



# Quarterly Coal Report October–December 2023

April 2024

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## Contacts

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

If you have general 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 fourth-quarter 2023 QCR includes detailed quarterly coal data from October 2023 to December 2023 and aggregated quarterly historical coal data for 2017 through 2023.

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

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

(thousand short tons)

Year and quarter	Production <sup>1</sup>	Imports	Waste coal supplied	Producer and distributor stocks <sup>2</sup>	Consumption	Exports	Consumer stocks <sup>2</sup>	Losses and unaccounted for <sup>3</sup>
<b>2017</b>								
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	-
<b>Total</b>	<b>774,609</b>	<b>7,803</b>	<b>9,951</b>		<b>716,856</b>	<b>96,945</b>		<b>4,596</b>
<b>2018</b>								
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	-
<b>Total</b>	<b>756,167</b>	<b>5,954</b>	<b>10,431</b>		<b>688,105</b>	<b>116,244</b>		<b>5,363</b>
<b>2019</b>								
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	-
<b>Total</b>	<b>706,309</b>	<b>6,697</b>	<b>8,003</b>		<b>586,543</b>	<b>93,765</b>		<b>5,238</b>
<b>2020</b>								
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	-
<b>Total</b>	<b>535,434</b>	<b>5,137</b>	<b>6,880</b>		<b>476,693</b>	<b>69,067</b>		<b>7,129</b>
<b>2021</b>								
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	-
<b>Total</b>	<b>577,431</b>	<b>5,388</b>	<b>7,663</b>		<b>545,679</b>	<b>85,115</b>		<b>4,154</b>
<b>2022</b>								
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	-
<b>Total</b>	<b>594,155</b>	<b>6,313</b>	<b>8,934</b>		<b>515,534</b>	<b>85,956</b>		<b>9,296</b>
<b>2023</b>								
January - March	148,706	1,020	2,032	22,390*	101,696	24,620	113,267	-
April - June	142,338	1,014	1,854	22,092*	91,453	24,104	132,319	-
July - September	145,605	994	2,160	18,506*	131,997	24,887	121,207	-
October - December	140,836	981	2,269	18,427*	100,773	26,180	135,995	-
<b>Total</b>	<b>577,485</b>	<b>4,010</b>	<b>8,316</b>		<b>425,919</b>	<b>99,791</b>		<b>23,651</b>
<b>2022 January - December</b>	<b>594,155</b>	<b>6,313</b>	<b>8,934</b>		<b>515,534</b>	<b>85,956</b>		-
<b>2021 January - December</b>	<b>577,431</b>	<b>5,388</b>	<b>7,663</b>		<b>545,679</b>	<b>85,115</b>		-

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 <sup>1</sup>	Consumption <sup>2</sup>	Exports
<b>2017</b>					
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
<b>Total</b>	<b>12,948</b>	<b>58</b>		<b>11,815</b>	<b>1,212</b>
<b>2018</b>					
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
<b>Total</b>	<b>13,806</b>	<b>117</b>		<b>12,976</b>	<b>1,151</b>
<b>2019</b>					
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
<b>Total</b>	<b>12,870</b>	<b>116</b>		<b>11,932</b>	<b>967</b>
<b>2020</b>					
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
<b>Total</b>	<b>10,353</b>	<b>162</b>		<b>9,791</b>	<b>683</b>
<b>2021</b>					
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
<b>Total</b>	<b>12,545</b>	<b>117</b>		<b>10,708</b>	<b>2,083</b>
<b>2022</b>					
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
<b>Total</b>	<b>11,394</b>	<b>67</b>		<b>9,194</b>	<b>2,318</b>
<b>2023</b>					
January - March	2,822	6	374	2,450	304
April - June	2,801	82	200	2,705	352
July - September	2,818	52	161	2,466	444
October - December	2,795	65	149	2,463	409
<b>Total</b>	<b>11,236</b>	<b>206</b>		<b>10,085</b>	<b>1,508</b>
<b>2022 January - December</b>	<b>11,394</b>	<b>67</b>		<b>9,194</b>	<b>2,318</b>
<b>2021 January - December</b>	<b>12,545</b>	<b>117</b>		<b>10,708</b>	<b>2,083</b>

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

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

(thousand short tons)

<b>Year</b>	<b>January - March</b>	<b>April - June</b>	<b>July - September</b>	<b>October - December</b>	<b>Total</b>
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	140,836	577,485

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	October - December 2023	July - September 2023	October - December 2022	Year to date		Percent change
				2023	2022	
Alabama	3,152	3,240	2,566	12,043	10,460	15.1
Alaska	231	256	294	1,009	1,014	-0.5
Colorado	3,635	2,845	2,961	12,371	12,793	-3.3
Illinois	8,872	8,526	8,907	37,047	37,488	-1.2
Indiana	5,355	5,650	6,285	23,623	23,573	0.2
<b>Kentucky Total</b>	<b>6,397</b>	<b>6,778</b>	<b>7,125</b>	<b>28,011</b>	<b>28,474</b>	<b>-1.6</b>
Eastern (Kentucky)	2,764	2,877	3,099	12,078	12,044	0.3
Western (Kentucky)	3,633	3,901	4,027	15,933	16,430	-3.0
Louisiana	56	91	81	289	307	-6.0
Maryland	271	334	377	1,257	1,457	-13.7
Mississippi	857	638	764	2,685	3,369	-20.3
Missouri	34	35	24	140	74	90.0
Montana	7,411	7,102	6,503	29,072	28,233	3.0
New Mexico	1,402	2,256	2,292	7,987	10,550	-24.3
North Dakota	5,775	6,057	6,093	24,087	26,731	-9.9
Ohio	410	475	571	1,843	2,492	-26.0
Oklahoma	1	1	s	2	2	2.9
<b>Pennsylvania Total</b>	<b>11,043</b>	<b>10,394</b>	<b>10,256</b>	<b>42,571</b>	<b>39,753</b>	<b>7.1</b>
Anthracite (Pennsylvania)	726	851	630	2,808	2,357	19.1
Bituminous (Pennsylvania)	10,317	9,543	9,626	39,764	37,396	6.3
Tennessee	-	-	-	-	s	-
Texas	3,400	3,699	4,455	13,845	17,084	-19.0
Utah	1,532	1,774	2,158	6,921	10,723	-35.5
Virginia	2,340	2,401	2,770	10,504	10,822	-2.9
<b>West Virginia Total</b>	<b>19,656</b>	<b>20,323</b>	<b>20,512</b>	<b>84,597</b>	<b>83,481</b>	<b>1.3</b>
Northern (West Virginia)	10,256	10,691	11,548	44,620	46,983	-5.0
Southern (West Virginia)	9,400	9,632	8,963	39,977	36,499	9.5
Wyoming	58,941	62,684	60,587	237,261	244,730	-3.1
<b>Appalachia Total</b>	<b>39,637</b>	<b>40,042</b>	<b>40,151</b>	<b>164,894</b>	<b>160,510</b>	<b>2.7</b>
Appalachia Central	14,504	14,909	14,832	62,559	59,365	5.4
Appalachia Northern	21,981	21,893	22,753	90,292	90,685	-0.4
Appalachia Southern	3,152	3,240	2,566	12,043	10,460	15.1
<b>Interior Region Total</b>	<b>22,208</b>	<b>22,540</b>	<b>24,542</b>	<b>93,562</b>	<b>98,325</b>	<b>-4.8</b>
Illinois Basin	17,860	18,077	19,218	76,603	77,491	-1.1
Interior	4,348	4,463	5,324	16,960	20,834	-18.6
<b>Western Region Total</b>	<b>78,927</b>	<b>82,974</b>	<b>80,888</b>	<b>318,708</b>	<b>334,775</b>	<b>-4.8</b>
Powder River Basin	62,436	66,198	63,735	251,950	258,486	-2.5
Uinta Region	5,011	4,423	4,851	18,518	22,464	-17.6
Western	11,479	12,353	12,302	48,240	53,825	-10.4
<b>East of Mississippi River</b>	<b>58,354</b>	<b>58,758</b>	<b>60,133</b>	<b>244,182</b>	<b>241,369</b>	<b>1.2</b>
<b>West of Mississippi River</b>	<b>82,417</b>	<b>86,799</b>	<b>85,448</b>	<b>332,984</b>	<b>352,241</b>	<b>-5.5</b>
<b>U.S. Subtotal</b>	<b>140,771</b>	<b>145,557</b>	<b>145,581</b>	<b>577,165</b>	<b>593,610</b>	<b>-2.8</b>
<b>Refuse recovery</b>	<b>65</b>	<b>48</b>	<b>177</b>	<b>319</b>	<b>545</b>	<b>-41.4</b>
<b>U.S. Total</b>	<b>140,836</b>	<b>145,605</b>	<b>145,758</b>	<b>577,485</b>	<b>594,155</b>	<b>-2.8</b>

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	October - December 2023	July - September 2023	October - December 2022	Year to date		Percent change
				2023	2022	
Middle Atlantic	905	901	977	3,699	3,934	-6.0
East North Central	1,755	1,762	1,687	6,972	6,651	4.8
South Atlantic	151	153	150	598	737	-18.8
East South Central	110	115	122	450	547	-17.6
<b>U.S. Total</b>	<b>2,921</b>	<b>2,931</b>	<b>2,936</b>	<b>11,719</b>	<b>11,868</b>	<b>-1.3</b>
<b>Coke Total</b>	<b>2,795</b>	<b>2,818</b>	<b>2,832</b>	<b>11,236</b>	<b>11,394</b>	<b>-1.4</b>
<b>Breeze Total</b>	<b>126</b>	<b>113</b>	<b>104</b>	<b>483</b>	<b>474</b>	<b>1.9</b>

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

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

(thousand short tons)

Year	January - March		April - June		July - September		October - December		Total	
	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	26,180	981	99,791	4,010

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)

Year	January - March		April - June		July - September		October - December		Total	
	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	149.22	137.86	154.43	144.79

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
<b>2017</b>	<b>700</b>	<b>891,734</b>	<b>6,112,092</b>	<b>699,453</b>	<b>6,474</b>	<b>46</b>	<b>92,153</b>	<b>7,802,652</b>
<b>2018</b>	-	<b>770,364</b>	<b>4,060,581</b>	<b>915,188</b>	<b>28,624</b>	-	<b>179,398</b>	<b>5,954,155</b>
<b>2019</b>	-	<b>817,190</b>	<b>5,033,032</b>	<b>655,398</b>	<b>54,715</b>	-	<b>136,802</b>	<b>6,697,137</b>
<b>2020</b>	-	<b>448,719</b>	<b>3,655,196</b>	<b>639,982</b>	<b>109,814</b>	-	<b>283,659</b>	<b>5,137,370</b>
<b>2021</b>	-	<b>1,034,232</b>	<b>3,366,886</b>	<b>494,168</b>	<b>116,743</b>	-	<b>376,319</b>	<b>5,388,348</b>
<b>2022</b>								
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
<b>U.S. Total</b>	-	<b>1,772,643</b>	<b>4,043,767</b>	<b>137,554</b>	<b>219,112</b>	-	<b>140,391</b>	<b>6,313,467</b>
<b>2023</b>								
January - March	-	151,005	692,014	-	61,300	-	115,947	1,020,266
April - June	-	192,792	695,900	-	21,114	-	104,418	1,014,224
July - September	-	228,606	615,840	-	44,446	-	105,529	994,421
October - December	-	217,638	643,782	-	48,624	-	71,221	981,265
<b>U.S. Total</b>	-	<b>790,041</b>	<b>2,647,536</b>	-	<b>175,484</b>	-	<b>397,115</b>	<b>4,010,176</b>

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

<b>2017</b>	<b>74.89</b>	<b>189.83</b>	<b>64.39</b>	<b>64.11</b>	<b>97.33</b>	<b>103.33</b>	<b>132.12</b>	<b>79.53</b>
<b>2018</b>	-	<b>191.25</b>	<b>61.39</b>	<b>75.42</b>	<b>132.01</b>	-	<b>117.88</b>	<b>82.39</b>
<b>2019</b>	-	<b>184.33</b>	<b>62.77</b>	<b>67.10</b>	<b>96.13</b>	-	<b>148.37</b>	<b>80.04</b>
<b>2020</b>	-	<b>129.46</b>	<b>60.54</b>	<b>74.23</b>	<b>84.43</b>	-	<b>115.10</b>	<b>71.79</b>
<b>2021</b>	-	<b>157.70</b>	<b>69.12</b>	<b>65.76</b>	<b>132.31</b>	-	<b>130.74</b>	<b>91.49</b>
<b>2022</b>								
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
<b>U.S. Total</b>	-	<b>151.35</b>	<b>98.23</b>	<b>86.07</b>	<b>110.17</b>	-	<b>311.63</b>	<b>118.04</b>
<b>2023</b>								
January - March	-	250.43	114.36	-	122.31	-	220.64	147.05
April - June	-	290.46	103.04	-	70.91	-	225.71	150.63
July - September	-	241.17	99.25	-	88.90	-	211.60	143.34
October - December	-	238.29	101.69	-	104.71	-	180.60	137.86
<b>U.S. Total</b>	-	<b>254.18</b>	<b>104.79</b>	-	<b>102.79</b>	-	<b>212.39</b>	<b>144.79</b>

