

# **Quarterly Coal Report January-March 1996**

**Energy Information Administration**  
Office of Coal, Nuclear, Electric  
and Alternate Fuels  
U.S. Department of Energy  
Washington, DC 20585

# Contacts

This publication was prepared by Paulette Young under the direction of Noel C. Balthasar, Chief, Coal Data Branch, Coal and Electric Data and Renewables Division, Office of Coal, Nuclear, Electric and Alternate Fuels. Specific information about the *Industry Developments* section can be obtained from Stephen Scott at (202) 426-1149, e-mail **SSCOTT@EIA.DOE.GOV**. Questions addressing the Appendix A, *U.S. Coal Imports* section, should be

directed to Paulette Young at (202) 426-1150, e-mail **PYOUNG@EIA.DOE.GOV**. Inquiries concerning Appendix C, Table C2 "Approximate Heat Content of Coal," should be directed to Willie Hong at (202) 426-1126, e-mail **BHONG@EIA.DOE.GOV**. All other questions on coal statistics should be directed to the National Energy Information Center (NEIC) at (202) 586-8800, e-mail **INFOCTR@EIA.DOE.GOV**.

# Preface

The *Quarterly Coal Report* (QCR) provides comprehensive information about U.S. coal production, distribution, exports, imports, receipts, prices, consumption, and stocks to a wide audience, including Congress, Federal and State agencies, the coal industry, and the general public. Coke production, consumption, distribution, imports, and exports data are also provided. The data presented in the QCR are collected and published by the Energy Information Administration (EIA) to fulfill data collection and dissemination responsibilities as specified in the Federal Energy Administration Act of 1974 (Public Law 93-275), as amended.

This report presents detailed quarterly data for January through March 1996 and aggregated quarterly historical data for 1988 through the fourth quarter of 1995. Appendix A displays, from 1988 on, detailed quarterly historical coal imports data, as specified in Section 202 of the Energy Policy and Conservation Amendments Act of 1985 (Public Law 99-58). Appendix B gives selected quarterly tables converted to metric tons.

To provide a complete picture of coal supply and demand in the United States, historical information has been integrated in this report. Additional historical data can also be found in the following EIA publications :

*Annual Energy Review 1995* DOE/EIA-0384(95); *Monthly Energy Review* DOE/EIA-0035; *Coal Data : A Reference* DOE/EIA-0064(93) DOE/EIA-0035; and *Coal Industry Annual* DOE/EIA-0584(94) .

The historical data in this report are collected by the EIA in three quarterly coal surveys (coal consumption at manufacturing plants, coal distribution, and coal consumption at coke plants), one annual coal production survey, and two monthly surveys of electric utilities. The coal surveys originated in the 1920's, at the Bureau of Mines, U.S. Department of the Interior. In 1977, the responsibility for these surveys was transferred to the EIA under the Department of Energy Organization Act (Public Law 95-91). The two electric utility surveys originated at the Federal Power Commission (FPC); one in 1936 under the Federal Power Act and one in 1972 under FPC Order Number

453. The EIA continued these surveys, reducing the frequency and quantity of information requested and increasing the automation of the associated data processing and report generation functions. Coal export and import data are obtained from the Bureau of the Census, U.S. Department of Commerce, which compiles monthly data from documents filed with the U.S. Customs Service, as required by law.

**Beginning with this reporting period, quarterly coal distribution data is no longer being collected. Annual coal distribution data will be reported in the *Coal Industry Annual*. Quarterly coal production and stocks data are now collected on the Form EIA-6, Schedule Q, "Quarterly Coal Report." The new survey collects coal production and stocks data by State of origin, at the company level. Companies required to report on the Schedule Q are coal producers that produce 30,000 or more short tons annually and coal distribution companies (non coal-producing companies) that average 10,000 short tons or more of coal stocks per quarter. Data from the new survey are reported in this issue of the *Quarterly Coal Report*.**

Data shown for 1995 and previous years are final, with the exception of coal production. All data shown for 1996 are preliminary. U.S. coal production for 1994 and previous years are based on the annual survey Form EIA-7A, "Coal Production Report." While coal production data for 1995 and 1996 are preliminary and are based on the quarterly survey Form EIA-6, "Coal Distribution Report," and Schedule Q, "Quarterly Coal Report," respectively.

A description of the revision policy and methodologies used to calculate data in this report can be found in Appendix C, *Explanatory Notes*. Table C1 presents the mean absolute value of change for 1994 and 1995 for selected data presented in this report.

Federal and State legislation are addressed in the *Industry Developments* section of this report.

The Office of Coal, Nuclear, Electric and Alternate Fuels acknowledges the cooperation of the respondents in supplying the information published in this report.

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# Summary

During January through March 1996, coal production established its third highest first-quarter total. This level of output can be attributed, in large part, to lower generation from hydroelectric plants and higher coal consumption by electric utility plants. Coal output reached nearly 258.1 million short tons in the first 3 months of 1996. As much of the United States experienced colder than normal weather, there was increased demand for coal for electric power generation. First-quarter 1996 coal statistics revealed:

- U.S. coal production decreased 3 percent from production in the first quarter 1 year ago. Coal production in the Interior Region rose to 44 million short tons. This was 4 percent higher than in the comparable quarter in 1995. Both the Appalachian Region and Western Region production dropped 3 percent and 6 percent, respectively, from first quarter 1995 levels.
- Coal exports totaled 20.5 million short tons, up 8 percent above the identical period in 1995. Of which, 12.5 million short tons were shipped to Europe, representing 61 percent of all U.S. coal exports.
- First quarter coal exports averaged \$41.77 per short ton. This was the second lowest first-quarter average price in 9 years, in spite of the fact that it was 3 percent more than the preceding quarter and 4.7 percent above the first-quarter 1995 averaged price.
- Imported coal, at 1.7 million short tons, fell nearly 5 percent in comparing the first quarter of 1996 versus 1995.
- Coal consumption also reached 243 million short tons, 15.4 million short tons more than the first-quarter 1995 consumption level. The electric utility sector consumed 8 percent more coal than last year and accounted for 88.4 percent of the first quarter consumption total.
- The average price of coal received at electric utilities declined to \$26.53 per short ton. Coal prices paid by industrial consumers remained stable at \$32.46 per short ton in the first 3 months of 1996, compared with the same period in 1995.
- Stockpiles at U.S. coal consuming plants were 124.5 million short tons. This was down 13.5 percent below the first-quarter level a year earlier. Coal stocks held by producers and distributors (36.9 million short tons) were 13.2 percent lower than their level at the end of the first quarter of 1995.

The United States produced 258 million short tons of coal in the first quarter of 1996, virtually identical to

coal output in the previous quarter, and 3 percent lower than in the first quarter of 1995 (Table 3). Wyoming was the top coal-producing State in the first 3 months of 1996 with 67 million short tons. West Virginia, with production of 39.7 million short tons, ranked second, while Kentucky with output of 37.9 million short tons ranked third. A draw-down of coal stocks in all consuming sectors contributed to the lower quarterly coal production tonnage.

Coal production in the Appalachian Region was about the same as in the previous quarter, but dropped 3 percent below the amount produced in the first quarter of 1995. In comparing first-quarter 1996 versus 1995, production increased 10.6 percent in Pennsylvania. This was offset by decreased output in West Virginia (down 7.9 percent) and Eastern Kentucky (down 7 percent). Production in the Interior Region totaled 44 million short tons, up 4 percent, above the previous quarter and the comparable quarter in 1995. Despite declines in first-quarter 1996 coal output in the States of Illinois and Indiana, production was up 27 percent and 3.8 percent, respectively, in Texas and Western Kentucky. Coal output in the Western Region in the first 3 months of 1996 totaled 104.4 million short tons, 2.8 percent less than in the preceding quarter, and nearly 6 percent lower than in the same quarter last year (Table 4).

As raw steel production in the United States dropped, coke production in the first quarter of 1996 was 5.7 million short tons, dropping 3.7 percent from the preceding quarter and almost 2 percent lower than in the first quarter of 1995. Demand for coke exceeded production in the first quarter, thus, coke stocks held by producers and distributors declined 12 percent from the previous quarter, but were up 27.5 percent above stocks held in the same quarter 1 year earlier (Table 2). In the first quarter, the average delivered price was \$47.47 per short ton, about the same as in the fourth quarter and the comparable quarter in 1995.

The United States exported 128,457 short tons of coke in the first quarter of 1996, 46.5 percent less than the fourth quarter of 1995 and down 5 percent from the same period last year. Imports of coke dropped to 417,907 short tons, 14 percent lower than the first quarter of 1995. The principal suppliers of the imported coke were Japan and China (Table 19).

U.S. coal exports in the first quarter of 1996 totaled 20.5 million short tons, down 15 percent from 24.2 million short tons in the previous quarter, but 8 percent higher than the amount of coal exported in the first quarter of 1995 (Table 8). Nearly two-thirds of the total first-quarter coal exports went to Europe (12.5 million short tons), Italy received the largest



amount -- 2.8 million short tons or 23 percent of the European total. Exports to Japan during the first 3 months of 1996 totaled 2.7 million short tons, 12 percent less than a year ago, as Australian coal replaced U.S. coal in the Japanese steel industry.

Over 60 percent of all coal exported during the first quarter was metallurgical coal, as worldwide demand for steel continued. Although the metallurgical coal exports of 12.3 million short tons were 7.1 percent below the level exported in the preceding quarter, they were 5.4 percent greater than the 11.7 million short tons exported in the first quarter of 1995. Higher coal shipments to Europe (7.3 million short tons) and Brazil (1.4 million short tons), were offset by lower deliveries to Japan (1.7 million short tons), represented a 20-percent decline from first-quarter 1995 tonnage (Table 12).

Exports of bituminous steam coal in the first quarter totaled 8.2 million short tons, falling 25.1 percent below the preceding quarter, but 12.3 percent higher than the first quarter of 1995. The decline reflects the normal seasonal first-quarter decline. However, compared with the first quarter of 1995, steam coal exports to Japan amounted to 1.1 million short tons (up 2.4 percent), and those to Italy were up to 1.2 million short tons. Also during the first quarter of 1996, Canada received 248 thousand short tons of steam coal, while both Morocco and Chile receipts totaled 525 thousand short tons and 72.9 thousand short tons, respectively (Table 10).

The average price of U.S. coal exports in the first quarter of 1996 was \$41.77 per short ton, rising 3 percent above the fourth quarter of 1995 and 4.7 percent higher than the same quarter in 1995 (Table 9). Nevertheless, this was the second lowest first-quarter average price since 1988 (Table 7). U.S. coal exports in the first quarter of 1996 were valued at approximately \$857 million.

Norfolk, Virginia, the Nation's leading coal-exporting customs district, handled 11.7 million short tons, or 57.1 percent, of total coal exports in the first quarter. Ranking next were Baltimore, Maryland, with nearly 3 million short tons (14.4 percent) and New Orleans, Louisiana, with 2.4 million short tons (11.7 percent)(Table 14).

U.S. coal imports in the first quarter of 1996 totaled 1.7 million short tons, compared to 2.1 million short tons in the previous quarter and 1.8 million short tons in the same quarter in 1995. About 60 percent of the imported coal was from Colombia and Venezuela. In spite of this, coal shipments from these countries were each down by 20 percent, respectively, from the first quarter of 1995 (Table 16). Averaging \$33.52 per short tons, U.S. coal imports were valued at \$57 million (Table 17). The leading coal imports customs district is Boston, Massachusetts, handling over 423 thousand short tons of coal in the first quarter (Table 18). U.S. coke imports in the first 3 months of 1996 totaled 418 thousand short tons, of which 400 thousand short tons were shipped from Japan and China. This represents a 13.7-percent drop in imported coke

when comparing first quarter 1996 versus 1995 (Table 19).

Coal receipts by U.S. consumers in the first quarter of 1996 were down slightly to 231.1 million short tons, the lowest quarterly level since the first quarter of 1994. By comparison, coal receipts totaled 239.6 million short tons in the previous quarter and 232.8 million short tons in the first quarter of 1995 (Table 20).

Coal receipts at electric utilities in the first 3 months of 1996 totaled 204 million short tons, down 3.1 percent below the 210.6 million short tons received in the previous quarter and virtually unchanged from the same period a year earlier. Coal receipts at coke plants also declined, dropping to 7.9 million short tons, the lowest quarterly level since the third quarter of 1994. This decrease at coke plants was a loss of 6.4 percent from the amount received in the previous quarter and 4.3 percent lower than in first quarter of 1995. Coal receipts at other industrial plants totaled 17.4 million short tons, which was 5.7 percent below the preceding quarter and 2.8 percent lower than in the first quarter of 1995. Coal received by residential and commercial consumers amounted to 1.7 million short tons in the first quarter of 1996, 16.5 percent below the level in the previous quarter, but 6.6 percent more than a year ago.

The average price of coal delivered to electric utilities in the first quarter of 1996 increased slightly to \$26.53 per short ton compared with \$26.47 per short ton in the preceding quarter. The average price of coal delivered to coke plants dropped slightly to \$47.47 per short ton from \$47.56 in the previous quarter (Table 31). Delivered coal prices at industrial plants averaged \$32.46 per short ton this quarter, and \$32.51 per short ton in the comparable quarter in 1995. At manufacturing plants, the price of coal receipts averaged \$32.46 per short ton, a modest gain from \$32.32 per short tons in the fourth quarter of 1995 (Table 35).

Total domestic consumption was 243 million short tons in the first quarter of 1996, 3 percent higher than in the previous quarter and 7 percent above the first quarter 1995 recorded level (Table 37). Electric utilities, the largest market for coal, reported the most impressive gain, increasing consumption by 16 million short tons over the amount consumed during the first quarter of 1995 (Table 39). Coal carbonized at coke plants during the first 3 months of 1996 totaled 8 million short tons. This was 3.4 percent below the previous quarter and 2 percent lower than consumption in the first quarter of 1995 (Table 40). Consumption at other industrial plants totaled 19 million short tons in the first quarter, a decrease of 2.7 percent from consumption during the comparable period in 1995 (Table 41). The amount of coal consumed by the residential and commercial sector at 1.7 million short tons, was 7 percent higher than in the previous year's first quarter (Table 43).

Electric utilities continue to expand their use of coal while limiting their use of oil and natural gas. Electric generation from coal during the first quarter of 1996 increased 7.5 percent compared to the same quarter

last year, as colder-than-normal temperatures across the Nation contributed to higher demand for electricity. Petroleum and nuclear generation rose 56.8 percent and 4.4 percent, respectively. In contrast, generation from natural gas declined 25.3 percent from the comparable first-quarter 1995 total.

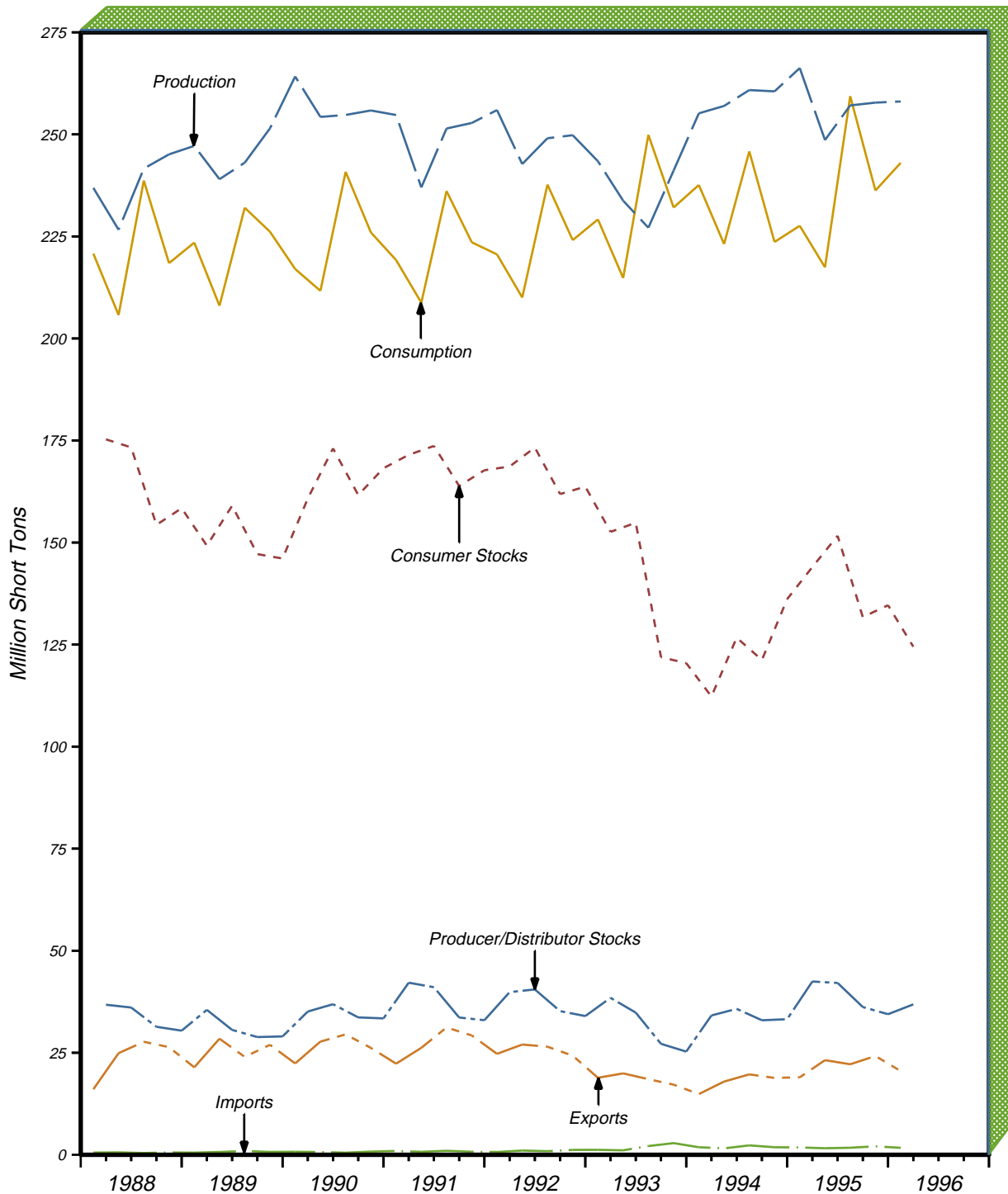
U.S. coal stocks totaled 161.3 million shorts at the end of March 1996, compared to 169.1 million short tons at the end of December 1995 and 186.5 million short tons at the end of March 1995. Overall, in comparing March 31, 1996, versus 1995, stock levels were down: 13.5 percent at utility plants, 5 percent at coke plants, 19.5 percent at industrial plants, and 13.2 percent at coal producers and distributors (Table 44).

Coal stocks held by consumers at the end of the first quarter of 1996 were 7.5 percent lower than those

held at the end of the fourth quarter of 1995. Total consumer stocks dropped from 134.5 million short tons at year-end 1995 to 124.5 million short tons at the end of the first quarter of 1996. Consumer stocks were also at their lowest end-of-quarter level since the middle of 1994. This was primarily due to a 9-million-short-ton stock draw-down at electric utilities, in comparing the first quarter 1996 level with the previous quarter in 1995 (Table 46). Coal stocks held by producers and distributors increased 6.9 percent, rising from 34.4 million short tons at year-end 1995 to 36.8 million short tons by the end of March 1995 (Table 51).

Sources: Energy Information Administration, *Electric Power Monthly*, June 1996, DOE/EIA-0226(96/06); *Monthly Energy Review*, June 1996, DOE/EIA-0036(96/06).

**Figure 1. Quarterly U.S. Coal Production, Imports, Consumption, Exports, and Stocks, 1988-1996**



Note: Each increment represents end-of-quarter data.  
 Sources, Production: Energy Information Administration (EIA), Form EIA-6, Schedule Q, "Quarterly Coal Report"; and Form EIA-7A, "Coal Production;" U.S. Department of Labor, Mine Safety and Health Administration, Form 7000-2, "Quarterly Mine Employment and Coal Production Report;" and State mining agency coal production reports; Imports: U.S. Department of Commerce, Bureau of the Census, "Monthly Report IM 145;" Producer and Distributor Stocks: Form EIA-6, Schedule Q, "Quarterly Coal Report;" and, Form EIA-6, "Coal Distribution Report;" Exports: U.S. Department of Commerce, Bureau of the Census, "Monthly Report EM 545;" Consumption and Consumer Stocks: EIA, Form EIA-759, Monthly Power Plant Report;" Form EIA-3, "Quarterly Coal Consumption Report - Manufacturing Plants;" Form EIA-867, "Annual Nonutility Power Producer Report;" Form EIA-7A, "Coal Production Report;" and Form EIA-5, "Coke Plant Report - Quarterly."

**Table 1. U.S. Coal Production, Imports, Consumption, Exports, and Stocks, 1988-1996**  
(Thousand Short Tons)

Year and Quarter	Production	Imports	Producer and Distributor Stocks <sup>1</sup>	Consumption	Exports	Consumer Stocks <sup>1</sup>	Losses and Unaccounted For <sup>2</sup>
<b>1988 January - March</b> .....	236,889	542	36,764	220,787	16,061	175,279	2,320
April - June .....	226,645	587	36,079	205,735	24,900	173,308	-746
July - September .....	241,622	437	31,360	238,672	27,691	154,331	-607
October - December.....	245,109	567	30,418	218,448	26,371	158,413	-2,283
<b>Total</b> .....	<b>950,265</b>	<b>2,134</b>		<b>883,642</b>	<b>95,023</b>		<b>-1,316</b>
<b>1989 January - March</b> .....	247,179	531	35,508	223,486	21,429	149,238	6,882
April - June .....	239,022	687	30,598	208,025	28,445	159,013	-1,628
July - September .....	243,060	925	28,848	232,026	23,991	147,165	1,566
October - December.....	251,468	708	29,000	226,163	26,949	146,087	-9
<b>Total</b> .....	<b>980,729</b>	<b>2,851</b>		<b>889,699</b>	<b>100,815</b>		<b>6,811</b>
<b>1990 January - March</b> .....	264,184	735	35,099	217,014	22,383	160,782	4,727
April - June .....	254,279	674	36,895	211,666	27,733	173,061	1,479
July - September .....	254,760	514	33,659	240,821	29,497	161,639	-387
October - December.....	255,853	776	33,418	225,978	26,191	168,210	-1,870
<b>Total</b> .....	<b>1,029,076</b>	<b>2,699</b>		<b>895,480</b>	<b>105,804</b>		<b>3,949</b>
<b>1991 January - March</b> .....	254,746	938	42,162	219,208	22,318	171,485	2,140
April - June .....	237,006	730	41,054	208,757	26,214	173,663	1,696
July - September .....	251,438	984	33,628	236,093	31,197	163,860	2,360
October - December.....	252,794	738	32,971	223,562	29,239	167,711	-2,464
<b>Total</b> .....	<b>995,984</b>	<b>3,390</b>		<b>887,621</b>	<b>108,969</b>		<b>3,731</b>
<b>1992 January - March</b> .....	255,956	679	39,853	220,594	24,731	168,632	3,507
April - June .....	242,735	1,043	40,513	210,037	27,010	173,270	1,434
July - September .....	249,055	882	35,198	237,698	26,481	161,878	2,464
October - December.....	249,799	1,199	33,993	224,093	24,294	163,692	2,002
<b>Total</b> .....	<b>997,545</b>	<b>3,803</b>		<b>892,421</b>	<b>102,516</b>		<b>9,407</b>
<b>1993 January - March</b> .....	243,417	1,213	38,453	229,165	18,870	152,619	3,208
April - June .....	233,750	1,093	34,827	214,820	19,946	154,842	1,479
July - September .....	227,131	2,142	27,183	249,872	18,522	121,909	1,457
October - December.....	241,127	2,861	25,284	232,087	17,181	120,458	-1,930
<b>Total</b> .....	<b>945,424</b>	<b>7,309</b>		<b>925,944</b>	<b>74,519</b>		<b>4,213</b>
<b>1994 January - March</b> .....	255,153	1,850	34,139	237,596	14,877	112,278	3,854
April - June .....	256,964	1,577	35,758	223,145	17,940	126,694	1,421
July - September .....	260,853	2,304	32,955	245,820	19,704	121,225	5,904
October - December.....	260,535	1,853	33,219	223,640	18,838	136,139	4,732
<b>Total</b> .....	<b>1,033,504</b>	<b>7,584</b>		<b>930,201</b>	<b>71,359</b>		<b>15,912</b>
<b>1995 January - March</b> .....	266,244	1,795	42,460	227,604	18,988	144,004	4,343
April - June .....	248,613	1,609	42,104	217,439	23,184	151,657	2,302
July - September .....	257,097	1,725	36,193	259,353	22,175	131,739	3,124
October - December.....	257,782	2,071	34,444	236,243	24,201	134,639	-1,742
<b>Total</b> .....	<b>1,029,737</b>	<b>7,201</b>		<b>940,638</b>	<b>88,547</b>		<b>8,028</b>
<b>1996 January - March</b> .....	258,056	1,713	36,851	243,018	20,516	124,493	3,975
<b>Total</b> .....	<b>258,056</b>	<b>1,713</b>		<b>243,018</b>	<b>20,516</b>		<b>3,975</b>

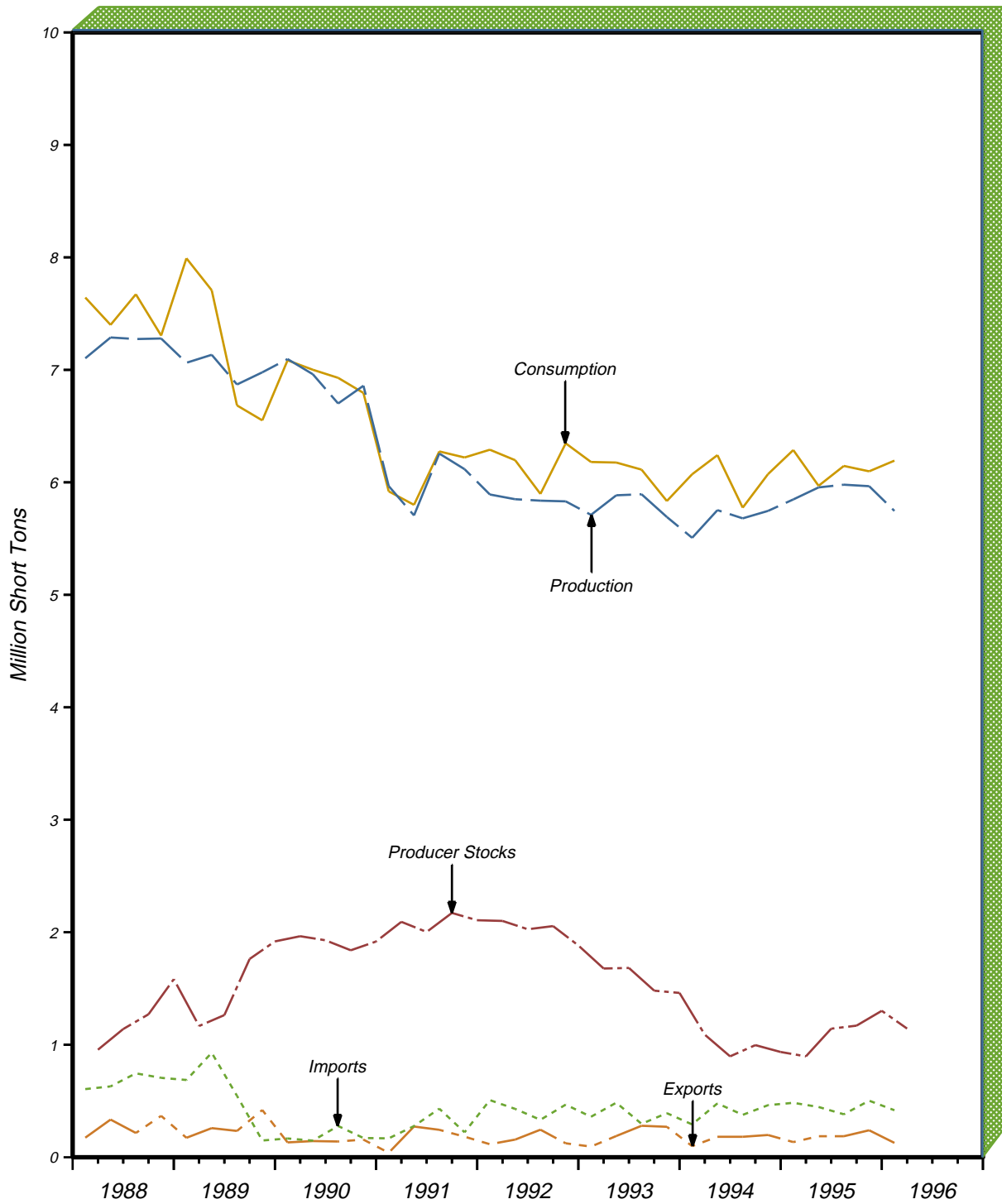
<sup>1</sup> Reported as of the last day of the quarter.

<sup>2</sup> Losses and Unaccounted For equals production plus imports minus the change in producer and distributor stocks minus consumption minus exports minus the change in consumer stocks.

Notes: Consumption data for 1989 through 1996 exclude coal consumed by independent power producers to generate electricity and cogeneration plants not included in the other industrial, coke, and commercial sectors. In 1989, 1990, 1991, 1992, 1993, 1994, 1995 and 1996 these excluded EIA quarterly estimated consumption data are: 219, 400, 1500, 2500, 3086, 3785, 4500 and 5000 thousand short tons, respectively. Total may not equal sum of components because of independent rounding.

Sources: • Production: Energy Information Administration (EIA), Form EIA-6, Schedule Q, "Quarterly Coal Report"; and Form EIA-7A, "Coal Production Report"; Mine Safety and Health Administration, U.S. Department of Labor, Form 7000-2, "Quarterly Mine Employment and Coal Production Report"; and State mining agency coal production reports; • Imports: Bureau of the Census, U.S. Department of Commerce, "Monthly Report IM 145"; • Producer and Distributor Stocks: EIA, Form EIA-6, "Coal Distribution Report"; and Form EIA-6, Schedule Q, "Quarterly Coal Report"; • Exports: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 545"; • Consumption and Consumer Stocks: EIA, Form EIA-759, "Monthly Power Plant Report"; Form EIA-3, "Quarterly Coal Consumption Report - Manufacturing Plants"; Form EIA-5, "Coke Plant Report - Quarterly"; Form EIA-867, "Annual Nonutility Power Producer Report"; Form EIA-7A, "Coal Production Report"; and Form EIA-6, "Coal Distribution Report."

**Figure 2. U.S. Coke Production, Imports, Consumption, Exports, and Stocks, 1988-1996**



Note: Each increment represents end-of-quarter data.  
 Sources: Production, Consumption, and Producer and Distributor Stocks: Energy Information Administration (EIA), Form EIA-5, "Coke Plant Report - Quarterly;" Exports: U.S. Department of Commerce, Bureau of the Census, "Monthly Report EM 545;" Imports: U.S. Department of Commerce, Bureau of the Census, "Monthly Report IM 145."

**Table 2. U.S. Coke Production, Imports, Consumption, Exports, and Stocks, 1988-1996**  
(Thousand Short Tons)

Year and Quarter	Production	Imports	Producer and Distributor Stocks <sup>1</sup>	Consumption <sup>2</sup>	Exports
<b>1988 January - March</b> .....	7,103	606	956	7,643	174
April - June .....	7,288	630	1,140	7,400	335
July - September .....	7,274	746	1,271	7,672	216
October - December.....	7,279	706	1,583	7,305	368
<b>Total</b> .....	<b>28,945</b>	<b>2,688</b>		<b>30,021</b>	<b>1,093</b>
<b>1989 January - March</b> .....	7,063	687	1,167	7,992	173
April - June .....	7,134	929	1,264	7,708	259
July - September .....	6,870	546	1,763	6,684	234
October - December.....	6,978	149	1,919	6,551	420
<b>Total</b> .....	<b>28,045</b>	<b>2,311</b>		<b>28,935</b>	<b>1,085</b>
<b>1990 January - March</b> .....	7,096	167	1,965	7,085	132
April - June .....	6,961	148	1,929	7,001	144
July - September .....	6,701	278	1,840	6,929	140
October - December.....	6,859	171	1,918	6,795	157
<b>Total</b> .....	<b>27,617</b>	<b>765</b>		<b>27,811</b>	<b>572</b>
<b>1991 January - March</b> .....	5,967	168	2,093	5,920	40
April - June .....	5,706	277	2,003	5,800	273
July - September .....	6,256	432	2,172	6,275	244
October - December.....	6,117	222	2,107	6,221	183
<b>Total</b> .....	<b>24,046</b>	<b>1,099</b>		<b>24,216</b>	<b>740</b>
<b>1992 January - March</b> .....	5,892	508	2,101	6,290	116
April - June .....	5,850	430	2,027	6,197	157
July - September .....	5,837	333	2,055	5,897	245
October - December.....	5,831	468	1,883	6,347	124
<b>Total</b> .....	<b>23,410</b>	<b>1,739</b>		<b>24,731</b>	<b>642</b>
<b>1993 January - March</b> .....	5,711	360	1,678	6,181	95
April - June .....	5,885	485	1,683	6,176	189
July - September .....	5,894	297	1,481	6,113	280
October - December.....	5,692	392	1,461	5,834	271
<b>Total</b> .....	<b>23,182</b>	<b>1,534</b>		<b>24,303</b>	<b>835</b>
<b>1994 January - March</b> .....	5,507	292	1,090	6,072	99
April - June .....	5,753	479	897	6,242	182
July - September .....	5,680	377	997	5,775	182
October - December.....	5,746	463	936	6,073	198
<b>Total</b> .....	<b>22,686</b>	<b>1,612</b>		<b>24,163</b>	<b>660</b>
<b>1995 January - March</b> .....	5,848	484	897	6,287	135
April - June .....	5,955	447	1,143	5,969	187
July - September .....	5,979	382	1,170	6,146	187
October - December.....	5,966	503	1,302	6,098	240
<b>Total</b> .....	<b>23,749</b>	<b>1,816</b>		<b>24,500</b>	<b>750</b>
<b>1996 January - March</b> .....	5,746	418	1,144	6,193	128
<b>Total</b> .....	<b>5,746</b>	<b>418</b>		<b>6,193</b>	<b>128</b>

<sup>1</sup> Reported as of the last day of the quarter.

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

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

Sources: • Production, Consumption, and Producer and Distributor Stocks: Energy Information Administration, Form EIA-5, "Coke Plant Report - Quarterly"; • Imports: Bureau of the Census, U.S. Department of Commerce, "Monthly Report IM 145"; and • Exports: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 545".

# Industry Developments

**Top 10 Coal-Producing Companies in 1995.** The top 10 U.S. coal-producing companies in 1995 were: (1) Peabody Holding Co.; (2) Cyprus AMAX Minerals Co.; (3) Consol Energy Inc.; (4) ARCO Coal Co.; (5) Kennecott Energy Co.; (6) Zeigler Coal Holding Co.; (7) Kerr-McGee Coal Corp.; (8) North American Coal Corp.; (9) Texas Utilities Co.; and (10) Arch Mineral Corp.<sup>1</sup>

The top three companies remained unchanged from 1994. Peabody produced 140 million short tons in 1995, 20 million short tons more than in 1994, due to higher productivity at their existing mines and the acquisition of additional mines in 1995. Cyprus AMAX and Consol produced 75 million short tons and 69 million short tons, respectively, a slight decrease from their 1994 levels.

ARCO rose from sixth in 1994 to fourth in 1995, increasing its production by 7 million short tons to 46 million short tons. Kennecott Energy dropped from fourth to fifth in 1995, but its production remained at 45 million short tons. Zeigler Coal Holding Co. ranked sixth in 1995, as its tonnage declined 5 million short tons to 36 million short tons. Kerr-McGee Coal Corp. went up to seventh place from tenth place in 1994, as its 1995 output increased by 6 million short tons, replacing Montana Power Co., which dropped to eleventh place. North American Coal Corp. and Texas Utilities Co. ranked eighth and ninth in both years; their production tonnage remained at 27 million short tons and 26 million short tons, respectively. The tenth-placed coal producer in 1995 was Arch Mineral Corp., whose production increased by nearly 2 million short tons, to 25 million short tons.<sup>2</sup>

**Peabody Western's Reclamation Technique Wins Award.** The International Erosion Control Association (IECA) awarded its Excellence in Design award for 1996 to Peabody Western Coal Company for its innovative environmental techniques for reclamation. Peabody's comprehensive surface stabilization plan in use at their surface mining operations at Black Mesa, Arizona, are considered an industry model by the U.S. Department of the Interior's Office of Surface Mining. The IECA is a non-profit, environmental organization with membership in 32 nations. Peabody Western is

the first coal company to receive their Excellence in Design award.

Peabody Western's goal is to reclaim surface-mined land and convert it into productive rangeland. Using water and soil conservation techniques -- such as dam building, surface grading, and sediment trapping -- environmental technicians are able to maximize soil stability and enhance plant growth. This is particularly challenging in a sparsely vegetated terrain, with steep drainage runoff problems and an average annual rainfall of only 10 inches per year. Surface stabilization plans are custom-designed for each area of reclaimed land and the erosion control components are integrated into the reclamation of each site.

So far, Peabody Western has applied the process to more than 9,000 acres of previously mined land. Results show that two to three times more livestock can graze on the reclaimed lands than would be possible on native vegetation on untreated lands.<sup>3</sup>

**With Shrinking Funds, Fossil Energy Tries New Approach.** When the House of Representatives Appropriations Committee approved the FY96 funding bill for the U.S. Department of Energy (DOE), Office of Fossil Energy in April 1996, funds for coal technology research and development fell 16 percent (\$21 million) from the FY95 level. DOE has proposed another \$17 million cut for FY97. Concurrently, Fossil Energy is proposing to consolidate research functions now performed by field offices, and to reduce the present number of Deputy Assistant Secretaries overseeing the research.

In the past, DOE requested funds for conducting fossil energy research by fuel type: oil, coal, and natural gas. Beginning with the FY97 budget process, the department is adopting a "business line" or market-perspective approach. In their budget request before the House Appropriations Committee in April, the Office of Fossil Energy presented this new approach to coal (and other fuels) research activities organized by the following three categories: (1) Advanced Power Systems, (2) Advanced Clean Fuels Research, and (3) Advanced Research and Technology Development.

<sup>1</sup> The 1995 data are from Form EIA-6, "Coal Distribution Report," which collects data on coal production and purchases, distribution, and stocks. Production data are considered preliminary until the data from Form EIA-7A, "Coal Production Report," are finalized for the reporting year.

<sup>2</sup> Note: the comparable 1994 data are from Form EIA-7A, "Coal Production Report"; State Mining Agency Coal Production Reports; and/or U.S. Department of Labor, Mine Safety and Health Administration Form 7000-2, "Quarterly Mine Employment and Production Report." They are published in Table 14 of the *Coal Industry Annual 1994* (DOE/EIA-0584(94)), Energy Information Administration, (Washington, DC, October 1995), p. 23.

