



Quarterly Coal Report January–March 2024

July 2024

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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 questions 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, and stocks 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 first-quarter 2024 QCR includes detailed quarterly coal data from January 2024 to March 2024 and aggregated quarterly historical coal data for 2018 through 2024.

All data for 2022 and previous years are final. All data for 2023 and 2024 are preliminary.

Table of Contents

Contacts	ii
Preface	iii
Tables	v
Production.....	1
Exports and Imports.....	5
Receipts and Prices	28
Consumption.....	36
Stocks	42
Quality	48

Table of Tables

Table ES–1. U.S. coal summary statistics, 2018–2024	viii
Table ES–2. U.S. coke summary statistics, 2018–2024	ix
Table 1. U.S. coal production, 2018–2024	2
Table 2. Coal production by state	3
Table 3. Coke and breeze production at coke plants.....	4
Table 4. U.S. coal exports and imports, 2018–2024	6
Table 5. Average price of U.S. coal exports and imports, 2018–2024	6
Table 6. Quantity and average price of U.S. coal imports by origin, 2018–2024	7
Table 7. U.S. coal exports.....	8
Table 8. Average price of U.S. coal exports.....	10
Table 9. U.S. steam coal exports	12
Table 10. Average price of U.S. steam coal exports.....	14
Table 11. U.S. metallurgical coal exports.....	16
Table 12. Average price of U.S. metallurgical coal exports.....	17
Table 13. U.S. coal exports by customs district.....	18
Table 14. Steam coal exports by customs district.....	19
Table 15. Metallurgical coal exports by customs district.....	20
Table 16. U.S. coke exports.....	21
Table 17. Average price of U.S. coke exports	22
Table 18. U.S. coal imports	23
Table 19. Average price of U.S. coal imports	24
Table 20. Coal imports by customs district.....	25

Table 21. U.S. coke imports	26
Table 22. Average price of U.S. coke imports	27
Table 23. Coal receipts at coke plants by census division.....	29
Table 24. Average price of coal received at coke plants by census division	29
Table 25. Open market sales and average price of coke and breeze	30
Table 26. Coal receipts at other industrial plants by census division and state	31
Table 27. Average price of coal receipts at other industrial plants by census division and state	32
Table 28. U.S. coal receipts at manufacturing plants by North American Industry Classification System (NAICS) code	33
Table 29. Average price of U.S. coal receipts at manufacturing plants by North American Industry Classification (NAICS) code	33
Table 30. Coal receipts at commercial and institutional users by census division and state	34
Table 31. Average price of coal receipts at commercial and institutional users by census division and state	35
Table 32. U.S. coal consumption by end-use sector, 2018–2024	37
Table 33. Coal carbonized at coke plants by census division.....	38
Table 34. Coal consumption at other industrial plants by census division and state	39
Table 35. U.S. coal consumption at manufacturing plants by North American Industry Classification System (NAICS) code	40
Table 36. Coal consumption at commercial and institutional users by census division and state	41
Table 37. U.S. coal stocks, 2018–2024.....	43
Table 38. Coal stocks at coke plants by census division	44
Table 39. Coal stocks at other industrial plants by census division and state	45
Table 40. U.S. coal stocks at manufacturing plants by North American Industry Classification System (NAICS) code	46
Table 41. Coke and breeze stocks at coke plants by census division	46

Table 42. Coke stocks at commercial and institutional users by census division and state47

Table 43. Average quality of coal received at manufacturing and coke plants by census division and state49

Table 44. Average quality of coal received at commercial and institutional users by census division and state53

Table ES-1. U.S. coal summary statistics, 2018 - 2024

(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
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	114,426	21,763	96,343	-
Total	577,431	5,388	7,663		545,679	85,115		4,154
2022								
January - March	149,310	1,322	2,211	19,674	134,445	20,401	90,294	-
April - June	144,610	1,636	2,246	20,597	118,737	23,433	91,021	-
July - September	154,477	1,970	2,316	20,445	145,864	21,114	83,717	-
October - December	145,758	1,385	2,161	20,820	116,488	21,007	93,153	-
Total	594,155	6,313	8,934		515,534	85,956		9,296
2023								
January - March	148,706	1,020	2,032	22,390*	101,696	24,620	113,267	-
April - June	142,338	1,014	1,854	22,092*	91,453	24,104	132,319	-
July - September	145,605	994	2,160	18,506*	131,997	24,887	121,207	-
October - December	140,836	981	2,269	18,427*	100,773	26,180	135,995	-
Total	577,485	4,010	8,316		425,919	99,791		23,651
2024								
January - March	129,871	329	2,319	19,989*	100,195	26,806	137,975	-
Total	129,871	329	2,319		100,195	26,806		1,976
2023 January - March	148,706	1,020	2,032		101,696	24,620		-
2022 January - March	149,310	1,322	2,211		134,445	20,401		-

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, 2018 - 2024

(thousand short tons)

Year and quarter	Production	Imports	Producer and distributor stocks ¹	Consumption ²	Exports
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	2,331	491
April - June	2,838	24	310	2,209	762
July - September	2,843	13	303	2,303	560
October - December	2,832	22	301	2,351	506
Total	11,394	67		9,194	2,318
2023					
January - March	2,822	6	374	2,450	304
April - June	2,801	82	200	2,705	352
July - September	2,818	52	161	2,466	444
October - December	2,795	65	149	2,463	409
Total	11,236	206		10,085	1,508
2024					
January - March	2,730	19	187	2,435	277
Total	2,730	19		2,435	277
2023 January - March	2,822	6		2,450	304
2022 January - March	2,881	8		2,331	491

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.'

Production

Table 1. U.S. coal production, 2018 - 2024

(thousand short tons)

Year	January - March	April - June	July - September	October - December	Total
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	149,310	144,610	154,477	145,758	594,155
2023	148,706	142,338	145,605	140,836	577,485
2024	129,871	-	-	-	129,871

- = No data reported.

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

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

Table 2. Coal production by state

(thousand short tons)

Coal-producing region and state	January - March 2024	October - December 2023	January - March 2023	Year to date		Percent change
				2024	2023	
Alabama	3,588	3,152	2,768	3,588	2,768	29.6
Alaska	302	231	284	302	284	6.0
Colorado	3,433	3,635	2,792	3,433	2,792	23.0
Illinois	9,689	8,872	9,822	9,689	9,822	-1.4
Indiana	5,484	5,355	6,711	5,484	6,711	-18.3
Kentucky Total	6,592	6,397	7,603	6,592	7,603	-13.3
Eastern (Kentucky)	2,698	2,764	3,173	2,698	3,173	-15.0
Western (Kentucky)	3,894	3,633	4,430	3,894	4,430	-12.1
Louisiana	70	56	77	70	77	-8.8
Maryland	348	295	314	348	314	10.8
Mississippi	271	857	589	271	589	-54.0
Missouri	37	34	36	37	36	3.5
Montana	6,445	7,411	6,916	6,445	6,916	-6.8
New Mexico	1,787	1,402	2,116	1,787	2,116	-15.6
North Dakota	6,665	5,775	6,728	6,665	6,728	-0.9
Ohio	479	410	497	479	497	-3.5
Oklahoma	s	1	s	s	s	-31.8
Pennsylvania Total	9,982	11,043	10,663	9,982	10,663	-6.4
Anthracite (Pennsylvania)	759	726	634	759	634	19.7
Bituminous (Pennsylvania)	9,223	10,317	10,029	9,223	10,029	-8.0
Texas	2,756	3,400	3,726	2,756	3,726	-26.0
Utah	1,888	1,532	2,035	1,888	2,035	-7.2
Virginia	2,329	2,340	2,987	2,329	2,987	-22.0
West Virginia Total	20,111	19,633	22,320	20,111	22,320	-9.9
Northern (West Virginia)	9,929	10,256	11,818	9,929	11,818	-16.0
Southern (West Virginia)	10,182	9,377	10,503	10,182	10,503	-3.1
Wyoming	47,548	58,941	59,564	47,548	59,564	-20.2
Appalachia Total	39,535	39,637	42,723	39,535	42,723	-7.5
Appalachia Central	15,208	14,480	16,663	15,208	16,663	-8.7
Appalachia Northern	20,739	22,004	23,291	20,739	23,291	-11.0
Appalachia Southern	3,588	3,152	2,768	3,588	2,768	29.6
Interior Region Total	22,202	22,208	25,389	22,202	25,389	-12.6
Illinois Basin	19,068	17,860	20,962	19,068	20,962	-9.0
Interior	3,134	4,348	4,427	3,134	4,427	-29.2
Western Region Total	68,067	78,927	80,436	68,067	80,436	-15.4
Powder River Basin	50,910	62,436	62,996	50,910	62,996	-19.2
Uinta Region	5,172	5,011	4,618	5,172	4,618	12.0
Western	11,985	11,479	12,822	11,985	12,822	-6.5
East of Mississippi River	58,874	58,354	64,274	58,874	64,274	-8.4
West of Mississippi River	70,930	82,417	84,274	70,930	84,274	-15.8
U.S. Subtotal	129,804	140,771	148,548	129,804	148,548	-12.6
Refuse recovery	67	65	158	67	158	-57.4
U.S. Total	129,871	140,836	148,706	129,871	148,706	-12.7

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

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

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

Table 3. Coke and breeze production at coke plants

(thousand short tons)

Census division	January - March 2024	October - December 2023	January - March 2023	Year to date		Percent change
				2024	2023	
Middle Atlantic	891	905	1,006	891	1,006	-11.4
East North Central	1,700	1,755	1,682	1,700	1,682	1.1
South Atlantic	148	151	142	148	142	3.7
East South Central	105	110	112	105	112	-6.3
U.S. Total	2,844	2,921	2,942	2,844	2,942	-3.3
Coke Total	2,730	2,795	2,822	2,730	2,822	-3.2
Breeze Total	114	126	120	114	120	-5.4

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

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

Exports and imports

Table 4. U.S. coal exports and imports, 2018 - 2024

(thousand short tons)

Year	January - March		April - June		July - September		October - December		Total	
	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports
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	20,401	1,322	23,433	1,636	21,114	1,970	21,007	1,385	85,956	6,313
2023	24,620	1,020	24,104	1,014	24,887	994	26,180	981	99,791	4,010
2024	26,806	329	-	-	-	-	-	-	26,806	329

- = 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, 2018 - 2024

(dollars per short ton)

Year	January - March		April - June		July - September		October - December		Total	
	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports
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	187.20	86.50	238.23	103.54	205.99	134.59	191.33	141.73	206.74	118.04
2023	177.89	147.05	154.81	150.63	136.34	143.34	149.22	137.86	154.43	144.79
2024	153.34	232.99	-	-	-	-	-	-	153.34	232.99

- = 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, 2018 - 2024

(short tons and dollars per short ton)

Year and quarter	Australia	Canada	Colombia	Indonesia	China	Venezuela	Other countries	Total
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	-	1,034,232	3,366,886	494,168	116,743	-	376,319	5,388,348
2022	-	1,772,643	4,043,767	137,554	219,112	-	140,391	6,313,467
2023								
January - March	-	151,005	692,014	-	61,300	-	115,947	1,020,266
April - June	-	192,792	695,900	-	21,114	-	104,418	1,014,224
July - September	-	228,606	615,840	-	44,446	-	105,529	994,421
October - December	-	217,638	643,782	-	48,624	-	71,221	981,265
U.S. Total	-	790,041	2,647,536	-	175,484	-	397,115	4,010,176
2024								
January - March	-	162,793	74,132	-	49,341	-	42,653	328,919
U.S. Total	-	162,793	74,132	-	49,341	-	42,653	328,919

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

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	-	157.70	69.12	65.76	132.31	-	130.74	91.49
2022	-	151.35	98.23	86.07	110.17	-	311.63	118.04
2023								
January - March	-	250.43	114.36	-	122.31	-	220.64	147.05
April - June	-	290.46	103.04	-	70.91	-	225.71	150.63
July - September	-	241.17	99.25	-	88.90	-	211.60	143.34
October - December	-	238.29	101.69	-	104.71	-	180.60	137.86
U.S. Total	-	254.18	104.79	-	102.79	-	212.39	144.79
2024								
January - March	-	281.81	244.67	-	77.78	-	205.92	232.99
U.S. Total	-	281.81	244.67	-	77.78	-	205.92	232.99

- = No data reported.