- = 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	October - December 2023	July - September 2023	October - December 2022	Year to date		Percent change
				2023	2022	
<b>North America Total</b>	<b>1,929,015</b>	<b>1,630,015</b>	<b>1,868,036</b>	<b>6,452,522</b>	<b>6,224,543</b>	<b>3.7</b>
Canada*	1,591,355	1,365,430	1,446,926	4,969,490	4,315,546	15.2
Dominican Republic	323,749	206,640	246,349	1,092,770	605,813	80.4
Guatemala	44	205	36,444	55,197	437,856	-87.4
Honduras	-	44,291	55,116	135,783	245,836	-44.8
Jamaica	-	-	-	3	71,748	-100.0
Mexico	13,584	13,354	83,091	138,172	404,231	-65.8
Trinidad and Tobago	161	43	33	60,889	128,615	-52.7
Other**	122	52	77	218	14,898	-98.5
<b>South America Total</b>	<b>1,757,373</b>	<b>1,941,141</b>	<b>1,493,190</b>	<b>8,244,583</b>	<b>7,619,577</b>	<b>8.2</b>
Argentina	44,554	188,951	12	506,960	318,201	59.3
Brazil	1,711,557	1,751,056	1,492,597	7,535,883	6,426,393	17.3
Chile	228	544	107	162,373	610,312	-73.4
Ecuador	547	45	-	36,978	119,199	-69.0
Peru	169	330	-	833	144,633	-99.4
Other**	318	215	474	1,556	839	85.5
<b>Europe Total</b>	<b>6,316,912</b>	<b>6,127,258</b>	<b>9,225,360</b>	<b>27,565,702</b>	<b>33,575,304</b>	<b>-17.9</b>
Austria	360,805	314,675	192,278	1,381,303	1,119,392	23.4
Belgium	181,887	295,012	207,469	1,082,191	633,355	70.9
Bosnia and Herzegovina	-	-	-	-	65,477	-
Croatia	237,315	418,628	187,035	1,265,896	1,335,041	-5.2
Denmark (Except Greenland)	-	-	-	67,845	110,839	-38.8
Finland	213,861	167,694	297,173	623,921	816,036	-23.5
France	295,571	338,051	789,410	1,471,477	1,827,364	-19.5
Germany, Federal Republic of	725,082	640,529	1,417,577	3,369,611	4,202,931	-19.8
Italy	359,189	248,162	313,170	1,768,249	1,426,263	24.0
Netherlands	2,307,118	2,264,865	3,757,599	9,750,484	12,170,282	-19.9
Norway	21,659	22,354	28,372	77,854	81,714	-4.7
Poland	415,139	518,750	697,797	1,931,870	2,533,605	-23.8
Romania	-	-	40,273	61,295	354,709	-82.7
Slovakia	-	-	-	-	62,233	-
Slovenia	-	-	-	-	121,086	-
Spain	248,440	278,135	251,344	1,174,732	1,115,117	5.3
Sweden	175,446	114,316	177,440	670,933	656,474	2.2
Turkey	601,049	389,039	242,665	1,738,277	1,903,969	-8.7
Ukraine	84,878	-	-	128,970	422,859	-69.5
United Kingdom	89,450	90,059	590,544	788,952	2,531,559	-68.8
Other**	23	26,989	35,214	211,842	84,999	149.2
<b>Asia Total</b>	<b>13,986,219</b>	<b>13,395,860</b>	<b>7,618,134</b>	<b>50,043,289</b>	<b>32,887,848</b>	<b>52.2</b>
China	1,543,569	1,762,735	476,739	6,446,371	2,915,102	121.1
India	7,779,336	6,229,319	3,909,572	24,799,186	16,251,656	52.6
Indonesia	264,338	274,560	104	848,856	156,156	443.6
Japan	2,691,194	2,886,043	2,289,284	9,931,526	8,074,561	23.0
Pakistan	-	-	-	-	64,506	-
Singapore	190,394	81,542	103,066	871,064	103,090	NM
South Korea (Republic of Korea)	942,117	1,800,342	837,346	5,961,564	5,226,136	14.1
Vietnam	149,665	115,325	2	372,164	87,387	325.9
Other**	425,606	245,994	2,021	812,558	9,254	NM
<b>Australia and Oceania Total</b>	<b>342</b>	<b>535</b>	<b>-</b>	<b>877</b>	<b>591</b>	<b>48.4</b>
Other**	342	535	-	877	591	48.4
<b>Africa Total</b>	<b>2,190,560</b>	<b>1,792,550</b>	<b>802,743</b>	<b>7,484,340</b>	<b>5,647,873</b>	<b>32.5</b>
Egypt	792,026	628,122	629,277	3,280,732	3,035,514	8.1
Morocco	1,398,250	1,084,262	146,683	3,911,040	2,323,353	68.3
South Africa	282	80,113	26,738	240,254	241,427	-0.5

Continent and country of destination	October - December 2023	July - September 2023	October - December 2022	Year to date		Percent change
				2023	2022	
Other**	2	53	45	52,314	47,579	10.0
<b>Total</b>	<b>26,180,421</b>	<b>24,887,359</b>	<b>21,007,463</b>	<b>99,791,313</b>	<b>85,955,736</b>	<b>16.1</b>

\* 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	October - December 2023	July - September 2023	October - December 2022	Year to date		Percent change
				2023	2022	
<b>North America Total</b>	<b>169.33</b>	<b>174.14</b>	<b>179.03</b>	<b>168.89</b>	<b>164.53</b>	<b>2.6</b>
Canada*	183.60	188.49	188.10	186.35	164.95	13.0
Dominican Republic	99.74	104.23	151.20	104.78	176.05	-40.5
Guatemala	499.07	322.81	287.76	101.33	184.31	-45.0
Honduras	-	63.52	90.72	81.85	85.48	-4.2
Jamaica	-	-	-	1,354.33	68.48	NM
Mexico	143.58	150.97	114.18	123.69	161.88	-23.6
Trinidad and Tobago	532.24	579.67	496.36	250.89	251.22	-0.1
Other**	890.88	309.63	427.77	634.65	82.35	NM
<b>South America Total</b>	<b>171.24</b>	<b>159.65</b>	<b>222.14</b>	<b>189.32</b>	<b>244.65</b>	<b>-22.6</b>
Argentina	102.28	147.16	582.83	157.45	269.17	-41.5
Brazil	172.94	160.82	221.91	194.41	252.32	-23.0
Chile	397.80	378.18	472.74	81.88	226.27	-63.8
Ecuador	133.69	2,100.00	-	55.30	50.04	10.5
Peru	616.37	360.18	-	424.92	84.97	400.1
Other**	357.35	315.83	872.14	172.16	684.01	-74.8
<b>Europe Total</b>	<b>187.73</b>	<b>155.95</b>	<b>208.74</b>	<b>183.80</b>	<b>232.05</b>	<b>-20.8</b>
Austria	262.28	211.48	232.02	234.04	312.42	-25.1
Belgium	236.75	178.41	214.10	189.70	239.54	-20.8
Bosnia and Herzegovina	-	-	-	-	420.14	-
Croatia	211.24	186.41	218.25	210.03	286.47	-26.7
Denmark (Except Greenland)	-	-	-	114.31	216.16	-47.1
Finland	199.20	180.38	235.83	214.86	301.91	-28.8
France	168.63	189.11	169.30	180.08	244.14	-26.2
Germany, Federal Republic of	174.98	119.23	194.95	159.46	208.04	-23.4
Italy	181.13	172.32	266.15	212.05	326.45	-35.0
Netherlands	164.22	126.71	199.46	158.34	199.85	-20.8
Norway	284.87	303.22	325.91	304.34	311.59	-2.3
Poland	217.87	203.08	234.38	224.16	249.97	-10.3
Romania	-	-	259.06	226.80	206.05	10.1
Slovakia	-	-	-	-	329.56	-
Slovenia	-	-	-	-	383.25	-
Spain	193.82	154.83	257.96	181.93	247.59	-26.5
Sweden	198.29	187.71	226.52	203.67	307.24	-33.7
Turkey	208.67	150.77	211.95	212.70	251.71	-15.5
Ukraine	114.31	-	-	152.76	324.98	-53.0
United Kingdom	224.48	196.06	227.80	202.27	190.68	6.1
Other**	1,740.61	187.20	246.21	184.83	179.29	3.1
<b>Asia Total</b>	<b>136.09</b>	<b>125.37</b>	<b>169.47</b>	<b>139.41</b>	<b>195.03</b>	<b>-28.5</b>
China	151.55	148.49	176.73	169.91	283.58	-40.1
India	136.84	130.15	161.98	139.09	206.11	-32.5
Indonesia	97.73	176.75	315.72	136.62	254.45	-46.3
Japan	161.45	127.86	171.55	152.97	186.42	-17.9
Pakistan	-	-	-	-	136.23	-
Singapore	31.75	158.76	263.08	187.76	263.10	-28.6
South Korea (Republic of Korea)	61.36	69.97	182.72	78.73	119.71	-34.2
Vietnam	143.11	141.12	1,323.00	145.29	325.82	-55.4
Other**	139.50	138.87	314.08	135.32	313.59	-56.8
<b>Australia and Oceania Total</b>	<b>326.82</b>	<b>325.35</b>	<b>-</b>	<b>325.92</b>	<b>312.18</b>	<b>4.4</b>
Other**	326.82	325.35	-	325.92	312.18	4.4
<b>Africa Total</b>	<b>86.60</b>	<b>91.59</b>	<b>170.13</b>	<b>95.74</b>	<b>119.75</b>	<b>-20.1</b>
Egypt	100.01	94.37	186.23	104.82	135.45	-22.6
Morocco	78.95	79.68	72.57	79.87	76.20	4.8
South Africa	316.72	230.84	326.49	221.39	321.22	-31.1

Continent and country of destination	October - December 2023	July - September 2023	October - December 2022	Year to date		Percent change
				2023	2022	
Other**	1,425.50	437.06	222.22	136.52	222.56	-38.7
<b>Total</b>	<b>149.22</b>	<b>136.34</b>	<b>191.33</b>	<b>154.43</b>	<b>206.74</b>	<b>-25.3</b>

\* 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	October - December 2023	July - September 2023	October - December 2022	Year to date		Percent change
				2023	2022	
<b>North America Total</b>	<b>656,854</b>	<b>442,518</b>	<b>796,547</b>	<b>2,704,266</b>	<b>2,843,435</b>	<b>-4.9</b>
Canada*	319,586	178,272	477,906	1,283,142	1,376,659	-6.8
Dominican Republic	323,749	206,640	180,567	1,092,770	502,552	117.4
Guatemala	44	205	70	55,197	338,432	-83.7
Honduras	-	44,291	55,116	135,783	245,836	-44.8
Jamaica	-	-	-	3	71,748	-100.0
Mexico	13,192	13,015	82,778	136,891	293,061	-53.3
Trinidad and Tobago	161	43	33	262	249	5.2
Other**	122	52	77	218	14,898	-98.5
<b>South America Total</b>	<b>161,064</b>	<b>239,291</b>	<b>3,054</b>	<b>1,049,474</b>	<b>1,438,302</b>	<b>-27.0</b>
Argentina	-	97,718	12	239,017	37,709	NM
Brazil	159,802	140,439	2,461	608,717	525,610	15.8
Chile	228	544	107	162,373	610,312	-73.4
Ecuador	547	45	-	36,978	119,199	-69.0
Peru	169	330	-	833	144,633	-99.4
Other**	318	215	474	1,556	839	85.5
<b>Europe Total</b>	<b>1,823,162</b>	<b>2,083,320</b>	<b>4,481,813</b>	<b>10,226,883</b>	<b>14,116,797</b>	<b>-27.6</b>
Belgium	45,098	165,860	55,759	582,176	103,213	464.1
Croatia	215	22	40,033	94,644	243,233	-61.1
Denmark (Except Greenland)	-	-	-	67,845	110,839	-38.8
Finland	-	-	50,564	-	73,602	-
France	61,033	34,148	478,406	375,617	521,281	-27.9
Germany, Federal Republic of	278,429	369,886	877,204	1,924,294	2,632,937	-26.9
Italy	69,616	60,970	63	427,239	213	NM
Netherlands	1,164,262	1,175,703	2,053,138	5,175,098	6,702,888	-22.8
Norway	8,718	8,577	8,818	36,367	17,636	106.2
Poland	84,437	9,130	336,312	343,441	998,732	-65.6
Romania	-	-	-	61,295	160,601	-61.8
Spain	54,236	106,873	159,803	495,608	395,105	25.4
Sweden	-	-	-	80,978	102,664	-21.1
Turkey	56,704	151,570	71,650	208,854	404,099	-48.3
United Kingdom	391	355	338,990	218,359	1,600,801	-86.4
Other**	23	226	11,073	135,068	48,953	175.9
<b>Asia Total</b>	<b>8,658,717</b>	<b>6,801,657</b>	<b>3,525,232</b>	<b>27,356,944</b>	<b>16,049,703</b>	<b>70.5</b>
China	727,478	74,976	61,229	1,204,797	234,819	413.1
India	5,073,488	3,690,070	1,910,227	15,555,789	7,811,471	99.1
Indonesia	167,364	88	104	235,239	72,641	223.8
Japan	1,343,732	1,547,649	1,016,161	4,793,559	3,908,780	22.6
Pakistan	-	-	-	-	64,506	-
Singapore	190,394	-	-	190,440	24	NM
South Korea (Republic of Korea)	805,635	1,427,666	535,488	4,824,186	3,946,328	22.2
Vietnam	114,942	1	2	115,085	1,880	NM
Other**	235,684	61,207	2,021	437,849	9,254	NM
<b>Australia and Oceania Total</b>	<b>342</b>	<b>535</b>	<b>-</b>	<b>877</b>	<b>591</b>	<b>48.4</b>
Other**	342	535	-	877	591	48.4
<b>Africa Total</b>	<b>2,190,560</b>	<b>1,731,483</b>	<b>802,743</b>	<b>7,160,368</b>	<b>5,029,005</b>	<b>42.4</b>
Egypt	792,026	628,122	629,277	3,158,645	2,631,044	20.1
Morocco	1,398,250	1,084,262	146,683	3,911,040	2,323,353	68.3
South Africa	282	19,046	26,738	38,369	27,029	42.0
Other**	2	53	45	52,314	47,579	10.0
<b>Total</b>	<b>13,490,699</b>	<b>11,298,804</b>	<b>9,609,389</b>	<b>48,498,812</b>	<b>39,477,833</b>	<b>22.9</b>