<sup>3</sup> "Arizona Mine First in Industry to Win IECA Award" *Coal Week* (March 1996), p. 4.

The Advanced Power Systems area will oversee research in advanced low-emission boiler technology, pressurized fluidized bed combustion, and integrated gasification combined cycle systems. In addition, research for advanced emissions systems for particulates and CO<sub>2</sub> control will be funded from this part of the appropriation. The FY97 request for Advanced Power Systems is \$66.8 million compared with the \$80.2 million DOE received for this effort in FY96.

The Advanced Clean Fuels area will concentrate on solving the problem of long-term dependence on foreign oil. In the area of coal, this will support continued research on refining coal to liquid fuels and chemicals that can substitute for petroleum-based products. Funding for coal preparation and environmental technology will also continue. The FY97 request for Advanced Clean Fuels is \$15.9 million, \$3.4 million less than the FY96 funding level.

The Advanced Research and Technology Development area will include research on coal utilization science, coal technology exports, coal bioprocessing, as well as coal research carried out at universities. The FY97 request for these activities is \$19.8 million, down from \$21.3 million in FY96.<sup>4</sup>

***Coal Fatalities Increase in 1995, Despite 25-Year Downward Trend.*** The Mine Safety and Health Administration (MSHA) tabulated 47 on-the-job fatalities at U.S. coal mines in 1995. This figure was slightly less than half of the reported deaths for all mining operations (coal and other). Fatalities increased by 3 from 1994, the year with the fewest mining fatalities since 1968, the start of the current tracking system. Despite the 1995 increase, the trend in the number of deaths has been generally downward since 1968. In that year, 311 fatalities were reported. Although the actual numbers rose and fell from 1968 to the present, the over-all trend has shown a decline in fatalities. The most recent data, covering the 1990's, have shown 4 consecutive years with fewer mining fatalities; 1995 is the first year since 1990 to show an increase.

Kentucky and West Virginia had the highest number of fatalities in 1995, 12 and 16, respectively. MSHA further reported that on-the-job deaths at underground mines were 22 in 1995 (the same as the prior year). Deaths at surface mines, however, increased to 25 from 22 in 1994. In both types of mining operations, accidents involving heavy machinery such as trucks and front-end loaders were the most frequent. Fatalities involving electrocution doubled from 1994. There were no fatal mine explosions in 1995.<sup>5</sup>

***Allowance Prices Show Strength At EPA Auction.*** Trading was active in the U.S. Environmental Pro-

tection Agency's fourth annual allowance auction, held on March 25. Two companies dominated the auction: Enron Power Marketing and Virginia Electric & Power. Enron succeeded in buying 107,264 Phase I allowances at the auction. While other companies also had winning bids, many were disappointed. Unsuccessful offers were made for 761,718 additional Phase-I allowances, more than a quarter of them for more than \$60 per ton. All of the 1996 allowances were sold. Successful bids ranged from \$65 per ton to \$70 per ton.

Virginia Electric & Power was the largest purchaser of Phase II allowances. It purchased 17 thousand, or 68 percent, of the year-2002 allowances and 66 thousand, or 66 percent, of the year-2003 allowances.

Overall, the weighted average price for Phase I allowances was \$68.14 per ton. The Phase II allowance prices were slightly lower than the Phase I bids. The weighted average price for the 25,000 year-2002 allowances was \$65.36 per ton. For the year-2003 allowances, the weighted average price was \$64.21 per ton.<sup>6</sup>

***FERC Rules on Open Access and Stranded Cost Recovery.*** On April 24, 1996, the Federal Energy Regulatory Commission (FERC) issued rules (Orders No. 888 and No. 889) that opened access to electric utilities' transmission systems, provided a vehicle for recovery of stranded costs, and required utilities to inform customers about distribution access.

FERC's Order No. 888 covers both open access and stranded cost issues. "It requires that public utilities owning, controlling, or operating transmission lines to file tariffs that offer others the same transmission service they provide themselves.

Order No. 888 also provides for the full recovery of stranded costs -- that is, costs that were prudently incurred to serve power customers and that could go unrecovered if these customers use open access to move to another supplier.

To be eligible for recovery, stranded costs recoverable under the rule are those associated with wholesale requirements contracts signed before July 11, 1994. After that date, recovery must be specifically provided for in the contract. The Commission ruled that stranded costs should be recovered from a utility's departing customers.<sup>7</sup>

FERC Order No. 889, known as the Open Access Same-time Information System rule or OASIS rule, "works to ensure that transmission owners and their affiliates do not have an unfair competitive advantage in using transmission to sell power. The rule requires public utilities to: obtain information about their

<sup>4</sup> "Congress Cuts Fossil Energy Funding in 1996; Examines 1997 Proposal," *Coal Week* (May 13, 1996), p. 10; "Plan Proposed To Reorganize DOE's Fossil Energy R&D," *Mining Week* (April 15, 1996), p. 3; "DOE Proposes 17 Percent Cut in Fossil Energy R&D and 4 Percent Cut for Gas R&D in FY97," *Foster Natural Gas Report* (March 21, 1996), p. 9.

<sup>5</sup> "Coal Mining Fatalities Increase by Three in 1995," *The Coal Journal* (March 1996), p. 11.

<sup>6</sup> "SO<sub>2</sub> Allowance Auction Prices Hit \$65-70 Range; Enron, Virginia Power Big Winners," *Utility Environment Report* (March 29, 1996), p. 1.

<sup>7</sup> News Release (April 24, 1996), Federal Energy Regulatory Commission.



transmission system for their own wholesale power transactions, such as available capacity, in the same way their competitors do -- via an OASIS or the Internet; and completely separate their wholesale power marketing and transmission operation functions.<sup>8</sup>

***Zeigler Explores Coal By Wire.*** Zeigler Coal Co., the sixth largest coal producer in the United States, has recently been exploring the marketing of "coal by wire" with customers. Zeigler president Chand Vyas explained how it would work: a utility would say, "give us your best price on coal going to the closest low-cost utility with excess capacity... and we'll buy your coal by buying their power."

According to Mr. Vyas, Zeigler has entered into a relationship with a small utility that belongs to an exchange that brokers electricity. Zeigler offers them on-the-spot price quotes, enabling the utility to make specific bids to provide power. This will, in effect, substitute transmission lines for rail lines. Although this practice looks promising for coal companies and utilities, railroad companies are opposed to it. Tradi-

tionally, the rail companies have prospered from the long distance hauling of coal from the mine to the power plant. The concept of "coal by wire" will ultimately mean less business for the rail carriers.

Mr. Vyas feels that coal companies must be prepared to capitalize on soon-to-be realized improvements in power plant operating efficiencies. He feels that utilization at coal-fired baseload plants, currently averaging 55 to 60 percent capacity, could increase by 20 percentage points. This would account for a 250-million-ton-per-year boost in coal demand, even with no new coal-fired plants coming on-line.

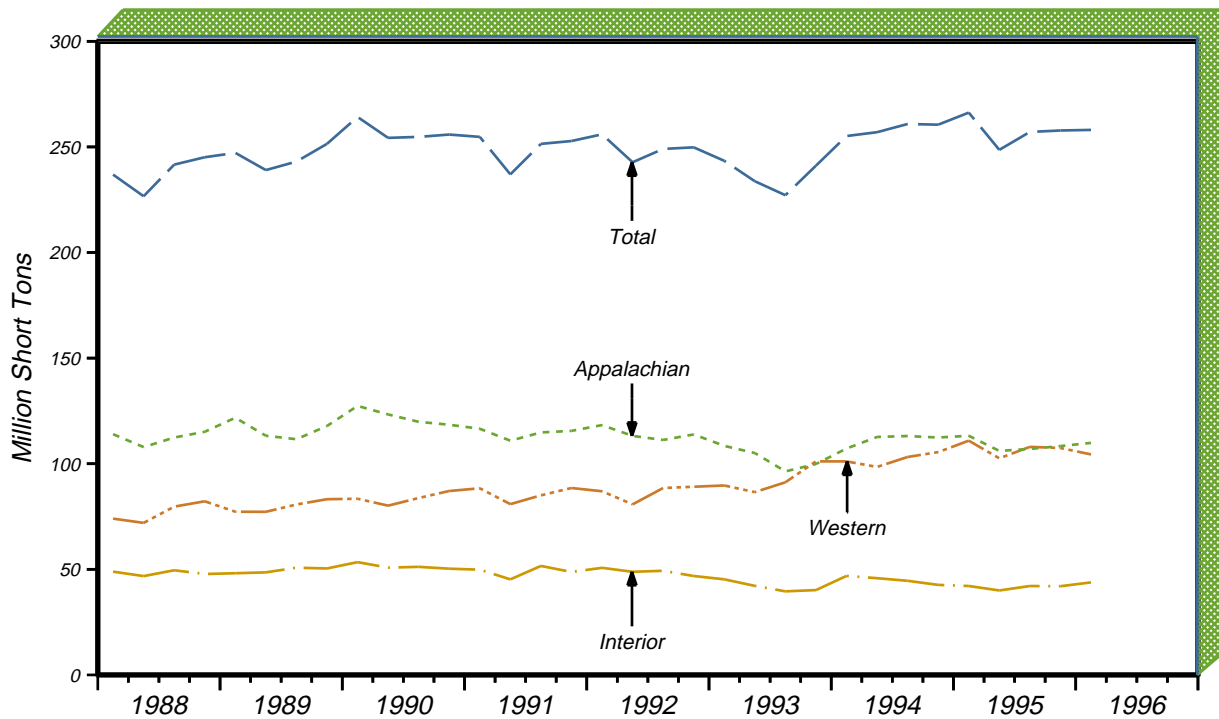
Zeigler is also revising its contract agreements for long-term utility customers, with the goal of preserving their profitability and keeping their customers satisfied. This strategy will involve the establishment of a two-tier pricing structure, where the utility will be offered coal on a per-ton price basis, as well as on a semi-regular, lump-sum purchase basis. According to Mr. Vyas, "Doing this allows them a second tier of costs that may be recouped under possible stranded-investment recovery mechanisms."<sup>9</sup>

<sup>8</sup> News Release (April 24, 1996) Federal Energy Regulatory Commission.

<sup>9</sup> "Big Coal Producer Zeigler Studying 'Coal By Wire' with Some Utilities," *Electric Utility Week* (June 10, 1996), p. 8.

# Production

**Figure 3. U.S. Quarterly Coal Production, 1988-1996**



Note: Each increment represents end-of-quarter data.  
 Sources: Energy Information Administration (EIA), Form EIA-6, Schedule Q, "Quarterly Coal Report"; and Form EIA-7A, "Coal Production Report;" U.S. Department of Labor, Mine Safety and Health Administration, Form 7000-2, "Quarterly Mine Employment and Coal Production Report;" and State mining agency coal production reports.

**Table 3. U.S. Coal Production, 1988-1996**  
(Thousand Short Tons)

Year	January - March	April - June	July - September	October - December	Year to Date
1988.....	236,889	226,645	241,622	245,109	950,265
1989.....	247,179	239,022	243,060	251,468	980,729
1990.....	264,184	254,279	254,760	255,853	1,029,076
1991.....	254,746	237,006	251,438	252,794	995,984
1992.....	255,956	242,735	249,055	249,799	997,545
1993.....	243,417	233,750	227,131	241,127	945,424
1994.....	255,153	256,964	260,853	260,535	1,033,504
1995.....	266,244	248,613	257,097	257,782	1,029,737
1996.....	258,056	NA	NA	NA	258,056

NA Not available.  
 Notes: Total may not equal sum of components because of independent rounding.  
 Sources: Energy Information Administration (EIA), Form EIA-6, Schedule Q, "Quarterly Coal Report"; and Form EIA-7A, "Coal Production Report"; Mine Safety and Health Administration, U.S. Department of Labor, Form 7000-2, "Quarterly Mine Employment and Coal Production Report"; and State mining agency coal production reports.

**Table 4. Coal Production by State**  
(Thousand Short Tons)

Coal-Producing Region and State	January - March 1996	October - December 1995	January - March 1995	Year to Date		
				1996	1995	Percent Change
Alabama.....	5,557	6,352	6,108	5,557	6,108	-9.0
Alaska.....	436	510	374	436	374	16.3
Arizona.....	2,322	2,782	2,938	2,322	2,938	-21.0
Arkansas.....	7	3	3	7	3	129.5
Colorado.....	4,912	6,546	6,289	4,912	6,289	-21.9
Illinois.....	12,285	11,560	13,395	12,285	13,395	-8.3
Indiana.....	6,425	6,127	7,018	6,425	7,018	-8.5
Kansas.....	62	62	90	62	90	-31.1
Kentucky Total.....	37,947	37,956	39,771	37,947	39,771	-4.6
Eastern.....	28,870	29,643	31,027	28,870	31,027	-7.0
Western.....	9,077	8,313	8,744	9,077	8,744	3.8
Louisiana.....	744	800	771	744	771	-3.5
Maryland.....	965	935	1,028	965	1,028	-6.1
Missouri.....	154	92	145	154	145	5.8
Montana.....	8,493	10,547	11,109	8,493	11,109	-23.5
New Mexico.....	5,935	6,237	7,168	5,935	7,168	-17.2
North Dakota.....	7,833	7,498	8,084	7,833	8,084	-3.1
Ohio.....	7,139	6,933	6,549	7,139	6,549	9.0
Oklahoma.....	469	586	462	469	462	1.4
Pennsylvania Total.....	17,624	15,420	15,932	17,624	15,932	10.6
Anthracite.....	979	1,037	980	979	980	-.1
Bituminous.....	16,645	14,383	14,952	16,645	14,952	11.3
Tennessee.....	855	656	681	855	681	25.5
Texas.....	14,586	14,456	11,478	14,586	11,478	27.1
Utah.....	7,018	6,411	6,027	7,018	6,027	16.4
Virginia.....	9,168	8,406	8,856	9,168	8,856	3.5
Washington.....	941	1,317	1,014	941	1,014	-7.2
West Virginia Total.....	39,669	39,997	43,052	39,669	43,052	-7.9
Northern.....	10,868	10,428	11,582	10,868	11,582	-6.2
Southern.....	28,801	29,570	31,470	28,801	31,470	-8.5
Wyoming.....	66,512	65,592	67,901	66,512	67,901	-2.0
<b>Appalachian Total.....</b>	<b>109,847</b>	<b>108,344</b>	<b>113,233</b>	<b>109,847</b>	<b>113,233</b>	<b>-3.0</b>
<b>Interior Total.....</b>	<b>43,809</b>	<b>41,999</b>	<b>42,107</b>	<b>43,809</b>	<b>42,107</b>	<b>4.0</b>
<b>Western Total.....</b>	<b>104,401</b>	<b>107,440</b>	<b>110,904</b>	<b>104,401</b>	<b>110,904</b>	<b>-5.9</b>
<b>East of the Miss. River.....</b>	<b>137,633</b>	<b>134,344</b>	<b>142,391</b>	<b>137,633</b>	<b>142,391</b>	<b>-3.3</b>
<b>West of the Miss. River.....</b>	<b>120,423</b>	<b>123,439</b>	<b>123,854</b>	<b>120,423</b>	<b>123,854</b>	<b>-2.8</b>
<b>U.S. Total.....</b>	<b>258,056</b>	<b>257,782</b>	<b>266,244</b>	<b>258,056</b>	<b>266,244</b>	<b>-3.1</b>

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

Sources: Energy Information Administration (EIA), Form EIA-6, Schedule Q, "Quarterly Coal Report"; and Form EIA-7A, "Coal Production Report"; Mine Safety and Health Administration, U.S. Department of Labor, Form 7000-2, "Quarterly Mine Employment and Coal Production Report"; and State mining agency coal production reports.

**Table 5. Coke and Breeze Production at Coke Plants**

(Thousand Short Tons)

	January - March 1996	October - December 1995	January - March 1995	Year to Date		
				1996	1995	Percent Change
<b>Coke Total</b> .....	5,746	5,966	5,848	5,746	5,848	-1.8
<b>By State</b>						
Alabama .....	607	611	611	607	611	-7
Illinois .....	w	w	w	w	w	w
Indiana .....	1,146	1,117	1,100	1,146	1,100	4.1
Kentucky .....	w	w	w	w	w	w
Michigan .....	w	w	w	w	w	w
New York .....	w	w	w	w	w	w
Ohio .....	342	450	528	342	528	-35.3
Pennsylvania .....	1,890	1,940	1,916	1,890	1,916	-1.4
Utah .....	w	w	w	w	w	w
Virginia .....	w	w	w	w	w	w
West Virginia .....	w	w	w	w	w	w
<b>By Plant Type</b>						
Merchant Coke						
Plants .....	777	815	799	777	799	-2.8
Furnace Coke Plants	4,969	5,152	5,049	4,969	5,049	-1.6
<b>Breeze Total</b> .....	366	367	359	366	359	1.9

<sup>w</sup> Withheld to avoid disclosure of individual company data.

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

Source: Energy Information Administration, Form EIA-5, "Coke Plant Report - Quarterly."

# Exports and Imports

**Table 6. U.S. Coal Exports and Imports, 1988-1996**  
(Thousand Short Tons)

Year	January - March		April - June		July - September		October - December		Year to Date	
	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports
1988.....	16,061	542	24,900	587	27,691	437	26,371	567	95,023	2,134
1989.....	21,429	531	28,445	687	23,991	925	26,949	708	100,815	2,851
1990.....	22,383	735	27,733	674	29,497	514	26,191	776	105,804	2,699
1991.....	22,318	938	26,214	730	31,197	984	29,239	738	108,969	3,390
1992.....	24,731	679	27,010	1,043	26,481	882	24,294	1,199	102,516	3,803
1993.....	18,870	1,213	19,946	1,093	18,522	2,142	17,181	2,861	74,519	7,309
1994.....	14,877	1,850	17,940	1,577	19,704	2,304	18,838	1,853	71,359	7,584
1995.....	18,988	1,795	23,184	1,609	22,175	1,725	24,201	2,071	88,547	7,201
1996.....	20,516	1,713	NA	NA	NA	NA	NA	NA	20,516	1,713

NA Not available.

Notes: Total may not equal sum of components because of independent rounding. More detailed data included in Table A3.

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

**Table 7. Average Price of U.S. Coal Exports and Imports, 1988-1996**  
(Dollars per Short Ton)

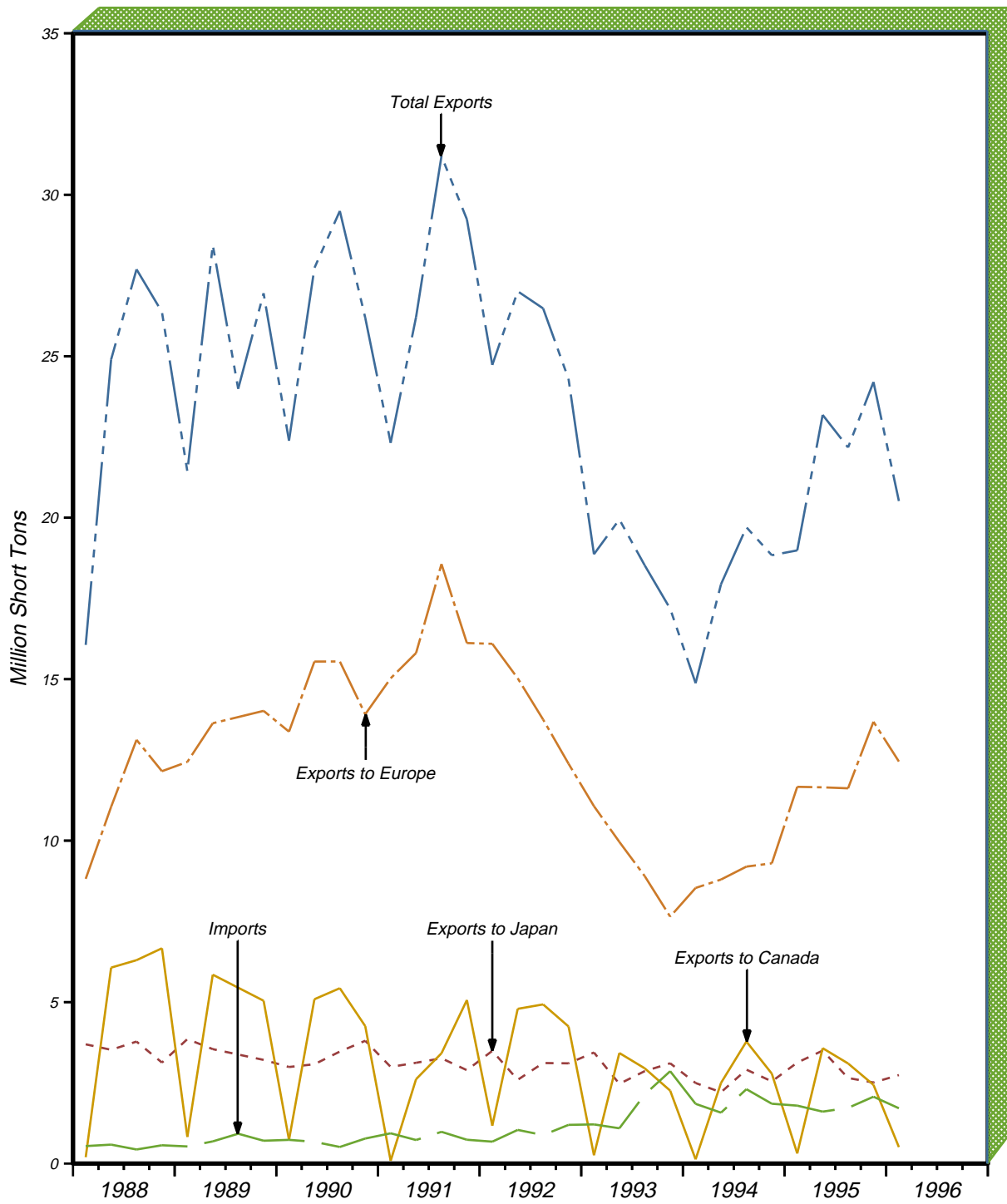
Year	January - March		April - June		July - September		October - December		Total	
	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports
1988.....	\$42.05	\$28.94	\$42.62	\$33.74	\$41.84	\$26.77	\$42.38	\$29.47	\$42.23	\$29.96
1989.....	42.27	33.65	42.47	34.19	42.61	34.92	42.69	33.44	42.52	34.14
1990.....	43.23	35.07	42.51	33.67	42.22	32.05	42.68	36.14	42.63	34.45
1991.....	44.58	33.71	42.97	34.60	41.51	31.45	41.15	33.16	42.39	33.12
1992.....	42.28	33.63	41.34	32.96	40.70	34.43	41.07	33.08	41.34	33.46
1993.....	42.46	30.70	41.42	32.26	40.72	29.52	41.00	28.91	41.41	29.89
1994.....	41.89	28.86	40.01	28.73	38.86	30.92	39.43	31.93	39.93	30.21
1995.....	39.90	32.33	39.59	36.16	40.99	33.61	40.55	34.54	40.27	34.13
1996.....	41.77	33.52	NA	NA	NA	NA	NA	NA	NA	NA

NA Not available.

Notes: Exports: Average price is based on the free alongside ship (f.a.s.) value. Imports: Average price is based on the customs import value. More detailed data included in Table A4. Total may not equal sum of components because of independent rounding.

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

**Figure 4. Quarterly U.S. Coal Exports and Imports, 1988-1996**



Note: Each increment represents end-of-quarter data.  
 Sources, Exports: U.S. Department of Commerce, Bureau of the Census, "Monthly Report EM 545;"  
 Imports: U.S. Department of Commerce, Bureau of the Census, "Monthly Report IM 145."



**Table 8. U.S. Coal Exports**  
(Short Tons)

Continent and Country of Destination	January - March 1996	October - December 1995	January - March 1995	Year to date		
				1996	1995	Percent Change
<b>North America Total</b> .....	<b>736,459</b>	<b>2,975,641</b>	<b>405,041</b>	<b>736,459</b>	<b>405,041</b>	<b>81.8</b>
Canada <sup>1</sup> .....	510,166	2,437,786	314,297	510,166	314,297	62.3
Jamaica.....	9,718	36	11,521	9,718	11,521	-15.6
Mexico.....	216,326	534,795	76,856	216,326	76,856	181.5
Other <sup>2</sup> .....	249	3,024	2,367	249	2,367	-89.5
<b>South America Total</b> .....	<b>1,572,163</b>	<b>1,952,834</b>	<b>1,339,120</b>	<b>1,572,163</b>	<b>1,339,120</b>	<b>17.4</b>
Argentina.....	40,473	138,178	70,180	40,473	70,180	-42.3
Brazil.....	1,371,314	1,652,938	1,259,849	1,371,314	1,259,849	8.8
Chile.....	150,603	151,067	-	150,603	-	-
Other <sup>2</sup> .....	9,773	10,651	9,091	9,773	9,091	7.5
<b>Europe Total</b> .....	<b>12,450,333</b>	<b>13,680,815</b>	<b>11,667,295</b>	<b>12,450,333</b>	<b>11,667,295</b>	<b>6.7</b>
Belgium & Luxembourg.....	1,431,918	1,417,595	1,348,205	1,431,918	1,348,205	6.2
Bulgaria.....	367,941	439,025	336,302	367,941	336,302	9.4
Denmark.....	431,168	220,127	441,572	431,168	441,572	-2.4
Finland.....	51,315	692,259	65,947	51,315	65,947	-22.2
France.....	1,038,012	1,261,658	827,188	1,038,012	827,188	25.5
Germany, FR.....	358,994	836,747	347,556	358,994	347,556	3.3
Ireland.....	246,656	374,717	250,312	246,656	250,312	-1.5
Italy.....	2,802,191	2,108,945	2,165,455	2,802,191	2,165,455	29.4
Netherlands.....	2,062,313	1,961,047	2,239,121	2,062,313	2,239,121	-7.9
Norway.....	14,628	40,745	29,398	14,628	29,398	-50.2
Portugal.....	254,535	512,126	372,222	254,535	372,222	-31.6
Romania.....	295,697	366,535	646,844	295,697	646,844	-54.3
Spain.....	910,245	855,755	1,123,699	910,245	1,123,699	-19.0
Sweden.....	157,490	379,379	210,424	157,490	210,424	-25.2
Turkey.....	493,583	656,121	465,028	493,583	465,028	6.1
United Kingdom.....	1,511,184	1,471,021	789,852	1,511,184	789,852	91.3
Yugoslavia, FR.....	-	65,384	-	-	-	-
Other <sup>2</sup> .....	22,463	21,629	8,170	22,463	8,170	174.9
<b>Asia Total</b> .....	<b>4,580,924</b>	<b>4,396,256</b>	<b>5,073,865</b>	<b>4,580,924</b>	<b>5,073,865</b>	<b>-9.7</b>
China (Taiwan).....	590,228	526,122	882,745	590,228	882,745	-33.1
Israel.....	247,167	248,086	246,928	247,167	246,928	.1
Japan.....	2,741,494	2,510,699	3,127,693	2,741,494	3,127,693	-12.3
Korea, Republic of.....	984,898	1,110,997	816,445	984,898	816,445	20.6
Other <sup>2</sup> .....	17,137	352	54	17,137	54	(3)
<b>Oceania &amp; Australia Total</b> .....	<b>-</b>	<b>19</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Africa Total</b> .....	<b>1,175,747</b>	<b>1,195,627</b>	<b>502,588</b>	<b>1,175,747</b>	<b>502,588</b>	<b>133.9</b>
Algeria.....	59,912	54,968	55,073	59,912	55,073	8.8
Egypt.....	289,750	425,124	245,702	289,750	245,702	17.9
Morocco.....	525,205	457,607	-	525,205	-	-
South Africa, Rep of.....	300,880	257,928	201,813	300,880	201,813	49.1
<b>Total</b> .....	<b>20,515,626</b>	<b>24,201,192</b>	<b>18,987,909</b>	<b>20,515,626</b>	<b>18,987,909</b>	<b>8.0</b>

<sup>1</sup> 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.

<sup>2</sup> Includes countries with exports less than or equal to 50,000 short tons in 1995.

<sup>3</sup> Changes of 500 percent or more are not shown.

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

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

**Table 9. Average Price of U.S. Coal Exports**  
(Dollars per Short Ton)

Continent and Country of Destination	January - March 1996	October - December 1995	January - March 1995	Year to date		
				1996	1995	Percent Change
<b>North America Total</b> .....	<b>\$37.87</b>	<b>\$34.07</b>	<b>\$37.91</b>	<b>\$37.87</b>	<b>\$37.91</b>	<b>-0.1</b>
Canada <sup>1</sup> .....	35.49	33.12	36.32	35.49	36.32	-2.3
Jamaica.....	35.37	-	33.80	35.37	33.80	4.6
Mexico.....	43.51	38.11	45.06	43.51	45.06	-3.4
Other <sup>2</sup> .....	-	46.29	34.86	-	34.86	-
<b>South America Total</b> .....	<b>43.46</b>	<b>43.64</b>	<b>42.43</b>	<b>43.46</b>	<b>42.43</b>	<b>2.4</b>
Argentina.....	43.06	42.31	40.68	43.06	40.68	5.8
Brazil.....	44.62	44.95	42.54	44.62	42.54	4.9
Chile.....	31.08	31.07	-	31.08	-	-
Other <sup>2</sup> .....	32.29	35.79	38.58	32.29	38.58	-16.3
<b>Europe Total</b> .....	<b>41.79</b>	<b>40.80</b>	<b>40.23</b>	<b>41.79</b>	<b>40.23</b>	<b>3.9</b>
Belgium & Luxembourg.....	46.57	42.95	42.75	46.57	42.75	8.9
Bulgaria.....	41.92	44.59	42.51	41.92	42.51	-1.4
Denmark.....	30.25	29.13	29.46	30.25	29.46	2.7
Finland.....	45.22	38.16	44.59	45.22	44.59	1.4
France.....	42.43	41.92	44.95	42.43	44.95	-5.6
Germany, FR.....	36.64	34.32	34.36	36.64	34.36	6.6
Ireland.....	37.11	36.25	35.00	37.11	35.00	6.0
Italy.....	44.37	45.30	42.11	44.37	42.11	5.4
Netherlands.....	41.36	41.38	40.18	41.36	40.18	2.9
Norway.....	57.89	56.90	56.28	-	-	2.9
Portugal.....	36.06	35.11	36.14	36.06	36.14	-2
Romania.....	45.63	40.81	42.02	45.63	42.02	8.6
Spain.....	38.69	37.06	32.66	38.69	32.66	18.5
Sweden.....	48.16	50.22	43.93	48.16	43.93	9.6
Turkey.....	44.56	41.96	40.92	44.56	40.92	8.9
United Kingdom.....	37.98	38.57	44.39	37.98	44.39	-14.4
Yugoslavia, FR.....	-	38.06	-	-	-	-
Other <sup>2</sup> .....	56.90	55.49	56.11	-	-	1.4
<b>Asia Total</b> .....	<b>40.64</b>	<b>39.91</b>	<b>37.53</b>	<b>40.64</b>	<b>37.53</b>	<b>8.3</b>
China (Taiwan).....	37.76	38.16	37.71	37.76	37.71	.1
Israel.....	34.88	35.47	33.36	34.88	33.36	4.6
Japan.....	40.52	39.98	36.88	40.52	36.88	9.9
Korea, Republic of.....	44.16	41.57	41.10	44.16	41.10	7.5
Other <sup>2</sup> .....	34.99	34.42	-	34.99	-	-
<b>Africa Total</b> .....	<b>43.88</b>	<b>42.73</b>	<b>45.89</b>	<b>43.88</b>	<b>45.89</b>	<b>-4.4</b>
Algeria.....	50.74	49.70	45.42	-	45.42	11.7
Egypt.....	53.89	48.87	46.20	-	46.20	16.6
Morocco.....	34.36	32.58	-	34.36	-	-
South Africa, Rep of.....	49.48	49.15	45.65	49.48	45.65	8.4
<b>Total</b> <sup>3</sup> .....	<b>41.66</b>	<b>40.17</b>	<b>39.76</b>	<b>41.66</b>	<b>39.76</b>	<b>4.8</b>
<b>U.S. Total</b> <sup>4</sup> .....	<b>41.77</b>	<b>40.55</b>	<b>39.90</b>	<b>41.77</b>	<b>39.90</b>	<b>4.7</b>

<sup>1</sup> 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.

<sup>2</sup> Includes countries with exports less than or equal to 50,000 short tons in 1995.

<sup>3</sup> The average prices presented in this table, with the exception of U.S. Total, are considered to be representative prices for coal exports and fall within the range of \$20 to \$60 per short ton, inclusively.

<sup>4</sup> U.S. Total is the average price of all coal exports.

Notes: Total may not equal sum of components because of independent rounding. Average price is based on the free alongside ship (f.a.s.) value.

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

**Table 10. U.S. Steam Coal Exports**  
(Short Tons)

Continent and Country of Destination	January - March 1996	October - December 1995	January - March 1995	Year to date		
				1996	1995	Percent Change
<b>North America Total</b> .....	<b>351,379</b>	<b>1,581,542</b>	<b>69,927</b>	<b>351,379</b>	<b>69,927</b>	<b>402.5</b>
Canada <sup>1</sup> .....	248,155	1,150,641	51,235	248,155	51,235	384.3
Jamaica.....	9,718	36	11,521	9,718	11,521	-15.6
Mexico.....	93,257	427,841	4,804	93,257	4,804	( <sup>2</sup> )
Other <sup>3</sup> .....	249	3,024	2,367	249	2,367	-89.5
<b>South America Total</b> .....	<b>97,023</b>	<b>67,957</b>	<b>14,567</b>	<b>97,023</b>	<b>14,567</b>	<b>(<sup>2</sup>)</b>
Argentina.....	351	1,778	2,169	351	2,169	-83.8
Brazil.....	14,142	10,824	3,307	14,142	3,307	327.6
Chile.....	72,954	44,704	-	72,954	-	-
Other <sup>3</sup> .....	9,576	10,651	9,091	9,576	9,091	5.3
<b>Europe Total</b> .....	<b>5,170,355</b>	<b>6,751,849</b>	<b>4,961,447</b>	<b>5,170,355</b>	<b>4,961,447</b>	<b>4.2</b>
Belgium & Luxembourg.....	242,011	386,380	307,303	242,011	307,303	-21.2
Denmark.....	431,168	220,127	441,572	431,168	441,572	-2.4
Finland.....	-	452,969	-	-	-	-
France.....	336,186	411,075	65	336,186	65	( <sup>2</sup> )
Germany, FR.....	276,007	720,349	292,985	276,007	292,985	-5.8
Ireland.....	246,656	374,717	250,312	246,656	250,312	-1.5
Italy.....	1,209,039	1,110,539	1,192,215	1,209,039	1,192,215	1.4
Netherlands.....	864,364	1,038,519	1,134,316	864,364	1,134,316	-23.8
Norway.....	-	24,320	3,687	-	3,687	-
Portugal.....	254,535	481,863	372,222	254,535	372,222	-31.6
Romania.....	-	-	299,059	-	299,059	-
Spain.....	369,555	392,316	600,846	369,555	600,846	-38.5
Turkey.....	122,337	205,241	460	122,337	460	( <sup>2</sup> )
United Kingdom.....	818,497	867,841	66,405	818,497	66,405	( <sup>2</sup> )
Yugoslavia, FR.....	-	65,384	-	-	-	-
Other <sup>3</sup> .....	-	209	-	-	-	-
<b>Asia Total</b> .....	<b>2,021,617</b>	<b>2,038,760</b>	<b>2,228,378</b>	<b>2,021,617</b>	<b>2,228,378</b>	<b>-9.3</b>
China (Taiwan).....	454,096	394,264	754,154	454,096	754,154	-39.8
Israel.....	247,167	248,086	246,928	247,167	246,928	.1
Japan.....	1,081,976	903,516	1,056,365	1,081,976	1,056,365	2.4
Korea, Republic of.....	233,214	492,542	170,877	233,214	170,877	36.5
Other <sup>3</sup> .....	5,164	352	54	5,164	54	( <sup>2</sup> )
<b>Oceania &amp; Australia Total</b> .....	<b>-</b>	<b>19</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Africa Total</b> .....	<b>526,115</b>	<b>457,909</b>	<b>-</b>	<b>526,115</b>	<b>-</b>	<b>-</b>
Egypt.....	910	302	-	910	-	-
Morocco.....	525,205	457,607	-	525,205	-	-
<b>Total</b> .....	<b>8,166,489</b>	<b>10,898,036</b>	<b>7,274,319</b>	<b>8,166,489</b>	<b>7,274,319</b>	<b>12.3</b>

<sup>1</sup> 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.

<sup>2</sup> Changes of 500 percent or more are not shown.

<sup>3</sup> Includes countries with exports less than or equal to 50,000 short tons in 1995.

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

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

**Table 11. Average Price of U.S. Steam Coal Exports**  
(Dollars per Short Ton)

Continent and Country of Destination	January - March 1996	October - December 1995	January - March 1995	Year to date		
				1996	1995	Percent Change
<b>North America Total</b> .....	<b>\$35.76</b>	<b>\$31.59</b>	<b>\$40.80</b>	<b>\$35.76</b>	<b>\$40.80</b>	<b>-12.4</b>
Canada <sup>1</sup> .....	34.17	29.97	42.22	34.17	42.22	-19.1
Jamaica.....	35.37	-	33.80	35.37	33.80	4.6
Mexico.....	39.98	35.37	48.02	39.98	48.02	-16.7
Other <sup>2</sup> .....	-	46.29	34.86	-	34.86	-
<b>South America Total</b> .....	<b>34.43</b>	<b>33.81</b>	<b>36.76</b>	<b>34.43</b>	<b>36.76</b>	<b>-6.3</b>
Argentina.....	-	40.23	34.45	-	34.45	-
Brazil.....	41.13	34.47	-	41.13	-	-
Chile.....	32.66	32.98	-	32.66	-	-
Other <sup>2</sup> .....	31.91	35.79	38.58	31.91	38.58	-17.3
<b>Europe Total</b> .....	<b>34.19</b>	<b>34.47</b>	<b>34.27</b>	<b>34.19</b>	<b>34.27</b>	<b>-2</b>
Belgium & Luxembourg.....	37.17	33.67	36.00	37.17	36.00	3.3
Denmark.....	30.25	29.13	29.46	30.25	29.46	2.7
Finland.....	-	35.55	-	-	-	-
France.....	35.30	35.04	-	35.30	-	-
Germany, FR.....	33.21	31.99	32.43	33.21	32.43	2.4
Ireland.....	37.11	36.25	35.00	37.11	35.00	6.0
Italy.....	41.16	42.84	39.49	41.16	39.49	4.2
Netherlands.....	33.11	35.61	35.46	33.11	35.46	-6.6
Portugal.....	36.06	34.40	36.14	36.06	36.14	-2
Romania.....	-	-	39.08	-	39.08	-
Spain.....	21.48	20.84	20.68	21.48	20.68	3.9
Turkey.....	42.05	30.93	39.84	42.05	39.84	5.5
United Kingdom.....	29.22	30.88	40.09	29.22	40.09	-27.1
Yugoslavia, FR.....	-	38.06	-	-	-	-
Other <sup>2</sup> .....	-	40.69	-	-	-	-
<b>Asia Total</b> .....	<b>35.60</b>	<b>35.42</b>	<b>34.33</b>	<b>35.60</b>	<b>34.33</b>	<b>3.7</b>
China (Taiwan).....	35.31	35.43	36.90	35.31	36.90	-4.3
Israel.....	34.88	35.47	33.36	34.88	33.36	4.6
Japan.....	35.99	35.86	33.61	35.99	33.61	7.1
Korea, Republic of.....	35.14	34.59	28.85	35.14	28.85	21.8
Other <sup>2</sup> .....	34.99	34.42	-	34.99	-	-
<b>Africa Total</b> .....	<b>34.37</b>	<b>32.59</b>	<b>-</b>	<b>34.37</b>	<b>-</b>	<b>-</b>
Egypt.....	40.78	40.88	-	40.78	-	-
Morocco.....	34.36	32.58	-	34.36	-	-
<b>Total<sup>3</sup></b> .....	<b>34.61</b>	<b>34.17</b>	<b>34.34</b>	<b>34.61</b>	<b>34.34</b>	<b>.8</b>
<b>U.S. Total<sup>4</sup></b> .....	<b>34.94</b>	<b>35.07</b>	<b>34.65</b>	<b>34.94</b>	<b>34.65</b>	<b>.8</b>

<sup>1</sup> 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.

