Quarterly Coal Report
July–September 2023

January 2024

Independent Statistics and Analysis
U.S. Energy Information Administration

www.eia.gov
U.S. Department of Energy
Washington, DC 20585

The U.S. Energy Information Administration (EIA), the statistical and analytical agency within the U.S. Department of Energy (DOE), prepared this report. By law, our data, analyses, and forecasts are independent of approval by any other officer or employee of the U.S. Government. The views in this report do not represent those of DOE or any other federal agencies.

Contacts

If you need more information about the data in this report, email the coal data team.

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

Preface

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

The *Quarterly Coal Report* (QCR) provides information about U.S. coal production, exports, imports, receipts, prices, consumption, quality, 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 third-quarter 2023 QCR includes detailed quarterly coal data from July 2023 to September 2023 and aggregated quarterly historical coal data for 2017 through third-quarter 2023.

All data for 2022 and previous years are final. All data for 2023 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, 2017–2023 viii

Table ES–2. U.S. coke summary statistics, 2017–2023 ix

Table 1. U.S. coal production, 2017–2023 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, 2017–2023 6

Table 5. Average price of U.S. coal exports and imports, 2017–2023 6

Table 6. Quantity and average price of U.S. coal imports by origin, 2017–2023 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, 2017–2023 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 commerical and institutional users by census division and state 41

Table 37. U.S coal stocks, 2017–2023 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 commerical and institutional users by census division and state 47

Table 43. Average quality of coal received at manufacturing and coke plants by census division and state 49

Table 44. Average quality of coal received at commercial and institutional users by census division and state 53

Table ES-1. U.S. coal summary statistics, 2017 - 2023

(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]
2017								
January - March	197,138	1,915	2,918	25,190	173,712	22,540	166,774	-
April - June	187,098	2,197	2,123	23,430	166,866	21,836	163,264	-
July - September	196,440	2,333	2,609	23,430	203,482	24,571	145,060	-
October - December	193,933	1,357	2,301	23,999	172,796	27,998	142,957	-
Total	**774,609**	**7,803**	**9,951**		**716,856**	**96,945**		**4,596**
2018								
January - March	187,743	1,367	2,996	24,736	168,149	27,528	130,682	-
April - June	180,829	1,546	2,122	22,997	156,607	30,538	125,809	-
July - September	194,731	1,439	2,695	22,537	194,219	29,602	105,478	-
October - December	192,863	1,602	2,618	21,692	169,131	28,575	108,104	-
Total	**756,167**	**5,954**	**10,431**		**688,105**	**116,244**		**5,363**
2019								
January - March	179,817	1,689	2,649	24,160	157,746	25,213	101,990	-
April - June	179,781	1,604	1,946	24,529	129,609	25,929	122,358	-
July - September	181,461	1,681	1,576	27,714	167,226	21,960	116,478	-
October - December	165,250	1,723	1,833	31,320	131,962	20,663	133,940	-
Total	**706,309**	**6,697**	**8,003**		**586,543**	**93,765**		**5,238**
2020								
January - March	149,198	1,339	1,862	30,829	109,626	19,911	150,413	-
April - June	116,218	1,127	1,392	29,510	96,336	14,848	155,189	-
July - September	135,881	1,345	1,825	25,537	148,290	15,260	133,018	-
October - December	134,137	1,326	1,801	23,640	122,441	19,048	136,182	-
Total	**535,434**	**5,137**	**6,880**		**476,693**	**69,067**		**7,129**
2021								
January - March	140,130	1,074	2,077	22,629	138,861	20,740	113,926	-
April - June	142,674	1,530	1,560	22,361	124,505	22,017	113,366	-
July - September	148,272	1,134	2,024	19,042	167,886	20,595	82,107	-
October - December	146,355	1,650	2,002	19,013	114,426	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	2,030	22,390*	101,708	24,620	113,271	-
April - June	142,338	1,014	1,854	22,092*	91,458	24,104	132,273	-
July - September	145,605	994	2,160	18,506*	131,919	24,887	121,159	-
Total	**436,649**	**3,029**	**6,045**		**325,084**	**73,611**		**21,336**
2022 January - September	**448,397**	**4,928**	**6,773**		**399,046**	**64,948**		**-**
2021 January - September	**431,076**	**3,738**	**5,661**		**431,253**	**63,352**		**-**

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, 2017 - 2023

(thousand short tons)

Year and quarter	Production	Imports	Producer and distributor stocks[1]	Consumption[2]	Exports
2017					
January - March	3,027	1	448	2,918	242
April - June	3,124	27	414	2,951	234
July - September	3,411	5	465	3,087	278
October - December	3,386	25	558	2,860	458
Total	**12,948**	**58**		**11,815**	**1,212**
2018					
January - March	3,219	4	405	3,072	304
April - June	3,479	68	440	3,225	286
July - September	3,564	10	396	3,412	207
October - December	3,545	35	354	3,268	354
Total	**13,806**	**117**		**12,976**	**1,151**
2019					
January - March	3,170	6	331	3,008	190
April - June	3,348	40	401	3,097	222
July - September	3,214	30	408	2,995	242
October - December	3,137	40	440	2,832	313
Total	**12,870**	**116**		**11,932**	**967**
2020					
January - March	3,046	6	452	2,852	188
April - June	2,452	26	633	2,180	117
July - September	2,306	57	563	2,323	111
October - December	2,550	72	481	2,436	268
Total	**10,353**	**162**		**9,791**	**683**
2021					
January - March	3,101	16	489	2,856	253
April - June	3,205	31	469	2,669	587
July - September	3,105	20	292	2,727	575
October - December	3,134	50	352	2,457	668
Total	**12,545**	**117**		**10,708**	**2,083**
2022					
January - March	2,881	8	419	2,331	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
Total	**8,441**	**141**		**7,622**	**1,100**
2022 January - September	**8,562**	**45**		**6,843**	**1,813**
2021 January - September	**9,411**	**67**		**8,251**	**1,415**

1 Reported as of the last day of the quarter.

2 Consumption is equal to production plus imports minus the change in producer and distributor stocks minus exports.

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

Source: *Production, Consumption, and Producer and Distributor Stocks: U.S. Energy Information Administration (EIA), Form EIA-3, 'Quarterly Survey of Industrial, Commercial & Institutional Coal Users.' *Imports: U.S. Department of Commerce, Bureau of the Census, 'Monthly Report IM 145.' *Exports: U.S. Department of Commerce, Bureau of the Census, 'Monthly Report EM 545.' Prior to third quarter 2014, coke plant data was collected under Form EIA-5, 'Quarterly Coal Consumption and Quality Report - Coke Plants.'

Production

Table 1. U.S. coal production, 2017 - 2023

(thousand short tons)

Year	January - March	April - June	July - September	October - December	Total
2017	197,138	187,098	196,440	193,933	774,609
2018	187,743	180,829	194,731	192,863	756,167
2019	179,817	179,781	181,461	165,250	706,309
2020	149,198	116,218	135,881	134,137	535,434
2021	140,130	142,674	148,272	146,355	577,431
2022	149,310	144,610	154,477	145,758	594,155
2023	148,706	142,338	145,605	-	436,649

- = No data reported.

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

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

Table 2. Coal production by state

(thousand short tons)

Coal-producing region and state	July - September 2023	April - June 2023	July - September 2022	Year to date 2023	Year to date 2022	Percent change
Alabama	3,240	2,884	2,819	8,892	7,894	12.6
Alaska	256	238	237	778	721	8.0
Colorado	2,845	3,099	3,456	8,736	9,832	-11.1
Illinois	8,526	9,827	9,184	28,175	28,581	-1.4
Indiana	5,650	5,907	6,046	18,268	17,289	5.7
Kentucky Total	**6,778**	**7,233**	**7,113**	**21,614**	**21,348**	**1.2**
Eastern (Kentucky)	2,877	3,264	3,008	9,314	8,945	4.1
Western (Kentucky)	3,901	3,969	4,106	12,300	12,403	-0.8
Louisiana	91	65	81	233	226	3.0
Maryland	334	332	373	986	1,080	-8.8
Mississippi	638	601	914	1,827	2,604	-29.8
Missouri	35	36	14	106	50	111.4
Montana	7,102	7,643	7,427	21,661	21,731	-0.3
New Mexico	2,256	2,213	2,969	6,585	8,258	-20.3
North Dakota	6,057	5,527	7,440	18,312	20,637	-11.3
Ohio	475	461	574	1,433	1,921	-25.4
Oklahoma	1	s	1	1	1	-6.5
Pennsylvania Total	**10,394**	**10,471**	**9,330**	**31,528**	**29,497**	**6.9**
Anthracite (Pennsylvania)	851	596	585	2,081	1,726	20.6
Bituminous (Pennsylvania)	9,543	9,875	8,745	29,447	27,771	6.0
Tennessee	-	-	-	-	s	-
Texas	3,699	3,020	4,369	10,445	12,628	-17.3
Utah	1,774	1,580	2,926	5,389	8,565	-37.1
Virginia	2,401	2,782	2,870	8,164	8,052	1.4
West Virginia Total	**20,323**	**22,298**	**21,110**	**64,941**	**62,970**	**3.1**
Northern (West Virginia)	10,691	11,856	12,160	34,364	35,434	-3.0
Southern (West Virginia)	9,632	10,442	8,949	30,577	27,535	11.0
Wyoming	62,684	56,072	65,042	178,321	184,143	-3.2
Appalachia Total	**40,042**	**42,492**	**40,084**	**125,257**	**120,359**	**4.1**
Appalachia Central	14,909	16,489	14,828	48,055	44,533	7.9
Appalachia Northern	21,893	23,120	22,437	68,311	67,932	0.6
Appalachia Southern	3,240	2,884	2,819	8,892	7,894	12.6
Interior Region Total	**22,540**	**23,425**	**24,716**	**71,355**	**73,783**	**-3.3**
Illinois Basin	18,077	19,703	19,335	58,743	58,273	0.8
Interior	4,463	3,722	5,380	12,612	15,510	-18.7
Western Region Total	**82,974**	**76,372**	**89,497**	**239,782**	**253,887**	**-5.6**
Powder River Basin	66,198	60,319	68,704	189,513	194,751	-2.7
Uinta Region	4,423	4,467	6,130	13,507	17,613	-23.3
Western	12,353	11,586	14,663	36,761	41,523	-11.5
East of Mississippi River	**58,758**	**62,796**	**60,334**	**185,828**	**181,236**	**2.5**
West of Mississippi River	**86,799**	**79,493**	**93,963**	**250,566**	**266,793**	**-6.1**
U.S. Subtotal	**145,557**	**142,289**	**154,297**	**436,394**	**448,029**	**-2.6**
Refuse recovery	**48**	**49**	**180**	**255**	**368**	**-30.7**
U.S. Total	**145,605**	**142,338**	**154,477**	**436,649**	**448,397**	**-2.6**

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

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

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

Table 3. Coke and breeze production at coke plants

(thousand short tons)

Census division	July - September 2023	April - June 2023	July - September 2022	Year to date 2023	Year to date 2022	Percent change
Middle Atlantic	901	887	957	2,794	2,957	-5.5
East North Central	1,762	1,773	1,710	5,217	4,964	5.1
South Atlantic	153	151	161	447	587	-23.8
East South Central	115	113	135	340	425	-19.9
U.S. Total	**2,931**	**2,925**	**2,963**	**8,798**	**8,931**	**-1.5**
Coke Total	**2,818**	**2,801**	**2,843**	**8,441**	**8,562**	**-1.4**
Breeze Total	**113**	**123**	**120**	**357**	**370**	**-3.5**

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

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

Exports and imports

Table 4. U.S. coal exports and imports, 2017 - 2023

(thousand short tons)

	January - March		April - June		July - September		October - December		Total	
Year	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports
2017	22,540	1,915	21,836	2,197	24,571	2,333	27,998	1,357	96,945	7,803
2018	27,528	1,367	30,538	1,546	29,602	1,439	28,575	1,602	116,244	5,954
2019	25,213	1,689	25,929	1,604	21,960	1,681	20,663	1,723	93,765	6,697
2020	19,911	1,339	14,848	1,127	15,260	1,345	19,048	1,326	69,067	5,137
2021	20,740	1,074	22,017	1,530	20,595	1,134	21,763	1,650	85,115	5,388
2022	20,401	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	-	-	73,611	3,029

- = 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, 2017 - 2023

(dollars per short ton)

	January - March		April - June		July - September		October - December		Total	
Year	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports
2017	112.14	74.81	111.24	79.43	99.17	79.43	89.43	86.54	102.09	79.53
2018	106.94	71.87	103.75	82.95	99.48	91.02	108.69	83.08	104.63	82.39
2019	110.18	78.43	112.21	84.78	103.09	81.65	93.22	75.66	105.34	80.04
2020	90.15	69.46	90.61	74.92	88.83	72.17	83.35	71.10	88.08	71.79
2021	88.81	71.56	93.80	81.99	115.84	95.84	159.38	110.28	114.69	91.49
2022	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	-	-	156.28	147.03

- = 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, 2017 - 2023

(short tons and dollars per short ton)

Year and quarter	Australia	Canada	Colombia	Indonesia	China	Venezuela	Other countries	Total
2017	**700**	**891,734**	**6,112,092**	**699,453**	**6,474**	**46**	**92,153**	**7,802,652**
2018	**-**	**770,364**	**4,060,581**	**915,188**	**28,624**	**-**	**179,398**	**5,954,155**
2019	**-**	**817,190**	**5,033,032**	**655,398**	**54,715**	**-**	**136,802**	**6,697,137**
2020	**-**	**448,719**	**3,655,196**	**639,982**	**109,814**	**-**	**283,659**	**5,137,370**
2021	**-**	**1,034,232**	**3,366,886**	**494,168**	**116,743**	**-**	**376,319**	**5,388,348**
2022								
January - March	-	333,642	895,327	61,968	30,302	-	426	1,321,665
April - June	-	546,183	972,409	58,575	58,977	-	-	1,636,144
July - September	-	562,782	1,273,513	17,011	72,767	-	44,285	1,970,358
October - December	-	330,036	902,518	-	57,066	-	95,680	1,385,300
U.S. Total	**-**	**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
U.S. Total	**-**	**572,403**	**2,003,754**	**-**	**126,860**	**-**	**325,894**	**3,028,911**

Average price (dollars per short ton)								
2017	**74.89**	**189.83**	**64.39**	**64.11**	**97.33**	**103.33**	**132.12**	**79.53**
2018	**-**	**191.25**	**61.39**	**75.42**	**132.01**	**-**	**117.88**	**82.39**
2019	**-**	**184.33**	**62.77**	**67.10**	**96.13**	**-**	**148.37**	**80.04**
2020	**-**	**129.46**	**60.54**	**74.23**	**84.43**	**-**	**115.10**	**71.79**
2021	**-**	**157.70**	**69.12**	**65.76**	**132.31**	**-**	**130.74**	**91.49**
2022								
January - March	-	113.78	75.51	64.77	155.04	-	95.94	86.50
April - June	-	141.45	85.52	64.77	88.02	-	-	103.54
July - September	-	146.65	121.59	237.02	115.14	-	347.71	134.59
October - December	-	213.73	101.51	-	102.90	-	295.89	141.73
U.S. Total	**-**	**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
U.S. Total	**-**	**260.22**	**105.79**	**-**	**102.05**	**-**	**219.34**	**147.03**

- = No data reported.