\* 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: 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	October - December 2023	July - September 2023	October - December 2022	Year to date		Percent change
				2023	2022	
<b>North America Total</b>	<b>141.21</b>	<b>147.64</b>	<b>147.15</b>	<b>144.34</b>	<b>131.03</b>	<b>10.2</b>
Canada*	182.62	218.30	156.44	188.58	123.39	52.8
Dominican Republic	99.74	104.23	154.67	104.78	183.80	-43.0
Guatemala	499.07	322.81	481.43	101.33	163.59	-38.1
Honduras	-	63.52	90.72	81.85	85.48	-4.2
Jamaica	-	-	-	1,354.33	68.48	NM
Mexico	142.64	150.36	113.95	123.21	94.60	30.2
Trinidad and Tobago	532.24	579.67	496.36	532.97	451.57	18.0
Other**	890.88	309.63	427.77	634.65	82.35	NM
<b>South America Total</b>	<b>156.79</b>	<b>97.75</b>	<b>368.54</b>	<b>131.16</b>	<b>159.90</b>	<b>-18.0</b>
Argentina	-	88.02	582.83	132.36	249.82	-47.0
Brazil	155.64	101.85	265.97	147.93	121.07	22.2
Chile	397.80	378.18	472.74	81.88	226.27	-63.8
Ecuador	133.69	2,100.00	-	55.30	50.04	10.5
Peru	616.37	360.18	-	424.92	84.97	400.1
Other**	357.35	315.83	872.14	172.16	684.01	-74.8
<b>Europe Total</b>	<b>127.23</b>	<b>101.86</b>	<b>161.61</b>	<b>122.86</b>	<b>133.70</b>	<b>-8.1</b>
Belgium	294.33	142.58	65.60	157.97	119.56	32.1
Croatia	156.29	762.09	63.83	126.28	73.35	72.2
Denmark (Except Greenland)	-	-	-	114.31	216.16	-47.1
Finland	-	-	245.10	-	256.12	-
France	204.72	75.30	137.88	119.46	146.30	-18.3
Germany, Federal Republic of	85.48	62.10	171.52	97.74	153.50	-36.3
Italy	69.53	112.54	682.67	132.03	547.87	-75.9
Netherlands	125.93	103.24	154.01	119.13	122.11	-2.4
Norway	99.79	90.72	239.49	165.40	239.50	-30.9
Poland	116.34	322.10	177.78	203.04	146.61	38.5
Romania	-	-	-	226.80	54.16	318.8
Spain	95.21	74.56	241.15	123.44	189.00	-34.7
Sweden	-	-	-	73.25	192.85	-62.0
Turkey	263.09	151.11	90.72	182.06	131.33	38.6
United Kingdom	237.18	316.88	188.90	106.03	126.70	-16.3
Other**	1,740.61	248.69	183.65	155.08	115.60	34.2
<b>Asia Total</b>	<b>92.12</b>	<b>77.26</b>	<b>97.16</b>	<b>87.81</b>	<b>93.46</b>	<b>-6.0</b>
China	123.93	227.60	68.87	128.65	132.08	-2.6
India	94.01	86.23	104.32	94.67	110.68	-14.5
Indonesia	73.67	700.57	315.72	106.07	64.28	65.0
Japan	105.24	77.91	61.23	93.05	96.58	-3.7
Pakistan	-	-	-	-	136.23	-
Singapore	31.75	-	-	31.82	322.33	-90.1
South Korea (Republic of Korea)	38.30	43.62	142.17	48.49	53.33	-9.1
Vietnam	113.33	7,088.00	1,323.00	113.61	55.16	106.0
Other**	113.98	119.67	314.08	115.58	313.59	-63.1
<b>Australia and Oceania Total</b>	<b>326.82</b>	<b>325.35</b>	<b>-</b>	<b>325.92</b>	<b>312.18</b>	<b>4.4</b>
Other**	326.82	325.35	-	325.92	312.18	4.4
<b>Africa Total</b>	<b>86.60</b>	<b>87.50</b>	<b>170.13</b>	<b>92.08</b>	<b>110.86</b>	<b>-16.9</b>
Egypt	100.01	94.37	186.23	104.20	137.24	-24.1
Morocco	78.95	79.68	72.57	79.87	76.20	4.8
South Africa	316.72	304.93	326.49	278.22	326.49	-14.8
Other**	1,425.50	437.06	222.22	136.52	222.56	-38.7
<b>Total</b>	<b>99.14</b>	<b>86.57</b>	<b>137.54</b>	<b>99.93</b>	<b>115.20</b>	<b>-13.3</b>

\* 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	October - December 2023	July - September 2023	October - December 2022	Year to date		Percent change
				2023	2022	
<b>North America Total</b>	<b>1,272,161</b>	<b>1,187,497</b>	<b>1,071,489</b>	<b>3,748,256</b>	<b>3,381,108</b>	<b>10.9</b>
Canada*	1,271,769	1,187,158	969,020	3,686,348	2,938,887	25.4
Dominican Republic	-	-	65,782	-	103,261	-
Guatemala	-	-	36,374	-	99,424	-
Mexico	392	339	313	1,281	111,170	-98.8
Trinidad and Tobago	-	-	-	60,627	128,366	-52.8
<b>South America Total</b>	<b>1,596,309</b>	<b>1,701,850</b>	<b>1,490,136</b>	<b>7,195,109</b>	<b>6,181,275</b>	<b>16.4</b>
Argentina	44,554	91,233	-	267,943	280,492	-4.5
Brazil	1,551,755	1,610,617	1,490,136	6,927,166	5,900,783	17.4
<b>Europe Total</b>	<b>4,493,750</b>	<b>4,043,938</b>	<b>4,743,547</b>	<b>17,338,819</b>	<b>19,458,507</b>	<b>-10.9</b>
Austria	360,805	314,675	192,278	1,381,303	1,119,392	23.4
Belgium	136,789	129,152	151,710	500,015	530,142	-5.7
Bosnia and Herzegovina	-	-	-	-	65,477	-
Croatia	237,100	418,606	147,002	1,171,252	1,091,808	7.3
Finland	213,861	167,694	246,609	623,921	742,434	-16.0
France	234,538	303,903	311,004	1,095,860	1,306,083	-16.1
Germany, Federal Republic of	446,653	270,643	540,373	1,445,317	1,569,994	-7.9
Italy	289,573	187,192	313,107	1,341,010	1,426,050	-6.0
Netherlands	1,142,856	1,089,162	1,704,461	4,575,386	5,467,394	-16.3
Norway	12,941	13,777	19,554	41,487	64,078	-35.3
Poland	330,702	509,620	361,485	1,588,429	1,534,873	3.5
Romania	-	-	40,273	-	194,108	-
Slovakia	-	-	-	-	62,233	-
Slovenia	-	-	-	-	121,086	-
Spain	194,204	171,262	91,541	679,124	720,012	-5.7
Sweden	175,446	114,316	177,440	589,955	553,810	6.5
Turkey	544,345	237,469	171,015	1,529,423	1,499,870	2.0
Ukraine	84,878	-	-	128,970	422,859	-69.5
United Kingdom	89,059	89,704	251,554	570,593	930,758	-38.7
Other**	-	26,763	24,141	76,774	36,046	113.0
<b>Asia Total</b>	<b>5,327,502</b>	<b>6,594,203</b>	<b>4,092,902</b>	<b>22,686,345</b>	<b>16,838,145</b>	<b>34.7</b>
China	816,091	1,687,759	415,510	5,241,574	2,680,283	95.6
India	2,705,848	2,539,249	1,999,345	9,243,397	8,440,185	9.5
Indonesia	96,974	274,472	-	613,617	83,515	NM
Japan	1,347,462	1,338,394	1,273,123	5,137,967	4,165,781	23.3
Singapore	-	81,542	103,066	680,624	103,066	NM
South Korea (Republic of Korea)	136,482	372,676	301,858	1,137,378	1,279,808	-11.1
Vietnam	34,723	115,324	-	257,079	85,507	200.7
Other**	189,922	184,787	-	374,709	-	-
<b>Africa Total</b>	<b>-</b>	<b>61,067</b>	<b>-</b>	<b>323,972</b>	<b>618,868</b>	<b>-47.7</b>
Egypt	-	-	-	122,087	404,470	-69.8
South Africa	-	61,067	-	201,885	214,398	-5.8
<b>Total</b>	<b>12,689,722</b>	<b>13,588,555</b>	<b>11,398,074</b>	<b>51,292,501</b>	<b>46,477,903</b>	<b>10.4</b>

\* 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	October - December 2023	July - September 2023	October - December 2022	Year to date		Percent change
				2023	2022	
<b>North America Total</b>	<b>183.85</b>	<b>184.02</b>	<b>202.73</b>	<b>186.61</b>	<b>192.70</b>	<b>-3.2</b>
Canada*	183.85	184.02	203.71	185.57	184.43	0.6
Dominican Republic	-	-	141.69	-	138.34	-
Guatemala	-	-	287.39	-	254.84	-
Mexico	175.36	174.47	172.63	174.93	339.23	-48.4
Trinidad and Tobago	-	-	-	249.68	250.83	-0.5
<b>South America Total</b>	<b>172.70</b>	<b>168.35</b>	<b>221.84</b>	<b>197.80</b>	<b>264.37</b>	<b>-25.2</b>
Argentina	102.28	210.50	-	179.84	271.78	-33.8
Brazil	174.72	165.97	221.84	198.50	264.01	-24.8
<b>Europe Total</b>	<b>212.27</b>	<b>183.81</b>	<b>253.27</b>	<b>219.74</b>	<b>303.41</b>	<b>-27.6</b>
Austria	262.28	211.48	232.02	234.04	312.42	-25.1
Belgium	217.76	224.43	268.68	226.64	262.90	-13.8
Bosnia and Herzegovina	-	-	-	-	420.14	-
Croatia	211.29	186.38	260.31	216.80	333.95	-35.1
Finland	199.20	180.38	233.93	214.86	306.45	-29.9
France	159.24	201.90	217.62	200.86	283.19	-29.1
Germany, Federal Republic of	230.77	197.30	232.99	241.63	299.51	-19.3
Italy	207.96	191.80	266.06	237.54	326.41	-27.2
Netherlands	203.22	152.05	254.22	202.68	295.16	-31.3
Norway	409.55	435.51	364.89	426.13	331.43	28.6
Poland	243.80	200.94	287.04	228.72	317.23	-27.9
Romania	-	-	259.06	-	331.72	-
Slovakia	-	-	-	-	329.56	-
Slovenia	-	-	-	-	383.25	-
Spain	221.35	204.92	287.31	224.61	279.73	-19.7
Sweden	198.29	187.71	226.52	221.58	328.44	-32.5
Turkey	203.00	150.56	262.74	216.89	284.15	-23.7
Ukraine	114.31	-	-	152.76	324.98	-53.0
United Kingdom	224.42	195.58	280.21	239.09	300.71	-20.5
Other**	-	186.68	274.91	237.19	265.78	-10.8
<b>Asia Total</b>	<b>207.56</b>	<b>174.98</b>	<b>231.75</b>	<b>201.63</b>	<b>291.85</b>	<b>-30.9</b>
China	176.17	144.97	192.63	179.39	296.86	-39.6
India	217.16	193.98	217.07	213.83	294.44	-27.4
Indonesia	139.26	176.58	-	148.33	419.86	-64.7
Japan	217.50	185.61	259.61	208.88	270.72	-22.8
Singapore	-	158.76	263.08	231.39	263.08	-12.0
South Korea (Republic of Korea)	197.46	170.89	254.66	207.00	324.41	-36.2
Vietnam	241.68	141.06	-	159.47	331.77	-51.9
Other**	171.18	145.23	-	158.38	-	-
<b>Africa Total</b>	<b>-</b>	<b>207.73</b>	<b>-</b>	<b>176.75</b>	<b>191.98</b>	<b>-7.9</b>
Egypt	-	-	-	120.79	123.82	-2.4
South Africa	-	207.73	-	210.59	320.56	-34.3
<b>Total</b>	<b>202.47</b>	<b>177.72</b>	<b>236.68</b>	<b>205.96</b>	<b>284.49</b>	<b>-27.6</b>

\* 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: 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	October - December 2023	July - September 2023	October - December 2022	Year to date		Percent change
				2023	2022	
<b>Eastern Total</b>	<b>17,631,335</b>	<b>16,226,712</b>	<b>13,998,771</b>	<b>66,205,361</b>	<b>54,317,568</b>	<b>21.9</b>
Baltimore, MD	7,670,794	6,499,470	5,299,595	27,921,061	19,579,829	42.6
Buffalo, NY	984,741	919,001	720,079	2,880,073	1,934,974	48.8
New York City, NY	1,312	1,557	1,641	8,137	9,386	-13.3
Norfolk, VA	8,909,166	8,723,844	7,831,681	34,899,821	32,240,992	8.2
Ogdensburg, NY	10,995	12,739	38,794	256,357	292,228	-12.3
Philadelphia, PA	54,321	70,101	106,981	239,788	259,702	-7.7
Portland, ME	6	-	-	45	72	-37.5
St. Albans, VT	-	-	-	79	385	-79.5
<b>Southern Total</b>	<b>6,117,061</b>	<b>5,807,360</b>	<b>5,414,346</b>	<b>24,072,430</b>	<b>23,010,902</b>	<b>4.6</b>
Charleston, SC	-	-	-	3	1	200.0
El Paso, TX	11,692	11,098	36,707	45,936	133,290	-65.5
Houston-Galveston, TX	67,313	66,958	171,445	409,022	947,954	-56.9
Laredo, TX	1,846	2,223	1,523	10,340	73,247	-85.9
Miami, FL	47	247	32	475	362	31.2
Mobile, AL	2,564,065	3,344,784	2,404,209	11,394,393	9,572,399	19.0
New Orleans, LA	3,471,208	2,381,135	2,800,154	12,207,316	12,281,253	-0.6
San Juan, PR	-	-	-	532	3	NM
Savannah, GA	35	2	69	339	598	-43.3
Tampa, FL	855	913	207	4,074	1,795	127.0
<b>Western Total</b>	<b>2,097,791</b>	<b>2,515,011</b>	<b>1,249,064</b>	<b>8,439,871</b>	<b>7,319,958</b>	<b>15.3</b>
Anchorage, AK	-	35,443	74	35,443	74	NM
Great Falls, MT	194	115	34,211	15,560	34,729	-55.2
Honolulu, HI	-	-	-	-	41	-
Los Angeles, CA	277,328	72,037	208,269	658,171	1,136,618	-42.1
Nogales, AZ	22	29	9,839	81,320	16,652	388.3
Portland, OR	-	-	-	-	89,477	-
San Diego, CA	24	4	50	559	150	272.7
San Francisco, CA	336,768	582,020	376,231	1,627,953	1,359,014	19.8
Seattle, WA	1,483,455	1,825,363	620,390	6,020,865	4,683,203	28.6
<b>Northern Total</b>	<b>331,848</b>	<b>337,962</b>	<b>335,932</b>	<b>1,066,287</b>	<b>1,290,492</b>	<b>-17.4</b>
Chicago, IL	-	30	33,055	30	46,205	-99.9
Cleveland, OH	67,396	224,011	236,508	602,797	1,045,639	-42.4
Detroit, MI	261,356	80,712	37,575	376,567	91,746	310.4
Duluth, MN	94	30,043	-	68,299	131	NM
Minneapolis, MN	-	-	26,834	-	90,825	-
Pembina, ND	3,002	3,166	1,960	18,594	15,946	16.6
<b>Other Ports</b>	<b>2,386</b>	<b>314</b>	<b>9,350</b>	<b>7,364</b>	<b>16,816</b>	<b>-56.2</b>
<b>Total</b>	<b>26,180,421</b>	<b>24,887,359</b>	<b>21,007,463</b>	<b>99,791,313</b>	<b>85,955,736</b>	<b>16.1</b>