<sup>2</sup> Includes countries with exports less than or equal to 50,000 short tons in 1995.

<sup>3</sup> The average prices presented in this table, with the exception of U.S. Total, are considered to be representative prices for coal exports and fall within the range of \$20 to \$60 per short ton, inclusively.

<sup>4</sup> U.S. Total is the average price of all coal exports.

Notes: Total may not equal sum of components because of independent rounding. Average price is based on the free alongside ship (f.a.s.) value. Steam coal includes bituminous, subbituminous, lignite, and anthracite.

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

**Table 12. U.S. Metallurgical Coal Exports**  
(Short Tons)

Continent and Country of Destination	January - March 1996	October - December 1995	January - March 1995	Year to date		
				1996	1995	Percent Change
<b>North America Total</b> .....	<b>385,080</b>	<b>1,394,099</b>	<b>335,114</b>	<b>385,080</b>	<b>335,114</b>	<b>14.9</b>
Canada <sup>1</sup> .....	262,011	1,287,145	263,062	262,011	263,062	-4
Mexico.....	123,069	106,954	72,052	123,069	72,052	70.8
<b>South America Total</b> .....	<b>1,475,140</b>	<b>1,884,877</b>	<b>1,324,553</b>	<b>1,475,140</b>	<b>1,324,553</b>	<b>11.4</b>
Argentina.....	40,122	136,400	68,011	40,122	68,011	-41.0
Brazil.....	1,357,172	1,642,114	1,256,542	1,357,172	1,256,542	8.0
Chile.....	77,649	106,363	-	77,649	-	-
Other <sup>2</sup> .....	197	-	-	197	-	-
<b>Europe Total</b> .....	<b>7,279,978</b>	<b>6,928,966</b>	<b>6,705,848</b>	<b>7,279,978</b>	<b>6,705,848</b>	<b>8.6</b>
Belgium & Luxembourg.....	1,189,907	1,031,215	1,040,902	1,189,907	1,040,902	14.3
Bulgaria.....	367,941	439,025	336,302	367,941	336,302	9.4
Finland.....	51,315	239,290	65,947	51,315	65,947	-22.2
France.....	701,826	850,583	827,123	701,826	827,123	-15.1
Germany, FR.....	82,987	116,398	54,571	82,987	54,571	52.1
Italy.....	1,593,152	998,406	973,240	1,593,152	973,240	63.7
Netherlands.....	1,197,949	922,528	1,104,805	1,197,949	1,104,805	8.4
Norway.....	14,628	16,425	25,711	14,628	25,711	-43.1
Portugal.....	-	30,263	-	-	-	-
Romania.....	295,697	366,535	347,785	295,697	347,785	-15.0
Spain.....	540,690	463,439	522,853	540,690	522,853	3.4
Sweden.....	157,490	379,379	210,424	157,490	210,424	-25.2
Turkey.....	371,246	450,880	464,568	371,246	464,568	-20.1
United Kingdom.....	692,687	603,180	723,447	692,687	723,447	-4.3
Other <sup>2</sup> .....	22,463	21,420	8,170	22,463	8,170	174.9
<b>Asia Total</b> .....	<b>2,559,307</b>	<b>2,357,496</b>	<b>2,845,487</b>	<b>2,559,307</b>	<b>2,845,487</b>	<b>-10.1</b>
China (Taiwan).....	136,132	131,858	128,591	136,132	128,591	5.9
Japan.....	1,659,518	1,607,183	2,071,328	1,659,518	2,071,328	-19.9
Korea, Republic of.....	751,684	618,455	645,568	751,684	645,568	16.4
Other <sup>2</sup> .....	11,973	-	-	11,973	-	-
<b>Africa Total</b> .....	<b>649,632</b>	<b>737,718</b>	<b>502,588</b>	<b>649,632</b>	<b>502,588</b>	<b>29.3</b>
Algeria.....	59,912	54,968	55,073	59,912	55,073	8.8
Egypt.....	288,840	424,822	245,702	288,840	245,702	17.6
South Africa, Rep of.....	300,880	257,928	201,813	300,880	201,813	49.1
<b>Total</b> .....	<b>12,349,137</b>	<b>13,303,156</b>	<b>11,713,590</b>	<b>12,349,137</b>	<b>11,713,590</b>	<b>5.4</b>

<sup>1</sup> 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.

<sup>2</sup> Includes countries with exports less than or equal to 50,000 short tons in 1995.

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

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

**Table 13. Average Price of U.S. Metallurgical Coal Exports**  
(Dollars per Short Ton)

Continent and Country of Destination	January - March 1996	October - December 1995	January - March 1995	Year to date		
				1996	1995	Percent Change
<b>North America Total</b> .....	<b>\$39.36</b>	<b>\$36.65</b>	<b>\$37.39</b>	<b>\$39.36</b>	<b>\$37.39</b>	<b>5.3</b>
Canada <sup>1</sup> .....	36.44	35.62	35.34	36.44	35.34	3.1
Mexico.....	45.58	49.07	44.91	45.58	44.91	1.5
<b>South America Total</b> .....	<b>43.85</b>	<b>43.98</b>	<b>42.45</b>	<b>43.85</b>	<b>42.45</b>	<b>3.3</b>
Argentina.....	43.06	42.34	40.88	43.06	40.88	5.3
Brazil.....	44.65	45.00	42.54	44.65	42.54	5.0
Chile.....	30.26	30.26	-	30.26	-	-
Other <sup>2</sup> .....	50.76	-	-	-	-	-
<b>Europe Total</b> .....	<b>47.20</b>	<b>46.88</b>	<b>44.64</b>	<b>47.20</b>	<b>44.64</b>	<b>5.7</b>
Belgium & Luxembourg.....	48.48	46.43	44.74	48.48	44.74	8.3
Bulgaria.....	41.92	44.59	42.51	41.92	42.51	-1.4
Finland.....	45.22	43.11	44.59	45.22	44.59	1.4
France.....	45.85	45.24	44.95	45.85	44.95	2.0
Germany, FR.....	48.03	48.74	44.68	48.03	44.68	7.5
Italy.....	46.81	48.03	45.32	46.81	45.32	3.3
Netherlands.....	47.32	47.86	44.98	47.32	44.98	5.2
Norway.....	57.89	56.90	56.28	-	-	2.9
Portugal.....	-	46.45	-	-	-	-
Romania.....	45.63	40.81	44.55	45.63	44.55	2.4
Spain.....	50.44	50.79	46.41	-	46.41	8.7
Sweden.....	48.16	50.22	43.93	48.16	43.93	9.6
Turkey.....	45.38	44.48	40.92	45.38	40.92	10.9
United Kingdom.....	48.34	49.63	44.79	48.34	44.79	7.9
Other <sup>2</sup> .....	56.90	55.84	56.11	-	-	1.4
<b>Asia Total</b> .....	<b>44.63</b>	<b>43.79</b>	<b>40.04</b>	<b>44.63</b>	<b>40.04</b>	<b>11.5</b>
China (Taiwan).....	45.94	46.34	42.47	45.94	42.47	8.2
Japan.....	43.47	42.30	38.54	43.47	38.54	12.8
Korea, Republic of.....	46.96	47.13	44.34	46.96	44.34	5.9
<b>Africa Total</b> .....	<b>51.57</b>	<b>49.03</b>	<b>45.89</b>	-	<b>45.89</b>	<b>12.4</b>
Algeria.....	50.74	49.70	45.42	-	45.42	11.7
Egypt.....	53.93	48.87	46.20	-	46.20	16.7
South Africa, Rep of.....	49.48	49.15	45.65	49.48	45.65	8.4
<b>Total</b> <sup>3</sup> .....	<b>46.25</b>	<b>44.97</b>	<b>43.12</b>	<b>46.25</b>	<b>43.12</b>	<b>7.3</b>
<b>U.S. Total</b> <sup>4</sup> .....	<b>46.28</b>	<b>45.04</b>	<b>43.16</b>	<b>46.28</b>	<b>43.16</b>	<b>7.2</b>

<sup>1</sup> 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.

<sup>2</sup> Includes countries with exports less than or equal to 50,000 short tons in 1995.

<sup>3</sup> The average prices presented in this table, with the exception of U.S. Total, are considered to be representative prices for coal exports and fall within the range of \$20 to \$60 per short ton, inclusively.

<sup>4</sup> U.S. Total is the average price of all coal exports.

Notes: Total may not equal sum of components because of independent rounding. Average price is based on the free alongside ship (f.a.s.) value.

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

**Table 14. Coal Exports by Customs District**  
(Short Tons)

Customs District	January - March 1996	October - December 1995	January - March 1995	Year to date		
				1996	1995	Percent Change
<b>Eastern Total</b> .....	<b>14,816,993</b>	<b>15,950,072</b>	<b>13,175,954</b>	<b>14,816,993</b>	<b>13,175,954</b>	<b>12.5</b>
Boston, MA .....	-	32,752	-	-	-	-
Baltimore, MD .....	2,963,736	4,318,166	3,242,506	2,963,736	3,242,506	-8.6
Portland, ME .....	66	88	44	66	44	50.0
Buffalo, NY .....	94,342	663,618	32,728	94,342	32,728	188.3
New York City, NY .....	4,694	500	17,497	4,694	17,497	-73.2
Ogdensburg, NY .....	29,816	43,022	471	29,816	471	(1)
Philadelphia, PA .....	355	107,603	2,201	355	2,201	-83.9
Norfolk, VA .....	11,723,767	10,784,323	9,880,478	11,723,767	9,880,478	18.7
St. Albans, VT .....	217	-	29	217	29	(1)
<b>Southern Total</b> .....	<b>3,998,380</b>	<b>5,295,146</b>	<b>4,268,456</b>	<b>3,998,380</b>	<b>4,268,456</b>	<b>-6.3</b>
Mobile, AL .....	1,392,824	2,167,739	1,567,136	1,392,824	1,567,136	-11.1
Savannah, GA .....	-	-	1,627	-	1,627	-
Miami, FL .....	-	1,499	125	-	125	-
Tampa, FL .....	-	151	542	-	542	-
New Orleans, LA .....	2,400,911	2,534,979	2,532,012	2,400,911	2,532,012	-5.2
Wilmington, NC .....	8	-	-	8	-	-
San Juan, PR .....	442	-	41	442	41	(1)
Charleston, SC .....	49,289	95,507	102,372	49,289	102,372	-51.9
Houston-Galveston, TX .....	61,649	67,406	60,219	61,649	60,219	2.4
Laredo, TX .....	93,257	427,865	4,382	93,257	4,382	(1)
<b>Western Total</b> .....	<b>1,308,293</b>	<b>1,394,114</b>	<b>1,259,705</b>	<b>1,308,293</b>	<b>1,259,705</b>	<b>3.9</b>
Anchorage, AK .....	174,745	328,208	133,972	174,745	133,972	30.4
Los Angeles, CA .....	1,072,144	1,034,888	1,088,544	1,072,144	1,088,544	-1.5
San Diego, CA .....	-	-	69	-	69	-
San Francisco, CA .....	644	-	-	644	-	-
Great Falls, MT .....	122	-	-	122	-	-
Seattle, WA .....	60,638	31,018	37,120	60,638	37,120	63.4
<b>Northern Total</b> .....	<b>363,281</b>	<b>1,557,561</b>	<b>276,861</b>	<b>363,281</b>	<b>276,861</b>	<b>31.2</b>
Detroit, MI .....	99,690	419,767	64,550	99,690	64,550	54.4
Duluth, MN .....	-	-	59,373	-	59,373	-
Pembina, ND .....	-	22	5,741	-	5,741	-
Cleveland, OH .....	263,591	1,137,772	147,197	263,591	147,197	79.1
<b>Other Ports</b> .....	<b>28,679</b>	<b>4,299</b>	<b>6,933</b>	<b>28,679</b>	<b>6,933</b>	<b>313.7</b>
<b>Total</b> .....	<b>20,515,626</b>	<b>24,201,192</b>	<b>18,987,909</b>	<b>20,515,626</b>	<b>18,987,909</b>	<b>8.0</b>

<sup>1</sup> Changes of 500 percent or more are not shown.

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

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

**Table 15. U.S. Coke Exports**  
(Short Tons)

Continent and Country of Destination	January - March 1996	October - December 1995	January - March 1995	Year to date		
				1996	1995	Percent Change
<b>North America Total</b> .....	<b>44,034</b>	<b>214,480</b>	<b>92,304</b>	<b>44,034</b>	<b>92,304</b>	<b>-52.3</b>
Canada <sup>1</sup> .....	21,448	197,814	75,082	21,448	75,082	-71.4
Mexico.....	14,109	16,234	16,488	14,109	16,488	-14.4
Other <sup>2</sup> .....	8,477	432	734	8,477	734	(3)
<b>South America Total</b> .....	<b>-</b>	<b>-</b>	<b>40,971</b>	<b>-</b>	<b>40,971</b>	<b>-</b>
<b>Europe Total</b> .....	<b>84,423</b>	<b>25,540</b>	<b>2,046</b>	<b>84,423</b>	<b>2,046</b>	<b>(3)</b>
Other <sup>2</sup> .....	84,423	25,540	2,046	84,423	2,046	(3)
<b>Asia Total</b> .....	<b>-</b>	<b>46</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Oceania &amp; Australia Total</b> .....	<b>-</b>	<b>-</b>	<b>37</b>	<b>-</b>	<b>37</b>	<b>-</b>
<b>Total</b> .....	<b>128,457</b>	<b>240,066</b>	<b>135,358</b>	<b>128,457</b>	<b>135,358</b>	<b>-5.1</b>

<sup>1</sup> 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.

<sup>2</sup> Includes countries with exports less than or equal to 50,000 short tons in 1995.

<sup>3</sup> Changes of 500 percent or more are not shown.

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

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

**Table 16. U.S. Coal Imports**  
(Short Tons)

Continent and Country of Origin	January - March 1996	October - December 1995	January - March 1995	Year to date		
				1996	1995	Percent Change
<b>North America Total</b> .....	<b>364,879</b>	<b>362,630</b>	<b>222,157</b>	<b>364,879</b>	<b>222,157</b>	<b>64.2</b>
Canada.....	364,462	362,574	222,018	364,462	222,018	64.2
Mexico.....	417	56	139	417	139	200.0
<b>South America Total</b> .....	<b>1,022,966</b>	<b>1,356,827</b>	<b>1,275,416</b>	<b>1,022,966</b>	<b>1,275,416</b>	<b>-19.8</b>
Colombia.....	628,902	796,540	782,408	628,902	782,408	-19.6
Venezuela.....	394,064	560,287	493,008	394,064	493,008	-20.1
<b>Europe Total</b> .....	<b>-</b>	<b>143</b>	<b>236</b>	<b>-</b>	<b>236</b>	<b>-</b>
Denmark.....	-	-	236	-	236	-
United Kingdom.....	-	143	-	-	-	-
<b>Asia Total</b> .....	<b>247,654</b>	<b>305,494</b>	<b>253,764</b>	<b>247,654</b>	<b>253,764</b>	<b>-2.4</b>
Indonesia.....	247,654	305,494	253,738	247,654	253,738	-2.4
Japan.....	-	-	26	-	26	-
<b>Oceania &amp; Australia Total</b> .....	<b>77,842</b>	<b>45,957</b>	<b>43,684</b>	<b>77,842</b>	<b>43,684</b>	<b>78.2</b>
Australia.....	77,842	45,957	43,684	77,842	43,684	78.2
<b>Total</b> .....	<b>1,713,341</b>	<b>2,071,051</b>	<b>1,795,257</b>	<b>1,713,341</b>	<b>1,795,257</b>	<b>-4.6</b>

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

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



**Table 17. Average Price of U.S. Coal Imports**  
(Dollars per Short Ton)

Continent and Country of Origin	January - March 1996	October - December 1995	January - March 1995	Year to date		
				1996	1995	Percent Change
<b>North America Total</b> .....	<b>\$32.36</b>	<b>\$35.70</b>	<b>\$32.98</b>	<b>\$32.36</b>	<b>\$32.98</b>	<b>-1.9</b>
Canada.....	32.37	35.70	32.98	32.37	32.98	-1.8
Mexico.....	22.68	-	-	22.68	-	-
<b>South America Total</b> .....	<b>32.15</b>	<b>33.63</b>	<b>31.58</b>	<b>32.15</b>	<b>31.58</b>	<b>1.8</b>
Colombia.....	31.15	32.38	30.67	31.15	30.67	1.6
Venezuela.....	33.74	35.40	33.01	33.74	33.01	2.2
<b>Europe Total</b> .....	<b>-</b>	<b>25.70</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
United Kingdom.....	-	25.70	-	-	-	-
<b>Asia Total</b> .....	<b>39.04</b>	<b>33.30</b>	<b>32.27</b>	<b>39.04</b>	<b>32.27</b>	<b>21.0</b>
Indonesia.....	39.04	33.30	32.27	39.04	32.27	21.0
<b>Oceania &amp; Australia Total</b> .....	<b>33.84</b>	<b>32.18</b>	<b>31.49</b>	<b>33.84</b>	<b>31.49</b>	<b>7.4</b>
Australia.....	33.84	32.18	31.49	33.84	31.49	7.4
<b>Total</b> <sup>1</sup> .....	<b>33.27</b>	<b>33.87</b>	<b>31.83</b>	<b>33.27</b>	<b>31.83</b>	<b>4.5</b>
<b>U.S. Total</b> <sup>2</sup> .....	<b>33.52</b>	<b>34.54</b>	<b>32.33</b>	<b>33.52</b>	<b>32.33</b>	<b>3.7</b>

<sup>1</sup> The average prices presented in this table, with the exception of U.S. Total, are considered to be representative prices for coal imports and fall within the range of \$20 to \$55 per short ton, inclusively.

<sup>2</sup> U.S. Total is the average price of all coal imports.

Notes: Total may not equal sum of components because of independent rounding. Average price is based on the customs import value. Coal imports include coal to Puerto Rico and the Virgin Islands.

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

**Table 18. Coal Imports by Customs District**  
(Short Tons)

Customs District	January - March 1996	October - December 1995	January - March 1995	Year to date		
				1996	1995	Percent Change
<b>Eastern Total</b> .....	<b>495,965</b>	<b>577,480</b>	<b>531,225</b>	<b>495,965</b>	<b>531,225</b>	<b>-6.6</b>
Boston, MA.....	423,896	518,242	389,279	423,896	389,279	8.9
Baltimore, MD.....	-	-	28,328	-	28,328	-
Portland, ME.....	44,624	57,061	86,054	44,624	86,054	-48.1
Buffalo, NY.....	31	2,034	-	31	-	-
New York City, NY.....	-	143	236	-	236	-
Ogdensburg, NY.....	50	-	-	50	-	-
Philadelphia, PA.....	27,364	-	27,328	27,364	27,328	.1
<b>Southern Total</b> .....	<b>604,628</b>	<b>914,185</b>	<b>885,485</b>	<b>604,628</b>	<b>885,485</b>	<b>-31.7</b>
Mobile, AL.....	189,611	363,231	227,634	189,611	227,634	-16.7
Tampa, FL.....	304,095	326,779	464,200	304,095	464,200	-34.5
New Orleans, LA.....	77,160	134,639	140,968	77,160	140,968	-45.3
San Juan, PR.....	33,345	89,480	30,547	33,345	30,547	9.2
Laredo, TX.....	417	56	90	417	90	363.3
Virgin Islands.....	-	-	22,046	-	22,046	-
<b>Western Total</b> .....	<b>248,336</b>	<b>216,812</b>	<b>163,019</b>	<b>248,336</b>	<b>163,019</b>	<b>52.3</b>
San Diego, CA.....	-	-	49	-	49	-
Honolulu, HI.....	248,336	216,812	156,454	248,336	156,454	58.7
Great Falls, MT.....	-	-	414	-	414	-
Seattle, WA.....	-	-	6,102	-	6,102	-
<b>Northern Total</b> .....	<b>364,412</b>	<b>362,574</b>	<b>215,528</b>	<b>364,412</b>	<b>215,528</b>	<b>69.1</b>
Chicago, IL.....	88,146	29,411	6,665	88,146	6,665	( <sup>1</sup> )
Detroit, MI.....	28,063	119,946	-	28,063	-	-
Duluth, MN.....	87,518	62,453	48,955	87,518	48,955	78.8
Pembina, ND.....	160,685	150,764	159,908	160,685	159,908	.5
<b>Total</b> .....	<b>1,713,341</b>	<b>2,071,051</b>	<b>1,795,257</b>	<b>1,713,341</b>	<b>1,795,257</b>	<b>-4.6</b>

<sup>1</sup> Changes of 500 percent or more are not shown.

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

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

**Table 19. U.S. Coke Imports**  
(Short Tons)

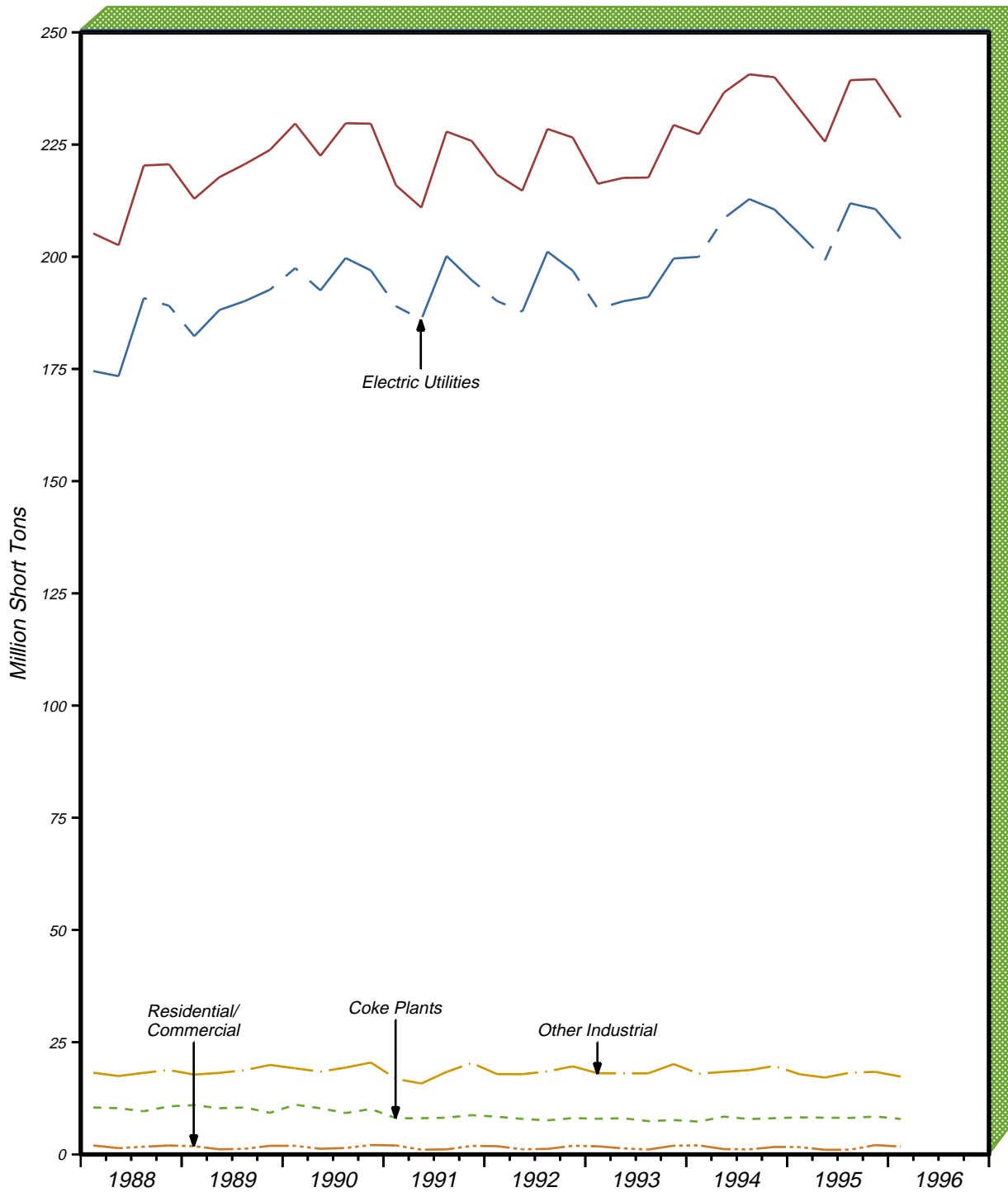
Continent and Country of Origin	January - March 1996	October - December 1995	January - March 1995	Year to date		
				1996	1995	Percent Change
<b>North America Total</b> .....	<b>17,658</b>	<b>12,175</b>	<b>21,429</b>	<b>17,658</b>	<b>21,429</b>	<b>-17.6</b>
Canada.....	17,658	12,175	21,429	17,658	21,429	-17.6
<b>Europe Total</b> .....	<b>-</b>	<b>-</b>	<b>42,166</b>	<b>-</b>	<b>42,166</b>	<b>-</b>
Poland.....	-	-	42,166	-	42,166	-
<b>Asia Total</b> .....	<b>400,249</b>	<b>467,803</b>	<b>381,856</b>	<b>400,249</b>	<b>381,856</b>	<b>4.8</b>
China (Mainland).....	133,739	249,420	129,250	133,739	129,250	3.5
Japan.....	266,510	218,383	252,606	266,510	252,606	5.5
<b>Africa Total</b> .....	<b>-</b>	<b>22,955</b>	<b>38,952</b>	<b>-</b>	<b>38,952</b>	<b>-</b>
Mozambique.....	-	22,955	-	-	-	-
Zimbabwe.....	-	-	38,952	-	38,952	-
<b>Total</b> .....	<b>417,907</b>	<b>502,933</b>	<b>484,403</b>	<b>417,907</b>	<b>484,403</b>	<b>-13.7</b>

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

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

# Receipts

**Figure 5. Quarterly U.S. Coal Receipts, 1988-1996**



Note: Each increment represents end-of-quarter data.  
 Sources: Energy Information Administration (EIA), Electric Utilities: Federal Energy Regulatory Commission (FERC), FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants;" Coke Plants: Form EIA-5, "Coke Plant Report - Quarterly;" Other Industrial: Form EIA-3, "Quarterly Coal Consumption Report - Manufacturing Plants;" Form EIA-867, "Annual Nonutility Power Producer Report;" and, Form EIA-7A, "Coal Production Report;" Residential and Commercial: Form EIA-6, "Coal Distribution Report."

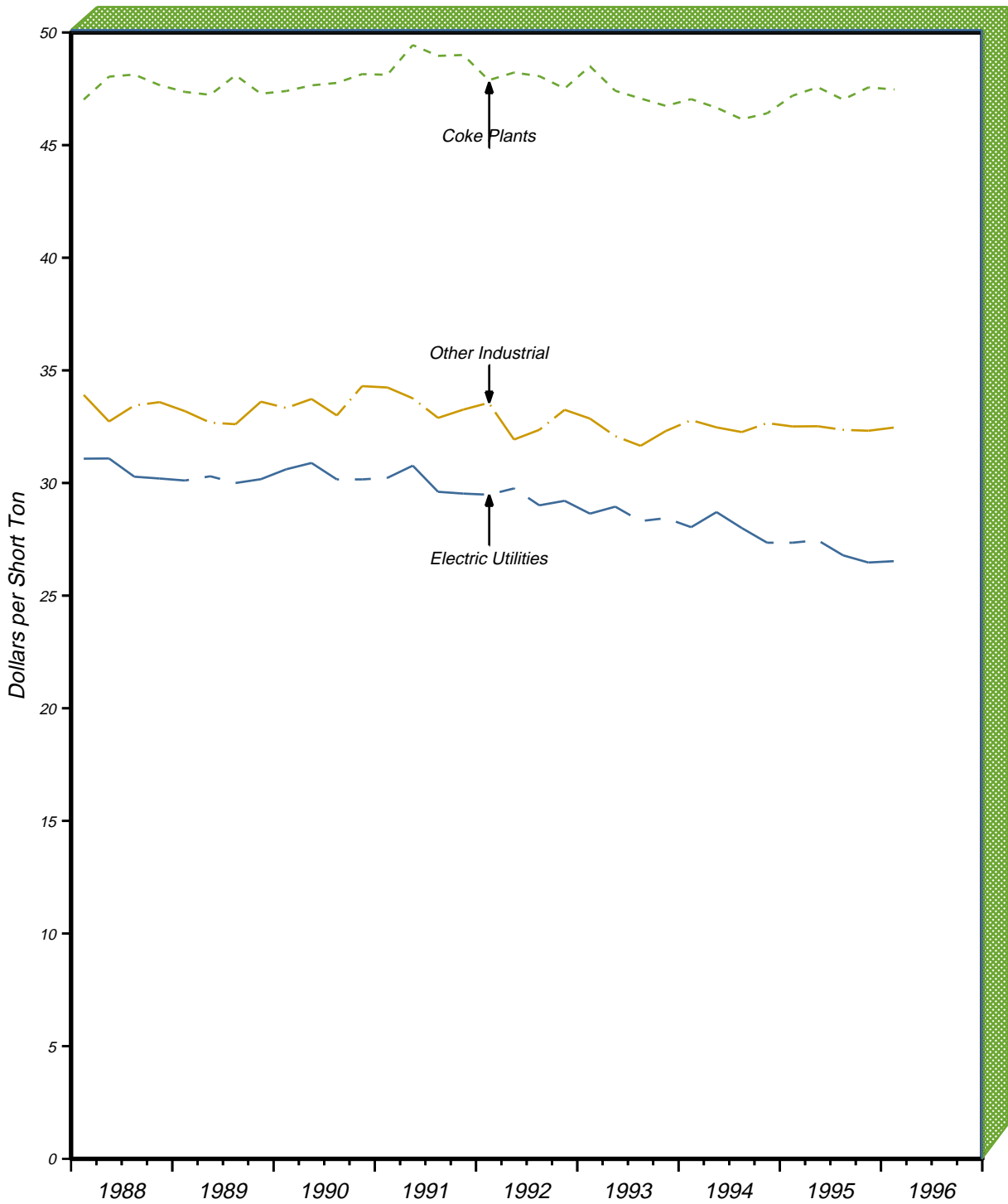
**Table 20. U.S. Coal Receipts by End-Use Sector, 1988-1996**  
(Thousand Short Tons)

Year and Quarter	Electric Utilities	Coke Plants	Other Industrial	Residential and Commercial	Total
<b>1988 January - March</b> .....	174,518	10,462	18,203	2,004	205,187
April - June .....	173,393	10,299	17,468	1,406	202,565
July - September .....	190,788	9,627	18,186	1,725	220,327
October - December .....	189,077	10,727	18,799	1,994	220,598
<b>Total</b> .....	<b>727,775</b>	<b>41,115</b>	<b>72,656</b>	<b>7,130</b>	<b>848,676</b>
<b>1989 January - March</b> .....	182,295	10,984	17,794	1,837	212,910
April - June .....	188,144	10,293	18,169	1,143	217,748
July - September .....	190,115	10,469	18,761	1,264	220,609
October - December .....	192,663	9,274	19,939	1,924	223,800
<b>Total</b> .....	<b>753,217</b>	<b>41,019</b>	<b>74,663</b>	<b>6,167</b>	<b>875,067</b>
<b>1990 January - March</b> .....	197,469	11,091	19,194	1,920	229,674
April - June .....	192,496	10,286	18,435	1,265	222,482
July - September .....	199,714	9,234	19,355	1,443	229,745
October - December .....	196,949	10,125	20,472	2,096	229,642
<b>Total</b> .....	<b>786,627</b>	<b>40,736</b>	<b>77,455</b>	<b>6,724</b>	<b>911,543</b>
<b>1991 January - March</b> .....	188,963	8,066	16,847	2,008	215,885
April - June .....	186,026	8,073	15,800	1,055	210,953
July - September .....	200,172	8,195	18,385	1,132	227,884
October - December .....	194,762	8,757	20,377	1,899	225,795
<b>Total</b> .....	<b>769,923</b>	<b>33,090</b>	<b>71,410</b>	<b>6,094</b>	<b>880,517</b>
<b>1992 January - March</b> .....	190,139	8,410	17,902	1,843	218,294
April - June .....	187,772	7,915	17,873	1,149	214,708
July - September .....	201,143	7,592	18,503	1,236	228,473
October - December .....	196,909	8,110	19,625	1,925	226,569
<b>Total</b> .....	<b>775,963</b>	<b>32,027</b>	<b>73,903</b>	<b>6,153</b>	<b>888,046</b>
<b>1993 January - March</b> .....	188,401	7,951	18,095	1,817	216,264
April - June .....	190,085	8,067	18,062	1,354	217,568
July - September .....	191,054	7,426	18,075	1,094	217,649
October - December .....	199,612	7,661	20,127	1,956	229,356
<b>Total</b> .....	<b>769,152</b>	<b>31,104</b>	<b>74,359</b>	<b>6,221</b>	<b>880,836</b>
<b>1994 January - March</b> .....	199,981	7,318	17,990	2,016	227,305
April - June .....	208,576	8,438	18,408	1,187	236,610
July - September .....	212,849	7,881	18,777	1,135	240,642
October - December .....	210,523	8,081	19,717	1,674	239,996
<b>Total</b> .....	<b>831,929</b>	<b>31,719</b>	<b>74,893</b>	<b>6,013</b>	<b>944,553</b>
<b>1995 January - March</b> .....	205,054	8,261	17,859	1,638	232,812
April - June .....	199,275	8,192	17,137	1,032	225,635
July - September .....	211,914	8,135	18,225	1,063	239,337
October - December .....	210,617	8,449	18,402	2,091	239,558
<b>Total</b> .....	<b>826,860</b>	<b>33,036</b>	<b>71,622</b>	<b>5,824</b>	<b>937,342</b>
<b>1996 January - March</b> .....	204,046	7,908	17,351	1,747	231,053
<b>Total</b> .....	<b>204,046</b>	<b>7,908</b>	<b>17,351</b>	<b>1,747</b>	<b>231,053</b>

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

Sources: Energy Information Administration • Electric Utilities: FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants" • Coke Plants: Form EIA-5, "Coke Plant Report - Quarterly" • Other Industrial: Form EIA-3, "Quarterly Coal Consumption Report-Manufacturing Plants"; Form EIA-6, "Coal Distribution Report"; Form EIA-867, "Annual Nonutility Power Producer Report"; Form EIA-7A, "Coal Production Report"; and • Residential and Commercial: Form EIA-6, "Coal Distribution Report."

**Figure 6. Quarterly Average Price of U.S. Coal Receipts, 1988-1996**



Note: Each increment represents end-of-quarter data.  
 Sources: Energy Information Administration (EIA), Electric Utilities: Federal Energy Regulatory Commission (FERC), FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants;" Coke Plants: Form EIA-5, "Coke Plant Report - Quarterly;" Other Industrial: Form EIA-3, "Quarterly Coal Consumption Report - Manufacturing Plants."

**Table 21. Average Price of U.S. Coal Receipts by End-Use Sector, 1988-1996**  
(Dollars per Short Ton)

Year and Quarter	Electric Utilities	Coke Plants	Other Industrial <sup>1</sup>
<b>1988 January - March</b> .....	\$31.08	\$47.02	\$33.91
April - June.....	31.09	48.04	32.73
July - September.....	30.28	48.13	33.44
October - December.....	30.20	47.66	33.59
<b>Average Annual Price</b> .....	<b>30.64</b>	<b>47.70</b>	<b>33.43</b>
<b>1989 January - March</b> .....	30.11	47.36	33.19
April - June.....	30.30	47.23	32.68
July - September.....	30.00	48.10	32.61
October - December.....	30.17	47.28	33.61
<b>Average Annual Price</b> .....	<b>30.15</b>	<b>47.50</b>	<b>33.03</b>
<b>1990 January - March</b> .....	30.61	47.40	33.33
April - June.....	30.89	47.65	33.73
July - September.....	30.16	47.76	33.00
October - December.....	30.16	48.15	34.30
<b>Average Annual Price</b> .....	<b>30.45</b>	<b>47.73</b>	<b>33.59</b>
<b>1991 January - March</b> .....	30.23	48.12	34.24
April - June.....	30.77	49.44	33.76
July - September.....	29.61	48.96	32.89
October - December.....	29.53	49.00	33.26
<b>Average Annual Price</b> .....	<b>30.02</b>	<b>48.88</b>	<b>33.54</b>
<b>1992 January - March</b> .....	29.48	47.88	33.56
April - June.....	29.76	48.22	31.93
July - September.....	29.01	48.06	32.36
October - December.....	29.21	47.51	33.25
<b>Average Annual Price</b> .....	<b>29.36</b>	<b>47.92</b>	<b>32.78</b>
<b>1993 January - March</b> .....	28.64	48.50	32.86
April - June.....	28.95	47.41	32.08
July - September.....	28.31	47.07	31.65
October - December.....	28.44	46.74	32.31
<b>Average Annual Price</b> .....	<b>28.58</b>	<b>47.44</b>	<b>32.23</b>
<b>1994 January - March</b> .....	28.04	47.04	32.79
April - June.....	28.71	46.66	32.47
July - September.....	28.00	46.15	32.26
October - December.....	27.35	46.41	32.66
<b>Average Annual Price</b> .....	<b>28.03</b>	<b>46.56</b>	<b>32.55</b>
<b>1995 January - March</b> .....	27.35	47.19	32.51
April - June.....	27.46	47.57	32.52
July - September.....	26.79	47.02	32.36
October - December.....	26.47	47.56	32.32
<b>Average Annual Price</b> .....	<b>27.01</b>	<b>47.34</b>	<b>32.42</b>
<b>1996 January - March</b> .....	26.53	47.47	32.46

<sup>1</sup> Manufacturing plants only.