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

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

Table 7. U.S. coal exports

(short tons)

Continent and country of destination	January - March 2024	October - December 2023	January - March 2023	Year to date		Percent change
				2024	2023	
North America Total	665,514	1,929,015	1,114,527	665,514	1,114,527	-40.3
Canada*	434,099	1,591,355	672,836	434,099	672,836	-35.5
Dominican Republic	190,480	323,749	256,324	190,480	256,324	-25.7
Guatemala	-	44	590	-	590	-
Honduras	36,376	-	55,116	36,376	55,116	-34.0
Mexico	4,439	13,584	68,993	4,439	68,993	-93.6
Trinidad and Tobago	87	161	60,657	87	60,657	-99.9
Other**	33	122	11	33	11	200.0
South America Total	2,574,262	1,757,373	2,385,533	2,574,262	2,385,533	7.9
Argentina	271,927	44,554	137,167	271,927	137,167	98.2
Brazil	2,221,398	1,711,557	2,050,883	2,221,398	2,050,883	8.3
Chile	80,870	228	160,059	80,870	160,059	-49.5
Other**	67	1,034	37,424	67	37,424	-99.8
Europe Total	6,371,893	6,316,912	8,180,781	6,371,893	8,180,781	-22.1
Austria	208,752	360,805	510,410	208,752	510,410	-59.1
Belgium	217,644	181,887	392,790	217,644	392,790	-44.6
Croatia	309,254	237,315	397,087	309,254	397,087	-22.1
Finland	111,855	213,861	88,337	111,855	88,337	26.6
France	387,847	295,571	616,382	387,847	616,382	-37.1
Germany, Federal Republic of	659,796	725,082	1,020,811	659,796	1,020,811	-35.4
Italy	306,925	359,189	686,618	306,925	686,618	-55.3
Latvia	-	-	86,483	-	86,483	-
Montenegro	-	-	24,971	-	24,971	-
Netherlands	2,076,081	2,307,118	2,735,964	2,076,081	2,735,964	-24.1
Norway	13,424	21,659	25,023	13,424	25,023	-46.4
Poland	396,592	415,139	571,512	396,592	571,512	-30.6
Romania	3	-	61,295	3	61,295	-100.0
Spain	280,001	248,440	285,312	280,001	285,312	-1.9
Sweden	150,176	175,446	36,423	150,176	36,423	312.3
Turkey	905,938	601,049	301,938	905,938	301,938	200.0
Ukraine	226,327	84,878	-	226,327	-	-
United Kingdom	120,297	89,450	339,424	120,297	339,424	-64.6
Other**	981	23	1	981	1	NM
Asia Total	14,720,880	13,986,219	11,284,095	14,720,880	11,284,095	30.5
China	2,361,768	1,543,569	1,786,186	2,361,768	1,786,186	32.2
India	8,031,947	7,779,336	5,615,669	8,031,947	5,615,669	43.0
Indonesia	316,582	264,338	128,372	316,582	128,372	146.6
Japan	2,109,134	2,691,194	2,074,185	2,109,134	2,074,185	1.7
Malaysia	277,545	269,198	105	277,545	105	NM
Singapore	139,126	190,394	394,290	139,126	394,290	-64.7
South Korea (Republic of Korea)	1,117,650	942,117	1,284,150	1,117,650	1,284,150	-13.0
Taiwan	585	86,497	2	585	2	NM
United Arab Emirates	86,510	66,713	27	86,510	27	NM
Vietnam	82,621	149,665	102	82,621	102	NM
Other**	197,412	3,198	1,007	197,412	1,007	NM
Australia and Oceania Total	47	342	-	47	-	-
Other**	47	342	-	47	-	-
Africa Total	2,473,031	2,190,560	1,654,918	2,473,031	1,654,918	49.4
Egypt	766,034	792,026	1,035,635	766,034	1,035,635	-26.0
Kenya	22	-	52,215	22	52,215	-100.0
Morocco	1,609,728	1,398,250	502,032	1,609,728	502,032	220.6
South Africa	97,247	282	65,036	97,247	65,036	49.5
Other**	-	2	-	-	-	-
Total	26,805,627	26,180,421	24,619,854	26,805,627	24,619,854	8.9

* 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 2023.

- = No data reported.

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

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

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

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

(dollars per short ton)

Continent and country of destination	January - March 2024	October - December 2023	January - March 2023	Year to date		Percent change
				2024	2023	
North America Total	122.79	169.33	163.14	122.79	163.14	-24.7
Canada*	146.02	183.60	182.91	146.02	182.91	-20.2
Dominican Republic	73.33	99.74	114.32	73.33	114.32	-35.9
Guatemala	-	499.07	381.49	-	381.49	-
Honduras	90.72	-	90.72	90.72	90.72	s
Mexico	221.48	143.58	131.48	221.48	131.48	68.5
Trinidad and Tobago	655.28	532.24	249.82	655.28	249.82	162.3
Other**	618.97	890.88	688.45	618.97	688.45	-10.1
South America Total	188.28	171.24	222.94	188.28	222.94	-15.5
Argentina	245.28	102.28	170.96	245.28	170.96	43.5
Brazil	184.18	172.94	240.83	184.18	240.83	-23.5
Chile	109.11	397.80	78.01	109.11	78.01	39.9
Other**	481.51	281.37	52.64	481.51	52.64	NM
Europe Total	182.45	187.73	201.25	182.45	201.25	-9.3
Austria	262.53	262.28	231.76	262.53	231.76	13.3
Belgium	202.71	236.75	163.91	202.71	163.91	23.7
Croatia	220.71	211.24	219.13	220.71	219.13	0.7
Finland	245.51	199.20	226.85	245.51	226.85	8.2
France	176.31	168.63	175.94	176.31	175.94	0.2
Germany, Federal Republic of	151.53	174.98	179.12	151.53	179.12	-15.4
Italy	195.53	181.13	240.27	195.53	240.27	-18.6
Latvia	-	-	181.72	-	181.72	-
Montenegro	-	-	280.61	-	280.61	-
Netherlands	152.26	164.22	178.26	152.26	178.26	-14.6
Norway	224.38	284.87	397.47	224.38	397.47	-43.5
Poland	226.91	217.87	252.53	226.91	252.53	-10.1
Romania	1,056.33	-	226.80	1,056.33	226.80	365.8
Spain	166.28	193.82	232.83	166.28	232.83	-28.6
Sweden	241.43	198.29	226.97	241.43	226.97	6.4
Turkey	224.39	208.67	235.92	224.39	235.92	-4.9
Ukraine	87.70	114.31	-	87.70	-	-
United Kingdom	202.55	224.48	223.47	202.55	223.47	-9.4
Other**	122.61	1,740.61	5,396.00	122.61	5,396.00	-97.7
Asia Total	147.84	136.09	163.71	147.84	163.71	-9.7
China	160.70	151.55	212.90	160.70	212.90	-24.5
India	142.76	136.84	152.64	142.76	152.64	-6.5
Indonesia	210.46	97.73	158.23	210.46	158.23	33.0
Japan	184.31	161.45	162.92	184.31	162.92	13.1
Malaysia	190.14	195.51	766.14	190.14	766.14	-75.2
Singapore	31.75	31.75	251.22	31.75	251.22	-87.4
South Korea (Republic of Korea)	86.65	61.36	118.46	86.65	118.46	-26.9
Taiwan	92.27	32.21	1,460.00	92.27	1,460.00	-93.7
United Arab Emirates	52.22	56.39	505.30	52.22	505.30	-89.7
Vietnam	64.48	143.11	141.76	64.48	141.76	-54.5
Other**	156.37	60.71	354.79	156.37	354.79	-55.9
Australia and Oceania Total	174.47	326.82	-	174.47	-	-
Other**	174.47	326.82	-	174.47	-	-
Africa Total	82.91	86.60	104.02	82.91	104.02	-20.3
Egypt	89.00	100.01	107.34	89.00	107.34	-17.1
Kenya	246.82	-	136.08	246.82	136.08	81.4
Morocco	79.64	78.95	78.76	79.64	78.76	1.1
South Africa	89.15	316.72	220.46	89.15	220.46	-59.6
Other**	-	1,425.50	-	-	-	-
Total	153.34	149.22	177.89	153.34	177.89	-13.8

* 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 2023.

- = No data reported.

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

s = Absolute percentage less than 0.05.

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

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

Table 9. U.S. steam coal exports

(short tons)

Continent and country of destination	January - March 2024	October - December 2023	January - March 2023	Year to date		Percent change
				2024	2023	
North America Total	647,309	656,854	776,946	647,309	776,946	-16.7
Canada*	416,141	319,586	396,185	416,141	396,185	5.0
Dominican Republic	190,480	323,749	256,324	190,480	256,324	-25.7
Guatemala	-	44	590	-	590	-
Honduras	36,376	-	55,116	36,376	55,116	-34.0
Mexico	4,192	13,192	68,690	4,192	68,690	-93.9
Trinidad and Tobago	87	161	30	87	30	190.0
Other**	33	122	11	33	11	200.0
South America Total	478,668	161,064	388,920	478,668	388,920	23.1
Argentina	148,640	-	90,539	148,640	90,539	64.2
Brazil	249,091	159,802	100,898	249,091	100,898	146.9
Chile	80,870	228	160,059	80,870	160,059	-49.5
Other**	67	1,034	37,424	67	37,424	-99.8
Europe Total	1,496,222	1,823,162	3,703,456	1,496,222	3,703,456	-59.6
Belgium	-	45,098	263,820	-	263,820	-
Croatia	193	215	94,363	193	94,363	-99.8
France	44,644	61,033	258,390	44,644	258,390	-82.7
Germany, Federal Republic of	286,678	278,429	682,504	286,678	682,504	-58.0
Italy	-	69,616	254,152	-	254,152	-
Latvia	-	-	86,483	-	86,483	-
Netherlands	1,021,687	1,164,262	1,576,397	1,021,687	1,576,397	-35.2
Norway	8,638	8,718	10,254	8,638	10,254	-15.8
Poland	-	84,437	166,237	-	166,237	-
Romania	3	-	61,295	3	61,295	-100.0
Spain	133,288	54,236	106,534	133,288	106,534	25.1
Turkey	110	56,704	470	110	470	-76.6
United Kingdom	-	391	142,556	-	142,556	-
Other**	981	23	1	981	1	NM
Asia Total	7,587,083	8,658,717	5,788,135	7,587,083	5,788,135	31.1
China	651,600	727,478	114,414	651,600	114,414	469.5
India	4,563,537	5,073,488	3,689,419	4,563,537	3,689,419	23.7
Indonesia	85,472	167,364	67,745	85,472	67,745	26.2
Japan	1,095,576	1,343,732	1,059,228	1,095,576	1,059,228	3.4
Malaysia	1,281	79,276	105	1,281	105	NM
Singapore	139,126	190,394	46	139,126	46	NM
South Korea (Republic of Korea)	822,123	805,635	856,040	822,123	856,040	-4.0
Taiwan	585	86,497	2	585	2	NM
United Arab Emirates	86,510	66,713	27	86,510	27	NM
Vietnam	82,621	114,942	102	82,621	102	NM
Other**	58,652	3,198	1,007	58,652	1,007	NM
Australia and Oceania Total	-	342	-	-	-	-
Other**	-	342	-	-	-	-
Africa Total	2,269,655	2,190,560	1,530,627	2,269,655	1,530,627	48.3
Egypt	705,407	792,026	976,380	705,407	976,380	-27.8
Kenya	22	-	52,215	22	52,215	-100.0
Morocco	1,528,708	1,398,250	502,032	1,528,708	502,032	204.5
South Africa	35,518	282	-	35,518	-	-
Other**	-	2	-	-	-	-
Total	12,478,937	13,490,699	12,188,084	12,478,937	12,188,084	2.4

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

** Includes countries with coal exports less than or equal to 50,000 short tons in 2023.

- = 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.

