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Quarterly Coal Report July–September 2019

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Contacts

This publication was prepared by the U.S. Energy Information Administration (EIA). You can request general information about the data in this report by emailing InfoCoal@eia.gov.

You can send questions about coal statistics to the Office of Communications at (202) 586-8800 or email infoctr@eia.gov.

Preface

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

The *Quarterly Coal Report* (QCR) provides information about U.S. coal production, exports, imports, receipts, prices, consumption, quality, stocks, and refined coal data to a wide audience, including Congress, federal and state agencies, the coal industry, and the general public. In addition, the QCR offers U.S. coke production, consumption, stocks, imports, and exports data. The third-quarter 2019 QCR includes detailed quarterly coal data for July 2019–September 2019 and aggregated quarterly historical coal data for 2013 through third-quarter 2019.

All data for 2018 and previous years are final. All data for 2019 are preliminary.

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Table ES-1. U.S. coal summary statistics, 2013 - 2019

(thousand short tons)

| Year and quarter | Production ¹ | Imports | Waste coal supplied | Producer and distributor stocks ² | Consumption | Exports | Consumer stocks ² | Losses and unaccounted for ³ |
|---------------------------------|-------------------------|---------------|---------------------|--|----------------|----------------|------------------------------|---|
| 2013 | | | | | | | | |
| January - March | 244,867 | 1,429 | 3,169 | 48,422 | 228,987 | 31,835 | 178,419 | - |
| April - June | 243,211 | 2,756 | 2,687 | 50,129 | 216,014 | 29,427 | 178,110 | - |
| July - September | 257,595 | 2,398 | 2,782 | 47,135 | 253,357 | 28,589 | 160,079 | - |
| October - December | 239,169 | 2,323 | 2,640 | 45,652 | 226,084 | 27,809 | 154,676 | - |
| Total | 984,842 | 8,906 | 11,279 | | 924,442 | 117,659 | | 1,451 |
| 2014 | | | | | | | | |
| January - March | 245,271 | 2,450 | 3,277 | 44,728 | 248,329 | 27,584 | 123,990 | - |
| April - June | 245,844 | 3,574 | 2,896 | 42,682 | 211,881 | 24,674 | 139,471 | - |
| July - September | 255,377 | 3,151 | 3,256 | 38,828 | 247,453 | 22,723 | 131,386 | - |
| October - December | 253,557 | 2,174 | 2,662 | 38,894 | 210,068 | 22,276 | 158,833 | - |
| Total | 1,000,049 | 11,350 | 12,090 | | 917,731 | 97,257 | | 11,101 |
| 2015 | | | | | | | | |
| January - March | 240,324 | 3,009 | 2,821 | 39,610 | 212,772 | 21,979 | 160,509 | - |
| April - June | 212,557 | 2,640 | 2,209 | 39,399 | 188,975 | 19,766 | 173,314 | - |
| July - September | 236,823 | 2,965 | 2,722 | 36,213 | 229,393 | 16,914 | 169,784 | - |
| October - December | 207,237 | 2,705 | 2,217 | 35,871 | 166,974 | 15,299 | 202,560 | - |
| Total | 896,941 | 11,318 | 9,969 | | 798,115 | 73,958 | | 5,452 |
| 2016 | | | | | | | | |
| January - March | 173,225 | 2,698 | 2,829 | 35,207 | 166,448 | 14,153 | 197,755 | - |
| April - June | 160,853 | 2,292 | 2,174 | 32,932 | 160,278 | 14,223 | 188,060 | - |
| July - September | 195,101 | 2,733 | 2,880 | 27,282 | 223,358 | 12,552 | 162,318 | - |
| October - December | 199,186 | 2,124 | 2,256 | 25,309 | 180,987 | 19,343 | 167,681 | - |
| Total | 728,364 | 9,846 | 10,138 | | 731,071 | 60,271 | | 2,449 |
| 2017 | | | | | | | | |
| January - March | 197,138 | 1,915 | 2,918 | 25,190 | 173,712 | 22,307 | 166,774 | - |
| April - June | 187,098 | 2,197 | 2,123 | 23,430 | 166,866 | 21,796 | 163,264 | - |
| July - September | 196,440 | 2,308 | 2,609 | 23,430 | 203,482 | 24,644 | 145,060 | - |
| October - December | 193,933 | 1,357 | 2,301 | 23,999 | 172,796 | 28,206 | 142,957 | - |
| Total | 774,609 | 7,777 | 9,951 | | 716,856 | 96,953 | | 4,562 |
| 2018 | | | | | | | | |
| January - March | 187,743 | 1,367 | 2,996 | 24,736 | 168,149 | 27,221 | 131,096 | - |
| April - June | 180,829 | 1,546 | 2,122 | 22,997 | 156,607 | 30,876 | 126,162 | - |
| July - September | 194,731 | 1,439 | 2,695 | 22,537 | 194,219 | 29,067 | 105,774 | - |
| October - December | 192,863 | 1,602 | 2,618 | 21,692 | 169,131 | 28,469 | 108,355 | - |
| Total | 756,167 | 5,954 | 10,431 | | 688,105 | 115,632 | | 5,725 |
| 2019 | | | | | | | | |
| January - March | 179,536 | 1,689 | 2,723 | 23,158* | 157,857 | 25,210 | 102,160 | - |
| April - June | 179,176 | 1,604 | 2,264 | 21,878* | 129,871 | 25,315 | 123,193 | - |
| July - September | 181,356 | 1,681 | 2,195 | 23,073* | 168,195 | 21,918 | 117,066 | - |
| Total | 540,068 | 4,974 | 7,182 | | 455,924 | 72,444 | | 13,764 |
| 2018 January - September | 563,304 | 4,352 | 7,814 | | 518,975 | 87,163 | | - |
| 2017 January - September | 580,677 | 6,420 | 7,651 | | 544,060 | 68,747 | | - |

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, 2013 - 2019

(thousand short tons)

| Year and quarter | Production | Imports | Producer and distributor stocks ¹ | Consumption ² | Exports |
|---------------------------------|---------------|------------|--|--------------------------|--------------|
| 2013 | | | | | |
| January - March | 3,841 | 57 | 573 | 3,763 | 167 |
| April - June | 3,954 | 42 | 757 | 3,599 | 212 |
| July - September | 3,742 | 31 | 778 | 3,539 | 213 |
| October - December | 3,783 | 8 | 872 | 3,450 | 247 |
| Total | 15,320 | 138 | | 14,351 | 840 |
| 2014 | | | | | |
| January - March | 3,483 | 2 | 718 | 3,515 | 124 |
| April - June | 3,718 | 38 | 751 | 3,531 | 192 |
| July - September | 4,036 | 12 | 786 | 3,697 | 316 |
| October - December | 3,917 | 25 | 797 | 3,616 | 315 |
| Total | 15,154 | 77 | | 14,359 | 946 |
| 2015 | | | | | |
| January - March | 3,611 | 3 | 1,044 | 3,204 | 163 |
| April - June | 3,511 | 10 | 1,127 | 3,135 | 302 |
| July - September | 3,507 | 74 | 785 | 3,770 | 152 |
| October - December | 3,126 | 54 | 707 | 3,018 | 239 |
| Total | 13,755 | 140 | | 13,128 | 857 |
| 2016 | | | | | |
| January - March | 2,950 | 4 | 831 | 2,757 | 72 |
| April - June | 2,927 | 95 | 765 | 2,919 | 169 |
| July - September | 2,987 | 73 | 656 | 2,877 | 291 |
| October - December | 2,992 | 57 | 579 | 2,659 | 467 |
| Total | 11,855 | 229 | | 11,212 | 1,000 |
| 2017 | | | | | |
| January - March | 3,027 | 1 | 448 | 2,918 | 242 |
| April - June | 3,124 | 27 | 414 | 2,953 | 231 |
| July - September | 3,411 | 5 | 465 | 3,087 | 278 |
| October - December | 3,386 | 25 | 558 | 2,860 | 458 |
| Total | 12,948 | 58 | | 11,818 | 1,209 |
| 2018 | | | | | |
| January - March | 3,219 | 4 | 405 | 3,072 | 304 |
| April - June | 3,479 | 68 | 440 | 3,225 | 286 |
| July - September | 3,564 | 10 | 396 | 3,412 | 206 |
| October - December | 3,545 | 35 | 354 | 3,268 | 354 |
| Total | 13,806 | 117 | | 12,976 | 1,151 |
| 2019 | | | | | |
| January - March | 3,323 | 6 | 361 | 3,131 | 190 |
| April - June | 3,495 | 40 | 430 | 3,245 | 222 |
| July - September | 3,363 | 30 | 435 | 3,146 | 242 |
| Total | 10,181 | 76 | | 9,521 | 654 |
| 2018 January - September | 10,262 | 82 | | 9,709 | 797 |
| 2017 January - September | 9,562 | 33 | | 8,958 | 751 |

1 Reported as of the last day of the quarter.

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

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

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

Table ES-3. Summary statistics for coal refining plants, 2013 - 2019

(thousand short tons)

| Year and quarter | Coal receipts by rank | | | | Average price of receipts (dollars per short ton) | Refined coal produced | Refined coal sold |
|--------------------|-----------------------|---------------|---------------|----------------|--|-----------------------|-------------------|
| | Bituminous | Subbituminous | Lignite | Total | | | |
| 2013 | | | | | | | |
| January - March | - | 2,733 | 2,334 | 5,067 | 24.60 | 4,989 | - |
| April - June | - | 2,105 | 1,910 | 4,015 | 25.24 | 3,615 | - |
| July - September | 54 | 3,279 | 2,823 | 6,156 | 26.93 | 6,197 | - |
| October - December | 733 | 3,848 | 2,635 | 7,216 | 29.01 | 6,111 | - |
| Total | 786 | 11,966 | 9,701 | 22,454 | 26.77 | 20,912 | - |
| 2014 | | | | | | | |
| January - March | 486 | 4,887 | 2,623 | 7,996 | 29.13 | 7,717 | - |
| April - June | 552 | 3,985 | 2,737 | 7,273 | 28.16 | 6,909 | - |
| July - September | 426 | 7,550 | 3,181 | 11,157 | 30.08 | 10,113 | - |
| October - December | 1,130 | 8,549 | 2,841 | 12,520 | 28.13 | 11,105 | - |
| Total | 2,594 | 24,972 | 11,381 | 38,946 | 28.90 | 35,843 | - |
| 2015 | | | | | | | |
| January - March | 1,475 | 7,784 | 3,212 | 12,471 | 29.07 | 11,403 | - |
| April - June | 1,355 | 7,435 | 3,146 | 11,936 | 28.67 | 11,237 | - |
| July - September | w | w | w | w | w | w | w |
| October - December | w | w | w | w | w | w | w |
| Total | w | w | w | w | w | w | w |
| 2016 | | | | | | | |
| January - March | w | w | w | w | w | w | w |
| April - June | w | w | w | w | w | w | w |
| July - September | w | w | w | w | w | w | w |
| October - December | w | w | w | w | w | w | w |
| Total | w | w | w | w | w | w | w |
| 2017 | | | | | | | |
| January - March | w | w | w | w | w | w | w |
| April - June | w | w | w | w | w | w | w |
| July - September | 15,073 | 17,625 | 3,186 | 35,884 | 35.69 | 33,556 | 33,556 |
| October - December | 13,245 | 17,509 | 2,798 | 33,552 | 35.75 | 31,894 | 31,894 |
| Total | w | w | w | w | w | w | w |
| 2018 | | | | | | | |
| January - March | 14,908 | 16,401 | 4,016 | 35,326 | 36.93 | 46,972 | 46,972 |
| April - June | 15,458 | 14,820 | 4,959 | 35,236 | 37.01 | 33,989 | 33,989 |
| July - September | 19,199 | 18,761 | 4,302 | 42,262 | 36.51 | 41,867 | 41,867 |
| October - December | 18,144 | 19,317 | 3,951 | 41,412 | 36.45 | 38,320 | 38,320 |
| Total | 67,710 | 69,299 | 17,228 | 154,237 | 36.71 | 161,148 | 161,148 |
| 2019 | | | | | | | |
| January - March | 17,083 | 15,688 | 3,660 | 36,431 | 36.41 | 36,210 | 36,210 |
| April - June | 14,789 | 25,509 | 4,580 | 44,878 | 34.99 | 40,809 | 40,809 |
| July - September | 20,057 | 28,731 | 5,655 | 54,443 | 33.69 | 53,059 | 53,059 |
| Total | 51,930 | 69,928 | 13,895 | 135,752 | 34.85 | 130,077 | 130,077 |

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.'

Respondent survey frame updated for Q3 2017 to include full universe of coal refining facilities. Frame was incomplete prior to Q3 2017, resulting in incomplete data.

Production

Table 1. U.S. coal production, 2013 - 2019

(thousand short tons)

| Year | January - March | April - June | July - September | October - December | Total |
|-------------|------------------------|---------------------|-------------------------|---------------------------|--------------|
| 2013 | 244,867 | 243,211 | 257,595 | 239,169 | 984,842 |
| 2014 | 245,271 | 245,844 | 255,377 | 253,557 | 1,000,049 |
| 2015 | 240,324 | 212,557 | 236,823 | 207,237 | 896,941 |
| 2016 | 173,225 | 160,853 | 195,101 | 199,186 | 728,364 |
| 2017 | 197,138 | 187,098 | 196,440 | 193,933 | 774,609 |
| 2018 | 187,743 | 180,829 | 194,731 | 192,863 | 756,167 |
| 2019 | 179,536 | 179,176 | 181,356 | - | 540,068 |

- = No data reported.

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

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

Table 2. Coal production by state

(thousand short tons)

| Coal-producing region and state | July - September 2019 | April - June 2019 | July - September 2018 | Year to date | | Percent change |
|----------------------------------|-----------------------|-------------------|-----------------------|----------------|----------------|----------------|
| | | | | 2019 | 2018 | |
| Alabama | 3,399 | 3,923 | 3,648 | 11,145 | 11,118 | 0.2 |
| Alaska | 234 | 246 | 189 | 732 | 610 | 20.0 |
| Arizona | 579 | 1,760 | 1,720 | 3,843 | 4,938 | -22.2 |
| Colorado | 3,323 | 2,829 | 3,628 | 9,638 | 10,682 | -9.8 |
| Illinois | 11,568 | 11,834 | 12,382 | 36,413 | 37,130 | -1.9 |
| Indiana | 7,620 | 8,273 | 8,426 | 24,791 | 25,515 | -2.8 |
| Kentucky Total | 8,752 | 9,449 | 9,674 | 28,195 | 29,821 | -5.5 |
| Eastern (Kentucky) | 3,285 | 3,688 | 4,108 | 10,852 | 12,886 | -15.8 |
| Western (Kentucky) | 5,467 | 5,761 | 5,566 | 17,343 | 16,935 | 2.4 |
| Louisiana | 470 | 379 | 512 | 1,081 | 1,191 | -9.2 |
| Maryland | 372 | 375 | 277 | 1,127 | 947 | 19.0 |
| Mississippi | 726 | 782 | 862 | 2,104 | 2,271 | -7.4 |
| Missouri | 50 | 49 | 64 | 149 | 194 | -23.2 |
| Montana | 10,584 | 8,467 | 9,568 | 26,133 | 27,704 | -5.7 |
| New Mexico | 3,636 | 3,985 | 3,045 | 11,349 | 6,808 | 66.7 |
| North Dakota | 6,842 | 5,958 | 7,921 | 20,001 | 22,338 | -10.5 |
| Ohio | 1,823 | 2,381 | 2,404 | 6,144 | 6,536 | -6.0 |
| Oklahoma | 60 | 57 | 241 | 181 | 623 | -71.0 |
| Pennsylvania Total | 11,392 | 13,621 | 11,645 | 37,508 | 37,234 | 0.7 |
| Anthracite (Pennsylvania) | 630 | 672 | 443 | 1,822 | 1,322 | 37.8 |
| Bituminous (Pennsylvania) | 10,762 | 12,949 | 11,202 | 35,686 | 35,913 | -0.6 |
| Tennessee | 146 | 108 | 58 | 325 | 176 | 84.0 |
| Texas | 6,409 | 5,100 | 6,642 | 17,956 | 19,192 | -6.4 |
| Utah | 3,164 | 3,922 | 3,484 | 11,244 | 10,186 | 10.4 |
| Virginia | 3,259 | 3,163 | 3,160 | 9,547 | 9,494 | 0.6 |
| West Virginia Total | 22,872 | 25,107 | 23,521 | 71,751 | 72,004 | -0.4 |
| Northern (West Virginia) | 11,211 | 12,701 | 11,315 | 36,067 | 34,208 | 5.4 |
| Southern (West Virginia) | 11,662 | 12,406 | 12,206 | 35,684 | 37,796 | -5.6 |
| Wyoming | 74,005 | 67,282 | 81,469 | 208,413 | 226,042 | -7.8 |
| Appalachia Total | 46,549 | 52,365 | 48,821 | 148,399 | 150,395 | -1.3 |
| Appalachia Central | 18,352 | 19,364 | 19,532 | 56,408 | 60,352 | -6.5 |
| Appalachia Northern | 24,798 | 29,078 | 25,641 | 80,846 | 78,925 | 2.4 |
| Appalachia Southern | 3,399 | 3,923 | 3,648 | 11,145 | 11,118 | 0.2 |
| Interior Region Total | 32,370 | 32,235 | 34,696 | 100,017 | 103,051 | -2.9 |
| Illinois Basin | 24,655 | 25,868 | 26,374 | 78,547 | 79,580 | -1.3 |
| Interior | 7,715 | 6,367 | 8,322 | 21,470 | 23,471 | -8.5 |
| Western Region Total | 102,367 | 94,449 | 111,024 | 291,353 | 309,308 | -5.8 |
| Powder River Basin | 79,980 | 71,439 | 86,615 | 221,833 | 240,322 | -7.7 |
| Uinta Region | 6,226 | 6,549 | 6,849 | 20,236 | 19,992 | 1.2 |
| Western | 16,161 | 16,461 | 17,561 | 49,283 | 48,994 | 0.6 |
| East of Mississippi River | 71,930 | 79,015 | 76,057 | 229,050 | 232,246 | -1.4 |
| West of Mississippi River | 109,356 | 100,034 | 118,485 | 310,719 | 330,508 | -6.0 |
| U.S. Subtotal | 181,286 | 179,049 | 194,541 | 539,769 | 562,754 | -4.1 |
| Refuse recovery | 70 | 126 | 190 | 299 | 551 | -45.7 |
| U.S. Total | 181,356 | 179,176 | 194,731 | 540,068 | 563,304 | -4.1 |

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

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

Table 3. Coke and breeze production at coke plants

(thousand short tons)

| Census division | July - September 2019 | April - June 2019 | July - September 2018 | Year to date | | Percent change |
|---------------------|--------------------------|----------------------|--------------------------|---------------|---------------|-------------------|
| | | | | 2019 | 2018 | |
| Middle Atlantic | 989 | 1,082 | 1,152 | 3,087 | 3,196 | -3.4 |
| East North Central | 1,963 | 2,038 | 2,014 | 5,926 | 5,839 | 1.5 |
| South Atlantic | 353 | 338 | 332 | 1,027 | 955 | 7.5 |
| East South Central | 207 | 222 | 258 | 645 | 794 | -18.7 |
| U.S. Total | 3,512 | 3,680 | 3,756 | 10,685 | 10,784 | -0.9 |
| Coke Total | 3,363 | 3,495 | 3,564 | 10,181 | 10,262 | -0.8 |
| Breeze Total | 149 | 185 | 192 | 504 | 522 | -3.5 |

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

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

Exports and imports

Table 4. U.S. coal exports and imports, 2013 - 2019

(thousand short tons)

| Year | January - March | | April - June | | July - September | | October - December | | Total | |
|------|-----------------|---------|--------------|---------|------------------|---------|--------------------|---------|---------|---------|
| | Exports | Imports | Exports | Imports | Exports | Imports | Exports | Imports | Exports | Imports |
| 2013 | 31,835 | 1,429 | 29,427 | 2,756 | 28,589 | 2,398 | 27,809 | 2,323 | 117,659 | 8,906 |
| 2014 | 27,584 | 2,450 | 24,674 | 3,574 | 22,723 | 3,151 | 22,276 | 2,174 | 97,257 | 11,350 |
| 2015 | 21,979 | 3,009 | 19,766 | 2,640 | 16,914 | 2,965 | 15,299 | 2,705 | 73,958 | 11,318 |
| 2016 | 14,153 | 2,698 | 14,223 | 2,292 | 12,552 | 2,733 | 19,343 | 2,124 | 60,271 | 9,846 |
| 2017 | 22,307 | 1,915 | 21,796 | 2,197 | 24,644 | 2,308 | 28,206 | 1,357 | 96,953 | 7,777 |
| 2018 | 27,221 | 1,367 | 30,876 | 1,546 | 29,067 | 1,439 | 28,469 | 1,602 | 115,632 | 5,954 |
| 2019 | 25,210 | 1,689 | 25,315 | 1,604 | 21,918 | 1,681 | - | - | 72,444 | 4,974 |

- = No data reported.

