68	-18.2
Pennsylvania	148	145	149	-0.5
East North Central	385	364	470	-18.1
Illinois	46	55	115	-60.0
Indiana	213	169	179	19.0
Michigan	68	64	100	-31.8
Ohio	18	25	25	-27.9
Wisconsin	40	51	51	-21.8
West North Central	577	531	557	3.5
Iowa	145	144	157	-7.7
Kansas	18	18	10	80.8
Minnesota	51	39	37	37.3
Missouri	59	69	40	45.9
Nebraska	46	31	31	51.4
North Dakota	227	183	272	-16.6
South Dakota	32	46	11	190.9
South Atlantic	312	287	321	-2.7
Florida	48	52	51	-6.6
Georgia	44	29	39	13.5
Maryland	24	22	6	282.4
North Carolina	70	73	68	3.8
South Carolina	42	45	48	-11.9
Virginia	60	46	40	51.2
West Virginia	24	20	70	-65.1
East South Central	224	222	203	10.5
Alabama	74	85	64	16.8
Kentucky	50	66	46	7.9
Mississippi	7	6	13	-47.4
Tennessee	94	66	80	16.2
West South Central	221	217	216	2.0
Arkansas	26	18	23	14.1
Louisiana	3	4	4	-26.3
Oklahoma	98	83	68	44.8
Texas	94	112	122	-23.1
Mountain	420	433	492	-14.6
Arizona	25	25	40	-38.4
Colorado	11	11	20	-43.3
Idaho	155	150	193	-19.9
Montana	30	35	54	-44.8
Nevada	37	27	21	73.8
New Mexico	3	2	3	-2.8
Utah	49	70	30	60.5
Wyoming	111	113	130	-14.5
Pacific	186	116	160	16.7
California	150	88	134	11.8
Oregon	28	23	21	31.4
Washington	8	5	4	101.4
U.S. Total	2,529	2,374	2,636	-4.0

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

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

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

(thousand short tons)

NAICS code	September 30, 2022	June 30, 2022	September 30, 2021	Percent change (September 30) 2022 versus 2021
311 Food Manufacturing	513	445	617	-16.9
312 Beverage and Tobacco Product Mfg.	s	1	s	-4.2
313 Textile Mills	9	8	6	45.9
322 Paper Manufacturing	183	150	169	7.9
324 Petroleum and Coal Products	203	197	216	-6.1
325 Chemical Manufacturing	164	141	216	-23.9
327 Nonmetallic Mineral Products Mfg.	1,168	1,132	1,087	7.4
331 Primary Metal Manufacturing	133	119	139	-4.8
333 Machinery Manufacturing	22	33	24	-6.4
339 Miscellaneous Manufacturing	134	149	161	-16.5
U.S. Total	2,529	2,374	2,636	-4.0

* Includes coal gasification projects.

** Excludes coke plants.

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

(thousand short tons)

Census division	September 30, 2022	June 30, 2022	September 30, 2021	Percent change (September 30) 2022 versus 2021
Middle Atlantic	17	12	6	173.8
East North Central	290	306	232	24.7
South Atlantic	36	33	96	-62.6
East South Central	30	16	91	-66.8
U.S. Total	373	367	426	-12.5
Coke Total	303	310	292	3.8
Breeze Total	69	57	134	-48.1

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

(thousand short tons)

Census division and state	September 30, 2022	June 30, 2022	September 30, 2021	Percent change (September 30) 2022 versus 2021
Middle Atlantic	20	20	21	-2.4
Pennsylvania	20	20	21	-2.4
East North Central	23	19	18	25.6
Illinois	20	19	17	19.2
Indiana	3	1	1	97.2
West North Central	26	27	28	-6.6
Iowa	12	18	19	-34.8
Minnesota	6	6	5	27.2
Missouri	1	-	1	5.3
North Dakota	7	3	4	86.9
South Atlantic	37	37	54	-31.5
District of Columbia	3	3	3	s
North Carolina	25	25	24	6.3
Virginia	9	8	28	-66.8
East South Central	4	4	4	-13.0
Kentucky	4	4	4	-13.0
Mountain	3	3	4	-33.7
Colorado	s	s	1	-21.3
Montana	2	2	3	-37.3
Wyoming	s	s	s	s
Pacific	74	50	71	3.8
Alaska	74	50	71	3.8
U.S. Total	187	158	201	-6.9

- = 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.'