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

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

Table 7. U.S. coal exports

(short tons)

Continent and country of destination	July - September 2023	April - June 2023	July - September 2022	Year to date 2023	Year to date 2022	Percent change
North America Total	**1,630,015**	**1,778,965**	**1,714,343**	**4,523,507**	**4,356,507**	**3.8**
Canada*	1,365,430	1,339,869	1,282,398	3,378,135	2,868,620	17.8
Dominican Republic	206,640	306,057	68,678	769,021	359,464	113.9
Guatemala	205	54,358	133,140	55,153	401,412	-86.3
Honduras	44,291	36,376	93,718	135,783	190,720	-28.8
Jamaica	-	-	20	3	71,748	-100.0
Mexico	13,354	42,241	68,484	124,588	321,140	-61.2
Trinidad and Tobago	43	28	67,905	60,728	128,582	-52.8
Other**	52	36	-	96	14,821	-99.4
South America Total	**1,941,141**	**2,160,536**	**2,265,664**	**6,487,210**	**6,126,387**	**5.9**
Argentina	188,951	136,288	82,812	462,406	318,189	45.3
Brazil	1,751,056	2,022,387	1,955,364	5,824,326	4,933,796	18.0
Chile	544	1,542	184,783	162,145	610,205	-73.4
Ecuador	45	4	42,484	36,431	119,199	-69.4
Peru	330	270	43	664	144,633	-99.5
Other**	215	45	178	1,238	365	239.2
Europe Total	**6,127,258**	**6,940,751**	**8,705,794**	**21,248,790**	**24,349,944**	**-12.7**
Austria	314,675	195,413	296,767	1,020,498	927,114	10.1
Belgium	295,012	212,502	180,882	900,304	425,886	111.4
Bosnia and Herzegovina	-	-	-	-	65,477	-
Croatia	418,628	212,866	241,877	1,028,581	1,148,006	-10.4
Denmark (Except Greenland)	-	67,845	-	67,845	110,839	-38.8
Finland	167,694	154,029	218,773	410,060	518,863	-21.0
France	338,051	221,473	386,710	1,175,906	1,037,954	13.3
Germany, Federal Republic of	640,529	983,189	1,013,660	2,644,529	2,785,354	-5.1
Italy	248,162	474,280	332,347	1,409,060	1,113,093	26.6
Netherlands	2,264,865	2,442,537	3,020,279	7,443,366	8,412,683	-11.5
Norway	22,354	8,818	20,857	56,195	53,342	5.3
Poland	518,750	426,469	801,691	1,516,731	1,835,808	-17.4
Romania	-	-	4	61,295	314,436	-80.5
Slovakia	-	-	-	-	62,233	-
Slovenia	-	-	60,633	-	121,086	-
Spain	278,135	362,845	292,552	926,292	863,773	7.2
Sweden	114,316	344,748	337,285	495,487	479,034	3.4
Turkey	389,039	446,251	841,497	1,137,228	1,661,304	-31.5
Ukraine	-	44,092	-	44,092	422,859	-89.6
United Kingdom	90,059	270,019	648,029	699,502	1,941,015	-64.0
Other**	26,989	73,375	11,951	211,819	49,785	325.5
Asia Total	**13,395,860**	**11,377,115**	**7,097,431**	**36,057,070**	**25,269,714**	**42.7**
China	1,762,735	1,353,881	781,740	4,902,802	2,438,363	101.1
India	6,229,319	5,174,862	3,316,286	17,019,850	12,342,084	37.9
Indonesia	274,560	181,586	24	584,518	156,052	274.6
Japan	2,886,043	2,280,104	1,579,012	7,240,332	5,785,277	25.2
Pakistan	-	-	64,485	-	64,506	-
Singapore	81,542	204,838	-	680,670	24	NM
South Korea (Republic of Korea)	1,800,342	1,934,955	1,351,341	5,019,447	4,388,790	14.4
Vietnam	115,325	107,072	1,864	222,499	87,385	154.6
Other**	245,994	139,817	2,679	386,952	7,233	NM
Australia and Oceania Total	**535**	**-**	**-**	**535**	**591**	**-9.5**
Other**	535	-	-	535	591	-9.5
Africa Total	**1,792,550**	**1,846,312**	**1,331,224**	**5,293,780**	**4,845,130**	**9.3**
Egypt	628,122	824,949	638,996	2,488,706	2,406,237	3.4
Morocco	1,084,262	926,496	630,939	2,512,790	2,176,670	15.4
South Africa	80,113	94,823	61,289	239,972	214,689	11.8

Continent and country of destination	July - September 2023	April - June 2023	July - September 2022	Year to date 2023	Year to date 2022	Percent change
Other**	53	44	-	52,312	47,534	10.1
Total	**24,887,359**	**24,103,679**	**21,114,456**	**73,610,892**	**64,948,273**	**13.3**

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

** Includes countries with coal exports less than or equal to 50,000 short tons in 2022.

- = 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	July - September 2023	April - June 2023	July - September 2022	Year to date 2023	Year to date 2022	Percent change
North America Total	**174.14**	**167.21**	**175.80**	**168.70**	**158.31**	**6.6**
Canada*	188.49	189.15	172.61	187.64	153.28	22.4
Dominican Republic	104.23	102.48	183.36	106.90	193.08	-44.6
Guatemala	322.81	97.13	211.83	101.01	174.92	-42.3
Honduras	63.52	90.72	80.48	81.85	83.96	-2.5
Jamaica	-	-	318.45	1,354.33	68.48	NM
Mexico	150.97	95.94	240.38	121.52	174.23	-30.3
Trinidad and Tobago	579.67	451.46	224.13	250.15	251.15	-0.4
Other**	309.63	279.31	-	309.02	80.55	283.6
South America Total	**159.65**	**193.56**	**225.74**	**194.22**	**250.13**	**-22.4**
Argentina	147.16	176.17	199.49	162.77	269.16	-39.5
Brazil	160.82	194.59	218.42	200.72	261.52	-23.2
Chile	378.18	332.34	354.72	81.44	226.23	-64.0
Ecuador	2,100.00	1,033.50	51.65	54.12	50.04	8.2
Peru	360.18	386.49	296.67	376.20	84.97	342.7
Other**	315.83	357.60	531.15	124.59	439.69	-71.7
Europe Total	**155.95**	**184.24**	**229.52**	**182.63**	**240.89**	**-24.2**
Austria	211.48	224.17	233.72	224.05	329.09	-31.9
Belgium	178.41	212.78	256.46	180.20	251.93	-28.5
Bosnia and Herzegovina	-	-	-	-	420.14	-
Croatia	186.41	238.14	285.35	209.75	297.58	-29.5
Denmark (Except Greenland)	-	114.31	-	114.31	216.16	-47.1
Finland	180.38	267.25	324.05	223.02	339.75	-34.4
France	189.11	193.11	226.58	182.96	301.06	-39.2
Germany, Federal Republic of	119.23	153.81	204.45	155.20	214.71	-27.7
Italy	172.32	215.39	302.76	219.93	343.41	-36.0
Netherlands	126.71	159.78	194.04	156.51	200.02	-21.8
Norway	303.22	90.72	314.62	311.84	303.98	2.6
Poland	203.08	217.89	217.18	225.88	255.90	-11.7
Romania	-	-	897.50	226.80	199.26	13.8
Slovakia	-	-	-	-	329.56	-
Slovenia	-	-	344.73	-	383.25	-
Spain	154.83	154.54	254.93	178.74	244.57	-26.9
Sweden	187.71	209.24	353.11	205.58	337.14	-39.0
Turkey	150.77	256.41	259.43	214.83	257.52	-16.6
Ukraine	-	226.80	-	226.80	324.98	-30.2
United Kingdom	196.06	170.32	222.92	199.43	179.38	11.2
Other**	187.20	154.49	249.39	184.67	131.95	40.0
Asia Total	**125.37**	**135.93**	**190.10**	**140.70**	**202.74**	**-30.6**
China	148.49	162.00	233.08	175.69	304.47	-42.3
India	130.15	138.51	197.49	140.11	220.09	-36.3
Indonesia	176.75	117.26	633.33	154.20	254.41	-39.4
Japan	127.86	165.71	192.67	149.82	192.30	-22.1
Pakistan	-	-	136.08	-	136.23	-
Singapore	158.76	222.15	-	231.40	322.33	-28.2
South Korea (Republic of Korea)	69.97	68.98	146.73	81.99	107.69	-23.9
Vietnam	141.12	152.83	35.54	146.76	325.79	-55.0
Other**	138.87	114.18	261.46	130.71	313.45	-58.3
Australia and Oceania Total	**325.35**	**-**	**-**	**325.35**	**312.18**	**4.2**
Other**	325.35	-	-	325.35	312.18	4.2
Africa Total	**91.59**	**103.20**	**142.13**	**99.53**	**111.40**	**-10.7**
Egypt	94.37	114.22	196.12	106.35	122.17	-12.9
Morocco	79.68	82.07	77.00	80.38	76.45	5.1
South Africa	230.84	213.77	249.60	221.28	320.57	-31.0

Continent and country of destination	July - September 2023	April - June 2023	July - September 2022	Year to date 2023	Year to date 2022	Percent change
Other**	437.06	242.50	-	136.47	222.56	-38.7
Total	**136.34**	**154.81**	**205.99**	**156.28**	**211.72**	**-26.2**

* 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 2022.

- = No data reported.

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

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

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

Table 9. U.S. steam coal exports

(short tons)

Continent and country of destination	July - September 2023	April - June 2023	July - September 2022	Year to date 2023	Year to date 2022	Percent change
North America Total	**442,518**	**827,948**	**626,832**	**2,047,412**	**2,046,888**	**s**
Canada*	178,272	389,099	353,110	963,556	898,753	7.2
Dominican Republic	206,640	306,057	68,678	769,021	321,985	138.8
Guatemala	205	54,358	70,090	55,153	338,362	-83.7
Honduras	44,291	36,376	93,718	135,783	190,720	-28.8
Jamaica	-	-	20	3	71,748	-100.0
Mexico	13,015	41,994	41,050	123,699	210,283	-41.2
Trinidad and Tobago	43	28	166	101	216	-53.2
Other**	52	36	-	96	14,821	-99.4
South America Total	**239,291**	**260,199**	**566,972**	**888,410**	**1,435,248**	**-38.1**
Argentina	97,718	50,760	37,604	239,017	37,697	NM
Brazil	140,439	207,578	301,880	448,915	523,149	-14.2
Chile	544	1,542	184,783	162,145	610,205	-73.4
Ecuador	45	4	42,484	36,431	119,199	-69.4
Peru	330	270	43	664	144,633	-99.5
Other**	215	45	178	1,238	365	239.2
Europe Total	**2,083,320**	**2,616,945**	**3,621,815**	**8,403,721**	**9,634,984**	**-12.8**
Belgium	165,860	107,398	11,078	537,078	47,454	NM
Croatia	22	44	5,512	94,429	203,200	-53.5
Denmark (Except Greenland)	-	67,845	-	67,845	110,839	-38.8
Finland	-	-	23,038	-	23,038	-
France	34,148	22,046	31,472	314,584	42,875	NM
Germany, Federal Republic of	369,886	593,475	587,153	1,645,865	1,755,733	-6.3
Italy	60,970	42,501	42	357,623	150	NM
Netherlands	1,175,703	1,258,736	1,867,687	4,010,836	4,649,750	-13.7
Norway	8,577	8,818	8,818	27,649	8,818	213.6
Poland	9,130	83,637	344,780	259,004	662,420	-60.9
Romania	-	-	4	61,295	160,601	-61.8
Spain	106,873	227,965	87,833	441,372	235,302	87.6
Sweden	-	80,978	102,664	80,978	102,664	-21.1
Turkey	151,570	110	141,198	152,150	332,449	-54.2
United Kingdom	355	75,057	410,490	217,968	1,261,811	-82.7
Other**	226	48,335	46	135,045	37,880	256.5
Asia Total	**6,801,657**	**6,108,435**	**3,623,728**	**18,698,227**	**12,524,471**	**49.3**
China	74,976	287,929	173,385	477,319	173,590	175.0
India	3,690,070	3,102,812	1,447,496	10,482,301	5,901,244	77.6
Indonesia	88	42	24	67,875	72,537	-6.4
Japan	1,547,649	842,950	965,497	3,449,827	2,892,619	19.3
Pakistan	-	-	64,485	-	64,506	-
Singapore	-	-	-	46	24	91.7
South Korea (Republic of Korea)	1,427,666	1,734,845	968,298	4,018,551	3,410,840	17.8
Vietnam	1	40	1,864	143	1,878	-92.4
Other**	61,207	139,817	2,679	202,165	7,233	NM
Australia and Oceania Total	**535**	**-**	**-**	**535**	**591**	**-9.5**
Other**	535	-	-	535	591	-9.5
Africa Total	**1,731,483**	**1,707,698**	**1,193,039**	**4,969,808**	**4,226,262**	**17.6**
Egypt	628,122	762,117	561,820	2,366,619	2,001,767	18.2
Morocco	1,084,262	926,496	630,939	2,512,790	2,176,670	15.4
South Africa	19,046	19,041	280	38,087	291	NM
Other**	53	44	-	52,312	47,534	10.1
Total	**11,298,804**	**11,521,225**	**9,632,386**	**35,008,113**	**29,868,444**	**17.2**

* 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 2022.