- = 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	October - December 2023	July - September 2023	October - December 2022	Year to date		Percent change
				2023	2022	
<b>Eastern Total</b>	<b>7,118,015</b>	<b>5,868,226</b>	<b>4,936,054</b>	<b>25,569,636</b>	<b>16,651,524</b>	<b>53.6</b>
Baltimore, MD	5,608,593	4,224,555	3,233,504	18,867,873	11,542,085	63.5
Buffalo, NY	2,819	2,369	2,194	61,043	9,794	NM
New York City, NY	1,312	1,557	1,641	8,137	9,386	-13.3
Norfolk, VA	1,442,284	1,559,258	1,554,064	6,147,435	4,544,598	35.3
Ogdensburg, NY	8,680	10,386	37,670	245,315	285,712	-14.1
Philadelphia, PA	54,321	70,101	106,981	239,788	259,702	-7.7
Portland, ME	6	-	-	45	72	-37.5
St. Albans, VT	-	-	-	-	175	-
<b>Southern Total</b>	<b>4,228,191</b>	<b>2,845,464</b>	<b>3,329,000</b>	<b>14,293,897</b>	<b>15,206,028</b>	<b>-6.0</b>
Charleston, SC	-	-	-	3	1	200.0
El Paso, TX	11,692	11,098	36,633	45,936	133,216	-65.5
Houston-Galveston, TX	67,313	66,958	135,071	409,000	848,530	-51.8
Laredo, TX	1,454	1,884	1,284	9,059	71,700	-87.4
Miami, FL	47	247	32	473	362	30.7
Mobile, AL	793,760	727,761	441,464	3,012,724	2,245,519	34.2
New Orleans, LA	3,353,035	2,036,601	2,714,240	10,811,776	11,904,321	-9.2
San Juan, PR	-	-	-	532	3	NM
Savannah, GA	35	2	69	320	581	-44.9
Tampa, FL	855	913	207	4,074	1,795	127.0
<b>Western Total</b>	<b>2,097,791</b>	<b>2,515,011</b>	<b>1,249,064</b>	<b>8,439,871</b>	<b>7,319,932</b>	<b>15.3</b>
Anchorage, AK	-	35,443	74	35,443	74	NM
Great Falls, MT	194	115	34,211	15,560	34,707	-55.2
Honolulu, HI	-	-	-	-	41	-
Los Angeles, CA	277,328	72,037	208,269	658,171	1,136,618	-42.1
Nogales, AZ	22	29	9,839	81,320	16,652	388.3
Portland, OR	-	-	-	-	89,477	-
San Diego, CA	24	4	50	559	146	282.9
San Francisco, CA	336,768	582,020	376,231	1,627,953	1,359,014	19.8
Seattle, WA	1,483,455	1,825,363	620,390	6,020,865	4,683,203	28.6
<b>Northern Total</b>	<b>44,316</b>	<b>69,789</b>	<b>85,921</b>	<b>188,044</b>	<b>283,533</b>	<b>-33.7</b>
Chicago, IL	-	30	33,055	30	33,124	-99.9
Cleveland, OH	22	-	13,331	31	96,603	-100.0
Detroit, MI	41,198	36,560	37,575	101,234	73,738	37.3
Duluth, MN	94	30,043	-	68,299	131	NM
Minneapolis, MN	-	-	-	-	63,991	-
Pembina, ND	3,002	3,156	1,960	18,450	15,946	15.7
<b>Other Ports</b>	<b>2,386</b>	<b>314</b>	<b>9,350</b>	<b>7,364</b>	<b>16,816</b>	<b>-56.2</b>
<b>Total</b>	<b>13,490,699</b>	<b>11,298,804</b>	<b>9,609,389</b>	<b>48,498,812</b>	<b>39,477,833</b>	<b>22.9</b>

- = 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	October - December 2023	July - September 2023	October - December 2022	Year to date		Percent change
				2023	2022	
<b>Eastern Total</b>	<b>10,513,320</b>	<b>10,358,486</b>	<b>9,062,717</b>	<b>40,635,725</b>	<b>37,666,044</b>	<b>7.9</b>
Baltimore, MD	2,062,201	2,274,915	2,066,091	9,053,188	8,037,744	12.6
Buffalo, NY	981,922	916,632	717,885	2,819,030	1,925,180	46.4
Norfolk, VA	7,466,882	7,164,586	6,277,617	28,752,386	27,696,394	3.8
Ogdensburg, NY	2,315	2,353	1,124	11,042	6,516	69.5
St. Albans, VT	-	-	-	79	210	-62.4
<b>Southern Total</b>	<b>1,888,870</b>	<b>2,961,896</b>	<b>2,085,346</b>	<b>9,778,533</b>	<b>7,804,874</b>	<b>25.3</b>
El Paso, TX	-	-	74	-	74	-
Houston-Galveston, TX	-	-	36,374	22	99,424	-100.0
Laredo, TX	392	339	239	1,281	1,547	-17.2
Miami, FL	-	-	-	2	-	-
Mobile, AL	1,770,305	2,617,023	1,962,745	8,381,669	7,326,880	14.4
New Orleans, LA	118,173	344,534	85,914	1,395,540	376,932	270.2
Savannah, GA	-	-	-	19	17	11.8
<b>Western Total</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>26</b>	<b>-</b>
Great Falls, MT	-	-	-	-	22	-
San Diego, CA	-	-	-	-	4	-
<b>Northern Total</b>	<b>287,532</b>	<b>268,173</b>	<b>250,011</b>	<b>878,243</b>	<b>1,006,959</b>	<b>-12.8</b>
Chicago, IL	-	-	-	-	13,081	-
Cleveland, OH	67,374	224,011	223,177	602,766	949,036	-36.5
Detroit, MI	220,158	44,152	-	275,333	18,008	NM
Minneapolis, MN	-	-	26,834	-	26,834	-
Pembina, ND	-	10	-	144	-	-
<b>Total</b>	<b>12,689,722</b>	<b>13,588,555</b>	<b>11,398,074</b>	<b>51,292,501</b>	<b>46,477,903</b>	<b>10.4</b>

- = No data reported.

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

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

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

**Table 16. U.S. coke exports**

(short tons)

Continent and country of destination	October - December 2023	July - September 2023	October - December 2022	Year to date		Percent change
				2023	2022	
<b>North America Total</b>	<b>331,789</b>	<b>343,017</b>	<b>325,170</b>	<b>1,205,310</b>	<b>1,254,171</b>	<b>-3.9</b>
Canada*	289,195	295,888	295,394	1,002,714	1,049,747	-4.5
Mexico	41,206	46,009	29,582	199,591	203,441	-1.9
Other**	1,388	1,120	194	3,005	983	205.7
<b>South America Total</b>	<b>54,378</b>	<b>100,671</b>	<b>143,260</b>	<b>248,762</b>	<b>310,109</b>	<b>-19.8</b>
Brazil	54,315	100,651	143,239	248,658	309,944	-19.8
Other**	63	20	21	104	165	-37.0
<b>Europe Total</b>	<b>22,163</b>	<b>50</b>	<b>37,445</b>	<b>52,779</b>	<b>752,471</b>	<b>-93.0</b>
Belgium	22,046	-	-	22,046	142,038	-84.5
Netherlands	-	-	20,761	-	243,038	-
Other**	117	50	5,661	419	132,762	-99.7
Spain	-	-	11,023	30,314	131,848	-77.0
United Kingdom	-	-	-	-	102,785	-
<b>Asia Total</b>	<b>191</b>	<b>86</b>	<b>11</b>	<b>1,206</b>	<b>1,187</b>	<b>1.6</b>
Other**	191	86	11	1,206	1,187	1.6
<b>Australia and Oceania Total</b>	<b>45</b>	<b>38</b>	<b>44</b>	<b>151</b>	<b>501</b>	<b>-69.9</b>
Other**	45	38	44	151	501	-69.9
<b>Total</b>	<b>408,566</b>	<b>443,862</b>	<b>505,930</b>	<b>1,508,208</b>	<b>2,318,439</b>	<b>-34.9</b>

\* 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	October - December 2023	July - September 2023	October - December 2022	Year to date		Percent change
				2023	2022	
<b>North America Total</b>	<b>412.38</b>	<b>349.29</b>	<b>389.28</b>	<b>396.65</b>	<b>372.74</b>	<b>6.4</b>
Canada*	413.87	330.99	392.43	390.70	363.54	7.5
Mexico	409.02	471.09	356.45	428.31	418.94	2.2
Other**	203.33	180.20	591.26	279.53	634.54	-55.9
<b>South America Total</b>	<b>226.81</b>	<b>394.71</b>	<b>448.11</b>	<b>380.66</b>	<b>356.23</b>	<b>6.9</b>
Brazil	226.80	394.63	448.07	380.63	356.12	6.9
Other**	240.48	812.65	747.62	458.23	550.79	-16.8
<b>Europe Total</b>	<b>174.66</b>	<b>733.66</b>	<b>200.88</b>	<b>203.60</b>	<b>284.34</b>	<b>-28.4</b>
Belgium	172.37	-	-	172.37	375.16	-54.1
Netherlands	-	-	215.00	-	294.95	-
Other**	605.86	733.66	186.94	496.92	204.66	142.8
Spain	-	-	181.44	222.26	219.36	1.3
United Kingdom	-	-	-	-	320.04	-
<b>Asia Total</b>	<b>594.11</b>	<b>867.98</b>	<b>389.82</b>	<b>527.99</b>	<b>725.24</b>	<b>-27.2</b>
Other**	594.11	867.98	389.82	527.99	725.24	-27.2
<b>Australia and Oceania Total</b>	<b>256.00</b>	<b>475.95</b>	<b>216.36</b>	<b>310.50</b>	<b>288.44</b>	<b>7.6</b>
Other**	256.00	475.95	216.36	310.50	288.44	7.6
<b>Total</b>	<b>374.86</b>	<b>359.75</b>	<b>391.98</b>	<b>387.36</b>	<b>342.00</b>	<b>13.3</b>

\* 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	October - December 2023	July - September 2023	October - December 2022	Year to date		Percent change
				2023	2022	
<b>North America Total</b>	<b>217,810</b>	<b>228,794</b>	<b>337,128</b>	<b>793,279</b>	<b>1,780,407</b>	<b>-55.4</b>
Canada	217,638	228,606	330,036	790,041	1,772,643	-55.4
Mexico	172	188	7,092	3,238	7,764	-58.3
<b>South America Total</b>	<b>713,147</b>	<b>652,033</b>	<b>933,203</b>	<b>2,830,974</b>	<b>4,074,452</b>	<b>-30.5</b>
Colombia	643,782	615,840	902,518	2,647,536	4,043,767	-34.5
Peru	69,365	36,193	30,685	183,438	30,685	497.8
<b>Europe Total</b>	<b>67</b>	<b>32,772</b>	<b>57,903</b>	<b>102,449</b>	<b>74,660</b>	<b>37.2</b>
Belgium	-	-	36,927	-	36,927	-
France	-	-	-	-	402	-
Germany, Federal Republic of	67	-	-	67	-	-
Ireland	-	32,772	20,976	102,380	20,976	388.1
Spain	-	-	-	-	16,355	-
United Kingdom	-	-	-	2	-	-
<b>Asia Total</b>	<b>50,238</b>	<b>44,446</b>	<b>57,066</b>	<b>177,098</b>	<b>356,666</b>	<b>-50.3</b>
China	48,624	44,446	57,066	175,484	219,112	-19.9
Indonesia	-	-	-	-	137,554	-
Japan	1,614	-	-	1,614	-	-
<b>Africa Total</b>	<b>3</b>	<b>36,376</b>	<b>-</b>	<b>106,376</b>	<b>27,282</b>	<b>289.9</b>
South Africa	3	36,376	-	106,376	27,282	289.9
<b>Total</b>	<b>981,265</b>	<b>994,421</b>	<b>1,385,300</b>	<b>4,010,176</b>	<b>6,313,467</b>	<b>-36.5</b>

- = No data reported.

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

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

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

(dollars per short ton)

Continent and country of origin	October - December 2023	July - September 2023	October - December 2022	Year to date		Percent change
				2023	2022	
<b>North America Total</b>	<b>238.15</b>	<b>241.05</b>	<b>212.96</b>	<b>253.75</b>	<b>151.47</b>	<b>67.5</b>
Canada	238.29	241.17	213.73	254.18	151.35	67.9
Mexico	66.10	94.95	177.17	149.42	178.12	-16.1
<b>South America Total</b>	<b>109.66</b>	<b>105.16</b>	<b>105.55</b>	<b>111.17</b>	<b>99.18</b>	<b>12.1</b>
Colombia	101.69	99.25	101.51	104.79	98.23	6.7
Peru	183.58	205.56	224.41	203.32	224.41	-9.4
<b>Europe Total</b>	<b>75.22</b>	<b>176.90</b>	<b>348.32</b>	<b>176.86</b>	<b>387.39</b>	<b>-54.3</b>
Belgium	-	-	364.12	-	364.12	-
France	-	-	-	-	75.00	-
Germany, Federal Republic of	75.22	-	-	75.22	-	-
Ireland	-	176.90	320.50	176.90	320.50	-44.8
Spain	-	-	-	-	533.41	-
United Kingdom	-	-	-	1,633.50	-	-
<b>Asia Total</b>	<b>103.47</b>	<b>88.90</b>	<b>102.90</b>	<b>102.45</b>	<b>100.88</b>	<b>1.6</b>
China	104.71	88.90	102.90	102.79	110.17	-6.7
Indonesia	-	-	-	-	86.07	-
Japan	65.95	-	-	65.95	-	-
<b>Africa Total</b>	<b>1,818.00</b>	<b>249.48</b>	<b>-</b>	<b>266.39</b>	<b>240.41</b>	<b>10.8</b>
South Africa	1,818.00	249.48	-	266.39	240.41	10.8
<b>U.S. Total*</b>	<b>137.86</b>	<b>143.34</b>	<b>141.73</b>	<b>144.79</b>	<b>118.04</b>	<b>22.7</b>

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

- = No data reported.