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

Source: Exports: U.S. Department of Commerce, Bureau of the Census, 'Monthly Report EM 545;' and Imports: U.S. Department of Commerce, Bureau of the Census, 'Monthly Report IM 145.'

Table 5. Average price of U.S. coal exports and imports, 2013 - 2019

(dollars per short ton)

| Year | January - March | | April - June | | July - September | | October - December | | Total | |
|------|-----------------|---------|--------------|---------|------------------|---------|--------------------|---------|---------|---------|
| | Exports | Imports | Exports | Imports | Exports | Imports | Exports | Imports | Exports | Imports |
| 2013 | 99.68 | 86.87 | 96.77 | 83.18 | 91.64 | 81.66 | 91.46 | 83.12 | 95.06 | 83.35 |
| 2014 | 90.72 | 78.15 | 86.24 | 80.46 | 85.69 | 80.60 | 84.94 | 85.48 | 87.08 | 80.96 |
| 2015 | 82.31 | 69.95 | 80.14 | 74.40 | 73.52 | 71.85 | 68.61 | 70.48 | 76.89 | 71.61 |
| 2016 | 61.41 | 63.97 | 65.79 | 66.30 | 67.24 | 62.70 | 92.57 | 71.32 | 73.66 | 65.75 |
| 2017 | 110.44 | 74.81 | 110.65 | 79.44 | 98.79 | 79.71 | 90.59 | 86.54 | 101.75 | 79.62 |
| 2018 | 105.78 | 71.48 | 103.26 | 82.95 | 99.30 | 91.02 | 108.58 | 83.07 | 104.17 | 82.30 |
| 2019 | 110.36 | 78.43 | 112.20 | 84.78 | 104.43 | 81.65 | - | - | 109.21 | 81.56 |

- = No data reported.

Note: Exports: Average price is based on the free alongside ship (f.a.s.) value. Imports: Average price is based on the customs import value. Customs import value is the price paid for merchandise when sold for exportation to the United States, excluding U.S. import duties, freight, insurance, and other charges incurred in bringing the merchandise to the United States. Total may not equal sum of components because of independent rounding.

Source: Exports: U.S. Department of Commerce, Bureau of the Census, 'Monthly Report EM 545;' and Imports: U.S. Department of Commerce, Bureau of the Census, 'Monthly Report IM 145.'

Table 6. Quantity and average price of U.S. coal imports by origin, 2013 - 2019

(short tons and dollars per short ton)

| Year and quarter | Australia | Canada | Colombia | Indonesia | China | Venezuela | Other countries | Total |
|--------------------|----------------|------------------|------------------|------------------|---------------|----------------|-----------------|-------------------|
| 2013 | 22 | 1,116,076 | 6,575,927 | 886,920 | 51,944 | 42,428 | 233,108 | 8,906,425 |
| 2014 | 532 | 1,026,523 | 8,295,286 | 1,526,611 | 39,776 | 288,738 | 172,460 | 11,349,926 |
| 2015 | 60,994 | 1,187,655 | 8,936,034 | 890,124 | 16,099 | 74,175 | 152,930 | 11,318,011 |
| 2016 | 121,967 | 1,078,480 | 7,890,800 | 613,944 | 6,955 | - | 134,212 | 9,846,358 |
| 2017 | 700 | 891,734 | 6,086,612 | 699,453 | 6,474 | 46 | 92,153 | 7,777,172 |
| 2018 | | | | | | | | |
| January - March | - | 105,103 | 1,032,860 | 196,457 | 4,962 | - | 27,580 | 1,366,962 |
| April - June | - | 210,538 | 1,057,691 | 265,469 | 3,978 | - | 8,724 | 1,546,400 |
| July - September | - | 256,680 | 839,988 | 255,835 | 13,312 | - | 72,895 | 1,438,710 |
| October - December | - | 198,038 | 1,130,042 | 197,427 | 6,372 | - | 70,199 | 1,602,078 |
| U.S. Total | - | 770,359 | 4,060,581 | 915,188 | 28,624 | - | 179,398 | 5,954,150 |
| 2019 | | | | | | | | |
| January - March | - | 146,411 | 1,305,247 | 198,104 | 5,037 | - | 34,000 | 1,688,799 |
| April - June | - | 233,037 | 1,147,247 | 187,599 | 10,533 | - | 25,336 | 1,603,752 |
| July - September | - | 215,753 | 1,249,816 | 133,890 | 7,511 | - | 74,304 | 1,681,274 |
| U.S. Total | - | 595,201 | 3,702,310 | 519,593 | 23,081 | - | 133,640 | 4,973,825 |

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

| | | | | | | | | |
|--------------------|---------------|---------------|--------------|--------------|---------------|---------------|---------------|--------------|
| 2013 | 182.64 | 145.52 | 75.11 | 59.45 | 107.55 | 91.81 | 101.89 | 83.35 |
| 2014 | 117.40 | 131.45 | 78.63 | 56.36 | 155.20 | 83.80 | 88.53 | 80.96 |
| 2015 | 60.25 | 114.88 | 66.70 | 56.65 | 184.78 | 68.88 | 103.61 | 71.61 |
| 2016 | 47.66 | 77.40 | 65.10 | 52.17 | 126.99 | - | 85.65 | 65.75 |
| 2017 | 74.89 | 189.83 | 64.44 | 64.11 | 97.33 | 103.33 | 132.12 | 79.62 |
| 2018 | | | | | | | | |
| January - March | - | 181.51 | 58.37 | 74.05 | 162.88 | - | 108.36 | 71.48 |
| April - June | - | 212.64 | 59.31 | 71.57 | 260.72 | - | 84.50 | 82.95 |
| July - September | - | 186.35 | 61.92 | 78.15 | 74.93 | - | 138.82 | 91.02 |
| October - December | - | 180.03 | 65.24 | 78.42 | 146.86 | - | 104.02 | 83.07 |
| U.S. Total | - | 191.25 | 61.26 | 75.42 | 132.01 | - | 117.88 | 82.30 |
| 2019 | | | | | | | | |
| January - March | - | 190.57 | 65.86 | 62.20 | 77.31 | - | 172.73 | 78.43 |
| April - June | - | 195.79 | 64.32 | 62.15 | 172.54 | - | 121.19 | 84.78 |
| July - September | - | 192.93 | 60.76 | 59.79 | 76.33 | - | 149.84 | 81.65 |
| U.S. Total | - | 193.47 | 63.66 | 61.56 | 120.45 | - | 150.23 | 81.56 |

- = No data reported.

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

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

Table 7. U.S. coal exports

(short tons)

| Continent and country of destination | July - September 2019 | April - June 2019 | July - September 2018 | Year to date | | Percent change |
|--------------------------------------|-----------------------|-------------------|-----------------------|-------------------|-------------------|----------------|
| | | | | 2019 | 2018 | |
| North America Total | 2,723,493 | 2,531,687 | 3,508,089 | 6,942,094 | 8,974,032 | -22.6 |
| Canada* | 1,717,298 | 1,620,734 | 1,624,597 | 3,551,436 | 3,804,108 | -6.6 |
| Dominica | - | - | - | - | 50,486 | - |
| Dominican Republic | 182,635 | 228,459 | 90,814 | 642,741 | 152,813 | 320.6 |
| Guatemala | 172 | 34,564 | 71,620 | 164,184 | 203,841 | -19.5 |
| Honduras | 43,376 | 41,100 | 42,219 | 128,389 | 123,111 | 4.3 |
| Jamaica | 36,578 | 35,548 | - | 105,328 | 36,396 | 189.4 |
| Mexico | 626,502 | 449,946 | 1,439,991 | 1,990,397 | 4,205,116 | -52.7 |
| Panama | 800 | - | 56,836 | 800 | 152,562 | -99.5 |
| Trinidad and Tobago | 115,844 | 121,254 | 181,913 | 358,354 | 245,190 | 46.2 |
| Other** | 288 | 82 | 99 | 465 | 409 | 13.7 |
| South America Total | 1,909,351 | 2,483,530 | 2,409,482 | 6,807,595 | 7,746,430 | -12.1 |
| Argentina | 45,050 | 93,484 | 185,522 | 222,571 | 543,957 | -59.1 |
| Brazil | 1,667,409 | 2,080,729 | 1,943,568 | 5,744,320 | 6,378,088 | -9.9 |
| Chile | 196,327 | 253,822 | 240,700 | 783,238 | 744,139 | 5.3 |
| Other** | 565 | 55,495 | 39,692 | 57,466 | 80,246 | -28.4 |
| Europe Total | 7,520,590 | 8,935,825 | 11,726,370 | 25,827,759 | 31,924,532 | -19.1 |
| Austria | 505,090 | 672,083 | 211,878 | 1,854,441 | 485,950 | 281.6 |
| Belgium | 183,819 | 191,148 | 222,220 | 506,436 | 833,614 | -39.2 |
| Bosnia and Herzegovina | - | 20,393 | - | 20,393 | - | - |
| Croatia | 460,326 | 410,686 | 667,762 | 1,445,788 | 1,905,184 | -24.1 |
| Finland | 184,410 | 156,857 | 242,510 | 341,267 | 382,702 | -10.8 |
| France | 292,642 | 336,217 | 355,403 | 1,007,797 | 1,278,173 | -21.2 |
| Germany, Federal Republic of | 345,201 | 470,759 | 871,622 | 1,349,870 | 2,709,418 | -50.2 |
| Greece | - | 22,460 | - | 106,400 | 85,704 | 24.1 |
| Italy | 544,493 | 470,904 | 853,944 | 1,866,386 | 2,417,641 | -22.8 |
| Luxembourg | - | - | 63,235 | - | 63,235 | - |
| Netherlands | 1,831,205 | 2,968,179 | 3,492,205 | 7,980,202 | 8,544,938 | -6.6 |
| Norway | 16,781 | 17,656 | 19,451 | 41,579 | 51,964 | -20.0 |
| Poland | 243,444 | 435,110 | 387,692 | 1,090,649 | 1,396,223 | -21.9 |
| Portugal | 157,079 | 170,108 | 93,855 | 678,535 | 498,022 | 36.2 |
| Romania | 175,516 | 169,210 | 97,459 | 421,888 | 282,999 | 49.1 |
| Slovakia | - | 61,168 | - | 72,210 | 55,139 | 31.0 |
| Slovenia | - | - | - | 59,778 | 127,242 | -53.0 |
| Spain | 91,517 | 188,367 | 598,164 | 532,635 | 1,443,841 | -63.1 |
| Sweden | 84,476 | 120,674 | 218,253 | 352,179 | 520,749 | -32.4 |
| Turkey | 483,146 | 442,640 | 805,673 | 1,175,077 | 2,662,025 | -55.9 |
| Ukraine | 1,487,165 | 1,337,875 | 1,251,606 | 3,693,740 | 3,569,450 | 3.5 |
| United Kingdom | 421,825 | 248,886 | 1,272,996 | 1,193,108 | 2,608,988 | -54.3 |
| Other** | 12,455 | 24,445 | 442 | 37,401 | 1,331 | NM |
| Asia Total | 7,776,315 | 8,786,283 | 9,166,009 | 25,730,009 | 31,750,390 | -19.0 |
| China | 116,364 | 301,665 | 434,413 | 853,764 | 2,472,025 | -65.5 |
| India | 2,258,358 | 3,646,421 | 3,729,446 | 10,292,890 | 13,716,222 | -25.0 |
| Japan | 2,807,997 | 3,043,817 | 2,475,990 | 8,544,758 | 7,404,212 | 15.4 |
| Jordan | - | - | - | - | 59,039 | - |
| Pakistan | 22 | 61 | 60,304 | 83 | 191,514 | -100.0 |
| South Korea (Republic of Korea) | 2,589,804 | 1,771,077 | 2,463,333 | 6,007,886 | 7,511,921 | -20.0 |
| Thailand | 372 | 332 | 457 | 859 | 386,678 | -99.8 |
| Other** | 3,398 | 22,910 | 2,066 | 29,769 | 8,779 | 239.1 |
| Australia and Oceania Total | 42 | 42 | 70 | 1,167 | 282 | 313.8 |
| Other** | 42 | 42 | 70 | 1,167 | 282 | 313.8 |
| Africa Total | 1,988,614 | 2,578,033 | 2,256,681 | 7,135,183 | 6,767,418 | 5.4 |
| Central African Republic | - | - | 89,546 | - | 89,546 | - |
| Egypt | 1,147,716 | 1,491,319 | 922,142 | 3,776,631 | 3,154,647 | 19.7 |

| Continent and country of destination | July - September 2019 | April - June 2019 | July - September 2018 | Year to date | | Percent change |
|--------------------------------------|-----------------------|-------------------|-----------------------|-------------------|-------------------|----------------|
| | | | | 2019 | 2018 | |
| Ghana | 30,314 | 28,233 | 28,308 | 58,547 | 55,866 | 4.8 |
| Morocco | 650,495 | 946,552 | 988,345 | 2,929,957 | 3,133,414 | -6.5 |
| Senegal | 36,430 | 33,069 | 38,381 | 69,499 | 71,450 | -2.7 |
| South Africa | 24,321 | 78,815 | 79,946 | 103,136 | 80,417 | 28.3 |
| Togo | 99,323 | - | 110,013 | 197,353 | 164,059 | 20.3 |
| Other** | 15 | 45 | - | 60 | 18,019 | -99.7 |
| Total | 21,918,405 | 25,315,400 | 29,066,701 | 72,443,807 | 87,163,084 | -16.9 |

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

** Includes countries with coal exports less than or equal to 50,000 short tons in 2018.

- = No data reported.

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

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

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

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

(dollars per short ton)

| Continent and country of destination | July - September 2019 | April - June 2019 | July - September 2018 | Year to date | | Percent change |
|--------------------------------------|-----------------------|-------------------|-----------------------|---------------|---------------|----------------|
| | | | | 2019 | 2018 | |
| North America Total | 101.96 | 109.16 | 82.30 | 96.21 | 78.02 | 23.3 |
| Canada* | 117.15 | 121.77 | 105.29 | 117.13 | 108.55 | 7.9 |
| Dominica | - | - | - | - | 45.32 | - |
| Dominican Republic | 93.20 | 77.61 | 59.22 | 85.84 | 61.08 | 40.5 |
| Guatemala | 317.44 | 68.98 | 62.96 | 70.21 | 60.63 | 15.8 |
| Honduras | 58.97 | 61.29 | 58.97 | 61.40 | 54.25 | 13.2 |
| Jamaica | 63.50 | 63.50 | - | 71.53 | 54.50 | 31.2 |
| Mexico | 63.24 | 77.55 | 48.99 | 58.52 | 48.27 | 21.2 |
| Panama | 220.65 | - | 58.97 | 220.65 | 56.14 | 293.0 |
| Trinidad and Tobago | 127.01 | 158.14 | 172.51 | 147.98 | 174.83 | -15.4 |
| Other** | 201.67 | 401.13 | 195.75 | 227.90 | 314.97 | -27.6 |
| South America Total | 121.63 | 135.75 | 128.09 | 131.43 | 132.32 | -0.7 |
| Argentina | 160.65 | 176.20 | 169.48 | 172.16 | 177.05 | -2.8 |
| Brazil | 128.89 | 145.52 | 132.61 | 140.56 | 136.62 | 2.9 |
| Chile | 49.98 | 55.20 | 68.52 | 56.51 | 68.61 | -17.6 |
| Other** | 480.14 | 69.79 | 74.71 | 82.60 | 77.49 | 6.6 |
| Europe Total | 119.93 | 130.92 | 112.50 | 125.73 | 117.55 | 7.0 |
| Austria | 139.96 | 173.79 | 164.41 | 168.10 | 173.04 | -2.9 |
| Belgium | 122.82 | 171.11 | 158.08 | 156.82 | 160.22 | -2.1 |
| Bosnia and Herzegovina | - | 143.33 | - | 143.33 | - | - |
| Croatia | 146.80 | 159.76 | 150.87 | 160.55 | 148.05 | 8.4 |
| Finland | 163.62 | 185.21 | 162.92 | 173.54 | 155.34 | 11.7 |
| France | 152.96 | 136.85 | 123.64 | 147.98 | 134.83 | 9.8 |
| Germany, Federal Republic of | 61.53 | 90.79 | 87.38 | 81.51 | 107.20 | -24.0 |
| Greece | - | 64.24 | - | 63.15 | 75.27 | -16.1 |
| Italy | 104.11 | 121.14 | 99.98 | 112.39 | 117.77 | -4.6 |
| Luxembourg | - | - | 158.31 | - | 158.31 | - |
| Netherlands | 98.53 | 100.70 | 87.18 | 99.97 | 87.37 | 14.4 |
| Norway | 133.81 | 140.90 | 149.21 | 140.11 | 145.42 | -3.7 |
| Poland | 125.78 | 109.18 | 118.62 | 119.54 | 134.29 | -11.0 |
| Portugal | 72.76 | 108.86 | 63.50 | 90.81 | 62.12 | 46.2 |
| Romania | 63.50 | 111.37 | 68.63 | 100.48 | 79.75 | 26.0 |
| Slovakia | - | 135.22 | - | 135.02 | 144.66 | -6.7 |
| Slovenia | - | - | - | 70.76 | 63.50 | 11.4 |
| Spain | 184.29 | 179.50 | 112.75 | 159.12 | 110.56 | 43.9 |
| Sweden | 143.93 | 162.97 | 137.42 | 155.72 | 147.22 | 5.8 |
| Turkey | 132.41 | 137.56 | 151.90 | 132.67 | 130.88 | 1.4 |
| Ukraine | 133.08 | 174.77 | 161.67 | 159.25 | 162.65 | -2.1 |
| United Kingdom | 140.81 | 115.36 | 82.74 | 121.10 | 96.89 | 25.0 |
| Other** | 166.03 | 167.67 | 123.39 | 165.90 | 104.22 | 59.2 |
| Asia Total | 92.77 | 100.24 | 87.64 | 101.00 | 94.75 | 6.6 |
| China | 107.89 | 109.15 | 76.06 | 109.04 | 119.67 | -8.9 |
| India | 98.62 | 94.80 | 92.43 | 98.92 | 97.19 | 1.8 |
| Japan | 116.56 | 122.28 | 101.24 | 123.61 | 115.23 | 7.3 |
| Jordan | - | - | - | - | 69.17 | - |
| Pakistan | 547.77 | 167.79 | 63.34 | 268.51 | 56.75 | 373.1 |
| South Korea (Republic of Korea) | 61.16 | 72.48 | 69.20 | 71.37 | 64.27 | 11.0 |
| Thailand | 303.60 | 357.42 | 267.30 | 309.66 | 69.83 | 343.4 |
| Other** | 89.74 | 63.70 | 246.21 | 74.85 | 176.04 | -57.5 |
| Australia and Oceania Total | 439.31 | 201.14 | 579.76 | 155.49 | 429.58 | -63.8 |
| Other** | 439.31 | 201.14 | 579.76 | 155.49 | 429.58 | -63.8 |
| Africa Total | 78.25 | 68.37 | 73.67 | 70.42 | 69.09 | 1.9 |
| Central African Republic | - | - | 144.38 | - | 144.38 | - |
| Egypt | 83.70 | 64.58 | 69.20 | 72.00 | 70.12 | 2.7 |

| Continent and country of destination | July - September 2019 | April - June 2019 | July - September 2018 | Year to date | | Percent change |
|--------------------------------------|-----------------------|-------------------|-----------------------|---------------|---------------|----------------|
| | | | | 2019 | 2018 | |
| Ghana | 63.50 | 63.51 | 58.97 | 63.50 | 55.39 | 14.6 |
| Morocco | 69.28 | 69.01 | 64.93 | 66.42 | 63.56 | 4.5 |
| Senegal | 63.50 | 63.50 | 58.97 | 63.50 | 55.61 | 14.2 |
| South Africa | 160.94 | 136.08 | 181.58 | 141.94 | 183.74 | -22.7 |
| Togo | 63.50 | - | 62.68 | 66.46 | 62.95 | 5.6 |
| Other** | 606.73 | 353.07 | - | 416.48 | 117.80 | 253.5 |
| Total | 104.43 | 112.20 | 99.30 | 109.21 | 102.72 | 6.3 |