- = No data reported.

NM = Not meaningful due to changes of 500 percent or more.
s = Absolute percentage less than 0.05.

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

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

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

(dollars per short ton)

Continent and country of destination	July - September 2023	April - June 2023	July - September 2022	Year to date 2023	Year to date 2022	Percent change
North America Total	**147.64**	**145.28**	**125.13**	**145.34**	**124.76**	**16.5**
Canada*	218.30	196.11	112.90	190.56	105.81	80.1
Dominican Republic	104.23	102.48	183.36	106.90	200.13	-46.6
Guatemala	322.81	97.13	190.04	101.01	163.53	-38.2
Honduras	63.52	90.72	80.48	81.85	83.96	-2.5
Jamaica	-	-	318.45	1,354.33	68.48	NM
Mexico	150.36	95.47	122.62	121.14	86.99	39.3
Trinidad and Tobago	579.67	451.46	431.30	534.13	444.73	20.1
Other**	309.63	279.31	-	309.02	80.55	283.6
South America Total	**97.75**	**112.63**	**203.32**	**126.51**	**159.45**	**-20.7**
Argentina	88.02	136.55	249.48	132.36	249.71	-47.0
Brazil	101.85	104.72	126.04	145.18	120.39	20.6
Chile	378.18	332.34	354.72	81.44	226.23	-64.0
Ecuador	2,100.00	1,033.50	51.65	54.12	50.04	8.2
Peru	360.18	386.49	296.67	376.20	84.97	342.7
Other**	315.83	357.60	531.15	124.59	439.69	-71.7
Europe Total	**101.86**	**105.27**	**167.25**	**121.91**	**120.72**	**1.0**
Belgium	142.58	181.22	226.80	146.52	182.96	-19.9
Croatia	762.09	762.09	181.42	126.21	75.23	67.8
Denmark (Except Greenland)	-	114.31	-	114.31	216.16	-47.1
Finland	-	-	280.32	-	280.32	-
France	75.30	90.72	226.80	102.92	240.30	-57.2
Germany, Federal Republic of	62.10	93.45	186.66	99.82	144.50	-30.9
Italy	112.54	59.91	640.62	144.19	491.25	-70.6
Netherlands	103.24	109.41	147.45	117.16	108.02	8.5
Norway	90.72	90.72	239.51	186.09	239.51	-22.3
Poland	322.10	115.87	166.62	231.31	130.78	76.9
Romania	-	-	897.50	226.80	54.16	318.8
Spain	74.56	105.34	249.80	126.91	153.59	-17.4
Sweden	-	73.25	192.85	73.25	192.85	-62.0
Turkey	151.11	571.33	209.02	151.86	140.09	8.4
United Kingdom	316.88	64.90	177.26	105.80	109.99	-3.8
Other**	248.69	106.11	800.48	154.81	95.71	61.7
Asia Total	**77.26**	**78.65**	**106.91**	**85.82**	**92.42**	**-7.1**
China	227.60	87.75	153.99	135.85	154.37	-12.0
India	86.23	90.22	136.77	94.99	112.74	-15.7
Indonesia	700.57	723.57	633.33	185.97	63.92	190.9
Japan	77.91	79.22	117.75	88.30	108.99	-19.0
Pakistan	-	-	136.08	-	136.23	-
Singapore	-	-	-	317.37	322.33	-1.5
South Korea (Republic of Korea)	43.62	53.27	40.79	50.53	39.38	28.3
Vietnam	7,088.00	667.40	35.54	337.37	53.81	NM
Other**	119.67	114.18	261.46	117.44	313.45	-62.5
Australia and Oceania Total	**325.35**	**-**	**-**	**325.35**	**312.18**	**4.2**
Other**	325.35	-	-	325.35	312.18	4.2
Africa Total	**87.50**	**97.07**	**137.11**	**94.50**	**99.61**	**-5.1**
Egypt	94.37	111.45	204.53	105.60	121.84	-13.3
Morocco	79.68	82.07	77.00	80.38	76.45	5.1
South Africa	304.93	250.94	317.20	277.94	326.92	-15.0
Other**	437.06	242.50	-	136.47	222.56	-38.7
Total	**86.57**	**92.98**	**140.20**	**100.23**	**108.01**	**-7.2**

* 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 2022.

- = No data reported.

NM = Not meaningful due to changes of 500 percent or more.
Note: Average price is based on the free alongside ship (f.a.s) value, including value for shipments of specialty coal not used as a fuel source (about 0.05 percent of all shipments). Steam coal includes bituminous, sub-bituminous, lignite, and anthracite. Total may not equal sum of components because of independent rounding.
Source: U.S. Department of Commerce, Bureau of the Census, 'Monthly Report EM 545.'

Table 11. U.S. metallurgical coal exports

(short tons)

Continent and country of destination	July - September 2023	April - June 2023	July - September 2022	Year to date 2023	Year to date 2022	Percent change
North America Total	**1,187,497**	**951,017**	**1,087,511**	**2,476,095**	**2,309,619**	**7.2**
Canada*	1,187,158	950,770	929,288	2,414,579	1,969,867	22.6
Dominican Republic	-	-	-	-	37,479	-
Guatemala	-	-	63,050	-	63,050	-
Mexico	339	247	27,434	889	110,857	-99.2
Trinidad and Tobago	-	-	67,739	60,627	128,366	-52.8
South America Total	**1,701,850**	**1,900,337**	**1,698,692**	**5,598,800**	**4,691,139**	**19.3**
Argentina	91,233	85,528	45,208	223,389	280,492	-20.4
Brazil	1,610,617	1,814,809	1,653,484	5,375,411	4,410,647	21.9
Europe Total	**4,043,938**	**4,323,806**	**5,083,979**	**12,845,069**	**14,714,960**	**-12.7**
Austria	314,675	195,413	296,767	1,020,498	927,114	10.1
Belgium	129,152	105,104	169,804	363,226	378,432	-4.0
Bosnia and Herzegovina	-	-	-	-	65,477	-
Croatia	418,606	212,822	236,365	934,152	944,806	-1.1
Finland	167,694	154,029	195,735	410,060	495,825	-17.3
France	303,903	199,427	355,238	861,322	995,079	-13.4
Germany, Federal Republic of	270,643	389,714	426,507	998,664	1,029,621	-3.0
Italy	187,192	431,779	332,305	1,051,437	1,112,943	-5.5
Netherlands	1,089,162	1,183,801	1,152,592	3,432,530	3,762,933	-8.8
Norway	13,777	-	12,039	28,546	44,524	-35.9
Poland	509,620	342,832	456,911	1,257,727	1,173,388	7.2
Romania	-	-	-	-	153,835	-
Slovakia	-	-	-	-	62,233	-
Slovenia	-	-	60,633	-	121,086	-
Spain	171,262	134,880	204,719	484,920	628,471	-22.8
Sweden	114,316	263,770	234,621	414,509	376,370	10.1
Turkey	237,469	446,141	700,299	985,078	1,328,855	-25.9
Ukraine	-	44,092	-	44,092	422,859	-89.6
United Kingdom	89,704	194,962	237,539	481,534	679,204	-29.1
Other**	26,763	25,040	11,905	76,774	11,905	NM
Asia Total	**6,594,203**	**5,268,680**	**3,473,703**	**17,358,843**	**12,745,243**	**36.2**
China	1,687,759	1,065,952	608,355	4,425,483	2,264,773	95.4
India	2,539,249	2,072,050	1,868,790	6,537,549	6,440,840	1.5
Indonesia	274,472	181,544	-	516,643	83,515	NM
Japan	1,338,394	1,437,154	613,515	3,790,505	2,892,658	31.0
Singapore	81,542	204,838	-	680,624	-	-
South Korea (Republic of Korea)	372,676	200,110	383,043	1,000,896	977,950	2.3
Vietnam	115,324	107,032	-	222,356	85,507	160.0
Other**	184,787	-	-	184,787	-	-
Africa Total	**61,067**	**138,614**	**138,185**	**323,972**	**618,868**	**-47.7**
Egypt	-	62,832	77,176	122,087	404,470	-69.8
South Africa	61,067	75,782	61,009	201,885	214,398	-5.8
Total	**13,588,555**	**12,582,454**	**11,482,070**	**38,602,779**	**35,079,829**	**10.0**

* 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 2022.

- = No data reported.

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

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

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

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

(dollars per short ton)

Continent and country of destination	July - September 2023	April - June 2023	July - September 2022	Year to date 2023	Year to date 2022	Percent change
North America Total	**184.02**	**186.30**	**205.00**	**188.02**	**188.04**	**s**
Canada*	184.02	186.30	195.29	186.48	174.94	6.6
Dominican Republic	-	-	-	-	132.45	-
Guatemala	-	-	236.06	-	236.06	-
Mexico	174.47	175.16	416.59	174.74	339.71	-48.6
Trinidad and Tobago	-	-	223.62	249.68	250.83	-0.5
South America Total	**168.35**	**204.64**	**233.22**	**204.96**	**277.88**	**-26.2**
Argentina	210.50	199.68	157.90	195.31	271.78	-28.1
Brazil	165.97	204.87	235.28	205.36	278.26	-26.2
Europe Total	**183.81**	**232.03**	**273.89**	**222.36**	**319.57**	**-30.4**
Austria	211.48	224.17	233.72	224.05	329.09	-31.9
Belgium	224.43	245.02	258.40	229.99	260.58	-11.7
Bosnia and Herzegovina	-	-	-	-	420.14	-
Croatia	186.38	238.04	287.77	218.19	345.41	-36.8
Finland	180.38	267.25	329.20	223.02	342.51	-34.9
France	201.90	204.43	226.56	212.20	303.68	-30.1
Germany, Federal Republic of	197.30	245.73	228.94	246.48	334.43	-26.3
Italy	191.80	230.69	302.72	245.69	343.39	-28.5
Netherlands	152.05	213.34	269.52	202.50	313.70	-35.4
Norway	435.51	-	369.63	433.64	316.74	36.9
Poland	200.94	242.78	255.33	224.76	326.53	-31.2
Romania	-	-	-	-	350.75	-
Slovakia	-	-	-	-	329.56	-
Slovenia	-	-	344.73	-	383.25	-
Spain	204.92	237.69	257.14	225.91	278.63	-18.9
Sweden	187.71	250.99	423.24	231.43	376.49	-38.5
Turkey	150.56	256.34	269.59	224.56	286.90	-21.7
Ukraine	-	226.80	-	226.80	324.98	-30.2
United Kingdom	195.58	210.91	301.82	241.81	308.30	-21.6
Other**	186.68	247.88	247.26	237.19	247.26	-4.1
Asia Total	**174.98**	**202.34**	**276.88**	**199.81**	**311.15**	**-35.8**
China	144.97	182.06	255.62	179.98	315.98	-43.0
India	193.98	210.81	244.53	212.46	318.45	-33.3
Indonesia	176.58	117.12	-	150.03	419.86	-64.3
Japan	185.61	216.43	310.57	205.81	275.61	-25.3
Singapore	158.76	222.15	-	231.39	-	-
South Korea (Republic of Korea)	170.89	205.22	414.53	208.31	345.94	-39.8
Vietnam	141.06	152.64	-	146.64	331.77	-55.8
Other**	145.23	-	-	145.23	-	-
Africa Total	**207.73**	**178.79**	**185.42**	**176.75**	**191.98**	**-7.9**
Egypt	-	147.87	134.93	120.79	123.82	-2.4
South Africa	207.73	204.43	249.29	210.59	320.56	-34.3
Total	**177.72**	**211.42**	**261.19**	**207.11**	**300.03**	**-31.0**

* 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 2022.