Notes: Total may not equal sum of components because of independent rounding. Average price is based on the cost including insurance and freight (c.i.f. cost). Price data for the Residential and Commercial sector are not available. See Technical Note 1 in Appendix C.

Sources: Energy Information Administration (EIA) • Electric Utilities: Federal Energy Regulatory Commission (FERC), FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants" • Coke Plants: Form EIA-5, "Coke Plant Report - Quarterly" and • Other Industrial: Form EIA-3, "Quarterly Coal Consumption Report - Manufacturing Plants."

**Table 22. Coal Receipts by Census Division and State**  
(Thousand Short Tons)

Census Division and State	January - March 1996	October - December 1995	January - March 1995	Year to Date		
				1996	1995	Percent Change
<b>New England Total</b> .....	<b>1,640</b>	<b>1,453</b>	<b>1,615</b>	<b>1,640</b>	<b>1,615</b>	<b>1.6</b>
Connecticut.....	197	256	194	197	194	1.4
Maine.....	57	79	74	57	74	-23.8
Massachusetts.....	1,045	765	957	1,045	957	9.2
New Hampshire.....	340	352	389	340	389	-12.5
Rhode Island.....	1	1	*	1	*	110.1
Vermont.....	1	1	1	1	1	50.6
<b>Middle Atlantic Total</b> .....	<b>17,419</b>	<b>17,269</b>	<b>16,676</b>	<b>17,419</b>	<b>16,676</b>	<b>4.5</b>
New Jersey.....	508	655	393	508	393	29.3
New York.....	2,517	2,661	2,686	2,517	2,686	-6.3
Pennsylvania.....	14,394	13,953	13,597	14,394	13,597	5.9
<b>East North Central Total</b> .....	<b>50,269</b>	<b>55,296</b>	<b>50,471</b>	<b>50,269</b>	<b>50,471</b>	<b>-4</b>
Illinois.....	9,720	10,656	9,992	9,720	9,992	-2.7
Indiana.....	16,143	14,930	15,498	16,143	15,498	4.2
Michigan.....	4,653	9,984	5,485	4,653	5,485	-15.2
Ohio.....	14,119	13,719	14,330	14,119	14,330	-1.5
Wisconsin.....	5,634	6,007	5,166	5,634	5,166	9.0
<b>West North Central Total</b> .....	<b>33,705</b>	<b>32,182</b>	<b>34,114</b>	<b>33,705</b>	<b>34,114</b>	<b>-1.2</b>
Iowa.....	5,117	4,577	5,303	5,117	5,303	-3.5
Kansas.....	4,384	4,689	4,124	4,384	4,124	6.3
Minnesota.....	4,801	4,536	5,039	4,801	5,039	-4.7
Missouri.....	7,916	7,785	8,157	7,916	8,157	-2.9
Nebraska.....	2,917	2,490	2,990	2,917	2,990	-2.4
North Dakota.....	8,025	7,606	7,798	8,025	7,798	2.9
South Dakota.....	545	498	703	545	703	-22.5
<b>South Atlantic Total</b> .....	<b>38,645</b>	<b>39,106</b>	<b>37,465</b>	<b>38,645</b>	<b>37,465</b>	<b>3.2</b>
Delaware.....	353	505	464	353	464	-23.8
District of Columbia.....	2	3	*	2	*	NM
Florida.....	6,173	6,353	6,450	6,173	6,450	-4.3
Georgia.....	7,083	7,760	7,413	7,083	7,413	-4.5
Maryland.....	3,172	3,208	2,437	3,172	2,437	30.2
North Carolina.....	6,051	5,922	5,390	6,051	5,390	12.3
South Carolina.....	2,812	3,111	3,031	2,812	3,031	-7.2
Virginia.....	3,732	3,198	3,027	3,732	3,027	23.3
West Virginia.....	9,268	9,045	9,253	9,268	9,253	.2
<b>East South Central Total</b> .....	<b>27,451</b>	<b>27,788</b>	<b>26,129</b>	<b>27,451</b>	<b>26,129</b>	<b>5.1</b>
Alabama.....	8,522	8,638	7,842	8,522	7,842	8.7
Kentucky.....	10,609	10,531	10,135	10,609	10,135	4.7
Mississippi.....	1,012	968	1,300	1,012	1,300	-22.2
Tennessee.....	7,309	7,651	6,852	7,309	6,852	6.7
<b>West South Central Total</b> .....	<b>36,040</b>	<b>36,520</b>	<b>34,974</b>	<b>36,040</b>	<b>34,974</b>	<b>3.0</b>
Arkansas.....	3,584	3,748	3,344	3,584	3,344	7.2
Louisiana.....	3,050	3,028	3,376	3,050	3,376	-9.7
Oklahoma.....	4,843	5,191	5,273	4,843	5,273	-8.2
Texas.....	24,564	24,553	22,982	24,564	22,982	6.9
<b>Mountain Total</b> .....	<b>24,065</b>	<b>27,041</b>	<b>28,561</b>	<b>24,065</b>	<b>28,561</b>	<b>-15.7</b>
Arizona.....	3,366	3,594	4,433	3,366	4,433	-24.1
Colorado.....	4,297	4,297	4,565	4,297	4,565	-5.9
Idaho.....	78	129	147	78	147	-47.2
Montana.....	1,672	2,523	3,002	1,672	3,002	-44.3
Nevada.....	1,793	2,063	1,708	1,793	1,708	5.0
New Mexico.....	3,063	3,723	3,618	3,063	3,618	-15.3
Utah.....	3,536	3,667	3,995	3,536	3,995	-11.5
Wyoming.....	6,261	7,046	7,093	6,261	7,093	-11.7
<b>Pacific Total</b> .....	<b>1,817</b>	<b>2,903</b>	<b>2,808</b>	<b>1,817</b>	<b>2,808</b>	<b>-35.3</b>
Alaska.....	158	182	153	158	153	3.0
California.....	571	747	663	571	663	-13.8
Hawaii.....	48	15	14	48	14	238.1
Oregon.....	10	494	581	10	581	-98.3
Washington.....	1,030	1,464	1,396	1,030	1,396	-26.2
<b>U.S. Total</b> .....	<b>231,053</b>	<b>239,558</b>	<b>232,812</b>	<b>231,053</b>	<b>232,812</b>	<b>-8</b>

\* Rounded to zero.

NM Percent change calculation not meaningful as value is greater than 500.

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

Sources: Energy Information Administration, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants"; Form EIA-3, "Quarterly Coal Consumption-Manufacturing Plants"; Form EIA-5, "Coke Plant Report - Quarterly"; Form EIA-867, "Annual Nonutility Power Producer Report"; Form EIA-7A, "Coal Production Report"; and Form EIA-6, "Coal Distribution Report."



**Table 23. Quantity and Price of Coal Receipts at Electric Utility Plants by Census Division and State**

Census Division and State	January-March 1996		January-March 1995		Year to Date					
	Quantity (thousand short tons)	Price (cents per MM Btu)	Quantity (thousand short tons)	Price (cents per MM Btu)	1996		1995		Percent Change	
					Quantity (thousand short tons)	Price (cents per MM Btu)	Quantity (thousand short tons)	Price (cents per MM Btu)	Quantity	Price
<b>New England</b> .....	<b>1,557</b>	<b>170</b>	<b>1,523</b>	<b>169</b>	<b>1,557</b>	<b>170</b>	<b>1,523</b>	<b>169</b>	<b>2.3</b>	<b>0.2</b>
Connecticut.....	189	191	192	186	189	191	192	186	-1.6	2.8
Massachusetts.....	1,031	170	943	172	1,031	170	943	172	9.3	-9
New Hampshire.....	337	157	388	156	337	157	388	156	-13.0	.7
<b>Mid Atlantic</b> .....	<b>12,598</b>	<b>141</b>	<b>11,691</b>	<b>140</b>	<b>12,598</b>	<b>141</b>	<b>11,691</b>	<b>140</b>	<b>7.8</b>	<b>.7</b>
New Jersey.....	505	177	388	176	505	177	388	176	30.0	.6
New York.....	1,805	142	1,973	143	1,805	142	1,973	143	-8.5	-4
Pennsylvania.....	10,288	139	9,330	138	10,288	139	9,330	138	10.3	.8
<b>East North Central</b> .....	<b>43,335</b>	<b>134</b>	<b>43,566</b>	<b>141</b>	<b>43,335</b>	<b>134</b>	<b>43,566</b>	<b>141</b>	<b>-5</b>	<b>-4.7</b>
Illinois.....	8,131	168	8,418	172	8,131	168	8,418	172	-3.4	-2.7
Indiana.....	13,383	122	13,110	126	13,383	122	13,110	126	2.1	-3.2
Michigan.....	4,040	135	4,800	147	4,040	135	4,800	147	-15.8	-8.2
Ohio.....	12,577	136	12,488	142	12,577	136	12,488	142	.7	-4.1
Wisconsin.....	5,204	104	4,749	113	5,204	104	4,749	113	9.6	-7.9
<b>West North Central</b> .....	<b>30,112</b>	<b>92</b>	<b>30,635</b>	<b>97</b>	<b>30,112</b>	<b>92</b>	<b>30,635</b>	<b>97</b>	<b>-1.7</b>	<b>-5.4</b>
Iowa.....	4,538	94	4,722	98	4,538	94	4,722	98	-3.9	-4.8
Kansas.....	4,316	101	4,086	105	4,316	101	4,086	105	5.6	-4.2
Minnesota.....	4,176	110	4,571	120	4,176	110	4,571	120	-8.6	-8.5
Missouri.....	7,569	94	7,836	101	7,569	94	7,836	101	-3.4	-6.2
Nebraska.....	2,855	73	2,910	75	2,855	73	2,910	75	-1.9	-3.6
North Dakota.....	6,192	73	5,908	71	6,192	73	5,908	71	4.8	2.6
South Dakota.....	466	92	603	109	466	92	603	109	-22.7	-15.4
<b>South Atlantic</b> .....	<b>34,256</b>	<b>150</b>	<b>32,821</b>	<b>158</b>	<b>34,256</b>	<b>150</b>	<b>32,821</b>	<b>158</b>	<b>4.4</b>	<b>-4.7</b>
Delaware.....	306	155	428	165	306	155	428	165	-28.4	-6.1
Florida.....	5,847	179	6,137	182	5,847	179	6,137	182	-4.7	-1.5
Georgia.....	6,538	155	6,795	170	6,538	155	6,795	170	-3.8	-8.5
Maryland.....	2,894	151	2,226	153	2,894	151	2,226	153	30.0	-8
North Carolina.....	5,348	155	4,612	171	5,348	155	4,612	171	16.0	-9.5
South Carolina.....	2,242	148	2,466	155	2,242	148	2,466	155	-9.1	-4.9
Virginia.....	2,746	144	2,043	144	2,746	144	2,043	144	34.4	*
West Virginia.....	8,334	126	8,114	128	8,334	126	8,114	128	2.7	-1.6
<b>East South Central</b> .....	<b>23,939</b>	<b>124</b>	<b>22,844</b>	<b>130</b>	<b>23,939</b>	<b>124</b>	<b>22,844</b>	<b>130</b>	<b>4.8</b>	<b>-4.7</b>
Alabama.....	7,021	154	6,445	158	7,021	154	6,445	158	8.9	-2.9
Kentucky.....	9,687	106	9,331	114	9,687	106	9,331	114	3.8	-7.3
Mississippi.....	948	148	1,232	149	948	148	1,232	149	-23.1	-9
Tennessee.....	6,282	114	5,836	120	6,282	114	5,836	120	7.7	-4.8
<b>West South Central</b> .....	<b>34,613</b>	<b>130</b>	<b>33,327</b>	<b>137</b>	<b>34,613</b>	<b>130</b>	<b>33,327</b>	<b>137</b>	<b>3.9</b>	<b>-4.7</b>
Arkansas.....	3,500	152	3,256	162	3,500	152	3,256	162	7.5	-6.0
Louisiana.....	3,028	152	3,221	155	3,028	152	3,221	155	-6.0	-1.6
Oklahoma.....	4,649	100	4,947	99	4,649	100	4,947	99	-6.0	1.0
Texas.....	23,436	130	21,902	139	23,436	130	21,902	139	7.0	-6.3
<b>Mountain</b> .....	<b>22,666</b>	<b>116</b>	<b>26,786</b>	<b>112</b>	<b>22,666</b>	<b>116</b>	<b>26,786</b>	<b>112</b>	<b>-15.4</b>	<b>3.4</b>
Arizona.....	3,199	156	4,260	139	3,199	156	4,260	139	-24.9	12.0
Colorado.....	4,137	107	4,397	104	4,137	107	4,397	104	-5.9	3.1
Montana.....	1,643	76	2,842	66	1,643	76	2,842	66	-42.2	15.7
Nevada.....	1,748	140	1,650	143	1,748	140	1,650	143	5.9	-2.1
New Mexico.....	3,042	151	3,597	151	3,042	151	3,597	151	-15.4	.1
Utah.....	3,160	109	3,521	118	3,160	109	3,521	118	-10.3	-7.5
Wyoming.....	5,737	84	6,519	81	5,737	84	6,519	81	-12.0	3.5
<b>Pacific</b> .....	<b>972</b>	<b>188</b>	<b>1,863</b>	<b>144</b>	<b>972</b>	<b>188</b>	<b>1,863</b>	<b>144</b>	<b>-47.8</b>	<b>30.4</b>
Oregon.....	-	-	531	112	-	-	531	112	-	-
Washington.....	972	188	1,332	157	972	188	1,332	157	-27.0	19.3
<b>U.S. Total</b> .....	<b>204,046</b>	<b>130</b>	<b>205,054</b>	<b>133</b>	<b>204,046</b>	<b>130</b>	<b>205,054</b>	<b>133</b>	<b>-5</b>	<b>-3.0</b>

\* For percentage calculations, the absolute value of the number is less than 0.05 percent.

Notes: Total may not equal sum of components because of independent rounding. MM Btu represents million Btu.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

**Table 24. Quantity and Price of Contract Coal Receipts at Electric Utility Plants by Census Division and State**

Census Division and State	January-March 1996		January-March 1995		Year to Date					
	Quantity (thousand short tons)	Price (cents per MM Btu)	Quantity (thousand short tons)	Price (cents per MM Btu)	1996		1995		Percent Change	
					Quantity (thousand short tons)	Price (cents per MM Btu)	Quantity (thousand short tons)	Price (cents per MM Btu)	Quantity	Price
<b>New England</b> .....	<b>1,284</b>	<b>169</b>	<b>1,125</b>	<b>170</b>	<b>1,284</b>	<b>169</b>	<b>1,125</b>	<b>170</b>	<b>14.2</b>	<b>-0.7</b>
Connecticut.....	189	191	192	186	189	191	192	186	-1.6	2.8
Massachusetts.....	805	168	642	173	805	168	642	173	25.4	-2.5
New Hampshire.....	290	157	291	155	290	157	291	155	-2	1.1
<b>Mid Atlantic</b> .....	<b>9,541</b>	<b>146</b>	<b>8,152</b>	<b>148</b>	<b>9,541</b>	<b>146</b>	<b>8,152</b>	<b>148</b>	<b>17.0</b>	<b>-1.2</b>
New Jersey.....	483	178	386	176	483	178	386	176	25.0	1.4
New York.....	1,662	141	1,143	146	1,662	141	1,143	146	45.3	-3.5
Pennsylvania.....	7,397	146	6,622	147	7,397	146	6,622	147	11.7	-8
<b>East North Central</b> .....	<b>33,317</b>	<b>141</b>	<b>32,432</b>	<b>149</b>	<b>33,317</b>	<b>141</b>	<b>32,432</b>	<b>149</b>	<b>2.7</b>	<b>-5.2</b>
Illinois.....	7,059	174	7,243	178	7,059	174	7,243	178	-2.5	-2.1
Indiana.....	9,875	129	10,014	131	9,875	129	10,014	131	-1.4	-1.7
Michigan.....	3,191	140	4,003	150	3,191	140	4,003	150	-20.3	-6.8
Ohio.....	9,141	146	8,616	154	9,141	146	8,616	154	6.1	-5.4
Wisconsin.....	4,051	100	2,556	115	4,051	100	2,556	115	58.5	-12.8
<b>West North Central</b> .....	<b>25,614</b>	<b>93</b>	<b>26,627</b>	<b>99</b>	<b>25,614</b>	<b>93</b>	<b>26,627</b>	<b>99</b>	<b>-3.8</b>	<b>-5.3</b>
Iowa.....	3,687	95	3,678	100	3,687	95	3,678	100	.2	-4.8
Kansas.....	3,042	113	2,980	117	3,042	113	2,980	117	2.1	-4.1
Minnesota.....	3,875	110	4,263	120	3,875	110	4,263	120	-9.1	-8.3
Missouri.....	6,315	94	6,924	101	6,315	94	6,924	101	-8.8	-6.6
Nebraska.....	2,038	75	2,271	77	2,038	75	2,271	77	-10.3	-2.6
North Dakota.....	6,192	73	5,908	71	6,192	73	5,908	71	4.8	2.6
South Dakota.....	466	92	603	109	466	92	603	109	-22.7	-15.4
<b>South Atlantic</b> .....	<b>22,981</b>	<b>157</b>	<b>25,528</b>	<b>163</b>	<b>22,981</b>	<b>157</b>	<b>25,528</b>	<b>163</b>	<b>-10.0</b>	<b>-3.9</b>
Delaware.....	207	159	339	169	207	159	339	169	-38.9	-5.7
Florida.....	4,353	190	4,603	191	4,353	190	4,603	191	-5.4	-5
Georgia.....	2,801	165	4,258	177	2,801	165	4,258	177	-34.2	-6.9
Maryland.....	1,812	150	1,848	153	1,812	150	1,848	153	-1.9	-2.2
North Carolina.....	4,015	159	4,423	173	4,015	159	4,423	173	-9.2	-8.2
South Carolina.....	1,610	151	2,227	155	1,610	151	2,227	155	-27.7	-3.0
Virginia.....	2,187	143	1,801	144	2,187	143	1,801	144	21.5	-6
West Virginia.....	5,996	139	6,029	138	5,996	139	6,029	138	-5	.1
<b>East South Central</b> .....	<b>17,523</b>	<b>129</b>	<b>16,573</b>	<b>136</b>	<b>17,523</b>	<b>129</b>	<b>16,573</b>	<b>136</b>	<b>5.7</b>	<b>-4.9</b>
Alabama.....	5,694	162	4,705	170	5,694	162	4,705	170	21.0	-5.1
Kentucky.....	6,805	108	6,522	116	6,805	108	6,522	116	4.3	-7.0
Mississippi.....	695	153	1,119	152	695	153	1,119	152	-37.9	.7
Tennessee.....	4,330	116	4,228	123	4,330	116	4,228	123	2.4	-5.6
<b>West South Central</b> .....	<b>33,013</b>	<b>130</b>	<b>30,425</b>	<b>140</b>	<b>33,013</b>	<b>130</b>	<b>30,425</b>	<b>140</b>	<b>8.5</b>	<b>-6.6</b>
Arkansas.....	3,332	154	3,155	163	3,332	154	3,155	163	5.6	-5.5
Louisiana.....	3,028	152	3,221	155	3,028	152	3,221	155	-6.0	-1.6
Oklahoma.....	4,418	102	2,883	102	4,418	102	2,883	102	53.3	-4
Texas.....	22,235	130	21,165	139	22,235	130	21,165	139	5.1	-6.7
<b>Mountain</b> .....	<b>21,754</b>	<b>117</b>	<b>24,889</b>	<b>114</b>	<b>21,754</b>	<b>117</b>	<b>24,889</b>	<b>114</b>	<b>-12.6</b>	<b>3.1</b>
Arizona.....	2,865	160	3,631	142	2,865	160	3,631	142	-21.1	12.5
Colorado.....	3,992	109	4,083	105	3,992	109	4,083	105	-2.2	3.6
Montana.....	1,643	76	2,842	66	1,643	76	2,842	66	-42.2	15.7
Nevada.....	1,748	140	1,650	143	1,748	140	1,650	143	5.9	-2.1
New Mexico.....	3,042	151	3,597	151	3,042	151	3,597	151	-15.4	.1
Utah.....	3,017	112	3,368	121	3,017	112	3,368	121	-10.4	-7.6
Wyoming.....	5,447	84	5,718	82	5,447	84	5,718	82	-4.7	3.1
<b>Pacific</b> .....	<b>968</b>	<b>188</b>	<b>948</b>	<b>174</b>	<b>968</b>	<b>188</b>	<b>948</b>	<b>174</b>	<b>2.1</b>	<b>8.1</b>
Washington.....	968	188	948	174	968	188	948	174	2.1	8.1
<b>U.S. Total</b> .....	<b>165,995</b>	<b>133</b>	<b>166,699</b>	<b>138</b>	<b>165,995</b>	<b>133</b>	<b>166,699</b>	<b>138</b>	<b>-4</b>	<b>-3.6</b>

Notes: Total may not equal sum of components because of independent rounding. MM Btu represents million Btu.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

**Table 25. Quantity and Price of Spot Coal Receipts at Electric Utility Plants by Census Division and State**

Census Division and State	January-March 1996		January-March 1995		Year to Date					
	Quantity (thousand short tons)	Price (cents per MM Btu)	Quantity (thousand short tons)	Price (cents per MM Btu)	1996		1995		Percent Change	
					Quantity (thousand short tons)	Price (cents per MM Btu)	Quantity (thousand short tons)	Price (cents per MM Btu)	Quantity	Price
<b>New England</b> .....	<b>273</b>	<b>174</b>	<b>398</b>	<b>167</b>	<b>273</b>	<b>174</b>	<b>398</b>	<b>167</b>	<b>-31.5</b>	<b>4.1</b>
Massachusetts.....	226	177	301	170	226	177	301	170	-25.1	4.2
New Hampshire.....	47	160	97	159	47	160	97	159	-51.4	.4
<b>Mid Atlantic</b> .....	<b>3,057</b>	<b>125</b>	<b>3,538</b>	<b>122</b>	<b>3,057</b>	<b>125</b>	<b>3,538</b>	<b>122</b>	<b>-13.6</b>	<b>2.4</b>
New Jersey.....	22	146	2	200	22	146	2	200	NM	-26.8
New York.....	144	158	830	139	144	158	830	139	-82.7	14.4
Pennsylvania.....	2,891	123	2,707	116	2,891	123	2,707	116	6.8	5.6
<b>East North Central</b> .....	<b>10,018</b>	<b>110</b>	<b>11,134</b>	<b>116</b>	<b>10,018</b>	<b>110</b>	<b>11,134</b>	<b>116</b>	<b>-10.0</b>	<b>-5.5</b>
Illinois.....	1,072	129	1,175	142	1,072	129	1,175	142	-8.8	-9.1
Indiana.....	3,509	103	3,096	109	3,509	103	3,096	109	13.3	-6.0
Michigan.....	849	117	798	135	849	117	798	135	6.5	-13.5
Ohio.....	3,435	109	3,872	114	3,435	109	3,872	114	-11.3	-4.2
Wisconsin.....	1,153	114	2,193	110	1,153	114	2,193	110	-47.4	4.2
<b>West North Central</b> .....	<b>4,498</b>	<b>83</b>	<b>4,008</b>	<b>87</b>	<b>4,498</b>	<b>83</b>	<b>4,008</b>	<b>87</b>	<b>12.2</b>	<b>-4.4</b>
Iowa.....	852	87	1,044	93	852	87	1,044	93	-18.4	-6.2
Kansas.....	1,274	72	1,105	72	1,274	72	1,105	72	15.2	1.0
Minnesota.....	301	110	308	122	301	110	308	122	-2.2	-10.0
Missouri.....	1,254	94	911	97	1,254	94	911	97	37.6	-2.7
Nebraska.....	817	67	639	70	817	67	639	70	27.9	-4.1
<b>South Atlantic</b> .....	<b>11,274</b>	<b>135</b>	<b>7,293</b>	<b>136</b>	<b>11,274</b>	<b>135</b>	<b>7,293</b>	<b>136</b>	<b>54.6</b>	<b>-1</b>
Delaware.....	100	147	89	152	100	147	89	152	11.6	-3.3
Florida.....	1,495	149	1,534	155	1,495	149	1,534	155	-2.6	-3.9
Georgia.....	3,737	147	2,537	155	3,737	147	2,537	155	47.3	-5.1
Maryland.....	1,082	154	378	151	1,082	154	378	151	185.8	2.2
North Carolina.....	1,333	144	189	128	1,333	144	189	128	NM	11.8
South Carolina.....	632	139	239	151	632	139	239	151	164.9	-8.0
Virginia.....	559	148	242	146	559	148	242	146	130.8	1.5
West Virginia.....	2,338	93	2,084	97	2,338	93	2,084	97	12.2	-4.6
<b>East South Central</b> .....	<b>6,416</b>	<b>109</b>	<b>6,271</b>	<b>114</b>	<b>6,416</b>	<b>109</b>	<b>6,271</b>	<b>114</b>	<b>2.3</b>	<b>-4.1</b>
Alabama.....	1,327	121	1,740	122	1,327	121	1,740	122	-23.7	-1.2
Kentucky.....	2,882	101	2,810	110	2,882	101	2,810	110	2.6	-7.9
Mississippi.....	253	135	113	125	253	135	113	125	124.2	7.6
Tennessee.....	1,953	110	1,608	112	1,953	110	1,608	112	21.4	-1.8
<b>West South Central</b> .....	<b>1,599</b>	<b>129</b>	<b>2,902</b>	<b>109</b>	<b>1,599</b>	<b>129</b>	<b>2,902</b>	<b>109</b>	<b>-44.9</b>	<b>18.1</b>
Arkansas.....	168	114	101	130	168	114	101	130	66.3	-12.3
Oklahoma.....	230	79	2,064	96	230	79	2,064	96	-88.8	-17.1
Texas.....	1,201	139	737	141	1,201	139	737	141	63.0	-1.1
<b>Mountain</b> .....	<b>912</b>	<b>84</b>	<b>1,897</b>	<b>90</b>	<b>912</b>	<b>84</b>	<b>1,897</b>	<b>90</b>	<b>-51.9</b>	<b>-6.9</b>
Arizona.....	334	118	629	120	334	118	629	120	-46.8	-1.3
Colorado.....	145	61	314	90	145	61	314	90	-53.8	-32.1
Utah.....	143	57	153	60	143	57	153	60	-6.5	-4.0
Wyoming.....	290	71	801	74	290	71	801	74	-63.8	-3.6
<b>Pacific</b> .....	<b>4</b>	<b>176</b>	<b>915</b>	<b>118</b>	<b>4</b>	<b>176</b>	<b>915</b>	<b>118</b>	<b>-99.6</b>	<b>49.5</b>
Oregon.....	-	-	531	112	-	-	531	112	-	-
Washington.....	4	176	384	125	4	176	384	125	-99.0	41.1
<b>U.S. Total</b> .....	<b>38,051</b>	<b>117</b>	<b>38,355</b>	<b>117</b>	<b>38,051</b>	<b>117</b>	<b>38,355</b>	<b>117</b>	<b>-0.8</b>	<b>.3</b>

NM Percent change calculation not meaningful as value is greater than 500.

Notes: Total may not equal sum of components because of independent rounding. MM Btu represents million Btu.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

**Table 26. Average Cost of Coal Receipts at Electric Utility Plants by Census Division and State**  
(Dollars per Short Ton)

Census Division and State	January-March 1996	October-December 1995	January-March 1995	Year to Date		
				1996	1995	Percent Change
<b>New England</b> .....	<b>\$43.39</b>	<b>\$42.45</b>	<b>\$43.65</b>	<b>\$43.39</b>	<b>\$43.65</b>	<b>-0.6</b>
Connecticut .....	49.85	49.68	48.70	49.85	48.70	2.4
Massachusetts.....	42.91	40.89	43.75	42.91	43.75	-1.9
New Hampshire .....	41.24	40.91	40.93	41.24	40.93	.8
<b>Mid Atlantic</b> .....	<b>35.43</b>	<b>34.38</b>	<b>35.17</b>	<b>35.43</b>	<b>35.17</b>	<b>.7</b>
New Jersey .....	46.84	47.14	48.10	46.84	48.10	-2.6
New York.....	37.09	36.98	37.37	37.09	37.37	-.7
Pennsylvania .....	34.58	33.03	34.17	34.58	34.17	1.2
<b>East North Central</b> .....	<b>28.56</b>	<b>29.13</b>	<b>30.33</b>	<b>28.56</b>	<b>30.33</b>	<b>-5.8</b>
Illinois .....	33.21	31.32	34.71	33.21	34.71	-4.3
Indiana.....	25.14	25.24	26.16	25.14	26.16	-3.9
Michigan .....	29.60	30.13	33.08	29.60	33.08	-10.5
Ohio.....	32.93	34.48	34.37	32.93	34.37	-4.2
Wisconsin.....	18.73	21.04	20.69	18.73	20.69	-9.5
<b>West North Central</b> .....	<b>15.36</b>	<b>15.39</b>	<b>16.27</b>	<b>15.36</b>	<b>16.27</b>	<b>-5.6</b>
Iowa.....	16.09	16.95	16.78	16.09	16.78	-4.1
Kansas .....	17.69	17.10	18.36	17.69	18.36	-3.7
Minnesota.....	19.56	18.59	21.07	19.56	21.07	-7.1
Missouri.....	17.04	16.99	18.74	17.04	18.74	-9.1
Nebraska.....	12.53	12.69	12.97	12.53	12.97	-3.4
North Dakota.....	9.55	9.55	9.36	9.55	9.36	2.0
South Dakota.....	16.16	17.13	13.29	16.16	13.29	21.6
<b>South Atlantic</b> .....	<b>36.94</b>	<b>37.44</b>	<b>38.82</b>	<b>36.94</b>	<b>38.82</b>	<b>-4.8</b>
Delaware .....	40.68	41.78	43.04	40.68	43.04	-5.5
Florida .....	44.26	42.95	44.61	44.26	44.61	-.8
Georgia.....	35.39	38.23	39.29	35.39	39.29	-9.9
Maryland .....	38.99	38.97	39.27	38.99	39.27	-.7
North Carolina .....	38.45	38.81	42.65	38.45	42.65	-9.8
South Carolina .....	37.77	37.99	39.72	37.77	39.72	-4.9
Virginia .....	36.25	36.78	36.81	36.25	36.81	-1.5
West Virginia.....	31.23	30.98	31.73	31.23	31.73	-1.6
<b>East South Central</b> .....	<b>29.06</b>	<b>29.41</b>	<b>30.63</b>	<b>29.06</b>	<b>30.63</b>	<b>-5.1</b>
Alabama .....	36.16	36.74	37.48	36.16	37.48	-3.5
Kentucky .....	24.47	24.96	26.70	24.47	26.70	-8.4
Mississippi.....	33.31	32.80	31.69	33.31	31.69	5.1
Tennessee.....	27.58	27.26	29.10	27.58	29.10	-5.2
<b>West South Central</b> .....	<b>20.20</b>	<b>19.94</b>	<b>21.30</b>	<b>20.20</b>	<b>21.30</b>	<b>-5.2</b>
Arkansas.....	26.43	27.08	28.17	26.43	28.17	-6.2
Louisiana.....	24.94	25.17	25.21	24.94	25.21	-1.1
Oklahoma.....	17.30	16.79	17.01	17.30	17.01	1.7
Texas .....	19.23	18.80	20.67	19.23	20.67	-7.0
<b>Mountain</b> .....	<b>22.54</b>	<b>20.79</b>	<b>21.67</b>	<b>22.54</b>	<b>21.67</b>	<b>4.0</b>
Arizona.....	31.59	30.07	28.36	31.59	28.36	11.4
Colorado.....	21.07	20.44	20.66	21.07	20.66	2.0
Montana.....	12.80	12.28	11.16	12.80	11.16	14.7
Nevada.....	31.04	27.90	31.53	31.04	31.53	-1.5
New Mexico.....	27.62	23.69	27.05	27.62	27.05	2.1
Utah.....	25.27	23.60	27.14	25.27	27.14	-6.9
Wyoming.....	14.56	13.87	14.16	14.56	14.16	2.9
<b>Pacific</b> .....	<b>29.27</b>	<b>22.04</b>	<b>24.90</b>	<b>29.27</b>	<b>24.90</b>	<b>17.6</b>
Oregon.....	-	17.76	20.22	-	20.22	-
Washington .....	29.27	23.32	26.77	29.27	26.77	9.4
<b>U.S. Total</b> .....	<b>26.53</b>	<b>26.47</b>	<b>27.35</b>	<b>26.53</b>	<b>27.35</b>	<b>-3.0</b>

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

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

**Table 27. Coal Receipts and Prices by Sulfur Content at Electric Utility Plants, by State of Origin and Imports, January-March 1996**

State	0-0.60 lbs sulfur per MM Btu		0.61-1.67 lbs sulfur per MM Btu		> 1.67 lbs. sulfur per MM Btu		Total			Percent Change vs prior year		
	Quantity (thousand short tons)	Price (cents per MM Btu)	Quantity (thousand short tons)	Price (cents per MM Btu)	Quantity (thousand short tons)	Price (cents per MM Btu)	Quantity (thousand short tons)	Price (cents per MM Btu)	Lbs. sulfur per MM Btu	Quantity	Price	Sulfur Content
Alabama .....	1,632	201	2,217	160	165	141	4,014	176	0.93	12.0	-2.9	4.1
Arizona .....	2,197	124	-	-	-	-	2,197	124	.48	-19.8	9.3	.1
Colorado .....	4,664	127	101	70	-	-	4,765	126	.41	-12.4	-4.3	4.6
Illinois .....	38	139	3,915	144	6,385	134	10,338	138	2.08	-3.5	-4.3	.1
Indiana .....	275	137	1,786	118	3,399	102	5,459	109	2.16	-1.3	-8.0	4.1
Kansas .....	-	-	-	-	47	131	47	131	2.23	-55.9	.7	-24.7
Kentucky .....	4,289	161	16,042	144	7,563	106	27,894	137	1.36	-3.8	-6.7	7.4
Louisiana .....	-	-	649	138	58	203	707	143	1.44	-9.1	4.0	-10.8
Maryland .....	1	126	735	138	-	-	736	138	1.22	17.0	-1.0	-3
Missouri .....	1	33	-	-	120	111	121	110	3.41	256.7	-4.2	7.1
Montana .....	1,933	169	3,590	92	-	-	5,522	121	.63	-30.9	1.0	-3.8
New Mexico .....	1,415	172	3,904	156	-	-	5,319	161	.71	-21.0	2.7	.4
North Dakota .....	-	-	6,192	73	-	-	6,192	73	1.08	-4.9	-2.0	-5.8
Ohio .....	-	-	141	136	5,672	134	5,813	134	3.05	6.4	-3.7	2.8
Oklahoma .....	14	129	-	-	30	105	44	112	2.08	25.6	10.9	-19.0
Pennsylvania .....	426	154	8,760	136	2,471	117	11,657	132	1.39	19.7	-1.3	-2.8
Tennessee .....	14	138	740	122	-	-	755	122	.94	159.0	-15.5	1.4
Texas .....	-	-	8,761	99	4,361	92	13,122	97	1.61	17.7	-12.0	-3.6
Utah .....	4,435	117	-	-	-	-	4,435	117	.42	-3	-7	4.3
Virginia .....	1,398	162	2,060	141	93	128	3,552	149	.79	-10.2	-4.6	.9
Washington .....	-	-	968	188	-	-	968	188	.93	2.1	8.1	-1.5
West Virginia .....	7,653	158	10,758	141	6,249	124	24,660	142	1.22	4.9	-1.2	1.7
Wyoming .....	61,740	119	2,938	106	-	-	64,678	119	.41	.5	-1.0	.6
<b>Imported.....</b>	<b>797</b>	<b>153</b>	<b>255</b>	<b>228</b>	<b>-</b>	<b>-</b>	<b>1,052</b>	<b>172</b>	<b>.57</b>	<b>-26.2</b>	<b>1.5</b>	<b>.6</b>
<b>Total.....</b>	<b>92,922</b>	<b>131</b>	<b>74,511</b>	<b>133</b>	<b>36,613</b>	<b>119</b>	<b>204,046</b>	<b>130</b>	<b>1.09</b>	<b>-.5</b>	<b>-3.0</b>	<b>3.6</b>

Notes: Total may not equal sum of components because of independent rounding. MM Btu represents million Btu.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

**Table 28. Destination of Coal Received at Electric Utility Plants by Origin, January-March 1996, 1995**

State of Destination State of Origin and Imports	Receipts (thousand short tons)		Contract Receipts (percent)		Sulfur Content (lbs. sulfur per MM Btu)		Price (cents per MM Btu)	
	1996	1995	1996	1995	1996	1995	1996	1995
<b>Alabama</b> .....	<b>7,021</b>	<b>6,445</b>	<b>81.1</b>	<b>73.0</b>	<b>1.03</b>	<b>1.05</b>	<b>154</b>	<b>158</b>
Alabama.....	3,894	3,583	95.9	98.8	.92	.90	178	181
Illinois.....	381	217	—	4.5	1.46	2.20	124	115
Kentucky.....	965	1,067	59.7	46.6	1.44	1.52	122	129
Pennsylvania.....	136	—	100.0	—	1.80	—	111	—
Tennessee.....	167	110	100.0	84.5	.70	.72	132	133
West Virginia.....	664	895	45.8	63.1	1.37	1.19	128	131
Wyoming.....	816	573	95.4	—	.37	.41	112	119
<b>Arizona</b> .....	<b>3,199</b>	<b>4,260</b>	<b>89.6</b>	<b>85.2</b>	<b>.55</b>	<b>.52</b>	<b>156</b>	<b>139</b>
Arizona.....	1,113	1,698	100.0	100.0	.49	.49	124	107
New Mexico.....	2,086	2,562	84.0	75.5	.59	.55	176	164
<b>Arkansas</b> .....	<b>3,500</b>	<b>3,256</b>	<b>95.2</b>	<b>96.9</b>	<b>.39</b>	<b>.39</b>	<b>152</b>	<b>162</b>
Wyoming.....	3,500	3,256	95.2	96.9	.39	.39	152	162
<b>Colorado</b> .....	<b>4,137</b>	<b>4,397</b>	<b>96.5</b>	<b>92.9</b>	<b>.41</b>	<b>.39</b>	<b>107</b>	<b>104</b>
Colorado.....	2,683	3,043	94.6	89.7	.42	.40	113	109
Wyoming.....	1,454	1,354	100.0	100.0	.37	.38	92	89
<b>Connecticut</b> .....	<b>189</b>	<b>192</b>	<b>100.0</b>	<b>100.0</b>	<b>.42</b>	<b>.42</b>	<b>191</b>	<b>186</b>
Kentucky.....	189	192	100.0	100.0	.42	.42	191	186
<b>Delaware</b> .....	<b>306</b>	<b>428</b>	<b>67.5</b>	<b>79.2</b>	<b>.85</b>	<b>.69</b>	<b>155</b>	<b>165</b>
Maryland.....	22	—	100.0	—	1.16	—	149	—
Pennsylvania.....	131	75	38.7	—	1.10	1.10	145	149
West Virginia.....	154	353	87.5	95.9	.58	.60	165	169
<b>Florida</b> .....	<b>5,847</b>	<b>6,137</b>	<b>74.4</b>	<b>75.0</b>	<b>1.21</b>	<b>1.17</b>	<b>179</b>	<b>182</b>
Colorado.....	139	201	100.0	100.0	.37	.32	191	184
Illinois.....	1,303	1,417	67.1	64.0	1.79	1.95	186	186
Kentucky.....	3,128	3,017	71.7	76.5	1.16	1.11	174	183
Tennessee.....	—	48	—	100.0	—	.88	—	230
Virginia.....	217	105	100.0	100.0	.56	.58	216	214
West Virginia.....	452	426	59.8	82.6	1.36	.87	169	177
Imported coal Colombia.....	304	464	100.0	94.2	.54	.59	153	148
Imported coal Indonesia.....	77	214	100.0	—	.11	.42	150	140
Imported coal Venezuela.....	227	244	100.0	100.0	.77	.77	233	233
<b>Georgia</b> .....	<b>6,538</b>	<b>6,795</b>	<b>42.8</b>	<b>62.7</b>	<b>.69</b>	<b>.70</b>	<b>155</b>	<b>170</b>
Alabama.....	120	—	—	—	1.51	—	133	—
Illinois.....	274	322	—	—	.97	.92	146	163
Kentucky.....	2,814	3,118	74.5	95.5	.76	.80	149	167
Virginia.....	528	567	39.4	100.0	.65	.80	156	174
West Virginia.....	908	1,082	54.8	65.9	.57	.57	184	197
Wyoming.....	1,865	1,706	—	—	.50	.43	152	152
Imported coal Venezuela.....	28	—	—	—	.87	—	193	—
<b>Illinois</b> .....	<b>8,131</b>	<b>8,418</b>	<b>86.8</b>	<b>86.0</b>	<b>1.25</b>	<b>1.09</b>	<b>168</b>	<b>172</b>
Colorado.....	150	445	79.2	38.6	.40	.39	133	135
Illinois.....	3,141	2,865	91.4	97.1	2.44	2.30	131	140
Indiana.....	191	298	4.9	69.2	1.03	.85	144	148
Kentucky.....	133	260	81.2	72.0	.50	.47	170	166
Montana.....	510	665	100.0	96.5	.39	.38	255	256
Utah.....	433	513	24.2	16.8	.39	.36	139	139
Wyoming.....	3,573	3,371	93.4	94.0	.34	.32	202	206
<b>Indiana</b> .....	<b>13,383</b>	<b>13,110</b>	<b>73.8</b>	<b>76.4</b>	<b>1.54</b>	<b>1.56</b>	<b>122</b>	<b>126</b>
Illinois.....	2,778	2,919	84.7	76.2	2.20	2.19	136	142
Indiana.....	4,556	4,655	53.0	59.7	2.17	2.11	110	119
Kentucky.....	219	261	85.9	86.1	1.29	1.29	134	138
Montana.....	217	159	100.0	100.0	.37	.38	254	260
Ohio.....	232	225	—	21.3	3.84	3.46	103	99
Pennsylvania.....	63	39	—	100.0	1.63	1.81	109	101
Virginia.....	250	278	100.0	100.0	.53	.55	155	139
West Virginia.....	211	154	69.3	57.9	1.20	.70	149	153
Wyoming.....	4,858	4,419	88.6	94.4	.35	.36	115	115
<b>Iowa</b> .....	<b>4,538</b>	<b>4,722</b>	<b>81.2</b>	<b>77.9</b>	<b>.47</b>	<b>.46</b>	<b>94</b>	<b>98</b>
Colorado.....	151	41	86.5	100.0	.50	.44	130	126
Illinois.....	34	30	62.4	—	2.23	1.61	114	105
Indiana.....	21	—	—	—	1.13	—	121	—
Wyoming.....	4,333	4,652	81.6	78.2	.44	.45	92	98
<b>Kansas</b> .....	<b>4,316</b>	<b>4,086</b>	<b>70.5</b>	<b>72.9</b>	<b>.57</b>	<b>.51</b>	<b>101</b>	<b>105</b>
Colorado.....	342	271	100.0	100.0	.41	.32	121	120
Illinois.....	47	69	42.9	86.2	2.50	2.00	140	274
Kansas.....	27	31	100.0	100.0	2.01	2.60	130	130
Missouri.....	98	30	—	—	3.57	3.06	106	119
Wyoming.....	3,802	3,686	69.8	71.1	.45	.43	97	99

See footnotes at end of table.