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

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

**Table 20. Coal imports by customs district**

(short tons)

Customs district	October - December 2023	July - September 2023	October - December 2022	Year to date		Percent change
				2023	2022	
<b>Eastern Total</b>	<b>14</b>	<b>20</b>	<b>57</b>	<b>47,042</b>	<b>48,047</b>	<b>-2.1</b>
Boston, MA	-	-	-	-	402	-
Buffalo, NY	14	-	36	119	263	-54.8
Portland, ME	-	-	-	46,903	47,340	-0.9
St. Albans, VT	-	20	21	20	42	-52.4
<b>Southern Total</b>	<b>738,386</b>	<b>763,434</b>	<b>1,055,264</b>	<b>3,140,436</b>	<b>4,339,173</b>	<b>-27.6</b>
Houston-Galveston, TX	42,479	24,514	-	98,935	6,520	NM
Laredo, TX	172	188	7,092	3,238	7,764	-58.3
Miami, FL	70	-	-	277	244	13.5
Mobile, AL	497,699	226,164	670,933	1,477,176	2,357,667	-37.3
New Orleans, LA	4,336	90,120	124,678	219,910	279,960	-21.4
San Juan, PR	193,630	389,676	177,243	1,238,520	1,430,309	-13.4
Tampa, FL	-	32,772	75,318	102,380	256,709	-60.1
<b>Western Total</b>	<b>118,613</b>	<b>129,839</b>	<b>185,191</b>	<b>468,452</b>	<b>1,535,073</b>	<b>-69.5</b>
Great Falls, MT	116,397	129,109	184,148	463,675	1,278,747	-63.7
Honolulu, HI	-	-	-	-	252,993	-
San Francisco, CA	-	-	-	3	-	-
Seattle, WA	2,216	730	1,043	4,774	3,333	43.2
<b>Northern Total</b>	<b>124,252</b>	<b>101,128</b>	<b>144,788</b>	<b>354,246</b>	<b>391,174</b>	<b>-9.4</b>
Chicago, IL	23,627	2,429	-	31,232	30,355	2.9
Cleveland, OH	1,614	-	-	1,686	9	NM
Detroit, MI	83,890	87,066	131,822	257,964	293,656	-12.2
Duluth, MN	1,675	837	528	5,704	2,204	158.8
Pembina, ND	13,446	10,796	12,438	57,658	64,950	-11.2
St. Louis, MO	-	-	-	2	-	-
<b>Total</b>	<b>981,265</b>	<b>994,421</b>	<b>1,385,300</b>	<b>4,010,176</b>	<b>6,313,467</b>	<b>-36.5</b>

- = 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	October - December 2023	July - September 2023	October - December 2022	Year to date		Percent change
				2023	2022	
<b>North America Total</b>	<b>14,597</b>	<b>27,164</b>	<b>537</b>	<b>81,751</b>	<b>11,145</b>	<b>NM</b>
Canada	14,597	27,164	537	81,751	11,145	NM
<b>South America Total</b>	-	-	-	<b>14,793</b>	-	-
Brazil	-	-	-	110	-	-
Colombia	-	-	-	14,683	-	-
<b>Europe Total</b>	<b>45,512</b>	<b>23,186</b>	<b>17,357</b>	<b>90,000</b>	<b>34,784</b>	<b>158.7</b>
Czech Republic	22,697	23,165	17,349	45,862	34,713	32.1
Germany, Federal Republic of	-	21	2	22	2	NM
Netherlands	-	-	-	-	21	-
Poland	22,815	-	-	44,090	-	-
United Kingdom	-	-	6	26	48	-45.8
<b>Asia Total</b>	<b>1</b>	<b>29</b>	<b>1</b>	<b>530</b>	<b>1,941</b>	<b>-72.7</b>
China	-	29	-	137	1,872	-92.7
India	-	-	-	45	68	-33.8
Indonesia	-	-	-	13	-	-
Japan	1	-	1	4	1	300.0
United Arab Emirates	-	-	-	331	-	-
<b>Africa Total</b>	<b>5,069</b>	<b>2,094</b>	<b>4,098</b>	<b>18,813</b>	<b>19,523</b>	<b>-3.6</b>
Mozambique	-	-	217	110	892	-87.7
South Africa	5,069	2,094	3,881	18,703	18,631	0.4
<b>U.S. Total</b>	<b>65,179</b>	<b>52,473</b>	<b>21,993</b>	<b>205,887</b>	<b>67,393</b>	<b>205.5</b>

- = 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	October - December 2023	July - September 2023	October - December 2022	Year to date		Percent change
				2023	2022	
<b>North America Total</b>	<b>381.01</b>	<b>493.42</b>	<b>350.64</b>	<b>419.88</b>	<b>438.47</b>	<b>-4.2</b>
Canada	381.01	493.42	350.64	419.88	438.47	-4.2
<b>South America Total</b>	-	-	-	<b>352.18</b>	-	-
Brazil	-	-	-	740.32	-	-
Colombia	-	-	-	349.28	-	-
<b>Europe Total</b>	<b>456.78</b>	<b>454.64</b>	<b>456.89</b>	<b>463.96</b>	<b>457.39</b>	<b>1.4</b>
Czech Republic	436.01	454.47	456.41	445.33	456.40	-2.4
Germany, Federal Republic of	-	642.29	1,360.50	717.23	1,360.50	-47.3
Netherlands	-	-	-	-	416.19	-
Poland	477.44	-	-	482.50	-	-
United Kingdom	-	-	1,550.00	1,669.23	1,154.38	44.6
<b>Asia Total</b>	<b>7,395.00</b>	<b>1,022.76</b>	<b>5,610.00</b>	<b>904.77</b>	<b>1,759.82</b>	<b>-48.6</b>
China	-	1,022.76	-	1,783.07	1,780.78	0.1
India	-	-	-	933.78	1,126.19	-17.1
Indonesia	-	-	-	2,788.46	-	-
Japan	7,395.00	-	5,610.00	4,429.00	5,610.00	-21.1
United Arab Emirates	-	-	-	420.73	-	-
<b>Africa Total</b>	<b>634.87</b>	<b>869.33</b>	<b>604.75</b>	<b>696.04</b>	<b>514.81</b>	<b>35.2</b>
Mozambique	-	-	448.92	469.64	406.67	15.5
South Africa	634.87	869.33	613.46	697.37	519.99	34.1
<b>U.S. Total</b>	<b>453.77</b>	<b>491.58</b>	<b>482.08</b>	<b>460.77</b>	<b>508.41</b>	<b>-9.4</b>

- = 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

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**Table 23. Coal receipts at coke plants by census division**

(thousand short tons)

Census division	October - December 2023	July - September 2023	October - December 2022	Year to date		Percent change
				2023	2022	
Middle Atlantic	1,148	1,186	1,308	5,015	5,475	-8.4
East North Central	2,429	2,443	2,342	9,433	9,113	3.5
South Atlantic	210	193	188	792	849	-6.8
East South Central	94	158	139	509	616	-17.4
<b>U.S. Total</b>	<b>3,882</b>	<b>3,980</b>	<b>3,977</b>	<b>15,748</b>	<b>16,053</b>	<b>-1.9</b>

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 &amp; 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	October - December 2023	July - September 2023	October - December 2022	Year to date		Percent change
				2023	2022	
Middle Atlantic	w	w	w	w	w	w
East North Central	231.30	221.86	214.02	227.42	211.51	7.5
South Atlantic	w	w	w	w	w	w
East South Central	w	w	w	w	w	w
<b>U.S. Total</b>	<b>214.74</b>	<b>210.29</b>	<b>199.89</b>	<b>211.60</b>	<b>195.61</b>	<b>8.2</b>

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 &amp; 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	October - December 2023	July - September 2023	October - December 2022	Year to date		Percent change
				2023	2022	
<b>Coke</b>						
Sales	3,110	3,139	3,428	10,964	10,101	8.5
Average Price	221.78	228.51	215.56	256.02	278.18	-8.0
<b>Breeze</b>						
Sales	215	200	232	776	664	16.8
Average Price	93.87	73.94	56.03	87.65	74.04	18.4

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

Source: U.S. Energy Information Administration (EIA), Form EIA-3, 'Quarterly Survey of Industrial, Commercial &amp; 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	October - December 2023	July - September 2023	October - December 2022	Year to date		Percent change
				2023	2022	
<b>Middle Atlantic</b>	<b>133</b>	<b>125</b>	<b>178</b>	<b>599</b>	<b>720</b>	<b>-16.9</b>
New York	32	38	72	189	266	-29.0
Pennsylvania	101	86	106	410	454	-9.8
<b>East North Central</b>	<b>976</b>	<b>971</b>	<b>1,096</b>	<b>3,883</b>	<b>4,182</b>	<b>-7.2</b>
Illinois	395	449	443	1,735	1,855	-6.5
Indiana	262	291	319	1,114	1,219	-8.6
Michigan	128	107	113	395	285	38.9
Ohio	80	80	84	341	377	-9.6
Wisconsin	112	45	137	298	446	-33.3
<b>West North Central</b>	<b>2,268</b>	<b>2,056</b>	<b>2,646</b>	<b>9,655</b>	<b>11,289</b>	<b>-14.5</b>
Iowa	519	588	553	2,164	2,329	-7.1
Kansas	27	29	19	120	93	29.1
Minnesota	260	129	234	933	870	7.3
Missouri	188	200	227	807	890	-9.3
Nebraska	161	111	221	677	970	-30.2
North Dakota	1,047	930	1,319	4,686	5,858	-20.0
South Dakota	66	68	73	269	280	-4.1
<b>South Atlantic</b>	<b>279</b>	<b>325</b>	<b>503</b>	<b>1,413</b>	<b>2,029</b>	<b>-30.3</b>
Florida	7	15	34	78	177	-56.0
Georgia	48	42	56	196	246	-20.5
Maryland	82	101	122	353	443	-20.2
North Carolina	30	25	107	188	394	-52.3
South Carolina	11	18	23	78	105	-25.4
Virginia	54	54	102	292	402	-27.4
West Virginia	47	69	58	229	262	-12.8
<b>East South Central</b>	<b>585</b>	<b>545</b>	<b>663</b>	<b>2,328</b>	<b>2,708</b>	<b>-14.0</b>
Alabama	116	94	148	442	665	-33.5
Kentucky	158	161	201	686	827	-17.0
Mississippi	18	18	16	80	72	11.0
Tennessee	293	271	298	1,120	1,145	-2.1
<b>West South Central</b>	<b>218</b>	<b>196</b>	<b>227</b>	<b>987</b>	<b>981</b>	<b>0.6</b>
Arkansas	32	25	34	139	138	0.5
Louisiana	70	76	81	280	330	-15.2
Oklahoma	28	51	41	277	227	22.1
Texas	89	44	71	291	285	2.0
<b>Mountain</b>	<b>643</b>	<b>614</b>	<b>701</b>	<b>2,434</b>	<b>2,626</b>	<b>-7.3</b>
Arizona	83	81	51	284	244	16.4
Colorado	41	21	56	152	161	-5.9
Idaho	7	14	12	36	40	-9.3
Montana	83	61	92	238	229	3.9
Nevada	56	45	53	178	240	-25.7
New Mexico	18	18	17	64	62	3.1
Utah	76	82	86	307	323	-5.0
Wyoming	279	292	334	1,175	1,327	-11.4
<b>Pacific</b>	<b>395</b>	<b>309</b>	<b>353</b>	<b>1,394</b>	<b>1,449</b>	<b>-3.8</b>
Alaska	s	s	s	1	1	s
California	343	292	330	1,277	1,314	-2.8
Oregon	35	-	9	41	58	-29.1
Washington	17	17	14	74	76	-2.1
<b>U.S. Total</b>	<b>5,498</b>	<b>5,139</b>	<b>6,367</b>	<b>22,693</b>	<b>25,983</b>	<b>-12.7</b>

- = 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 &amp; 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	October - December 2023	July - September 2023	October - December 2022	Year to date		Percent change
				2023	2022	
<b>Middle Atlantic</b>	<b>127.17</b>	<b>133.50</b>	<b>108.33</b>	<b>128.78</b>	<b>103.11</b>	<b>24.9</b>
New York	w	w	w	w	w	w
Pennsylvania	w	w	w	w	w	w
<b>East North Central</b>	<b>109.14</b>	<b>107.50</b>	<b>89.51</b>	<b>107.51</b>	<b>82.93</b>	<b>29.6</b>
Illinois	w	w	w	w	w	w
Indiana	w	w	w	w	w	w
Michigan	122.41	149.03	141.01	131.65	116.35	13.1
Ohio	155.09	161.64	124.67	158.31	127.09	24.6
Wisconsin	103.49	92.93	85.31	101.42	91.69	10.6
<b>West North Central</b>	<b>35.04</b>	<b>36.50</b>	<b>34.07</b>	<b>35.47</b>	<b>31.17</b>	<b>13.8</b>
Iowa	w	w	33.39	w	w	w
Kansas	w	w	w	w	w	w
Minnesota	54.19	54.31	56.84	55.44	54.18	2.3
Missouri	76.36	85.78	72.44	81.86	62.41	31.2
Nebraska	w	w	25.40	w	w	w
North Dakota	w	w	w	w	w	w
South Dakota	w	w	w	w	w	w
<b>South Atlantic</b>	<b>173.15</b>	<b>173.84</b>	<b>160.04</b>	<b>170.35</b>	<b>144.95</b>	<b>17.5</b>
Florida	w	w	181.31	w	w	w
Georgia	w	230.87	w	w	196.69	w
Maryland	w	w	w	w	w	w
North Carolina	190.64	188.76	194.84	187.07	149.70	25.0
South Carolina	203.23	175.57	178.28	199.21	142.14	40.2
Virginia	158.65	190.68	138.06	163.66	130.79	25.1
West Virginia	w	w	w	w	w	w
<b>East South Central</b>	<b>140.55</b>	<b>162.35</b>	<b>134.23</b>	<b>154.03</b>	<b>128.77</b>	<b>19.6</b>
Alabama	w	w	w	w	w	w
Kentucky	150.55	157.00	138.93	155.96	133.56	16.8
Mississippi	w	w	w	w	w	w
Tennessee	113.87	148.84	114.94	134.56	114.59	17.4
<b>West South Central</b>	<b>115.44</b>	<b>97.82</b>	<b>92.10</b>	<b>104.65</b>	<b>87.41</b>	<b>19.7</b>
Arkansas	w	w	w	w	w	w
Louisiana	w	w	w	w	w	w
Oklahoma	w	138.33	118.84	w	w	w
Texas	136.28	132.64	114.56	128.63	103.74	24.0
<b>Mountain</b>	<b>79.83</b>	<b>81.13</b>	<b>71.30</b>	<b>78.18</b>	<b>68.78</b>	<b>13.7</b>
Arizona	w	w	w	w	w	w
Colorado	w	w	w	w	w	w
Idaho	w	120.07	186.91	w	w	w
Montana	53.69	69.27	51.28	65.06	53.08	22.6
Nevada	w	w	114.18	w	w	w
New Mexico	w	w	w	w	w	w
Utah	105.16	85.05	68.57	88.13	59.63	47.8
Wyoming	57.48	58.11	59.58	58.48	56.25	4.0
<b>Pacific</b>	<b>111.69</b>	<b>113.04</b>	<b>90.42</b>	<b>113.35</b>	<b>90.69</b>	<b>25.0</b>
California	113.15	w	90.42	w	w	w
Oregon	w	-	w	w	w	w
Washington	w	w	w	w	w	w
<b>U.S. Total</b>	<b>82.61</b>	<b>86.54</b>	<b>75.36</b>	<b>83.19</b>	<b>69.77</b>	<b>19.2</b>