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

(dollars per short ton)

Continent and country of destination	January - March 2024	October - December 2023	January - March 2023	Year to date		Percent change
				2024	2023	
North America Total	120.45	141.21	144.10	120.45	144.10	-16.4
Canada*	143.42	182.62	172.61	143.42	172.61	-16.9
Dominican Republic	73.33	99.74	114.32	73.33	114.32	-35.9
Guatemala	-	499.07	381.49	-	381.49	-
Honduras	90.72	-	90.72	90.72	90.72	s
Mexico	224.21	142.64	131.29	224.21	131.29	70.8
Trinidad and Tobago	655.28	532.24	546.00	655.28	546.00	20.0
Other**	618.97	890.88	688.45	618.97	688.45	-10.1
South America Total	154.32	156.79	153.49	154.32	153.49	0.5
Argentina	221.33	-	177.87	221.33	177.87	24.4
Brazil	128.91	155.64	288.75	128.91	288.75	-55.4
Chile	109.11	397.80	78.01	109.11	78.01	39.9
Other**	481.51	281.37	52.64	481.51	52.64	NM
Europe Total	106.34	127.23	144.94	106.34	144.94	-26.6
Belgium	-	294.33	134.88	-	134.88	-
Croatia	86.21	156.29	125.76	86.21	125.76	-31.4
France	188.44	204.72	107.61	188.44	107.61	75.1
Germany, Federal Republic of	93.24	85.48	125.80	93.24	125.80	-25.9
Italy	-	69.53	165.88	-	165.88	-
Latvia	-	-	181.72	-	181.72	-
Netherlands	106.64	125.93	133.72	106.64	133.72	-20.3
Norway	99.79	99.79	347.88	99.79	347.88	-71.3
Poland	-	116.34	284.40	-	284.40	-
Romania	1,056.33	-	226.80	1,056.33	226.80	365.8
Spain	104.87	95.21	225.58	104.87	225.58	-53.5
Turkey	299.64	263.09	296.85	299.64	296.85	0.9
United Kingdom	-	237.18	126.81	-	126.81	-
Other**	122.61	1,740.61	5,396.00	122.61	5,396.00	-97.7
Asia Total	87.04	92.12	103.45	87.04	103.45	-15.9
China	85.77	123.93	196.77	85.77	196.77	-56.4
India	89.77	94.01	107.76	89.77	107.76	-16.7
Indonesia	125.31	73.67	184.96	125.31	184.96	-32.3
Japan	124.04	105.24	110.72	124.04	110.72	12.0
Malaysia	86.43	253.80	766.14	86.43	766.14	-88.7
Singapore	31.75	31.75	317.37	31.75	317.37	-90.0
South Korea (Republic of Korea)	34.14	38.30	56.51	34.14	56.51	-39.6
Taiwan	92.27	32.21	1,460.00	92.27	1,460.00	-93.7
United Arab Emirates	52.22	56.39	505.30	52.22	505.30	-89.7
Vietnam	64.48	113.33	141.76	64.48	141.76	-54.5
Other**	97.08	60.71	354.79	97.08	354.79	-72.6
Australia and Oceania Total	-	326.82	-	-	-	-
Other**	-	326.82	-	-	-	-
Africa Total	81.51	86.60	99.54	81.51	99.54	-18.1
Egypt	87.29	100.01	108.27	87.29	108.27	-19.4
Kenya	246.82	-	136.08	246.82	136.08	81.4
Morocco	78.36	78.95	78.76	78.36	78.76	-0.5
South Africa	102.19	316.72	-	102.19	-	-
Other**	-	1,425.50	-	-	-	-
Total	92.66	99.14	119.75	92.66	119.75	-22.6

* 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 2023.

- = No data reported.

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

s = Absolute percentage less than 0.05.

Note: Average price is based on the free alongside ship (f.a.s) value, including value for shipments of specialty coal not used as a fuel source (about 0.05 percent of all shipments). Steam coal includes bituminous, sub-bituminous, lignite, and anthracite. Total may not equal sum of components because of independent rounding.
Source: U.S. Department of Commerce, Bureau of the Census, 'Monthly Report EM 545.'

Table 11. U.S. metallurgical coal exports

(short tons)

Continent and country of destination	January - March 2024	October - December 2023	January - March 2023	Year to date		Percent change
				2024	2023	
North America Total	18,205	1,272,161	337,581	18,205	337,581	-94.6
Canada*	17,958	1,271,769	276,651	17,958	276,651	-93.5
Mexico	247	392	303	247	303	-18.5
Trinidad and Tobago	-	-	60,627	-	60,627	-
South America Total	2,095,594	1,596,309	1,996,613	2,095,594	1,996,613	5.0
Argentina	123,287	44,554	46,628	123,287	46,628	164.4
Brazil	1,972,307	1,551,755	1,949,985	1,972,307	1,949,985	1.1
Europe Total	4,875,671	4,493,750	4,477,325	4,875,671	4,477,325	8.9
Austria	208,752	360,805	510,410	208,752	510,410	-59.1
Belgium	217,644	136,789	128,970	217,644	128,970	68.8
Croatia	309,061	237,100	302,724	309,061	302,724	2.1
Finland	111,855	213,861	88,337	111,855	88,337	26.6
France	343,203	234,538	357,992	343,203	357,992	-4.1
Germany, Federal Republic of	373,118	446,653	338,307	373,118	338,307	10.3
Italy	306,925	289,573	432,466	306,925	432,466	-29.0
Montenegro	-	-	24,971	-	24,971	-
Netherlands	1,054,394	1,142,856	1,159,567	1,054,394	1,159,567	-9.1
Norway	4,786	12,941	14,769	4,786	14,769	-67.6
Poland	396,592	330,702	405,275	396,592	405,275	-2.1
Spain	146,713	194,204	178,778	146,713	178,778	-17.9
Sweden	150,176	175,446	36,423	150,176	36,423	312.3
Turkey	905,828	544,345	301,468	905,828	301,468	200.5
Ukraine	226,327	84,878	-	226,327	-	-
United Kingdom	120,297	89,059	196,868	120,297	196,868	-38.9
Asia Total	7,133,797	5,327,502	5,495,960	7,133,797	5,495,960	29.8
China	1,710,168	816,091	1,671,772	1,710,168	1,671,772	2.3
India	3,468,410	2,705,848	1,926,250	3,468,410	1,926,250	80.1
Indonesia	231,110	96,974	60,627	231,110	60,627	281.2
Japan	1,013,558	1,347,462	1,014,957	1,013,558	1,014,957	-0.1
Malaysia	276,264	189,922	-	276,264	-	-
Singapore	-	-	394,244	-	394,244	-
South Korea (Republic of Korea)	295,527	136,482	428,110	295,527	428,110	-31.0
Vietnam	-	34,723	-	-	-	-
Other**	138,760	-	-	138,760	-	-
Australia and Oceania Total	47	-	-	47	-	-
Other**	47	-	-	47	-	-
Africa Total	203,376	-	124,291	203,376	124,291	63.6
Egypt	60,627	-	59,255	60,627	59,255	2.3
Morocco	81,020	-	-	81,020	-	-
South Africa	61,729	-	65,036	61,729	65,036	-5.1
Total	14,326,690	12,689,722	12,431,770	14,326,690	12,431,770	15.2

* 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 2023.

- = 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	January - March 2024	October - December 2023	January - March 2023	Year to date		Percent change
				2024	2023	
North America Total	205.87	183.85	206.97	205.87	206.97	-0.5
Canada*	206.29	183.85	197.65	206.29	197.65	4.4
Mexico	175.16	175.36	174.71	175.16	174.71	0.3
Trinidad and Tobago	-	-	249.68	-	249.68	-
South America Total	196.04	172.70	236.46	196.04	236.46	-17.1
Argentina	274.14	102.28	157.54	274.14	157.54	74.0
Brazil	191.16	174.72	238.35	191.16	238.35	-19.8
Europe Total	205.81	212.27	247.83	205.81	247.83	-17.0
Austria	262.53	262.28	231.76	262.53	231.76	13.3
Belgium	202.71	217.76	223.30	202.71	223.30	-9.2
Croatia	220.80	211.29	248.24	220.80	248.24	-11.1
Finland	245.51	199.20	226.85	245.51	226.85	8.2
France	174.73	159.24	225.27	174.73	225.27	-22.4
Germany, Federal Republic of	196.32	230.77	286.70	196.32	286.70	-31.5
Italy	195.53	207.96	283.98	195.53	283.98	-31.1
Montenegro	-	-	280.61	-	280.61	-
Netherlands	196.47	203.22	238.82	196.47	238.82	-17.7
Norway	449.23	409.55	431.90	449.23	431.90	4.0
Poland	226.91	243.80	239.45	226.91	239.45	-5.2
Spain	222.07	221.35	237.14	222.07	237.14	-6.4
Sweden	241.43	198.29	226.97	241.43	226.97	6.4
Turkey	224.38	203.00	235.83	224.38	235.83	-4.9
Ukraine	87.70	114.31	-	87.70	-	-
United Kingdom	202.55	224.42	293.47	202.55	293.47	-31.0
Asia Total	212.51	207.56	227.18	212.51	227.18	-6.5
China	189.25	176.17	214.01	189.25	214.01	-11.6
India	212.48	217.16	238.59	212.48	238.59	-10.9
Indonesia	241.95	139.26	128.37	241.95	128.37	88.5
Japan	249.45	217.50	217.40	249.45	217.40	14.7
Malaysia	190.62	171.18	-	190.62	-	-
Singapore	-	-	251.22	-	251.22	-
South Korea (Republic of Korea)	232.71	197.46	242.32	232.71	242.32	-4.0
Vietnam	-	241.68	-	-	-	-
Other**	181.44	-	-	181.44	-	-
Australia and Oceania Total	174.47	-	-	174.47	-	-
Other**	174.47	-	-	174.47	-	-
Africa Total	98.57	-	159.25	98.57	159.25	-38.1
Egypt	108.86	-	92.08	108.86	92.08	18.2
Morocco	103.75	-	-	103.75	-	-
South Africa	81.65	-	220.46	81.65	220.46	-63.0
Total	206.19	202.47	234.88	206.19	234.88	-12.2

* 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 2023.