**Table 28. Destination of Coal Received at Electric Utility Plants by Origin, January-March 1996, 1995 (Continued)**

State of Destination State of Origin and Imports	Receipts (thousand short tons)		Contract Receipts (percent)		Sulfur Content (lbs. sulfur per MM Btu)		Price (cents per MM Btu)	
	1996	1995	1996	1995	1996	1995	1996	1995
<b>Kentucky</b> .....	<b>9,687</b>	<b>9,331</b>	<b>70.2</b>	<b>69.9</b>	<b>2.17</b>	<b>1.96</b>	<b>106</b>	<b>114</b>
Colorado.....	345	441	100.0	69.1	.42	.44	127	122
Illinois.....	22	83	—	26.7	3.10	3.13	90	97
Indiana.....	551	565	100.0	73.5	2.77	2.42	90	102
Kentucky.....	7,182	6,876	69.3	73.0	2.43	2.19	105	114
Ohio.....	177	165	34.3	6.1	3.36	3.28	91	97
Pennsylvania.....	129	107	—	—	1.26	1.90	103	103
Tennessee.....	—	9	—	—	—	1.99	—	116
Utah.....	—	12	—	99.2	—	.52	—	144
West Virginia.....	1,281	1,075	68.0	68.7	.94	.67	116	120
<b>Louisiana</b> .....	<b>3,028</b>	<b>3,221</b>	<b>100.0</b>	<b>100.0</b>	<b>.69</b>	<b>.70</b>	<b>152</b>	<b>155</b>
Louisiana.....	707	778	100.0	100.0	1.44	1.62	143	138
Wyoming.....	2,321	2,443	100.0	100.0	.51	.46	154	159
<b>Maryland</b> .....	<b>2,894</b>	<b>2,226</b>	<b>62.6</b>	<b>83.0</b>	<b>.85</b>	<b>.77</b>	<b>151</b>	<b>153</b>
Kentucky.....	244	73	65.6	100.0	.57	.57	152	155
Maryland.....	248	186	68.7	89.1	1.11	1.04	166	167
Pennsylvania.....	428	324	52.8	88.0	1.09	1.02	156	155
Virginia.....	—	141	—	100.0	—	.51	—	180
West Virginia.....	1,974	1,502	63.6	78.8	.80	.72	148	147
<b>Massachusetts</b> .....	<b>1,031</b>	<b>943</b>	<b>78.1</b>	<b>68.0</b>	<b>.55</b>	<b>.54</b>	<b>170</b>	<b>172</b>
Kentucky.....	150	70	69.8	61.6	.53	.43	184	189
Pennsylvania.....	26	28	100.0	100.0	.86	1.15	160	158
West Virginia.....	471	458	76.6	48.7	.56	.55	180	175
Imported coal Colombia.....	192	119	63.4	66.5	.51	.50	152	169
Imported coal Venezuela.....	192	269	100.0	100.0	.57	.51	154	164
<b>Michigan</b> .....	<b>4,040</b>	<b>4,800</b>	<b>79.0</b>	<b>83.4</b>	<b>.66</b>	<b>.65</b>	<b>135</b>	<b>147</b>
Kentucky.....	853	1,243	98.7	85.8	.72	.69	166	168
Montana.....	25	366	100.0	100.0	.60	.45	154	151
Ohio.....	20	46	100.0	100.0	2.20	2.62	157	173
Pennsylvania.....	547	559	73.9	64.4	1.19	1.14	117	137
Virginia.....	—	38	—	—	—	.63	—	148
West Virginia.....	810	1,056	84.0	82.6	.73	.68	157	162
Wyoming.....	1,784	1,492	68.3	86.6	.31	.28	109	111
<b>Minnesota</b> .....	<b>4,176</b>	<b>4,571</b>	<b>92.8</b>	<b>93.3</b>	<b>.45</b>	<b>.54</b>	<b>110</b>	<b>120</b>
Illinois.....	16	2	100.0	100.0	1.32	.87	171	183
Montana.....	1,893	2,529	94.2	97.1	.59	.74	109	120
Wyoming.....	2,268	2,039	91.6	88.5	.32	.29	110	120
<b>Mississippi</b> .....	<b>948</b>	<b>1,232</b>	<b>73.3</b>	<b>90.8</b>	<b>.98</b>	<b>.90</b>	<b>148</b>	<b>149</b>
Illinois.....	412	301	41.1	62.4	1.50	1.96	127	125
Kentucky.....	183	204	94.2	100.0	.63	.71	205	212
Montana.....	353	728	100.0	100.0	.44	.39	140	140
<b>Missouri</b> .....	<b>7,569</b>	<b>7,836</b>	<b>83.4</b>	<b>88.4</b>	<b>.59</b>	<b>.64</b>	<b>94</b>	<b>101</b>
Colorado.....	—	203	—	100.0	—	.40	—	159
Illinois.....	800	1,181	95.9	97.0	2.33	1.90	132	138
Kansas.....	20	76	100.0	100.0	2.55	3.11	133	131
Kentucky.....	15	15	100.0	100.0	.50	.71	207	207
Missouri.....	23	4	95.0	—	2.77	4.32	127	78
Utah.....	—	76	—	100.0	—	.30	—	127
Wyoming.....	6,710	6,282	81.8	86.1	.31	.30	88	88
<b>Montana</b> .....	<b>1,643</b>	<b>2,842</b>	<b>100.0</b>	<b>100.0</b>	<b>.78</b>	<b>.78</b>	<b>76</b>	<b>66</b>
Montana.....	1,643	2,842	100.0	100.0	.78	.78	76	66
<b>Nebraska</b> .....	<b>2,855</b>	<b>2,910</b>	<b>71.4</b>	<b>78.0</b>	<b>.39</b>	<b>.38</b>	<b>73</b>	<b>75</b>
Colorado.....	—	11	—	—	—	.37	—	110
Montana.....	2	*	—	—	.43	.43	104	103
Wyoming.....	2,852	2,898	71.4	78.3	.39	.38	73	75
<b>Nevada</b> .....	<b>1,748</b>	<b>1,650</b>	<b>100.0</b>	<b>100.0</b>	<b>.45</b>	<b>.44</b>	<b>140</b>	<b>143</b>
Arizona.....	1,084	1,041	100.0	100.0	.47	.46	123	122
Colorado.....	26	17	100.0	100.0	.43	.43	155	204
Utah.....	558	453	100.0	100.0	.39	.37	164	167
Wyoming.....	81	139	100.0	100.0	.49	.55	192	220
<b>New Hampshire</b> .....	<b>337</b>	<b>388</b>	<b>86.1</b>	<b>75.1</b>	<b>1.22</b>	<b>1.10</b>	<b>157</b>	<b>156</b>
Pennsylvania.....	226	217	93.5	100.0	1.13	1.16	161	160
West Virginia.....	79	89	100.0	83.5	1.72	1.45	143	145
Imported coal Colombia.....	32	27	—	—	.54	.54	162	162
Imported coal Venezuela.....	—	54	—	—	—	.53	—	155
<b>New Jersey</b> .....	<b>505</b>	<b>388</b>	<b>95.7</b>	<b>99.6</b>	<b>1.01</b>	<b>.71</b>	<b>177</b>	<b>176</b>
Kentucky.....	22	65	100.0	97.4	.48	.48	187	207
Virginia.....	179	244	100.0	100.0	.54	.56	183	166
West Virginia.....	304	79	92.9	100.0	1.36	1.40	172	183

See footnotes at end of table.

**Table 28. Destination of Coal Received at Electric Utility Plants by Origin, January-March 1996, 1995 (Continued)**

State of Destination State of Origin and Imports	Receipts (thousand short tons)		Contract Receipts (percent)		Sulfur Content (lbs. sulfur per MM Btu)		Price (cents per MM Btu)	
	1996	1995	1996	1995	1996	1995	1996	1995
<b>New Mexico</b> .....	<b>3,042</b>	<b>3,597</b>	<b>100.0</b>	<b>100.0</b>	<b>0.83</b>	<b>0.91</b>	<b>151</b>	<b>151</b>
New Mexico .....	3,042	3,597	100.0	100.0	.83	.91	151	151
<b>New York</b> .....	<b>1,805</b>	<b>1,973</b>	<b>92.0</b>	<b>58.0</b>	<b>1.32</b>	<b>1.38</b>	<b>142</b>	<b>143</b>
Kentucky .....	244	245	80.7	95.8	.54	.45	195	197
Pennsylvania .....	709	692	86.4	7.1	1.27	1.24	134	136
West Virginia .....	852	1,008	100.0	85.3	1.59	1.72	135	132
Imported coal Venezuela .....	-	28	-	-	-	.42	-	224
<b>North Carolina</b> .....	<b>5,348</b>	<b>4,612</b>	<b>75.1</b>	<b>95.9</b>	<b>.69</b>	<b>.66</b>	<b>155</b>	<b>171</b>
Kentucky .....	2,999	2,332	69.1	94.6	.72	.64	151	173
Virginia .....	349	916	74.0	93.1	.81	.84	128	164
West Virginia .....	2,000	1,363	84.3	100.0	.63	.57	166	172
<b>North Dakota</b> .....	<b>6,192</b>	<b>5,908</b>	<b>100.0</b>	<b>100.0</b>	<b>1.08</b>	<b>1.10</b>	<b>73</b>	<b>71</b>
North Dakota .....	6,192	5,908	100.0	100.0	1.08	1.10	73	71
<b>Ohio</b> .....	<b>12,577</b>	<b>12,488</b>	<b>72.7</b>	<b>69.0</b>	<b>1.68</b>	<b>1.53</b>	<b>136</b>	<b>142</b>
Indiana .....	-	14	-	-	-	2.75	-	85
Kentucky .....	2,293	3,056	70.1	72.8	.75	.71	139	148
Ohio .....	4,970	4,240	76.5	71.1	3.01	2.91	137	146
Pennsylvania .....	1,031	675	60.4	41.0	1.28	1.29	119	120
Virginia .....	-	31	-	-	-	.59	-	141
West Virginia .....	4,282	4,472	72.6	69.3	.79	.88	137	137
<b>Oklahoma</b> .....	<b>4,649</b>	<b>4,947</b>	<b>95.0</b>	<b>58.3</b>	<b>.41</b>	<b>.43</b>	<b>100</b>	<b>99</b>
Oklahoma .....	44	35	100.0	100.0	2.08	2.57	112	101
Wyoming .....	4,605	4,912	95.0	58.0	.39	.41	100	99
<b>Oregon</b> .....	<b>-</b>	<b>531</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>.38</b>	<b>-</b>	<b>112</b>
Wyoming .....	-	531	-	-	-	.38	-	112
<b>Pennsylvania</b> .....	<b>10,288</b>	<b>9,330</b>	<b>71.9</b>	<b>71.0</b>	<b>1.69</b>	<b>1.74</b>	<b>139</b>	<b>138</b>
Ohio .....	282	376	77.7	85.3	2.81	2.82	165	160
Pennsylvania .....	7,681	6,859	64.4	61.6	1.46	1.51	134	135
West Virginia .....	2,325	2,094	95.9	99.3	2.30	2.32	153	146
<b>South Carolina</b> .....	<b>2,242</b>	<b>2,466</b>	<b>71.8</b>	<b>90.3</b>	<b>.95</b>	<b>.92</b>	<b>148</b>	<b>155</b>
Kentucky .....	1,949	2,200	67.9	90.0	.92	.90	147	155
Tennessee .....	6	-	-	-	1.11	-	147	-
Virginia .....	286	265	100.0	93.0	1.13	1.06	152	154
West Virginia .....	-	1	-	100.0	-	.70	-	180
<b>South Dakota</b> .....	<b>466</b>	<b>603</b>	<b>100.0</b>	<b>100.0</b>	<b>.74</b>	<b>1.68</b>	<b>92</b>	<b>109</b>
Montana .....	466	-	100.0	-	.74	-	92	-
North Dakota .....	-	603	-	100.0	-	1.68	-	109
<b>Tennessee</b> .....	<b>6,282</b>	<b>5,836</b>	<b>68.9</b>	<b>72.4</b>	<b>1.54</b>	<b>1.66</b>	<b>114</b>	<b>120</b>
Colorado .....	145	41	-	-	.45	.50	114	114
Illinois .....	1,126	1,227	38.0	29.3	1.72	1.96	111	114
Indiana .....	113	-	-	-	1.09	-	118	-
Kentucky .....	3,404	3,966	77.7	85.1	1.81	1.69	112	122
Pennsylvania .....	51	55	100.0	-	1.81	1.31	109	122
Tennessee .....	582	125	94.3	100.0	1.00	1.04	119	125
Utah .....	550	182	62.6	100.0	.40	.43	122	118
Virginia .....	312	185	100.0	100.0	1.41	1.17	126	126
West Virginia .....	-	56	-	-	-	1.29	-	118
<b>Texas</b> .....	<b>23,436</b>	<b>21,902</b>	<b>94.9</b>	<b>96.6</b>	<b>1.00</b>	<b>.96</b>	<b>130</b>	<b>139</b>
Colorado .....	408	341	-	68.5	.37	.36	142	192
Texas .....	13,122	11,145	99.8	100.0	1.61	1.67	97	110
Wyoming .....	9,906	10,415	92.2	94.0	.42	.42	163	160
<b>Utah</b> .....	<b>3,160</b>	<b>3,521</b>	<b>95.5</b>	<b>95.7</b>	<b>.42</b>	<b>.42</b>	<b>109</b>	<b>118</b>
Colorado .....	317	386	100.0	100.0	.38	.45	176	223
Utah .....	2,843	3,134	95.0	95.1	.43	.41	102	106
<b>Virginia</b> .....	<b>2,746</b>	<b>2,043</b>	<b>79.6</b>	<b>88.1</b>	<b>.77</b>	<b>.80</b>	<b>144</b>	<b>144</b>
Kentucky .....	792	606	68.1	80.4	.86	.94	147	145
Virginia .....	1,430	1,185	88.4	92.7	.74	.76	140	141
West Virginia .....	524	252	73.3	85.2	.70	.65	151	158
<b>Washington</b> .....	<b>972</b>	<b>1,332</b>	<b>99.6</b>	<b>71.2</b>	<b>.93</b>	<b>.74</b>	<b>188</b>	<b>157</b>
Montana .....	4	301	-	-	.53	.36	176	124
Utah .....	-	77	-	-	-	.29	-	125
Washington .....	968	948	100.0	100.0	.93	.94	188	174
Imported coal Canada .....	-	6	-	-	-	.48	-	166
<b>West Virginia</b> .....	<b>8,334</b>	<b>8,114</b>	<b>71.9</b>	<b>74.3</b>	<b>1.58</b>	<b>1.64</b>	<b>126</b>	<b>128</b>
Kentucky .....	116	120	100.0	100.0	.68	.59	194	187
Maryland .....	466	442	77.1	93.8	1.29	1.31	123	128
Ohio .....	131	412	-	-	3.28	3.27	81	88
Pennsylvania .....	252	106	60.2	-	1.31	1.94	127	91
West Virginia .....	7,370	7,034	72.9	78.1	1.59	1.58	126	130

See footnotes at end of table.



**Table 28. Destination of Coal Received at Electric Utility Plants by Origin, January-March 1996, 1995 (Continued)**

State of Destination State of Origin and Imports	Receipts (thousand short tons)		Contract Receipts (percent)		Sulfur Content (lbs. sulfur per MM Btu)		Price (cents per MM Btu)	
	1996	1995	1996	1995	1996	1995	1996	1995
<b>Wisconsin</b> .....	<b>5,204</b>	<b>4,749</b>	<b>77.8</b>	<b>53.8</b>	<b>0.47</b>	<b>0.43</b>	<b>104</b>	<b>113</b>
Colorado .....	60	—	—	—	.43	—	132	—
Illinois.....	4	79	—	—	1.38	1.00	145	153
Indiana.....	28	—	—	—	1.30	—	134	—
Montana.....	409	399	100.0	—	.68	.71	100	105
New Mexico.....	192	575	100.0	100.0	.45	.39	151	158
Pennsylvania.....	247	—	—	—	1.25	—	135	—
Utah.....	52	*	—	—	.43	.39	157	142
West Virginia.....	—	57	—	—	—	.51	—	153
Wyoming.....	4,213	3,638	81.9	54.4	.37	.38	96	101
<b>Wyoming</b> .....	<b>5,737</b>	<b>6,519</b>	<b>94.9</b>	<b>87.7</b>	<b>.59</b>	<b>.56</b>	<b>84</b>	<b>81</b>
Wyoming.....	5,737	6,519	94.9	87.7	.59	.56	84	81
<b>U.S. Total</b> .....	<b>204,046</b>	<b>205,054</b>	<b>81.4</b>	<b>81.3</b>	<b>1.09</b>	<b>1.05</b>	<b>130</b>	<b>133</b>

\* For quantity data, the number is less than 0.5 thousand short tons. For Contract Receipts (percent), the value is less than 0.05.

Notes: Total may not equal sum of components because of independent rounding. MM Btu represents million Btu.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

**Table 29. Origin of Coal Received at Electric Utility Plants by Destination, January-March 1996, 1995**

State of Origin and Imports State of Destination	Receipts (thousand short tons)		Contract Receipts (percent)		Sulfur Content (lbs. sulfur per MM Btu)		Price (cents per MM Btu)	
	1996	1995	1996	1995	1996	1995	1996	1995
<b>Alabama</b> .....	<b>4,014</b>	<b>3,583</b>	<b>93.0</b>	<b>98.8</b>	<b>0.93</b>	<b>0.90</b>	<b>176</b>	<b>181</b>
Alabama.....	3,894	3,583	95.9	98.8	.92	.90	178	181
Georgia.....	120	-	-	-	1.51	-	133	-
<b>Arizona</b> .....	<b>2,197</b>	<b>2,739</b>	<b>100.0</b>	<b>100.0</b>	<b>.48</b>	<b>.48</b>	<b>124</b>	<b>113</b>
Arizona.....	1,113	1,698	100.0	100.0	.49	.49	124	107
Nevada.....	1,084	1,041	100.0	100.0	.47	.46	123	122
<b>Colorado</b> .....	<b>4,765</b>	<b>5,441</b>	<b>83.0</b>	<b>83.8</b>	<b>.41</b>	<b>.40</b>	<b>126</b>	<b>132</b>
Colorado.....	2,683	3,043	94.6	89.7	.42	.40	113	109
Florida.....	139	201	100.0	100.0	.37	.32	191	184
Illinois.....	150	445	79.2	38.6	.40	.39	133	135
Iowa.....	151	41	86.5	100.0	.50	.44	130	126
Kansas.....	342	271	100.0	100.0	.41	.32	121	120
Kentucky.....	345	441	100.0	69.1	.42	.44	127	122
Missouri.....	-	203	-	100.0	-	.40	-	159
Nebraska.....	-	11	-	-	-	.37	-	110
Nevada.....	26	17	100.0	100.0	.43	.43	155	204
Tennessee.....	145	41	-	-	.45	.50	114	114
Texas.....	408	341	-	68.5	.37	.36	142	192
Utah.....	317	386	100.0	100.0	.38	.45	176	223
Wisconsin.....	60	-	-	-	.43	-	132	-
<b>Illinois</b> .....	<b>10,338</b>	<b>10,710</b>	<b>72.7</b>	<b>71.9</b>	<b>2.08</b>	<b>2.07</b>	<b>138</b>	<b>144</b>
Alabama.....	381	217	-	4.5	1.46	2.20	124	115
Florida.....	1,303	1,417	67.1	64.0	1.79	1.95	186	186
Georgia.....	274	322	-	-	.97	.92	146	163
Illinois.....	3,141	2,865	91.4	97.1	2.44	2.30	131	140
Indiana.....	2,778	2,919	84.7	76.2	2.20	2.19	136	142
Iowa.....	34	30	62.4	-	2.23	1.61	114	105
Kansas.....	47	69	42.9	86.2	2.50	2.00	140	274
Kentucky.....	22	83	-	26.7	3.10	3.13	90	97
Minnesota.....	16	2	100.0	100.0	1.32	.87	171	183
Mississippi.....	412	301	41.1	62.4	1.50	1.96	127	125
Missouri.....	800	1,181	95.9	97.0	2.33	1.90	132	138
Tennessee.....	1,126	1,227	38.0	29.3	1.72	1.96	111	114
Wisconsin.....	4	79	-	-	1.38	1.00	145	153
<b>Indiana</b> .....	<b>5,459</b>	<b>5,532</b>	<b>54.5</b>	<b>61.5</b>	<b>2.16</b>	<b>2.08</b>	<b>109</b>	<b>119</b>
Illinois.....	191	298	4.9	69.2	1.03	.85	144	148
Indiana.....	4,556	4,655	53.0	59.7	2.17	2.11	110	119
Iowa.....	21	-	-	-	1.13	-	121	-
Kentucky.....	551	565	100.0	73.5	2.77	2.42	90	102
Ohio.....	-	14	-	-	-	2.75	-	85
Tennessee.....	113	-	-	-	1.09	-	118	-
Wisconsin.....	28	-	-	-	1.30	-	134	-
<b>Kansas</b> .....	<b>47</b>	<b>106</b>	<b>100.0</b>	<b>100.0</b>	<b>2.23</b>	<b>2.96</b>	<b>131</b>	<b>131</b>
Kansas.....	27	31	100.0	100.0	2.01	2.60	130	130
Missouri.....	20	76	100.0	100.0	2.55	3.11	133	131
<b>Kentucky</b> .....	<b>27,894</b>	<b>28,985</b>	<b>72.4</b>	<b>81.1</b>	<b>1.36</b>	<b>1.27</b>	<b>137</b>	<b>147</b>
Alabama.....	965	1,067	59.7	46.6	1.44	1.52	122	129
Connecticut.....	189	192	100.0	100.0	.42	.42	191	186
Florida.....	3,128	3,017	71.7	76.5	1.16	1.11	174	183
Georgia.....	2,814	3,118	74.5	95.5	.76	.80	149	167
Illinois.....	133	260	81.2	72.0	.50	.47	170	166
Indiana.....	219	261	85.9	86.1	1.29	1.29	134	138
Kentucky.....	7,182	6,876	69.3	73.0	2.43	2.19	105	114
Maryland.....	244	73	65.6	100.0	.57	.57	152	155
Massachusetts.....	150	70	69.8	61.6	.53	.43	184	189
Michigan.....	853	1,243	98.7	85.8	.72	.69	166	168
Mississippi.....	183	204	94.2	100.0	.63	.71	205	212
Missouri.....	15	15	100.0	100.0	.50	.71	207	207
New Jersey.....	22	65	100.0	97.4	.48	.48	187	207
New York.....	244	245	80.7	95.8	.54	.45	195	197
North Carolina.....	2,999	2,332	69.1	94.6	.72	.64	151	173
Ohio.....	2,293	3,056	70.1	72.8	.75	.71	139	148
South Carolina.....	1,949	2,200	67.9	90.0	.92	.90	147	155
Tennessee.....	3,404	3,966	77.7	85.1	1.81	1.69	112	122
Virginia.....	792	606	68.1	80.4	.86	.94	147	145
West Virginia.....	116	120	100.0	100.0	.68	.59	194	187
<b>Louisiana</b> .....	<b>707</b>	<b>778</b>	<b>100.0</b>	<b>100.0</b>	<b>1.44</b>	<b>1.62</b>	<b>143</b>	<b>138</b>
Louisiana.....	707	778	100.0	100.0	1.44	1.62	143	138

See footnotes at end of table.

**Table 29. Origin of Coal Received at Electric Utility Plants by Destination, January-March 1996, 1995 (Continued)**

State of Origin and Imports State of Destination	Receipts (thousand short tons)		Contract Receipts (percent)		Sulfur Content (lbs. sulfur per MM Btu)		Price (cents per MM Btu)	
	1996	1995	1996	1995	1996	1995	1996	1995
<b>Maryland</b> .....	<b>736</b>	<b>629</b>	<b>74.9</b>	<b>92.4</b>	<b>1.22</b>	<b>1.23</b>	<b>138</b>	<b>140</b>
Delaware.....	22	-	100.0	-	1.16	-	149	-
Maryland.....	248	186	68.7	89.1	1.11	1.04	166	167
West Virginia.....	466	442	77.1	93.8	1.29	1.31	123	128
<b>Missouri</b> .....	<b>121</b>	<b>34</b>	<b>18.2</b>	<b>-</b>	<b>3.41</b>	<b>3.19</b>	<b>110</b>	<b>115</b>
Kansas.....	98	30	-	-	3.57	3.06	106	119
Missouri.....	23	4	95.0	-	2.77	4.32	127	78
<b>Montana</b> .....	<b>5,522</b>	<b>7,989</b>	<b>97.9</b>	<b>90.0</b>	<b>.63</b>	<b>.65</b>	<b>121</b>	<b>119</b>
Illinois.....	510	665	100.0	96.5	.39	.38	255	256
Indiana.....	217	159	100.0	100.0	.37	.38	254	260
Michigan.....	25	366	100.0	100.0	.60	.45	154	151
Minnesota.....	1,893	2,529	94.2	97.1	.59	.74	109	120
Mississippi.....	353	728	100.0	100.0	.44	.39	140	140
Montana.....	1,643	2,842	100.0	100.0	.78	.78	76	66
Nebraska.....	2	*	-	-	.43	.43	104	103
South Dakota.....	466	-	100.0	-	.74	-	92	-
Washington.....	4	301	-	-	.53	.36	176	124
Wisconsin.....	409	399	100.0	-	.68	.71	100	105
<b>New Mexico</b> .....	<b>5,319</b>	<b>6,735</b>	<b>93.7</b>	<b>90.7</b>	<b>.71</b>	<b>.71</b>	<b>161</b>	<b>156</b>
Arizona.....	2,086	2,562	84.0	75.5	.59	.55	176	164
New Mexico.....	3,042	3,597	100.0	100.0	.83	.91	151	151
Wisconsin.....	192	575	100.0	100.0	.45	.39	151	158
<b>North Dakota</b> .....	<b>6,192</b>	<b>6,511</b>	<b>100.0</b>	<b>100.0</b>	<b>1.08</b>	<b>1.15</b>	<b>73</b>	<b>74</b>
North Dakota.....	6,192	5,908	100.0	100.0	1.08	1.10	73	71
South Dakota.....	-	603	-	100.0	-	1.68	-	109
<b>Ohio</b> .....	<b>5,813</b>	<b>5,465</b>	<b>70.5</b>	<b>62.9</b>	<b>3.05</b>	<b>2.96</b>	<b>134</b>	<b>140</b>
Indiana.....	232	225	-	21.3	3.84	3.46	103	99
Kentucky.....	177	165	34.3	6.1	3.36	3.28	91	97
Michigan.....	20	46	100.0	100.0	2.20	2.62	157	173
Ohio.....	4,970	4,240	76.5	71.1	3.01	2.91	137	146
Pennsylvania.....	282	376	77.7	85.3	2.81	2.82	165	160
West Virginia.....	131	412	-	-	3.28	3.27	81	88
<b>Oklahoma</b> .....	<b>44</b>	<b>35</b>	<b>100.0</b>	<b>100.0</b>	<b>2.08</b>	<b>2.57</b>	<b>112</b>	<b>101</b>
Oklahoma.....	44	35	100.0	100.0	2.08	2.57	112	101
<b>Pennsylvania</b> .....	<b>11,657</b>	<b>9,735</b>	<b>63.8</b>	<b>56.3</b>	<b>1.39</b>	<b>1.43</b>	<b>132</b>	<b>134</b>
Alabama.....	136	-	100.0	-	1.80	-	111	-
Delaware.....	131	75	38.7	-	1.10	1.10	145	149
Indiana.....	63	39	-	100.0	1.63	1.81	109	101
Kentucky.....	129	107	-	-	1.26	1.90	103	103
Maryland.....	428	324	52.8	88.0	1.09	1.02	156	155
Massachusetts.....	26	28	100.0	100.0	.86	1.15	160	158
Michigan.....	547	559	73.9	64.4	1.19	1.14	117	137
New Hampshire.....	226	217	93.5	100.0	1.13	1.16	161	160
New York.....	709	692	86.4	7.1	1.27	1.24	134	136
Ohio.....	1,031	675	60.4	41.0	1.28	1.29	119	120
Pennsylvania.....	7,681	6,859	64.4	61.6	1.46	1.51	134	135
Tennessee.....	51	55	100.0	-	1.81	1.31	109	122
West Virginia.....	252	106	60.2	-	1.31	1.94	127	91
Wisconsin.....	247	-	-	-	1.25	-	135	-
<b>Tennessee</b> .....	<b>755</b>	<b>291</b>	<b>94.8</b>	<b>91.1</b>	<b>.94</b>	<b>.93</b>	<b>122</b>	<b>144</b>
Alabama.....	167	110	100.0	84.5	.70	.72	132	133
Florida.....	-	48	-	100.0	-	.88	-	230
Kentucky.....	-	9	-	-	-	1.99	-	116
South Carolina.....	6	-	-	-	1.11	-	147	-
Tennessee.....	582	125	94.3	100.0	1.00	1.04	119	125
<b>Texas</b> .....	<b>13,122</b>	<b>11,145</b>	<b>99.8</b>	<b>100.0</b>	<b>1.61</b>	<b>1.67</b>	<b>97</b>	<b>110</b>
Texas.....	13,122	11,145	99.8	100.0	1.61	1.67	97	110
<b>Utah</b> .....	<b>4,435</b>	<b>4,448</b>	<b>83.6</b>	<b>85.2</b>	<b>.42</b>	<b>.40</b>	<b>117</b>	<b>118</b>
Illinois.....	433	513	24.2	16.8	.39	.36	139	139
Kentucky.....	-	12	-	99.2	-	.52	-	144
Missouri.....	-	76	-	100.0	-	.30	-	127
Nevada.....	558	453	100.0	100.0	.39	.37	164	167
Tennessee.....	550	182	62.6	100.0	.40	.43	122	118
Utah.....	2,843	3,134	95.0	95.1	.43	.41	102	106
Washington.....	-	77	-	-	-	.29	-	125
Wisconsin.....	52	*	-	-	.43	.39	157	142
<b>Virginia</b> .....	<b>3,552</b>	<b>3,956</b>	<b>83.8</b>	<b>94.0</b>	<b>.79</b>	<b>.78</b>	<b>149</b>	<b>156</b>
Florida.....	217	105	100.0	100.0	.56	.58	216	214
Georgia.....	528	567	39.4	100.0	.65	.80	156	174

See footnotes at end of table.

**Table 29. Origin of Coal Received at Electric Utility Plants by Destination, January-March 1996, 1995 (Continued)**

State of Origin and Imports State of Destination	Receipts (thousand short tons)		Contract Receipts (percent)		Sulfur Content (lbs. sulfur per MM Btu)		Price (cents per MM Btu)	
	1996	1995	1996	1995	1996	1995	1996	1995
<b>Virginia</b>								
Indiana .....	250	278	100.0	100.0	0.53	0.55	155	139
Maryland.....	-	141	-	100.0	-	.51	-	180
Michigan.....	-	38	-	-	-	.63	-	148
New Jersey.....	179	244	100.0	100.0	.54	.56	183	166
North Carolina.....	349	916	74.0	93.1	.81	.84	128	164
Ohio.....	-	31	-	-	-	.59	-	141
South Carolina.....	286	265	100.0	93.0	1.13	1.06	152	154
Tennessee.....	312	185	100.0	100.0	1.41	1.17	126	126
Virginia.....	1,430	1,185	88.4	92.7	.74	.76	140	141
<b>Washington.....</b>	<b>968</b>	<b>948</b>	<b>100.0</b>	<b>100.0</b>	<b>.93</b>	<b>.94</b>	<b>188</b>	<b>174</b>
Washington.....	968	948	100.0	100.0	.93	.94	188	174
<b>West Virginia.....</b>	<b>24,660</b>	<b>23,507</b>	<b>75.1</b>	<b>78.0</b>	<b>1.22</b>	<b>1.20</b>	<b>142</b>	<b>144</b>
Alabama.....	664	895	45.8	63.1	1.37	1.19	128	131
Delaware.....	154	353	87.5	95.9	.58	.60	165	169
Florida.....	452	426	59.8	82.6	1.36	.87	169	177
Georgia.....	908	1,082	54.8	65.9	.57	.57	184	197
Indiana.....	211	154	69.3	57.9	1.20	.70	149	153
Kentucky.....	1,281	1,075	68.0	68.7	.94	.67	116	120
Maryland.....	1,974	1,502	63.6	78.8	.80	.72	148	147
Massachusetts.....	471	458	76.6	48.7	.56	.55	180	175
Michigan.....	810	1,056	84.0	82.6	.73	.68	157	162
New Hampshire.....	79	89	100.0	83.5	1.72	1.45	143	145
New Jersey.....	304	79	92.9	100.0	1.36	1.40	172	183
New York.....	852	1,008	100.0	85.3	1.59	1.72	135	132
North Carolina.....	2,000	1,363	84.3	100.0	.63	.57	166	172
Ohio.....	4,282	4,472	72.6	69.3	.79	.88	137	137
Pennsylvania.....	2,325	2,094	95.9	99.3	2.30	2.32	153	146
South Carolina.....	-	1	-	100.0	-	.70	-	180
Tennessee.....	-	56	-	-	-	1.29	-	118
Virginia.....	524	252	73.3	85.2	.70	.65	151	158
West Virginia.....	7,370	7,034	72.9	78.1	1.59	1.58	126	130
Wisconsin.....	-	57	-	-	-	.51	-	153
<b>Wyoming.....</b>	<b>64,678</b>	<b>64,326</b>	<b>85.1</b>	<b>80.5</b>	<b>.41</b>	<b>.40</b>	<b>119</b>	<b>120</b>
Alabama.....	816	573	95.4	-	.37	.41	112	119
Arkansas.....	3,500	3,256	95.2	96.9	.39	.39	152	162
Colorado.....	1,454	1,354	100.0	100.0	.37	.38	92	89
Georgia.....	1,865	1,706	-	-	.50	.43	152	152
Illinois.....	3,573	3,371	93.4	94.0	.34	.32	202	206
Indiana.....	4,858	4,419	88.6	94.4	.35	.36	115	115
Iowa.....	4,333	4,652	81.6	78.2	.44	.45	92	98
Kansas.....	3,802	3,686	69.8	71.1	.45	.43	97	99
Louisiana.....	2,321	2,443	100.0	100.0	.51	.46	154	159
Michigan.....	1,784	1,492	68.3	86.6	.31	.28	109	111
Minnesota.....	2,268	2,039	91.6	88.5	.32	.29	110	120
Missouri.....	6,710	6,282	81.8	86.1	.31	.30	88	88
Nebraska.....	2,852	2,898	71.4	78.3	.39	.38	73	75
Nevada.....	81	139	100.0	100.0	.49	.55	192	220
Oklahoma.....	4,605	4,912	95.0	58.0	.39	.41	100	99
Oregon.....	-	531	-	-	-	.38	-	112
Texas.....	9,906	10,415	92.2	94.0	.42	.42	163	160
Wisconsin.....	4,213	3,638	81.9	54.4	.37	.38	96	101
Wyoming.....	5,737	6,519	94.9	87.7	.59	.56	84	81
<b>Imported Coal.....</b>	<b>1,052</b>	<b>1,426</b>	<b>87.6</b>	<b>72.2</b>	<b>.57</b>	<b>.57</b>	<b>172</b>	<b>169</b>
<b>Canada.....</b>	<b>-</b>	<b>6</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>.48</b>	<b>-</b>	<b>166</b>
Washington.....	-	6	-	-	-	.48	-	166
<b>Colombia.....</b>	<b>529</b>	<b>611</b>	<b>80.6</b>	<b>84.6</b>	<b>.53</b>	<b>.57</b>	<b>153</b>	<b>153</b>
Florida.....	304	464	100.0	94.2	.54	.59	153	148
Massachusetts.....	192	119	63.4	66.5	.51	.50	152	169
New Hampshire.....	32	27	-	-	.54	.54	162	162
<b>Venezuela.....</b>	<b>447</b>	<b>595</b>	<b>93.7</b>	<b>86.1</b>	<b>.69</b>	<b>.61</b>	<b>196</b>	<b>193</b>
Florida.....	227	244	100.0	100.0	.77	.77	233	233
Georgia.....	28	-	-	-	.87	-	193	-
Massachusetts.....	192	269	100.0	100.0	.57	.51	154	164
New Hampshire.....	-	54	-	-	-	.53	-	155
New York.....	-	28	-	-	-	.42	-	224

See footnotes at end of table.