- = 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 &amp; 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	October - December 2023	July - September 2023	October - December 2022	Year to date		Percent change
				2023	2022	
311 Food Manufacturing	1,567	1,388	1,663	6,187	6,511	-5.0
312 Beverage and Tobacco Product Mfg.	2	2	4	10	13	-20.2
313 Textile Mills	1	s	2	4	14	-72.6
322 Paper Manufacturing	199	191	358	1,060	1,431	-26.0
324 Petroleum and Coal Products	878	804	1,137	4,018	5,326	-24.6
325 Chemical Manufacturing	693	661	755	2,784	2,957	-5.8
327 Nonmetallic Mineral Products Mfg.	1,666	1,584	1,897	6,595	7,528	-12.4
331 Primary Metal Manufacturing	278	272	269	1,118	1,054	6.1
333 Machinery Manufacturing	7	5	5	46	78	-40.8
339 Miscellaneous Manufacturing	206	234	278	870	1,072	-18.9
<b>U.S. Total</b>	<b>5,498</b>	<b>5,139</b>	<b>6,367</b>	<b>22,693</b>	<b>25,983</b>	<b>-12.7</b>

\* 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	October - December 2023	July - September 2023	October - December 2022	Year to date		Percent change
				2023	2022	
311 Food Manufacturing	41.25	41.00	42.32	40.83	39.06	4.5
312 Beverage and Tobacco Product Mfg.	w	w	w	w	w	w
313 Textile Mills	w	w	264.29	w	w	w
322 Paper Manufacturing	153.87	177.80	161.23	158.44	130.13	21.8
324 Petroleum and Coal Products	w	w	w	w	w	w
325 Chemical Manufacturing	105.29	115.01	95.54	111.47	95.84	16.3
327 Nonmetallic Mineral Products Mfg.	108.55	109.68	98.51	109.35	93.94	16.4
331 Primary Metal Manufacturing	253.24	251.79	178.16	252.70	185.88	35.9
333 Machinery Manufacturing	w	w	w	w	w	w
339 Miscellaneous Manufacturing	75.13	72.26	73.84	71.54	67.96	5.3
<b>U.S. Total</b>	<b>82.61</b>	<b>86.54</b>	<b>75.36</b>	<b>83.19</b>	<b>69.77</b>	<b>19.2</b>

\* 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	October - December 2023	July - September 2023	October - December 2022	Year to date		Percent change
				2023	2022	
<b>Middle Atlantic</b>	s	-	s	<b>2</b>	<b>2</b>	<b>-18.7</b>
Pennsylvania	s	-	s	2	2	-18.7
<b>East North Central</b>	<b>19</b>	<b>17</b>	<b>26</b>	<b>98</b>	<b>130</b>	<b>-24.8</b>
Illinois	13	16	17	75	75	0.4
Indiana	5	1	9	23	56	-58.8
<b>West North Central</b>	<b>4</b>	<b>1</b>	<b>32</b>	<b>36</b>	<b>129</b>	<b>-72.2</b>
Iowa	1	1	23	17	89	-81.3
Minnesota	-	-	1	2	6	-71.7
Missouri	1	-	3	3	12	-75.2
North Dakota	2	1	4	15	23	-35.4
<b>South Atlantic</b>	<b>21</b>	<b>9</b>	<b>22</b>	<b>48</b>	<b>44</b>	<b>8.6</b>
North Carolina	18	7	19	34	36	-4.8
Virginia	3	2	3	14	8	68.6
<b>East South Central</b>	-	-	-	-	<b>s</b>	-
Kentucky	-	-	-	-	s	-
<b>Mountain</b>	<b>1</b>	<b>2</b>	<b>4</b>	<b>2</b>	<b>10</b>	<b>-75.6</b>
Colorado	s	-	-	s	-	-
Montana	-	2	1	2	1	48.7
Wyoming	s	-	3	1	9	-92.0
<b>Pacific</b>	<b>124</b>	<b>100</b>	<b>134</b>	<b>473</b>	<b>472</b>	<b>0.2</b>
Alaska	124	100	134	473	472	0.2
<b>U.S. Total</b>	<b>169</b>	<b>129</b>	<b>217</b>	<b>659</b>	<b>788</b>	<b>-16.4</b>

- = 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 &amp; 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	October - December 2023	July - September 2023	October - December 2022	Year to date		Percent change
				2023	2022	
<b>Middle Atlantic</b>	w	-	w	w	w	w
Pennsylvania	w	-	w	w	w	w
<b>East North Central</b>	<b>67.68</b>	<b>49.62</b>	<b>61.50</b>	<b>63.33</b>	<b>59.64</b>	<b>6.2</b>
Illinois	w	w	w	w	w	w
Indiana	w	w	w	w	w	w
<b>West North Central</b>	<b>w</b>	<b>w</b>	<b>88.24</b>	<b>w</b>	<b>w</b>	<b>w</b>
Iowa	w	w	w	w	91.66	w
Minnesota	-	-	w	98.50	w	w
Missouri	w	-	w	w	w	w
North Dakota	w	w	w	w	w	w
<b>South Atlantic</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>
North Carolina	w	w	w	w	w	w
Virginia	w	w	w	w	w	w
<b>East South Central</b>	-	-	-	-	<b>103.57</b>	-
Kentucky	-	-	-	-	103.57	-
<b>Mountain</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>
Colorado	w	-	-	w	-	-
Montana	-	w	w	w	w	w
Wyoming	w	-	w	w	w	w
<b>Pacific</b>	<b>w</b>	<b>w</b>	<b>89.79</b>	<b>w</b>	<b>w</b>	<b>w</b>
Alaska	w	w	89.79	w	w	w
<b>U.S. Total</b>	<b>100.15</b>	<b>92.48</b>	<b>100.50</b>	<b>95.76</b>	<b>89.85</b>	<b>6.6</b>

- = 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 &amp; Institutional Coal Users.'

## Consumption

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

(thousand short tons)

Year and quarter	Electric power sector <sup>1</sup>	Coke plants	Other Industrial			Commercial and institutional			Total
			CHP <sup>2</sup>	Non-CHP <sup>3</sup>	Total	CHP <sup>4</sup>	Non-CHP <sup>5</sup>	Total	
<b>2017</b>									
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
<b>Total</b>	<b>664,993</b>	<b>17,538</b>	<b>12,975</b>	<b>20,289</b>	<b>33,264</b>	<b>610</b>	<b>451</b>	<b>1,061</b>	<b>716,856</b>
<b>2018</b>									
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
<b>Total</b>	<b>637,217</b>	<b>18,337</b>	<b>12,233</b>	<b>19,347</b>	<b>31,580</b>	<b>577</b>	<b>395</b>	<b>972</b>	<b>688,105</b>
<b>2019</b>									
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
<b>Total</b>	<b>538,606</b>	<b>17,967</b>	<b>10,892</b>	<b>18,203</b>	<b>29,095</b>	<b>519</b>	<b>357</b>	<b>876</b>	<b>586,543</b>
<b>2020</b>									
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
<b>Total</b>	<b>435,827</b>	<b>14,414</b>	<b>9,453</b>	<b>16,207</b>	<b>25,660</b>	<b>473</b>	<b>320</b>	<b>793</b>	<b>476,693</b>
<b>2021</b>									
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
<b>Total</b>	<b>501,435</b>	<b>17,589</b>	<b>9,700</b>	<b>16,145</b>	<b>25,845</b>	<b>534</b>	<b>277</b>	<b>811</b>	<b>545,679</b>
<b>2022</b>									
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
<b>Total</b>	<b>472,834</b>	<b>16,009</b>	<b>9,563</b>	<b>16,328</b>	<b>25,891</b>	<b>535</b>	<b>265</b>	<b>800</b>	<b>515,534</b>
<b>2023</b>									
January - March	91,175	4,025	2,284	3,980	6,265	123	109	231	101,696
April - June	81,970	3,852	2,124	3,371	5,495	92	43	136	91,453
July - September	122,737	3,998	2,055	3,086	5,141	86	37	122	131,997
October - December	91,289	3,974	2,145	3,186	5,332	108	70	178	100,773
<b>Total</b>	<b>387,170</b>	<b>15,849</b>	<b>8,608</b>	<b>13,624</b>	<b>22,233</b>	<b>409</b>	<b>259</b>	<b>668</b>	<b>425,919</b>
<b>2022 January - December</b>	<b>472,834</b>	<b>16,009</b>	<b>9,563</b>	<b>16,328</b>	<b>25,891</b>	<b>535</b>	<b>265</b>	<b>800</b>	<b>515,534</b>
<b>2021 January - December</b>	<b>501,435</b>	<b>17,589</b>	<b>9,700</b>	<b>16,145</b>	<b>25,845</b>	<b>534</b>	<b>277</b>	<b>811</b>	<b>545,679</b>

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	October - December 2023	July - September 2023	October - December 2022	Year to date		Percent change
				2023	2022	
Middle Atlantic	1,226	1,249	1,361	5,066	5,427	-6.6
East North Central	2,420	2,419	2,283	9,469	9,033	4.8
South Atlantic	211	212	203	832	983	-15.4
East South Central	116	117	129	481	566	-15.0
<b>U.S. Total</b>	<b>3,974</b>	<b>3,998</b>	<b>3,975</b>	<b>15,849</b>	<b>16,009</b>	<b>-1.0</b>

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	October - December 2023	July - September 2023	October - December 2022	Year to date		Percent change
				2023	2022	
<b>Middle Atlantic</b>	<b>112</b>	<b>122</b>	<b>176</b>	<b>579</b>	<b>703</b>	<b>-17.6</b>
New York	31	25	72	191	241	-21.1
Pennsylvania	82	98	104	389	461	-15.8
<b>East North Central</b>	<b>884</b>	<b>976</b>	<b>1,004</b>	<b>3,871</b>	<b>4,241</b>	<b>-8.7</b>
Illinois	381	439	441	1,721	1,866	-7.8
Indiana	278	300	309	1,178	1,229	-4.1
Michigan	69	100	74	327	313	4.4
Ohio	78	81	82	340	376	-9.5
Wisconsin	78	56	98	305	456	-33.2
<b>West North Central</b>	<b>2,260</b>	<b>2,061</b>	<b>2,690</b>	<b>9,581</b>	<b>11,299</b>	<b>-15.2</b>
Iowa	530	565	557	2,158	2,362	-8.6
Kansas	31	30	25	117	86	35.9
Minnesota	261	119	260	913	880	3.8
Missouri	193	186	204	757	845	-10.4
Nebraska	148	117	232	672	972	-30.9
North Dakota	1,027	972	1,344	4,696	5,891	-20.3
South Dakota	70	72	68	268	263	2.0
<b>South Atlantic</b>	<b>314</b>	<b>353</b>	<b>490</b>	<b>1,419</b>	<b>1,969</b>	<b>-27.9</b>
Florida	23	26	38	99	188	-47.1
Georgia	42	46	56	178	261	-31.7
Maryland	95	99	114	372	425	-12.6
North Carolina	25	27	96	186	375	-50.5
South Carolina	16	19	28	72	93	-22.2
Virginia	57	68	99	277	367	-24.4
West Virginia	56	68	60	234	261	-10.0
<b>East South Central</b>	<b>597</b>	<b>545</b>	<b>629</b>	<b>2,301</b>	<b>2,590</b>	<b>-11.2</b>
Alabama	112	104	156	425	655	-35.2
Kentucky	165	159	190	680	801	-15.1
Mississippi	22	17	18	79	69	14.1
Tennessee	298	265	265	1,117	1,065	4.9
<b>West South Central</b>	<b>177</b>	<b>208</b>	<b>205</b>	<b>762</b>	<b>947</b>	<b>-19.6</b>
Arkansas	28	35	35	139	141	-1.7
Louisiana	70	76	82	278	332	-16.3
Oklahoma	34	44	29	143	201	-28.9
Texas	46	53	59	202	273	-26.0
<b>Mountain</b>	<b>620</b>	<b>556</b>	<b>727</b>	<b>2,339</b>	<b>2,695</b>	<b>-13.2</b>
Arizona	58	66	60	239	260	-7.8
Colorado	28	27	42	127	153	-17.1
Idaho	15	6	26	49	76	-36.3
Montana	82	37	98	198	250	-20.8
Nevada	50	53	43	191	212	-10.0
New Mexico	16	17	18	62	62	-1.3
Utah	76	81	85	308	318	-3.0
Wyoming	294	270	355	1,166	1,364	-14.5
<b>Pacific</b>	<b>367</b>	<b>318</b>	<b>416</b>	<b>1,381</b>	<b>1,448</b>	<b>-4.7</b>
Alaska	s	s	s	1	1	s
California	327	303	377	1,277	1,322	-3.4
Oregon	18	-	21	28	48	-41.6
Washington	21	15	18	75	78	-3.3
<b>U.S. Total</b>	<b>5,332</b>	<b>5,141</b>	<b>6,336</b>	<b>22,233</b>	<b>25,891</b>	<b>-14.1</b>