- = 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	January - March 2024	October - December 2023	January - March 2023	Year to date		Percent change
				2024	2023	
Eastern Total	18,600,266	17,631,335	16,315,487	18,600,266	16,315,487	14.0
Baltimore, MD	7,190,876	7,670,794	7,036,660	7,190,876	7,036,660	2.2
Boston, MA	2	-	-	2	-	-
Buffalo, NY	2,299	984,741	234,150	2,299	234,150	-99.0
New York City, NY	282	1,312	763	282	763	-63.0
Norfolk, VA	11,214,691	8,909,166	8,882,733	11,214,691	8,882,733	26.3
Ogdensburg, NY	9,966	10,995	140,723	9,966	140,723	-92.9
Philadelphia, PA	122,265	54,321	20,419	122,265	20,419	498.8
Portland, ME	59,885	6	39	59,885	39	NM
Southern Total	6,380,274	6,117,061	6,679,508	6,380,274	6,679,508	-4.5
El Paso, TX	1,389	11,692	20,753	1,389	20,753	-93.3
Houston-Galveston, TX	153,516	67,313	134,341	153,516	134,341	14.3
Laredo, TX	2,936	1,846	2,562	2,936	2,562	14.6
Miami, FL	50	47	126	50	126	-60.3
Mobile, AL	2,896,783	2,564,065	2,951,773	2,896,783	2,951,773	-1.9
New Orleans, LA	3,325,370	3,471,208	3,567,712	3,325,370	3,567,712	-6.8
San Juan, PR	-	-	519	-	519	-
Savannah, GA	201	35	281	201	281	-28.5
Tampa, FL	29	855	1,441	29	1,441	-98.0
Western Total	1,764,695	2,097,791	1,545,330	1,764,695	1,545,330	14.2
Great Falls, MT	411	194	15,251	411	15,251	-97.3
Los Angeles, CA	295,181	277,328	231,418	295,181	231,418	27.6
Nogales, AZ	30	22	45,639	30	45,639	-99.9
San Diego, CA	84	24	22	84	22	281.8
San Francisco, CA	133,322	336,768	291,011	133,322	291,011	-54.2
Seattle, WA	1,335,667	1,483,455	961,989	1,335,667	961,989	38.8
Northern Total	57,610	331,848	75,835	57,610	75,835	-24.0
Cleveland, OH	15,731	67,396	61,729	15,731	61,729	-74.5
Detroit, MI	10,912	261,356	10,183	10,912	10,183	7.2
Duluth, MN	-	94	103	-	103	-
Minneapolis, MN	26,782	-	-	26,782	-	-
Pembina, ND	4,185	3,002	3,820	4,185	3,820	9.6
Other Ports	2,782	2,386	3,694	2,782	3,694	-24.7
Total	26,805,627	26,180,421	24,619,854	26,805,627	24,619,854	8.9

- = 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	January - March 2024	October - December 2023	January - March 2023	Year to date		Percent change
				2024	2023	
Eastern Total	7,329,760	7,118,015	6,568,766	7,329,760	6,568,766	11.6
Baltimore, MD	4,980,333	5,608,593	4,477,837	4,980,333	4,477,837	11.2
Boston, MA	2	-	-	2	-	-
Buffalo, NY	2,299	2,819	22,861	2,299	22,861	-89.9
New York City, NY	282	1,312	763	282	763	-63.0
Norfolk, VA	2,156,256	1,442,284	1,909,623	2,156,256	1,909,623	12.9
Ogdensburg, NY	8,438	8,680	137,224	8,438	137,224	-93.9
Philadelphia, PA	122,265	54,321	20,419	122,265	20,419	498.8
Portland, ME	59,885	6	39	59,885	39	NM
Southern Total	3,340,520	4,228,191	4,056,322	3,340,520	4,056,322	-17.6
El Paso, TX	1,389	11,692	20,753	1,389	20,753	-93.3
Houston-Galveston, TX	153,516	67,313	134,319	153,516	134,319	14.3
Laredo, TX	2,689	1,454	2,259	2,689	2,259	19.0
Miami, FL	50	47	126	50	126	-60.3
Mobile, AL	234,133	793,760	788,476	234,133	788,476	-70.3
New Orleans, LA	2,948,513	3,353,035	3,108,148	2,948,513	3,108,148	-5.1
San Juan, PR	-	-	519	-	519	-
Savannah, GA	201	35	281	201	281	-28.5
Tampa, FL	29	855	1,441	29	1,441	-98.0
Western Total	1,764,695	2,097,791	1,545,330	1,764,695	1,545,330	14.2
Great Falls, MT	411	194	15,251	411	15,251	-97.3
Los Angeles, CA	295,181	277,328	231,418	295,181	231,418	27.6
Nogales, AZ	30	22	45,639	30	45,639	-99.9
San Diego, CA	84	24	22	84	22	281.8
San Francisco, CA	133,322	336,768	291,011	133,322	291,011	-54.2
Seattle, WA	1,335,667	1,483,455	961,989	1,335,667	961,989	38.8
Northern Total	41,180	44,316	13,972	41,180	13,972	194.7
Cleveland, OH	-	22	-	-	-	-
Detroit, MI	10,213	41,198	10,183	10,213	10,183	0.3
Duluth, MN	-	94	103	-	103	-
Minneapolis, MN	26,782	-	-	26,782	-	-
Pembina, ND	4,185	3,002	3,686	4,185	3,686	13.5
Other Ports	2,782	2,386	3,694	2,782	3,694	-24.7
Total	12,478,937	13,490,699	12,188,084	12,478,937	12,188,084	2.4

- = No data reported.

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

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

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

Table 15. Metallurgical coal exports by customs district

(short tons)

Customs district	January - March 2024	October - December 2023	January - March 2023	Year to date		Percent change
				2024	2023	
Eastern Total	11,270,506	10,513,320	9,746,721	11,270,506	9,746,721	15.6
Baltimore, MD	2,210,543	2,062,201	2,558,823	2,210,543	2,558,823	-13.6
Buffalo, NY	-	981,922	211,289	-	211,289	-
Norfolk, VA	9,058,435	7,466,882	6,973,110	9,058,435	6,973,110	29.9
Ogdensburg, NY	1,528	2,315	3,499	1,528	3,499	-56.3
Southern Total	3,039,754	1,888,870	2,623,186	3,039,754	2,623,186	15.9
Houston-Galveston, TX	-	-	22	-	22	-
Laredo, TX	247	392	303	247	303	-18.5
Mobile, AL	2,662,650	1,770,305	2,163,297	2,662,650	2,163,297	23.1
New Orleans, LA	376,857	118,173	459,564	376,857	459,564	-18.0
Northern Total	16,430	287,532	61,863	16,430	61,863	-73.4
Cleveland, OH	15,731	67,374	61,729	15,731	61,729	-74.5
Detroit, MI	699	220,158	-	699	-	-
Pembina, ND	-	-	134	-	134	-
Total	14,326,690	12,689,722	12,431,770	14,326,690	12,431,770	15.2

- = No data reported.

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

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

Table 16. U.S. coke exports

(short tons)

Continent and country of destination	January - March 2024	October - December 2023	January - March 2023	Year to date		Percent change
				2024	2023	
North America Total	151,797	331,789	179,737	151,797	179,737	-15.5
Canada*	131,600	289,195	124,702	131,600	124,702	5.5
Mexico	19,894	41,206	54,735	19,894	54,735	-63.7
Other**	303	1,388	300	303	300	1.0
South America Total	36,376	54,378	93,692	36,376	93,692	-61.2
Brazil	-	54,315	93,692	-	93,692	-
Other**	36,376	63	-	36,376	-	-
Europe Total	88,101	22,163	30,477	88,101	30,477	189.1
Other**	88,101	22,163	30,477	88,101	30,477	189.1
Asia Total	207	191	111	207	111	86.5
Other**	207	191	111	207	111	86.5
Australia and Oceania Total	44	45	22	44	22	100.0
Other**	44	45	22	44	22	100.0
Total	276,525	408,566	304,039	276,525	304,039	-9.0

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

** Includes countries with coal exports less than or equal to 50,000 short tons in 2023.

- = No data reported.

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

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

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

(dollars per short ton)

Continent and country of destination	January - March 2024	October - December 2023	January - March 2023	Year to date		Percent change
				2024	2023	
North America Total	434.87	412.38	470.51	434.87	470.51	-7.6
Canada*	392.27	413.87	490.27	392.27	490.27	-20.0
Mexico	715.40	409.02	424.02	715.40	424.02	68.7
Other**	518.42	203.33	738.33	518.42	738.33	-29.8
South America Total	148.78	226.81	454.77	148.78	454.77	-67.3
Brazil	-	226.80	454.77	-	454.77	-
Other**	148.78	240.48	-	148.78	-	-
Europe Total	77.91	174.66	223.25	77.91	223.25	-65.1
Other**	77.91	174.66	223.25	77.91	223.25	-65.1
Asia Total	593.40	594.11	937.96	593.40	937.96	-36.7
Other**	593.40	594.11	937.96	593.40	937.96	-36.7
Australia and Oceania Total	261.82	256.00	261.82	261.82	261.82	s
Other**	261.82	256.00	261.82	261.82	261.82	s
Total	283.60	374.86	441.03	283.60	441.03	-35.7

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

** Includes countries with coal exports less than or equal to 50,000 short tons in 2023.

- = No data reported.

s = Absolute percentage less than 0.05.

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

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

Table 18. U.S. coal imports

(short tons)

Continent and country of origin	January - March 2024	October - December 2023	January - March 2023	Year to date		Percent change
				2024	2023	
North America Total	163,147	217,810	153,124	163,147	153,124	6.5
Canada	162,793	217,638	151,005	162,793	151,005	7.8
Mexico	354	172	2,119	354	2,119	-83.3
South America Total	114,061	713,147	730,236	114,061	730,236	-84.4
Colombia	74,132	643,782	692,014	74,132	692,014	-89.3
Peru	39,929	69,365	38,222	39,929	38,222	4.5
Europe Total	861	67	39,229	861	39,229	-97.8
Germany, Federal Republic of	1	67	-	1	-	-
Greece	12	-	-	12	-	-
Ireland	120	-	39,227	120	39,227	-99.7
Netherlands	388	-	-	388	-	-
United Kingdom	340	-	2	340	2	NM
Asia Total	50,850	50,238	61,300	50,850	61,300	-17.0
China	49,341	48,624	61,300	49,341	61,300	-19.5
Japan	1,509	1,614	-	1,509	-	-
Africa Total	-	3	36,377	-	36,377	-
South Africa	-	3	36,377	-	36,377	-
Total	328,919	981,265	1,020,266	328,919	1,020,266	-67.8

- = No data reported.

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

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

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

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

(dollars per short ton)

Continent and country of origin	January - March 2024	October - December 2023	January - March 2023	Year to date		Percent change
				2024	2023	
North America Total	281.35	238.15	249.04	281.35	249.04	13.0
Canada	281.81	238.29	250.43	281.81	250.43	12.5
Mexico	66.25	66.10	149.91	66.25	149.91	-55.8
South America Total	233.40	109.66	119.37	233.40	119.37	95.5
Colombia	244.67	101.69	114.36	244.67	114.36	113.9
Peru	212.50	183.58	210.16	212.50	210.16	1.1
Europe Total	203.63	75.22	176.97	203.63	176.97	15.1
Germany, Federal Republic of	3,875.00	75.22	-	3,875.00	-	-
Greece	316.92	-	-	316.92	-	-
Ireland	265.83	-	176.90	265.83	176.90	50.3
Netherlands	72.16	-	-	72.16	-	-
United Kingdom	316.91	-	1,633.50	316.91	1,633.50	-80.6
Asia Total	77.43	103.47	122.31	77.43	122.31	-36.7
China	77.78	104.71	122.31	77.78	122.31	-36.4
Japan	65.96	65.95	-	65.96	-	-
Africa Total	-	1,818.00	282.87	-	282.87	-
South Africa	-	1,818.00	282.87	-	282.87	-
U.S. Total*	232.99	137.86	147.05	232.99	147.05	58.4

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

- = No data reported.