- = No data reported.

s = Absolute percentage less than 0.05.

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

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

Table 13. U.S. coal exports by customs district

(short tons)

Customs district	July - September 2023	April - June 2023	July - September 2022	Year to date 2023	Year to date 2022	Percent change
Eastern Total	**16,226,712**	**16,031,827**	**12,799,275**	**48,574,026**	**40,318,797**	**20.5**
Baltimore, MD	6,499,470	6,714,137	3,762,457	20,250,267	14,280,234	41.8
Buffalo, NY	919,001	742,181	588,628	1,895,332	1,214,895	56.0
New York City, NY	1,557	4,505	3,421	6,825	7,745	-11.9
Norfolk, VA	8,723,844	8,384,078	8,322,470	25,990,655	24,409,311	6.5
Ogdensburg, NY	12,739	91,900	62,626	245,362	253,434	-3.2
Philadelphia, PA	70,101	94,947	59,502	185,467	152,721	21.4
Portland, ME	-	-	-	39	72	-45.8
St. Albans, VT	-	79	171	79	385	-79.5
Southern Total	**5,807,360**	**5,468,501**	**6,186,743**	**17,955,369**	**17,596,556**	**2.0**
Charleston, SC	-	3	-	3	1	200.0
El Paso, TX	11,098	2,393	38,580	34,244	96,583	-64.5
Houston-Galveston, TX	66,958	140,410	258,129	341,709	776,509	-56.0
Laredo, TX	2,223	3,709	2,974	8,494	71,724	-88.2
Miami, FL	247	55	66	428	330	29.7
Mobile, AL	3,344,784	2,533,771	2,558,455	8,830,328	7,168,190	23.2
New Orleans, LA	2,381,135	2,787,261	3,328,455	8,736,108	9,481,099	-7.9
San Juan, PR	-	13	-	532	3	NM
Savannah, GA	2	21	84	304	529	-42.5
Tampa, FL	913	865	-	3,219	1,588	102.7
Western Total	**2,515,011**	**2,281,739**	**1,629,568**	**6,342,080**	**6,070,894**	**4.5**
Anchorage, AK	35,443	-	-	35,443	-	-
Great Falls, MT	115	-	21	15,366	518	NM
Honolulu, HI	-	-	-	-	41	-
Los Angeles, CA	72,037	77,388	345,267	380,843	928,349	-59.0
Nogales, AZ	29	35,630	10	81,298	6,813	NM
Portland, OR	-	-	89,477	-	89,477	-
San Diego, CA	4	509	24	535	100	435.0
San Francisco, CA	582,020	418,154	229,286	1,291,185	982,783	31.4
Seattle, WA	1,825,363	1,750,058	965,483	4,537,410	4,062,813	11.7
Northern Total	**337,962**	**320,642**	**496,457**	**734,439**	**954,560**	**-23.1**
Chicago, IL	30	-	-	30	13,150	-99.8
Cleveland, OH	224,011	249,661	412,525	535,401	809,131	-33.8
Detroit, MI	80,712	24,316	16,832	115,211	54,171	112.7
Duluth, MN	30,043	38,059	-	68,205	131	NM
Minneapolis, MN	-	-	63,991	-	63,991	-
Pembina, ND	3,166	8,606	3,109	15,592	13,986	11.5
Other Ports	**314**	**970**	**2,413**	**4,978**	**7,466**	**-33.3**
Total	**24,887,359**	**24,103,679**	**21,114,456**	**73,610,892**	**64,948,273**	**13.3**

- = No data reported.

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

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

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

Table 14. Steam coal exports by customs district

(short tons)

Customs district	July - September 2023	April - June 2023	July - September 2022	Year to date 2023	Year to date 2022	Percent change
Eastern Total	**5,868,226**	**6,014,629**	**3,760,050**	**18,451,621**	**11,715,470**	**57.5**
Baltimore, MD	4,224,555	4,556,888	2,289,909	13,259,280	8,308,581	59.6
Buffalo, NY	2,369	32,994	2,530	58,224	7,600	NM
New York City, NY	1,557	4,505	3,421	6,825	7,745	-11.9
Norfolk, VA	1,559,258	1,236,270	1,343,448	4,705,151	2,990,534	57.3
Ogdensburg, NY	10,386	89,025	61,111	236,635	248,042	-4.6
Philadelphia, PA	70,101	94,947	59,502	185,467	152,721	21.4
Portland, ME	-	-	-	39	72	-45.8
St. Albans, VT	-	-	129	-	175	-
Southern Total	**2,845,464**	**3,163,920**	**4,085,535**	**10,065,706**	**11,877,028**	**-15.3**
Charleston, SC	-	3	-	3	1	200.0
El Paso, TX	11,098	2,393	38,580	34,244	96,583	-64.5
Houston-Galveston, TX	66,958	140,410	195,079	341,687	713,459	-52.1
Laredo, TX	1,884	3,462	2,440	7,605	70,416	-89.2
Miami, FL	247	53	66	426	330	29.1
Mobile, AL	727,761	702,727	661,986	2,218,964	1,804,055	23.0
New Orleans, LA	2,036,601	2,313,992	3,187,300	7,458,741	9,190,081	-18.8
San Juan, PR	-	13	-	532	3	NM
Savannah, GA	2	2	84	285	512	-44.3
Tampa, FL	913	865	-	3,219	1,588	102.7
Western Total	**2,515,011**	**2,281,739**	**1,629,564**	**6,342,080**	**6,070,868**	**4.5**
Anchorage, AK	35,443	-	-	35,443	-	-
Great Falls, MT	115	-	21	15,366	496	NM
Honolulu, HI	-	-	-	-	41	-
Los Angeles, CA	72,037	77,388	345,267	380,843	928,349	-59.0
Nogales, AZ	29	35,630	10	81,298	6,813	NM
Portland, OR	-	-	89,477	-	89,477	-
San Diego, CA	4	509	20	535	96	457.3
San Francisco, CA	582,020	418,154	229,286	1,291,185	982,783	31.4
Seattle, WA	1,825,363	1,750,058	965,483	4,537,410	4,062,813	11.7
Northern Total	**69,789**	**59,967**	**154,824**	**143,728**	**197,612**	**-27.3**
Chicago, IL	30	-	-	30	69	-56.5
Cleveland, OH	-	9	71,022	9	83,272	-100.0
Detroit, MI	36,560	13,293	16,702	60,036	36,163	66.0
Duluth, MN	30,043	38,059	-	68,205	131	NM
Minneapolis, MN	-	-	63,991	-	63,991	-
Pembina, ND	3,156	8,606	3,109	15,448	13,986	10.5
Other Ports	**314**	**970**	**2,413**	**4,978**	**7,466**	**-33.3**
Total	**11,298,804**	**11,521,225**	**9,632,386**	**35,008,113**	**29,868,444**	**17.2**

- = No data reported.

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

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

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

Table 15. Metallurgical coal exports by customs district

(short tons)

Customs district	July - September 2023	April - June 2023	July - September 2022	Year to date 2023	Year to date 2022	Percent change
Eastern Total	**10,358,486**	**10,017,198**	**9,039,225**	**30,122,405**	**28,603,327**	**5.3**
Baltimore, MD	2,274,915	2,157,249	1,472,548	6,990,987	5,971,653	17.1
Buffalo, NY	916,632	709,187	586,098	1,837,108	1,207,295	52.2
Norfolk, VA	7,164,586	7,147,808	6,979,022	21,285,504	21,418,777	-0.6
Ogdensburg, NY	2,353	2,875	1,515	8,727	5,392	61.9
St. Albans, VT	-	79	42	79	210	-62.4
Southern Total	**2,961,896**	**2,304,581**	**2,101,208**	**7,889,663**	**5,719,528**	**37.9**
Houston-Galveston, TX	-	-	63,050	22	63,050	-100.0
Laredo, TX	339	247	534	889	1,308	-32.0
Miami, FL	-	2	-	2	-	-
Mobile, AL	2,617,023	1,831,044	1,896,469	6,611,364	5,364,135	23.3
New Orleans, LA	344,534	473,269	141,155	1,277,367	291,018	338.9
Savannah, GA	-	19	-	19	17	11.8
Western Total	**-**	**-**	**4**	**-**	**26**	**-**
Great Falls, MT	-	-	-	-	22	-
San Diego, CA	-	-	4	-	4	-
Northern Total	**268,173**	**260,675**	**341,633**	**590,711**	**756,948**	**-22.0**
Chicago, IL	-	-	-	-	13,081	-
Cleveland, OH	224,011	249,652	341,503	535,392	725,859	-26.2
Detroit, MI	44,152	11,023	130	55,175	18,008	206.4
Pembina, ND	10	-	-	144	-	-
Total	**13,588,555**	**12,582,454**	**11,482,070**	**38,602,779**	**35,079,829**	**10.0**

- = No data reported.

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

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

Table 16. U.S. coke exports

(short tons)

Continent and country of destination	July - September 2023	April - June 2023	July - September 2022	Year to date 2023	Year to date 2022	Percent change
North America Total	**343,017**	**350,767**	**329,248**	**873,521**	**929,001**	**-6.0**
Canada*	295,888	292,929	270,530	713,519	754,353	-5.4
Mexico	46,009	57,641	58,412	158,385	173,859	-8.9
Other**	1,120	197	306	1,617	789	104.9
South America Total	**100,671**	**21**	**41,134**	**194,384**	**166,849**	**16.5**
Brazil	100,651	-	41,117	194,343	166,705	16.6
Other**	20	21	17	41	144	-71.5
Europe Total	**50**	**89**	**188,372**	**30,616**	**715,026**	**-95.7**
Belgium	-	-	41,888	-	142,038	-
Netherlands	-	-	78,262	-	222,277	-
Other**	50	89	43,971	302	127,101	-99.8
Spain	-	-	-	30,314	120,825	-74.9
United Kingdom	-	-	24,251	-	102,785	-
Asia Total	**86**	**818**	**813**	**1,015**	**1,176**	**-13.7**
Other**	86	818	813	1,015	1,176	-13.7
Australia and Oceania Total	**38**	**46**	**22**	**106**	**457**	**-76.8**
Other**	38	46	22	106	457	-76.8
Total	**443,862**	**351,741**	**559,589**	**1,099,642**	**1,812,509**	**-39.3**

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

** Includes countries with coal exports less than or equal to 50,000 short tons in 2022.

- = 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	July - September 2023	April - June 2023	July - September 2022	Year to date 2023	Year to date 2022	Percent change
North America Total	**349.29**	**390.24**	**386.14**	**390.68**	**366.95**	**6.5**
Canada*	330.99	385.76	378.74	381.31	352.22	8.3
Mexico	471.09	412.03	419.04	433.33	429.57	0.9
Other**	180.20	682.42	649.06	344.94	645.18	-46.5
South America Total	**394.71**	**773.95**	**648.73**	**423.70**	**277.33**	**52.8**
Brazil	394.63	-	648.64	423.62	277.12	52.9
Other**	812.65	773.95	857.82	792.83	522.08	51.9
Europe Total	**733.66**	**384.33**	**445.47**	**224.55**	**288.72**	**-22.2**
Belgium	-	-	524.35	-	375.16	-
Netherlands	-	-	441.60	-	302.42	-
Other**	733.66	384.33	232.88	454.71	205.45	121.3
Spain	-	-	-	222.26	222.82	-0.3
United Kingdom	-	-	707.15	-	320.04	-
Asia Total	**867.98**	**421.18**	**632.68**	**515.55**	**728.38**	**-29.2**
Other**	867.98	421.18	632.68	515.55	728.38	-29.2
Australia and Oceania Total	**475.95**	**250.43**	**216.36**	**333.64**	**295.38**	**13.0**
Other**	475.95	250.43	216.36	333.64	295.38	13.0
Total	**359.75**	**390.32**	**425.77**	**392.00**	**328.05**	**19.5**

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

** Includes countries with coal exports less than or equal to 50,000 short tons in 2022.

- = No data reported.

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

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

Table 18. U.S. coal imports

(short tons)

Continent and country of origin	July - September 2023	April - June 2023	July - September 2022	Year to date 2023	Year to date 2022	Percent change
North America Total	**228,794**	**193,551**	**563,430**	**575,469**	**1,443,279**	**-60.1**
Canada	228,606	192,792	562,782	572,403	1,442,607	-60.3
Mexico	188	759	648	3,066	672	356.3
South America Total	**652,033**	**735,558**	**1,273,513**	**2,117,827**	**3,141,249**	**-32.6**
Colombia	615,840	695,900	1,273,513	2,003,754	3,141,249	-36.2
Peru	36,193	39,658	-	114,073	-	-
Europe Total	**32,772**	**30,381**	**16,355**	**102,382**	**16,757**	**NM**
France	-	-	-	-	402	-
Ireland	32,772	30,381	-	102,380	-	-
Spain	-	-	16,355	-	16,355	-
United Kingdom	-	-	-	2	-	-
Asia Total	**44,446**	**21,114**	**89,778**	**126,860**	**299,600**	**-57.7**
China	44,446	21,114	72,767	126,860	162,046	-21.7
Indonesia	-	-	17,011	-	137,554	-
Africa Total	**36,376**	**33,620**	**27,282**	**106,373**	**27,282**	**289.9**
South Africa	36,376	33,620	27,282	106,373	27,282	289.9
Total	**994,421**	**1,014,224**	**1,970,358**	**3,028,911**	**4,928,167**	**-38.5**

- = No data reported.