Quality

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

Census division and state ¹	July - September 2022	April - June 2022	July - September 2021	Year to date		Percent change
				2022	2021	
Middle Atlantic						
Btu	14,150	14,124	14,232	14,162	14,240	-0.5
Sulfur	1.13	1.19	1.06	1.13	1.13	0.4
Ash	7.44	7.29	7.44	7.35	7.37	-0.3
New York						
Btu	12,745	12,742	12,720	12,740	12,709	0.2
Sulfur	2.22	2.19	2.19	2.21	2.20	0.5
Ash	9.51	9.56	9.37	9.54	9.27	2.8
Pennsylvania						
Btu	14,221	14,213	14,282	14,223	14,296	-0.5
Sulfur	1.07	1.13	1.02	1.09	1.09	-0.2
Ash	7.33	7.14	7.38	7.25	7.30	-0.6
East North Central						
Btu	13,402	13,335	13,437	13,400	13,469	-0.5
Sulfur	1.19	1.23	1.20	1.23	1.20	3.1
Ash	7.48	7.44	7.48	7.47	7.37	1.4
Illinois						
Btu	11,847	12,180	11,815	12,018	11,790	1.9
Sulfur	2.13	2.46	2.24	2.35	2.17	8.3
Ash	7.24	7.60	7.48	7.49	7.45	0.4
Indiana						
Btu	13,746	13,849	14,094	13,915	14,160	-1.7
Sulfur	0.92	0.87	0.97	0.89	0.98	-9.2
Ash	7.41	7.32	7.39	7.41	7.44	-0.5
Michigan						
Btu	13,834	12,936	13,120	13,289	12,979	2.4
Sulfur	0.71	0.72	0.69	0.72	0.69	4.3
Ash	7.69	7.74	8.08	7.75	7.50	3.3
Ohio						
Btu	14,212	14,191	14,235	14,204	14,275	-0.5
Sulfur	1.03	1.05	1.01	1.03	0.98	5.5
Ash	7.63	7.38	7.33	7.46	7.19	3.7
Wisconsin						
Btu	11,497	10,702	10,712	10,907	10,827	0.7
Sulfur	1.01	1.00	0.88	0.99	0.94	6.2
Ash	8.16	7.01	7.23	7.25	6.98	3.8
West North Central						
Btu	8,219	8,235	8,282	8,194	8,228	-0.4
Sulfur	0.77	0.78	0.84	0.77	0.86	-10.6
Ash	6.23	5.60	6.14	6.05	6.33	-4.3
Iowa						
Btu	8,932	8,946	9,105	8,921	9,078	-1.7
Sulfur	0.51	0.52	0.66	0.48	0.66	-27.2
Ash	4.78	4.77	5.22	4.80	5.18	-7.5
Kansas						
Btu	10,138	10,397	10,798	10,344	10,657	-2.9
Sulfur	2.63	2.19	2.16	2.29	2.49	-8.0
Ash	16.99	13.37	9.66	14.39	12.92	11.4
Minnesota						
Btu	9,235	9,297	9,307	9,304	9,323	-0.2
Sulfur	0.33	0.35	0.34	0.35	0.35	-0.6
Ash	4.30	4.32	4.36	4.26	4.27	-0.2
Missouri						
Btu	11,176	11,168	11,324	11,172	11,230	-0.5
Sulfur	2.05	2.13	2.43	2.09	2.50	-16.3
Ash	8.40	8.48	8.21	8.50	8.57	-0.8
Nebraska						