- = 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 &amp; 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	October - December 2023	July - September 2023	October - December 2022	Year to date		Percent change
				2023	2022	
311 Food Manufacturing	1,546	1,300	1,683	6,129	6,582	-6.9
312 Beverage and Tobacco Product Mfg.	2	2	3	10	12	-16.5
313 Textile Mills	3	s	1	6	12	-44.8
322 Paper Manufacturing	192	192	331	920	1,438	-36.0
324 Petroleum and Coal Products	850	889	1,161	4,050	5,349	-24.3
325 Chemical Manufacturing	681	676	738	2,765	2,895	-4.5
327 Nonmetallic Mineral Products Mfg.	1,523	1,589	1,856	6,280	7,355	-14.6
331 Primary Metal Manufacturing	287	266	250	1,153	1,047	10.2
333 Machinery Manufacturing	20	9	17	39	87	-55.5
339 Miscellaneous Manufacturing	229	217	295	881	1,115	-21.0
<b>U.S. Total</b>	<b>5,332</b>	<b>5,141</b>	<b>6,336</b>	<b>22,233</b>	<b>25,891</b>	<b>-14.1</b>

\* 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	October - December 2023	July - September 2023	October - December 2022	Year to date		Percent change
				2023	2022	
<b>Middle Atlantic</b>	<b>1</b>	-	s	<b>2</b>	<b>3</b>	<b>-35.1</b>
Pennsylvania	1	-	s	2	3	-35.1
<b>East North Central</b>	<b>16</b>	<b>15</b>	<b>25</b>	<b>93</b>	<b>130</b>	<b>-28.3</b>
Illinois	11	15	15	70	74	-5.2
Indiana	5	-	9	24	57	-58.3
<b>West North Central</b>	<b>2</b>	-	<b>40</b>	<b>31</b>	<b>131</b>	<b>-76.5</b>
Iowa	1	-	29	16	91	-82.7
Minnesota	s	-	1	2	4	-42.7
Missouri	-	-	3	3	12	-78.9
North Dakota	s	-	6	10	24	-57.1
<b>South Atlantic</b>	<b>12</b>	<b>8</b>	<b>18</b>	<b>42</b>	<b>45</b>	<b>-7.1</b>
North Carolina	11	8	14	33	37	-10.4
Virginia	1	s	4	9	9	6.5
<b>East South Central</b>	-	-	-	-	<b>1</b>	-
Kentucky	-	-	-	-	1	-
<b>Mountain</b>	<b>1</b>	<b>s</b>	<b>4</b>	<b>1</b>	<b>11</b>	<b>-86.9</b>
Colorado	s	s	s	s	s	58.2
Montana	s	-	1	s	2	-75.0
Wyoming	s	-	3	1	9	-92.0
<b>Pacific</b>	<b>148</b>	<b>98</b>	<b>149</b>	<b>498</b>	<b>478</b>	<b>4.0</b>
Alaska	148	98	149	498	478	4.0
<b>U.S. Total</b>	<b>178</b>	<b>122</b>	<b>236</b>	<b>668</b>	<b>800</b>	<b>-16.5</b>

- = 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 &amp; Institutional Coal Users.'

## Stocks

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

(thousand short tons)

Last day of quarter	Coal consumers				Total	Coal producers and distributors	Total
	Electric power sector <sup>1</sup>	Coke plants	Other industrial <sup>2</sup>	Commercial and institutional users			
<b>2017</b>							
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
<b>2018</b>							
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
<b>2019</b>							
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
<b>2020</b>							
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
<b>2021</b>							
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
<b>2022</b>							
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
<b>2023</b>							
March 31	109,004	1,650	2,451	162	113,267	22,390*	135,657
June 30	127,710	1,684	2,765	160	132,319	22,092*	154,411
September 30	116,635	1,655	2,750	168	121,207	18,506*	139,713
December 31	131,426	1,551	2,868	149	135,995	18,427*	154,422

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)

<b>Census division</b>	<b>December 31, 2023</b>	<b>September 30, 2023</b>	<b>December 31, 2022</b>	<b>Percent change (December 31) 2023 versus 2022</b>
Middle Atlantic	442	519	496	-11.0
East North Central	895	901	932	-4.0
South Atlantic	65	63	71	-8.1
East South Central	150	172	128	17.2
<b>U.S. Total</b>	<b>1,551</b>	<b>1,655</b>	<b>1,627</b>	<b>-4.6</b>

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 &amp; 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	December 31, 2023	September 30, 2023	December 31, 2022	Percent change (December 31) 2023 versus 2022
<b>Middle Atlantic</b>	<b>220</b>	<b>199</b>	<b>206</b>	<b>6.6</b>
New York	42	40	56	-25.6
Pennsylvania	178	159	150	18.6
<b>East North Central</b>	<b>516</b>	<b>405</b>	<b>472</b>	<b>9.3</b>
Illinois	61	48	48	28.2
Indiana	177	179	217	-18.6
Michigan	180	121	106	70.2
Ohio	21	20	20	4.0
Wisconsin	76	37	80	-5.4
<b>West North Central</b>	<b>547</b>	<b>574</b>	<b>528</b>	<b>3.6</b>
Iowa	137	158	141	-2.7
Kansas	15	18	11	31.0
Minnesota	44	44	24	80.2
Missouri	114	119	77	48.1
Nebraska	8	22	35	-77.6
North Dakota	190	171	202	-5.8
South Dakota	39	41	37	5.5
<b>South Atlantic</b>	<b>324</b>	<b>352</b>	<b>310</b>	<b>4.4</b>
Florida	34	46	43	-20.0
Georgia	59	54	45	30.9
Maryland	16	26	33	-50.2
North Carolina	89	84	81	9.5
South Carolina	46	49	37	23.0
Virginia	62	66	48	29.0
West Virginia	18	27	23	-24.4
<b>East South Central</b>	<b>256</b>	<b>269</b>	<b>242</b>	<b>6.0</b>
Alabama	82	79	63	30.1
Kentucky	63	69	62	2.1
Mississippi	6	11	5	18.2
Tennessee	105	110	112	-6.0
<b>West South Central</b>	<b>445</b>	<b>405</b>	<b>236</b>	<b>88.3</b>
Arkansas	26	23	26	1.2
Louisiana	3	3	2	103.3
Oklahoma	243	251	110	121.0
Texas	172	129	98	74.7
<b>Mountain</b>	<b>418</b>	<b>439</b>	<b>378</b>	<b>10.7</b>
Arizona	54	36	16	239.7
Colorado	28	19	18	57.3
Idaho	104	144	140	-25.8
Montana	59	59	24	143.1
Nevada	32	26	45	-29.0
New Mexico	4	3	2	83.2
Utah	50	49	52	-4.1
Wyoming	86	104	80	8.0
<b>Pacific</b>	<b>142</b>	<b>110</b>	<b>127</b>	<b>12.4</b>
California	110	90	107	3.1
Oregon	29	12	16	81.7
Washington	3	8	4	-18.6
<b>U.S. Total</b>	<b>2,869</b>	<b>2,753</b>	<b>2,499</b>	<b>14.8</b>

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 &amp; 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	December 31, 2023	September 30, 2023	December 31, 2022	Percent change (December 31) 2023 versus 2022
311 Food Manufacturing	488	531	491	-0.8
312 Beverage and Tobacco Product Mfg.	1	1	1	7.6
313 Textile Mills	5	7	10	-50.8
322 Paper Manufacturing	338	327	195	72.7
324 Petroleum and Coal Products	147	119	179	-18.0
325 Chemical Manufacturing	177	166	167	6.1
327 Nonmetallic Mineral Products Mfg.	1,479	1,326	1,185	24.8
331 Primary Metal Manufacturing	122	127	154	-20.5
333 Machinery Manufacturing	17	30	10	76.9
339 Miscellaneous Manufacturing	96	120	108	-10.7
<b>U.S. Total</b>	<b>2,869</b>	<b>2,753</b>	<b>2,499</b>	<b>14.8</b>

\* Includes coal gasification projects.

\*\* Excludes coke plants.

- = No data reported.

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

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

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

(thousand short tons)

Census division	December 31, 2023	September 30, 2023	December 31, 2022	Percent change (December 31) 2023 versus 2022
Middle Atlantic	16	34	68	-76.0
East North Central	147	120	222	-33.9
South Atlantic	34	37	30	14.0
East South Central	24	22	36	-32.7
<b>U.S. Total</b>	<b>222</b>	<b>213</b>	<b>357</b>	<b>-37.8</b>
<b>Coke Total</b>	<b>149</b>	<b>161</b>	<b>301</b>	<b>-50.4</b>
<b>Breeze Total</b>	<b>73</b>	<b>52</b>	<b>56</b>	<b>29.7</b>

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 &amp; 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	December 31, 2023	September 30, 2023	December 31, 2022	Percent change (December 31) 2023 versus 2022
<b>Middle Atlantic</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>-0.5</b>
Pennsylvania	20	20	20	-0.5
<b>East North Central</b>	<b>22</b>	<b>28</b>	<b>24</b>	<b>-9.7</b>
Illinois	19	26	21	-8.2
Indiana	2	2	3	-20.6
<b>West North Central</b>	<b>27</b>	<b>26</b>	<b>17</b>	<b>57.9</b>
Iowa	11	12	5	108.9
Minnesota	5	5	6	-11.6
Missouri	1	-	1	58.9
North Dakota	9	8	5	89.5
<b>South Atlantic</b>	<b>46</b>	<b>36</b>	<b>40</b>	<b>13.8</b>
District of Columbia	3	3	3	s
North Carolina	31	24	30	4.0
Virginia	12	10	8	55.6
<b>East South Central</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>s</b>
Kentucky	4	4	4	s
<b>Mountain</b>	<b>3</b>	<b>4</b>	<b>2</b>	<b>40.3</b>
Colorado	s	s	s	-20.2
Montana	3	3	2	57.9
Wyoming	s	s	s	s
<b>Pacific</b>	<b>28</b>	<b>51</b>	<b>59</b>	<b>-53.2</b>
Alaska	28	51	59	-53.2
<b>U.S. Total</b>	<b>149</b>	<b>168</b>	<b>167</b>	<b>-10.5</b>

- = 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 &amp; Institutional Coal Users.'

## Quality

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

Census division and state¹	October - December 2023	July - September 2023	October - December 2022	Year to date		Percent change
				2023	2022	
<b>Middle Atlantic</b>						
Btu	14,191	14,175	14,238	14,185	14,180	s
Sulfur	1.09	1.09	1.11	1.11	1.13	-1.7
Ash	7.08	7.17	7.32	7.22	7.34	-1.6
<b>New York</b>						
Btu	12,626	12,663	12,679	12,654	12,723	-0.5
Sulfur	2.21	2.23	2.20	2.23	2.21	0.9
Ash	10.05	9.86	9.57	9.75	9.54	2.2
<b>Pennsylvania</b>						
Btu	14,232	14,221	14,317	14,239	14,245	s
Sulfur	1.06	1.05	1.05	1.07	1.08	-0.9
Ash	7.00	7.09	7.21	7.13	7.24	-1.5
<b>East North Central</b>						
Btu	13,603	13,556	13,469	13,562	13,418	1.1
Sulfur	1.09	1.02	1.16	1.07	1.21	-12.0
Ash	7.23	6.94	7.42	7.06	7.46	-5.3
<b>Illinois</b>						
Btu	11,480	11,481	11,977	11,499	12,008	-4.2
Sulfur	1.87	1.35	2.14	1.65	2.30	-28.4
Ash	7.13	6.49	7.43	6.78	7.47	-9.2
<b>Indiana</b>						
Btu	14,249	14,171	13,858	14,228	13,902	2.3
Sulfur	0.95	0.90	0.96	0.91	0.91	0.1
Ash	7.13	6.83	7.36	6.94	7.40	-6.1
<b>Michigan</b>						
Btu	13,877	13,812	14,014	13,843	13,550	2.2
Sulfur	0.81	0.84	0.72	0.81	0.72	13.1
Ash	7.72	7.57	7.45	7.55	7.64	-1.2
<b>Ohio</b>						
Btu	14,257	14,292	14,195	14,255	14,202	0.4
Sulfur	1.04	1.05	1.05	1.04	1.03	1.0
Ash	7.22	7.14	7.59	7.24	7.49	-3.3
<b>Wisconsin</b>						
Btu	11,089	11,502	11,040	10,823	10,942	-1.1
Sulfur	0.55	0.71	0.61	0.56	0.88	-36.5
Ash	6.35	7.03	6.62	6.77	7.06	-4.1
<b>West North Central</b>						
Btu	8,458	8,457	8,380	8,380	8,237	1.7
Sulfur	0.79	0.77	0.79	0.74	0.77	-3.9
Ash	6.07	6.17	6.48	5.97	6.15	-2.9
<b>Iowa</b>						
Btu	9,002	8,911	9,122	8,904	8,968	-0.7
Sulfur	0.64	0.48	0.69	0.47	0.53	-11.6
Ash	5.39	5.16	5.58	5.19	4.98	4.3
<b>Kansas</b>						
Btu	10,871	10,683	11,083	10,940	10,497	4.2
Sulfur	1.56	1.71	2.15	1.81	2.26	-19.7
Ash	10.25	8.74	10.85	10.80	13.66	-21.0
<b>Minnesota</b>						
Btu	9,302	9,232	9,312	9,276	9,306	-0.3
Sulfur	0.30	0.32	0.35	0.33	0.35	-7.0
Ash	4.13	4.28	4.25	4.23	4.26	-0.7
<b>Missouri</b>						
Btu	11,057	11,326	11,216	11,185	11,183	s
Sulfur	2.28	1.90	2.19	2.05	2.12	-3.3
Ash	8.58	8.44	8.67	8.59	8.54	0.5
<b>Nebraska</b>						
Btu	8,807	8,806	8,845	8,811	8,767	0.5
Sulfur	0.30	0.30	0.29	0.30	0.23	27.9