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

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

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

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

(dollars per short ton)

Continent and country of origin	July - September 2023	April - June 2023	July - September 2022	Year to date 2023	Year to date 2022	Percent change
North America Total	**241.05**	**290.03**	**146.69**	**259.65**	**137.10**	**89.4**
Canada	241.17	290.46	146.65	260.22	137.08	89.8
Mexico	94.95	180.41	178.54	154.09	188.11	-18.1
South America Total	**105.16**	**109.84**	**121.59**	**111.69**	**97.29**	**14.8**
Colombia	99.25	103.04	121.59	105.79	97.29	8.7
Peru	205.56	229.21	-	215.32	-	-
Europe Total	**176.90**	**176.90**	**533.41**	**176.93**	**522.42**	**-66.1**
France	-	-	-	-	75.00	-
Ireland	176.90	176.90	-	176.90	-	-
Spain	-	-	533.41	-	533.41	-
United Kingdom	-	-	-	1,633.50	-	-
Asia Total	**88.90**	**70.91**	**138.23**	**102.05**	**100.49**	**1.6**
China	88.90	70.91	115.14	102.05	112.73	-9.5
Indonesia	-	-	237.02	-	86.07	-
Africa Total	**249.48**	**266.72**	**240.41**	**266.35**	**240.41**	**10.8**
South Africa	249.48	266.72	240.41	266.35	240.41	10.8
U.S. Total*	**143.34**	**150.63**	**134.59**	**147.03**	**111.38**	**32.0**

* 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 incured in bringing the merchandise to the United States. Coal imports include coal to Puerto Rico and the Virgin Islands. Total may not equal sum of components because of independent rounding.

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

Table 20. Coal imports by customs district

(short tons)

Customs district	July - September 2023	April - June 2023	July - September 2022	Year to date 2023	Year to date 2022	Percent change
Eastern Total	**20**	**94**	**47,340**	**47,028**	**47,990**	**-2.0**
Boston, MA	-	-	-	-	402	-
Buffalo, NY	-	94	-	105	227	-53.7
Portland, ME	-	-	47,340	46,903	47,340	-0.9
St. Albans, VT	20	-	-	20	21	-4.8
Southern Total	**763,434**	**816,265**	**1,326,870**	**2,402,050**	**3,283,909**	**-26.9**
Houston-Galveston, TX	24,514	4,750	-	56,456	6,520	NM
Laredo, TX	188	759	648	3,066	672	356.3
Miami, FL	-	-	202	207	244	-15.2
Mobile, AL	226,164	383,150	668,158	979,477	1,686,734	-41.9
New Orleans, LA	90,120	43,766	72,565	215,574	155,282	38.8
San Juan, PR	389,676	353,459	517,543	1,044,890	1,253,066	-16.6
Tampa, FL	32,772	30,381	67,754	102,380	181,391	-43.6
Western Total	**129,839**	**115,531**	**488,203**	**349,839**	**1,349,882**	**-74.1**
Great Falls, MT	129,109	114,468	453,283	347,278	1,094,599	-68.3
Honolulu, HI	-	-	33,366	-	252,993	-
San Francisco, CA	-	-	-	3	-	-
Seattle, WA	730	1,063	1,554	2,558	2,290	11.7
Northern Total	**101,128**	**82,334**	**107,945**	**229,994**	**246,386**	**-6.7**
Chicago, IL	2,429	5,176	-	7,605	30,355	-74.9
Cleveland, OH	-	-	-	72	9	NM
Detroit, MI	87,066	59,847	90,367	174,074	161,834	7.6
Duluth, MN	837	865	440	4,029	1,676	140.4
Pembina, ND	10,796	16,446	17,138	44,212	52,512	-15.8
St. Louis, MO	-	-	-	2	-	-
Total	**994,421**	**1,014,224**	**1,970,358**	**3,028,911**	**4,928,167**	**-38.5**

- = No data reported.

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

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

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

Table 21. U.S. coke imports

(short tons)

Continent and country of origin	July - September 2023	April - June 2023	July - September 2022	Year to date 2023	Year to date 2022	Percent change
North America Total	**27,164**	**39,794**	**8,927**	**67,154**	**10,608**	**NM**
Canada	27,164	39,794	8,927	67,154	10,608	NM
South America Total	**-**	**14,793**	**-**	**14,793**	**-**	**-**
Brazil	-	110	-	110	-	-
Colombia	-	14,683	-	14,683	-	-
Europe Total	**23,186**	**21,288**	**-**	**44,488**	**17,427**	**155.3**
Czech Republic	23,165	-	-	23,165	17,364	33.4
Germany, Federal Republic of	21	1	-	22	-	-
Netherlands	-	-	-	-	21	-
Poland	-	21,275	-	21,275	-	-
United Kingdom	-	12	-	26	42	-38.1
Asia Total	**29**	**219**	**989**	**529**	**1,940**	**-72.7**
China	29	-	989	137	1,872	-92.7
India	-	-	-	45	68	-33.8
Indonesia	-	-	-	13	-	-
Japan	-	-	-	3	-	-
United Arab Emirates	-	219	-	331	-	-
Africa Total	**2,094**	**6,366**	**3,261**	**13,744**	**15,425**	**-10.9**
Mozambique	-	-	218	110	675	-83.7
South Africa	2,094	6,366	3,043	13,634	14,750	-7.6
U.S. Total	**52,473**	**82,460**	**13,177**	**140,708**	**45,400**	**209.9**

- = 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 IM 145.'

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

(dollars per short ton)

Continent and country of origin	July - September 2023	April - June 2023	July - September 2022	Year to date 2023	Year to date 2022	Percent change
North America Total	**493.42**	**384.57**	**372.23**	**428.33**	**442.92**	**-3.3**
Canada	493.42	384.57	372.23	428.33	442.92	-3.3
South America Total	**-**	**352.18**	**-**	**352.18**	**-**	**-**
Brazil	-	740.32	-	740.32	-	-
Colombia	-	349.28	-	349.28	-	-
Europe Total	**454.64**	**488.46**	**-**	**471.31**	**457.89**	**2.9**
Czech Republic	454.47	-	-	454.47	456.39	-0.4
Germany, Federal Republic of	642.29	2,291.00	-	717.23	-	-
Netherlands	-	-	-	-	416.19	-
Poland	-	487.92	-	487.92	-	-
United Kingdom	-	1,291.67	-	1,669.23	1,097.86	52.0
Asia Total	**1,022.76**	**423.02**	**1,984.65**	**892.50**	**1,757.84**	**-49.2**
China	1,022.76	-	1,984.65	1,783.07	1,780.78	0.1
India	-	-	-	933.78	1,126.19	-17.1
Indonesia	-	-	-	2,788.46	-	-
Japan	-	-	-	3,440.33	-	-
United Arab Emirates	-	423.02	-	420.73	-	-
Africa Total	**869.33**	**783.12**	**551.13**	**718.60**	**490.92**	**46.4**
Mozambique	-	-	403.93	469.64	393.09	19.5
South Africa	869.33	783.12	561.68	720.61	495.39	45.5
U.S. Total	**491.58**	**436.45**	**537.53**	**464.01**	**521.16**	**-11.0**

- = No data reported.

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

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

Receipts and prices

Table 23. Coal receipts at coke plants by census division

(thousand short tons)

Census division	July - September 2023	April - June 2023	July - September 2022	Year to date 2023	Year to date 2022	Percent change
Middle Atlantic	1,186	1,250	1,284	3,867	4,167	-7.2
East North Central	2,443	2,263	2,337	7,004	6,771	3.4
South Atlantic	193	195	206	581	661	-12.1
East South Central	158	131	185	414	477	-13.2
U.S. Total	**3,980**	**3,839**	**4,011**	**11,867**	**12,076**	**-1.7**

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

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

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

(dollars per short ton)

Census division	July - September 2023	April - June 2023	July - September 2022	Year to date 2023	Year to date 2022	Percent change
Middle Atlantic	w	w	w	w	w	w
East North Central	221.86	231.93	209.54	226.07	210.63	7.3
South Atlantic	w	w	w	w	w	w
East South Central	w	w	w	w	w	w
U.S. Total	**210.29**	**214.63**	**196.87**	**210.57**	**194.20**	**8.4**

w = Data withheld to avoid disclosure.

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

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

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

(thousand short tons and dollars per short ton)

Commodity	July - September 2023	April - June 2023	July - September 2022	Year to date		
				2023	2022	Percent change
Coke						
Sales	3,139	3,229	3,360	7,854	6,673	17.7
Average Price	228.51	228.08	223.47	269.59	310.35	-13.1
Breeze						
Sales	200	263	170	560	432	29.8
Average Price	73.94	67.63	47.00	85.26	83.74	1.8

Note: Total may not equal sum of components because of independent rounding.
Source: U.S. Energy Information Administration (EIA), Form EIA-3, 'Quarterly Survey of Industrial, Commercial & Institutional Coal Users.' Prior to third quarter 2014, coke plant data was collected under Form EIA-5, 'Quarterly Coal Consumption and Quality Report - Coke Plants.'

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

(thousand short tons)

Census division and state	July - September 2023	April - June 2023	July - September 2022	Year to date 2023	Year to date 2022	Percent change
Middle Atlantic	**125**	**147**	**180**	**465**	**542**	**-14.2**
New York	38	32	70	156	194	-19.3
Pennsylvania	86	114	110	309	349	-11.4
East North Central	**971**	**1,003**	**1,096**	**2,907**	**3,086**	**-5.8**
Illinois	449	465	502	1,340	1,412	-5.1
Indiana	291	277	361	852	900	-5.3
Michigan	107	108	76	268	172	55.8
Ohio	80	81	85	261	293	-11.1
Wisconsin	45	72	72	186	309	-40.0
West North Central	**2,056**	**2,456**	**2,781**	**7,387**	**8,643**	**-14.5**
Iowa	588	499	625	1,644	1,776	-7.4
Kansas	29	33	22	92	74	25.5
Minnesota	129	192	145	673	636	5.8
Missouri	200	210	241	619	663	-6.6
Nebraska	111	154	238	516	749	-31.1
North Dakota	930	1,300	1,443	3,640	4,539	-19.8
South Dakota	68	69	66	203	207	-1.9
South Atlantic	**325**	**377**	**533**	**1,134**	**1,525**	**-25.7**
Florida	15	24	45	71	143	-50.4
Georgia	42	42	67	147	190	-22.4
Maryland	101	108	127	271	321	-15.5
North Carolina	25	49	79	158	287	-45.0
South Carolina	18	17	37	67	81	-17.8
Virginia	54	74	100	238	300	-20.7
West Virginia	69	63	78	182	204	-10.8
East South Central	**545**	**581**	**620**	**1,743**	**2,045**	**-14.8**
Alabama	94	102	149	327	517	-36.7
Kentucky	161	181	188	528	626	-15.7
Mississippi	18	24	18	62	55	11.7
Tennessee	271	273	266	827	847	-2.4
West South Central	**196**	**298**	**231**	**768**	**754**	**2.0**
Arkansas	25	38	44	107	104	3.2
Louisiana	76	57	81	210	249	-15.7
Oklahoma	51	117	47	249	186	34.0
Texas	44	88	59	202	214	-5.9
Mountain	**614**	**610**	**642**	**1,791**	**1,925**	**-6.9**
Arizona	81	57	61	201	193	4.1
Colorado	21	43	34	111	105	6.0
Idaho	14	10	13	29	28	4.0
Montana	61	42	43	155	137	13.3
Nevada	45	38	62	122	187	-34.6
New Mexico	18	15	18	46	45	2.4
Utah	82	90	80	231	237	-2.6
Wyoming	292	316	331	896	993	-9.8
Pacific	**309**	**356**	**413**	**999**	**1,096**	**-8.8**
Alaska	s	s	s	1	1	s
California	292	331	376	935	984	-5.0
Oregon	-	5	17	6	49	-88.3
Washington	17	19	19	58	62	-7.2
U.S. Total	**5,139**	**5,828**	**6,495**	**17,195**	**19,616**	**-12.3**

- = No data reported.