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

** Includes countries with coal exports less than or equal to 50,000 short tons in 2018.

- = 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 9. U.S. steam coal exports

(short tons)

| Continent and country of destination | July - September 2019 | April - June 2019 | July - September 2018 | Year to date | | Percent change |
|--------------------------------------|-----------------------|-------------------|-----------------------|-------------------|-------------------|----------------|
| | | | | 2019 | 2018 | |
| North America Total | 1,050,774 | 878,020 | 1,818,494 | 3,337,226 | 5,086,068 | -34.4 |
| Canada* | 283,830 | 197,421 | 228,374 | 661,043 | 672,134 | -1.7 |
| Dominica | - | - | - | - | 50,486 | - |
| Dominican Republic | 53,352 | 228,459 | 90,814 | 445,115 | 152,813 | 191.3 |
| Guatemala | 172 | 34,564 | 71,620 | 164,184 | 203,841 | -19.5 |
| Honduras | 43,376 | 41,100 | 42,219 | 128,389 | 123,111 | 4.3 |
| Jamaica | 36,578 | 35,548 | - | 105,328 | 36,396 | 189.4 |
| Mexico | 516,534 | 340,703 | 1,328,500 | 1,715,913 | 3,631,007 | -52.7 |
| Panama | 800 | - | 56,836 | 800 | 152,562 | -99.5 |
| Trinidad and Tobago | 115,844 | 143 | 32 | 115,989 | 63,309 | 83.2 |
| Other** | 288 | 82 | 99 | 465 | 409 | 13.7 |
| South America Total | 211,051 | 318,983 | 427,118 | 1,028,972 | 1,073,787 | -4.2 |
| Argentina | 39 | 118 | 49,648 | 157 | 96,218 | -99.8 |
| Brazil | 14,120 | 9,548 | 97,078 | 188,111 | 153,184 | 22.8 |
| Chile | 196,327 | 253,822 | 240,700 | 783,238 | 744,139 | 5.3 |
| Other** | 565 | 55,495 | 39,692 | 57,466 | 80,246 | -28.4 |
| Europe Total | 1,718,472 | 2,457,599 | 4,641,243 | 7,171,938 | 11,182,139 | -35.9 |
| Austria | - | 22 | 375 | 42 | 375 | -88.8 |
| Belgium | 76,746 | 20,811 | 43 | 97,557 | 43 | NM |
| Bosnia and Herzegovina | - | 20,393 | - | 20,393 | - | - |
| Croatia | 23,041 | - | 78,264 | 23,041 | 90,345 | -74.5 |
| Finland | - | 101 | 1 | 101 | 14,331 | -99.3 |
| France | - | 77,944 | 153,358 | 77,944 | 340,992 | -77.1 |
| Germany, Federal Republic of | 345,201 | 284,273 | 643,605 | 1,008,506 | 1,545,746 | -34.8 |
| Greece | - | 22,460 | - | 106,400 | 85,704 | 24.1 |
| Italy | 67 | 20 | 404,489 | 287,934 | 952,895 | -69.8 |
| Netherlands | 895,560 | 1,685,258 | 1,619,119 | 3,973,225 | 3,953,075 | 0.5 |
| Norway | 205 | - | 4,189 | 206 | 4,189 | -95.1 |
| Poland | 85,227 | 156,287 | 210,425 | 322,264 | 564,160 | -42.9 |
| Portugal | 157,079 | 82,673 | 93,855 | 500,159 | 415,063 | 20.5 |
| Romania | - | - | - | - | 41,201 | - |
| Slovakia | - | 20 | - | 39 | 23 | 69.6 |
| Slovenia | - | - | - | 59,778 | - | - |
| Spain | 42,983 | 1,818 | 347,315 | 156,860 | 820,011 | -80.9 |
| Sweden | - | - | - | - | 34,074 | - |
| Turkey | 546 | 194 | 86,085 | 85,184 | 476,388 | -82.1 |
| Ukraine | 57,511 | - | - | 57,511 | 110,735 | -48.1 |
| United Kingdom | 33,976 | 105,039 | 999,678 | 393,677 | 1,731,458 | -77.3 |
| Other** | 330 | 286 | 442 | 1,117 | 1,331 | -16.1 |
| Asia Total | 4,244,747 | 4,796,582 | 6,247,961 | 13,829,450 | 18,671,429 | -25.9 |
| China | 1,228 | 579 | 189,700 | 3,232 | 371,919 | -99.1 |
| India | 1,204,539 | 2,460,187 | 3,054,197 | 6,668,669 | 8,975,098 | -25.7 |
| Japan | 1,204,987 | 1,082,423 | 1,356,633 | 3,305,336 | 3,272,431 | 1.0 |
| Jordan | - | - | - | - | 59,039 | - |
| Pakistan | 22 | 61 | 60,304 | 83 | 191,514 | -100.0 |
| South Korea (Republic of Korea) | 1,830,301 | 1,248,829 | 1,584,909 | 3,840,441 | 5,406,581 | -29.0 |
| Thailand | 272 | 332 | 304 | 659 | 386,372 | -99.8 |
| Other** | 3,398 | 4,171 | 1,914 | 11,030 | 8,475 | 30.1 |
| Australia and Oceania Total | 42 | 42 | 70 | 1,167 | 282 | 313.8 |
| Other** | 42 | 42 | 70 | 1,167 | 282 | 313.8 |
| Africa Total | 1,221,740 | 1,722,920 | 1,411,101 | 4,598,659 | 4,808,792 | -4.4 |
| Egypt | 1,020,955 | 1,294,478 | 844,981 | 3,312,089 | 2,811,533 | 17.8 |
| Ghana | - | 28,233 | 28,308 | 28,233 | 55,866 | -49.5 |
| Morocco | 127,065 | 367,095 | 389,390 | 1,053,473 | 1,687,366 | -37.6 |

| Continent and country of destination | July - September 2019 | April - June 2019 | July - September 2018 | Year to date | | Percent change |
|--------------------------------------|-----------------------|-------------------|-----------------------|-------------------|-------------------|----------------|
| | | | | 2019 | 2018 | |
| Senegal | - | 33,069 | 38,381 | 33,069 | 71,450 | -53.7 |
| South Africa | 24,321 | - | 28 | 24,321 | 499 | NM |
| Togo | 49,384 | - | 110,013 | 147,414 | 164,059 | -10.1 |
| Other** | 15 | 45 | - | 60 | 18,019 | -99.7 |
| Total | 8,446,826 | 10,174,146 | 14,545,987 | 29,967,412 | 40,822,497 | -26.6 |

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

** Includes countries with coal exports less than or equal to 50,000 short tons in 2018.

- = No data reported.

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

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

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

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

(dollars per short ton)

| Continent and country of destination | July - September 2019 | April - June 2019 | July - September 2018 | Year to date | | Percent change |
|--------------------------------------|-----------------------|-------------------|-----------------------|---------------|---------------|----------------|
| | | | | 2019 | 2018 | |
| North America Total | 70.51 | 68.17 | 51.45 | 62.24 | 51.50 | 20.9 |
| Canada* | 92.84 | 91.81 | 103.20 | 86.98 | 103.76 | -16.2 |
| Dominica | - | - | - | - | 45.32 | - |
| Dominican Republic | 102.51 | 77.61 | 59.22 | 81.28 | 61.08 | 33.1 |
| Guatemala | 317.44 | 68.98 | 62.96 | 70.21 | 60.63 | 15.8 |
| Honduras | 58.97 | 61.29 | 58.97 | 61.40 | 54.25 | 13.2 |
| Jamaica | 63.50 | 63.50 | - | 71.53 | 54.50 | 31.2 |
| Mexico | 43.35 | 49.16 | 40.81 | 41.98 | 38.38 | 9.4 |
| Panama | 220.65 | - | 58.97 | 220.65 | 56.14 | 293.0 |
| Trinidad and Tobago | 127.01 | 401.36 | 1,016.47 | 127.37 | 181.91 | -30.0 |
| Other** | 201.67 | 401.13 | 195.75 | 227.90 | 314.97 | -27.6 |
| South America Total | 54.78 | 61.09 | 84.86 | 67.03 | 81.96 | -18.2 |
| Argentina | 249.64 | 342.00 | 172.45 | 319.06 | 172.33 | 85.1 |
| Brazil | 103.83 | 163.63 | 84.73 | 105.88 | 92.43 | 14.6 |
| Chile | 49.98 | 55.20 | 68.52 | 56.51 | 68.61 | -17.6 |
| Other** | 480.14 | 69.79 | 74.71 | 82.60 | 77.49 | 6.6 |
| Europe Total | 65.93 | 63.76 | 68.05 | 66.18 | 67.56 | -2.0 |
| Austria | - | 471.45 | 27.66 | 493.90 | 27.66 | NM |
| Belgium | 58.97 | 68.01 | 385.58 | 60.90 | 385.58 | -84.2 |
| Bosnia and Herzegovina | - | 143.33 | - | 143.33 | - | - |
| Croatia | 63.50 | - | 90.72 | 63.50 | 87.08 | -27.1 |
| Finland | - | 435.38 | 3,654.00 | 435.38 | 181.41 | 140.0 |
| France | - | 58.97 | 66.94 | 58.97 | 62.63 | -5.8 |
| Germany, Federal Republic of | 61.53 | 45.01 | 62.50 | 62.32 | 61.07 | 2.0 |
| Greece | - | 64.24 | - | 63.15 | 75.27 | -16.1 |
| Italy | 574.78 | 459.00 | 63.53 | 63.75 | 64.77 | -1.6 |
| Netherlands | 62.14 | 65.22 | 66.89 | 63.73 | 65.69 | -3.0 |
| Norway | 317.07 | - | 140.61 | 328.64 | 140.61 | 133.7 |
| Poland | 59.65 | 63.50 | 75.17 | 61.36 | 84.37 | -27.3 |
| Portugal | 72.76 | 108.86 | 63.50 | 91.79 | 61.84 | 48.4 |
| Romania | - | - | - | - | 63.50 | - |
| Slovakia | - | 1,970.40 | - | 2,223.26 | 2,044.35 | 8.8 |
| Slovenia | - | - | - | 70.76 | - | - |
| Spain | 178.28 | 297.06 | 63.90 | 118.74 | 69.96 | 69.7 |
| Sweden | - | - | - | - | 181.16 | - |
| Turkey | 477.11 | 537.99 | 199.20 | 67.50 | 85.93 | -21.4 |
| Ukraine | 63.50 | - | - | 63.50 | 63.50 | s |
| United Kingdom | 64.92 | 37.12 | 62.47 | 51.59 | 65.41 | -21.1 |
| Other** | 99.53 | 100.48 | 123.39 | 89.33 | 104.22 | -14.3 |
| Asia Total | 54.96 | 70.22 | 65.64 | 66.85 | 61.92 | 8.0 |
| China | 162.85 | 257.03 | 33.74 | 210.94 | 35.37 | 496.4 |
| India | 68.88 | 74.60 | 80.64 | 76.31 | 73.00 | 4.5 |
| Japan | 74.14 | 82.27 | 69.86 | 80.31 | 71.60 | 12.2 |
| Jordan | - | - | - | - | 69.17 | - |
| Pakistan | 547.77 | 167.79 | 63.34 | 268.51 | 56.75 | 373.1 |
| South Korea (Republic of Korea) | 32.98 | 50.86 | 36.77 | 38.55 | 38.84 | -0.7 |
| Thailand | 359.14 | 357.42 | 351.64 | 357.34 | 69.80 | 411.9 |
| Other** | 89.74 | 100.03 | 257.82 | 107.54 | 178.77 | -39.8 |
| Australia and Oceania Total | 439.31 | 201.14 | 579.76 | 155.49 | 429.58 | -63.8 |
| Other** | 439.31 | 201.14 | 579.76 | 155.49 | 429.58 | -63.8 |
| Africa Total | 77.39 | 61.58 | 62.28 | 66.56 | 62.85 | 5.9 |
| Egypt | 80.37 | 58.60 | 59.86 | 66.75 | 62.44 | 6.9 |
| Ghana | - | 63.51 | 58.97 | 63.51 | 55.39 | 14.7 |
| Morocco | 42.84 | 71.76 | 67.94 | 63.79 | 63.36 | 0.7 |

| Continent and country of destination | July - September 2019 | April - June 2019 | July - September 2018 | Year to date | | Percent change |
|--------------------------------------|-----------------------|-------------------|-----------------------|--------------|--------------|----------------|
| | | | | 2019 | 2018 | |
| Senegal | - | 63.50 | 58.97 | 63.50 | 55.61 | 14.2 |
| South Africa | 160.94 | - | 587.71 | 160.94 | 552.54 | -70.9 |
| Togo | 63.50 | - | 62.68 | 67.46 | 62.95 | 7.2 |
| Other** | 606.73 | 353.07 | - | 416.48 | 117.80 | 253.5 |
| Total | 62.37 | 66.73 | 64.88 | 66.14 | 62.81 | 5.3 |

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

** Includes countries with coal exports less than or equal to 50,000 short tons in 2018.

- = No data reported.

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

s = Absolute percentage less than 0.05.

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

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

Table 11. U.S. metallurgical coal exports

(short tons)

| Continent and country of destination | July - September 2019 | April - June 2019 | July - September 2018 | Year to date | | Percent change |
|--------------------------------------|-----------------------|-------------------|-----------------------|-------------------|-------------------|----------------|
| | | | | 2019 | 2018 | |
| North America Total | 1,672,719 | 1,653,667 | 1,689,595 | 3,604,868 | 3,887,964 | -7.3 |
| Canada* | 1,433,468 | 1,423,313 | 1,396,223 | 2,890,393 | 3,131,974 | -7.7 |
| Dominican Republic | 129,283 | - | - | 197,626 | - | - |
| Mexico | 109,968 | 109,243 | 111,491 | 274,484 | 574,109 | -52.2 |
| Trinidad and Tobago | - | 121,111 | 181,881 | 242,365 | 181,881 | 33.3 |
| South America Total | 1,698,300 | 2,164,547 | 1,982,364 | 5,778,623 | 6,672,643 | -13.4 |
| Argentina | 45,011 | 93,366 | 135,874 | 222,414 | 447,739 | -50.3 |
| Brazil | 1,653,289 | 2,071,181 | 1,846,490 | 5,556,209 | 6,224,904 | -10.7 |
| Europe Total | 5,802,118 | 6,478,226 | 7,085,127 | 18,655,821 | 20,742,393 | -10.1 |
| Austria | 505,090 | 672,061 | 211,503 | 1,854,399 | 485,575 | 281.9 |
| Belgium | 107,073 | 170,337 | 222,177 | 408,879 | 833,571 | -50.9 |
| Croatia | 437,285 | 410,686 | 589,498 | 1,422,747 | 1,814,839 | -21.6 |
| Finland | 184,410 | 156,756 | 242,509 | 341,166 | 368,371 | -7.4 |
| France | 292,642 | 258,273 | 202,045 | 929,853 | 937,181 | -0.8 |
| Germany, Federal Republic of | - | 186,486 | 228,017 | 341,364 | 1,163,672 | -70.7 |
| Italy | 544,426 | 470,884 | 449,455 | 1,578,452 | 1,464,746 | 7.8 |
| Luxembourg | - | - | 63,235 | - | 63,235 | - |
| Netherlands | 935,645 | 1,282,921 | 1,873,086 | 4,006,977 | 4,591,863 | -12.7 |
| Norway | 16,576 | 17,656 | 15,262 | 41,373 | 47,775 | -13.4 |
| Poland | 158,217 | 278,823 | 177,267 | 768,385 | 832,063 | -7.7 |
| Portugal | - | 87,435 | - | 178,376 | 82,959 | 115.0 |
| Romania | 175,516 | 169,210 | 97,459 | 421,888 | 241,798 | 74.5 |
| Slovakia | - | 61,148 | - | 72,171 | 55,116 | 30.9 |
| Slovenia | - | - | - | - | 127,242 | - |
| Spain | 48,534 | 186,549 | 250,849 | 375,775 | 623,830 | -39.8 |
| Sweden | 84,476 | 120,674 | 218,253 | 352,179 | 486,675 | -27.6 |
| Turkey | 482,600 | 442,446 | 719,588 | 1,089,893 | 2,185,637 | -50.1 |
| Ukraine | 1,429,654 | 1,337,875 | 1,251,606 | 3,636,229 | 3,458,715 | 5.1 |
| United Kingdom | 387,849 | 143,847 | 273,318 | 799,431 | 877,530 | -8.9 |
| Other** | 12,125 | 24,159 | - | 36,284 | - | - |
| Asia Total | 3,531,568 | 3,989,701 | 2,918,048 | 11,900,559 | 13,078,961 | -9.0 |
| China | 115,136 | 301,086 | 244,713 | 850,532 | 2,100,106 | -59.5 |
| India | 1,053,819 | 1,186,234 | 675,249 | 3,624,221 | 4,741,124 | -23.6 |
| Japan | 1,603,010 | 1,961,394 | 1,119,357 | 5,239,422 | 4,131,781 | 26.8 |
| South Korea (Republic of Korea) | 759,503 | 522,248 | 878,424 | 2,167,445 | 2,105,340 | 2.9 |
| Thailand | 100 | - | 153 | 200 | 306 | -34.6 |
| Other** | - | 18,739 | 152 | 18,739 | 304 | NM |
| Africa Total | 766,874 | 855,113 | 845,580 | 2,536,524 | 1,958,626 | 29.5 |
| Central African Republic | - | - | 89,546 | - | 89,546 | - |
| Egypt | 126,761 | 196,841 | 77,161 | 464,542 | 343,114 | 35.4 |
| Ghana | 30,314 | - | - | 30,314 | - | - |
| Morocco | 523,430 | 579,457 | 598,955 | 1,876,484 | 1,446,048 | 29.8 |
| Senegal | 36,430 | - | - | 36,430 | - | - |
| South Africa | - | 78,815 | 79,918 | 78,815 | 79,918 | -1.4 |
| Togo | 49,939 | - | - | 49,939 | - | - |
| Total | 13,471,579 | 15,141,254 | 14,520,714 | 42,476,395 | 46,340,587 | -8.3 |

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

** Includes countries with coal exports less than or equal to 50,000 short tons in 2018.

- = No data reported.