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

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

Table 20. Coal imports by customs district

(short tons)

Customs district	January - March 2024	October - December 2023	January - March 2023	Year to date		Percent change
				2024	2023	
Eastern Total	44,252	14	46,914	44,252	46,914	-5.7
Buffalo, NY	195	14	11	195	11	NM
Ogdensburg, NY	22	-	-	22	-	-
Portland, ME	44,035	-	46,903	44,035	46,903	-6.1
Southern Total	109,397	738,386	822,351	109,397	822,351	-86.7
Houston-Galveston, TX	7,410	42,479	27,192	7,410	27,192	-72.7
Laredo, TX	354	172	2,119	354	2,119	-83.3
Miami, FL	1	70	207	1	207	-99.5
Mobile, AL	3,423	497,699	370,163	3,423	370,163	-99.1
New Orleans, LA	68,112	4,336	81,688	68,112	81,688	-16.6
San Juan, PR	30,097	193,630	301,755	30,097	301,755	-90.0
Tampa, FL	-	-	39,227	-	39,227	-
Western Total	115,381	118,613	104,469	115,381	104,469	10.4
Great Falls, MT	114,799	116,397	103,701	114,799	103,701	10.7
Los Angeles, CA	120	-	-	120	-	-
San Francisco, CA	-	-	3	-	3	-
Seattle, WA	462	2,216	765	462	765	-39.6
Northern Total	59,889	124,252	46,532	59,889	46,532	28.7
Chicago, IL	10,677	23,627	-	10,677	-	-
Cleveland, OH	1,898	1,614	72	1,898	72	NM
Detroit, MI	26,821	83,890	27,161	26,821	27,161	-1.3
Duluth, MN	2,899	1,675	2,327	2,899	2,327	24.6
Pembina, ND	17,594	13,446	16,970	17,594	16,970	3.7
St. Louis, MO	-	-	2	-	2	-
Total	328,919	981,265	1,020,266	328,919	1,020,266	-67.8

- = No data reported.

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

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

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

Table 21. U.S. coke imports

(short tons)

Continent and country of origin	January - March 2024	October - December 2023	January - March 2023	Year to date		Percent change
				2024	2023	
North America Total	334	14,597	196	334	196	70.4
Canada	334	14,597	196	334	196	70.4
South America Total	13,341	-	-	13,341	-	-
Colombia	13,341	-	-	13,341	-	-
Europe Total	-	45,512	14	-	14	-
Czech Republic	-	22,697	-	-	-	-
Poland	-	22,815	-	-	-	-
United Kingdom	-	-	14	-	14	-
Asia Total	73	1	281	73	281	-74.0
China	52	-	108	52	108	-51.9
Hong Kong	21	-	-	21	-	-
India	-	-	45	-	45	-
Indonesia	-	-	13	-	13	-
Japan	-	1	3	-	3	-
United Arab Emirates	-	-	112	-	112	-
Africa Total	5,693	5,069	5,284	5,693	5,284	7.7
Egypt	1	-	-	1	-	-
Mozambique	-	-	110	-	110	-
South Africa	5,692	5,069	5,174	5,692	5,174	10.0
U.S. Total	19,441	65,179	5,775	19,441	5,775	236.6

- = No data reported.

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

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

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

(dollars per short ton)

Continent and country of origin	January - March 2024	October - December 2023	January - March 2023	Year to date		Percent change
				2024	2023	
North America Total	359.62	381.01	293.75	359.62	293.75	22.4
Canada	359.62	381.01	293.75	359.62	293.75	22.4
South America Total	235.82	-	-	235.82	-	-
Colombia	235.82	-	-	235.82	-	-
Europe Total	-	456.78	1,992.86	-	1,992.86	-
Czech Republic	-	436.01	-	-	-	-
Poland	-	477.44	-	-	-	-
United Kingdom	-	-	1,992.86	-	1,992.86	-
Asia Total	1,206.99	7,395.00	1,244.95	1,206.99	1,244.95	-3.0
China	1,078.85	-	1,987.22	1,078.85	1,987.22	-45.7
Hong Kong	1,524.29	-	-	1,524.29	-	-
India	-	-	933.78	-	933.78	-
Indonesia	-	-	2,788.46	-	2,788.46	-
Japan	-	7,395.00	3,440.33	-	3,440.33	-
United Arab Emirates	-	-	416.26	-	416.26	-
Africa Total	614.79	634.87	581.13	614.79	581.13	5.8
Egypt	9,620.00	-	-	9,620.00	-	-
Mozambique	-	-	469.64	-	469.64	-
South Africa	613.21	634.87	583.50	613.21	583.50	5.1
U.S. Total	352.57	453.77	607.10	352.57	607.10	-41.9

- = No data reported.

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

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

Receipts and prices

Table 23. Coal receipts at coke plants by census division

(thousand short tons)

Census division	January - March 2024	October - December 2023	January - March 2023	Year to date		Percent change
				2024	2023	
Middle Atlantic	1,282	1,148	1,432	1,282	1,432	-10.5
East North Central	2,172	2,429	2,298	2,172	2,298	-5.5
South Atlantic	190	210	194	190	194	-1.9
East South Central	107	94	125	107	125	-14.4
U.S. Total	3,750	3,882	4,049	3,750	4,049	-7.4

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

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

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

(dollars per short ton)

Census division	January - March 2024	October - December 2023	January - March 2023	Year to date		Percent change
				2024	2023	
Middle Atlantic	w	w	w	w	w	w
East North Central	207.83	231.30	224.78	207.83	224.78	-7.5
South Atlantic	w	w	w	w	w	w
East South Central	w	w	w	w	w	w
U.S. Total	196.01	214.74	206.99	196.01	206.99	-5.3

w = Data withheld to avoid disclosure.

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

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

Table 25. Open market sales and average price of coke and breeze

(thousand short tons and dollars per short ton)

Commodity	January - March 2024	October - December 2023	January - March 2023	Year to date		Percent change
				2024	2023	
Coke						
Sales	2,910	3,110	1,487	2,910	1,487	95.7
Average Price	215.84	221.78	446.43	215.84	446.43	-51.7
Breeze						
Sales	163	215	98	163	98	66.7
Average Price	70.32	93.87	155.93	70.32	155.93	-54.9

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	January - March 2024	October - December 2023	January - March 2023	Year to date		Percent change
				2024	2023	
Middle Atlantic	133	133	194	133	194	-31.6
New York	54	32	86	54	86	-37.2
Pennsylvania	79	101	108	79	108	-27.1
East North Central	800	976	933	800	933	-14.2
Illinois	409	395	427	409	427	-4.1
Indiana	219	262	283	219	283	-22.6
Michigan	54	128	54	54	54	1.2
Ohio	92	80	100	92	100	-8.2
Wisconsin	26	112	69	26	69	-62.9
West North Central	2,465	2,268	2,875	2,465	2,875	-14.2
Iowa	509	519	557	509	557	-8.6
Kansas	23	27	31	23	31	-23.9
Minnesota	262	260	352	262	352	-25.5
Missouri	173	188	209	173	209	-17.4
Nebraska	141	161	251	141	251	-43.6
North Dakota	1,293	1,047	1,409	1,293	1,409	-8.3
South Dakota	64	66	66	64	66	-3.7
South Atlantic	335	279	432	335	432	-22.5
Florida	32	7	31	32	31	1.7
Georgia	37	48	63	37	63	-40.5
Maryland	81	82	62	81	62	30.3
North Carolina	28	30	85	28	85	-66.5
South Carolina	27	11	32	27	32	-14.7
Virginia	57	54	109	57	109	-48.3
West Virginia	72	47	49	72	49	45.8
East South Central	610	585	617	610	617	-1.2
Alabama	98	116	130	98	130	-24.6
Kentucky	150	158	186	150	186	-19.1
Mississippi	22	18	19	22	19	17.4
Tennessee	339	293	282	339	282	20.2
West South Central	201	218	275	201	275	-27.0
Arkansas	32	32	44	32	44	-28.5
Louisiana	69	70	78	69	78	-12.2
Oklahoma	41	28	82	41	82	-49.9
Texas	59	89	70	59	70	-15.7
Mountain	523	643	568	523	568	-7.8
Arizona	57	83	63	57	63	-9.6
Colorado	26	41	47	26	47	-45.2
Idaho	6	7	5	6	5	21.7
Montana	35	83	53	35	53	-34.5
Nevada	53	56	39	53	39	37.3
New Mexico	9	18	14	9	14	-31.7
Utah	55	76	60	55	60	-7.5
Wyoming	282	279	288	282	288	-2.0
Pacific	364	395	335	364	335	8.6
Alaska	s	s	s	s	s	s
California	340	343	312	340	312	8.9
Oregon	s	35	s	s	s	-78.1
Washington	23	17	22	23	22	5.2
U.S. Total	5,430	5,498	6,228	5,430	6,228	-12.8

- = No data reported.

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

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

Source: U.S. Energy Information Administration (EIA), Form EIA-3, 'Quarterly Survey of Industrial, Commercial & Institutional Coal Users' 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	January - March 2024	October - December 2023	January - March 2023	Year to date		Percent change
				2024	2023	
Middle Atlantic	137.35	127.17	123.86	137.35	123.86	10.9
New York	w	w	w	w	w	w
Pennsylvania	w	w	w	w	w	w
East North Central	96.85	109.14	106.74	96.85	106.74	-9.3
Illinois	w	w	w	w	w	w
Indiana	w	w	w	w	w	w
Michigan	140.34	122.41	126.41	140.34	126.41	11.0
Ohio	167.14	155.09	152.47	167.14	152.47	9.6
Wisconsin	123.13	103.49	111.67	123.13	111.67	10.3
West North Central	31.41	35.04	36.49	31.41	36.49	-13.9
Iowa	w	w	34.67	w	w	w
Kansas	w	w	w	w	w	w
Minnesota	54.61	54.19	57.34	54.61	57.34	-4.8
Missouri	70.55	76.36	83.81	70.55	83.81	-15.8
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	149.03	173.15	175.04	149.03	175.04	-14.9
Florida	w	w	w	w	w	w
Georgia	99.85	w	w	w	w	w
Maryland	w	w	w	w	w	w
North Carolina	159.24	190.64	187.89	159.24	187.89	-15.2
South Carolina	145.70	203.23	207.62	145.70	207.62	-29.8
Virginia	169.22	158.65	163.10	169.22	163.10	3.8
West Virginia	w	w	w	w	w	w
East South Central	147.69	140.55	157.42	147.69	157.42	-6.2
Alabama	w	w	w	w	w	w
Kentucky	145.74	150.55	144.87	145.74	144.87	0.6
Mississippi	w	w	w	w	w	w
Tennessee	139.98	113.87	150.88	139.98	150.88	-7.2
West South Central	107.45	115.44	104.37	107.45	104.37	3.0
Arkansas	w	w	w	w	w	w
Louisiana	w	w	w	w	w	w
Oklahoma	145.63	w	131.70	w	w	w
Texas	132.16	136.28	110.22	132.16	110.22	19.9
Mountain	72.29	79.83	75.36	72.29	75.36	-4.1
Arizona	w	w	w	w	w	w
Colorado	w	w	w	w	w	w
Idaho	w	w	w	w	w	w
Montana	w	53.69	64.04	w	w	w
Nevada	w	w	110.34	w	w	w
New Mexico	w	w	w	w	w	w
Utah	53.10	105.16	73.43	53.10	73.43	-27.7
Wyoming	59.67	57.48	62.41	59.67	62.41	-4.4
Pacific	116.88	111.69	112.90	116.88	112.90	3.5
California	118.05	113.15	113.94	118.05	113.94	3.6
Oregon	w	w	w	w	w	w
Washington	w	w	w	w	w	w
U.S. Total	76.42	82.61	81.96	76.42	81.96	-6.8

- = No data reported.

w = Data withheld to avoid disclosure.