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

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

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

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

(dollars per short ton)

Census division and state	July - September 2023	April - June 2023	July - September 2022	Year to date 2023	Year to date 2022	Percent change
Middle Atlantic	**133.50**	**132.76**	**104.85**	**129.24**	**101.40**	**27.5**
New York	w	w	w	w	w	w
Pennsylvania	w	w	w	w	w	w
East North Central	**107.50**	**106.64**	**84.77**	**106.96**	**80.56**	**32.8**
Illinois	w	w	w	w	w	w
Indiana	w	w	w	w	w	w
Michigan	149.03	128.00	111.38	136.05	100.19	35.8
Ohio	161.64	165.43	129.54	159.30	127.78	24.7
Wisconsin	92.93	93.61	106.11	100.18	94.52	6.0
West North Central	**36.50**	**33.81**	**30.91**	**35.60**	**30.28**	**17.6**
Iowa	w	32.93	33.09	w	w	w
Kansas	w	w	w	w	w	w
Minnesota	54.31	54.43	58.91	55.93	53.20	5.1
Missouri	85.78	81.11	63.51	83.53	58.99	41.6
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	**173.84**	**159.89**	**150.14**	**169.66**	**139.97**	**21.2**
Florida	w	w	192.02	w	w	w
Georgia	230.87	w	188.66	w	w	w
Maryland	w	w	w	w	w	w
North Carolina	188.76	182.61	156.79	186.39	132.93	40.2
South Carolina	175.57	205.42	162.47	198.53	131.80	50.6
Virginia	190.68	148.31	144.27	164.79	128.33	28.4
West Virginia	w	w	w	w	w	w
East South Central	**162.35**	**156.21**	**139.73**	**158.56**	**127.00**	**24.9**
Alabama	w	w	w	w	w	w
Kentucky	157.00	171.17	140.25	157.59	131.83	19.5
Mississippi	w	w	w	w	w	w
Tennessee	148.84	125.78	128.59	141.91	114.47	24.0
West South Central	**97.82**	**101.49**	**91.68**	**101.58**	**86.00**	**18.1**
Arkansas	w	w	w	w	w	w
Louisiana	w	w	w	w	w	w
Oklahoma	138.33	w	w	w	112.96	w
Texas	132.64	133.65	108.69	125.26	100.15	25.1
Mountain	**81.13**	**76.08**	**70.30**	**77.58**	**67.87**	**14.3**
Arizona	w	w	w	w	w	w
Colorado	w	w	w	w	w	w
Idaho	120.07	w	151.42	w	w	w
Montana	69.27	82.91	60.57	71.16	54.30	31.0
Nevada	w	w	96.38	w	w	w
New Mexico	w	w	w	w	w	w
Utah	85.05	86.33	58.93	82.56	56.40	46.4
Wyoming	58.11	56.14	56.53	58.80	55.14	6.6
Pacific	**113.04**	**115.88**	**96.95**	**114.00**	**90.78**	**25.6**
California	w	117.05	97.67	w	w	w
Oregon	-	w	w	w	w	w
Washington	w	w	w	w	w	w
U.S. Total	**86.54**	**82.09**	**72.37**	**83.38**	**67.94**	**22.7**

- = No data reported.
w = Data withheld to avoid disclosure.

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

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

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

(thousand short tons)

NAICS code		July - September 2023	April - June 2023	July - September 2022	Year to date 2023	Year to date 2022	Percent change
311	Food Manufacturing	1,388	1,419	1,576	4,620	4,848	-4.7
312	Beverage and Tobacco Product Mfg.	2	3	2	8	9	-7.9
313	Textile Mills	s	s	4	3	12	-75.0
322	Paper Manufacturing	191	303	293	860	1,074	-19.9
324	Petroleum and Coal Products	804	1,180	1,331	3,140	4,189	-25.0
325	Chemical Manufacturing	661	702	727	2,091	2,202	-5.0
327	Nonmetallic Mineral Products Mfg.	1,584	1,670	2,012	4,929	5,631	-12.5
331	Primary Metal Manufacturing	272	304	268	840	784	7.0
333	Machinery Manufacturing	5	8	11	39	73	-46.5
339	Miscellaneous Manufacturing	234	238	271	664	794	-16.4
U.S. Total		**5,139**	**5,828**	**6,495**	**17,195**	**19,616**	**-12.3**

* Includes coal gasification projects.

** Excludes coke plants.

- = No data reported.

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

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

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

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

(dollars per short ton)

NAICS code		July - September 2023	April - June 2023	July - September 2022	Year to date 2023	Year to date 2022	Percent change
311	Food Manufacturing	41.00	39.18	38.96	40.68	37.95	7.2
312	Beverage and Tobacco Product Mfg.	w	w	w	w	w	w
313	Textile Mills	w	w	w	w	162.92	w
322	Paper Manufacturing	177.80	145.52	139.94	159.50	119.78	33.2
324	Petroleum and Coal Products	w	w	w	w	w	w
325	Chemical Manufacturing	115.01	107.71	99.68	113.53	95.94	18.3
327	Nonmetallic Mineral Products Mfg.	109.68	110.70	98.73	109.63	92.38	18.7
331	Primary Metal Manufacturing	251.79	250.17	190.16	252.52	188.53	33.9
333	Machinery Manufacturing	w	w	w	w	w	w
339	Miscellaneous Manufacturing	72.26	66.76	70.23	70.43	65.90	6.9
U.S. Total		**86.54**	**82.09**	**72.37**	**83.38**	**67.94**	**22.7**

* Includes coal gasification projects.

** Excludes coke plants.

- = No data reported.

w = Data withheld to avoid disclosure.

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

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

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

(thousand short tons)

Census division and state	July - September 2023	April - June 2023	July - September 2022	Year to date 2023	Year to date 2022	Percent change
Middle Atlantic	**-**	**s**	**1**	**2**	**2**	**-18.2**
Pennsylvania	-	s	1	2	2	-18.2
East North Central	**17**	**22**	**37**	**79**	**105**	**-24.2**
Illinois	16	15	19	62	58	6.6
Indiana	1	7	18	17	47	-62.5
West North Central	**1**	**10**	**33**	**32**	**97**	**-67.2**
Iowa	1	5	22	16	65	-75.8
Minnesota	-	s	s	2	5	-64.9
Missouri	-	-	5	2	9	-78.5
North Dakota	1	4	7	12	18	-31.2
South Atlantic	**9**	**1**	**8**	**26**	**22**	**17.2**
North Carolina	7	-	7	16	17	-8.5
Virginia	2	1	1	10	5	105.5
East South Central	**-**	**-**	**s**	**-**	**s**	**-**
Kentucky	-	-	s	-	s	-
Mountain	**2**	**-**	**s**	**2**	**6**	**-68.2**
Montana	2	-	-	2	-	-
Wyoming	-	-	s	s	6	-94.2
Pacific	**100**	**101**	**120**	**349**	**339**	**3.0**
Alaska	100	101	120	349	339	3.0
U.S. Total	**129**	**134**	**199**	**490**	**571**	**-14.3**

- = No data reported.

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

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

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

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

(dollars per short ton)

Census division and state	July - September 2023	April - June 2023	July - September 2022	Year to date 2023	Year to date 2022	Year to date Percent change
Middle Atlantic	**-**	**w**	**w**	**w**	**w**	**w**
Pennsylvania	-	w	w	w	w	w
East North Central	**49.62**	**60.27**	**64.15**	**62.31**	**59.18**	**5.3**
Illinois	w	w	w	w	w	w
Indiana	w	w	w	w	w	w
West North Central	**w**	**78.51**	**87.00**	**w**	**w**	**w**
Iowa	w	w	w	w	w	w
Minnesota	-	w	w	w	w	w
Missouri	-	-	w	95.31	w	w
North Dakota	w	w	w	w	w	w
South Atlantic	**w**	**w**	**w**	**w**	**w**	**w**
North Carolina	w	-	w	w	w	w
Virginia	w	w	w	w	w	w
East South Central	**-**	**-**	**w**	**-**	**w**	**-**
Kentucky	-	-	w	-	w	-
Mountain	**w**	**-**	**w**	**w**	**w**	**w**
Montana	w	-	-	w	-	-
Wyoming	-	-	w	201.48	w	w
Pacific	**w**	**w**	**88.69**	**w**	**w**	**w**
Alaska	w	w	88.69	w	w	w
U.S. Total	**92.48**	**86.18**	**88.24**	**94.24**	**85.80**	**9.8**

- = 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.'

Consumption

Table 32. U.S. coal consumption by end-use sector, 2017 - 2023

(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	
2017									
January - March	160,569	4,236	3,483	5,051	8,534	194	179	373	173,712
April - June	154,230	4,325	3,095	5,013	8,107	121	82	203	166,866
July - September	190,545	4,491	3,083	5,168	8,251	136	59	195	203,482
October - December	159,649	4,485	3,315	5,056	8,371	159	130	290	172,796
Total	**664,993**	**17,538**	**12,975**	**20,289**	**33,264**	**610**	**451**	**1,061**	**716,856**
2018									
January - March	155,420	4,228	3,473	4,673	8,146	192	162	354	168,149
April - June	144,112	4,610	2,909	4,782	7,691	122	72	194	156,607
July - September	181,691	4,762	2,853	4,738	7,591	127	48	175	194,219
October - December	155,993	4,737	2,999	5,154	8,152	136	113	248	169,131
Total	**637,217**	**18,337**	**12,233**	**19,347**	**31,580**	**577**	**395**	**972**	**688,105**
2019									
January - March	145,189	4,463	3,056	4,718	7,774	172	148	320	157,746
April - June	117,771	4,660	2,611	4,392	7,003	105	71	176	129,609
July - September	155,612	4,455	2,515	4,491	7,006	112	42	154	167,226
October - December	120,034	4,389	2,711	4,601	7,312	131	96	227	131,962
Total	**538,606**	**17,967**	**10,892**	**18,203**	**29,095**	**519**	**357**	**876**	**586,543**
2020									
January - March	97,975	4,276	2,684	4,385	7,069	149	157	306	109,626
April - June	87,101	3,455	2,114	3,523	5,637	92	50	143	96,336
July - September	139,009	3,162	2,228	3,743	5,971	106	43	148	148,290
October - December	111,742	3,520	2,428	4,555	6,983	127	70	196	122,441
Total	**435,827**	**14,414**	**9,453**	**16,207**	**25,660**	**473**	**320**	**793**	**476,693**
2021									
January - March	127,648	4,361	2,486	4,094	6,579	167	105	272	138,861
April - June	113,708	4,489	2,299	3,857	6,156	103	50	153	124,505
July - September	157,021	4,366	2,456	3,878	6,334	119	47	165	167,886
October - December	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	91,187	4,025	2,284	3,980	6,265	119	112	231	101,708
April - June	81,975	3,852	2,125	3,370	5,495	92	43	136	91,458
July - September	122,658	3,998	2,056	3,085	5,141	86	37	122	131,919
Total	**295,819**	**11,875**	**6,465**	**10,435**	**16,901**	**297**	**192**	**489**	**325,084**
2022 January - September	**366,893**	**12,034**	**7,199**	**12,356**	**19,555**	**380**	**184**	**564**	**399,046**
2021 January - September	**398,377**	**13,216**	**7,240**	**11,829**	**19,069**	**389**	**201**	**590**	**431,253**

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

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

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

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

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

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

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

Table 33. Coal carbonized at coke plants by census division

(thousand short tons)

Census division	July - September 2023	April - June 2023	July - September 2022	Year to date 2023	Year to date 2022	Year to date Percent change
Middle Atlantic	1,249	1,200	1,316	3,840	4,066	-5.6
East North Central	2,419	2,324	2,276	7,049	6,750	4.4
South Atlantic	212	209	209	621	780	-20.4
East South Central	117	118	132	365	437	-16.5
U.S. Total	**3,998**	**3,852**	**3,932**	**11,875**	**12,034**	**-1.3**

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

(thousand short tons)

Census division and state	July - September 2023	April - June 2023	July - September 2022	Year to date 2023	Year to date 2022	Percent change
Middle Atlantic	**122**	**130**	**168**	**467**	**527**	**-11.4**
New York	25	30	61	160	170	-5.6
Pennsylvania	98	100	107	307	358	-14.2
East North Central	**976**	**977**	**1,071**	**2,987**	**3,237**	**-7.7**
Illinois	439	446	511	1,341	1,425	-5.9
Indiana	300	281	317	900	920	-2.2
Michigan	100	83	70	258	240	7.8
Ohio	81	85	91	262	294	-10.9
Wisconsin	56	81	82	227	358	-36.7
West North Central	**2,061**	**2,433**	**2,728**	**7,321**	**8,609**	**-15.0**
Iowa	565	532	624	1,628	1,806	-9.8
Kansas	30	28	23	86	61	41.2
Minnesota	119	201	133	653	619	5.4
Missouri	186	197	250	564	641	-12.0
Nebraska	117	159	219	523	741	-29.4
North Dakota	972	1,258	1,399	3,669	4,547	-19.3
South Dakota	72	58	80	198	195	1.6
South Atlantic	**353**	**343**	**510**	**1,105**	**1,479**	**-25.3**
Florida	26	23	48	76	150	-49.4
Georgia	46	37	64	136	205	-33.6
Maryland	99	112	125	277	312	-11.0
North Carolina	27	50	82	161	279	-42.3
South Carolina	19	12	31	56	65	-13.1
Virginia	68	51	86	220	268	-17.8
West Virginia	68	57	73	179	201	-11.1
East South Central	**545**	**545**	**616**	**1,703**	**1,961**	**-13.2**
Alabama	104	89	159	312	499	-37.3
Kentucky	159	177	202	516	611	-15.6
Mississippi	17	19	17	56	51	9.8
Tennessee	265	259	238	819	800	2.3
West South Central	**208**	**175**	**220**	**584**	**742**	**-21.2**
Arkansas	35	38	36	111	106	4.2
Louisiana	76	57	82	209	250	-16.6
Oklahoma	44	27	31	109	172	-36.8
Texas	53	53	70	156	214	-26.9
Mountain	**556**	**557**	**658**	**1,719**	**1,968**	**-12.6**
Arizona	66	54	61	181	200	-9.3
Colorado	27	42	34	98	111	-11.3
Idaho	6	6	9	33	51	-34.0
Montana	37	26	52	116	152	-24.1
Nevada	53	41	52	140	169	-16.7
New Mexico	17	16	17	46	45	2.8
Utah	81	87	102	232	232	-0.3
Wyoming	270	285	331	873	1,009	-13.5
Pacific	**318**	**335**	**352**	**1,014**	**1,032**	**-1.8**
Alaska	s	s	s	1	1	s
California	303	318	323	949	945	0.5
Oregon	-	-	12	10	27	-64.4
Washington	15	17	16	54	59	-9.3
U.S. Total	**5,141**	**5,495**	**6,320**	**16,901**	**19,555**	**-13.6**

- = No data reported.