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

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

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

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

(dollars per short ton)

| Continent and country of destination | July - September 2019 | April - June 2019 | July - September 2018 | Year to date | | Percent change |
|--------------------------------------|-----------------------|-------------------|-----------------------|---------------|---------------|----------------|
| | | | | 2019 | 2018 | |
| North America Total | 121.72 | 130.92 | 115.51 | 127.66 | 112.69 | 13.3 |
| Canada* | 121.96 | 125.93 | 105.63 | 124.03 | 109.58 | 13.2 |
| Dominican Republic | 89.36 | - | - | 96.11 | - | - |
| Mexico | 156.64 | 166.10 | 146.46 | 161.94 | 110.81 | 46.1 |
| Trinidad and Tobago | - | 157.85 | 172.37 | 157.85 | 172.37 | -8.4 |
| South America Total | 129.94 | 146.76 | 137.40 | 142.90 | 140.42 | 1.8 |
| Argentina | 160.57 | 175.99 | 168.39 | 172.06 | 178.06 | -3.4 |
| Brazil | 129.10 | 145.44 | 135.12 | 141.73 | 137.71 | 2.9 |
| Europe Total | 135.93 | 156.40 | 141.62 | 148.63 | 144.49 | 2.9 |
| Austria | 139.96 | 173.78 | 164.65 | 168.10 | 173.15 | -2.9 |
| Belgium | 168.59 | 183.71 | 158.04 | 179.71 | 160.21 | 12.2 |
| Croatia | 151.19 | 159.76 | 158.86 | 162.12 | 151.08 | 7.3 |
| Finland | 163.62 | 185.04 | 162.91 | 173.46 | 154.33 | 12.4 |
| France | 152.96 | 160.36 | 166.68 | 155.45 | 161.10 | -3.5 |
| Germany, Federal Republic of | - | 160.56 | 157.61 | 138.21 | 168.49 | -18.0 |
| Italy | 104.06 | 121.12 | 132.78 | 121.26 | 152.25 | -20.4 |
| Luxembourg | - | - | 158.31 | - | 158.31 | - |
| Netherlands | 133.38 | 147.31 | 104.72 | 135.89 | 106.04 | 28.1 |
| Norway | 131.54 | 140.90 | 151.58 | 139.17 | 145.85 | -4.6 |
| Poland | 161.40 | 134.78 | 170.21 | 143.95 | 168.13 | -14.4 |
| Portugal | - | 108.86 | - | 88.05 | 63.50 | 38.7 |
| Romania | 63.50 | 111.37 | 68.63 | 100.48 | 82.52 | 21.8 |
| Slovakia | - | 134.62 | - | 133.89 | 143.87 | -6.9 |
| Slovenia | - | - | - | - | 63.50 | - |
| Spain | 189.60 | 178.35 | 180.38 | 175.97 | 163.93 | 7.3 |
| Sweden | 143.93 | 162.97 | 137.42 | 155.72 | 144.84 | 7.5 |
| Turkey | 132.02 | 137.38 | 146.24 | 137.76 | 140.68 | -2.1 |
| Ukraine | 135.88 | 174.77 | 161.67 | 160.77 | 165.82 | -3.0 |
| United Kingdom | 147.45 | 172.49 | 156.87 | 155.33 | 159.01 | -2.3 |
| Other** | 167.84 | 168.47 | - | 168.26 | - | - |
| Asia Total | 138.22 | 136.34 | 134.74 | 140.69 | 141.62 | -0.7 |
| China | 107.30 | 108.86 | 108.86 | 108.65 | 134.59 | -19.3 |
| India | 132.62 | 136.68 | 145.75 | 140.52 | 142.98 | -1.7 |
| Japan | 148.45 | 144.36 | 139.26 | 150.93 | 149.78 | 0.8 |
| South Korea (Republic of Korea) | 129.07 | 124.17 | 127.72 | 129.53 | 129.56 | s |
| Thailand | 152.55 | - | 99.71 | 152.55 | 99.68 | 53.0 |
| Other** | - | 55.61 | 100.00 | 55.61 | 100.00 | -44.4 |
| Africa Total | 79.61 | 82.04 | 92.69 | 77.42 | 84.42 | -8.3 |
| Central African Republic | - | - | 144.38 | - | 144.38 | - |
| Egypt | 110.53 | 103.93 | 171.46 | 109.45 | 133.08 | -17.8 |
| Ghana | 63.50 | - | - | 63.50 | - | - |
| Morocco | 75.70 | 67.26 | 62.97 | 67.89 | 63.79 | 6.4 |
| Senegal | 63.50 | - | - | 63.50 | - | - |
| South Africa | - | 136.08 | 181.44 | 136.08 | 181.44 | -25.0 |
| Togo | 63.50 | - | - | 63.50 | - | - |
| Total | 130.80 | 142.75 | 133.77 | 139.59 | 137.89 | 1.2 |

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

** Includes countries with coal exports less than or equal to 50,000 short tons in 2018.

- = No data reported.

s = Absolute percentage less than 0.05.

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

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

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

(short tons)

| Customs district | July - September 2019 | April - June 2019 | July - September 2018 | Year to date | | Percent change |
|-----------------------|--------------------------|----------------------|--------------------------|-------------------|-------------------|-------------------|
| | | | | 2019 | 2018 | |
| Eastern Total | 12,845,229 | 15,699,653 | 16,279,437 | 43,957,429 | 50,319,623 | -12.6 |
| Baltimore, MD | 4,160,517 | 6,160,592 | 5,407,066 | 16,772,785 | 16,826,273 | -0.3 |
| Buffalo, NY | 943,300 | 1,024,982 | 1,026,817 | 1,970,537 | 2,100,043 | -6.2 |
| New York City, NY | 3,529 | 2,739 | 3,115 | 8,086 | 90,759 | -91.1 |
| Norfolk, VA | 7,686,655 | 8,477,510 | 9,793,975 | 25,100,341 | 31,191,700 | -19.5 |
| Ogdensburg, NY | 22,901 | 24,262 | 25,251 | 58,692 | 68,989 | -14.9 |
| Philadelphia, PA | 28,207 | 9,310 | 22,994 | 46,475 | 40,976 | 13.4 |
| Portland, ME | 99 | 258 | 47 | 387 | 489 | -20.9 |
| St. Albans, VT | 21 | - | 172 | 126 | 349 | -63.9 |
| Washington, DC | - | - | - | - | 45 | - |
| Southern Total | 5,355,129 | 6,950,162 | 8,959,101 | 20,000,905 | 25,586,865 | -21.8 |
| Charleston, SC | - | 161 | 80 | 161 | 258 | -37.6 |
| Dallas/Fort Worth, TX | - | - | - | - | 83 | - |
| El Paso, TX | 63,982 | 52,908 | 38,577 | 177,789 | 123,546 | 43.9 |
| Houston-Galveston, TX | 112,815 | 110,331 | 310,248 | 560,735 | 846,469 | -33.8 |
| Laredo, TX | 453,346 | 219,917 | 520,585 | 1,195,649 | 1,693,411 | -29.4 |
| Miami, FL | 90 | 406 | 2,053 | 1,416 | 5,270 | -73.1 |
| Mobile, AL | 2,650,012 | 3,423,009 | 2,551,057 | 8,978,742 | 8,159,895 | 10.0 |
| New Orleans, LA | 2,074,694 | 3,089,309 | 5,535,164 | 9,031,076 | 14,693,865 | -38.5 |
| Port Arthur, TX | - | 54,013 | - | 54,013 | 60,627 | -10.9 |
| Savannah, GA | 142 | 88 | 1,258 | 1,222 | 2,743 | -55.5 |
| Tampa, FL | 48 | 20 | 79 | 102 | 698 | -85.4 |
| Western Total | 3,034,206 | 2,201,936 | 3,321,126 | 7,291,622 | 9,826,752 | -25.8 |
| Anchorage, AK | - | - | - | - | 50 | - |
| Great Falls, MT | 23 | 134 | 138 | 334 | 2,419 | -86.2 |
| Honolulu, HI | - | - | - | - | 1 | - |
| Los Angeles, CA | 264,932 | 341,588 | 405,164 | 954,388 | 1,074,707 | -11.2 |
| Nogales, AZ | 46 | 15,076 | 390,133 | 291,200 | 1,015,237 | -71.3 |
| Portland, OR | 10 | - | 3 | 10 | 6 | 66.7 |
| San Diego, CA | - | 234 | 22 | 256 | 462 | -44.6 |
| San Francisco, CA | 822,326 | 717,663 | 636,329 | 2,209,271 | 2,213,573 | -0.2 |
| Seattle, WA | 1,946,869 | 1,127,241 | 1,889,337 | 3,836,163 | 5,520,297 | -30.5 |
| Northern Total | 669,146 | 450,336 | 502,411 | 1,158,187 | 1,417,863 | -18.3 |
| Chicago, IL | - | 42 | 79 | 64 | 79 | -19.0 |
| Cleveland, OH | 558,567 | 408,286 | 349,043 | 997,082 | 986,606 | 1.1 |
| Detroit, MI | 37,921 | 36,334 | 81,315 | 80,568 | 213,044 | -62.2 |
| Duluth, MN | - | 39 | - | 39 | 3,725 | -99.0 |
| Minneapolis, MN | 67,584 | - | 67,200 | 67,584 | 202,785 | -66.7 |
| Pembina, ND | 5,074 | 5,635 | 4,774 | 12,850 | 11,624 | 10.5 |
| Other Ports | 14,695 | 13,313 | 4,626 | 35,664 | 11,981 | 197.7 |
| Total | 21,918,405 | 25,315,400 | 29,066,701 | 72,443,807 | 87,163,084 | -16.9 |

- = No data reported.

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

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

Table 14. Steam coal exports by customs district

(short tons)

| Customs district | July - September 2019 | April - June 2019 | July - September 2018 | Year to date | | Percent change |
|-----------------------|--------------------------|----------------------|--------------------------|-------------------|-------------------|-------------------|
| | | | | 2019 | 2018 | |
| Eastern Total | 2,431,101 | 4,274,073 | 4,481,082 | 11,197,589 | 13,337,123 | -16.0 |
| Baltimore, MD | 1,910,282 | 3,590,024 | 2,888,523 | 8,914,419 | 8,523,525 | 4.6 |
| Buffalo, NY | 33,576 | 1,739 | 2,802 | 37,375 | 7,991 | 367.7 |
| New York City, NY | 3,529 | 2,739 | 3,115 | 8,086 | 90,671 | -91.1 |
| Norfolk, VA | 435,790 | 648,086 | 1,540,198 | 2,140,662 | 4,624,466 | -53.7 |
| Ogdensburg, NY | 19,618 | 21,917 | 23,294 | 50,185 | 48,716 | 3.0 |
| Philadelphia, PA | 28,207 | 9,310 | 22,994 | 46,475 | 40,976 | 13.4 |
| Portland, ME | 99 | 258 | 47 | 387 | 489 | -20.9 |
| St. Albans, VT | - | - | 109 | - | 244 | - |
| Washington, DC | - | - | - | - | 45 | - |
| Southern Total | 2,818,118 | 3,632,433 | 6,606,930 | 11,233,168 | 17,248,322 | -34.9 |
| Charleston, SC | - | - | 80 | - | 258 | - |
| El Paso, TX | 63,982 | 52,890 | 38,577 | 177,771 | 123,546 | 43.9 |
| Houston-Galveston, TX | 112,815 | 110,331 | 310,163 | 560,735 | 846,384 | -33.7 |
| Laredo, TX | 452,506 | 218,490 | 520,069 | 1,192,673 | 1,660,250 | -28.2 |
| Miami, FL | 90 | 406 | 2,053 | 1,416 | 5,270 | -73.1 |
| Mobile, AL | 172,118 | 301,163 | 215,054 | 589,698 | 445,945 | 32.2 |
| New Orleans, LA | 2,016,517 | 2,895,032 | 5,519,902 | 8,655,738 | 14,103,208 | -38.6 |
| Port Arthur, TX | - | 54,013 | - | 54,013 | 60,627 | -10.9 |
| Savannah, GA | 42 | 88 | 953 | 1,022 | 2,136 | -52.2 |
| Tampa, FL | 48 | 20 | 79 | 102 | 698 | -85.4 |
| Western Total | 3,034,206 | 2,201,716 | 3,321,126 | 7,291,402 | 9,826,752 | -25.8 |
| Anchorage, AK | - | - | - | - | 50 | - |
| Great Falls, MT | 23 | 134 | 138 | 334 | 2,419 | -86.2 |
| Honolulu, HI | - | - | - | - | 1 | - |
| Los Angeles, CA | 264,932 | 341,368 | 405,164 | 954,168 | 1,074,707 | -11.2 |
| Nogales, AZ | 46 | 15,076 | 390,133 | 291,200 | 1,015,237 | -71.3 |
| Portland, OR | 10 | - | 3 | 10 | 6 | 66.7 |
| San Diego, CA | - | 234 | 22 | 256 | 462 | -44.6 |
| San Francisco, CA | 822,326 | 717,663 | 636,329 | 2,209,271 | 2,213,573 | -0.2 |
| Seattle, WA | 1,946,869 | 1,127,241 | 1,889,337 | 3,836,163 | 5,520,297 | -30.5 |
| Northern Total | 153,946 | 55,303 | 132,223 | 217,521 | 398,319 | -45.4 |
| Chicago, IL | - | 42 | 79 | 64 | 79 | -19.0 |
| Cleveland, OH | 61,426 | 31,238 | 60,706 | 92,675 | 121,243 | -23.6 |
| Detroit, MI | 19,862 | 18,349 | 32,811 | 44,309 | 122,426 | -63.8 |
| Duluth, MN | - | 39 | - | 39 | 3,725 | -99.0 |
| Minneapolis, MN | 67,584 | - | 33,853 | 67,584 | 139,676 | -51.6 |
| Pembina, ND | 5,074 | 5,635 | 4,774 | 12,850 | 11,170 | 15.0 |
| Other Ports | 9,455 | 10,621 | 4,626 | 27,732 | 11,981 | 131.5 |
| Total | 8,446,826 | 10,174,146 | 14,545,987 | 29,967,412 | 40,822,497 | -26.6 |

- = No data reported.

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

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

Table 15. Metallurgical coal exports by customs district

(short tons)

| Customs district | July - September 2019 | April - June 2019 | July - September 2018 | Year to date | | Percent change |
|-----------------------|--------------------------|----------------------|--------------------------|-------------------|-------------------|-------------------|
| | | | | 2019 | 2018 | |
| Eastern Total | 10,414,128 | 11,425,580 | 11,798,355 | 32,759,840 | 36,982,500 | -11.4 |
| Baltimore, MD | 2,250,235 | 2,570,568 | 2,518,543 | 7,858,366 | 8,302,748 | -5.4 |
| Buffalo, NY | 909,724 | 1,023,243 | 1,024,015 | 1,933,162 | 2,092,052 | -7.6 |
| New York City, NY | - | - | - | - | 88 | - |
| Norfolk, VA | 7,250,865 | 7,829,424 | 8,253,777 | 22,959,679 | 26,567,234 | -13.6 |
| Ogdensburg, NY | 3,283 | 2,345 | 1,957 | 8,507 | 20,273 | -58.0 |
| St. Albans, VT | 21 | - | 63 | 126 | 105 | 20.0 |
| Southern Total | 2,537,011 | 3,317,729 | 2,352,171 | 8,767,737 | 8,338,543 | 5.1 |
| Charleston, SC | - | 161 | - | 161 | - | - |
| Dallas/Fort Worth, TX | - | - | - | - | 83 | - |
| El Paso, TX | - | 18 | - | 18 | - | - |
| Houston-Galveston, TX | - | - | 85 | - | 85 | - |
| Laredo, TX | 840 | 1,427 | 516 | 2,976 | 33,161 | -91.0 |
| Mobile, AL | 2,477,894 | 3,121,846 | 2,336,003 | 8,389,044 | 7,713,950 | 8.8 |
| New Orleans, LA | 58,177 | 194,277 | 15,262 | 375,338 | 590,657 | -36.5 |
| Savannah, GA | 100 | - | 305 | 200 | 607 | -67.1 |
| Western Total | - | 220 | - | 220 | - | - |
| Los Angeles, CA | - | 220 | - | 220 | - | - |
| Northern Total | 515,200 | 395,033 | 370,188 | 940,666 | 1,019,544 | -7.7 |
| Cleveland, OH | 497,141 | 377,048 | 288,337 | 904,407 | 865,363 | 4.5 |
| Detroit, MI | 18,059 | 17,985 | 48,504 | 36,259 | 90,618 | -60.0 |
| Minneapolis, MN | - | - | 33,347 | - | 63,109 | - |
| Pembina, ND | - | - | - | - | 454 | - |
| Other Ports | 5,240 | 2,692 | - | 7,932 | - | - |
| Total | 13,471,579 | 15,141,254 | 14,520,714 | 42,476,395 | 46,340,587 | -8.3 |

- = No data reported.

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

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

Table 16. U.S. coke exports

(short tons)

| Continent and country of destination | July - September 2019 | April - June 2019 | July - September 2018 | Year to date | | Percent change |
|--------------------------------------|-----------------------|-------------------|-----------------------|----------------|----------------|----------------|
| | | | | 2019 | 2018 | |
| North America Total | 241,351 | 221,695 | 205,873 | 627,606 | 674,278 | -6.9 |
| Canada* | 219,124 | 192,127 | 161,579 | 545,306 | 490,417 | 11.2 |
| Mexico | 21,991 | 29,426 | 44,032 | 81,686 | 183,029 | -55.4 |
| Other** | 236 | 142 | 262 | 614 | 832 | -26.2 |
| South America Total | - | 23 | 20 | 43 | 41 | 4.9 |
| Other** | - | 23 | 20 | 43 | 41 | 4.9 |
| Europe Total | - | 148 | 13 | 394 | 100,465 | -99.6 |
| Other** | - | 148 | 13 | 394 | 37,931 | -99.0 |
| Ukraine | - | - | - | - | 62,534 | - |
| Asia Total | 230 | 428 | 368 | 883 | 1,083 | -18.5 |
| Other** | 230 | 428 | 368 | 883 | 1,083 | -18.5 |
| Australia and Oceania Total | 234 | 125 | 214 | 404 | 395 | 2.3 |
| Other** | 234 | 125 | 214 | 404 | 395 | 2.3 |
| Africa Total | - | - | - | 25,165 | 20,478 | 22.9 |
| Other** | - | - | - | 25,165 | 20,478 | 22.9 |
| Total | 241,815 | 222,419 | 206,488 | 654,495 | 796,740 | -17.9 |

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

** Includes countries with coal exports less than or equal to 50,000 short tons in 2018.

- = No data reported.

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

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

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

(dollars per short ton)

| Continent and country of destination | July - September 2019 | April - June 2019 | July - September 2018 | Year to date | | Percent change |
|--------------------------------------|-----------------------|-------------------|-----------------------|---------------|---------------|----------------|
| | | | | 2019 | 2018 | |
| North America Total | 307.60 | 297.47 | 289.71 | 303.50 | 281.58 | 7.8 |
| Canada* | 297.02 | 297.53 | 284.76 | 297.44 | 272.67 | 9.1 |
| Mexico | 410.08 | 295.17 | 306.08 | 341.62 | 304.07 | 12.3 |
| Other** | 580.37 | 688.65 | 592.53 | 611.91 | 586.49 | 4.3 |
| South America Total | - | 666.43 | 530.00 | 599.26 | 515.22 | 16.3 |
| Other** | - | 666.43 | 530.00 | 599.26 | 515.22 | 16.3 |
| Europe Total | - | 386.76 | 453.85 | 402.89 | 238.88 | 68.7 |
| Other** | - | 386.76 | 453.85 | 402.89 | 222.90 | 80.7 |
| Ukraine | - | - | - | - | 248.57 | - |
| Asia Total | 995.24 | 854.18 | 801.85 | 933.68 | 751.76 | 24.2 |
| Other** | 995.24 | 854.18 | 801.85 | 933.68 | 751.76 | 24.2 |
| Australia and Oceania Total | 602.37 | 410.98 | 546.26 | 530.53 | 440.11 | 20.5 |
| Other** | 602.37 | 410.98 | 546.26 | 530.53 | 440.11 | 20.5 |
| Africa Total | - | - | - | 90.72 | 90.72 | s |
| Other** | - | - | - | 90.72 | 90.72 | s |
| Total | 308.54 | 298.70 | 290.93 | 296.39 | 272.02 | 9.0 |

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

** Includes countries with coal exports less than or equal to 50,000 short tons in 2018.

- = No data reported.

s = Absolute percentage less than 0.05.

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

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

Table 18. U.S. coal imports

(short tons)

| Continent and country of origin | July - September 2019 | April - June 2019 | July - September 2018 | Year to date | | Percent change |
|---------------------------------|-----------------------|-------------------|-----------------------|------------------|------------------|----------------|
| | | | | 2019 | 2018 | |
| North America Total | 215,849 | 233,437 | 256,680 | 596,282 | 572,764 | 4.1 |
| Canada | 215,753 | 233,037 | 256,680 | 595,201 | 572,321 | 4.0 |
| Mexico | 96 | 400 | - | 1,081 | 443 | 144.0 |
| South America Total | 1,250,667 | 1,147,417 | 840,050 | 3,703,331 | 2,930,847 | 26.4 |
| Brazil | 789 | 24 | - | 813 | - | - |
| Colombia | 1,249,816 | 1,147,247 | 839,988 | 3,702,310 | 2,930,539 | 26.3 |
| Peru | 62 | 146 | 62 | 208 | 308 | -32.5 |
| Europe Total | 73,357 | 515 | 32,537 | 107,287 | 60,268 | 78.0 |
| Cyprus | 35,128 | - | - | 35,128 | - | - |
| Germany, Federal Republic of | 2,488 | 370 | 574 | 3,233 | 808 | 300.1 |
| Greece | - | 8 | - | 8 | - | - |
| Luxembourg | - | - | 1,102 | - | 1,102 | - |
| Russia | 35,741 | - | 30,316 | 68,729 | 30,406 | 126.0 |
| Ukraine | - | - | - | - | 27,377 | - |
| United Kingdom | - | 137 | 545 | 189 | 575 | -67.1 |
| Asia Total | 141,401 | 198,132 | 273,067 | 542,674 | 751,817 | -27.8 |
| China | 7,511 | 10,533 | 13,312 | 23,081 | 22,252 | 3.7 |
| Hong Kong | - | - | 3,920 | - | 11,613 | - |
| Indonesia | 133,890 | 187,599 | 255,835 | 519,593 | 717,761 | -27.6 |
| Japan | - | - | - | - | 10 | - |
| Philippines | - | - | - | - | 181 | - |
| Africa Total | - | 24,251 | 36,376 | 24,251 | 36,376 | -33.3 |
| South Africa | - | 24,251 | 36,376 | 24,251 | 36,376 | -33.3 |
| Total | 1,681,274 | 1,603,752 | 1,438,710 | 4,973,825 | 4,352,072 | 14.3 |

- = No data reported.