**Table 29. Origin of Coal Received at Electric Utility Plants by Destination, January-March 1996, 1995 (Continued)**

State of Origin and Imports State of Destination	Receipts (thousand short tons)		Contract Receipts (percent)		Sulfur Content (lbs. sulfur per MM Btu)		Price (cents per MM Btu)	
	1996	1995	1996	1995	1996	1995	1996	1995
<b>Imported Coal</b>								
Indonesia .....	77	214	100.0	-	0.11	0.42	150	140
Florida .....	77	214	100.0	-	.11	.42	150	140
<b>U.S. Total.....</b>	<b>204,046</b>	<b>205,054</b>	<b>81.4</b>	<b>81.3</b>	<b>1.09</b>	<b>1.05</b>	<b>130</b>	<b>133</b>

\* For quantity data, the number is less than 0.5 thousand short tons. For Contract Receipts (percent), the value is less than 0.05.

Notes: Total may not equal sum of components because of independent rounding. MM Btu represents million Btu.

Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

**Table 30. Coal Receipts at Coke Plants  
(Thousand Short Tons)**

Coal Receipts	January - March 1996	October - December 1995	January - March 1995	Year to Date		
				1996	1995	Percent Change
<b>By State</b>						
Alabama.....	827	758	826	827	826	0.1
Illinois.....	w	w	w	w	w	w
Indiana.....	1,547	1,416	1,376	1,547	1,376	12.4
Kentucky.....	w	w	w	w	w	w
Michigan.....	w	w	w	w	w	w
New York.....	w	w	w	w	w	w
Ohio.....	411	616	730	411	730	-43.8
Pennsylvania.....	2,718	2,842	2,901	2,718	2,901	-6.3
Utah.....	w	w	w	w	w	w
Virginia.....	w	w	w	w	w	w
West Virginia.....	w	w	w	w	w	w
<b>By Plant Type</b>						
Merchant Coke Plants.....	1,037	1,035	1,050	1,037	1,050	-1.2
Furnace Coke Plants.....	6,871	7,414	7,211	6,871	7,211	-4.7
<b>U.S. Total.....</b>	<b>7,908</b>	<b>8,449</b>	<b>8,261</b>	<b>7,908</b>	<b>8,261</b>	<b>-4.3</b>

<sup>w</sup> Withheld to avoid disclosure of individual company data.

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

Source: Energy Information Administration, Form EIA-5, "Coke Plant Report - Quarterly."

**Table 31. Average Price of Coal Receipts at Coke Plants**  
(Dollars per Short Ton)

Average Price <sup>1</sup>	January - March 1996	October - December 1995	January - March 1995	Year to Date		
				1996	1995	Percent Change
<b>By State</b>						
Alabama.....	\$49.36	\$48.39	\$48.45	\$49.36	\$48.45	1.9
Illinois.....	w	w	w	w	w	w
Indiana.....	\$50.42	\$53.53	\$52.42	\$50.42	\$52.42	-3.8
Kentucky.....	w	w	w	w	w	w
Michigan.....	w	w	w	w	w	w
New York.....	w	w	w	w	w	w
Ohio.....	\$44.12	\$42.47	\$41.57	\$44.12	\$41.57	6.1
Pennsylvania.....	45.99	46.49	45.83	45.99	45.83	.3
Utah.....	w	w	w	w	w	w
Virginia.....	w	w	w	w	w	w
West Virginia.....	w	w	w	w	w	w
<b>By Plant Type</b>						
Merchant Coke Plants.....	\$49.30	\$48.20	\$48.54	\$49.30	\$48.54	1.6
Furnace Coke Plants.....	47.19	47.47	47.00	47.19	47.00	.4
<b>U.S. Total.....</b>	<b>47.47</b>	<b>47.56</b>	<b>47.19</b>	<b>47.47</b>	<b>47.19</b>	<b>.6</b>

<sup>1</sup> Based on the cost including insurance and freight (c.i.f. cost).

<sup>w</sup> Withheld to avoid disclosure of individual company data.

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

Source: Energy Information Administration, Form EIA-5, "Coke Plant Report - Quarterly."

**Table 32. Coal Receipts at Other Industrial Plants by Census Division and State**  
(Thousand Short Tons)

Census Division and State	January - March 1996	October - December 1995	January - March 1995	Year to Date		
				1996	1995	Percent Change
<b>New England Total</b> .....	<b>62</b>	<b>88</b>	<b>84</b>	<b>62</b>	<b>84</b>	<b>-25.8</b>
Connecticut.....	w	w	w	w	w	w
Maine.....	w	w	w	w	w	w
Massachusetts.....	w	w	w	w	w	w
New Hampshire.....	w	w	w	w	w	w
Rhode Island.....	w	w	w	w	w	w
Vermont.....	w	w	w	w	w	w
<b>Middle Atlantic Total</b> .....	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>
New Jersey.....	w	w	w	w	w	w
New York.....	284	387	260	284	260	9.0
Pennsylvania.....	1,043	1,015	1,029	1,043	1,029	1.4
<b>East North Central Total</b> .....	<b>3,876</b>	<b>4,104</b>	<b>3,645</b>	<b>3,876</b>	<b>3,645</b>	<b>6.4</b>
Illinois.....	946	937	886	946	886	6.8
Indiana.....	1,126	1,105	918	1,126	918	22.8
Michigan.....	403	654	464	403	464	-13.1
Ohio.....	1,010	941	1,003	1,010	1,003	.7
Wisconsin.....	391	466	374	391	374	4.4
<b>West North Central Total</b> .....	<b>3,359</b>	<b>3,311</b>	<b>3,284</b>	<b>3,359</b>	<b>3,284</b>	<b>2.3</b>
Iowa.....	551	629	581	551	581	-5.1
Kansas.....	41	36	38	41	38	6.7
Minnesota.....	546	298	394	546	394	38.6
Missouri.....	284	280	256	284	256	11.2
Nebraska.....	w	w	w	w	w	w
North Dakota.....	w	w	w	w	w	w
South Dakota.....	w	w	w	w	w	w
<b>South Atlantic Total</b> .....	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>
Delaware.....	w	w	w	w	w	w
District of Columbia.....	-	-	-	-	-	-
Florida.....	325	337	313	325	313	3.9
Georgia.....	527	491	585	527	585	-9.8
Maryland.....	190	186	178	190	178	6.3
North Carolina.....	636	571	697	636	697	-8.7
South Carolina.....	565	541	551	565	551	2.5
Virginia.....	666	699	689	666	689	-3.4
West Virginia.....	432	486	639	432	639	-32.4
<b>East South Central Total</b> .....	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>
Alabama.....	671	587	570	671	570	17.7
Kentucky.....	529	649	439	529	439	20.4
Mississippi.....	w	w	w	w	w	w
Tennessee.....	983	936	978	983	978	.5
<b>West South Central Total</b> .....	<b>1,423</b>	<b>1,600</b>	<b>1,633</b>	<b>1,423</b>	<b>1,633</b>	<b>-12.9</b>
Arkansas.....	85	74	88	85	88	-3.7
Louisiana.....	w	w	w	w	w	w
Oklahoma.....	w	w	w	w	w	w
Texas.....	1,128	1,107	1,080	1,128	1,080	4.4
<b>Mountain Total</b> .....	<b>1,044</b>	<b>1,424</b>	<b>1,405</b>	<b>1,044</b>	<b>1,405</b>	<b>-25.7</b>
Arizona.....	165	155	173	165	173	-4.7
Colorado.....	154	231	164	154	164	-6.4
Idaho.....	66	115	138	66	138	-52.2
Montana.....	w	w	w	w	w	w
Nevada.....	w	w	w	w	w	w
New Mexico.....	w	w	w	w	w	w
Utah.....	90	166	193	90	193	-53.5
Wyoming.....	481	485	508	481	508	-5.3
<b>Pacific Total</b> .....	<b>625</b>	<b>862</b>	<b>774</b>	<b>625</b>	<b>774</b>	<b>-19.3</b>
Alaska.....	1	-	-	1	-	-
California.....	532	705	663	532	663	-19.8
Hawaii.....	w	w	w	w	w	w
Oregon.....	w	w	w	w	w	w
Washington.....	35	60	47	35	47	-25.2
<b>U.S. Total</b> .....	<b>17,351</b>	<b>18,402</b>	<b>17,859</b>	<b>17,351</b>	<b>17,859</b>	<b>-2.8</b>

<sup>w</sup> Withheld to avoid disclosure of individual company data.

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

Sources: Energy Information Administration, Form EIA-3, "Quarterly Coal Consumption-Manufacturing Plants," Form EIA-867, "Annual Nonutility Power Producer Report," and Form EIA-7A, "Coal Production Report."

**Table 33. Average Price of Coal Receipts at Other Industrial Plants by Census Division and State**  
(Dollars per Short Ton)

Census Division and State	January - March 1996	October - December 1995	January - March 1995	Year to Date		
				1996	1995	Percent Change
<b>New England Total</b> .....	<b>\$57.94</b>	<b>\$54.23</b>	<b>\$58.92</b>	<b>\$57.94</b>	<b>\$58.92</b>	<b>-1.7</b>
Connecticut.....	w	w	w	w	w	w
Maine.....	w	w	w	w	w	w
Massachusetts.....	w	w	w	w	w	w
New Hampshire.....	w	w	w	w	w	w
Rhode Island.....	w	w	w	w	w	w
Vermont.....	w	w	w	w	w	w
<b>Middle Atlantic Total</b> .....	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>
New Jersey.....	w	w	w	w	w	w
New York.....	\$40.28	\$41.29	\$41.27	\$40.28	\$41.27	-2.4
Pennsylvania.....	34.08	34.09	34.72	34.08	34.72	-1.8
<b>East North Central Total</b> .....	<b>34.90</b>	<b>34.97</b>	<b>35.14</b>	<b>34.90</b>	<b>35.14</b>	<b>-7</b>
Illinois.....	29.60	29.31	28.72	29.60	28.72	3.1
Indiana.....	32.68	33.48	32.43	32.68	32.43	.8
Michigan.....	43.74	40.89	45.07	43.74	45.07	-3.0
Ohio.....	36.20	34.82	36.76	36.20	36.76	-1.5
Wisconsin.....	41.89	40.35	40.82	41.89	40.82	2.6
<b>West North Central Total</b> .....	<b>18.59</b>	<b>18.88</b>	<b>18.38</b>	<b>18.59</b>	<b>18.38</b>	<b>1.2</b>
Iowa.....	26.66	29.19	26.53	26.66	26.53	.5
Kansas.....	33.49	32.34	33.33	33.49	33.33	.5
Minnesota.....	29.93	32.87	34.61	29.93	34.61	-13.5
Missouri.....	32.89	33.26	33.32	32.89	33.32	-1.3
Nebraska.....	w	w	w	w	w	w
North Dakota.....	w	w	w	w	w	w
South Dakota.....	w	w	w	w	w	w
<b>South Atlantic Total</b> .....	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>
Delaware.....	w	w	w	w	w	w
District of Columbia.....	-	-	-	-	-	-
Florida.....	\$45.72	\$46.56	\$46.68	\$45.72	\$46.68	-2.1
Georgia.....	44.56	44.63	44.61	44.56	44.61	-1
Maryland.....	32.13	31.83	31.59	32.13	31.59	1.7
North Carolina.....	43.11	43.32	42.83	43.11	42.83	.6
South Carolina.....	43.48	43.51	42.75	43.48	42.75	1.7
Virginia.....	43.10	42.47	42.68	43.10	42.68	1.0
West Virginia.....	33.70	33.04	34.56	33.70	34.56	-2.5
<b>East South Central Total</b> .....	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>
Alabama.....	\$40.27	\$39.72	\$39.48	\$40.27	\$39.48	2.0
Kentucky.....	43.79	43.22	44.63	43.79	44.63	-1.9
Mississippi.....	w	w	w	w	w	w
Tennessee.....	\$35.58	\$35.85	\$35.25	\$35.58	\$35.25	.9
<b>West South Central Total</b> .....	<b>21.43</b>	<b>21.78</b>	<b>22.43</b>	<b>21.43</b>	<b>22.43</b>	<b>-4.5</b>
Arkansas.....	44.06	44.23	43.55	44.06	43.55	1.2
Louisiana.....	w	w	w	w	w	w
Oklahoma.....	w	w	w	w	w	w
Texas.....	\$18.30	\$19.19	\$19.08	\$18.30	\$19.08	-4.1
<b>Mountain Total</b> .....	<b>26.89</b>	<b>26.05</b>	<b>28.24</b>	<b>26.89</b>	<b>28.24</b>	<b>-4.8</b>
Arizona.....	39.65	38.06	42.10	39.65	42.10	-5.8
Colorado.....	24.55	23.89	26.05	24.55	26.05	-5.8
Idaho.....	33.85	34.27	33.73	33.85	33.73	.3
Montana.....	w	w	w	w	w	w
Nevada.....	w	w	w	w	w	w
New Mexico.....	w	w	w	w	w	w
Utah.....	\$20.90	\$20.11	\$25.30	\$20.90	\$25.30	-17.4
Wyoming.....	22.51	22.83	22.87	22.51	22.87	-1.6
<b>Pacific Total</b> .....	<b>42.03</b>	<b>41.54</b>	<b>44.33</b>	<b>42.03</b>	<b>44.33</b>	<b>-5.2</b>
Alaska.....	-	-	-	-	-	-
California.....	39.04	39.87	42.97	39.04	42.97	-9.2
Hawaii.....	w	w	w	w	w	w
Oregon.....	w	w	w	w	w	w
Washington.....	\$60.32	\$57.76	\$57.94	\$60.32	\$57.94	4.1
<b>U.S. Total</b> .....	<b>32.46</b>	<b>32.32</b>	<b>32.51</b>	<b>32.46</b>	<b>32.51</b>	<b>-1</b>

<sup>w</sup> Withheld to avoid disclosure of individual company data.

Note: Total may not equal sum of components because of independent rounding. Price data are for manufacturing plants only.

Sources: Energy Information Administration, Form EIA-3, "Quarterly Coal Consumption-Manufacturing Plants".



**Table 34. U.S. Coal Receipts at Manufacturing Plants by Standard Industrial Classification (SIC) Code**  
(Thousand Short Tons)

SIC Code	January - March 1996	October - December 1995	January - March 1995	Year to Date		
				1996	1995	Percent Change
20 Food and kindred products .....	1,923	2,268	2,165	1,923	2,165	-11.2
21 Tobacco products .....	154	168	158	154	158	-2.2
22 Textile mill products .....	311	265	324	311	324	-4.0
23 Apparel, other textile products .....	w	w	w	w	w	w
24 Lumber and wood products .....	*	1	*	*	*	5.9
25 Furniture and fixtures .....	18	11	15	18	15	17.1
26 Paper and allied products .....	3,332	3,208	3,277	3,332	3,277	1.7
27 Printing and publishing .....	w	w	w	w	w	w
28 Chemicals, allied products .....	3,357	3,200	3,366	3,357	3,366	-3
29 Petroleum and coal products <sup>1</sup> .....	1,823	1,850	1,980	1,823	1,980	-7.9
30 Rubber, misc. plastic products .....	60	60	74	60	74	-18.1
31 Leather, leather products .....	w	w	w	w	w	w
32 Stone, clay, glass products .....	2,739	3,463	2,704	2,739	2,704	1.3
33 Primary metal industries <sup>2</sup> .....	1,875	1,947	1,616	1,875	1,616	16.0
34 Fabricated metal products .....	85	95	90	85	90	-5.6
35 Machinery, except electric .....	98	103	101	98	101	-2.7
36 Electric, electronic equipment .....	55	33	45	55	45	22.8
37 Transportation equipment .....	w	w	w	w	w	w
38 Instruments, related products .....	w	w	w	w	w	w
39 Misc. manufacturing industries .....	w	w	w	w	w	w
<b>U.S. Total .....</b>	<b>16,439</b>	<b>17,208</b>	<b>16,590</b>	<b>16,439</b>	<b>16,590</b>	<b>-9</b>

<sup>1</sup> Includes coal gasification projects.

<sup>2</sup> Excludes coke plants.

\* Rounded to zero.

<sup>w</sup> Withheld to avoid disclosure of individual company data.

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

Source: Energy Information Administration, Form EIA-3, "Quarterly Coal Consumption Report - Manufacturing Plants."

**Table 35. Average Price of U.S. Coal Receipts at Manufacturing Plants  
by Standard Industrial Classification (SIC) Code  
(Dollars per Short Ton)**

SIC Code	January - March 1996	October - December 1995	January - March 1995	Percent Difference January - March: 1996 versus 1995
20 Food and kindred products.....	\$29.81	\$30.38	\$30.18	-1.2
21 Tobacco products.....	44.91	45.84	46.70	-3.8
22 Textile mill products .....	46.53	46.45	46.33	.4
23 Apparel, other textile products.....	w	w	w	w
24 Lumber and wood products .....	\$51.27	\$46.43	\$51.25	*
25 Furniture and fixtures .....	51.02	50.39	50.54	.9
26 Paper and allied products .....	39.34	39.25	38.68	1.7
27 Printing and publishing .....	w	w	w	w
28 Chemicals, allied products .....	\$34.43	\$34.26	\$34.71	-8
29 Petroleum and coal products <sup>1</sup> .....	11.75	10.94	12.36	-4.9
30 Rubber, misc. plastic products.....	35.23	34.56	37.44	-5.9
31 Leather, leather products .....	w	w	w	w
32 Stone, clay, glass products .....	\$36.19	\$35.49	\$36.05	.4
33 Primary metal industries <sup>2</sup> .....	26.27	27.85	27.33	-3.9
34 Fabricated metal products .....	46.60	46.28	46.61	*
35 Machinery, except electric .....	32.70	33.89	33.12	-1.3
36 Electric, electronic equipment.....	44.88	44.06	43.85	2.3
37 Transportation equipment.....	w	w	w	w
38 Instruments, related products .....	w	w	w	w
39 Misc. manufacturing industries .....	w	w	w	w
<b>U.S. Total .....</b>	<b>\$32.46</b>	<b>\$32.32</b>	<b>\$32.51</b>	<b>-2</b>

<sup>1</sup> Includes coal gasification projects.

<sup>2</sup> Excludes coke plants.

\* Rounded to zero.

<sup>w</sup> Withheld to avoid disclosure of individual company data.

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

Source: Energy Information Administration, Form EIA-3, "Quarterly Coal Consumption Report - Manufacturing Plants."

**Table 36. Coal Receipts by the Residential and Commercial Sector by Census Division and State**  
(Thousand Short Tons)

Census Division and State	January - March 1996	October - December 1995	January - March 1995	Year to Date		
				1996	1995	Percent Change
<b>New England Total</b> .....	<b>21</b>	<b>43</b>	<b>8</b>	<b>21</b>	<b>8</b>	<b>152.1</b>
Connecticut.....	w	w	w	w	w	w
Maine.....	w	w	w	w	w	w
Massachusetts.....	w	w	w	w	w	w
New Hampshire.....	w	w	w	w	w	w
Rhode Island.....	w	w	w	w	w	w
Vermont.....	w	w	w	w	w	w
<b>Middle Atlantic Total</b> .....	<b>414</b>	<b>463</b>	<b>397</b>	<b>414</b>	<b>397</b>	<b>4.2</b>
New Jersey.....	w	w	w	w	w	w
New York.....	w	w	w	w	w	w
Pennsylvania.....	345	389	337	345	337	2.5
<b>East North Central Total</b> .....	<b>390</b>	<b>420</b>	<b>413</b>	<b>390</b>	<b>413</b>	<b>-5.4</b>
Illinois.....	w	w	w	w	w	w
Indiana.....	86	98	94	86	94	-9.0
Michigan.....	w	w	w	w	w	w
Ohio.....	123	190	109	123	109	12.7
Wisconsin.....	w	w	w	w	w	w
<b>West North Central Total</b> .....	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>
Iowa.....	27	6	*	27	*	NM
Kansas.....	28	74	*	28	*	NM
Minnesota.....	79	51	75	79	75	5.9
Missouri.....	w	w	w	w	w	w
Nebraska.....	w	w	w	w	w	w
North Dakota.....	w	w	w	w	w	w
South Dakota.....	w	w	w	w	w	w
<b>South Atlantic Total</b> .....	<b>286</b>	<b>416</b>	<b>233</b>	<b>286</b>	<b>233</b>	<b>22.7</b>
Delaware.....	w	w	w	w	w	w
District of Columbia.....	2	3	*	2	*	NM
Florida.....	*	1	*	*	*	217.1
Georgia.....	18	6	33	18	33	-46.6
Maryland.....	w	w	w	w	w	w
North Carolina.....	67	55	81	67	81	-17.6
South Carolina.....	5	2	14	5	14	-63.2
Virginia.....	w	w	w	w	w	w
West Virginia.....	w	w	w	w	w	w
<b>East South Central Total</b> .....	<b>85</b>	<b>83</b>	<b>96</b>	<b>85</b>	<b>96</b>	<b>-11.9</b>
Alabama.....	2	5	1	2	1	105.2
Kentucky.....	w	w	w	w	w	w
Mississippi.....	w	w	w	w	w	w
Tennessee.....	w	w	w	w	w	w
<b>West South Central Total</b> .....	<b>5</b>	<b>*</b>	<b>15</b>	<b>5</b>	<b>15</b>	<b>-66.8</b>
Arkansas.....	-	-	-	-	-	-
Louisiana.....	w	w	w	w	w	w
Oklahoma.....	w	w	w	w	w	w
Texas.....	-	-	-	-	-	-
<b>Mountain Total</b> .....	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>
Arizona.....	2	*	*	2	*	293.0
Colorado.....	6	7	4	6	4	68.1
Idaho.....	12	13	9	12	9	28.5
Montana.....	w	w	w	w	w	w
Nevada.....	w	w	w	w	w	w
New Mexico.....	w	w	w	w	w	w
Utah.....	w	w	w	w	w	w
Wyoming.....	44	58	66	44	66	-33.8
<b>Pacific Total</b> .....	<b>220</b>	<b>246</b>	<b>171</b>	<b>220</b>	<b>171</b>	<b>29.1</b>
Alaska.....	157	182	153	157	153	2.6
California.....	40	42	*	40	*	NM
Hawaii.....	-	-	-	-	-	-
Oregon.....	*	*	*	*	*	145.1
Washington.....	23	21	18	23	18	33.4
<b>U.S. Total</b> .....	<b>1,747</b>	<b>2,091</b>	<b>1,638</b>	<b>1,747</b>	<b>1,638</b>	<b>6.6</b>

\* Rounded to zero.

NM Percent change calculation not meaningful as value is greater than 500.

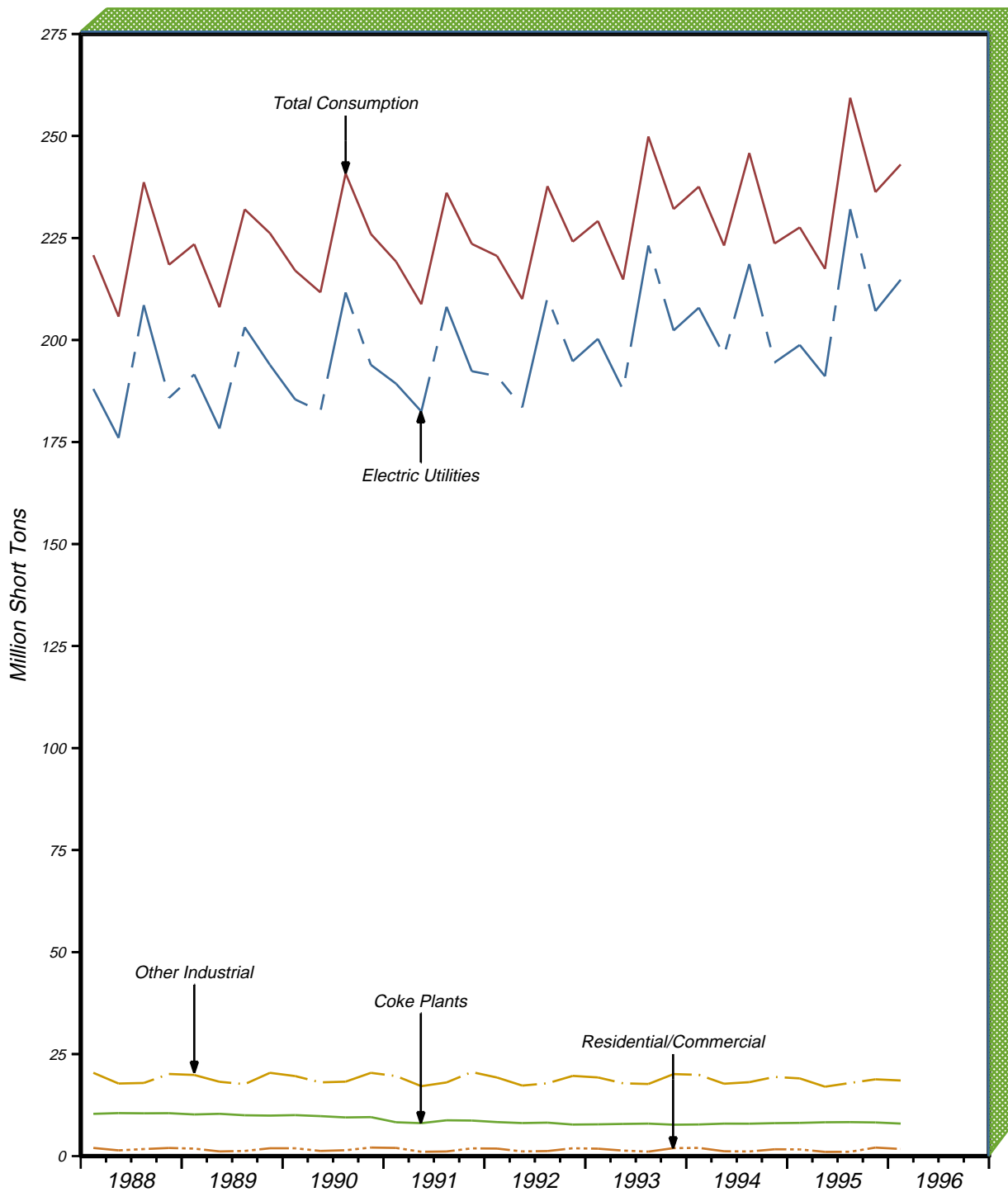
w Withheld to avoid disclosure of individual company data.

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

Source: Energy Information Administration, Form EIA-6, "Coal Distribution Report".

# Consumption

**Figure 7. Quarterly U.S. Coal Consumption, 1988-1996**



Note: Each increment represents end-of-quarter data.  
 Sources: Energy Information Administration (EIA), Electric Utilities: Form EIA-759, "Monthly Power Plant Report;" Coke Plants: Form EIA-5, "Coke Plant Report - Quarterly;" Other Industrial: Form EIA-3, "Quarterly Coal Consumption Report - Manufacturing Plants;" Form EIA-867, "Annual Nonutility Power Producer Report;" and, Form EIA-7A, "Coal Production Report;" Residential and Commercial: Form EIA-6, "Coal Distribution Report."

**Table 37. U.S. Coal Consumption by End-Use Sector 1988-1996**  
(Thousand Short Tons)

Year and Quarter	Electric Utilities	Coke Plants	Other Industrial	Residential and Commercial	Total
<b>1988 January - March</b> .....	188,009	10,357	20,416	2,004	220,787
April - June .....	176,007	10,536	17,786	1,406	205,735
July - September .....	208,542	10,483	17,923	1,725	238,672
October - December .....	185,814	10,512	20,127	1,994	218,448
<b>Total</b> .....	<b>758,372</b>	<b>41,888</b>	<b>76,252</b>	<b>7,130</b>	<b>883,642</b>
<b>1989 January - March</b> .....	191,556	10,208	19,885	1,837	223,486
April - June .....	178,306	10,365	18,211	1,143	208,025
July - September .....	203,123	10,008	17,631	1,264	232,026
October - December .....	193,903	9,927	20,408	1,924	226,163
<b>Total</b> .....	<b>766,888</b>	<b>40,508</b>	<b>76,134</b>	<b>6,167</b>	<b>889,699</b>
<b>1990 January - March</b> .....	185,438	10,044	19,612	1,920	217,014
April - June .....	182,537	9,795	18,069	1,265	211,666
July - September .....	211,658	9,476	18,244	1,443	240,821
October - December .....	193,915	9,562	20,405	2,096	225,978
<b>Total</b> .....	<b>773,549</b>	<b>38,877</b>	<b>76,330</b>	<b>6,724</b>	<b>895,480</b>
<b>1991 January - March</b> .....	189,291	8,291	19,618	2,008	219,208
April - June .....	182,488	8,075	17,139	1,055	208,757
July - September .....	208,133	8,777	18,051	1,132	236,093
October - December .....	192,356	8,711	20,596	1,899	223,562
<b>Total</b> .....	<b>772,268</b>	<b>33,854</b>	<b>75,405</b>	<b>6,094</b>	<b>887,621</b>
<b>1992 January - March</b> .....	191,151	8,340	19,260	1,843	220,594
April - June .....	183,507	8,097	17,284	1,149	210,037
July - September .....	210,419	8,200	17,843	1,236	237,698
October - December .....	194,783	7,729	19,656	1,925	224,093
<b>Total</b> .....	<b>779,860</b>	<b>32,366</b>	<b>74,042</b>	<b>6,153</b>	<b>892,421</b>
<b>1993 January - March</b> .....	200,285	7,783	19,281	1,817	229,165
April - June .....	187,746	7,886	17,834	1,354	214,820
July - September .....	223,142	7,960	17,675	1,094	249,872
October - December .....	202,335	7,694	20,102	1,956	232,087
<b>Total</b> .....	<b>813,508</b>	<b>31,323</b>	<b>74,892</b>	<b>6,221</b>	<b>925,944</b>
<b>1994 January - March</b> .....	207,915	7,754	19,911	2,016	237,596
April - June .....	196,254	7,965	17,739	1,187	223,145
July - September .....	218,616	7,945	18,123	1,135	245,820
October - December .....	194,484	8,077	19,405	1,674	223,640
<b>Total</b> .....	<b>817,270</b>	<b>31,740</b>	<b>75,179</b>	<b>6,013</b>	<b>930,201</b>
<b>1995 January - March</b> .....	198,782	8,140	19,043	1,638	227,604
April - June .....	191,107	8,291	17,009	1,032	217,439
July - September .....	232,033	8,330	17,928	1,063	259,353
October - December .....	207,085	8,251	18,816	2,091	236,243
<b>Total</b> .....	<b>829,007</b>	<b>33,011</b>	<b>72,796</b>	<b>5,824</b>	<b>940,638</b>
<b>1996 January - March</b> .....	214,769	7,973	18,529	1,747	243,018
<b>Total</b> .....	<b>214,769</b>	<b>7,973</b>	<b>18,529</b>	<b>1,747</b>	<b>243,018</b>

Notes: Consumption data for 1989 through 1996 exclude an EIA estimated 4 million short tons per quarter which are consumed by independent power producers to generate electricity and cogeneration plants not included in the other industrial, coke, and commercial sectors. In 1989, 1990, 1991, 1992, 1993, 1994, 1995, and 1996, these excluded EIA quarterly estimated consumption data are: 219, 400, 1500, 2500, 3086, 3785, 4500, and 5000 thousand short tons, respectively. Total may not equal sum of components because of independent rounding.

Sources: Energy Information Administration (EIA) • Electric Utilities: Form EIA-759, "Monthly Power Plant Report" • Coke Plants: Form EIA-5, "Coke Plant Report - Quarterly" • Other Industrial: Form EIA-3, "Quarterly Coal Consumption Report - Manufacturing Plants"; Form EIA-867, "Annual Non-utility Power Producer Report"; and Form EIA-7A, "Coal Production Report." • Residential and Commercial: Form EIA-6, "Coal Distribution Report."

**Table 38. Coal Consumption by Census Division and State**  
(Thousand Short Tons)

Census Division and State	January - March 1996	October - December 1995	January - March 1995	Year to Date		
				1996	1995	Percent Change
<b>New England Total</b> .....	<b>1,740</b>	<b>1,771</b>	<b>1,682</b>	<b>1,740</b>	<b>1,682</b>	<b>3.4</b>
Connecticut .....	252	251	248	252	248	1.6
Maine .....	54	83	63	54	63	-13.9
Massachusetts .....	1,034	1,087	982	1,034	982	5.3
New Hampshire .....	399	347	389	399	389	2.5
Rhode Island .....	1	1	*	1	*	110.1
Vermont .....	1	1	1	1	1	50.6
<b>Middle Atlantic Total</b> .....	<b>18,120</b>	<b>17,193</b>	<b>17,274</b>	<b>18,120</b>	<b>17,274</b>	<b>4.9</b>
New Jersey .....	699	537	433	699	433	61.6
New York .....	2,933	2,685	2,878	2,933	2,878	1.9
Pennsylvania .....	14,488	13,970	13,963	14,488	13,963	3.8
<b>East North Central Total</b> .....	<b>57,378</b>	<b>53,752</b>	<b>53,698</b>	<b>57,378</b>	<b>53,698</b>	<b>6.9</b>
Illinois .....	10,246	9,458	9,864	10,246	9,864	3.9
Indiana .....	16,311	15,699	15,681	16,311	15,681	4.0
Michigan .....	9,289	8,866	8,820	9,289	8,820	5.3
Ohio .....	15,449	13,719	14,077	15,449	14,077	9.8
Wisconsin .....	6,083	6,010	5,256	6,083	5,256	15.7
<b>West North Central Total</b> .....	<b>36,005</b>	<b>33,063</b>	<b>33,182</b>	<b>36,005</b>	<b>33,182</b>	<b>8.5</b>
Iowa .....	5,611	5,164	5,245	5,611	5,245	7.0
Kansas .....	4,835	4,188	3,973	4,835	3,973	21.7
Minnesota .....	5,342	4,638	4,949	5,342	4,949	7.9
Missouri .....	8,724	8,044	7,728	8,724	7,728	12.9
Nebraska .....	2,733	2,729	2,655	2,733	2,655	2.9
North Dakota .....	8,169	7,773	7,813	8,169	7,813	4.6
South Dakota .....	591	527	818	591	818	-27.8
<b>South Atlantic Total</b> .....	<b>40,639</b>	<b>38,002</b>	<b>36,501</b>	<b>40,639</b>	<b>36,501</b>	<b>11.3</b>
Delaware .....	466	363	569	466	569	-18.1
District of Columbia .....	2	3	*	2	*	NM
Florida .....	6,665	6,408	6,001	6,665	6,001	11.1
Georgia .....	7,104	7,145	6,848	7,104	6,848	3.7
Maryland .....	3,232	3,052	2,547	3,232	2,547	26.9
North Carolina .....	6,449	6,040	5,209	6,449	5,209	23.8
South Carolina .....	3,091	2,997	2,829	3,091	2,829	9.3
Virginia .....	3,875	3,381	3,520	3,875	3,520	10.1
West Virginia .....	9,756	8,613	8,977	9,756	8,977	8.7
<b>East South Central Total</b> .....	<b>27,478</b>	<b>26,434</b>	<b>24,505</b>	<b>27,478</b>	<b>24,505</b>	<b>12.1</b>
Alabama .....	8,783	8,635	7,271	8,783	7,271	20.8
Kentucky .....	10,743	9,800	9,522	10,743	9,522	12.8
Mississippi .....	1,129	831	1,186	1,129	1,186	-4.7
Tennessee .....	6,824	7,168	6,526	6,824	6,526	4.6
<b>West South Central Total</b> .....	<b>35,501</b>	<b>35,637</b>	<b>31,434</b>	<b>35,501</b>	<b>31,434</b>	<b>12.9</b>
Arkansas .....	3,625	3,773	2,953	3,625	2,953	22.8
Louisiana .....	2,779	3,035	3,105	2,779	3,105	-10.5
Oklahoma .....	5,174	5,066	4,928	5,174	4,928	5.0
Texas .....	23,923	23,762	20,450	23,923	20,450	17.0
<b>Mountain Total</b> .....	<b>24,067</b>	<b>27,629</b>	<b>27,349</b>	<b>24,067</b>	<b>27,349</b>	<b>-12.0</b>
Arizona .....	3,105	4,063	3,974	3,105	3,974	-21.9
Colorado .....	4,303	4,258	4,264	4,303	4,264	.9
Idaho .....	146	208	178	146	178	-18.4
Montana .....	1,658	2,517	3,026	1,658	3,026	-45.2
Nevada .....	1,620	2,037	1,592	1,620	1,592	1.8
New Mexico .....	3,136	3,808	3,732	3,136	3,732	-16.0
Utah .....	3,553	3,992	3,687	3,553	3,687	-3.6
Wyoming .....	6,547	6,746	6,896	6,547	6,896	-5.1
<b>Pacific Total</b> .....	<b>2,090</b>	<b>2,764</b>	<b>1,978</b>	<b>2,090</b>	<b>1,978</b>	<b>5.7</b>
Alaska .....	235	265	229	235	229	2.8
California .....	553	730	610	553	610	-9.4
Hawaii .....	57	37	23	57	23	147.8
Oregon .....	29	350	265	29	265	-89.0
Washington .....	1,216	1,382	851	1,216	851	43.0
<b>U.S. Total</b> .....	<b>243,018</b>	<b>236,243</b>	<b>227,604</b>	<b>243,018</b>	<b>227,604</b>	<b>6.8</b>

\* Rounded to zero.