Census division and state¹	October - December 2023	July - September 2023	October - December 2022	Year to date		Percent change
				2023	2022	
Ash	5.01	5.00	5.04	5.01	4.66	7.6
<b>North Dakota</b>						
Btu	7,433	7,380	7,321	7,375	7,228	2.0
Sulfur	0.80	0.82	0.77	0.79	0.82	-3.7
Ash	6.53	6.67	7.16	6.28	6.73	-6.7
<b>South Dakota</b>						
Btu	8,001	7,989	8,008	8,005	8,015	-0.1
Sulfur	0.36	0.37	0.34	0.36	0.35	2.6
Ash	5.30	5.43	4.52	5.34	4.85	10.1
<b>South Atlantic</b>						
Btu	13,449	13,266	13,033	13,301	13,117	1.4
Sulfur	1.10	1.17	1.20	1.15	1.16	-0.8
Ash	9.43	9.85	10.68	9.84	10.43	-5.6
<b>Florida</b>						
Btu	12,739	12,048	11,255	11,795	12,017	-1.8
Sulfur	3.70	1.58	2.37	2.14	2.46	-13.2
Ash	11.12	7.67	10.15	9.09	10.02	-9.2
<b>Georgia</b>						
Btu	12,483	12,368	12,670	12,358	12,488	-1.0
Sulfur	1.11	1.09	0.93	1.12	0.93	21.2
Ash	9.66	10.71	7.98	10.94	10.20	7.2
<b>Maryland</b>						
Btu	11,597	11,509	11,177	11,522	11,096	3.8
Sulfur	1.78	1.74	1.48	1.74	1.38	25.7
Ash	19.00	18.48	21.76	20.08	22.59	-11.1
<b>North Carolina</b>						
Btu	12,855	12,837	13,384	13,297	13,402	-0.8
Sulfur	1.01	0.97	1.25	0.92	1.00	-7.6
Ash	8.72	8.79	8.19	8.10	8.17	-0.8
<b>South Carolina</b>						
Btu	12,872	13,323	13,001	13,175	12,909	2.1
Sulfur	0.77	1.30	1.34	1.19	1.55	-23.3
Ash	9.66	7.89	9.89	8.30	9.13	-9.0
<b>Virginia</b>						
Btu	14,293	14,231	13,986	14,148	14,020	0.9
Sulfur	0.85	0.94	0.98	0.93	0.92	1.0
Ash	6.95	7.04	7.61	7.23	7.35	-1.7
<b>West Virginia</b>						
Btu	13,558	13,300	12,942	13,389	13,362	0.2
Sulfur	1.03	1.12	1.14	1.14	1.26	-9.3
Ash	6.46	8.20	10.44	7.72	8.65	-10.7
<b>East South Central</b>						
Btu	13,263	13,496	13,391	13,344	13,231	0.9
Sulfur	1.33	1.22	1.31	1.25	1.31	-4.3
Ash	7.39	7.11	7.46	7.30	7.58	-3.7
<b>Alabama</b>						
Btu	13,932	14,249	13,857	14,013	13,606	3.0
Sulfur	1.01	0.91	1.06	1.00	1.13	-10.8
Ash	6.79	6.53	8.06	6.90	8.15	-15.3
<b>Kentucky</b>						
Btu	12,785	12,972	13,323	12,864	12,938	-0.6
Sulfur	1.76	1.59	1.46	1.46	1.39	5.6
Ash	8.18	7.48	7.16	7.50	7.28	3.0
<b>Mississippi</b>						
Btu	14,863	14,835	14,763	14,766	14,734	0.2
Sulfur	0.77	0.77	0.81	0.79	0.81	-3.5
Ash	2.86	3.79	3.40	3.55	3.73	-4.9
<b>Tennessee</b>						
Btu	12,946	13,013	12,912	12,970	12,928	0.3
Sulfur	1.35	1.32	1.48	1.37	1.50	-8.3
Ash	7.67	7.67	7.31	7.78	7.40	5.1

Census division and state¹	October - December 2023	July - September 2023	October - December 2022	Year to date		Percent change
				2023	2022	
<b>West South Central</b>						
Btu	10,223	9,690	9,932	10,050	10,097	-0.5
Sulfur	0.96	0.79	0.70	0.75	0.66	13.3
Ash	7.91	8.44	8.46	8.11	7.91	2.5
<b>Arkansas</b>						
Btu	11,151	11,293	11,201	11,379	11,323	0.5
Sulfur	1.63	1.59	1.43	1.36	1.19	13.7
Ash	10.49	10.99	10.27	10.18	9.21	10.6
<b>Louisiana</b>						
Btu	7,489	7,489	7,489	7,489	7,489	s
Sulfur	0.51	0.51	0.58	0.51	0.55	-7.0
Ash	5.92	6.86	6.42	6.56	7.21	-9.0
<b>Oklahoma</b>						
Btu	12,328	10,796	10,826	10,462	11,240	-6.9
Sulfur	1.47	0.94	0.56	0.68	0.64	6.1
Ash	8.89	8.34	6.30	7.35	7.11	3.4
<b>Texas</b>						
Btu	11,370	11,444	11,584	11,497	11,613	-1.0
Sulfur	0.91	0.64	0.57	0.74	0.54	37.2
Ash	8.25	9.79	11.15	9.30	8.72	6.6
<b>Mountain</b>						
Btu	10,722	10,710	10,321	10,666	10,600	0.6
Sulfur	0.57	0.61	0.53	0.58	0.51	12.7
Ash	6.92	6.87	6.39	6.77	6.52	3.8
<b>Arizona</b>						
Btu	11,479	11,403	11,331	11,397	11,532	-1.2
Sulfur	0.61	0.69	0.65	0.65	0.65	s
Ash	10.16	11.88	10.00	10.86	9.28	17.0
<b>Colorado</b>						
Btu	11,654	11,627	11,653	11,660	11,819	-1.3
Sulfur	0.55	0.65	0.71	0.56	0.61	-8.3
Ash	9.90	11.29	8.87	10.70	8.45	26.6
<b>Idaho</b>						
Btu	11,873	11,905	12,168	11,735	12,297	-4.6
Sulfur	0.87	0.85	0.52	0.81	0.58	39.5
Ash	10.10	10.05	9.66	10.23	9.26	10.5
<b>Montana</b>						
Btu	9,258	9,529	8,554	9,542	9,081	5.1
Sulfur	0.31	0.43	0.35	0.38	0.35	8.0
Ash	5.26	5.71	5.01	5.42	5.15	5.2
<b>Nevada</b>						
Btu	11,783	11,399	11,597	11,466	11,516	-0.4
Sulfur	0.48	0.51	0.48	0.48	0.46	4.4
Ash	10.23	9.80	10.03	9.90	9.86	0.4
<b>New Mexico</b>						
Btu	11,306	11,347	11,928	11,563	12,205	-5.3
Sulfur	0.75	0.78	0.83	0.75	0.71	5.6
Ash	12.01	13.01	12.38	12.74	10.31	23.6
<b>Utah</b>						
Btu	11,530	11,547	11,379	11,448	11,631	-1.6
Sulfur	0.48	0.48	0.45	0.48	0.44	8.3
Ash	8.89	8.59	9.19	9.01	10.24	-12.0
<b>Wyoming</b>						
Btu	10,168	10,252	9,809	10,157	10,000	1.6
Sulfur	0.63	0.64	0.54	0.62	0.52	20.0
Ash	4.26	3.92	4.08	4.02	4.24	-5.4
<b>Pacific</b>						
Btu	11,279	11,096	11,125	11,168	11,254	-0.8
Sulfur	0.56	0.71	0.45	0.57	0.43	32.3
Ash	8.98	10.54	8.35	9.43	8.11	16.2
<b>California</b>						

Census division and state <sup>1</sup>	October - December 2023	July - September 2023	October - December 2022	Year to date		Percent change
				2023	2022	
Btu	11,322	11,196	11,206	11,257	11,366	-1.0
Sulfur	0.57	0.73	0.46	0.58	0.42	36.6
Ash	9.25	10.87	8.43	9.73	8.21	18.6
<b>Oregon</b>						
Btu	11,759	-	10,864	11,695	11,162	4.8
Sulfur	0.60	-	0.32	0.60	0.64	-6.4
Ash	8.34	-	10.45	8.79	10.48	-16.1
<b>Washington</b>						
Btu	9,363	9,362	9,340	9,356	9,395	-0.4
Sulfur	0.38	0.34	0.33	0.34	0.35	-2.1
Ash	4.68	4.75	5.01	4.60	4.66	-1.4
<b>U.S. Total</b>						
Btu	12,042	12,122	11,872	11,963	11,775	1.6
Sulfur	0.98	0.95	1.00	0.95	1.00	-4.9
Ash	7.13	7.13	7.37	7.08	7.28	-2.6

<sup>1</sup> 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 state¹	October - December 2023	July - September 2023	October - December 2022	Year to date		Percent change
				2023	2022	
<b>Middle Atlantic</b>						
Btu	13,831	-	12,757	12,385	13,078	-5.3
Sulfur	1.26	-	0.64	0.70	0.78	-10.3
Ash	5.68	-	6.35	8.29	6.72	23.3
<b>Pennsylvania</b>						
Btu	13,831	-	12,757	12,385	13,078	-5.3
Sulfur	1.26	-	0.64	0.70	0.78	-10.3
Ash	5.68	-	6.35	8.29	6.72	23.3
<b>East North Central</b>						
Btu	11,158	11,059	11,046	11,147	11,114	0.3
Sulfur	2.96	3.15	2.99	3.01	2.99	0.8
Ash	9.75	10.28	10.40	9.87	10.03	-1.6
<b>Illinois</b>						
Btu	11,192	11,061	11,044	11,121	11,089	0.3
Sulfur	3.11	3.18	3.04	3.12	3.18	-1.7
Ash	9.71	10.36	10.46	9.90	10.06	-1.6
<b>Indiana</b>						
Btu	11,075	11,035	11,050	11,234	11,147	0.8
Sulfur	2.61	2.78	2.88	2.64	2.73	-3.1
Ash	9.84	8.92	10.28	9.78	9.98	-2.0
<b>West North Central</b>						
Btu	9,608	10,446	10,657	10,098	10,696	-5.6
Sulfur	1.02	2.30	2.34	1.25	2.26	-44.8
Ash	7.83	8.09	8.84	6.72	8.26	-18.6
<b>Iowa</b>						
Btu	9,454	11,173	10,941	10,880	11,138	-2.3
Sulfur	0.87	3.28	2.74	1.85	2.77	-33.2
Ash	7.15	9.26	9.39	7.67	8.96	-14.4
<b>Minnesota</b>						
Btu	-	-	9,323	9,496	8,866	7.1
Sulfur	-	-	0.33	0.32	0.29	9.4
Ash	-	-	4.70	4.18	4.70	-10.9
<b>Missouri</b>						
Btu	11,325	-	11,419	11,322	11,444	-1.1
Sulfur	2.46	-	3.00	2.87	3.03	-5.3
Ash	11.21	-	9.37	9.53	9.00	5.9
<b>North Dakota</b>						
Btu	8,820	9,090	9,011	9,035	9,083	-0.5
Sulfur	0.37	0.47	0.34	0.34	0.39	-10.8
Ash	6.43	5.90	6.75	5.39	6.13	-12.1
<b>South Atlantic</b>						
Btu	13,099	13,036	12,992	12,981	12,942	0.3
Sulfur	1.50	1.32	1.33	1.32	1.44	-8.3
Ash	7.49	8.17	8.21	7.58	8.25	-8.2
<b>North Carolina</b>						
Btu	13,059	12,835	12,926	12,985	12,818	1.3
Sulfur	1.61	1.47	1.42	1.51	1.58	-4.4
Ash	7.79	9.05	8.61	8.46	8.83	-4.1
<b>Virginia</b>						
Btu	13,325	13,779	13,405	12,973	13,495	-3.9
Sulfur	0.84	0.77	0.75	0.83	0.80	4.2
Ash	5.71	4.90	5.71	5.34	5.68	-6.1
<b>East South Central</b>						
Btu	-	-	-	-	13,232	-
Sulfur	-	-	-	-	0.60	-
Ash	-	-	-	-	4.53	-
<b>Kentucky</b>						
Btu	-	-	-	-	13,232	-
Sulfur	-	-	-	-	0.60	-



Census division and state <sup>1</sup>	October - December 2023	July - September 2023	October - December 2022	Year to date		Percent change
				2023	2022	
Ash	-	-	-	-	4.53	-
<b>Mountain</b>						
Btu	11,880	10,264	11,171	10,777	11,428	-5.7
Sulfur	0.48	0.53	0.53	0.51	0.48	5.7
Ash	10.49	9.03	12.08	9.72	11.20	-13.2
<b>Colorado</b>						
Btu	12,531	-	-	12,531	-	-
Sulfur	0.53	-	-	0.53	-	-
Ash	10.06	-	-	10.06	-	-
<b>Montana</b>						
Btu	-	10,264	10,689	10,264	10,689	-4.0
Sulfur	-	0.53	0.74	0.53	0.74	-28.4
Ash	-	9.03	10.67	9.03	10.67	-15.4
<b>Wyoming</b>						
Btu	11,609	-	11,348	11,538	11,515	0.2
Sulfur	0.46	-	0.45	0.46	0.45	1.1
Ash	10.67	-	12.60	11.17	11.26	-0.8
<b>Pacific</b>						
Btu	7,582	7,659	7,704	7,613	7,582	0.4
Sulfur	0.15	0.14	0.20	0.13	0.18	-25.5
Ash	6.30	5.09	6.43	5.69	6.73	-15.5
<b>Alaska</b>						
Btu	7,582	7,659	7,704	7,613	7,582	0.4
Sulfur	0.15	0.14	0.20	0.13	0.18	-25.5
Ash	6.30	5.09	6.43	5.69	6.73	-15.5
<b>U.S. Total</b>						
Btu	8,745	8,544	9,129	8,688	9,041	-3.9
Sulfur	0.65	0.64	0.96	0.71	1.06	-33.0
Ash	6.88	6.06	7.53	6.53	7.67	-14.9

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

- = No data reported.

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