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

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

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

(dollars per short ton)

| Continent and country of origin | July - September 2019 | April - June 2019 | July - September 2018 | Year to date | | Percent change |
|---------------------------------|-----------------------|-------------------|-----------------------|---------------|---------------|----------------|
| | | | | 2019 | 2018 | |
| North America Total | 192.91 | 195.71 | 186.35 | 193.37 | 195.12 | -0.9 |
| Canada | 192.93 | 195.79 | 186.35 | 193.47 | 195.13 | -0.9 |
| Mexico | 134.89 | 144.70 | - | 138.98 | 176.62 | -21.3 |
| South America Total | 60.78 | 64.35 | 61.94 | 63.67 | 59.75 | 6.6 |
| Brazil | 74.18 | 308.46 | - | 81.09 | - | - |
| Colombia | 60.76 | 64.32 | 61.92 | 63.66 | 59.73 | 6.6 |
| Peru | 276.98 | 267.76 | 268.21 | 270.51 | 261.79 | 3.3 |
| Europe Total | 150.57 | 78.05 | 171.14 | 157.32 | 142.05 | 10.7 |
| Cyprus | 148.59 | - | - | 148.59 | - | - |
| Germany, Federal Republic of | 58.97 | 74.89 | 74.75 | 62.61 | 76.02 | -17.6 |
| Greece | - | 284.00 | - | 284.00 | - | - |
| Luxembourg | - | - | 490.09 | - | 490.09 | - |
| Russia | 158.89 | - | 162.38 | 166.25 | 162.69 | 2.2 |
| Ukraine | - | - | - | - | 107.41 | - |
| United Kingdom | - | 74.56 | 115.05 | 148.20 | 125.95 | 17.7 |
| Asia Total | 60.66 | 68.02 | 77.95 | 64.07 | 76.17 | -15.9 |
| China | 76.33 | 172.54 | 74.93 | 120.45 | 127.76 | -5.7 |
| Hong Kong | - | - | 74.94 | - | 74.93 | - |
| Indonesia | 59.79 | 62.15 | 78.15 | 61.56 | 74.59 | -17.5 |
| Japan | - | - | - | - | 221.00 | - |
| Philippines | - | - | - | - | 65.78 | - |
| Africa Total | - | 120.65 | 116.57 | 120.65 | 116.57 | 3.5 |
| South Africa | - | 120.65 | 116.57 | 120.65 | 116.57 | 3.5 |
| U.S. Total* | 81.65 | 84.78 | 91.02 | 81.56 | 82.02 | -0.6 |

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

- = No data reported.

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

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

Table 20. Coal imports by customs district

(short tons)

| Customs district | July - September 2019 | April - June 2019 | July - September 2018 | Year to date | | Percent change |
|-----------------------|--------------------------|----------------------|--------------------------|------------------|------------------|-------------------|
| | | | | 2019 | 2018 | |
| Eastern Total | 423 | 83,141 | 53,093 | 120,142 | 199,475 | -39.8 |
| Baltimore, MD | 44 | - | 139 | 44 | 654 | -93.3 |
| Boston, MA | - | - | 52,922 | - | 120,163 | - |
| Buffalo, NY | 40 | 45 | 32 | 243 | 207 | 17.4 |
| New York City, NY | - | 311 | - | 355 | 771 | -54.0 |
| Ogdensburg, NY | 339 | - | - | 339 | - | - |
| Portland, ME | - | 82,785 | - | 119,161 | 77,680 | 53.4 |
| Southern Total | 1,328,633 | 1,099,116 | 924,937 | 3,734,579 | 2,980,677 | 25.3 |
| Charleston, SC | 35,710 | - | - | 35,710 | - | - |
| Houston-Galveston, TX | 851 | 804 | 390 | 1,655 | 4,419 | -62.5 |
| Laredo, TX | - | 11 | - | 11 | 57 | -80.7 |
| Miami, FL | - | 67 | - | 33,827 | 71,105 | -52.4 |
| Mobile, AL | 703,842 | 607,006 | 547,596 | 2,013,503 | 1,836,466 | 9.6 |
| New Orleans, LA | 7,467 | 12,617 | 17,867 | 58,043 | 28,331 | 104.9 |
| San Juan, PR | 507,978 | 369,622 | 325,040 | 1,301,170 | 843,191 | 54.3 |
| Savannah, GA | - | 22 | - | 22 | - | - |
| Tampa, FL | 72,785 | 108,967 | 34,044 | 290,638 | 197,108 | 47.5 |
| Western Total | 175,533 | 255,095 | 267,824 | 686,215 | 774,154 | -11.4 |
| Columbia-Snake, OR | - | - | - | - | 181 | - |
| Great Falls, MT | 39,485 | 64,268 | 63,615 | 157,086 | 173,794 | -9.6 |
| Honolulu, HI | 133,890 | 187,599 | 202,913 | 519,593 | 597,598 | -13.1 |
| Nogales, AZ | 96 | 389 | - | 1,070 | 386 | 177.2 |
| San Francisco, CA | 31 | - | 60 | 62 | 150 | -58.7 |
| Seattle, WA | 2,031 | 2,839 | 1,236 | 8,404 | 2,045 | 311.0 |
| Northern Total | 176,685 | 166,400 | 192,856 | 432,889 | 397,766 | 8.8 |
| Chicago, IL | - | 8 | - | 30 | 215 | -86.0 |
| Cleveland, OH | - | 370 | 574 | 745 | 791 | -5.8 |
| Detroit, MI | 102,686 | 97,470 | 123,659 | 235,356 | 220,250 | 6.9 |
| Duluth, MN | 1,704 | 1,002 | - | 2,907 | 808 | 259.8 |
| Pembina, ND | 72,295 | 67,550 | 68,623 | 193,851 | 175,702 | 10.3 |
| Total | 1,681,274 | 1,603,752 | 1,438,710 | 4,973,825 | 4,352,072 | 14.3 |

- = 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 21. U.S. coke imports

(short tons)

| Continent and country of origin | July - September 2019 | April - June 2019 | July - September 2018 | Year to date | | Percent change |
|---------------------------------|-----------------------|-------------------|-----------------------|---------------|---------------|----------------|
| | | | | 2019 | 2018 | |
| North America Total | 4,065 | 10,470 | 709 | 16,911 | 23,243 | -27.2 |
| Canada | 4,065 | 10,470 | 709 | 16,911 | 23,243 | -27.2 |
| South America Total | - | 12,100 | 6,063 | 12,100 | 38,094 | -68.2 |
| Chile | - | 12,100 | - | 12,100 | 16,819 | -28.1 |
| Colombia | - | - | 6,063 | - | 21,275 | - |
| Europe Total | 23,041 | 11,472 | 43 | 35,018 | 8,654 | 304.6 |
| Czech Republic | 17,012 | - | - | 17,012 | 8,284 | 105.4 |
| Germany, Federal Republic of | - | - | 43 | - | 148 | - |
| Italy | 6,020 | 147 | - | 6,668 | 196 | NM |
| Poland | - | 11,322 | - | 11,322 | - | - |
| United Kingdom | 9 | 3 | - | 16 | 26 | -38.5 |
| Asia Total | 805 | 776 | 1,015 | 2,261 | 2,545 | -11.2 |
| China | - | - | - | 72 | 48 | 50.0 |
| Hong Kong | 21 | - | - | 21 | - | - |
| Indonesia | - | - | - | - | 56 | - |
| Japan | 784 | 776 | 618 | 2,168 | 2,044 | 6.1 |
| Saudi Arabia | - | - | 397 | - | 397 | - |
| Africa Total | 2,051 | 5,197 | 2,053 | 9,799 | 9,211 | 6.4 |
| Egypt | - | 14 | - | 14 | 14 | s |
| South Africa | 2,051 | 5,183 | 2,053 | 9,785 | 9,197 | 6.4 |
| U.S. Total | 29,962 | 40,015 | 9,883 | 76,089 | 81,747 | -6.9 |

- = No data reported.

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

s = Absolute percentage less than 0.05.

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

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

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

(dollars per short ton)

| Continent and country of origin | July - September 2019 | April - June 2019 | July - September 2018 | Year to date | | Percent change |
|---------------------------------|-----------------------|-------------------|-----------------------|---------------|---------------|----------------|
| | | | | 2019 | 2018 | |
| North America Total | 168.56 | 239.18 | 205.42 | 219.85 | 294.59 | -25.4 |
| Canada | 168.56 | 239.18 | 205.42 | 219.85 | 294.59 | -25.4 |
| South America Total | - | 185.00 | 298.00 | 185.00 | 131.79 | 40.4 |
| Chile | - | 185.00 | - | 185.00 | 122.96 | 50.5 |
| Colombia | - | - | 298.00 | - | 138.76 | - |
| Europe Total | 369.81 | 345.25 | 532.67 | 361.87 | 329.70 | 9.8 |
| Czech Republic | 349.27 | - | - | 349.27 | 326.57 | 7.0 |
| Germany, Federal Republic of | - | - | 532.67 | - | 477.07 | - |
| Italy | 427.24 | 372.50 | - | 421.89 | 286.97 | 47.0 |
| Poland | - | 344.73 | - | 344.73 | - | - |
| United Kingdom | 777.78 | 1,000.00 | - | 875.00 | 811.54 | 7.8 |
| Asia Total | 342.55 | 317.30 | 420.60 | 343.20 | 385.12 | -10.9 |
| China | - | - | - | 848.86 | 707.71 | 19.9 |
| Hong Kong | 1,309.52 | - | - | 1,309.52 | - | - |
| Indonesia | - | - | - | - | 1,183.13 | - |
| Japan | 316.64 | 317.30 | 317.77 | 317.05 | 317.70 | -0.2 |
| Saudi Arabia | - | - | 580.69 | - | 580.69 | - |
| Africa Total | 509.93 | 587.88 | 566.99 | 566.57 | 462.71 | 22.4 |
| Egypt | - | 2,997.93 | - | 2,997.93 | 3,405.00 | -12.0 |
| South Africa | 509.93 | 581.37 | 566.99 | 563.09 | 458.23 | 22.9 |
| U.S. Total | 351.36 | 300.01 | 360.85 | 327.98 | 244.20 | 34.3 |

- = No data reported.

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

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

Receipts and prices

Table 23. Coal receipts at coke plants by census division

(thousand short tons)

| Census division | July - September 2019 | April - June 2019 | July - September 2018 | Year to date | | Percent change |
|--------------------|--------------------------|----------------------|--------------------------|---------------|---------------|-------------------|
| | | | | 2019 | 2018 | |
| Middle Atlantic | 1,385 | 1,441 | 1,616 | 4,363 | 4,324 | 0.9 |
| East North Central | 2,513 | 2,834 | 2,584 | 7,730 | 7,183 | 7.6 |
| South Atlantic | 461 | 427 | 421 | 1,392 | 1,267 | 9.9 |
| East South Central | 262 | 247 | 348 | 801 | 982 | -18.5 |
| U.S. Total | 4,621 | 4,949 | 4,970 | 14,285 | 13,756 | 3.8 |

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

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

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

(dollars per short ton)

| Census division | July - September 2019 | April - June 2019 | July - September 2018 | Year to date | | Percent change |
|--------------------|--------------------------|----------------------|--------------------------|---------------|---------------|-------------------|
| | | | | 2019 | 2018 | |
| Middle Atlantic | w | w | w | w | w | w |
| East North Central | 160.46 | 161.18 | 137.89 | 158.41 | 137.43 | 15.3 |
| South Atlantic | w | w | w | w | w | w |
| East South Central | w | w | w | w | w | w |
| U.S. Total | 149.04 | 148.87 | 128.23 | 146.72 | 127.85 | 14.8 |

w = Data withheld to avoid disclosure.

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

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

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

(thousand short tons and dollars per short ton)

| Commodity | July - September 2019 | April - June 2019 | July - September 2018 | Year to date | | Percent change |
|---------------|--------------------------|----------------------|--------------------------|--------------|--------|-------------------|
| | | | | 2019 | 2018 | |
| Coke | | | | | | |
| Sales | 1,660 | 1,638 | 1,735 | 4,897 | 5,129 | -4.5 |
| Average Price | 334.77 | 345.08 | 301.44 | 339.10 | 301.69 | 12.4 |
| Breeze | | | | | | |
| Sales | 109 | 123 | 159 | 335 | 406 | -17.4 |
| Average Price | 95.98 | 93.81 | 74.40 | 94.44 | 83.36 | 13.3 |

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

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

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

(thousand short tons)

| Census division and state | July - September 2019 | April - June 2019 | July - September 2018 | Year to date | | Percent change |
|------------------------------|--------------------------|----------------------|--------------------------|---------------|---------------|-------------------|
| | | | | 2019 | 2018 | |
| New England | 5 | 4 | 5 | 16 | 19 | -18.9 |
| Maine | 4 | 3 | 4 | 13 | 17 | -20.4 |
| Massachusetts | 1 | 1 | 1 | 2 | 3 | -8.8 |
| Middle Atlantic | 227 | 241 | 191 | 655 | 662 | -0.9 |
| New York | 107 | 110 | 54 | 263 | 233 | 13.1 |
| Pennsylvania | 120 | 131 | 136 | 392 | 429 | -8.5 |
| East North Central | 1,572 | 1,445 | 1,576 | 4,412 | 4,735 | -6.8 |
| Illinois | 632 | 522 | 605 | 1,836 | 1,943 | -5.5 |
| Indiana | 462 | 446 | 489 | 1,236 | 1,297 | -4.7 |
| Michigan | 157 | 176 | 166 | 399 | 492 | -19.0 |
| Ohio | 112 | 104 | 118 | 337 | 383 | -12.0 |
| Wisconsin | 208 | 197 | 197 | 604 | 619 | -2.4 |
| West North Central | 2,783 | 2,713 | 3,009 | 8,375 | 8,904 | -5.9 |
| Iowa | 654 | 536 | 621 | 1,780 | 1,828 | -2.6 |
| Kansas | 22 | 21 | 27 | 75 | 72 | 5.1 |
| Minnesota | 131 | 214 | 216 | 653 | 615 | 6.2 |
| Missouri | 214 | 199 | 227 | 612 | 632 | -3.2 |
| Nebraska | 226 | 241 | 275 | 709 | 845 | -16.1 |
| North Dakota | 1,482 | 1,415 | 1,600 | 4,351 | 4,770 | -8.8 |
| South Dakota | 55 | 86 | 43 | 195 | 143 | 35.8 |
| South Atlantic | 607 | 705 | 710 | 2,077 | 2,128 | -2.4 |
| Florida | 113 | 134 | 142 | 392 | 375 | 4.7 |
| Georgia | 74 | 67 | 82 | 258 | 267 | -3.1 |
| Maryland | 103 | 148 | 121 | 369 | 377 | -2.2 |
| North Carolina | 80 | 97 | 93 | 285 | 305 | -6.7 |
| South Carolina | 29 | 45 | 57 | 125 | 152 | -17.6 |
| Virginia | 111 | 108 | 111 | 349 | 362 | -3.6 |
| West Virginia | 98 | 106 | 103 | 300 | 291 | 3.1 |
| East South Central | 668 | 699 | 765 | 2,084 | 2,349 | -11.3 |
| Alabama | 188 | 215 | 221 | 626 | 685 | -8.6 |
| Kentucky | 165 | 180 | 184 | 532 | 562 | -5.5 |
| Tennessee | 315 | 304 | 360 | 926 | 1,102 | -15.9 |
| West South Central | 292 | 259 | 316 | 840 | 995 | -15.7 |
| Arkansas | 42 | 31 | 45 | 119 | 139 | -14.9 |
| Louisiana | 52 | 44 | 63 | 150 | 187 | -20.0 |
| Oklahoma | 59 | 45 | 59 | 185 | 258 | -28.0 |
| Texas | 139 | 139 | 150 | 386 | 411 | -6.1 |
| Mountain | 769 | 723 | 718 | 2,261 | 2,277 | -0.7 |
| Arizona | 86 | 96 | 75 | 239 | 213 | 12.4 |
| Colorado | 42 | 41 | 22 | 149 | 136 | 9.6 |
| Idaho | 33 | 2 | 28 | 49 | 70 | -31.0 |
| Montana | 37 | 34 | 35 | 112 | 146 | -23.7 |
| Nevada | 78 | 59 | 62 | 212 | 210 | 0.7 |
| New Mexico | 18 | 16 | 20 | 50 | 53 | -5.3 |
| Utah | 99 | 89 | 83 | 274 | 278 | -1.6 |
| Wyoming | 375 | 385 | 391 | 1,177 | 1,170 | 0.6 |
| Pacific | 288 | 388 | 421 | 1,056 | 1,170 | -9.8 |
| Alaska | s | s | s | 1 | 1 | s |
| California | 259 | 351 | 402 | 957 | 1,085 | -11.8 |
| Oregon | 12 | 10 | 6 | 39 | 35 | 12.2 |
| Washington | 17 | 26 | 13 | 59 | 49 | 20.4 |
| U.S. Total | 7,212 | 7,176 | 7,711 | 21,776 | 23,239 | -6.3 |

- = No data reported.

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

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

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

(dollars per short ton)

| Census division and state | July - September 2019 | April - June 2019 | July - September 2018 | Year to date | | Percent change |
|------------------------------|--------------------------|----------------------|--------------------------|---------------|--------------|-------------------|
| | | | | 2019 | 2018 | |
| New England | w | w | w | w | w | w |
| Maine | w | w | w | w | w | w |
| Massachusetts | w | w | w | w | w | w |
| Middle Atlantic | 85.89 | 84.79 | 94.00 | 85.64 | 94.06 | -9.0 |
| New York | w | w | w | w | 120.47 | w |
| Pennsylvania | w | w | w | w | 79.47 | w |
| East North Central | 77.97 | 80.17 | 72.05 | 77.17 | 71.56 | 7.8 |
| Illinois | 45.15 | w | 45.25 | w | w | w |
| Indiana | 109.17 | w | 90.62 | w | w | w |
| Michigan | 90.89 | 99.17 | 85.41 | 97.15 | 84.76 | 14.6 |
| Ohio | 104.61 | 96.76 | 94.69 | 100.16 | 99.67 | 0.5 |
| Wisconsin | 84.29 | 84.72 | 83.41 | 84.56 | 83.40 | 1.4 |
| West North Central | 28.18 | 28.38 | 29.30 | 28.87 | 28.88 | s |
| Iowa | 36.26 | 34.30 | 41.60 | 36.05 | 41.00 | -12.1 |
| Kansas | w | w | w | w | w | w |
| Minnesota | 48.18 | 48.05 | 48.46 | 49.08 | 48.61 | 1.0 |
| Missouri | 53.67 | 54.75 | 48.88 | 53.65 | 50.27 | 6.7 |
| Nebraska | w | w | 31.29 | w | w | w |
| North Dakota | w | w | w | w | w | w |
| South Dakota | w | w | w | w | w | w |
| South Atlantic | 100.72 | 102.69 | 99.08 | 101.86 | 99.26 | 2.6 |
| Florida | 113.22 | 113.94 | 114.08 | 114.11 | 112.46 | 1.5 |
| Georgia | 107.25 | 117.70 | 105.68 | 106.52 | 101.84 | 4.6 |
| Maryland | w | w | w | w | w | w |
| North Carolina | 98.32 | 107.27 | 96.01 | 105.65 | 96.49 | 9.5 |
| South Carolina | 102.82 | 99.65 | 98.08 | 100.59 | 99.95 | 0.6 |
| Virginia | 97.91 | 103.20 | 96.02 | 98.35 | 91.65 | 7.3 |
| West Virginia | w | w | w | w | w | w |
| East South Central | 95.29 | 95.36 | 86.69 | 95.82 | 87.09 | 10.0 |
| Alabama | 91.90 | 94.81 | 94.04 | 96.62 | 95.29 | 1.4 |
| Kentucky | 106.52 | 100.38 | 84.31 | 102.26 | 88.22 | 15.9 |
| Tennessee | 91.41 | 92.78 | 83.40 | 91.58 | 81.42 | 12.5 |
| West South Central | 77.81 | 85.32 | 79.04 | 79.45 | 75.86 | 4.7 |
| Arkansas | w | w | w | w | w | w |
| Louisiana | w | w | w | w | w | w |
| Oklahoma | 88.32 | 106.68 | 82.26 | 84.54 | 68.69 | 23.1 |
| Texas | 79.72 | 84.66 | 88.35 | 84.68 | 87.86 | -3.6 |
| Mountain | 63.30 | 60.28 | 59.30 | 60.16 | 56.49 | 6.5 |
| Arizona | w | w | w | w | w | w |
| Colorado | w | w | w | w | 55.30 | w |
| Idaho | 110.49 | w | 109.59 | w | w | w |
| Montana | 58.04 | w | 49.46 | w | w | w |
| Nevada | 77.61 | 74.26 | 75.48 | 78.71 | 76.52 | 2.9 |
| New Mexico | w | w | w | w | w | w |
| Utah | 56.73 | 63.62 | 54.68 | 58.21 | 53.66 | 8.5 |
| Wyoming | 48.64 | 47.93 | 47.31 | 47.80 | 46.37 | 3.1 |
| Pacific | 80.09 | 80.81 | 77.54 | 80.44 | 82.68 | -2.7 |
| California | 80.36 | 80.70 | 77.49 | 80.01 | 83.04 | -3.6 |
| Oregon | w | w | w | w | w | w |
| Washington | w | w | w | w | w | w |
| U.S. Total | 61.01 | 62.63 | 59.23 | 61.45 | 59.20 | 3.8 |

- = No data reported.

w = Data withheld to avoid disclosure.