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

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

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

NAICS code	January - March 2024	October - December 2023	January - March 2023	Year to date		Percent change
				2024	2023	
311 Food Manufacturing	1,452	1,567	1,814	1,452	1,814	-20.0
312 Beverage and Tobacco Product Mfg.	2	2	3	2	3	-39.6
313 Textile Mills	1	1	3	1	3	-53.4
322 Paper Manufacturing	167	199	366	167	366	-54.3
324 Petroleum and Coal Products	1,172	878	1,156	1,172	1,156	1.3
325 Chemical Manufacturing	759	693	729	759	729	4.1
327 Nonmetallic Mineral Products Mfg.	1,406	1,666	1,675	1,406	1,675	-16.1
331 Primary Metal Manufacturing	227	278	264	227	264	-14.1
333 Machinery Manufacturing	17	7	25	17	25	-34.0
339 Miscellaneous Manufacturing	228	206	192	228	192	18.5
U.S. Total	5,430	5,498	6,228	5,430	6,228	-12.8

* Includes coal gasification projects.

** Excludes coke plants.

- = No data reported.

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

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

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

NAICS code	January - March 2024	October - December 2023	January - March 2023	Year to date		Percent change
				2024	2023	
311 Food Manufacturing	39.31	41.25	41.62	39.31	41.62	-5.6
312 Beverage and Tobacco Product Mfg.	w	w	w	w	w	w
313 Textile Mills	207.38	w	236.33	w	w	w
322 Paper Manufacturing	127.39	153.87	161.56	127.39	161.56	-21.2
324 Petroleum and Coal Products	w	w	w	w	w	w
325 Chemical Manufacturing	118.14	105.29	117.77	118.14	117.77	0.3
327 Nonmetallic Mineral Products Mfg.	108.99	108.55	108.50	108.99	108.50	0.5
331 Primary Metal Manufacturing	235.71	253.24	256.00	235.71	256.00	-7.9
333 Machinery Manufacturing	w	w	w	w	w	w
339 Miscellaneous Manufacturing	71.76	75.13	72.74	71.76	72.74	-1.3
U.S. Total	76.42	82.61	81.96	76.42	81.96	-6.8

* 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	January - March 2024	October - December 2023	January - March 2023	Year to date		Percent change
				2024	2023	
Middle Atlantic	2	s	1	2	1	27.1
Pennsylvania	2	s	1	2	1	27.1
East North Central	30	19	41	30	41	-26.4
Illinois	20	13	31	20	31	-34.6
Indiana	10	5	10	10	10	-0.5
West North Central	19	4	21	19	21	-8.0
Iowa	8	1	10	8	10	-13.3
Minnesota	1	-	1	1	1	-47.4
Missouri	6	1	2	6	2	201.2
North Dakota	4	2	8	4	8	-44.6
South Atlantic	15	21	16	15	16	-6.1
North Carolina	11	18	9	11	9	24.2
Virginia	4	3	7	4	7	-41.7
Mountain	2	1	s	2	s	NM
Colorado	s	s	-	s	-	-
Wyoming	2	s	s	2	s	NM
Pacific	155	124	148	155	148	4.9
Alaska	155	124	148	155	148	4.9
U.S. Total	223	169	227	223	227	-1.6

- = No data reported.

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

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

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

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

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

(dollars per short ton)

Census division and state	January - March 2024	October - December 2023	January - March 2023	Year to date		Percent change
				2024	2023	
Middle Atlantic	w	w	w	w	w	w
Pennsylvania	w	w	w	w	w	w
East North Central	65.62	67.68	68.55	65.62	68.55	-4.3
Illinois	w	w	w	w	w	w
Indiana	w	w	w	w	w	w
West North Central	150.11	w	120.20	w	w	w
Iowa	w	w	w	w	w	w
Minnesota	w	-	w	w	w	w
Missouri	w	w	w	w	w	w
North Dakota	w	w	w	w	w	w
South Atlantic	190.34	w	235.53	w	w	w
North Carolina	w	w	w	w	w	w
Virginia	w	w	w	w	w	w
Mountain	w	w	w	w	w	w
Colorado	w	w	-	w	-	-
Wyoming	w	w	w	w	w	w
Pacific	w	w	w	w	w	w
Alaska	w	w	w	w	w	w
U.S. Total	103.09	100.15	100.01	103.09	100.01	3.1

- = No data reported.

w = Data withheld to avoid disclosure.

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

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

Consumption

Table 32. U.S. coal consumption by end-use sector, 2018 - 2024

(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	
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	103,057	4,372	2,461	4,316	6,777	145	75	220	114,426
Total	501,435	17,589	9,700	16,145	25,845	534	277	811	545,679
2022									
January - March	123,367	4,153	2,488	4,194	6,682	148	95	244	134,445
April - June	108,092	3,949	2,370	4,183	6,553	94	49	142	118,737
July - September	135,434	3,932	2,340	3,980	6,320	137	40	177	145,864
October - December	105,941	3,975	2,364	3,972	6,336	155	81	236	116,488
Total	472,834	16,009	9,563	16,328	25,891	535	265	800	515,534
2023									
January - March	91,175	4,025	2,284	3,980	6,265	123	109	231	101,696
April - June	81,970	3,852	2,124	3,371	5,495	92	43	136	91,453
July - September	122,737	3,998	2,055	3,086	5,141	86	37	122	131,997
October - December	91,289	3,974	2,145	3,186	5,332	108	70	178	100,773
Total	387,170	15,849	8,608	13,624	22,233	409	259	668	425,919
2024									
January - March	90,673	3,867	2,356	3,070	5,426	133	95	229	100,195
Total	90,673	3,867	2,356	3,070	5,426	133	95	229	100,195
2023 January - March	91,175	4,025	2,284	3,980	6,265	123	109	231	101,696
2022 January - March	123,367	4,153	2,488	4,194	6,682	148	95	244	134,445

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

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

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

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

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

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

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

Table 33. Coal carbonized at coke plants by census division

(thousand short tons)

Census division	January - March 2024	October - December 2023	January - March 2023	Year to date		Percent change
				2024	2023	
Middle Atlantic	1,227	1,226	1,390	1,227	1,390	-11.7
East North Central	2,327	2,420	2,306	2,327	2,306	0.9
South Atlantic	206	211	200	206	200	3.3
East South Central	107	116	130	107	130	-17.2
U.S. Total	3,867	3,974	4,025	3,867	4,025	-3.9

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	January - March 2024	October - December 2023	January - March 2023	Year to date		Percent change
				2024	2023	
Middle Atlantic	153	112	214	153	214	-28.4
New York	68	31	105	68	105	-35.5
Pennsylvania	86	82	110	86	110	-21.7
East North Central	894	884	1,034	894	1,034	-13.6
Illinois	424	381	455	424	455	-6.8
Indiana	264	278	319	264	319	-17.1
Michigan	68	69	75	68	75	-9.4
Ohio	92	78	95	92	95	-3.3
Wisconsin	45	78	90	45	90	-49.6
West North Central	2,384	2,260	2,827	2,384	2,827	-15.7
Iowa	500	530	532	500	532	-6.0
Kansas	13	31	28	13	28	-53.3
Minnesota	268	261	332	268	332	-19.4
Missouri	175	193	180	175	180	-3.0
Nebraska	125	148	247	125	247	-49.4
North Dakota	1,265	1,027	1,440	1,265	1,440	-12.2
South Dakota	39	70	68	39	68	-42.1
South Atlantic	326	314	409	326	409	-20.4
Florida	15	23	27	15	27	-44.2
Georgia	52	42	53	52	53	-3.3
Maryland	73	95	66	73	66	9.3
North Carolina	30	25	83	30	83	-64.1
South Carolina	13	16	25	13	25	-49.3
Virginia	72	57	101	72	101	-28.4
West Virginia	72	56	54	72	54	34.3
East South Central	594	597	613	594	613	-3.1
Alabama	90	112	119	90	119	-24.9
Kentucky	153	165	179	153	179	-14.9
Mississippi	26	22	20	26	20	29.2
Tennessee	326	298	294	326	294	10.7
West South Central	186	177	201	186	201	-7.4
Arkansas	31	28	37	31	37	-16.7
Louisiana	69	70	76	69	76	-8.6
Oklahoma	35	34	38	35	38	-6.9
Texas	51	46	51	51	51	0.7
Mountain	520	620	605	520	605	-14.1
Arizona	41	58	61	41	61	-32.9
Colorado	22	28	30	22	30	-26.0
Idaho	14	15	21	14	21	-36.3
Montana	37	82	52	37	52	-29.8
Nevada	43	50	46	43	46	-7.5
New Mexico	11	16	13	11	13	-16.9
Utah	66	76	64	66	64	2.9
Wyoming	288	294	318	288	318	-9.5
Pacific	368	367	360	368	360	2.3
Alaska	s	s	s	s	s	s
California	344	327	328	344	328	4.7
Oregon	4	18	10	4	10	-54.3
Washington	20	21	22	20	22	-8.4
U.S. Total	5,426	5,332	6,265	5,426	6,265	-13.4

- = No data reported.

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

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

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

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

NAICS code	January - March 2024	October - December 2023	January - March 2023	Year to date		Percent change
				2024	2023	
311 Food Manufacturing	1,506	1,546	1,875	1,506	1,875	-19.7
312 Beverage and Tobacco Product Mfg.	2	2	3	2	3	-35.2
313 Textile Mills	1	3	2	1	2	-57.0
322 Paper Manufacturing	193	192	328	193	328	-41.2
324 Petroleum and Coal Products	1,101	850	1,140	1,101	1,140	-3.4
325 Chemical Manufacturing	754	681	758	754	758	-0.4
327 Nonmetallic Mineral Products Mfg.	1,363	1,523	1,621	1,363	1,621	-15.9
331 Primary Metal Manufacturing	267	287	302	267	302	-11.5
333 Machinery Manufacturing	10	20	10	10	10	3.1
339 Miscellaneous Manufacturing	229	229	226	229	226	1.2
U.S. Total	5,426	5,332	6,265	5,426	6,265	-13.4

* Includes coal gasification projects.

** Excludes coke plants.

- = No data reported.