NM Percent change calculation not meaningful as value is greater than 500.

Notes: Consumption data for 1989 through 1996 exclude coal consumed by independent power producers to generate electricity and cogeneration plants not included in the other industrial, coke, and commercial sectors. In 1989, 1990, 1991, 1992, 1993, 1994, 1995 and 1996 these excluded EIA quarterly estimated consumption data are: 219, 400, 1500, 2500, 3086, 3785, 4500 and 5000 thousand short tons, respectively. Total may not equal sum of components because of independent rounding.

Sources: Energy Information Administration, Form EIA-759, "Monthly Power Plant Report"; Form EIA-3, "Quarterly Coal Consumption Report - Manufacturing Plants"; Form EIA-867, "Annual Nonutility Power Producer Report"; Form EIA-7A, "Coal Production Report"; Form EIA-5, "Coke Plant Report - Quarterly"; and Form EIA-6, "Coal Distribution Report."

**Table 39. Coal Consumption at Electric Utility Plants by Census Division and State**  
(Thousand Short Tons)

Census Division and State	January - March 1996	October - December 1995	January - March 1995	Year to Date		
				1996	1995	Percent Change
<b>New England Total</b> .....	<b>1,657</b>	<b>1,634</b>	<b>1,602</b>	<b>1,657</b>	<b>1,602</b>	<b>3.4</b>
Connecticut.....	244	229	246	244	246	-7
Maine.....	-	-	-	-	-	-
Massachusetts.....	1,017	1,060	968	1,017	968	5.0
New Hampshire.....	396	345	388	396	388	2.1
Rhode Island.....	-	-	-	-	-	-
Vermont.....	-	-	-	-	-	-
<b>Middle Atlantic Total</b> .....	<b>13,302</b>	<b>12,308</b>	<b>12,419</b>	<b>13,302</b>	<b>12,419</b>	<b>7.1</b>
New Jersey.....	696	532	427	696	427	63.0
New York.....	2,158	1,936	2,111	2,158	2,111	2.2
Pennsylvania.....	10,448	9,839	9,881	10,448	9,881	5.7
<b>East North Central Total</b> .....	<b>49,502</b>	<b>46,059</b>	<b>45,833</b>	<b>49,502</b>	<b>45,833</b>	<b>8.0</b>
Illinois.....	8,630	7,864	8,302	8,630	8,302	3.9
Indiana.....	13,442	13,018	12,998	13,442	12,998	3.4
Michigan.....	8,025	7,726	7,574	8,025	7,574	6.0
Ohio.....	13,846	11,963	12,224	13,846	12,224	13.3
Wisconsin.....	5,558	5,487	4,733	5,558	4,733	17.4
<b>West North Central Total</b> .....	<b>32,120</b>	<b>29,349</b>	<b>29,486</b>	<b>32,120</b>	<b>29,486</b>	<b>8.9</b>
Iowa.....	4,816	4,473	4,500	4,816	4,500	7.0
Kansas.....	4,765	4,075	3,938	4,765	3,938	21.0
Minnesota.....	4,701	4,289	4,449	4,701	4,449	5.7
Missouri.....	8,382	7,632	7,393	8,382	7,393	13.4
Nebraska.....	2,656	2,572	2,556	2,656	2,556	3.9
North Dakota.....	6,288	5,893	5,927	6,288	5,927	6.1
South Dakota.....	512	414	722	512	722	-29.1
<b>South Atlantic Total</b> .....	<b>36,276</b>	<b>33,410</b>	<b>31,829</b>	<b>36,276</b>	<b>31,829</b>	<b>14.0</b>
Delaware.....	418	306	534	418	534	-21.7
District of Columbia.....	-	-	-	-	-	-
Florida.....	6,365	6,065	5,678	6,365	5,678	12.1
Georgia.....	6,561	6,656	6,249	6,561	6,249	5.0
Maryland.....	2,951	2,631	2,333	2,951	2,333	26.5
North Carolina.....	5,749	5,403	4,439	5,749	4,439	29.5
South Carolina.....	2,530	2,359	2,247	2,530	2,247	12.6
Virginia.....	2,862	2,373	2,497	2,862	2,497	14.6
West Virginia.....	8,841	7,617	7,852	8,841	7,852	12.6
<b>East South Central Total</b> .....	<b>24,019</b>	<b>22,909</b>	<b>21,165</b>	<b>24,019</b>	<b>21,165</b>	<b>13.5</b>
Alabama.....	7,317	7,201	5,893	7,317	5,893	24.2
Kentucky.....	9,822	8,762	8,673	9,822	8,673	13.2
Mississippi.....	1,071	761	1,118	1,071	1,118	-4.3
Tennessee.....	5,809	6,186	5,480	5,809	5,480	6.0
<b>West South Central Total</b> .....	<b>34,065</b>	<b>34,001</b>	<b>29,811</b>	<b>34,065</b>	<b>29,811</b>	<b>14.3</b>
Arkansas.....	3,534	3,699	2,867	3,534	2,867	23.3
Louisiana.....	2,757	2,996	2,956	2,757	2,956	-6.7
Oklahoma.....	4,994	4,643	4,622	4,994	4,622	8.0
Texas.....	22,780	22,663	19,366	22,780	19,366	17.6
<b>Mountain Total</b> .....	<b>22,597</b>	<b>25,749</b>	<b>25,570</b>	<b>22,597</b>	<b>25,570</b>	<b>-11.6</b>
Arizona.....	2,945	3,892	3,811	2,945	3,811	-22.7
Colorado.....	4,131	4,043	4,091	4,131	4,091	1.0
Idaho.....	-	-	-	-	-	-
Montana.....	1,628	2,308	2,859	1,628	2,859	-43.1
Nevada.....	1,575	1,990	1,536	1,575	1,536	2.5
New Mexico.....	3,115	3,785	3,712	3,115	3,712	-16.1
Utah.....	3,172	3,533	3,229	3,172	3,229	-1.8
Wyoming.....	6,030	6,198	6,331	6,030	6,331	-4.8
<b>Pacific Total</b> .....	<b>1,231</b>	<b>1,668</b>	<b>1,068</b>	<b>1,231</b>	<b>1,068</b>	<b>15.3</b>
Alaska.....	78	82	76	78	76	2.2
California.....	-	-	-	-	-	-
Hawaii.....	-	-	-	-	-	-
Oregon.....	-	287	214	-	214	-
Washington.....	1,153	1,298	778	1,153	778	48.3
<b>U.S. Total</b> .....	<b>214,769</b>	<b>207,085</b>	<b>198,782</b>	<b>214,769</b>	<b>198,782</b>	<b>8.0</b>

Note: Total may not equal sum of components because of independent rounding.  
Source: Energy Information Administration, Form EIA-759, "Monthly Power Plant Report."



**Table 40. Coal Carbonized at Coke Plants by Census Division and State**  
(Thousand Short Tons)

Census Division and State	January - March 1996	October - December 1995	January - March 1995	Year to Date		
				1996	1995	Percent Change
<b>New England Total</b> .....	-	-	-	-	-	-
Connecticut.....	-	-	-	-	-	-
Maine.....	-	-	-	-	-	-
Massachusetts.....	-	-	-	-	-	-
New Hampshire.....	-	-	-	-	-	-
Rhode Island.....	-	-	-	-	-	-
Vermont.....	-	-	-	-	-	-
<b>Middle Atlantic Total</b> .....	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>
New Jersey.....	-	-	-	-	-	-
New York.....	w	w	w	w	w	w
Pennsylvania.....	2,606	2,714	2,678	2,606	2,678	-2.7
<b>East North Central Total</b> .....	<b>2,918</b>	<b>3,035</b>	<b>3,029</b>	<b>2,918</b>	<b>3,029</b>	<b>-3.7</b>
Illinois.....	w	w	w	w	w	w
Indiana.....	1,503	1,450	1,454	1,503	1,454	3.4
Michigan.....	w	w	w	w	w	w
Ohio.....	459	628	734	459	734	-37.5
Wisconsin.....	-	-	-	-	-	-
<b>West North Central Total</b> .....	-	-	-	-	-	-
Iowa.....	-	-	-	-	-	-
Kansas.....	-	-	-	-	-	-
Minnesota.....	-	-	-	-	-	-
Missouri.....	-	-	-	-	-	-
Nebraska.....	-	-	-	-	-	-
North Dakota.....	-	-	-	-	-	-
South Dakota.....	-	-	-	-	-	-
<b>South Atlantic Total</b> .....	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>
Delaware.....	-	-	-	-	-	-
District of Columbia.....	-	-	-	-	-	-
Florida.....	-	-	-	-	-	-
Georgia.....	-	-	-	-	-	-
Maryland.....	w	w	w	w	w	w
North Carolina.....	-	-	-	-	-	-
South Carolina.....	-	-	-	-	-	-
Virginia.....	w	w	w	w	w	w
West Virginia.....	w	w	w	w	w	w
<b>East South Central Total</b> .....	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>
Alabama.....	814	810	803	814	803	1.3
Kentucky.....	w	w	w	w	w	w
Mississippi.....	-	-	-	-	-	-
Tennessee.....	-	-	-	-	-	-
<b>West South Central Total</b> .....	-	-	-	-	-	-
Arkansas.....	-	-	-	-	-	-
Louisiana.....	-	-	-	-	-	-
Oklahoma.....	-	-	-	-	-	-
Texas.....	-	-	-	-	-	-
<b>Mountain Total</b> .....	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>
Arizona.....	-	-	-	-	-	-
Colorado.....	-	-	-	-	-	-
Idaho.....	-	-	-	-	-	-
Montana.....	-	-	-	-	-	-
Nevada.....	-	-	-	-	-	-
New Mexico.....	-	-	-	-	-	-
Utah.....	w	w	w	w	w	w
Wyoming.....	-	-	-	-	-	-
<b>Pacific Total</b> .....	-	-	-	-	-	-
Alaska.....	-	-	-	-	-	-
California.....	-	-	-	-	-	-
Hawaii.....	-	-	-	-	-	-
Oregon.....	-	-	-	-	-	-
Washington.....	-	-	-	-	-	-
<b>By Plant Type</b>						
Merchant Coke Plants.....	1,035	1,055	1,042	1,035	1,042	-7
Furnace Coke Plants.....	6,938	7,196	7,097	6,938	7,097	-2.2
<b>U.S. Total</b> .....	<b>7,973</b>	<b>8,251</b>	<b>8,140</b>	<b>7,973</b>	<b>8,140</b>	<b>-2.1</b>

<sup>w</sup> Withheld to avoid disclosure of individual company data.  
Notes: Total may not equal sum of components because of independent rounding.  
Source: Energy Information Administration, Form EIA-5, "Coke Plant Report - Quarterly."

**Table 41. Coal Consumption at Other Industrial Plants by Census Division and State**  
(Thousand Short Tons)

Census Division and State	January - March 1996	October - December 1995	January - March 1995	Year to Date		
				1996	1995	Percent Change
<b>New England Total</b> .....	<b>62</b>	<b>94</b>	<b>72</b>	<b>62</b>	<b>72</b>	<b>-14.3</b>
Connecticut.....	w	w	w	w	w	w
Maine.....	w	w	w	w	w	w
Massachusetts.....	w	w	w	w	w	w
New Hampshire.....	w	w	w	w	w	w
Rhode Island.....	w	w	w	w	w	w
Vermont.....	w	w	w	w	w	w
<b>Middle Atlantic Total</b> .....	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>
New Jersey.....	w	w	w	w	w	w
New York.....	367	336	366	367	366	.3
Pennsylvania.....	1,089	1,028	1,067	1,089	1,067	2.1
<b>East North Central Total</b> .....	<b>4,567</b>	<b>4,238</b>	<b>4,424</b>	<b>4,567</b>	<b>4,424</b>	<b>3.2</b>
Illinois.....	953	923	992	953	992	-4.0
Indiana.....	1,279	1,132	1,134	1,279	1,134	12.8
Michigan.....	828	752	809	828	809	2.4
Ohio.....	1,021	937	1,009	1,021	1,009	1.2
Wisconsin.....	485	493	480	485	480	1.2
<b>West North Central Total</b> .....	<b>3,651</b>	<b>3,410</b>	<b>3,501</b>	<b>3,651</b>	<b>3,501</b>	<b>4.3</b>
Iowa.....	768	684	745	768	745	3.1
Kansas.....	43	40	35	43	35	21.9
Minnesota.....	562	298	425	562	425	32.2
Missouri.....	279	297	270	279	270	3.4
Nebraska.....	w	w	w	w	w	w
North Dakota.....	w	w	w	w	w	w
South Dakota.....	w	w	w	w	w	w
<b>South Atlantic Total</b> .....	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>
Delaware.....	w	w	w	w	w	w
District of Columbia.....	-	-	-	-	-	-
Florida.....	300	342	323	300	323	-7.1
Georgia.....	525	483	565	525	565	-7.1
Maryland.....	192	188	183	192	183	4.9
North Carolina.....	633	582	689	633	689	-8.1
South Carolina.....	556	636	568	556	568	-2.1
Virginia.....	693	682	728	693	728	-4.8
West Virginia.....	443	480	648	443	648	-31.6
<b>East South Central Total</b> .....	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>
Alabama.....	650	619	574	650	574	13.3
Kentucky.....	540	640	446	540	446	21.1
Mississippi.....	w	w	w	w	w	w
Tennessee.....	971	938	1,008	971	1,008	-3.7
<b>West South Central Total</b> .....	<b>1,431</b>	<b>1,635</b>	<b>w</b>	<b>1,431</b>	<b>1,609</b>	<b>-11.1</b>
Arkansas.....	91	74	85	91	85	6.9
Louisiana.....	w	w	w	w	w	w
Oklahoma.....	w	w	w	w	w	w
Texas.....	1,143	1,099	1,084	1,143	1,084	5.5
<b>Mountain Total</b> .....	<b>1,113</b>	<b>1,506</b>	<b>1,428</b>	<b>1,113</b>	<b>1,428</b>	<b>-22.0</b>
Arizona.....	159	171	163	159	163	-2.5
Colorado.....	166	208	169	166	169	-1.6
Idaho.....	134	194	169	134	169	-20.9
Montana.....	w	w	w	w	w	w
Nevada.....	w	w	w	w	w	w
New Mexico.....	w	w	w	w	w	w
Utah.....	92	172	195	92	195	-52.6
Wyoming.....	473	490	499	473	499	-5.2
<b>Pacific Total</b> .....	<b>639</b>	<b>850</b>	<b>739</b>	<b>639</b>	<b>739</b>	<b>-13.6</b>
Alaska.....	1	w	-	w	-	-
California.....	513	688	610	513	610	-15.9
Hawaii.....	w	w	w	w	w	w
Oregon.....	w	w	w	w	w	w
Washington.....	39	62	55	39	55	-28.9
<b>U.S. Total</b> .....	<b>18,529</b>	<b>18,816</b>	<b>19,043</b>	<b>18,529</b>	<b>19,043</b>	<b>-2.7</b>

<sup>w</sup> Withheld to avoid disclosure of individual company data.

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

Sources: Energy Information Administration, Form EIA-3, "Quarterly Coal Consumption Report - Manufacturing Plants"; Form EIA-867, "Annual Non-utility Power Producer Report"; and Form EIA-7A, "Coal Production Report."

**Table 42. U.S. Coal Consumption at Manufacturing Plants by Standard Industrial Classification (SIC) Code**  
(Thousand Short Tons)

SIC Code	January - March 1996	October - December 1995	January - March 1995	Year to Date		
				1996	1995	Percent Change
20 Food and kindred products .....	2,153	2,311	2,338	2,153	2,338	-7.9
21 Tobacco products .....	164	150	161	164	161	1.9
22 Textile mill products .....	314	245	332	314	332	-5.6
23 Apparel, other textile products .....	w	w	w	w	w	w
24 Lumber and wood products .....	11	9	12	11	12	-8.3
25 Furniture and fixtures .....	34	26	23	34	23	50.4
26 Paper and allied products .....	3,501	3,234	3,495	3,501	3,495	.2
27 Printing and publishing .....	w	w	w	w	w	w
28 Chemicals, allied products .....	3,454	3,245	3,505	3,454	3,505	-1.5
29 Petroleum and coal products <sup>1</sup> .....	1,847	1,872	1,964	1,847	1,964	-6.0
30 Rubber, misc. plastic products .....	63	59	76	63	76	-16.3
31 Leather, leather products .....	w	w	w	w	w	w
32 Stone, clay, glass products .....	3,017	3,550	3,044	3,017	3,044	-9
33 Primary metal industries <sup>2</sup> .....	2,102	1,892	1,876	2,102	1,876	12.1
34 Fabricated metal products .....	106	85	110	106	110	-4.0
35 Machinery, except electric .....	161	126	155	161	155	3.8
36 Electric, electronic equipment .....	61	35	50	61	50	22.7
37 Transportation equipment .....	w	w	w	w	w	w
38 Instruments, related products .....	w	w	w	w	w	w
39 Misc. manufacturing industries .....	w	w	w	w	w	w
<b>U.S. Total .....</b>	<b>17,617</b>	<b>17,390</b>	<b>17,857</b>	<b>17,617</b>	<b>17,857</b>	<b>-1.3</b>

<sup>1</sup> Includes coal gasification projects.

<sup>2</sup> Excludes coke plants.

<sup>w</sup> Withheld to avoid disclosure of individual company data.

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

Source: Energy Information Administration, Form EIA-3, "Quarterly Coal Consumption Report - Manufacturing Plants."

**Table 43. Coal Consumption by Residential and Commercial Sector by Census Division and State**  
(Thousand Short Tons)

Census Division and State	January - March 1996	October - December 1995	January - March 1995	Year to Date		
				1996	1995	Percent Change
<b>New England Total</b> .....	<b>21</b>	<b>43</b>	<b>8</b>	<b>21</b>	<b>8</b>	<b>152.1</b>
Connecticut.....	w	w	w	w	w	w
Maine.....	w	w	w	w	w	w
Massachusetts.....	w	w	w	w	w	w
New Hampshire.....	w	w	w	w	w	w
Rhode Island.....	w	w	w	w	w	w
Vermont.....	w	w	w	w	w	w
<b>Middle Atlantic Total</b> .....	<b>414</b>	<b>463</b>	<b>397</b>	<b>414</b>	<b>397</b>	<b>4.2</b>
New Jersey.....	w	w	w	w	w	w
New York.....	w	w	w	w	w	w
Pennsylvania.....	345	389	337	345	337	2.5
<b>East North Central Total</b> .....	<b>390</b>	<b>420</b>	<b>413</b>	<b>390</b>	<b>413</b>	<b>-5.4</b>
Illinois.....	w	w	w	w	w	w
Indiana.....	86	98	94	86	94	-9.0
Michigan.....	w	w	w	w	w	w
Ohio.....	123	190	109	123	109	12.7
Wisconsin.....	w	w	w	w	w	w
<b>West North Central Total</b> .....	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>
Iowa.....	27	6	*	27	*	NM
Kansas.....	28	74	*	28	*	NM
Minnesota.....	79	51	75	79	75	5.9
Missouri.....	w	w	w	w	w	w
Nebraska.....	w	w	w	w	w	w
North Dakota.....	w	w	w	w	w	w
South Dakota.....	w	w	w	w	w	w
<b>South Atlantic Total</b> .....	<b>286</b>	<b>416</b>	<b>233</b>	<b>286</b>	<b>233</b>	<b>22.7</b>
Delaware.....	w	w	w	w	w	w
District of Columbia.....	2	3	*	2	*	NM
Florida.....	*	1	*	*	*	217.1
Georgia.....	18	6	33	18	33	-46.6
Maryland.....	w	w	w	w	w	w
North Carolina.....	67	55	81	67	81	-17.6
South Carolina.....	5	2	14	5	14	-63.2
Virginia.....	w	w	w	w	w	w
West Virginia.....	w	w	w	w	w	w
<b>East South Central Total</b> .....	<b>85</b>	<b>83</b>	<b>96</b>	<b>85</b>	<b>96</b>	<b>-11.9</b>
Alabama.....	2	5	1	2	1	105.2
Kentucky.....	w	w	w	w	w	w
Mississippi.....	w	w	w	w	w	w
Tennessee.....	w	w	w	w	w	w
<b>West South Central Total</b> .....	<b>5</b>	<b>*</b>	<b>15</b>	<b>5</b>	<b>15</b>	<b>-66.8</b>
Arkansas.....	-	-	-	-	-	-
Louisiana.....	w	w	w	w	w	w
Oklahoma.....	w	w	w	w	w	w
Texas.....	-	-	-	-	-	-
<b>Mountain Total</b> .....	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>
Arizona.....	2	*	*	2	*	293.0
Colorado.....	6	7	4	6	4	68.1
Idaho.....	12	13	9	12	9	28.5
Montana.....	w	w	w	w	w	w
Nevada.....	w	w	w	w	w	w
New Mexico.....	w	w	w	w	w	w
Utah.....	w	w	w	w	w	w
Wyoming.....	44	58	66	44	66	-33.8
<b>Pacific Total</b> .....	<b>220</b>	<b>246</b>	<b>171</b>	<b>220</b>	<b>171</b>	<b>29.1</b>
Alaska.....	157	182	153	157	153	2.6
California.....	40	42	*	40	*	NM
Hawaii.....	w	w	w	w	w	w
Oregon.....	w	w	w	w	w	w
Washington.....	23	21	18	23	18	33.4
<b>U.S. Total</b> .....	<b>1,747</b>	<b>2,091</b>	<b>1,638</b>	<b>1,747</b>	<b>1,638</b>	<b>6.6</b>

\* Rounded to zero.

NM Percent change calculation not meaningful as value is greater than 500.

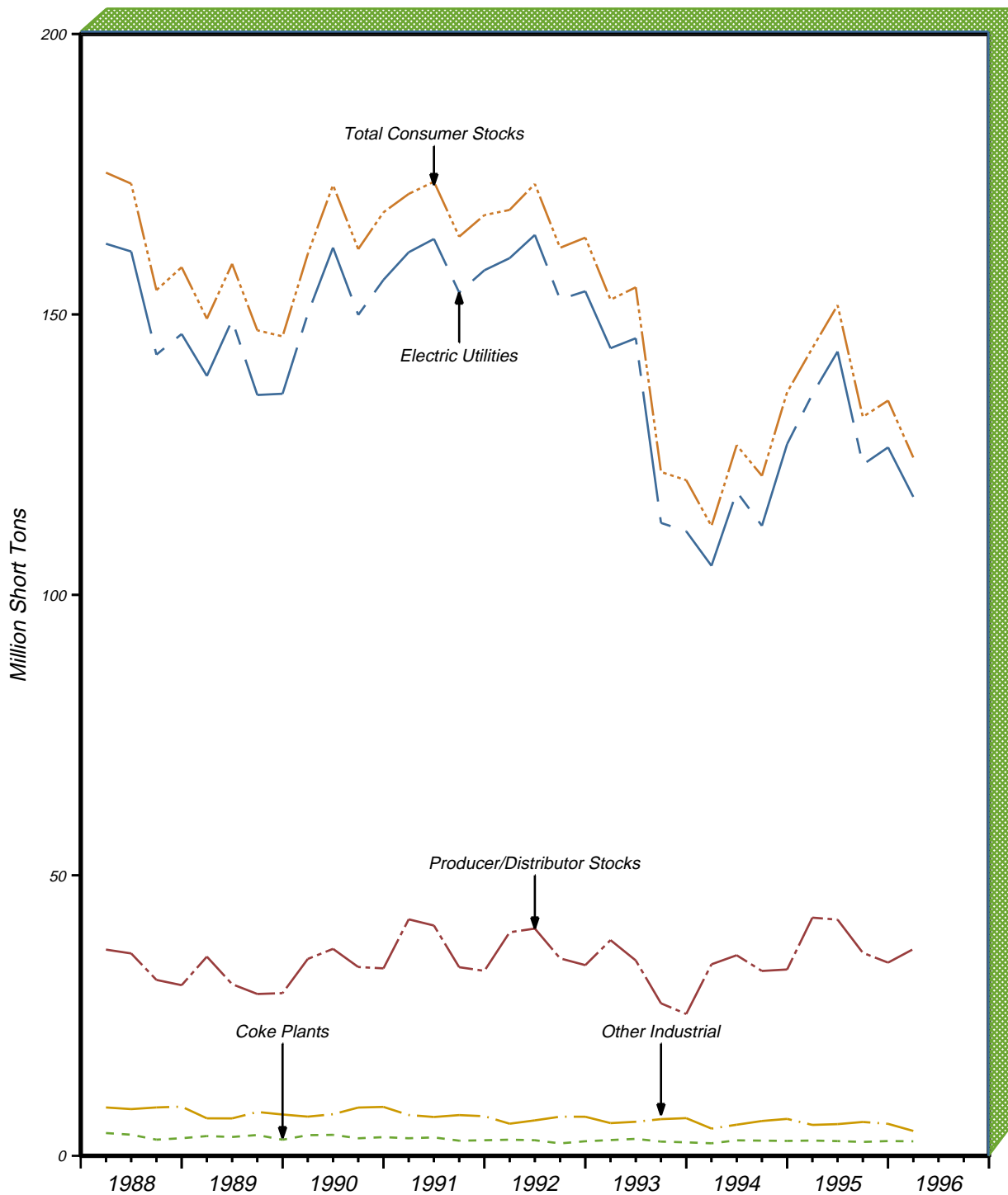
w Withheld to avoid disclosure of individual company data.

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

Source: Energy Information Administration, Form EIA-6, "Coal Distribution Report."

# Stocks

**Figure 8. Quarterly U.S. Coal Stocks, 1988-1996**



Note: Each increment represents end-of-quarter data.  
 Sources: Energy Information Administration (EIA), Electric Utilities: Form EIA-759, "Monthly Power Plant Report;" Coke Plants: Form EIA-5, "Coke Plant Report - Quarterly;" Other Industrial: Form EIA-3, "Quarterly Coal Consumption Report - Manufacturing Plants;" Producer and Distributor: Form EIA-6, Schedule Q, "Quarterly Coal Report;" and, Form EIA-6, "Coal Distribution Report."

**Table 44. U.S. Coal Stocks, 1988-1996**  
(Thousand Short Tons)

Last Day of Quarter	Coal Consumers <sup>1</sup>				Coal Producers and Distributors	Total
	Electric Utilities	Coke Plants	Other Industrial <sup>2</sup>	Total		
<b>1988 March 31</b> .....	162,603	4,057	8,619	175,279	36,764	212,044
June 30 .....	161,215	3,763	8,331	173,308	36,079	209,386
September 30 .....	142,830	2,877	8,624	154,331	31,360	185,691
December 31 .....	146,507	3,137	8,768	158,413	30,418	188,831
<b>1989 March 31</b> .....	139,036	3,518	6,683	149,238	35,508	184,745
June 30 .....	148,981	3,361	6,671	159,013	30,598	189,612
September 30 .....	135,640	3,707	7,818	147,165	28,848	176,013
December 31 .....	135,860	2,864	7,363	146,087	29,000	175,087
<b>1990 March 31</b> .....	150,118	3,680	6,984	160,782	35,099	195,881
June 30 .....	161,908	3,739	7,413	173,061	36,895	209,956
September 30 .....	149,913	3,124	8,603	161,639	33,659	195,298
December 31 .....	156,166	3,329	8,716	168,210	33,418	201,629
<b>1991 March 31</b> .....	161,084	3,130	7,271	171,485	42,162	213,647
June 30 .....	163,459	3,283	6,921	173,663	41,054	214,716
September 30 .....	153,907	2,695	7,258	163,860	33,628	197,488
December 31 .....	157,876	2,773	7,061	167,711	32,971	200,682
<b>1992 March 31</b> .....	160,032	2,875	5,725	168,632	39,853	208,485
June 30 .....	164,176	2,776	6,317	173,270	40,513	213,783
September 30 .....	152,685	2,215	6,979	161,878	35,198	197,076
December 31 .....	154,130	2,597	6,965	163,692	33,993	197,685
<b>1993 March 31</b> .....	143,978	2,809	5,831	152,619	38,453	191,072
June 30 .....	145,753	3,020	6,070	154,842	34,827	189,669
September 30 .....	112,833	2,536	6,540	121,909	27,183	149,092
December 31 .....	111,341	2,401	6,716	120,458	25,284	145,742
<b>1994 March 31</b> .....	105,186	2,232	4,859	112,278	34,139	146,417
June 30 .....	118,391	2,759	5,543	126,694	35,758	162,451
September 30 .....	112,314	2,706	6,206	121,225	32,955	154,180
December 31 .....	126,897	2,657	6,585	136,139	33,219	169,358
<b>1995 March 31</b> .....	135,778	2,719	5,507	144,004	42,460	186,463
June 30 .....	143,385	2,624	5,649	151,657	42,104	193,761
September 30 .....	123,227	2,476	6,036	131,739	36,193	167,932
December 31 .....	126,304	2,632	5,702	134,639	34,444	169,083
<b>1996 March 31</b> .....	117,477	2,584	4,433	124,493	36,851	161,344

<sup>1</sup> Stock data for the Residential and Commercial sector are not included. See Technical Note 6 in Appendix C.

<sup>2</sup> Manufacturing plants only.

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

Sources: Energy Information Administration (EIA) • Electric Utilities: Form EIA-759, "Monthly Power Plant Report" • Coke Plants: Form EIA-5, "Coke Plant Report - Quarterly" • Other Industrial: Form EIA-3, "Quarterly Coal Consumption Report - Manufacturing Plants" and • Producer and Distributor: Form EIA-6, Schedule Q, "Quarterly Coal Report"; and, Form EIA-6, "Coal Distribution Report."

**Table 45. Consumer Coal Stocks by Census Division and State, March 31, 1996**  
(Thousand Short Tons)

Census Division and State	Electric Utilities	Coke Plants	Other Industrial <sup>1</sup>	Total
<b>New England Total</b> .....	<b>829</b>	—	<b>61</b>	<b>890</b>
Connecticut.....	113	—	w	w
Maine.....	—	—	w	w
Massachusetts.....	433	—	w	w
New Hampshire.....	283	—	w	w
Rhode Island.....	—	—	w	w
Vermont.....	—	—	w	w
<b>Middle Atlantic Total</b> .....	<b>10,188</b>	w	w	<b>11,540</b>
New Jersey.....	617	—	w	w
New York.....	656	w	119	w
Pennsylvania.....	8,916	979	154	10,049
<b>East North Central Total</b> .....	<b>27,469</b>	<b>1,018</b>	<b>1,229</b>	<b>29,717</b>
Illinois.....	4,769	w	239	w
Indiana.....	8,671	455	296	9,422
Michigan.....	6,215	w	387	w
Ohio.....	4,651	81	117	4,850
Wisconsin.....	3,163	—	191	3,354
<b>West North Central Total</b> .....	<b>16,067</b>	—	<b>752</b>	<b>16,820</b>
Iowa.....	3,596	—	317	3,913
Kansas.....	3,388	—	8	3,396
Minnesota.....	1,532	—	132	1,664
Missouri.....	4,037	—	141	4,178
Nebraska.....	1,592	—	w	w
North Dakota.....	1,768	—	w	w
South Dakota.....	154	—	w	w
<b>South Atlantic Total</b> .....	<b>16,956</b>	w	w	<b>17,850</b>
Delaware.....	251	—	w	w
District of Columbia.....	—	—	—	—
Florida.....	2,696	—	101	2,797
Georgia.....	3,717	—	131	3,848
Maryland.....	909	w	22	w
North Carolina.....	2,376	—	141	2,517
South Carolina.....	1,773	—	174	1,948
Virginia.....	899	w	147	w
West Virginia.....	4,334	w	94	w
<b>East South Central Total</b> .....	<b>9,560</b>	w	w	<b>10,420</b>
Alabama.....	3,001	249	160	3,410
Kentucky.....	4,078	w	110	w
Mississippi.....	601	—	w	w
Tennessee.....	1,880	—	228	2,109
<b>West South Central Total</b> .....	<b>19,932</b>	—	<b>347</b>	<b>20,279</b>
Arkansas.....	2,432	—	21	2,453
Louisiana.....	2,708	—	9	2,717
Oklahoma.....	3,274	—	143	3,416
Texas.....	11,518	—	175	11,693
<b>Mountain Total</b> .....	<b>14,483</b>	w	<b>219</b>	<b>w</b>
Arizona.....	3,261	—	41	3,302
Colorado.....	3,681	—	22	3,703
Idaho.....	—	—	50	50
Montana.....	527	—	w	w
Nevada.....	1,527	—	w	w
New Mexico.....	893	—	w	w
Utah.....	1,943	w	5	w
Wyoming.....	2,650	—	87	2,737
<b>Pacific Total</b> .....	<b>1,993</b>	—	<b>224</b>	<b>2,217</b>
Alaska.....	1	—	—	1
California.....	—	—	155	155
Hawaii.....	—	—	w	w
Oregon.....	399	—	w	w
Washington.....	1,593	—	20	1,613
<b>U.S. Total</b> .....	<b>117,477</b>	<b>2,584</b>	<b>4,433</b>	<b>124,493</b>

<sup>1</sup> Manufacturing plants only.

w Withheld to avoid disclosure of individual company data.

Notes: Total may not equal sum of components because of independent rounding. Stock data for the Residential and Commercial sector are not available. See Technical Note 6 in Appendix C.

Sources: Energy Information Administration • Electric Utilities: Form EIA-759, "Monthly Power Plant Report" • Coke Plants: Form EIA-5, "Coke Plant Report - Quarterly" and • Other Industrial: Form EIA-3, "Quarterly Coal Consumption Report - Manufacturing Plants."



**Table 46. Coal Stocks at Electric Utility Plants by Census Division and State**  
(Thousand Short Tons)

Census Division and State	March 31, 1996	December 31, 1995	March 31, 1995	Percent Difference March 31: 1996 versus 1995
<b>New England Total</b> .....	<b>829</b>	<b>908</b>	<b>1,052</b>	<b>-21.3</b>
Connecticut.....	113	164	149	-24.3
Maine.....	-	-	-	-
Massachusetts.....	433	425	588	-26.4
New Hampshire.....	283	319	316	-10.4
Rhode Island .....	-	-	-	-
Vermont.....	-	-	-	-
<b>Middle Atlantic Total</b> .....	<b>10,188</b>	<b>11,064</b>	<b>11,932</b>	<b>-14.6</b>
New Jersey .....	617	804	657	-6.2
New York.....	656	1,015	961	-31.7
Pennsylvania.....	8,916	9,244	10,313	-13.6
<b>East North Central Total</b> .....	<b>27,469</b>	<b>30,505</b>	<b>32,473</b>	<b>-15.4</b>
Illinois.....	4,769	5,331	4,662	2.3
Indiana.....	8,671	8,435	10,678	-18.8
Michigan.....	6,215	7,708	6,289	-1.2
Ohio.....	4,651	5,661	7,705	-39.6
Wisconsin.....	3,163	3,371	3,139	.8
<b>West North Central Total</b> .....	<b>16,067</b>	<b>17,732</b>	<b>17,923</b>	<b>-10.4</b>
Iowa.....	3,596	3,923	3,845	-6.5
Kansas .....	3,388	3,850	2,750	23.2
Minnesota.....	1,532	1,898	2,339	-34.5
Missouri.....	4,037	4,641	4,818	-16.2
Nebraska.....	1,592	1,409	1,633	-2.5
North Dakota.....	1,768	1,858	2,346	-24.6
South Dakota.....	154	153	193	-19.8
<b>South Atlantic Total</b> .....	<b>16,956</b>	<b>18,851</b>	<b>24,638</b>	<b>-31.2</b>
Delaware.....	251	363	357	-29.7
District of Columbia .....	-	-	-	-
Florida .....	2,696	3,204	4,309	-37.4
Georgia.....	3,717	3,657	5,440	-31.7
Maryland .....	909	1,038	1,210	-24.9
North Carolina.....	2,376	2,715	4,355	-45.4
South Carolina.....	1,773	2,033	2,510	-29.3
Virginia.....	899	1,098	1,655	-45.7
West Virginia.....	4,334	4,744	4,800	-9.7
<b>East South Central Total</b> .....	<b>9,560</b>	<b>10,148</b>	<b>11,741</b>	<b>-18.6</b>
Alabama.....	3,001	3,282	4,150	-27.7
Kentucky .....	4,078	4,472	4,972	-18.0
Mississippi.....	601	724	794	-24.3
Tennessee .....	1,880	1,670	1,825	3.1
<b>West South Central Total</b> .....	<b>19,932</b>	<b>20,195</b>	<b>18,565</b>	<b>7.4</b>
Arkansas .....	2,432	2,790	2,179	11.6
Louisiana .....	2,708	2,659	2,270	19.3
Oklahoma .....	3,274	4,118	2,666	22.8
Texas .....	11,518	10,628	11,449	.6
<b>Mountain Total</b> .....	<b>14,483</b>	<b>14,562</b>	<b>15,875</b>	<b>-8.8</b>
Arizona.....	3,261	2,998	3,665	-11.0
Colorado .....	3,681	3,622	3,538	4.0
Idaho.....	-	-	-	-
Montana.....	527	511	506	4.3
Nevada.....	1,527	1,356	1,147	33.1
New Mexico.....	893	967	1,329	-32.8
Utah .....	1,943	2,250	2,918	-33.4
Wyoming.....	2,650	2,857	2,771	-4.4
<b>Pacific Total</b> .....	<b>1,993</b>	<b>2,341</b>	<b>1,581</b>	<b>26.1</b>
Alaska.....	1	1	1	-25.9
California.....	-	-	-	-
Hawaii .....	-	-	-	-
Oregon.....	399	399	497	-19.7
Washington.....	1,593	1,941	1,083	47.1
<b>U.S. Total</b> .....	<b>117,477</b>	<b>126,304</b>	<b>135,778</b>	<b>-13.5</b>

Note: Total may not equal sum of components because of independent rounding.  
Source: Energy Information Administration, Form EIA-759, "Monthly Power Plant Report."