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

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

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

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

| NAICS code | July - September 2019 | April - June 2019 | July - September 2018 | Year to date | | Percent change |
|---------------------------------------|--------------------------|----------------------|--------------------------|---------------|---------------|-------------------|
| | | | | 2019 | 2018 | |
| 311 Food Manufacturing | 1,734 | 1,588 | 1,755 | 5,328 | 5,508 | -3.3 |
| 312 Beverage and Tobacco Product Mfg. | 2 | 4 | 3 | 11 | 14 | -21.1 |
| 313 Textile Mills | 6 | 10 | 13 | 43 | 62 | -31.0 |
| 322 Paper Manufacturing | 455 | 519 | 537 | 1,661 | 1,950 | -14.8 |
| 324 Petroleum and Coal Products | 1,375 | 1,321 | 1,515 | 4,051 | 4,480 | -9.6 |
| 325 Chemical Manufacturing | 722 | 794 | 893 | 2,400 | 2,680 | -10.5 |
| 327 Nonmetallic Mineral Products Mfg. | 2,138 | 2,033 | 2,153 | 5,944 | 6,130 | -3.0 |
| 331 Primary Metal Manufacturing | 455 | 571 | 521 | 1,401 | 1,480 | -5.3 |
| 333 Machinery Manufacturing | 16 | 10 | 2 | 26 | 12 | 119.4 |
| 339 Miscellaneous Manufacturing | 310 | 325 | 321 | 912 | 923 | -1.2 |
| U.S. Total | 7,212 | 7,176 | 7,711 | 21,776 | 23,239 | -6.3 |

* Includes coal gasification projects.

** Excludes coke plants.

- = No data reported.

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

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

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

| NAICS code | July - September 2019 | April - June 2019 | July - September 2018 | Year to date | | Percent change |
|---------------------------------------|--------------------------|----------------------|--------------------------|--------------|--------------|-------------------|
| | | | | 2019 | 2018 | |
| 311 Food Manufacturing | 41.71 | 41.11 | 43.31 | 41.93 | 42.54 | -1.4 |
| 312 Beverage and Tobacco Product Mfg. | w | w | w | w | w | w |
| 313 Textile Mills | 117.00 | 114.15 | 115.25 | 114.56 | 113.99 | 0.5 |
| 322 Paper Manufacturing | 92.72 | 92.68 | 88.40 | 91.14 | 84.22 | 8.2 |
| 324 Petroleum and Coal Products | w | w | w | w | w | w |
| 325 Chemical Manufacturing | 80.21 | 81.72 | 74.29 | 79.99 | 73.60 | 8.7 |
| 327 Nonmetallic Mineral Products Mfg. | 76.45 | 78.54 | 76.79 | 77.74 | 76.76 | 1.3 |
| 331 Primary Metal Manufacturing | 134.89 | 119.10 | 109.72 | 128.59 | 118.79 | 8.2 |
| 333 Machinery Manufacturing | w | w | w | w | w | w |
| 339 Miscellaneous Manufacturing | 55.08 | 55.07 | 52.82 | 54.42 | 53.12 | 2.4 |
| U.S. Total | 61.01 | 62.63 | 59.23 | 61.45 | 59.20 | 3.8 |

* Includes coal gasification projects.

** Excludes coke plants.

- = No data reported.

w = Data withheld to avoid disclosure.

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

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

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

(thousand short tons)

| Census division and state | July - September 2019 | April - June 2019 | July - September 2018 | Year to date | | Percent change |
|------------------------------|--------------------------|----------------------|--------------------------|--------------|------------|-------------------|
| | | | | 2019 | 2018 | |
| Middle Atlantic | - | 1 | - | 7 | 11 | -36.8 |
| Pennsylvania | - | 1 | - | 7 | 11 | -36.8 |
| East North Central | 30 | 30 | 34 | 122 | 144 | -15.7 |
| Illinois | 18 | 21 | 20 | 68 | 87 | -22.1 |
| Indiana | 11 | 9 | 15 | 39 | 42 | -7.0 |
| Wisconsin | - | - | - | 14 | 15 | -2.1 |
| West North Central | 26 | 19 | 28 | 109 | 117 | -7.1 |
| Iowa | 24 | 16 | 26 | 69 | 72 | -3.7 |
| Minnesota | - | s | - | 5 | 2 | 157.6 |
| Missouri | s | s | - | 5 | 6 | -8.1 |
| North Dakota | 3 | 3 | 2 | 29 | 38 | -21.7 |
| South Atlantic | 14 | 6 | 20 | 58 | 61 | -5.4 |
| North Carolina | 12 | 5 | 14 | 48 | 46 | 4.4 |
| Virginia | 2 | 1 | 6 | 10 | 15 | -35.4 |
| East South Central | - | 2 | s | 4 | 5 | -18.8 |
| Kentucky | - | 2 | s | 4 | 5 | -18.8 |
| Mountain | 1 | s | 2 | 5 | 9 | -41.2 |
| Montana | 1 | - | 2 | 1 | 3 | -68.0 |
| Wyoming | s | s | s | 4 | 6 | -26.2 |
| Pacific | 113 | 96 | 88 | 332 | 320 | 3.7 |
| Alaska | 113 | 96 | 88 | 332 | 320 | 3.7 |
| U.S. Total | 184 | 155 | 173 | 636 | 667 | -4.6 |

- = No data reported.

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

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

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

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

(dollars per short ton)

| Census division and state | July - September 2019 | April - June 2019 | July - September 2018 | Year to date | | Percent change |
|------------------------------|--------------------------|----------------------|--------------------------|--------------|--------------|-------------------|
| | | | | 2019 | 2018 | |
| Middle Atlantic | - | w | - | w | w | w |
| Pennsylvania | - | w | - | w | w | w |
| East North Central | 51.19 | 56.38 | 51.98 | 69.05 | 65.53 | 5.4 |
| Illinois | w | w | w | w | w | w |
| Indiana | w | w | w | w | w | w |
| Wisconsin | - | - | - | 156.94 | 154.57 | 1.5 |
| West North Central | 86.08 | 84.88 | 90.38 | 82.52 | 80.51 | 2.5 |
| Iowa | w | w | w | w | w | w |
| Minnesota | - | w | - | w | w | w |
| Missouri | w | w | - | w | w | w |
| North Dakota | w | w | w | w | w | w |
| South Atlantic | w | w | 126.26 | w | w | w |
| North Carolina | w | w | w | w | w | w |
| Virginia | w | w | w | w | 112.67 | w |
| East South Central | - | w | w | w | w | w |
| Kentucky | - | w | w | w | w | w |
| Mountain | w | w | w | w | w | w |
| Montana | w | - | w | w | w | w |
| Wyoming | w | w | w | w | w | w |
| Pacific | w | w | w | w | w | w |
| Alaska | w | w | w | w | w | w |
| U.S. Total | 82.89 | 79.70 | 82.82 | 85.52 | 81.85 | 4.5 |

- = No data reported.

w = Data withheld to avoid disclosure.

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

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

Consumption

Table 32. U.S. coal consumption by end-use sector, 2013 - 2019

(thousand short tons)

| Year and quarter | Electric power sector ¹ | Coke plants | Other Industrial | | | Commercial and institutional | | | Total |
|---------------------------------|------------------------------------|---------------|------------------|----------------------|---------------|------------------------------|----------------------|--------------|----------------|
| | | | CHP ² | Non-CHP ³ | Total | CHP ⁴ | Non-CHP ⁵ | Total | |
| 2013 | | | | | | | | | |
| January - March | 211,971 | 5,280 | 5,115 | 5,942 | 11,057 | 418 | 260 | 679 | 228,987 |
| April - June | 199,845 | 5,471 | 4,747 | 5,554 | 10,301 | 307 | 91 | 397 | 216,014 |
| July - September | 237,205 | 5,429 | 4,830 | 5,538 | 10,368 | 299 | 57 | 355 | 253,357 |
| October - December | 208,942 | 5,294 | 5,069 | 6,260 | 11,329 | 333 | 187 | 520 | 226,084 |
| Total | 857,962 | 21,474 | 19,761 | 23,294 | 43,055 | 1,356 | 595 | 1,951 | 924,442 |
| 2014 | | | | | | | | | |
| January - March | 231,534 | 4,886 | 5,153 | 6,029 | 11,181 | 381 | 348 | 729 | 248,329 |
| April - June | 195,922 | 5,174 | 4,561 | 5,853 | 10,414 | 232 | 140 | 372 | 211,881 |
| July - September | 231,066 | 5,636 | 4,683 | 5,743 | 10,425 | 221 | 105 | 326 | 247,453 |
| October - December | 193,081 | 5,601 | 4,680 | 6,245 | 10,925 | 229 | 231 | 460 | 210,068 |
| Total | 851,602 | 21,297 | 19,076 | 23,870 | 42,946 | 1,063 | 824 | 1,887 | 917,731 |
| 2015 | | | | | | | | | |
| January - March | 196,656 | 5,156 | 4,602 | 5,791 | 10,393 | 277 | 290 | 567 | 212,772 |
| April - June | 174,376 | 4,987 | 4,095 | 5,216 | 9,311 | 166 | 136 | 302 | 188,975 |
| July - September | 214,811 | 5,030 | 4,316 | 4,957 | 9,273 | 173 | 105 | 278 | 229,393 |
| October - December | 152,601 | 4,535 | 3,971 | 5,511 | 9,482 | 183 | 174 | 357 | 166,974 |
| Total | 738,444 | 19,708 | 16,984 | 21,475 | 38,459 | 798 | 706 | 1,503 | 798,115 |
| 2016 | | | | | | | | | |
| January - March | 152,744 | 4,124 | 3,954 | 5,177 | 9,131 | 225 | 224 | 448 | 166,448 |
| April - June | 147,491 | 4,096 | 3,496 | 4,986 | 8,482 | 128 | 81 | 209 | 160,278 |
| July - September | 210,512 | 4,163 | 3,771 | 4,713 | 8,483 | 145 | 55 | 200 | 223,358 |
| October - December | 167,807 | 4,102 | 3,499 | 5,253 | 8,752 | 185 | 141 | 326 | 180,987 |
| Total | 678,554 | 16,485 | 14,720 | 20,129 | 34,849 | 683 | 500 | 1,183 | 731,071 |
| 2017 | | | | | | | | | |
| January - March | 160,569 | 4,236 | 3,482 | 5,052 | 8,534 | 194 | 179 | 373 | 173,712 |
| April - June | 154,230 | 4,325 | 3,096 | 5,012 | 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 | 3,314 | 5,057 | 8,371 | 159 | 130 | 290 | 172,796 |
| Total | 664,993 | 17,538 | 12,975 | 20,289 | 33,264 | 610 | 451 | 1,061 | 716,856 |
| 2018 | | | | | | | | | |
| January - March | 155,420 | 4,228 | 3,473 | 4,673 | 8,146 | 192 | 162 | 354 | 168,149 |
| April - June | 144,112 | 4,610 | 2,909 | 4,782 | 7,691 | 122 | 72 | 194 | 156,607 |
| July - September | 181,691 | 4,762 | 2,853 | 4,738 | 7,591 | 127 | 48 | 175 | 194,219 |
| October - December | 155,993 | 4,737 | 2,999 | 5,154 | 8,152 | 136 | 113 | 248 | 169,131 |
| Total | 637,217 | 18,337 | 12,233 | 19,347 | 31,580 | 577 | 395 | 972 | 688,105 |
| 2019 | | | | | | | | | |
| January - March | 145,292 | 4,463 | 3,039 | 4,743 | 7,783 | 165 | 154 | 320 | 157,857 |
| April - June | 118,024 | 4,660 | 2,712 | 4,300 | 7,011 | 109 | 67 | 176 | 129,871 |
| July - September | 156,572 | 4,455 | 2,593 | 4,422 | 7,014 | 125 | 29 | 154 | 168,195 |
| Total | 419,888 | 13,578 | 8,344 | 13,465 | 21,809 | 399 | 250 | 649 | 455,924 |
| 2018 January - September | 481,223 | 13,600 | 9,235 | 14,193 | 23,428 | 441 | 282 | 723 | 518,975 |
| 2017 January - September | 505,344 | 13,052 | 9,661 | 15,232 | 24,893 | 451 | 321 | 771 | 544,060 |

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

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

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

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

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

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

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

Table 33. Coal carbonized at coke plants by census division

(thousand short tons)

| Census division | July - September 2019 | April - June 2019 | July - September 2018 | Year to date | | Percent change |
|--------------------|--------------------------|----------------------|--------------------------|---------------|---------------|-------------------|
| | | | | 2019 | 2018 | |
| Middle Atlantic | 1,351 | 1,496 | 1,542 | 4,205 | 4,218 | -0.3 |
| East North Central | 2,442 | 2,508 | 2,488 | 7,351 | 7,217 | 1.9 |
| South Atlantic | 430 | 413 | 426 | 1,274 | 1,226 | 3.9 |
| East South Central | 232 | 243 | 306 | 748 | 939 | -20.4 |
| U.S. Total | 4,455 | 4,660 | 4,762 | 13,578 | 13,600 | -0.2 |

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

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

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

(thousand short tons)

| Census division and state | July - September 2019 | April - June 2019 | July - September 2018 | Year to date | | Percent change |
|------------------------------|--------------------------|----------------------|--------------------------|---------------|---------------|-------------------|
| | | | | 2019 | 2018 | |
| New England | 5 | 5 | 5 | 16 | 19 | -16.1 |
| Maine | 4 | 4 | 4 | 14 | 16 | -14.9 |
| Massachusetts | 1 | 1 | 1 | 2 | 3 | -23.2 |
| Middle Atlantic | 228 | 216 | 191 | 652 | 651 | 0.2 |
| New York | 104 | 93 | 49 | 260 | 222 | 16.9 |
| Pennsylvania | 124 | 123 | 142 | 392 | 428 | -8.4 |
| East North Central | 1,528 | 1,381 | 1,592 | 4,504 | 4,806 | -6.3 |
| Illinois | 637 | 517 | 606 | 1,856 | 1,939 | -4.3 |
| Indiana | 476 | 430 | 502 | 1,277 | 1,330 | -4.0 |
| Michigan | 135 | 141 | 168 | 423 | 501 | -15.6 |
| Ohio | 106 | 101 | 119 | 331 | 387 | -14.4 |
| Wisconsin | 174 | 193 | 197 | 617 | 648 | -4.8 |
| West North Central | 2,731 | 2,689 | 2,925 | 8,447 | 9,061 | -6.8 |
| Iowa | 568 | 589 | 588 | 1,740 | 1,834 | -5.2 |
| Kansas | 20 | 27 | 28 | 64 | 77 | -16.4 |
| Minnesota | 168 | 203 | 203 | 736 | 738 | -0.2 |
| Missouri | 226 | 194 | 224 | 607 | 632 | -3.9 |
| Nebraska | 241 | 239 | 270 | 742 | 835 | -11.0 |
| North Dakota | 1,449 | 1,385 | 1,586 | 4,391 | 4,814 | -8.8 |
| South Dakota | 59 | 53 | 26 | 167 | 132 | 26.3 |
| South Atlantic | 587 | 660 | 658 | 1,979 | 2,099 | -5.7 |
| Florida | 110 | 111 | 134 | 354 | 378 | -6.4 |
| Georgia | 69 | 71 | 68 | 235 | 253 | -7.2 |
| Maryland | 102 | 138 | 124 | 368 | 382 | -3.8 |
| North Carolina | 79 | 90 | 87 | 271 | 298 | -8.9 |
| South Carolina | 30 | 38 | 39 | 122 | 142 | -13.5 |
| Virginia | 107 | 116 | 114 | 353 | 366 | -3.5 |
| West Virginia | 90 | 96 | 93 | 275 | 280 | -1.7 |
| East South Central | 660 | 702 | 792 | 2,095 | 2,372 | -11.7 |
| Alabama | 192 | 225 | 232 | 633 | 703 | -9.9 |
| Kentucky | 152 | 180 | 188 | 529 | 561 | -5.8 |
| Tennessee | 316 | 297 | 372 | 933 | 1,108 | -15.8 |
| West South Central | 282 | 260 | 309 | 856 | 986 | -13.2 |
| Arkansas | 41 | 38 | 44 | 129 | 133 | -2.7 |
| Louisiana | 52 | 46 | 63 | 159 | 187 | -15.2 |
| Oklahoma | 58 | 43 | 72 | 180 | 276 | -34.8 |
| Texas | 131 | 134 | 129 | 387 | 390 | -0.6 |
| Mountain | 729 | 705 | 719 | 2,236 | 2,261 | -1.1 |
| Arizona | 75 | 77 | 66 | 215 | 197 | 9.3 |
| Colorado | 36 | 48 | 28 | 152 | 117 | 29.7 |
| Idaho | 14 | 7 | 21 | 64 | 86 | -25.8 |
| Montana | 31 | 22 | 41 | 111 | 145 | -23.5 |
| Nevada | 70 | 67 | 76 | 211 | 222 | -4.7 |
| New Mexico | 18 | 15 | 20 | 48 | 53 | -9.7 |
| Utah | 100 | 99 | 97 | 279 | 279 | -0.1 |
| Wyoming | 384 | 370 | 370 | 1,155 | 1,162 | -0.6 |
| Pacific | 264 | 393 | 401 | 1,024 | 1,174 | -12.7 |
| Alaska | s | s | s | 1 | 1 | s |
| California | 246 | 372 | 385 | 949 | 1,091 | -13.0 |
| Oregon | - | 2 | - | 17 | 28 | -40.5 |
| Washington | 17 | 19 | 16 | 57 | 54 | 6.3 |
| U.S. Total | 7,014 | 7,011 | 7,591 | 21,809 | 23,428 | -6.9 |

- = No data reported.