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

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

Table 36. Coal consumption at commercial and institutional users by census division and state

(thousand short tons)

Census division and state	January - March 2024	October - December 2023	January - March 2023	Year to date		Percent change
				2024	2023	
Middle Atlantic	2	1	1	2	1	42.8
Pennsylvania	2	1	1	2	1	42.8
East North Central	32	16	40	32	40	-19.0
Illinois	20	11	29	20	29	-29.6
Indiana	12	5	11	12	11	9.1
West North Central	21	2	27	21	27	-22.0
Iowa	9	1	14	9	14	-40.0
Minnesota	1	s	2	1	2	-25.7
Missouri	7	-	3	7	3	164.4
North Dakota	4	s	8	4	8	-47.1
South Atlantic	16	12	15	16	15	5.4
North Carolina	12	11	9	12	9	34.1
Virginia	4	1	6	4	6	-36.9
Mountain	3	1	1	3	1	409.4
Colorado	-	s	-	-	-	-
Montana	1	s	s	1	s	178.2
Wyoming	2	s	s	2	s	NM
Pacific	155	148	148	155	148	4.5
Alaska	155	148	148	155	148	4.5
U.S. Total	229	178	231	229	231	-1.3

- = No data reported.

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

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, 2018 - 2024

(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			
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	109,614	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	86,143	1,590	2,404	157	90,294	19,674	109,968
June 30	86,869	1,620	2,374	158	91,021	20,597	111,618
September 30	79,354	1,646	2,529	187	83,717	20,445	104,162
December 31	88,861	1,627	2,499	167	93,153	20,820	113,973
2023							
March 31	109,004	1,650	2,451	162	113,267	22,390*	135,657
June 30	127,710	1,684	2,765	160	132,319	22,092*	154,411
September 30	116,635	1,655	2,750	168	121,207	18,506*	139,713
December 31	131,426	1,551	2,868	149	135,995	18,427*	154,422
2024							
March 31	133,607	1,447	2,789	131	137,975	19,989*	157,964

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

2 Manufacturing plants only.

* Estimated.

- = No data reported.

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

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

Table 38. Coal stocks at coke plants by census division

(thousand short tons)

Census division	March 31, 2024	December 31, 2023	March 31, 2023	Percent change (March 31) 2024 versus 2023
Middle Atlantic	502	442	538	-6.6
East North Central	737	895	914	-19.3
South Atlantic	60	65	79	-23.4
East South Central	147	150	119	23.4
U.S. Total	1,447	1,551	1,650	-12.3

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

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

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

(thousand short tons)

Census division and state	March 31, 2024	December 31, 2023	March 31, 2023	Percent change (March 31) 2024 versus 2023
Middle Atlantic	185	220	186	-0.1
New York	28	42	37	-23.6
Pennsylvania	157	178	148	5.8
East North Central	412	516	369	11.7
Illinois	46	61	20	138.0
Indiana	127	177	188	-32.8
Michigan	165	180	87	89.4
Ohio	21	21	26	-16.8
Wisconsin	52	76	48	9.3
West North Central	597	547	567	5.3
Iowa	117	137	167	-29.8
Kansas	25	15	14	81.5
Minnesota	39	44	45	-13.0
Missouri	111	114	103	7.6
Nebraska	24	8	33	-26.4
North Dakota	218	190	171	27.4
South Dakota	63	39	35	82.1
South Atlantic	324	324	349	-6.9
Florida	51	34	58	-11.9
Georgia	35	59	53	-33.6
Maryland	25	16	29	-12.9
North Carolina	88	89	88	-0.4
South Carolina	61	46	45	35.7
Virginia	47	62	57	-17.9
West Virginia	19	18	20	-7.2
East South Central	262	256	233	12.4
Alabama	83	82	73	13.5
Kentucky	58	63	66	-12.3
Mississippi	3	6	5	-33.4
Tennessee	118	105	89	31.9
West South Central	459	445	303	51.6
Arkansas	27	26	33	-18.4
Louisiana	3	3	4	-34.6
Oklahoma	249	243	154	61.7
Texas	180	172	111	61.6
Mountain	405	418	340	19.1
Arizona	63	54	17	265.2
Colorado	29	28	31	-6.9
Idaho	97	104	135	-28.2
Montana	52	59	19	168.3
Nevada	43	32	38	12.9
New Mexico	3	4	3	-2.3
Utah	39	50	48	-18.0
Wyoming	80	86	49	61.3
Pacific	143	142	104	37.5
California	112	110	94	20.0
Oregon	25	29	7	269.3
Washington	6	3	4	59.3
U.S. Total	2,789	2,869	2,451	13.8

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

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

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

(thousand short tons)

NAICS code	March 31, 2024	December 31, 2023	March 31, 2023	Percent change (March 31) 2024 versus 2023
311 Food Manufacturing	418	488	430	-2.7
312 Beverage and Tobacco Product Mfg.	1	1	1	-6.2
313 Textile Mills	5	5	8	-36.3
322 Paper Manufacturing	293	338	236	24.3
324 Petroleum and Coal Products	218	147	196	11.5
325 Chemical Manufacturing	180	177	129	39.7
327 Nonmetallic Mineral Products Mfg.	1,473	1,479	1,236	19.2
331 Primary Metal Manufacturing	82	122	117	-29.7
333 Machinery Manufacturing	23	17	25	-6.0
339 Miscellaneous Manufacturing	95	96	74	27.8
U.S. Total	2,789	2,869	2,451	13.8

* Includes coal gasification projects.

** Excludes coke plants.

- = No data reported.

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

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

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

(thousand short tons)

Census division	March 31, 2024	December 31, 2023	March 31, 2023	Percent change (March 31) 2024 versus 2023
Middle Atlantic	13	16	140	-90.9
East North Central	217	147	246	-11.6
South Atlantic	25	34	28	-8.3
East South Central	32	24	26	22.3
U.S. Total	287	222	439	-34.7
Coke Total	187	149	374	-50.0
Breeze Total	100	73	65	53.0

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

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

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

(thousand short tons)

Census division and state	March 31, 2024	December 31, 2023	March 31, 2023	Percent change (March 31) 2024 versus 2023
Middle Atlantic	5	20	20	-75.2
Pennsylvania	5	20	20	-75.2
East North Central	19	22	26	-27.7
Illinois	19	19	25	-23.1
Indiana	s	2	2	-91.2
West North Central	25	27	17	43.5
Iowa	11	11	7	50.8
Minnesota	5	5	6	-16.1
Missouri	-	1	-	-
North Dakota	9	9	4	109.4
South Atlantic	45	46	41	9.2
District of Columbia	3	3	3	s
North Carolina	30	31	29	0.8
Virginia	13	12	9	39.4
East South Central	4	4	4	s
Kentucky	4	4	4	s
Mountain	3	3	2	28.0
Colorado	s	s	s	4.0
Montana	2	3	2	36.9
Wyoming	s	s	s	s
Pacific	31	28	51	-39.4
Alaska	31	28	51	-39.4
U.S. Total	131	149	162	-18.8

- = No data reported.

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

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

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

Quality

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

Census division and state ¹	January - March 2024	October - December 2023	January - March 2023	Year to date		Percent change
				2024	2023	
Middle Atlantic						
Btu	14,219	14,191	14,195	14,219	14,195	0.2
Sulfur	1.11	1.09	1.14	1.11	1.14	-2.0
Ash	7.24	7.08	7.32	7.24	7.32	-1.1
New York						
Btu	12,699	12,626	12,716	12,699	12,716	-0.1
Sulfur	2.20	2.21	2.26	2.20	2.26	-2.5
Ash	9.33	10.05	9.30	9.33	9.30	0.3
Pennsylvania						
Btu	14,280	14,232	14,277	14,280	14,277	0.3
Sulfur	1.07	1.06	1.07	1.07	1.07	-0.3
Ash	7.16	7.00	7.21	7.16	7.21	-0.8
East North Central						
Btu	13,632	13,603	13,568	13,632	13,568	0.5
Sulfur	1.14	1.09	1.10	1.14	1.10	3.5
Ash	7.05	7.23	7.10	7.05	7.10	-0.7
Illinois						
Btu	11,666	11,480	11,710	11,666	11,710	-0.4
Sulfur	1.68	1.87	1.79	1.68	1.79	-6.3
Ash	7.02	7.13	7.03	7.02	7.03	-0.2
Indiana						
Btu	14,249	14,249	14,199	14,249	14,199	0.4
Sulfur	0.98	0.95	0.91	0.98	0.91	7.3
Ash	7.02	7.13	6.82	7.02	6.82	3.0
Michigan						
Btu	13,938	13,877	13,835	13,938	13,835	0.7
Sulfur	0.87	0.81	0.71	0.87	0.71	21.8
Ash	7.66	7.72	7.30	7.66	7.30	5.0
Ohio						
Btu	14,256	14,257	14,218	14,256	14,218	0.3
Sulfur	1.02	1.04	1.02	1.02	1.02	0.5
Ash	6.97	7.22	7.44	6.97	7.44	-6.3
Wisconsin						
Btu	11,211	11,089	10,350	11,211	10,350	8.3
Sulfur	0.49	0.55	0.55	0.49	0.55	-10.6
Ash	6.86	6.35	7.65	6.86	7.65	-10.3
West North Central						
Btu	8,248	8,458	8,390	8,248	8,390	-1.7
Sulfur	0.76	0.79	0.66	0.76	0.66	15.9
Ash	6.22	6.07	5.74	6.22	5.74	8.5
Iowa						
Btu	8,910	9,002	8,868	8,910	8,868	0.5
Sulfur	0.49	0.64	0.40	0.49	0.40	20.4
Ash	5.19	5.39	5.14	5.19	5.14	0.8
Kansas						
Btu	11,046	10,871	10,884	11,046	10,884	1.5
Sulfur	2.05	1.56	2.32	2.05	2.32	-11.6
Ash	10.72	10.25	11.69	10.72	11.69	-8.3
Minnesota						
Btu	9,305	9,302	9,293	9,305	9,293	0.1
Sulfur	0.30	0.30	0.34	0.30	0.34	-12.1
Ash	3.98	4.13	4.24	3.98	4.24	-6.3
Missouri						
Btu	11,157	11,057	11,149	11,157	11,149	0.1
Sulfur	2.00	2.28	1.58	2.00	1.58	26.0
Ash	8.94	8.58	8.91	8.94	8.91	0.4
Nebraska						