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

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

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

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

(thousand short tons)

NAICS code		July - September 2023	April - June 2023	July - September 2022	Year to date 2023	Year to date 2022	Percent change
311	Food Manufacturing	1,300	1,409	1,511	4,583	4,899	-6.4
312	Beverage and Tobacco Product Mfg.	2	3	2	8	9	-7.1
313	Textile Mills	s	1	2	3	11	-67.6
322	Paper Manufacturing	192	208	272	728	1,107	-34.2
324	Petroleum and Coal Products	889	1,171	1,325	3,200	4,188	-23.6
325	Chemical Manufacturing	676	650	698	2,084	2,157	-3.4
327	Nonmetallic Mineral Products Mfg.	1,589	1,547	1,957	4,757	5,498	-13.5
331	Primary Metal Manufacturing	266	298	253	866	796	8.8
333	Machinery Manufacturing	9	s	21	19	70	-72.6
339	Miscellaneous Manufacturing	217	208	278	651	820	-20.6
U.S. Total		**5,141**	**5,495**	**6,320**	**16,901**	**19,555**	**-13.6**

* Includes coal gasification projects.

** Excludes coke plants.

- = No data reported.

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

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

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

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

(thousand short tons)

Census division and state	July - September 2023	April - June 2023	July - September 2022	Year to date 2023	Year to date 2022	Percent change
Middle Atlantic	**-**	**s**	**-**	**1**	**3**	**-51.4**
Pennsylvania	-	s	-	1	3	-51.4
East North Central	**15**	**22**	**33**	**77**	**106**	**-26.8**
Illinois	15	15	18	59	58	1.0
Indiana	-	8	15	19	47	-60.9
West North Central	**-**	**2**	**29**	**29**	**91**	**-67.8**
Iowa	-	s	23	15	62	-76.3
Minnesota	-	s	s	2	3	-15.5
Missouri	-	-	4	3	9	-70.5
North Dakota	-	2	2	10	17	-44.0
South Atlantic	**8**	**7**	**8**	**30**	**27**	**12.7**
North Carolina	8	5	7	22	23	-3.2
Virginia	s	2	s	9	4	95.0
East South Central	**-**	**-**	**-**	**-**	**1**	**-**
Kentucky	-	-	-	-	1	-
Mountain	**s**	**-**	**s**	**1**	**7**	**-88.4**
Colorado	s	-	-	s	s	25.6
Montana	-	-	-	s	1	-61.1
Wyoming	-	-	s	s	6	-94.2
Pacific	**98**	**104**	**107**	**350**	**330**	**6.2**
Alaska	98	104	107	350	330	6.2
U.S. Total	**122**	**136**	**177**	**489**	**564**	**-13.2**

- = No data reported.

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

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

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

Stocks

Table 37. U.S. coal stocks, 2017 - 2023

(thousand short tons)

Last day of quarter	Coal consumers					Coal producers and distributors	Total
	Electric power sector[1]	Coke plants	Other industrial[2]	Commercial and institutional users	Total		
2017							
March 31	161,815	1,388	3,236	335	166,774	25,190	191,964
June 30	158,014	1,626	3,295	329	163,264	23,430	186,694
September 30	139,571	1,670	3,482	337	145,060	23,430	168,490
December 31	137,687	1,718	3,242	310	142,957	23,999	166,956
2018							
March 31	126,008	1,508	2,891	275	130,682	24,736	155,418
June 30	121,041	1,616	2,896	256	125,809	22,997	148,806
September 30	100,384	1,811	3,023	260	105,478	22,537	128,015
December 31	102,793	1,807	3,258	247	108,104	21,692	129,796
2019							
March 31	96,932	2,005	2,832	221	101,990	24,160	126,150
June 30	116,875	2,296	2,985	201	122,358	24,529	146,887
September 30	110,615	2,463	3,168	232	116,478	27,714	144,192
December 31	128,102	2,333	3,258	246	133,940	31,320	165,260
2020							
March 31	145,034	2,148	3,020	212	150,413	30,829	181,242
June 30	149,935	2,022	3,019	213	155,189	29,510	184,699
September 30	127,902	1,975	2,907	234	133,018	25,537	158,555
December 31	131,431	1,654	2,848	250	136,182	23,640	159,822
2021							
March 31	109,614	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	109,007	1,650	2,451	162	113,271	22,390*	135,661
June 30	127,663	1,684	2,765	160	132,273	22,092*	154,365
September 30	116,587	1,655	2,750	168	121,159	18,506*	139,665

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

2 Manufacturing plants only.

* Estimated.

- = No data reported.

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

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

Table 38. Coal stocks at coke plants by census division

(thousand short tons)

Census division	September 30, 2023	June 30, 2023	September 30, 2022	Percent change (September 30) 2023 versus 2022
Middle Atlantic	519	587	544	-4.7
East North Central	901	891	894	0.7
South Atlantic	63	63	85	-26.0
East South Central	172	142	123	40.5
U.S. Total	**1,655**	**1,684**	**1,646**	**0.5**

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

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

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

(thousand short tons)

Census division and state	September 30, 2023	June 30, 2023	September 30, 2022	Percent change (September 30) 2023 versus 2022
Middle Atlantic	**199**	**206**	**204**	**-2.6**
New York	40	35	56	-28.5
Pennsylvania	159	170	148	7.2
East North Central	**405**	**395**	**385**	**5.3**
Illinois	48	38	46	3.8
Indiana	179	185	213	-15.6
Michigan	121	117	68	77.4
Ohio	20	21	18	9.2
Wisconsin	37	35	40	-7.4
West North Central	**574**	**585**	**577**	**-0.5**
Iowa	158	135	145	8.9
Kansas	18	18	18	2.2
Minnesota	44	35	51	-13.1
Missouri	119	110	59	103.6
Nebraska	22	28	46	-52.1
North Dakota	171	214	227	-24.6
South Dakota	41	45	32	30.9
South Atlantic	**352**	**381**	**312**	**12.9**
Florida	46	58	48	-2.5
Georgia	54	57	44	23.4
Maryland	26	25	24	9.5
North Carolina	84	87	70	19.2
South Carolina	49	49	42	17.0
Virginia	66	80	60	9.4
West Virginia	27	26	24	10.1
East South Central	**269**	**270**	**224**	**19.9**
Alabama	79	87	74	6.5
Kentucky	69	69	50	38.9
Mississippi	11	10	7	63.7
Tennessee	110	104	94	17.4
West South Central	**405**	**420**	**221**	**83.7**
Arkansas	23	33	26	-12.3
Louisiana	3	4	3	10.4
Oklahoma	251	244	98	156.0
Texas	129	140	94	37.2
Mountain	**439**	**382**	**420**	**4.4**
Arizona	36	20	25	43.4
Colorado	19	26	11	73.2
Idaho	144	135	155	-6.9
Montana	59	36	30	96.2
Nevada	26	33	37	-30.2
New Mexico	3	2	3	-2.4
Utah	49	50	49	1.0
Wyoming	104	81	111	-6.9
Pacific	**110**	**126**	**186**	**-41.0**
California	90	108	150	-40.1
Oregon	12	12	28	-56.3
Washington	8	6	8	-7.3
U.S. Total	**2,753**	**2,765**	**2,529**	**8.8**

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		September 30, 2023	June 30, 2023	September 30, 2022	Percent change (September 30) 2023 versus 2022
311	Food Manufacturing	531	443	513	3.5
312	Beverage and Tobacco Product Mfg.	1	1	s	153.6
313	Textile Mills	7	7	9	-22.0
322	Paper Manufacturing	327	327	183	79.0
324	Petroleum and Coal Products	119	204	203	-41.5
325	Chemical Manufacturing	166	181	164	0.9
327	Nonmetallic Mineral Products Mfg.	1,326	1,342	1,168	13.5
331	Primary Metal Manufacturing	127	123	133	-4.1
333	Machinery Manufacturing	30	33	22	34.6
339	Miscellaneous Manufacturing	120	104	134	-11.0
U.S. Total		**2,753**	**2,765**	**2,529**	**8.8**

* Includes coal gasification projects.

** Excludes coke plants.

- = No data reported.

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

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

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

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

(thousand short tons)

Census division	September 30, 2023	June 30, 2023	September 30, 2022	Percent change (September 30) 2023 versus 2022
Middle Atlantic	34	64	17	102.2
East North Central	120	136	290	-58.6
South Atlantic	37	33	36	3.3
East South Central	22	19	30	-28.4
U.S. Total	**213**	**252**	**373**	**-42.9**
Coke Total	**161**	**200**	**303**	**-47.0**
Breeze Total	**52**	**51**	**69**	**-25.1**

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

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

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

(thousand short tons)

Census division and state	September 30, 2023	June 30, 2023	September 30, 2022	Percent change (September 30) 2023 versus 2022
Middle Atlantic	**20**	**20**	**20**	**1.5**
Pennsylvania	20	20	20	1.5
East North Central	**28**	**26**	**23**	**20.7**
Illinois	26	26	20	29.3
Indiana	2	1	3	-37.8
West North Central	**26**	**25**	**26**	**-3.0**
Iowa	12	12	12	2.6
Minnesota	5	5	6	-12.5
Missouri	-	-	1	-100.0
North Dakota	8	7	7	10.4
South Atlantic	**36**	**35**	**37**	**-2.8**
District of Columbia	3	3	3	s
North Carolina	24	24	25	-6.4
Virginia	10	8	9	6.4
East South Central	**4**	**4**	**4**	**s**
Kentucky	4	4	4	s
Mountain	**4**	**2**	**3**	**38.6**
Colorado	s	s	s	-38.2
Montana	3	2	2	59.9
Wyoming	s	s	s	s
Pacific	**51**	**48**	**74**	**-31.3**
Alaska	51	48	74	-31.3
U.S. Total	**168**	**160**	**187**	**-10.2**

- = No data reported.

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

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

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

Quality

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

Census division and state[1]	July - September 2023	April - June 2023	July - September 2022	Year to date 2023	Year to date 2022	Percent change
Middle Atlantic						
Btu	14,175	14,179	14,150	14,184	14,162	0.2
Sulfur	1.09	1.11	1.13	1.11	1.13	-1.8
Ash	7.17	7.28	7.44	7.27	7.35	-1.1
New York						
Btu	12,663	12,509	12,745	12,660	12,740	-0.6
Sulfur	2.23	2.16	2.22	2.23	2.21	0.9
Ash	9.86	10.55	9.51	9.69	9.54	1.7
Pennsylvania						
Btu	14,221	14,218	14,221	14,241	14,223	0.1
Sulfur	1.05	1.09	1.07	1.07	1.09	-1.4
Ash	7.09	7.20	7.33	7.17	7.25	-1.1
East North Central						
Btu	13,556	13,519	13,402	13,548	13,400	1.1
Sulfur	1.02	1.06	1.19	1.06	1.23	-14.0
Ash	6.94	6.98	7.48	7.01	7.47	-6.2
Illinois						
Btu	11,481	11,325	11,847	11,505	12,018	-4.3
Sulfur	1.35	1.62	2.13	1.58	2.35	-32.7
Ash	6.49	6.55	7.24	6.68	7.49	-10.7
Indiana						
Btu	14,171	14,289	13,746	14,220	13,915	2.2
Sulfur	0.90	0.87	0.92	0.89	0.89	0.5
Ash	6.83	6.98	7.41	6.88	7.41	-7.1
Michigan						
Btu	13,812	13,832	13,834	13,826	13,289	4.0
Sulfur	0.84	0.87	0.71	0.82	0.72	13.1
Ash	7.57	7.45	7.69	7.46	7.75	-3.7
Ohio						
Btu	14,292	14,253	14,212	14,255	14,204	0.4
Sulfur	1.05	1.06	1.03	1.04	1.03	1.5
Ash	7.14	7.16	7.63	7.25	7.46	-2.8
Wisconsin						
Btu	11,502	10,458	11,497	10,669	10,898	-2.1
Sulfur	0.71	0.48	1.01	0.56	1.00	-43.5
Ash	7.03	6.38	8.16	7.01	7.25	-3.3
West North Central						
Btu	8,457	8,232	8,219	8,356	8,194	2.0
Sulfur	0.77	0.78	0.77	0.73	0.77	-5.0
Ash	6.17	6.01	6.23	5.95	6.05	-1.8
Iowa						
Btu	8,911	8,839	8,932	8,874	8,921	-0.5
Sulfur	0.48	0.36	0.51	0.41	0.48	-13.5
Ash	5.16	5.09	4.78	5.13	4.80	7.0
Kansas						
Btu	10,683	11,277	10,138	10,961	10,344	6.0
Sulfur	1.71	1.65	2.63	1.89	2.29	-17.3
Ash	8.74	12.23	16.99	10.96	14.39	-23.9
Minnesota						
Btu	9,232	9,237	9,235	9,266	9,304	-0.4
Sulfur	0.32	0.34	0.33	0.34	0.35	-4.0
Ash	4.28	4.32	4.30	4.27	4.26	0.2
Missouri						
Btu	11,326	11,199	11,176	11,223	11,172	0.5
Sulfur	1.90	2.43	2.05	1.97	2.09	-5.7
Ash	8.44	8.42	8.40	8.59	8.50	1.1
Nebraska						
Btu	8,806	8,817	8,769	8,812	8,744	0.8
Sulfur	0.30	0.30	0.22	0.30	0.22	37.0