Census division and state¹	July - September 2022	April - June 2022	July - September 2021	Year to date		Percent change
				2022	2021	
Btu	8,769	8,721	8,700	8,744	8,708	0.4
Sulfur	0.22	0.22	0.22	0.22	0.22	0.6
Ash	4.58	4.50	4.49	4.55	4.53	0.3
North Dakota						
Btu	7,202	7,216	7,218	7,201	7,193	0.1
Sulfur	0.80	0.81	0.79	0.83	0.83	0.3
Ash	6.88	5.72	6.64	6.60	6.88	-4.0
South Dakota						
Btu	8,025	8,009	8,143	8,018	8,343	-3.9
Sulfur	0.35	0.35	0.35	0.35	0.49	-28.7
Ash	4.58	5.21	5.14	4.96	5.90	-15.9
South Atlantic						
Btu	12,993	12,984	13,506	13,143	13,492	-2.6
Sulfur	1.19	1.13	1.10	1.14	1.05	8.8
Ash	11.19	10.91	9.18	10.35	9.15	13.1
Florida						
Btu	12,002	12,302	12,335	12,199	12,645	-3.5
Sulfur	2.79	2.24	2.39	2.48	1.71	45.0
Ash	9.88	9.67	8.64	9.98	9.66	3.3
Georgia						
Btu	12,606	12,281	12,560	12,435	12,655	-1.7
Sulfur	0.87	0.95	0.86	0.92	0.86	7.1
Ash	10.72	11.24	8.35	10.85	8.74	24.2
Maryland						
Btu	10,816	10,836	11,848	11,066	11,812	-6.3
Sulfur	1.47	1.22	1.34	1.34	1.40	-4.1
Ash	25.00	23.17	20.51	22.90	20.55	11.4
North Carolina						
Btu	13,365	13,271	13,505	13,408	13,560	-1.1
Sulfur	0.89	0.90	0.93	0.90	0.90	0.7
Ash	8.28	8.51	7.43	8.16	6.97	17.0
South Carolina						
Btu	13,199	12,380	12,965	12,883	13,028	-1.1
Sulfur	1.32	2.21	1.39	1.61	1.26	27.7
Ash	8.66	10.35	7.48	8.91	7.68	16.0
Virginia						
Btu	14,007	14,085	14,197	14,031	14,082	-0.4
Sulfur	0.94	0.92	0.84	0.90	0.84	6.9
Ash	7.21	7.14	6.92	7.27	7.31	-0.6
West Virginia						
Btu	13,000	13,258	13,798	13,454	13,784	-2.4
Sulfur	1.36	1.32	1.15	1.28	1.11	15.2
Ash	9.59	8.31	8.35	8.26	8.24	0.2
East South Central						
Btu	13,264	13,129	13,222	13,180	13,283	-0.8
Sulfur	1.29	1.29	1.35	1.31	1.32	-0.3
Ash	7.82	7.25	7.91	7.62	7.51	1.4
Alabama						
Btu	13,734	13,319	13,625	13,533	13,663	-0.9
Sulfur	1.02	1.23	1.04	1.14	1.14	0.6
Ash	8.21	7.86	8.65	8.17	8.08	1.1
Kentucky						
Btu	12,752	13,007	12,725	12,814	12,765	0.4
Sulfur	1.47	1.29	1.53	1.36	1.33	2.5
Ash	7.73	6.50	6.60	7.32	6.90	6.2
Mississippi						
Btu	14,742	14,748	14,752	14,725	14,726	s
Sulfur	0.88	0.82	0.77	0.81	0.77	6.2
Ash	3.84	3.84	3.55	3.83	3.60	6.5
Tennessee						
Btu	12,936	12,908	12,975	12,934	13,028	-0.7