Census division and state¹	January - March 2024	October - December 2023	January - March 2023	Year to date		Percent change
				2024	2023	
Btu	8,800	8,807	8,812	8,800	8,812	-0.1
Sulfur	0.30	0.30	0.30	0.30	0.30	0.4
Ash	5.00	5.01	5.01	5.00	5.01	-0.3
North Dakota						
Btu	7,288	7,433	7,455	7,288	7,455	-2.2
Sulfur	0.85	0.80	0.75	0.85	0.75	14.0
Ash	6.81	6.53	5.89	6.81	5.89	15.6
South Dakota						
Btu	7,972	8,001	8,014	7,972	8,014	-0.5
Sulfur	0.38	0.36	0.35	0.38	0.35	9.9
Ash	5.59	5.30	5.31	5.59	5.31	5.2
South Atlantic						
Btu	13,076	13,449	13,280	13,076	13,280	-1.5
Sulfur	1.12	1.10	1.16	1.12	1.16	-3.1
Ash	9.62	9.43	9.88	9.62	9.88	-2.6
Florida						
Btu	12,809	12,739	11,709	12,809	11,709	9.4
Sulfur	2.40	3.70	2.02	2.40	2.02	19.3
Ash	8.83	11.12	9.23	8.83	9.23	-4.4
Georgia						
Btu	12,248	12,483	12,329	12,248	12,329	-0.7
Sulfur	0.82	1.11	1.17	0.82	1.17	-30.1
Ash	10.07	9.66	11.76	10.07	11.76	-14.4
Maryland						
Btu	11,908	11,597	11,187	11,908	11,187	6.4
Sulfur	1.55	1.78	1.75	1.55	1.75	-11.7
Ash	18.01	19.00	25.04	18.01	25.04	-28.1
North Carolina						
Btu	12,905	12,855	13,539	12,905	13,539	-4.7
Sulfur	1.00	1.01	0.90	1.00	0.90	11.3
Ash	8.54	8.72	7.93	8.54	7.93	7.6
South Carolina						
Btu	12,814	12,872	13,137	12,814	13,137	-2.5
Sulfur	1.53	0.77	1.20	1.53	1.20	27.2
Ash	11.17	9.66	8.32	11.17	8.32	34.3
Virginia						
Btu	13,651	14,293	13,991	13,651	13,991	-2.4
Sulfur	0.87	0.85	1.01	0.87	1.01	-13.8
Ash	7.11	6.95	7.49	7.11	7.49	-5.0
West Virginia						
Btu	13,058	13,558	13,412	13,058	13,412	-2.6
Sulfur	1.03	1.03	1.17	1.03	1.17	-12.1
Ash	9.05	6.46	7.76	9.05	7.76	16.6
East South Central						
Btu	13,147	13,263	13,296	13,147	13,296	-1.1
Sulfur	1.20	1.33	1.21	1.20	1.21	-1.0
Ash	7.44	7.39	7.42	7.44	7.42	0.3
Alabama						
Btu	13,812	13,932	13,801	13,812	13,801	0.1
Sulfur	1.09	1.01	1.12	1.09	1.12	-2.2
Ash	7.05	6.79	7.16	7.05	7.16	-1.6
Kentucky						
Btu	12,740	12,785	12,849	12,740	12,849	-0.8
Sulfur	1.49	1.76	1.06	1.49	1.06	40.0
Ash	8.33	8.18	7.43	8.33	7.43	12.1
Mississippi						
Btu	14,741	14,863	14,720	14,741	14,720	0.1
Sulfur	0.76	0.77	0.80	0.76	0.80	-5.7
Ash	3.93	2.86	3.47	3.93	3.47	13.2
Tennessee						
Btu	12,821	12,946	13,038	12,821	13,038	-1.7

Census division and state¹	January - March 2024	October - December 2023	January - March 2023	Year to date		Percent change
				2024	2023	
Sulfur	1.16	1.35	1.42	1.16	1.42	-18.1
Ash	7.51	7.67	7.90	7.51	7.90	-5.0
West South Central						
Btu	9,935	10,223	10,105	9,935	10,105	-1.7
Sulfur	0.77	0.96	0.67	0.77	0.67	15.7
Ash	7.70	7.91	8.18	7.70	8.18	-5.8
Arkansas						
Btu	11,441	11,151	11,783	11,441	11,783	-2.9
Sulfur	1.54	1.63	1.29	1.54	1.29	19.2
Ash	12.29	10.49	9.54	12.29	9.54	28.8
Louisiana						
Btu	7,489	7,489	7,489	7,489	7,489	s
Sulfur	0.50	0.51	0.50	0.50	0.50	s
Ash	5.98	5.92	6.65	5.98	6.65	-10.1
Oklahoma						
Btu	11,192	12,328	10,530	11,192	10,530	6.3
Sulfur	0.92	1.47	0.55	0.92	0.55	67.6
Ash	6.47	8.89	7.34	6.47	7.34	-11.9
Texas						
Btu	11,089	11,370	11,456	11,089	11,456	-3.2
Sulfur	0.58	0.91	0.60	0.58	0.60	-3.7
Ash	8.09	8.25	9.99	8.09	9.99	-19.0
Mountain						
Btu	11,366	10,722	10,570	11,366	10,570	7.5
Sulfur	0.56	0.57	0.52	0.56	0.52	7.6
Ash	6.21	6.92	6.62	6.21	6.62	-6.2
Arizona						
Btu	11,318	11,479	11,129	11,318	11,129	1.7
Sulfur	0.50	0.61	0.60	0.50	0.60	-16.5
Ash	8.41	10.16	9.52	8.41	9.52	-11.7
Colorado						
Btu	11,692	11,654	11,716	11,692	11,716	-0.2
Sulfur	0.54	0.55	0.52	0.54	0.52	3.0
Ash	9.40	9.90	9.82	9.40	9.82	-4.2
Idaho						
Btu	11,199	11,873	11,280	11,199	11,280	-0.7
Sulfur	0.96	0.87	0.46	0.96	0.46	107.9
Ash	10.78	10.10	10.56	10.78	10.56	2.1
Montana						
Btu	9,497	9,258	9,546	9,497	9,546	-0.5
Sulfur	0.35	0.31	0.35	0.35	0.35	-1.4
Ash	4.97	5.26	5.17	4.97	5.17	-3.8
Nevada						
Btu	11,504	11,783	11,457	11,504	11,457	0.4
Sulfur	0.50	0.48	0.47	0.50	0.47	7.4
Ash	10.40	10.23	9.42	10.40	9.42	10.4
New Mexico						
Btu	11,361	11,306	11,973	11,361	11,973	-5.1
Sulfur	0.74	0.75	0.74	0.74	0.74	s
Ash	11.07	12.01	12.48	11.07	12.48	-11.3
Utah						
Btu	11,300	11,530	11,376	11,300	11,376	-0.7
Sulfur	0.57	0.48	0.46	0.57	0.46	26.2
Ash	8.80	8.89	9.78	8.80	9.78	-10.0
Wyoming						
Btu	11,565	10,168	10,083	11,565	10,083	14.7
Sulfur	0.60	0.63	0.55	0.60	0.55	8.7
Ash	4.06	4.26	4.35	4.06	4.35	-6.6
Pacific						
Btu	11,125	11,279	11,169	11,125	11,169	-0.4
Sulfur	0.60	0.56	0.44	0.60	0.44	37.3

Census division and state ¹	January - March 2024	October - December 2023	January - March 2023	Year to date		Percent change
				2024	2023	
Ash	8.03	8.98	8.10	8.03	8.10	-0.9
California						
Btu	11,241	11,322	11,298	11,241	11,298	-0.5
Sulfur	0.62	0.57	0.45	0.62	0.45	38.1
Ash	8.26	9.25	8.34	8.26	8.34	-1.0
Oregon						
Btu	12,323	11,759	12,237	12,323	12,237	0.7
Sulfur	0.51	0.60	0.35	0.51	0.35	45.7
Ash	9.92	8.34	8.09	9.92	8.09	22.6
Washington						
Btu	9,406	9,363	9,317	9,406	9,317	1.0
Sulfur	0.36	0.38	0.30	0.36	0.30	18.7
Ash	4.67	4.68	4.67	4.67	4.67	s
U.S. Total						
Btu	11,899	12,042	11,845	11,899	11,845	0.5
Sulfur	0.98	0.98	0.93	0.98	0.93	5.0
Ash	7.04	7.13	6.98	7.04	6.98	0.9

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

- = No data reported.

s = Absolute percentage less than 0.05.

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

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

Census division and state ¹	January - March 2024	October - December 2023	January - March 2023	Year to date		Percent change
				2024	2023	
Middle Atlantic						
Btu	12,182	13,831	12,171	12,182	12,171	0.1
Sulfur	0.82	1.26	0.60	0.82	0.60	36.5
Ash	8.93	5.68	8.63	8.93	8.63	3.5
Pennsylvania						
Btu	12,182	13,831	12,171	12,182	12,171	0.1
Sulfur	0.82	1.26	0.60	0.82	0.60	36.5
Ash	8.93	5.68	8.63	8.93	8.63	3.5
East North Central						
Btu	11,155	11,158	11,169	11,155	11,169	-0.1
Sulfur	2.63	2.96	2.91	2.63	2.91	-9.7
Ash	9.71	9.75	9.83	9.71	9.83	-1.2
Illinois						
Btu	11,161	11,192	11,142	11,161	11,142	0.2
Sulfur	3.14	3.11	3.05	3.14	3.05	3.0
Ash	9.98	9.71	9.84	9.98	9.84	1.5
Indiana						
Btu	11,140	11,075	11,255	11,140	11,255	-1.0
Sulfur	1.57	2.61	2.49	1.57	2.49	-36.8
Ash	9.14	9.84	9.81	9.14	9.81	-6.8
West North Central						
Btu	10,297	9,608	10,336	10,297	10,336	-0.4
Sulfur	2.07	1.02	1.49	2.07	1.49	38.8
Ash	7.68	7.83	6.60	7.68	6.60	16.4
Iowa						
Btu	10,422	9,454	11,196	10,422	11,196	-6.9
Sulfur	2.45	0.87	2.31	2.45	2.31	6.3
Ash	6.45	7.15	7.89	6.45	7.89	-18.2
Minnesota						
Btu	9,439	-	9,503	9,439	9,503	-0.7
Sulfur	0.34	-	0.32	0.34	0.32	6.3
Ash	4.08	-	4.19	4.08	4.19	-2.6
Missouri						
Btu	11,301	11,325	11,320	11,301	11,320	-0.2
Sulfur	3.06	2.46	3.09	3.06	3.09	-1.0
Ash	9.22	11.21	8.60	9.22	8.60	7.2
North Dakota						
Btu	8,879	8,820	9,178	8,879	9,178	-3.3
Sulfur	0.34	0.37	0.31	0.34	0.31	9.7
Ash	8.71	6.43	4.95	8.71	4.95	76.0
South Atlantic						
Btu	13,068	13,099	12,737	13,068	12,737	2.6
Sulfur	1.60	1.50	1.12	1.60	1.12	42.4
Ash	7.56	7.49	7.54	7.56	7.54	0.4
North Carolina						
Btu	12,830	13,059	12,952	12,830	12,952	-0.9
Sulfur	1.86	1.61	1.35	1.86	1.35	38.0
Ash	8.71	7.79	9.40	8.71	9.40	-7.4
Virginia						
Btu	13,667	13,325	12,484	13,667	12,484	9.5
Sulfur	0.93	0.84	0.86	0.93	0.86	8.8
Ash	4.69	5.71	5.36	4.69	5.36	-12.5
Mountain						
Btu	11,608	11,880	11,465	11,608	11,465	1.2
Sulfur	0.51	0.48	0.45	0.51	0.45	13.2
Ash	10.25	10.49	11.70	10.25	11.70	-12.4
Colorado						

Census division and state ¹	January - March 2024	October - December 2023	January - March 2023	Year to date		Percent change
				2024	2023	
Btu	12,562	12,531	-	12,562	-	-
Sulfur	0.50	0.53	-	0.50	-	-
Ash	10.97	10.06	-	10.97	-	-
Montana						
Wyoming						
Btu	11,562	11,609	11,465	11,562	11,465	0.8
Sulfur	0.51	0.46	0.45	0.51	0.45	13.3
Ash	10.22	10.67	11.70	10.22	11.70	-12.6
Pacific						
Btu	7,569	7,582	7,603	7,569	7,603	-0.4
Sulfur	0.33	0.15	0.12	0.33	0.12	175.1
Ash	5.41	6.30	5.33	5.41	5.33	1.4
Alaska						
Btu	7,569	7,582	7,603	7,569	7,603	-0.4
Sulfur	0.33	0.15	0.12	0.33	0.12	175.1
Ash	5.41	6.30	5.33	5.41	5.33	1.4
U.S. Total						
Btu	8,730	8,745	8,883	8,730	8,883	-1.7
Sulfur	0.88	0.65	0.82	0.88	0.82	7.2
Ash	6.40	6.88	6.44	6.40	6.44	-0.6

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.'