Census division and state[1]	July - September 2023	April - June 2023	July - September 2022	Year to date 2023	Year to date 2022	Percent change
Ash	5.00	5.03	4.58	5.01	4.55	10.3
North Dakota						
Btu	7,380	7,237	7,202	7,358	7,201	2.2
Sulfur	0.82	0.80	0.80	0.78	0.83	-5.8
Ash	6.67	6.22	6.88	6.21	6.60	-6.0
South Dakota						
Btu	7,989	8,015	8,025	8,006	8,018	-0.1
Sulfur	0.37	0.35	0.35	0.36	0.35	1.8
Ash	5.43	5.31	4.58	5.35	4.96	7.8
South Atlantic						
Btu	13,266	13,229	12,993	13,259	13,143	0.9
Sulfur	1.17	1.16	1.19	1.16	1.14	1.7
Ash	9.85	10.16	11.19	9.96	10.35	-3.7
Florida						
Btu	12,048	11,469	12,002	11,700	12,199	-4.1
Sulfur	1.58	2.18	2.79	1.98	2.48	-20.3
Ash	7.67	9.23	9.88	8.89	9.98	-10.9
Georgia						
Btu	12,368	12,248	12,606	12,316	12,435	-1.0
Sulfur	1.09	1.09	0.87	1.12	0.92	21.6
Ash	10.71	11.38	10.72	11.36	10.85	4.6
Maryland						
Btu	11,509	11,670	10,816	11,499	11,066	3.9
Sulfur	1.74	1.70	1.47	1.73	1.34	28.4
Ash	18.48	19.52	25.00	20.40	22.90	-10.9
North Carolina						
Btu	12,837	13,382	13,365	13,381	13,408	-0.2
Sulfur	0.97	0.89	0.89	0.91	0.90	0.3
Ash	8.79	7.67	8.28	7.98	8.16	-2.1
South Carolina						
Btu	13,323	13,292	13,199	13,225	12,883	2.7
Sulfur	1.30	1.32	1.32	1.26	1.61	-21.8
Ash	7.89	7.80	8.66	8.08	8.91	-9.4
Virginia						
Btu	14,231	14,107	14,007	14,101	14,031	0.5
Sulfur	0.94	0.90	0.94	0.95	0.90	6.2
Ash	7.04	7.37	7.21	7.32	7.27	0.7
West Virginia						
Btu	13,300	13,344	13,000	13,346	13,454	-0.8
Sulfur	1.12	1.23	1.36	1.17	1.28	-8.9
Ash	8.20	8.10	9.59	8.05	8.26	-2.6
East South Central						
Btu	13,496	13,322	13,264	13,370	13,180	1.4
Sulfur	1.22	1.27	1.29	1.23	1.31	-6.1
Ash	7.11	7.27	7.82	7.27	7.62	-4.6
Alabama						
Btu	14,249	14,061	13,734	14,035	13,533	3.7
Sulfur	0.91	0.97	1.02	1.00	1.14	-12.5
Ash	6.53	7.12	8.21	6.94	8.17	-15.1
Kentucky						
Btu	12,972	12,853	12,752	12,888	12,814	0.6
Sulfur	1.59	1.50	1.47	1.37	1.36	0.9
Ash	7.48	6.99	7.73	7.29	7.32	-0.4
Mississippi						
Btu	14,835	14,679	14,742	14,738	14,725	0.1
Sulfur	0.77	0.80	0.88	0.79	0.81	-2.9
Ash	3.79	3.92	3.84	3.74	3.83	-2.2
Tennessee						
Btu	13,013	12,881	12,936	12,978	12,934	0.3
Sulfur	1.32	1.42	1.53	1.38	1.51	-8.1
Ash	7.67	7.88	7.66	7.82	7.44	5.2

Census division and state[1]	July - September 2023	April - June 2023	July - September 2022	Year to date 2023	Year to date 2022	Percent change
West South Central						
Btu	9,690	10,102	10,208	10,001	10,147	-1.4
Sulfur	0.79	0.63	0.70	0.68	0.65	6.0
Ash	8.44	7.97	7.98	8.16	7.74	5.4
Arkansas						
Btu	11,293	11,152	11,316	11,446	11,363	0.7
Sulfur	1.59	1.05	1.12	1.28	1.12	14.3
Ash	10.99	10.16	9.06	10.09	8.86	13.9
Louisiana						
Btu	7,489	7,489	7,489	7,489	7,489	s
Sulfur	0.51	0.52	0.52	0.51	0.54	-5.2
Ash	6.86	6.84	7.52	6.78	7.47	-9.3
Oklahoma						
Btu	10,796	9,840	12,135	10,248	11,332	-9.6
Sulfur	0.94	0.49	0.80	0.59	0.66	-10.6
Ash	8.34	6.61	7.68	7.17	7.29	-1.6
Texas						
Btu	11,444	11,687	11,579	11,553	11,623	-0.6
Sulfur	0.64	0.73	0.54	0.66	0.53	25.5
Ash	9.79	9.57	8.03	9.76	7.92	23.3
Mountain						
Btu	10,710	10,655	10,719	10,647	10,701	-0.5
Sulfur	0.61	0.61	0.54	0.58	0.51	14.5
Ash	6.87	6.64	6.54	6.71	6.57	2.2
Arizona						
Btu	11,403	11,565	11,318	11,363	11,585	-1.9
Sulfur	0.69	0.74	0.69	0.67	0.66	2.7
Ash	11.88	11.91	10.64	11.15	9.09	22.7
Colorado						
Btu	11,627	11,619	11,900	11,662	11,908	-2.1
Sulfur	0.65	0.57	0.53	0.56	0.56	1.0
Ash	11.29	12.14	8.22	10.99	8.22	33.6
Idaho						
Btu	11,905	11,626	12,084	11,704	12,350	-5.2
Sulfur	0.85	0.90	0.51	0.80	0.61	31.5
Ash	10.05	10.42	8.83	10.26	9.09	12.8
Montana						
Btu	9,529	9,947	9,681	9,648	9,436	2.2
Sulfur	0.43	0.42	0.38	0.40	0.34	16.1
Ash	5.71	5.54	5.54	5.48	5.24	4.5
Nevada						
Btu	11,399	11,088	11,432	11,321	11,493	-1.5
Sulfur	0.51	0.49	0.47	0.49	0.46	6.6
Ash	9.80	10.04	9.49	9.75	9.81	-0.6
New Mexico						
Btu	11,347	11,755	12,241	11,663	12,309	-5.2
Sulfur	0.78	0.71	0.67	0.75	0.66	12.9
Ash	13.01	13.53	9.60	13.02	9.52	36.7
Utah						
Btu	11,547	11,338	11,678	11,422	11,723	-2.6
Sulfur	0.48	0.49	0.41	0.48	0.44	8.8
Ash	8.59	8.98	10.14	9.05	10.62	-14.8
Wyoming						
Btu	10,252	10,126	10,122	10,153	10,064	0.9
Sulfur	0.64	0.66	0.57	0.62	0.51	20.6
Ash	3.92	3.59	4.08	3.94	4.30	-8.3
Pacific						
Btu	11,096	11,108	11,260	11,125	11,296	-1.5
Sulfur	0.71	0.57	0.40	0.57	0.42	34.9
Ash	10.54	10.21	7.82	9.60	8.03	19.5
California						

Census division and state[1]	July - September 2023	April - June 2023	July - September 2022	Year to date 2023	Year to date 2022	Percent change
Btu	11,196	11,205	11,359	11,233	11,420	-1.6
Sulfur	0.73	0.58	0.41	0.59	0.41	41.4
Ash	10.87	10.53	7.89	9.90	8.13	21.8
Oregon						
Btu	-	11,259	11,197	11,301	11,216	0.8
Sulfur	-	0.59	0.33	0.58	0.70	-16.8
Ash	-	11.71	9.73	11.55	10.48	10.2
Washington						
Btu	9,362	9,389	9,401	9,354	9,407	-0.6
Sulfur	0.34	0.35	0.33	0.33	0.35	-6.4
Ash	4.75	4.31	4.79	4.57	4.59	-0.3
U.S. Total						
Btu	12,122	11,864	11,777	11,938	11,744	1.7
Sulfur	0.95	0.96	1.00	0.95	1.01	-5.8
Ash	7.13	7.11	7.40	7.07	7.25	-2.4

1 Quality units are Btu (per pound); sulfur (percent by weight); and ash (percent by weight).
- = No data reported.

s = Absolute percentage less than 0.05.

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

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

Census division and state[1]	July - September 2023	April - June 2023	July - September 2022	Year to date 2023	Year to date 2022	Percent change
Middle Atlantic						
Btu	-	11,919	13,420	12,115	13,140	-7.8
Sulfur	-	0.59	1.06	0.60	0.81	-26.2
Ash	-	9.32	10.07	8.78	6.80	29.2
Pennsylvania						
Btu	-	11,919	13,420	12,115	13,140	-7.8
Sulfur	-	0.59	1.06	0.60	0.81	-26.2
Ash	-	9.32	10.07	8.78	6.80	29.2
East North Central						
Btu	11,059	11,164	11,051	11,145	11,130	0.1
Sulfur	3.15	3.12	3.12	3.02	2.99	1.2
Ash	10.28	9.73	10.22	9.90	9.93	-0.4
Illinois						
Btu	11,061	11,078	11,077	11,106	11,102	s
Sulfur	3.18	3.23	3.19	3.13	3.22	-2.8
Ash	10.36	9.69	9.98	9.93	9.94	-0.1
Indiana						
Btu	11,035	11,363	11,022	11,284	11,166	1.1
Sulfur	2.78	2.88	3.05	2.66	2.70	-1.6
Ash	8.92	9.82	10.48	9.76	9.92	-1.6
West North Central						
Btu	10,446	9,733	10,891	10,158	10,709	-5.1
Sulfur	2.30	0.65	2.37	1.27	2.23	-42.9
Ash	8.09	6.33	8.80	6.58	8.07	-18.4
Iowa						
Btu	11,173	10,452	11,302	10,952	11,208	-2.3
Sulfur	3.28	0.89	2.82	1.90	2.79	-31.7
Ash	9.26	7.06	9.36	7.70	8.81	-12.6
Minnesota						
Btu	-	9,464	9,406	9,496	8,756	8.4
Sulfur	-	0.32	0.33	0.32	0.28	12.9
Ash	-	4.16	4.33	4.18	4.70	-10.9
Missouri						
Btu	-	-	11,475	11,320	11,453	-1.2
Sulfur	-	-	3.05	3.09	3.04	1.8
Ash	-	-	8.99	8.60	8.87	-3.0
North Dakota						
Btu	9,090	8,874	9,103	9,071	9,101	-0.3
Sulfur	0.47	0.38	0.35	0.34	0.40	-14.4
Ash	5.90	5.60	6.80	5.21	5.98	-12.9
South Atlantic						
Btu	13,036	13,763	13,046	12,885	12,893	-0.1
Sulfur	1.32	0.78	1.64	1.18	1.55	-24.0
Ash	8.17	4.88	7.82	7.65	8.29	-7.7
North Carolina						
Btu	12,835	-	12,905	12,898	12,703	1.5
Sulfur	1.47	-	1.80	1.40	1.76	-20.2
Ash	9.05	-	8.45	9.24	9.06	2.0
Virginia						
Btu	13,779	13,763	13,926	12,865	13,549	-5.0
Sulfur	0.77	0.78	0.66	0.83	0.83	-0.1
Ash	4.90	4.88	3.83	5.22	5.67	-7.9
East South Central						
Btu	-	-	13,565	-	13,232	-
Sulfur	-	-	0.76	-	0.60	-
Ash	-	-	5.48	-	4.53	-
Kentucky						
Btu	-	-	13,565	-	13,232	-
Sulfur	-	-	0.76	-	0.60	-

Census division and state[1]	July - September 2023	April - June 2023	July - September 2022	Year to date 2023	Year to date 2022	Percent change
Ash	-	-	5.48	-	4.53	-
Mountain						
Btu	10,264	-	11,566	10,482	11,595	-9.6
Sulfur	0.53	-	0.47	0.52	0.45	14.5
Ash	9.03	-	12.20	9.51	10.63	-10.5
Montana						
Btu	10,264	-	-	10,264	-	-
Sulfur	0.53	-	-	0.53	-	-
Ash	9.03	-	-	9.03	-	-
Wyoming						
Btu	-	-	11,566	11,465	11,595	-1.1
Sulfur	-	-	0.47	0.45	0.45	s
Ash	-	-	12.20	11.70	10.63	10.1
Pacific						
Btu	7,659	7,622	7,582	7,624	7,535	1.2
Sulfur	0.14	0.12	0.24	0.12	0.17	-24.7
Ash	5.09	6.04	7.59	5.47	6.85	-20.2
Alaska						
Btu	7,659	7,622	7,582	7,624	7,535	1.2
Sulfur	0.14	0.12	0.24	0.12	0.17	-24.7
Ash	5.09	6.04	7.59	5.47	6.85	-20.2
U.S. Total						
Btu	8,544	8,422	9,024	8,668	9,008	-3.8
Sulfur	0.64	0.66	1.19	0.73	1.10	-33.4
Ash	6.06	6.67	8.29	6.40	7.72	-17.0

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.'