Census division and state¹	July - September 2022	April - June 2022	July - September 2021	Year to date		Percent change
				2022	2021	
Sulfur	1.53	1.37	1.65	1.51	1.56	-3.2
Ash	7.66	7.45	8.02	7.44	7.44	s
West South Central						
Btu	10,208	10,338	10,281	10,147	10,194	-0.5
Sulfur	0.70	0.65	0.68	0.65	0.69	-6.9
Ash	7.98	7.66	8.03	7.74	7.57	2.3
Arkansas						
Btu	11,316	11,453	11,630	11,363	11,530	-1.4
Sulfur	1.12	1.23	1.21	1.12	1.25	-10.5
Ash	9.06	8.51	8.79	8.86	8.74	1.3
Louisiana						
Btu	7,489	7,489	7,489	7,489	7,489	s
Sulfur	0.52	0.54	0.54	0.54	0.52	3.9
Ash	7.52	7.20	6.84	7.47	6.54	14.1
Oklahoma						
Btu	12,135	12,526	12,687	11,332	13,147	-13.8
Sulfur	0.80	0.71	0.85	0.66	0.75	-11.6
Ash	7.68	7.75	7.44	7.29	6.17	18.1
Texas						
Btu	11,579	11,645	11,685	11,623	11,570	0.5
Sulfur	0.54	0.55	0.55	0.53	0.57	-7.7
Ash	8.03	7.82	9.04	7.92	8.69	-8.9
Mountain						
Btu	10,719	10,775	10,763	10,701	10,783	-0.8
Sulfur	0.54	0.52	0.48	0.51	0.50	2.6
Ash	6.54	6.52	6.86	6.57	6.60	-0.5
Arizona						
Btu	11,318	11,670	11,584	11,585	11,577	0.1
Sulfur	0.69	0.65	0.66	0.66	0.68	-3.2
Ash	10.64	8.14	10.17	9.09	10.08	-9.8
Colorado						
Btu	11,900	11,949	12,143	11,908	12,108	-1.7
Sulfur	0.53	0.59	0.60	0.56	0.58	-3.6
Ash	8.22	8.35	9.21	8.22	9.27	-11.3
Idaho						
Btu	12,084	12,484	12,507	12,350	12,217	1.1
Sulfur	0.51	0.77	0.42	0.61	0.39	54.1
Ash	8.83	9.83	9.14	9.09	9.33	-2.5
Montana						
Btu	9,681	9,888	9,700	9,436	9,333	1.1
Sulfur	0.38	0.37	0.36	0.34	0.39	-11.6
Ash	5.54	5.21	5.51	5.24	5.63	-6.9
Nevada						
Btu	11,432	11,418	11,553	11,493	11,692	-1.7
Sulfur	0.47	0.47	0.38	0.46	0.39	17.1
Ash	9.49	9.29	9.28	9.81	9.14	7.3
New Mexico						
Btu	12,241	12,345	12,223	12,309	12,249	0.5
Sulfur	0.67	0.66	0.71	0.66	0.69	-3.6
Ash	9.60	9.50	10.28	9.52	10.18	-6.4
Utah						
Btu	11,678	11,771	11,419	11,723	11,573	1.3
Sulfur	0.41	0.45	0.41	0.44	0.41	6.0
Ash	10.14	10.70	10.50	10.62	10.16	4.6
Wyoming						
Btu	10,122	10,084	10,056	10,064	10,149	-0.8
Sulfur	0.57	0.53	0.46	0.51	0.49	3.7
Ash	4.08	4.35	4.27	4.30	3.97	8.3
Pacific						
Btu	11,260	11,293	11,326	11,296	11,430	-1.2
Sulfur	0.40	0.49	0.40	0.42	0.40	5.6

Census division and state ¹	July - September 2022	April - June 2022	July - September 2021	Year to date		Percent change
				2022	2021	
Ash	7.82	7.89	9.72	8.03	9.17	-12.4
California						
Btu	11,359	11,467	11,472	11,420	11,555	-1.2
Sulfur	0.41	0.45	0.40	0.41	0.41	2.0
Ash	7.89	7.96	10.03	8.13	9.42	-13.7
Oregon						
Btu	11,197	11,005	10,083	11,216	11,376	-1.4
Sulfur	0.33	1.42	0.30	0.70	0.35	98.2
Ash	9.73	11.36	8.42	10.48	9.77	7.3
Washington						
Btu	9,401	9,386	9,353	9,407	9,377	0.3
Sulfur	0.33	0.36	0.39	0.35	0.35	1.0
Ash	4.79	4.56	4.95	4.59	4.50	1.9
U.S. Total						
Btu	11,777	11,745	11,931	11,744	11,974	-1.9
Sulfur	1.00	1.02	1.01	1.01	1.02	-1.7
Ash	7.40	7.09	7.36	7.25	7.29	-0.6

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

- = No data reported.

s = Absolute percentage less than 0.05.

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

Table 44. Average quality of coal received at commercial and institutional users by census division and state