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

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

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

| NAICS code | July - September 2019 | April - June 2019 | July - September 2018 | Year to date | | Percent change |
|---------------------------------------|--------------------------|----------------------|--------------------------|---------------|---------------|-------------------|
| | | | | 2019 | 2018 | |
| 311 Food Manufacturing | 1,660 | 1,583 | 1,713 | 5,359 | 5,592 | -4.2 |
| 312 Beverage and Tobacco Product Mfg. | 2 | 4 | 2 | 11 | 13 | -19.1 |
| 313 Textile Mills | 7 | 12 | 13 | 45 | 63 | -27.5 |
| 322 Paper Manufacturing | 446 | 513 | 549 | 1,670 | 1,980 | -15.6 |
| 324 Petroleum and Coal Products | 1,365 | 1,323 | 1,523 | 4,090 | 4,498 | -9.1 |
| 325 Chemical Manufacturing | 703 | 800 | 890 | 2,364 | 2,711 | -12.8 |
| 327 Nonmetallic Mineral Products Mfg. | 2,022 | 1,962 | 2,058 | 5,892 | 6,055 | -2.7 |
| 331 Primary Metal Manufacturing | 477 | 496 | 537 | 1,435 | 1,582 | -9.3 |
| 333 Machinery Manufacturing | 17 | 12 | 10 | 31 | 38 | -19.0 |
| 336 Transportation Equipment Mfg. | - | - | - | - | 2 | - |
| 339 Miscellaneous Manufacturing | 316 | 306 | 296 | 912 | 894 | 2.0 |
| U.S. Total | 7,014 | 7,011 | 7,591 | 21,809 | 23,428 | -6.9 |

* Includes coal gasification projects.

** Excludes coke plants.

- = No data reported.

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

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

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

(thousand short tons)

| Census division and state | July - September 2019 | April - June 2019 | July - September 2018 | Year to date | | Percent change |
|------------------------------|--------------------------|----------------------|--------------------------|--------------|------------|-------------------|
| | | | | 2019 | 2018 | |
| Middle Atlantic | s | 1 | - | 9 | 12 | -19.6 |
| Pennsylvania | s | 1 | - | 9 | 12 | -19.6 |
| East North Central | 34 | 38 | 38 | 132 | 160 | -17.5 |
| Illinois | 21 | 22 | 20 | 70 | 93 | -25.3 |
| Indiana | 13 | 16 | 18 | 47 | 52 | -8.8 |
| Wisconsin | - | s | - | 16 | 15 | 0.8 |
| West North Central | 25 | 26 | 29 | 120 | 132 | -9.0 |
| Iowa | 25 | 20 | 29 | 74 | 79 | -5.9 |
| Minnesota | - | 1 | - | 4 | 5 | -19.1 |
| Missouri | s | s | - | 7 | 6 | 1.3 |
| North Dakota | - | 6 | s | 35 | 42 | -15.4 |
| South Atlantic | 7 | 10 | 15 | 59 | 80 | -26.1 |
| District of Columbia | - | - | - | s | 1 | -87.3 |
| North Carolina | 7 | 9 | 14 | 42 | 58 | -26.3 |
| Virginia | 1 | 1 | 1 | 16 | 21 | -21.6 |
| East South Central | - | 2 | s | 5 | 5 | -2.6 |
| Kentucky | - | 2 | s | 5 | 5 | -2.6 |
| Mountain | s | s | s | 6 | 8 | -26.1 |
| Montana | - | s | - | 1 | 2 | -25.6 |
| Wyoming | s | s | s | 4 | 6 | -26.2 |
| Pacific | 87 | 98 | 93 | 318 | 327 | -2.7 |
| Alaska | 87 | 98 | 93 | 318 | 327 | -2.7 |
| U.S. Total | 154 | 176 | 175 | 649 | 723 | -10.2 |

- = No data reported.

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

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

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

Stocks

Table 37. U.S. coal stocks, 2013 - 2019

(thousand short tons)

| Last day of quarter | Coal consumers | | | | Total | Coal producers and distributors | Total |
|---------------------|------------------------------------|-------------|-------------------------------|------------------------------------|---------|---------------------------------|---------|
| | Electric power sector ¹ | Coke plants | Other industrial ² | Commercial and institutional users | | | |
| 2013 | | | | | | | |
| March 31 | 171,736 | 2,207 | 3,946 | 530 | 178,419 | 48,422 | 226,841 |
| June 30 | 171,124 | 2,500 | 3,957 | 529 | 178,110 | 50,129 | 228,239 |
| September 30 | 152,694 | 2,546 | 4,308 | 530 | 160,079 | 47,135 | 207,214 |
| December 31 | 147,884 | 2,200 | 4,097 | 495 | 154,676 | 45,652 | 200,328 |
| 2014 | | | | | | | |
| March 31 | 118,260 | 1,791 | 3,534 | 405 | 123,990 | 44,728 | 168,718 |
| June 30 | 133,479 | 1,937 | 3,626 | 429 | 139,471 | 42,682 | 182,153 |
| September 30 | 124,546 | 2,307 | 4,070 | 462 | 131,386 | 38,828 | 170,214 |
| December 31 | 151,548 | 2,640 | 4,196 | 449 | 158,833 | 38,894 | 197,727 |
| 2015 | | | | | | | |
| March 31 | 154,347 | 2,135 | 3,639 | 388 | 160,509 | 39,610 | 200,119 |
| June 30 | 166,437 | 2,627 | 3,864 | 386 | 173,314 | 39,399 | 212,713 |
| September 30 | 162,109 | 3,013 | 4,271 | 392 | 169,784 | 36,213 | 205,997 |
| December 31 | 195,548 | 2,236 | 4,382 | 394 | 202,560 | 35,871 | 238,431 |
| 2016 | | | | | | | |
| March 31 | 191,553 | 1,914 | 3,956 | 332 | 197,755 | 35,207 | 232,962 |
| June 30 | 182,086 | 1,802 | 3,834 | 337 | 188,060 | 32,932 | 220,992 |
| September 30 | 156,567 | 1,660 | 3,720 | 370 | 162,318 | 27,282 | 189,600 |
| December 31 | 162,009 | 1,675 | 3,637 | 360 | 167,681 | 25,309 | 192,990 |
| 2017 | | | | | | | |
| March 31 | 161,815 | 1,388 | 3,236 | 335 | 166,774 | 25,190 | 191,964 |
| June 30 | 158,014 | 1,626 | 3,295 | 329 | 163,264 | 23,430 | 186,694 |
| September 30 | 139,571 | 1,670 | 3,482 | 337 | 145,060 | 23,430 | 168,490 |
| December 31 | 137,687 | 1,718 | 3,242 | 310 | 142,957 | 23,999 | 166,956 |
| 2018 | | | | | | | |
| March 31 | 126,422 | 1,508 | 2,891 | 275 | 131,096 | 24,736 | 155,832 |
| June 30 | 121,394 | 1,616 | 2,896 | 256 | 126,162 | 22,997 | 149,159 |
| September 30 | 100,680 | 1,811 | 3,023 | 260 | 105,774 | 22,537 | 128,311 |
| December 31 | 103,043 | 1,807 | 3,258 | 247 | 108,355 | 21,692 | 130,047 |
| 2019 | | | | | | | |
| March 31 | 97,102 | 2,005 | 2,832 | 221 | 102,160 | 23,158* | 125,318 |
| June 30 | 117,710 | 2,296 | 2,985 | 201 | 123,193 | 21,878* | 145,071 |
| September 30 | 111,204 | 2,463 | 3,168 | 231 | 117,066 | 23,073* | 140,139 |

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

2 Manufacturing plants only.

* Estimated.

- = No data reported.

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

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

Table 38. Coal stocks at coke plants by census division

(thousand short tons)

| Census division | September 30, 2019 | June 30, 2019 | September 30, 2018 | Percent change (September 30) 2019 versus 2018 |
|------------------------|---------------------------|----------------------|---------------------------|---|
| Middle Atlantic | 642 | 594 | 459 | 39.9 |
| East North Central | 1,341 | 1,272 | 993 | 35.0 |
| South Atlantic | 235 | 216 | 170 | 38.7 |
| East South Central | 245 | 214 | 189 | 29.5 |
| U.S. Total | 2,463 | 2,296 | 1,811 | 36.0 |

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

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

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

(thousand short tons)

| Census division and state | September 30, 2019 | June 30, 2019 | September 30, 2018 | Percent change (September 30) 2019 versus 2018 |
|---------------------------|--------------------|---------------|--------------------|--|
| New England | 1 | 4 | 5 | -80.3 |
| Maine | s | s | 1 | -50.7 |
| Massachusetts | 1 | 4 | 4 | -87.0 |
| Middle Atlantic | 241 | 242 | 237 | 1.6 |
| New York | 89 | 87 | 87 | 1.7 |
| Pennsylvania | 152 | 155 | 150 | 1.6 |
| East North Central | 672 | 631 | 598 | 12.4 |
| Illinois | 119 | 124 | 118 | 1.4 |
| Indiana | 208 | 222 | 177 | 17.6 |
| Michigan | 209 | 188 | 196 | 6.5 |
| Ohio | 27 | 22 | 19 | 45.7 |
| Wisconsin | 108 | 75 | 88 | 22.8 |
| West North Central | 501 | 430 | 550 | -8.9 |
| Iowa | 152 | 66 | 136 | 11.8 |
| Kansas | 23 | 20 | 24 | -4.7 |
| Minnesota | 36 | 49 | 64 | -43.7 |
| Missouri | 82 | 97 | 70 | 17.8 |
| Nebraska | 43 | 60 | 63 | -31.9 |
| North Dakota | 109 | 76 | 160 | -32.1 |
| South Dakota | 57 | 62 | 34 | 67.4 |
| South Atlantic | 491 | 474 | 378 | 29.7 |
| Florida | 129 | 128 | 63 | 102.8 |
| Georgia | 83 | 78 | 64 | 28.9 |
| Maryland | 14 | 15 | 7 | 94.2 |
| North Carolina | 50 | 47 | 42 | 17.8 |
| South Carolina | 74 | 76 | 78 | -4.8 |
| Virginia | 52 | 49 | 53 | -2.0 |
| West Virginia | 90 | 82 | 70 | 27.8 |
| East South Central | 192 | 181 | 160 | 19.8 |
| Alabama | 80 | 81 | 72 | 10.8 |
| Kentucky | 33 | 19 | 20 | 62.9 |
| Tennessee | 79 | 81 | 68 | 16.5 |
| West South Central | 336 | 351 | 392 | -14.3 |
| Arkansas | 36 | 35 | 38 | -5.3 |
| Louisiana | 5 | 4 | 8 | -44.5 |
| Oklahoma | 86 | 87 | 97 | -10.9 |
| Texas | 209 | 225 | 249 | -16.0 |
| Mountain | 583 | 543 | 555 | 5.1 |
| Arizona | 59 | 48 | 43 | 37.3 |
| Colorado | 23 | 19 | 32 | -28.1 |
| Idaho | 237 | 213 | 258 | -8.3 |
| Montana | 44 | 38 | 40 | 8.9 |
| Nevada | 31 | 28 | 19 | 64.9 |
| New Mexico | 3 | 3 | 2 | 49.8 |
| Utah | 50 | 49 | 54 | -8.1 |
| Wyoming | 137 | 145 | 106 | 28.3 |
| Pacific | 152 | 127 | 149 | 2.1 |
| California | 115 | 102 | 118 | -2.6 |
| Oregon | 30 | 18 | 29 | 1.7 |
| Washington | 7 | 8 | 1 | 394.8 |
| U.S. Total | 3,168 | 2,985 | 3,023 | 4.8 |

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

(thousand short tons)

| NAICS code | September 30, 2019 | June 30, 2019 | September 30, 2018 | Percent change (September 30) 2019 versus 2018 |
|---------------------------------------|--------------------|---------------|--------------------|--|
| 311 Food Manufacturing | 593 | 523 | 626 | -5.2 |
| 312 Beverage and Tobacco Product Mfg. | 1 | 1 | 2 | -18.7 |
| 313 Textile Mills | 11 | 12 | 13 | -15.0 |
| 322 Paper Manufacturing | 318 | 310 | 321 | -1.1 |
| 324 Petroleum and Coal Products | 124 | 114 | 159 | -22.2 |
| 325 Chemical Manufacturing | 270 | 251 | 245 | 9.8 |
| 327 Nonmetallic Mineral Products Mfg. | 1,467 | 1,386 | 1,328 | 10.5 |
| 331 Primary Metal Manufacturing | 228 | 228 | 198 | 15.5 |
| 333 Machinery Manufacturing | 16 | 15 | 14 | 19.6 |
| 339 Miscellaneous Manufacturing | 140 | 145 | 118 | 18.9 |
| U.S. Total | 3,168 | 2,985 | 3,023 | 4.8 |

* Includes coal gasification projects.

** Excludes coke plants.

- = No data reported.

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

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

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

(thousand short tons)

| Census division | September 30, 2019 | June 30, 2019 | September 30, 2018 | Percent change (September 30) 2019 versus 2018 |
|---------------------|--------------------|---------------|--------------------|--|
| Middle Atlantic | 82 | 82 | 79 | 3.9 |
| East North Central | 330 | 359 | 277 | 19.1 |
| South Atlantic | 45 | 43 | 46 | -3.5 |
| East South Central | 88 | 73 | 85 | 3.5 |
| U.S. Total | 545 | 557 | 488 | 11.8 |
| Coke Total | 435 | 430 | 396 | 9.9 |
| Breeze Total | 110 | 127 | 92 | 20.0 |

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

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

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

(thousand short tons)

| Census division and state | September 30, 2019 | June 30, 2019 | September 30, 2018 | Percent change (September 30) 2019 versus 2018 |
|---------------------------|--------------------|---------------|--------------------|--|
| Middle Atlantic | 37 | 37 | 42 | -12.9 |
| Pennsylvania | 37 | 37 | 42 | -12.9 |
| East North Central | 19 | 24 | 35 | -45.4 |
| Illinois | 16 | 19 | 17 | -3.4 |
| Indiana | 1 | 3 | 11 | -87.2 |
| Ohio | - | - | 5 | -100.0 |
| Wisconsin | 2 | 2 | 2 | -12.0 |
| West North Central | 26 | 24 | 30 | -14.7 |
| Iowa | 12 | 13 | 17 | -31.2 |
| Minnesota | 6 | 6 | 6 | 10.5 |
| Missouri | - | s | - | - |
| North Dakota | 8 | 5 | 8 | 2.1 |
| South Atlantic | 40 | 33 | 34 | 18.4 |
| District of Columbia | 3 | 3 | 3 | -6.1 |
| North Carolina | 29 | 23 | 18 | 55.8 |
| Virginia | 9 | 7 | 12 | -30.9 |
| East South Central | 7 | 7 | 8 | -12.6 |
| Kentucky | 7 | 7 | 8 | -12.6 |
| Mountain | 3 | 1 | 4 | -37.8 |
| Colorado | 1 | 1 | 1 | s |
| Montana | 2 | 1 | 3 | -47.0 |
| Wyoming | s | s | s | s |
| Pacific | 100 | 75 | 107 | -6.1 |
| Alaska | 100 | 75 | 107 | -6.1 |
| U.S. Total | 231 | 201 | 260 | -11.0 |

- = No data reported.

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

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

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

Quality

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

| Census division and state ¹ | July - September 2019 | April - June 2019 | July - September 2018 | Year to date | | Percent change |
|---|--------------------------|----------------------|--------------------------|--------------|--------|-------------------|
| | | | | 2019 | 2018 | |
| New England | | | | | | |
| Btu | 12,322 | 12,338 | 12,705 | 12,329 | 12,689 | -2.8 |
| Sulfur | 0.76 | 0.76 | 0.75 | 0.76 | 0.78 | -1.9 |
| Ash | 8.76 | 8.50 | 7.27 | 8.57 | 7.71 | 11.2 |
| Maine | | | | | | |
| Btu | 12,312 | 12,312 | 12,773 | 12,312 | 12,741 | -3.4 |
| Sulfur | 0.76 | 0.76 | 0.73 | 0.76 | 0.75 | 1.2 |
| Ash | 8.76 | 8.76 | 7.39 | 8.76 | 7.26 | 20.6 |
| Massachusetts | | | | | | |
| Btu | 12,405 | 12,428 | 12,267 | 12,431 | 12,337 | 0.8 |
| Sulfur | 0.75 | 0.78 | 0.89 | 0.78 | 0.96 | -18.6 |
| Ash | 8.80 | 7.61 | 6.53 | 7.49 | 10.72 | -30.1 |
| Middle Atlantic | | | | | | |
| Btu | 14,131 | 14,070 | 14,095 | 14,098 | 14,081 | 0.1 |
| Sulfur | 1.15 | 1.17 | 1.07 | 1.13 | 1.11 | 2.2 |
| Ash | 7.34 | 7.84 | 7.48 | 7.66 | 7.76 | -1.3 |
| New York | | | | | | |
| Btu | 12,702 | 12,763 | 13,425 | 12,741 | 13,430 | -5.1 |
| Sulfur | 2.24 | 2.25 | 1.68 | 2.24 | 1.74 | 29.0 |
| Ash | 9.26 | 9.41 | 7.62 | 9.34 | 7.71 | 21.0 |
| Pennsylvania | | | | | | |
| Btu | 14,233 | 14,161 | 14,125 | 14,173 | 14,125 | 0.3 |
| Sulfur | 1.07 | 1.09 | 1.04 | 1.07 | 1.07 | 0.6 |
| Ash | 7.21 | 7.73 | 7.48 | 7.57 | 7.77 | -2.6 |
| East North Central | | | | | | |
| Btu | 13,215 | 13,333 | 13,262 | 13,263 | 13,198 | 0.5 |
| Sulfur | 1.13 | 1.08 | 1.14 | 1.13 | 1.17 | -2.8 |
| Ash | 7.25 | 7.28 | 7.32 | 7.27 | 7.26 | 0.1 |
| Illinois | | | | | | |
| Btu | 11,273 | 11,823 | 11,522 | 11,536 | 11,392 | 1.3 |
| Sulfur | 2.14 | 1.88 | 2.20 | 2.02 | 2.10 | -3.7 |
| Ash | 7.49 | 7.41 | 7.54 | 7.47 | 7.46 | 0.1 |
| Indiana | | | | | | |
| Btu | 14,003 | 14,019 | 13,987 | 14,042 | 14,012 | 0.2 |
| Sulfur | 0.88 | 0.90 | 0.85 | 0.89 | 0.86 | 3.9 |
| Ash | 7.06 | 7.23 | 7.18 | 7.14 | 7.17 | -0.4 |
| Michigan | | | | | | |
| Btu | 13,108 | 13,043 | 13,127 | 13,076 | 13,154 | -0.6 |
| Sulfur | 0.75 | 0.76 | 0.74 | 0.75 | 0.86 | -12.3 |
| Ash | 7.19 | 6.85 | 7.21 | 6.99 | 7.27 | -3.9 |
| Ohio | | | | | | |
| Btu | 14,261 | 14,242 | 14,198 | 14,246 | 14,159 | 0.6 |
| Sulfur | 0.99 | 0.97 | 1.00 | 0.98 | 1.00 | -2.3 |
| Ash | 7.33 | 7.49 | 7.43 | 7.46 | 7.29 | 2.3 |
| Wisconsin | | | | | | |
| Btu | 10,727 | 10,524 | 10,833 | 10,602 | 10,830 | -2.1 |
| Sulfur | 0.65 | 0.66 | 0.81 | 0.69 | 0.85 | -19.1 |
| Ash | 7.24 | 7.48 | 7.18 | 7.14 | 6.98 | 2.3 |
| West North Central | | | | | | |
| Btu | 8,293 | 8,211 | 8,281 | 8,271 | 8,235 | 0.4 |
| Sulfur | 0.94 | 0.84 | 0.85 | 0.89 | 0.84 | 6.6 |
| Ash | 6.35 | 6.36 | 6.36 | 6.33 | 6.31 | 0.3 |
| Iowa | | | | | | |
| Btu | 9,331 | 9,041 | 9,271 | 9,227 | 9,194 | 0.4 |
| Sulfur | 0.98 | 0.64 | 0.94 | 0.89 | 0.84 | 5.7 |
| Ash | 5.64 | 5.11 | 5.35 | 5.39 | 5.21 | 3.4 |
| Kansas | | | | | | |