Census division and state ¹	July - September 2022	April - June 2022	July - September 2021	Year to date		Percent change
				2022	2021	
Middle Atlantic						
Btu	13,420	12,757	-	13,140	12,631	4.0
Sulfur	1.06	0.64	-	0.81	0.86	-6.0
Ash	10.07	6.35	-	6.80	6.84	-0.7
Pennsylvania						
Btu	13,420	12,757	-	13,140	12,631	4.0
Sulfur	1.06	0.64	-	0.81	0.86	-6.0
Ash	10.07	6.35	-	6.80	6.84	-0.7
East North Central						
Btu	11,051	11,052	11,188	11,130	11,171	-0.4
Sulfur	3.12	3.08	3.15	2.99	2.94	1.5
Ash	10.22	10.18	9.94	9.93	9.70	2.4
Illinois						
Btu	11,077	11,043	11,176	11,102	11,140	-0.3
Sulfur	3.19	3.20	3.34	3.22	3.27	-1.5
Ash	9.98	10.48	10.01	9.94	9.78	1.7
Indiana						
Btu	11,022	11,073	11,229	11,166	11,226	-0.5
Sulfur	3.05	2.79	2.54	2.70	2.36	14.5
Ash	10.48	9.45	9.72	9.92	9.56	3.8
West North Central						
Btu	10,891	10,610	11,069	10,709	10,984	-2.5
Sulfur	2.37	2.22	2.14	2.23	2.30	-2.8
Ash	8.80	7.93	7.43	8.07	7.80	3.5
Iowa						
Btu	11,302	11,109	11,339	11,208	11,265	-0.5
Sulfur	2.82	2.78	2.40	2.79	2.61	6.6
Ash	9.36	8.57	7.90	8.81	8.36	5.4
Minnesota						
Btu	9,406	9,371	9,462	8,756	9,483	-7.7
Sulfur	0.33	0.37	0.32	0.28	0.32	-11.4
Ash	4.33	4.53	5.70	4.70	3.94	19.1
Missouri						
Btu	11,475	-	11,527	11,453	11,471	-0.2
Sulfur	3.05	-	2.05	3.04	2.71	12.2
Ash	8.99	-	8.11	8.87	8.08	9.8
North Dakota						
Btu	9,103	8,979	9,101	9,101	9,171	-0.8
Sulfur	0.35	0.42	0.41	0.40	0.40	-1.4
Ash	6.80	5.93	4.00	5.98	4.84	23.6
South Atlantic						
Btu	13,046	12,659	13,557	12,893	13,166	-2.1
Sulfur	1.64	1.63	1.18	1.55	1.39	11.5
Ash	7.82	10.09	6.81	8.29	7.53	10.2
North Carolina						
Btu	12,905	12,554	12,516	12,703	12,630	0.6
Sulfur	1.80	1.71	2.05	1.76	1.80	-2.2
Ash	8.45	10.52	10.67	9.06	9.21	-1.7
Virginia						
Btu	13,926	14,051	14,231	13,549	14,129	-4.1
Sulfur	0.66	0.56	0.62	0.83	0.65	27.2
Ash	3.83	4.39	4.31	5.67	4.50	25.8
East South Central						
Btu	13,565	-	-	13,232	13,041	1.5
Sulfur	0.76	-	-	0.60	0.80	-25.0
Ash	5.48	-	-	4.53	6.46	-29.9
Kentucky						

Census division and state ¹	July - September 2022	April - June 2022	July - September 2021	Year to date		Percent change
				2022	2021	
Btu	13,565	-	-	13,232	13,041	1.5
Sulfur	0.76	-	-	0.60	0.80	-25.0
Ash	5.48	-	-	4.53	6.46	-29.9
Mountain						
Btu	11,566	11,601	10,566	11,595	11,291	2.7
Sulfur	0.47	0.45	0.55	0.45	0.51	-11.4
Ash	12.20	10.70	7.85	10.63	9.84	8.0
Colorado						
Btu	-	-	-	-	11,545	-
Sulfur	-	-	-	-	0.52	-
Ash	-	-	-	-	9.79	-
Montana						
Btu	-	-	10,484	-	10,484	-
Sulfur	-	-	0.55	-	0.55	-
Ash	-	-	7.73	-	7.73	-
Wyoming						
Btu	11,566	11,601	11,723	11,595	11,484	1.0
Sulfur	0.47	0.45	0.50	0.45	0.50	-9.1
Ash	12.20	10.70	9.53	10.63	10.43	1.9
Pacific						
Btu	7,582	7,454	7,470	7,535	7,484	0.7
Sulfur	0.24	0.11	0.14	0.17	0.14	19.9
Ash	7.59	7.33	5.72	6.85	5.55	23.5
Alaska						
Btu	7,582	7,454	7,470	7,535	7,484	0.7
Sulfur	0.24	0.11	0.14	0.17	0.14	19.9
Ash	7.59	7.33	5.72	6.85	5.55	23.5
U.S. Total						
Btu	9,024	8,728	9,601	9,008	9,262	-2.7
Sulfur	1.19	0.95	1.06	1.10	1.05	4.1
Ash	8.29	7.93	6.81	7.72	6.83	13.0

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.'