| Census division and state¹ | July - September 2019 | April - June 2019 | July - September 2018 | Year to date | | Percent change |
|-------------------------------|--------------------------|----------------------|--------------------------|--------------|--------|-------------------|
| | | | | 2019 | 2018 | |
| Btu | 11,572 | 11,779 | 10,861 | 11,366 | 10,914 | 4.1 |
| Sulfur | 2.93 | 2.93 | 1.83 | 2.61 | 2.09 | 25.3 |
| Ash | 12.91 | 14.15 | 12.07 | 12.83 | 12.57 | 2.1 |
| Minnesota | | | | | | |
| Btu | 9,349 | 9,125 | 9,105 | 9,218 | 9,102 | 1.3 |
| Sulfur | 0.35 | 0.29 | 0.30 | 0.33 | 0.30 | 8.0 |
| Ash | 4.14 | 4.64 | 4.64 | 4.35 | 4.53 | -3.9 |
| Missouri | | | | | | |
| Btu | 11,177 | 11,176 | 11,148 | 11,169 | 11,256 | -0.8 |
| Sulfur | 2.34 | 2.20 | 2.39 | 2.26 | 2.35 | -3.8 |
| Ash | 8.68 | 8.63 | 8.72 | 8.64 | 8.69 | -0.7 |
| Nebraska | | | | | | |
| Btu | 8,696 | 8,694 | 9,097 | 8,698 | 8,957 | -2.9 |
| Sulfur | 0.22 | 0.22 | 0.25 | 0.22 | 0.24 | -8.3 |
| Ash | 4.51 | 4.51 | 4.93 | 4.55 | 4.81 | -5.6 |
| North Dakota | | | | | | |
| Btu | 7,212 | 7,190 | 7,191 | 7,201 | 7,183 | 0.2 |
| Sulfur | 0.87 | 0.90 | 0.76 | 0.88 | 0.80 | 10.3 |
| Ash | 6.72 | 6.97 | 6.81 | 6.87 | 6.81 | 0.9 |
| South Dakota | | | | | | |
| Btu | 8,386 | 8,462 | 8,399 | 8,427 | 8,364 | 0.8 |
| Sulfur | 0.52 | 0.58 | 0.55 | 0.55 | 0.57 | -3.6 |
| Ash | 6.01 | 6.30 | 6.12 | 6.19 | 6.44 | -3.9 |
| South Atlantic | | | | | | |
| Btu | 13,398 | 13,184 | 13,359 | 13,300 | 13,402 | -0.8 |
| Sulfur | 1.10 | 1.14 | 1.12 | 1.11 | 1.11 | 0.2 |
| Ash | 9.63 | 9.99 | 9.74 | 9.71 | 9.62 | 0.9 |
| Florida | | | | | | |
| Btu | 12,162 | 12,611 | 12,648 | 12,366 | 12,647 | -2.2 |
| Sulfur | 1.12 | 0.96 | 0.93 | 1.10 | 0.96 | 14.4 |
| Ash | 10.47 | 10.28 | 10.58 | 10.67 | 10.51 | 1.6 |
| Georgia | | | | | | |
| Btu | 12,434 | 12,620 | 12,329 | 12,620 | 12,551 | 0.6 |
| Sulfur | 0.79 | 0.83 | 1.06 | 0.90 | 0.96 | -6.2 |
| Ash | 11.21 | 9.71 | 11.50 | 10.19 | 9.96 | 2.3 |
| Maryland | | | | | | |
| Btu | 11,237 | 10,139 | 11,133 | 10,680 | 11,132 | -4.1 |
| Sulfur | 1.63 | 1.57 | 1.69 | 1.64 | 1.79 | -8.2 |
| Ash | 24.38 | 22.52 | 23.71 | 23.17 | 23.15 | 0.1 |
| North Carolina | | | | | | |
| Btu | 13,492 | 13,485 | 13,633 | 13,469 | 13,540 | -0.5 |
| Sulfur | 0.91 | 0.96 | 0.97 | 0.94 | 0.93 | 1.4 |
| Ash | 7.65 | 7.55 | 7.05 | 7.56 | 7.50 | 0.9 |
| South Carolina | | | | | | |
| Btu | 13,284 | 13,123 | 13,042 | 13,265 | 13,314 | -0.4 |
| Sulfur | 1.68 | 1.77 | 1.49 | 1.67 | 1.61 | 3.6 |
| Ash | 7.17 | 9.15 | 10.55 | 8.00 | 8.36 | -4.3 |
| Virginia | | | | | | |
| Btu | 14,124 | 14,092 | 14,133 | 14,088 | 14,143 | -0.4 |
| Sulfur | 0.84 | 0.83 | 0.84 | 0.83 | 0.85 | -2.0 |
| Ash | 7.42 | 7.61 | 7.11 | 7.52 | 7.31 | 2.8 |
| West Virginia | | | | | | |
| Btu | 13,927 | 13,951 | 14,001 | 13,944 | 14,057 | -0.8 |
| Sulfur | 1.37 | 1.51 | 1.32 | 1.31 | 1.27 | 3.3 |
| Ash | 7.23 | 7.21 | 6.71 | 7.22 | 6.86 | 5.3 |
| East South Central | | | | | | |
| Btu | 13,456 | 13,337 | 13,388 | 13,421 | 13,408 | 0.1 |
| Sulfur | 1.40 | 1.33 | 1.20 | 1.31 | 1.20 | 9.3 |
| Ash | 7.51 | 7.75 | 7.46 | 7.33 | 7.38 | -0.7 |
| Alabama | | | | | | |
| Btu | 13,767 | 13,644 | 13,838 | 13,722 | 13,831 | -0.8 |

| Census division and state¹ | July - September 2019 | April - June 2019 | July - September 2018 | Year to date | | Percent change |
|-------------------------------|--------------------------|----------------------|--------------------------|--------------|--------|-------------------|
| | | | | 2019 | 2018 | |
| Sulfur | 1.15 | 1.06 | 0.99 | 1.09 | 1.05 | 3.9 |
| Ash | 7.38 | 7.75 | 6.87 | 7.34 | 6.94 | 5.8 |
| Kentucky | | | | | | |
| Btu | 13,008 | 12,978 | 12,779 | 13,074 | 12,909 | 1.3 |
| Sulfur | 1.41 | 1.44 | 1.02 | 1.28 | 1.06 | 20.5 |
| Ash | 8.65 | 8.09 | 8.66 | 7.68 | 7.94 | -3.3 |
| Tennessee | | | | | | |
| Btu | 13,245 | 13,083 | 12,989 | 13,155 | 13,022 | 1.0 |
| Sulfur | 1.75 | 1.66 | 1.63 | 1.68 | 1.51 | 11.5 |
| Ash | 7.11 | 7.55 | 7.79 | 7.12 | 7.77 | -8.4 |
| West South Central | | | | | | |
| Btu | 9,954 | 10,170 | 10,146 | 9,903 | 9,874 | 0.3 |
| Sulfur | 0.69 | 0.74 | 0.67 | 0.68 | 0.62 | 10.9 |
| Ash | 8.40 | 8.85 | 8.58 | 8.55 | 8.37 | 2.1 |
| Arkansas | | | | | | |
| Btu | 11,673 | 11,907 | 11,773 | 11,684 | 11,592 | 0.8 |
| Sulfur | 1.27 | 1.16 | 1.29 | 1.20 | 1.20 | 0.1 |
| Ash | 9.74 | 9.44 | 10.33 | 9.90 | 10.58 | -6.4 |
| Louisiana | | | | | | |
| Btu | 7,939 | 8,141 | 8,117 | 7,840 | 8,055 | -2.7 |
| Sulfur | 0.59 | 0.63 | 0.70 | 0.62 | 0.73 | -14.8 |
| Ash | 5.49 | 5.91 | 6.46 | 5.67 | 6.40 | -11.3 |
| Oklahoma | | | | | | |
| Btu | 10,723 | 11,451 | 10,750 | 10,505 | 9,836 | 6.8 |
| Sulfur | 0.42 | 0.52 | 0.46 | 0.40 | 0.33 | 20.5 |
| Ash | 5.58 | 5.79 | 6.19 | 5.47 | 5.39 | 1.4 |
| Texas | | | | | | |
| Btu | 9,864 | 10,014 | 10,270 | 9,866 | 10,142 | -2.7 |
| Sulfur | 0.66 | 0.75 | 0.56 | 0.69 | 0.55 | 25.6 |
| Ash | 10.29 | 10.64 | 9.87 | 10.73 | 10.39 | 3.3 |
| Mountain | | | | | | |
| Btu | 10,708 | 10,586 | 10,522 | 10,587 | 10,536 | 0.5 |
| Sulfur | 0.57 | 0.56 | 0.61 | 0.56 | 0.61 | -7.7 |
| Ash | 7.67 | 7.41 | 7.20 | 7.25 | 7.12 | 1.9 |
| Arizona | | | | | | |
| Btu | 11,625 | 11,636 | 11,720 | 11,587 | 11,680 | -0.8 |
| Sulfur | 0.65 | 0.66 | 0.70 | 0.63 | 0.68 | -8.4 |
| Ash | 12.30 | 12.51 | 11.50 | 12.44 | 11.30 | 10.0 |
| Colorado | | | | | | |
| Btu | 12,117 | 11,313 | 11,144 | 11,310 | 10,755 | 5.2 |
| Sulfur | 0.73 | 0.52 | 0.47 | 0.59 | 0.46 | 28.7 |
| Ash | 9.66 | 8.62 | 8.14 | 8.42 | 8.10 | 4.0 |
| Idaho | | | | | | |
| Btu | 11,678 | 13,585 | 11,630 | 11,604 | 11,507 | 0.8 |
| Sulfur | 0.52 | 0.64 | 0.48 | 0.52 | 0.48 | 8.3 |
| Ash | 10.49 | 9.07 | 9.90 | 9.74 | 10.02 | -2.8 |
| Montana | | | | | | |
| Btu | 9,745 | 9,842 | 9,174 | 9,388 | 9,399 | -0.1 |
| Sulfur | 0.45 | 0.39 | 0.40 | 0.40 | 0.39 | 0.9 |
| Ash | 4.85 | 5.39 | 5.22 | 5.36 | 5.70 | -6.1 |
| Nevada | | | | | | |
| Btu | 11,743 | 11,713 | 11,475 | 11,689 | 11,597 | 0.8 |
| Sulfur | 0.48 | 0.52 | 0.40 | 0.49 | 0.43 | 13.8 |
| Ash | 9.59 | 10.49 | 9.55 | 9.76 | 9.07 | 7.6 |
| New Mexico | | | | | | |
| Btu | 12,211 | 12,200 | 12,253 | 12,217 | 12,221 | s |
| Sulfur | 0.78 | 0.81 | 0.64 | 0.82 | 0.72 | 13.6 |
| Ash | 10.14 | 10.57 | 10.43 | 10.37 | 10.70 | -3.0 |
| Utah | | | | | | |
| Btu | 11,362 | 11,317 | 11,581 | 11,416 | 11,545 | -1.1 |
| Sulfur | 0.41 | 0.40 | 0.45 | 0.41 | 0.47 | -11.5 |

| Census division and state ¹ | July - September 2019 | April - June 2019 | July - September 2018 | Year to date | | Percent change |
|---|--------------------------|----------------------|--------------------------|--------------|--------|-------------------|
| | | | | 2019 | 2018 | |
| Ash | 11.02 | 11.34 | 10.22 | 11.06 | 10.50 | 5.3 |
| Wyoming | | | | | | |
| Btu | 9,884 | 9,889 | 9,828 | 9,903 | 9,880 | 0.2 |
| Sulfur | 0.60 | 0.59 | 0.70 | 0.60 | 0.71 | -15.4 |
| Ash | 4.99 | 4.68 | 5.11 | 4.66 | 4.93 | -5.5 |
| Pacific | | | | | | |
| Btu | 11,625 | 11,483 | 11,568 | 11,521 | 11,531 | -0.1 |
| Sulfur | 0.47 | 0.43 | 0.41 | 0.43 | 0.46 | -5.9 |
| Ash | 11.88 | 10.67 | 10.28 | 10.63 | 10.28 | 3.4 |
| California | | | | | | |
| Btu | 11,778 | 11,639 | 11,638 | 11,653 | 11,619 | 0.3 |
| Sulfur | 0.48 | 0.44 | 0.41 | 0.44 | 0.46 | -5.4 |
| Ash | 12.37 | 11.12 | 10.48 | 11.01 | 10.58 | 4.0 |
| Oregon | | | | | | |
| Btu | 11,337 | 11,489 | 11,837 | 11,472 | 11,759 | -2.4 |
| Sulfur | 0.49 | 0.37 | 0.36 | 0.41 | 0.47 | -12.0 |
| Ash | 12.46 | 11.70 | 9.30 | 11.37 | 9.66 | 17.8 |
| Washington | | | | | | |
| Btu | 9,452 | 9,336 | 9,275 | 9,405 | 9,427 | -0.2 |
| Sulfur | 0.33 | 0.34 | 0.34 | 0.33 | 0.34 | -5.4 |
| Ash | 3.92 | 4.19 | 4.53 | 4.03 | 4.08 | -1.3 |
| U.S. Total | | | | | | |
| Btu | 11,933 | 11,983 | 11,927 | 11,937 | 11,852 | 0.7 |
| Sulfur | 1.04 | 1.00 | 1.00 | 1.02 | 1.01 | 1.7 |
| Ash | 7.45 | 7.59 | 7.46 | 7.47 | 7.44 | 0.4 |

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

- = No data reported.

s = Absolute percentage less than 0.05.

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

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

| Census division and state ¹ | July - September 2019 | April - June 2019 | July - September 2018 | Year to date | | Percent change |
|---|--------------------------|----------------------|--------------------------|--------------|--------|-------------------|
| | | | | 2019 | 2018 | |
| Middle Atlantic | | | | | | |
| Btu | - | 13,561 | - | 13,178 | 12,915 | 2.0 |
| Sulfur | - | 0.68 | - | 0.91 | 0.84 | 9.0 |
| Ash | - | 9.09 | - | 7.96 | 7.05 | 13.0 |
| Pennsylvania | | | | | | |
| Btu | - | 13,561 | - | 13,178 | 12,915 | 2.0 |
| Sulfur | - | 0.68 | - | 0.91 | 0.84 | 9.0 |
| Ash | - | 9.09 | - | 7.96 | 7.05 | 13.0 |
| East North Central | | | | | | |
| Btu | 11,311 | 11,326 | 11,458 | 11,708 | 11,565 | 1.2 |
| Sulfur | 3.04 | 3.10 | 3.14 | 2.71 | 2.79 | -2.8 |
| Ash | 9.88 | 10.07 | 9.62 | 9.41 | 9.15 | 2.8 |
| Illinois | | | | | | |
| Btu | 11,357 | 11,390 | 11,564 | 11,529 | 11,401 | 1.1 |
| Sulfur | 3.35 | 3.35 | 3.32 | 3.32 | 3.19 | 4.2 |
| Ash | 10.40 | 9.99 | 9.95 | 9.82 | 9.49 | 3.5 |
| Indiana | | | | | | |
| Btu | 11,238 | 11,183 | 11,317 | 11,409 | 11,279 | 1.1 |
| Sulfur | 2.54 | 2.56 | 2.90 | 2.36 | 2.66 | -11.2 |
| Ash | 9.04 | 10.27 | 9.17 | 9.35 | 8.99 | 4.1 |
| Wisconsin | | | | | | |
| Btu | - | - | - | 13,375 | 13,375 | s |
| Sulfur | - | - | - | 0.78 | 0.78 | s |
| Ash | - | - | - | 7.65 | 7.65 | s |
| West North Central | | | | | | |
| Btu | 11,126 | 10,802 | 11,304 | 10,581 | 10,482 | 0.9 |
| Sulfur | 2.49 | 2.44 | 2.29 | 1.96 | 1.90 | 2.9 |
| Ash | 8.36 | 8.65 | 8.66 | 7.95 | 9.08 | -12.5 |
| Iowa | | | | | | |
| Btu | 11,368 | 11,146 | 11,490 | 11,343 | 11,440 | -0.8 |
| Sulfur | 2.72 | 2.83 | 2.45 | 2.63 | 2.55 | 3.2 |
| Ash | 8.67 | 8.99 | 8.73 | 8.63 | 8.62 | 0.2 |
| Minnesota | | | | | | |
| Btu | - | 9,525 | - | 9,001 | 9,265 | -2.9 |
| Sulfur | - | 0.36 | - | 0.27 | 0.37 | -26.6 |
| Ash | - | 3.66 | - | 5.03 | 4.48 | 12.3 |
| Missouri | | | | | | |
| Btu | 11,395 | 11,305 | - | 11,335 | 11,372 | -0.3 |
| Sulfur | 2.94 | 2.92 | - | 2.96 | 3.13 | -5.5 |
| Ash | 8.46 | 8.25 | - | 8.26 | 8.69 | -4.9 |
| North Dakota | | | | | | |
| Btu | 8,958 | 9,054 | 9,025 | 8,900 | 8,566 | 3.9 |
| Sulfur | 0.40 | 0.54 | 0.34 | 0.47 | 0.56 | -15.8 |
| Ash | 5.60 | 7.40 | 7.75 | 6.76 | 10.26 | -34.1 |
| South Atlantic | | | | | | |
| Btu | 13,358 | 13,008 | 12,847 | 12,934 | 12,996 | -0.5 |
| Sulfur | 1.85 | 1.91 | 1.65 | 1.84 | 1.67 | 10.2 |
| Ash | 7.10 | 10.01 | 9.97 | 9.20 | 9.10 | 1.1 |
| North Carolina | | | | | | |
| Btu | 13,313 | 12,836 | 12,951 | 12,791 | 12,919 | -1.0 |
| Sulfur | 2.08 | 2.17 | 1.99 | 2.07 | 1.96 | 5.6 |
| Ash | 7.50 | 11.13 | 9.81 | 10.00 | 9.55 | 4.7 |
| Virginia | | | | | | |
| Btu | 13,573 | 13,774 | 12,594 | 13,635 | 13,231 | 3.1 |
| Sulfur | 0.73 | 0.77 | 0.83 | 0.71 | 0.79 | -9.9 |
| Ash | 5.16 | 5.07 | 10.36 | 5.29 | 7.75 | -31.7 |
| East South Central | | | | | | |

| Census division and state ¹ | July - September 2019 | April - June 2019 | July - September 2018 | Year to date | | Percent change |
|---|--------------------------|----------------------|--------------------------|--------------|--------|-------------------|
| | | | | 2019 | 2018 | |
| Btu | - | 13,093 | 13,569 | 13,040 | 13,570 | -3.9 |
| Sulfur | - | 0.76 | 0.76 | 0.78 | 0.78 | -0.6 |
| Ash | - | 5.90 | 6.12 | 6.58 | 4.51 | 45.7 |
| Kentucky | | | | | | |
| Btu | - | 13,093 | 13,569 | 13,040 | 13,570 | -3.9 |
| Sulfur | - | 0.76 | 0.76 | 0.78 | 0.78 | -0.6 |
| Ash | - | 5.90 | 6.12 | 6.58 | 4.51 | 45.7 |
| Mountain | | | | | | |
| Btu | 10,783 | 11,335 | 11,259 | 11,217 | 11,422 | -1.8 |
| Sulfur | 0.39 | 0.44 | 0.46 | 0.43 | 0.44 | -1.9 |
| Ash | 7.77 | 13.40 | 8.09 | 11.54 | 9.10 | 26.9 |
| Montana | | | | | | |
| Btu | 10,590 | - | 11,290 | 10,590 | 11,021 | -3.9 |
| Sulfur | 0.36 | - | 0.46 | 0.36 | 0.41 | -12.6 |
| Ash | 6.50 | - | 7.81 | 6.50 | 7.63 | -14.8 |
| Wyoming | | | | | | |
| Btu | 11,452 | 11,335 | 10,710 | 11,369 | 11,645 | -2.4 |
| Sulfur | 0.48 | 0.44 | 0.38 | 0.45 | 0.46 | -1.6 |
| Ash | 12.17 | 13.40 | 13.08 | 12.76 | 9.91 | 28.7 |
| Pacific | | | | | | |
| Btu | 7,605 | 7,570 | 7,448 | 7,574 | 7,552 | 0.3 |
| Sulfur | 0.17 | 0.14 | 0.18 | 0.16 | 0.15 | 5.3 |
| Ash | 8.07 | 7.35 | 7.50 | 7.47 | 6.75 | 10.8 |
| Alaska | | | | | | |
| Btu | 7,605 | 7,570 | 7,448 | 7,574 | 7,552 | 0.3 |
| Sulfur | 0.17 | 0.14 | 0.18 | 0.16 | 0.15 | 5.3 |
| Ash | 8.07 | 7.35 | 7.50 | 7.47 | 6.75 | 10.8 |
| U.S. Total | | | | | | |
| Btu | 9,170 | 9,013 | 9,553 | 9,492 | 9,618 | -1.3 |
| Sulfur | 1.09 | 1.09 | 1.29 | 1.12 | 1.19 | -5.6 |
| Ash | 8.33 | 8.16 | 8.40 | 8.12 | 7.91 | 2.6 |

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

- = No data reported.

s = Absolute percentage less than 0.05.

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