**Table 47. Coal Stocks at Coke Plants by Census Division and State**  
(Thousand Short Tons)

Census Division and State	March 31, 1996	December 31, 1995	March 31, 1995	Percent Difference March 31: 1996 versus 1995
<b>New England Total</b> .....	-	-	-	-
Connecticut.....	-	-	-	-
Maine.....	-	-	-	-
Massachusetts.....	-	-	-	-
New Hampshire.....	-	-	-	-
Rhode Island.....	-	-	-	-
Vermont.....	-	-	-	-
<b>Middle Atlantic Total</b> .....	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>
New Jersey.....	-	-	-	-
New York.....	w	w	w	w
Pennsylvania.....	979	841	918	6.6
<b>East North Central Total</b> .....	<b>1,018</b>	<b>1,282</b>	<b>1,104</b>	<b>-7.8</b>
Illinois.....	w	w	w	w
Indiana.....	455	412	487	-6.4
Michigan.....	w	w	w	w
Ohio.....	81	136	153	-46.7
Wisconsin.....	-	-	-	-
<b>West North Central Total</b> .....	-	-	-	-
Iowa.....	-	-	-	-
Kansas.....	-	-	-	-
Minnesota.....	-	-	-	-
Missouri.....	-	-	-	-
Nebraska.....	-	-	-	-
North Dakota.....	-	-	-	-
South Dakota.....	-	-	-	-
<b>South Atlantic Total</b> .....	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>
Delaware.....	-	-	-	-
District of Columbia.....	-	-	-	-
Florida.....	-	-	-	-
Georgia.....	-	-	-	-
Maryland.....	w	w	w	w
North Carolina.....	-	-	-	-
South Carolina.....	-	-	-	-
Virginia.....	w	w	w	w
West Virginia.....	w	w	w	w
<b>East South Central Total</b> .....	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>
Alabama.....	249	233	324	-23.1
Kentucky.....	w	w	w	w
Mississippi.....	-	-	-	-
Tennessee.....	-	-	-	-
<b>West South Central Total</b> .....	-	-	-	-
Arkansas.....	-	-	-	-
Louisiana.....	-	-	-	-
Oklahoma.....	-	-	-	-
Texas.....	-	-	-	-
<b>Mountain Total</b> .....	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>
Arizona.....	-	-	-	-
Colorado.....	-	-	-	-
Idaho.....	-	-	-	-
Montana.....	-	-	-	-
Nevada.....	-	-	-	-
New Mexico.....	-	-	-	-
Utah.....	w	w	w	w
Wyoming.....	-	-	-	-
<b>Pacific Total</b> .....	-	-	-	-
Alaska.....	-	-	-	-
California.....	-	-	-	-
Hawaii.....	-	-	-	-
Oregon.....	-	-	-	-
Washington.....	-	-	-	-
<b>By Plant Type</b>				
Merchant Coke Plants.....	235	230	295	-20.2
Furnace Coke Plants.....	2,348	2,402	2,424	-3.1
<b>U.S. Total</b> .....	<b>2,584</b>	<b>2,632</b>	<b>2,719</b>	<b>-5.0</b>

<sup>w</sup> Withheld to avoid disclosure of individual company data.

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

Source: Energy Information Administration, Form EIA-5, "Coke Plant Report - Quarterly."

**Table 48. Coal Stocks at Other Industrial Plants by Census Division and State**  
(Thousand Short Tons)

Census Division and State	March 31, 1996	December 31, 1995	March 31, 1995	Percent Difference March 31: 1996 versus 1995
<b>New England Total</b> .....	<b>61</b>	<b>60</b>	<b>52</b>	<b>18.7</b>
Connecticut.....	w	w	w	w
Maine.....	w	w	w	w
Massachusetts.....	w	w	w	w
New Hampshire.....	w	w	w	w
Rhode Island .....	w	w	w	w
Vermont.....	w	w	w	w
<b>Middle Atlantic Total</b> .....	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>
New Jersey .....	w	w	w	w
New York.....	119	203	145	-17.8
Pennsylvania.....	154	218	259	-40.5
<b>East North Central Total</b> .....	<b>1,229</b>	<b>2,031</b>	<b>1,761</b>	<b>-30.2</b>
Illinois.....	239	333	323	-26.0
Indiana.....	296	451	474	-37.5
Michigan.....	387	822	594	-34.8
Ohio.....	117	138	148	-20.9
Wisconsin.....	191	286	222	-14.3
<b>West North Central Total</b> .....	<b>752</b>	<b>981</b>	<b>768</b>	<b>-2.0</b>
Iowa.....	317	524	376	-15.7
Kansas .....	8	10	17	-52.4
Minnesota.....	132	87	68	94.9
Missouri.....	141	138	145	-2.7
Nebraska.....	w	w	w	w
North Dakota.....	w	w	w	w
South Dakota.....	w	w	w	w
<b>South Atlantic Total</b> .....	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>
Delaware.....	w	w	w	w
District of Columbia .....	-	-	-	-
Florida .....	101	64	100	.9
Georgia.....	131	129	163	-19.9
Maryland .....	22	24	32	-31.0
North Carolina.....	141	140	187	-24.6
South Carolina.....	174	160	261	-33.3
Virginia.....	147	177	172	-15.0
West Virginia.....	94	105	122	-22.9
<b>East South Central Total</b> .....	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>
Alabama.....	160	133	184	-13.2
Kentucky.....	110	120	105	5.3
Mississippi.....	w	w	w	w
Tennessee .....	228	215	226	.9
<b>West South Central Total</b> .....	<b>347</b>	<b>370</b>	<b>464</b>	<b>-25.1</b>
Arkansas .....	21	29	28	-27.3
Louisiana .....	w	w	w	w
Oklahoma .....	w	w	w	w
Texas .....	175	201	213	-17.7
<b>Mountain Total</b> .....	<b>219</b>	<b>313</b>	<b>246</b>	<b>-11.0</b>
Arizona.....	41	34	55	-25.8
Colorado .....	22	59	22	-7
Idaho.....	50	118	47	6.7
Montana.....	w	w	w	w
Nevada.....	w	w	w	w
New Mexico.....	w	w	w	w
Utah.....	5	7	11	-56.9
Wyoming.....	87	79	88	-1.4
<b>Pacific Total</b> .....	<b>224</b>	<b>245</b>	<b>234</b>	<b>-4.3</b>
Alaska.....	-	-	-	-
California.....	155	133	179	-13.3
Hawaii .....	w	w	w	w
Oregon .....	w	w	w	w
Washington.....	20	28	29	-30.7
<b>U.S. Total</b> .....	<b>4,433</b>	<b>5,702</b>	<b>5,507</b>	<b>-19.5</b>

<sup>w</sup> Withheld to avoid disclosure of individual company data.

Notes: Total may not equal sum of components because of independent rounding. Other industrial plants include manufacturing plants only.

Source: Energy Information Administration, Form EIA-3, "Quarterly Coal Consumption Report - Manufacturing Plants."

**Table 49. U.S. Coal Stocks at Manufacturing Plants by Standard Industrial Classification (SIC) Code**  
(Thousand Short Tons)

SIC Code	March 31, 1996	December 31, 1995	March 31, 1995	Percent Difference March 31: 1996 versus 1995
20 Food and kindred products.....	527	861	521	1.0
21 Tobacco products.....	33	43	50	-34.6
22 Textile mill products.....	115	126	135	-14.8
23 Apparel, other textile products.....	w	w	w	w
24 Lumber and wood products.....	15	25	21	-27.0
25 Furniture and fixtures.....	6	23	18	-66.5
26 Paper and allied products.....	914	1,079	1,092	-16.4
27 Printing and publishing.....	w	w	w	w
28 Chemicals, allied products.....	726	823	1,003	-27.6
29 Petroleum and coal products <sup>1</sup> .....	72	96	156	-54.1
30 Rubber, misc. plastic products.....	9	12	12	-28.1
31 Leather, leather products.....	w	w	w	w
32 Stone, clay, glass products.....	1,398	1,695	1,612	-13.3
33 Primary metal industries <sup>2</sup> .....	436	617	565	-22.9
34 Fabricated metal products.....	36	58	54	-33.7
35 Machinery, except electric.....	19	78	53	-65.0
36 Electric, electronic equipment.....	6	12	14	-52.3
37 Transportation equipment.....	w	w	w	w
38 Instruments, related products.....	w	w	w	w
39 Misc. manufacturing industries.....	w	w	w	w
<b>U.S. Total.....</b>	<b>4,433</b>	<b>5,702</b>	<b>5,507</b>	<b>-19.5</b>

<sup>1</sup> Includes coal gasification projects.

<sup>2</sup> Excludes coke plants.

<sup>w</sup> Withheld to avoid disclosure of individual company data.

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

Source: Energy Information Administration, Form EIA-3, "Quarterly Coal Consumption Report - Manufacturing Plants."

**Table 50. Coke and Breeze Stocks at Coke Plants**  
(Thousand Short Tons)

	March 31, 1996	December 31, 1995	March 31, 1995	Percent Difference March 31: 1996 versus 1995
<b>Coke Total.....</b>	<b>1,144</b>	<b>1,302</b>	<b>897</b>	<b>27.5</b>
<b>By State</b>				
Alabama.....	77	81	64	20.5
Illinois.....	w	w	w	w
Indiana.....	360	393	203	77.4
Kentucky.....	w	w	w	w
Michigan.....	w	w	w	w
New York.....	w	w	w	w
Ohio.....	152	196	73	109.7
Pennsylvania.....	227	191	191	19.1
Utah.....	w	w	w	w
Virginia.....	w	w	w	w
West Virginia.....	w	w	w	w
<b>By Plant Type</b>				
Merchant Coke Plants.....	115	112	109	5.5
Furnace Coke Plants.....	1,029	1,189	788	30.6
<b>Breeze Total.....</b>	<b>135</b>	<b>136</b>	<b>89</b>	<b>51.2</b>

<sup>w</sup> Withheld to avoid disclosure of individual company data.

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

Source: Energy Information Administration, Form EIA-5, "Coke Plant Report - Quarterly."

**Table 51. Coal Stocks at Coal Producers and Distributors by Coal-Producing State**  
(Thousand Short Tons)

Coal-Producing State	March 31, 1996	December 31, 1995	March 31, 1995	Percent Difference March 31: 1996 versus 1995
Alabama.....	1,266	1,358	1,532	-17.4
Alaska.....	18	26	52	-65.9
Arizona.....	2,785	2,760	2,834	-1.7
Arkansas.....	4	4	2	115.0
Colorado.....	552	1,063	1,493	-63.0
Illinois.....	2,171	2,069	2,995	-27.5
Indiana.....	420	611	921	-54.3
Kansas.....	17	27	34	-49.1
Kentucky Total.....	5,115	4,777	7,243	-29.4
Eastern.....	3,885	4,088	5,637	-31.1
Western.....	1,230	689	1,607	-23.5
Louisiana.....	235	309	39	NM
Maryland.....	86	269	427	-79.8
Missouri.....	1	-	-	-
Montana.....	804	718	831	-3.3
New Mexico.....	2,869	2,015	1,741	64.8
North Dakota.....	1,652	1,797	1,698	-2.7
Ohio.....	1,103	1,374	1,142	-3.4
Oklahoma.....	*	2	3	-94.2
Pennsylvania Total.....	2,902	2,487	4,541	-36.1
Anthracite.....	279	389	330	-15.2
Bituminous.....	2,622	2,098	4,211	-37.7
Tennessee.....	42	88	82	-48.5
Texas.....	1,530	864	1,048	45.9
Utah.....	2,343	1,946	2,077	12.8
Virginia.....	2,619	1,649	1,100	138.1
Washington.....	1	59	66	-98.3
West Virginia Total.....	6,367	6,176	8,568	-25.7
Northern.....	1,512	1,959	2,688	-43.7
Southern.....	4,855	4,217	5,880	-17.4
Wyoming.....	1,948	1,997	1,992	-2.2
<b>Appalachian Total.....</b>	<b>18,270</b>	<b>17,489</b>	<b>23,028</b>	<b>-20.7</b>
<b>Interior Total.....</b>	<b>5,609</b>	<b>4,575</b>	<b>6,649</b>	<b>-15.6</b>
<b>Western Total.....</b>	<b>12,972</b>	<b>12,381</b>	<b>12,783</b>	<b>1.5</b>
<b>East of the Miss. River.....</b>	<b>22,091</b>	<b>20,858</b>	<b>28,550</b>	<b>-22.6</b>
<b>West of the Miss. River.....</b>	<b>14,760</b>	<b>13,587</b>	<b>13,909</b>	<b>6.1</b>
<b>U.S. Total.....</b>	<b>36,851</b>	<b>34,444</b>	<b>42,460</b>	<b>-13.2</b>

\* Rounded to zero.

NM Percent change calculation not meaningful as value is greater than 500.

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

Source: Energy Information Administration, Form EIA-6, Schedule Q, "Quarterly Coal Report"; and, Form EIA-6, "Coal Distribution Report."

# **Appendix A**

## **U.S. Coal Imports**

## Appendix A

# U.S. Coal Imports

Coal imports in the first quarter of 1996 totaled 1.7 million short tons, down from 2.1 million short tons in the fourth quarter of 1995, a 17.3-percent decline, and a 4.6-percent drop below the first quarter of 1995. This 3-month total represents less than 1 percent of total domestic coal consumption. Coal imports for the first quarter of 1996 were valued at \$57.4 million based on an average price of \$33.52 per short ton.

Over one-third of total U.S. coal imports came from Colombia, which remains the largest supplier of imported coal, shipping 628,902 short tons in the first quarter of 1996. However, this represents a 21-percent decrease from the previous quarter and is 19.6 percent lower than the first-quarter 1995 level. Colombian coal shipments, which accounted for most of the 3-month loss went primarily to electric utilities. Coal imports from Venezuela totaled 394,064 short tons in the first quarter of 1996, a decline of 29.7 percent from the fourth quarter of 1995 and 20.1 percent below the first quarter of 1995. The United States also

imported 364,462 short tons of Canadian coal, 64.2 percent more than in the first quarter of 1995.

Coal imports to U.S. electric utility plants dropped by 26.2 percent in the first quarter of 1996 compared with the same 3-month period in 1995. Most of this decrease can be attributed to lower deliveries from Venezuela and Indonesia, down 24.9 percent and 64 percent, respectively, from the comparable 1995 period. Another significant portion of the decline was due to lower coal shipments from Colombia, 13.4 percent less than a year ago.

New England Power's Salem Harbor Plant, the only U.S. electric utility importing more Venezuelan coal during the first quarter than in the comparable quarter a year ago, received 150,900 short tons, 12 percent higher than last year. This was offset by lower coal receipts from Venezuela at Gulf Power's Crist Plant and New England Power's Brayton Point Plant, down 9.6 percent and 69.6 percent, respectively. The Brayton Point Plant received only 40,700 short tons of coal in the first quarter of 1996, compared with 133,900 short tons in the same quarter of 1995. For the first time in 2 years, the Port Wentworth Plant of Savannah Electric and Power received 28,300 short tons of coal from Venezuela. Tampa Electric's Davant Transfer Plant received 71 thousand short tons from Indonesia in the first quarter, 64 percent lower than the comparable quarter in 1995. Indonesian coal prices averaged \$39.08 per short tons, 21 percent higher than the same period in 1995. First-quarter 1996 Colombian coal shipments went primarily to utilities in Florida and New England. Jacksonville Electric Authority's St. John's River Plant received 304,100 short tons, 34.5 percent less than a year earlier.

**Table A1. Quantity and Average Price of U.S. Coal Imports, 1988-1996**  
(Thousand Short Tons and Dollars per Short Ton)

Year	January - March		April - June		July - September		October - December		U.S. Total	
	Quantity	Average Price	Quantity	Average Price	Quantity	Average Price	Quantity	Average Price	Quantity	Average Price
1988.....	542	\$28.94	587	\$33.74	437	\$26.77	567	\$29.47	2,134	\$29.96
1989.....	531	33.65	687	34.19	925	34.92	708	33.44	2,851	34.14
1990.....	735	35.07	674	33.67	514	32.05	776	36.14	2,699	34.45
1991.....	938	33.71	730	34.60	984	31.45	738	33.16	3,390	33.12
1992.....	679	33.63	1,043	32.96	882	34.43	1,199	33.08	3,803	33.46
1993.....	1,213	30.70	1,093	32.26	2,142	29.52	2,861	28.91	7,309	29.89
1994.....	1,850	28.86	1,577	28.73	2,304	30.92	1,853	31.93	7,584	30.21
1995.....	1,795	32.33	1,609	36.16	1,725	33.61	2,071	34.54	7,201	34.13
1996.....	1,713	33.52	NA	NA	NA	NA	NA	NA	1,713	33.52

NA Not available.

Notes: Average price is based on the customs import value. Total may not equal sum of components because of independent rounding. Coal imports include coal to Puerto Rico and the Virgin Islands.

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

**Table A2. Quantity and Average Price of U.S. Coal Imports by Origin, 1988-1996**

(Thousand Short Tons and Dollars per Short Ton)

Year and Quarter	Australia	Canada	Colombia	Indonesia	Malaysia	Venezuela	Other Countries	Total
<b>Quantity</b>								
1988 .....	66	552	1,225	—	—	203	88	<b>2,134</b>
1989 .....	35	1,004	1,339	—	—	357	117	<b>2,851</b>
1990 .....	24	973	1,428	—	—	263	12	<b>2,699</b>
1991 .....	31	935	1,881	7	—	535	*	<b>3,390</b>
1992 .....	101	1,021	1,763	253	53	539	72	<b>3,803</b>
1993 .....	100	1,051	4,117	708	—	1,298	34	<b>7,309</b>
1994 .....	92	1,253	3,390	1,130	—	1,531	188	<b>7,584</b>
<b>1995</b>								
January - March .....	44	222	782	254	—	493	*	<b>1,795</b>
April - June .....	72	353	454	176	—	488	67	<b>1,609</b>
July - September .....	50	383	704	284	—	305	*	<b>1,725</b>
October - December .....	46	363	797	305	—	560	*	<b>2,071</b>
<b>Total</b> .....	<b>212</b>	<b>1,320</b>	<b>2,737</b>	<b>1,018</b>	—	<b>1,846</b>	<b>68</b>	<b>7,201</b>
<b>1996</b>								
January - March .....	78	364	629	248	—	394	*	<b>1,713</b>
<b>Total</b> .....	<b>78</b>	<b>364</b>	<b>629</b>	<b>248</b>	—	<b>394</b>	*	<b>1,713</b>
<b>Average Price</b>								
1988 .....	\$29.86	\$31.44	\$28.83	—	—	\$26.09	\$45.43	<b>\$29.96</b>
1989 .....	34.44	25.73	35.49	—	—	33.48	33.40	<b>31.97</b>
1990 .....	41.73	24.45	36.87	—	—	41.50	37.81	<b>33.43</b>
1991 .....	37.97	25.10	32.87	—	—	40.87	—	<b>32.34</b>
1992 .....	36.07	27.88	32.25	\$40.94	\$47.06	35.61	25.72	<b>32.48</b>
1993 .....	31.56	29.02	27.26	42.70	—	28.87	26.22	<b>29.36</b>
1994 .....	30.02	30.61	27.46	33.80	—	32.41	29.33	<b>29.98</b>
<b>1995</b>								
January - March .....	31.49	27.14	30.67	32.27	—	33.01	—	<b>31.28</b>
April - June .....	29.68	33.67	31.19	41.79	—	36.56	46.42	<b>34.94</b>
July - September .....	31.37	34.48	30.25	35.54	—	35.85	25.70	<b>33.05</b>
October - December .....	32.18	31.96	32.38	33.30	—	35.40	25.70	<b>33.32</b>
<b>Total</b> .....	<b>30.99</b>	<b>32.59</b>	<b>31.15</b>	<b>35.13</b>	—	<b>35.14</b>	<b>46.29</b>	<b>33.11</b>
<b>1996</b>								
January - March .....	33.84	28.55	31.15	39.04	—	33.74	22.68	<b>32.60</b>
<b>Total</b> .....	<b>33.84</b>	<b>28.55</b>	<b>31.15</b>	<b>39.04</b>	—	<b>33.74</b>	<b>22.68</b>	<b>32.60</b>

\* Rounded to zero.

Notes: Total may not equal sum of components because of independent rounding. Average price is based on the customs import value. Beginning in 1989, the average prices presented in this table are representative prices for coal imports that fall within the range of \$20 and \$50, inclusively. Therefore, the *Total* price column in this table will not equal the *U.S. Total* prices in Table A1. Coal imports include coal to Puerto Rico and the Virgin Islands.

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



**Table A3. U. S. Coal Imports by Origin and by Customs District**  
(Short Tons)

Customs District	January - March 1996	October - December 1995	January - March 1995	Year to Date		
				1996	1995	Percent Change
<b>U.S. Total</b> .....	<b>1,713,341</b>	<b>2,071,051</b>	<b>1,795,257</b>	<b>1,713,341</b>	<b>1,795,257</b>	<b>-4.6</b>
<b>Exporting Country: Australia</b>						
Honolulu, HI.....	77,842	45,957	43,684	77,842	43,684	78.2
<b>Total</b> .....	<b>77,842</b>	<b>45,957</b>	<b>43,684</b>	<b>77,842</b>	<b>43,684</b>	<b>78.2</b>
<b>Exporting Country: Canada</b>						
Chicago, IL.....	88,146	29,411	6,639	88,146	6,639	NM
Detroit, MI.....	28,063	119,946	-	28,063	-	-
Duluth, MN.....	87,518	62,453	48,955	87,518	48,955	78.8
Great Falls, MT.....	-	-	414	-	414	-
Pembina, ND.....	160,685	150,764	159,908	160,685	159,908	.5
Ogdensburg, NY.....	50	-	-	50	-	-
Seattle, WA.....	-	-	6,102	-	6,102	-
<b>Total</b> .....	<b>364,462</b>	<b>362,574</b>	<b>222,018</b>	<b>364,462</b>	<b>222,018</b>	<b>64.2</b>
<b>Exporting Country: Colombia</b>						
Mobile, AL.....	61,908	69,000	30,854	61,908	30,854	100.6
Tampa, FL.....	304,095	326,779	464,200	304,095	464,200	-34.5
Boston, MA.....	190,880	287,259	173,674	190,880	173,674	9.9
Baltimore, MD.....	-	-	28,328	-	28,328	-
Portland, ME.....	44,624	29,057	27,477	44,624	27,477	62.4
Buffalo, NY.....	31	2,034	-	31	-	-
Philadelphia, PA.....	27,364	-	27,328	27,364	27,328	.1
San Juan, PR.....	-	82,411	30,547	-	30,547	-
<b>Total</b> .....	<b>628,902</b>	<b>796,540</b>	<b>782,408</b>	<b>628,902</b>	<b>782,408</b>	<b>-19.6</b>
<b>Exporting Country: Indonesia</b>						
Honolulu, HI.....	170,494	170,855	112,770	170,494	112,770	51.2
New Orleans, LA.....	77,160	134,639	140,968	77,160	140,968	-45.3
<b>Total</b> .....	<b>247,654</b>	<b>305,494</b>	<b>253,738</b>	<b>247,654</b>	<b>253,738</b>	<b>-2.4</b>
<b>Exporting Country: Venezuela</b>						
Mobile, AL.....	127,703	294,231	196,780	127,703	196,780	-35.1
Boston, MA.....	233,016	230,983	215,605	233,016	215,605	8.1
Portland, ME.....	-	28,004	58,577	-	58,577	-
San Juan, PR.....	33,345	7,069	-	33,345	-	-
Virgin Islands.....	-	-	22,046	-	22,046	-
<b>Total</b> .....	<b>394,064</b>	<b>560,287</b>	<b>493,008</b>	<b>394,064</b>	<b>493,008</b>	<b>-20.1</b>
<b>Other Exporting Countries</b>						
San Diego, CA.....	-	-	49	-	49	-
Chicago, IL.....	-	-	26	-	26	-
New York City, NY.....	-	143	236	-	236	-
Laredo, TX.....	417	56	90	417	90	363.3
<b>Total</b> .....	<b>417</b>	<b>199</b>	<b>401</b>	<b>417</b>	<b>401</b>	<b>4.0</b>

NM Changes of 500 percent or more are not shown.

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

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

**Table A4. Average Price of U.S. Coal Imports by Origin and by Customs District**  
(Dollars per Short Ton)

Customs District	January - March 1996	October - December 1995	January - March 1995	Year to Date		
				1996	1995	Percent Change
<b>Total</b> .....	<b>\$32.60</b>	<b>\$33.32</b>	<b>\$31.28</b>	<b>\$32.60</b>	<b>\$31.28</b>	<b>4.2</b>
<b>Exporting Country: Australia</b>						
Honolulu, HI .....	\$33.84	\$32.18	\$31.49	\$33.84	\$31.49	7.4
<b>Total</b> .....	<b>33.84</b>	<b>32.18</b>	<b>31.49</b>	<b>33.84</b>	<b>31.49</b>	<b>7.4</b>
<b>Exporting Country: Canada</b>						
Chicago, IL .....	\$20.30	—	—	\$20.30	—	—
Detroit, MI .....	43.12	\$41.23	—	43.12	—	—
Duluth, MN .....	48.96	—	—	48.96	—	—
Pembina, ND .....	25.82	24.14	\$27.15	25.82	\$27.15	-4.9
Seattle, WA .....	—	—	26.91	—	26.91	—
<b>Total</b> .....	<b>28.55</b>	<b>31.96</b>	<b>27.14</b>	<b>28.55</b>	<b>27.14</b>	<b>5.2</b>
<b>Exporting Country: Colombia</b>						
Mobile, AL .....	\$27.36	\$27.37	\$26.96	\$27.36	\$26.96	1.5
Tampa, FL .....	32.20	32.13	31.03	32.20	31.03	3.8
Boston, MA .....	29.16	33.25	28.84	29.16	28.84	1.1
Baltimore, MD .....	—	—	33.52	—	33.52	—
Portland, ME .....	33.76	30.84	30.70	33.76	30.70	10.0
Philadelphia, PA .....	37.73	—	33.74	37.73	33.74	11.8
San Juan, PR .....	—	35.15	34.06	—	34.06	—
<b>Total</b> .....	<b>31.15</b>	<b>32.38</b>	<b>30.67</b>	<b>31.15</b>	<b>30.67</b>	<b>1.6</b>
<b>Exporting Country: Indonesia</b>						
Honolulu, HI .....	\$43.42	\$43.15	\$42.97	\$43.42	\$42.97	1.1
New Orleans, LA .....	29.35	20.81	23.71	29.35	23.71	23.8
<b>Total</b> .....	<b>39.04</b>	<b>33.30</b>	<b>32.27</b>	<b>39.04</b>	<b>32.27</b>	<b>21.0</b>
<b>Exporting Country: Venezuela</b>						
Mobile, AL .....	\$40.79	\$40.79	\$40.67	\$40.79	\$40.67	0.3
Boston, MA .....	30.00	29.22	27.97	30.00	27.97	7.3
Portland, ME .....	—	30.53	26.97	—	26.97	—
San Juan, PR .....	32.89	32.25	—	32.89	—	—
Virgin Islands .....	—	—	29.94	—	29.94	—
<b>Total</b> .....	<b>33.74</b>	<b>35.40</b>	<b>33.01</b>	<b>33.74</b>	<b>33.01</b>	<b>2.2</b>
<b>Other Exporting Countries</b>						
New York City, NY .....	—	\$25.70	—	—	—	—
Laredo, TX .....	\$22.68	—	—	\$22.68	—	—
<b>Total</b> .....	<b>22.68</b>	<b>25.70</b>	—	<b>22.68</b>	—	—

Notes: Total may not equal sum of components because of independent rounding. Average price is based on the customs import value. Beginning in 1989, the average prices presented in this table are representative prices for coal imports that fall within the range of \$20 and \$50, inclusively. Therefore, the *Total* price column in this table will not equal the *U.S. Total* prices in Table A1.

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

**Table A5. Imported Coal Received at Electric Utility Plants by Origin**  
(Short Tons)

Company and Plant	January - March 1996	October - December 1995	January - March 1995	Year to Date		
				1996	1995	Percent Change
<b>U.S. Total</b> .....	<b>1,052,434</b>	<b>1,152,042</b>	<b>1,425,884</b>	<b>1,052,434</b>	<b>1,425,884</b>	<b>-26.2</b>
<b>Exporting Country: Canada</b>						
Takoma Dept. of Public Utilities, Steam No.2 .....	-	5,640	6,040	-	6,040	-
<b>Total</b> .....	<b>-</b>	<b>5,640</b>	<b>6,040</b>	<b>-</b>	<b>6,040</b>	<b>-</b>
<b>Exporting Country: Colombia</b>						
Delmarva Power and Light, Indian River .....	-	7,143	-	-	-	-
Jacksonville Electric Authority, St Johns River .....	304,100	342,760	464,190	304,100	464,190	-34.5
New England Power (NEES), Brayton Point.....	104,100	111,800	118,900	104,100	118,900	-12.4
New England Power (NEES), Salem Harbor.....	88,000	85,400	-	88,000	-	-
Public Serv Co of New Hampshire, Schiller .....	32,325	-	27,477	32,325	27,477	17.6
<b>Total</b> .....	<b>528,525</b>	<b>547,103</b>	<b>610,567</b>	<b>528,525</b>	<b>610,567</b>	<b>-13.4</b>
<b>Exporting Country: Indonesia</b>						
Public Serv Co of New Hampshire, Schiller .....	-	39,772	-	-	-	-
Tampa Electric, Davant Transfer.....	77,159	64,823	214,217	77,159	214,217	-64.0
<b>Total</b> .....	<b>77,159</b>	<b>104,595</b>	<b>214,217</b>	<b>77,159</b>	<b>214,217</b>	<b>-64.0</b>
<b>Exporting Country: Venezuela</b>						
Central Hudson Gas & Electric, Danskammer .....	-	-	28,189	-	28,189	-
Gulf Power, Crist.....	143,850	157,650	159,150	143,850	159,150	-9.6
Gulf Power, Smith.....	83,000	3,050	84,400	83,000	84,400	-1.7
New England Power (NEES), Brayton Point.....	40,700	219,100	133,900	40,700	133,900	-69.6
New England Power (NEES), Salem Harbor.....	150,900	86,900	135,000	150,900	135,000	11.8
Public Serv Co of New Hampshire, Schiller .....	-	28,004	54,421	-	54,421	-
Savannah Electric and Power, Port Wentworth .....	28,300	-	-	28,300	-	-
<b>Total</b> .....	<b>446,750</b>	<b>494,704</b>	<b>595,060</b>	<b>446,750</b>	<b>595,060</b>	<b>-24.9</b>

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

Source: Federal Energy Regulatory Commission FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

**Table A6. Cost and Quality of Imported Coal Received at Electric Utility Plants by Origin, 1990-1996**

Exporting Country and Time Period	Quantity (thousand short tons)	Average Quality <sup>1</sup>			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
<b>Company and Plant: Baltimore Gas and Electric, Brandon Shores</b>						
<b>Colombia</b>						
1993.....	224.0	12,354	0.64	6.32	149.8	37.02
1994.....	88.0	12,379	.66	7.36	147.3	36.46
<b>Company and Plant: Cajun Electric Power Coop, Big Cajun No. 2</b>						
<b>Indonesia</b>						
1994.....	169.2	9,702	0.10	1.20	166.8	32.36
<b>Company and Plant: Carolina Power and Light, Sutton</b>						
<b>Colombia</b>						
1994.....	26.6	12,200	0.70	9.00	145.5	35.50
<b>Company and Plant: Central Hudson Gas &amp; Electric, Danskammer</b>						
<b>Venezuela</b>						
1995						
January - March.....	28.2	13,281	0.56	7.30	224.1	59.53
<b>Total</b> .....	<b>28.2</b>	<b>13,281</b>	<b>.56</b>	<b>7.30</b>	<b>224.1</b>	<b>59.53</b>
<b>Company and Plant: Central Power and Light (CSW), Coletto Creek</b>						
<b>Colombia</b>						
1992.....	37.2	12,892	0.62	7.90	174.5	44.99
1993.....	122.5	12,109	.60	5.90	148.5	35.98
1994.....	153.4	11,929	.55	5.03	148.9	35.51
<b>Venezuela</b>						
1992.....	42.5	13,214	.66	7.20	175.8	46.46
<b>Company and Plant: Delmarva Power &amp; Light, Edgemoor</b>						
<b>Colombia</b>						
1994.....	22.0	12,370	0.58	5.98	168.2	41.61
<b>Company and Plant: Delmarva Power and Light, Indian River</b>						
<b>Colombia</b>						
1995						
October - December.....	7.1	13,141	0.75	7.07	180.3	47.39
<b>Total</b> .....	<b>7.1</b>	<b>13,141</b>	<b>.75</b>	<b>7.07</b>	<b>180.3</b>	<b>47.39</b>
<b>Company and Plant: Detroit Edison Co, River Rouge</b>						
<b>Canada</b>						
1994.....	57.0	11,005	0.23	10.28	149.9	32.99
<b>Company and Plant: Florida Power Corp, IMT Transfer</b>						
<b>Venezuela</b>						
1994.....	84.4	12,778	0.64	6.50	156.3	39.93
<b>Company and Plant: Gulf Power, Crist</b>						
<b>Colombia</b>						
1993.....	280.2	11,983	0.59	5.53	188.5	45.18
1994.....	29.8	12,239	.59	5.30	160.9	39.38

See footnotes at the end of Table A6.

**Table A6. Cost and Quality of Imported Coal Received at Electric Utility Plants by Origin, 1990-1996 (Continued)**

Exporting Country and Time Period	Quantity (thousand short tons)	Average Quality <sup>1</sup>			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
<b>Company and Plant: Gulf Power, Crist</b>						
<b>Venezuela</b>						
1993.....	234.8	12,992	0.59	6.11	172.2	44.75
1994.....	283.4	12,252	1.03	6.28	216.9	53.15
<b>1995</b>						
January - March.....	159.1	12,327	.94	6.13	230.7	56.88
April - June.....	213.4	12,388	.86	6.40	230.4	57.07
July - September.....	246.5	12,392	.94	6.38	231.0	57.25
October - December.....	157.6	12,321	.92	6.16	231.5	57.04
<b>Total</b> .....	<b>776.7</b>	<b>12,363</b>	<b>.92</b>	<b>6.29</b>	<b>230.9</b>	<b>57.09</b>
<b>1996</b>						
January - March.....	143.8	12,242	.94	6.06	231.6	56.70
<b>Total</b> .....	<b>143.8</b>	<b>12,242</b>	<b>.94</b>	<b>6.06</b>	<b>231.6</b>	<b>56.70</b>
<b>Company and Plant: Gulf Power, Scholtz</b>						
<b>Colombia</b>						
1993.....	7.5	12,170	0.62	7.50	164.4	40.01
<b>Venezuela</b>						
1993.....	16.0	12,958	.58	6.10	170.6	44.20
<b>Company and Plant: Gulf Power, Smith</b>						
<b>Colombia</b>						
1993.....	198.2	11,823	0.61	5.96	184.6	43.65
1994.....	286.6	12,299	.61	4.17	172.3	42.39
<b>South Africa</b>						
1994.....	127.3	11,318	.65	12.60	181.1	41.00
<b>Venezuela</b>						
1994.....	53.8	12,272	.96	6.52	229.1	56.24
<b>1995</b>						
January - March.....	84.4	12,197	.95	6.51	236.5	57.70
April - June.....	6.2	12,267	.88	6.97	234.3	57.49
July - September.....	20.9	12,189	1.26	6.53	235.3	57.36
October - December.....	3.0	12,284	.91	6.00	235.0	57.73
<b>Total</b> .....	<b>114.6</b>	<b>12,202</b>	<b>1.00</b>	<b>6.52</b>	<b>236.1</b>	<b>57.63</b>
<b>1996</b>						
January - March.....	83.0	12,193	.96	5.98	234.9	57.28
<b>Total</b> .....	<b>83.0</b>	<b>12,193</b>	<b>.96</b>	<b>5.98</b>	<b>234.9</b>	<b>57.28</b>
<b>Company and Plant: Holyoke Water Power (NU), Mount Tom</b>						
<b>Indonesia</b>						
1994.....	7.9	12,651	0.43	3.30	195.4	49.44
<b>Company and Plant: Jacksonville Electric Authority, St Johns River</b>						
<b>Colombia</b>						
1990.....	1,007.7	11,938	0.74	6.58	171.6	40.96
1991.....	1,582.6	11,978	.73	7.04	153.1	36.68
1992.....	1,418.6	11,897	.71	6.91	150.0	35.70
1993.....	2,291.2	11,849	.68	7.21	136.9	32.44
1994.....	2,032.1	11,883	.69	7.40	135.6	32.22
<b>1995</b>						
January - March.....	464.2	11,884	.70	7.39	148.0	35.18
April - June.....	133.7	11,752	.66	7.90	152.1	35.75
July - September.....	400.0	11,810	.66	7.48	153.8	36.32
October - December.....	342.8	11,797	.64	7.61	153.2	36.14
<b>Total</b> .....	<b>1,340.6</b>	<b>11,826</b>	<b>.67</b>	<b>7.52</b>	<b>151.5</b>	<b>35.82</b>

See footnotes at the end of Table A6.

**Table A6. Cost and Quality of Imported Coal Received at Electric Utility Plants by Origin, 1990-1996 (Continued)**

Exporting Country and Time Period	Quantity (thousand short tons)	Average Quality <sup>1</sup>			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
<b>Company and Plant: Jacksonville Electric Authority, St Johns River</b>						
<b>Colombia</b>						
<b>1996</b>						
January - March.....	304.1	11,824	0.63	7.50	153.4	36.27
<b>Total</b> .....	<b>304.1</b>	<b>11,824</b>	<b>.63</b>	<b>7.50</b>	<b>153.4</b>	<b>36.27</b>
<b>Venezuela</b>						
<b>1990</b> .....	40.1	12,288	.77	11.50	170.7	41.95
<b>1991</b> .....	42.2	12,913	.56	8.90	126.9	32.77
<b>Company and Plant: Mississippi Power (Southern Co), Daniel</b>						
<b>Indonesia</b>						
<b>1993</b> .....	67.5	9,745	0.08	1.23	168.9	32.92
<b>Company and Plant: New England Power (NEES), Brayton Point</b>						
<b>Colombia</b>						
<b>1990</b> .....	30.1	12,837	0.76	8.70	177.3	45.52
<b>1993</b> .....	187.2	12,144	.64	5.42	178.5	43.35
<b>1994</b> .....	51.3	12,131	.65	5.60	172.2	41.78
<b>1995</b>						
January - March.....	118.9	12,218	.61	5.66	168.8	41.26
July - September.....	77.1	12,178	.61	5.31	162.1	39.48
October - December.....	111.8	12,247	.60	4.70	161.9	39.65
<b>Total</b> .....	<b>307.8</b>	<b>12,218</b>	<b>.60</b>	<b>5.22</b>	<b>164.6</b>	<b>40.23</b>
<b>1996</b>						
January - March.....	104.1	11,740	.64	5.45	156.7	36.80
<b>Total</b> .....	<b>104.1</b>	<b>11,740</b>	<b>.64</b>	<b>5.45</b>	<b>156.7</b>	<b>36.80</b>
<b>Venezuela</b>						
<b>1990</b> .....	69.8	12,773	.61	7.39	181.0	46.23
<b>1991</b> .....	83.7	13,390	.77	7.55	167.3	44.81
<b>1992</b> .....	129.0	13,375	.75	7.32	165.2	44.18
<b>1993</b> .....	239.9	13,132	.71	7.83	162.5	42.67
<b>1994</b> .....	351.2	12,955	.71	7.03	154.2	39.95
<b>1995</b>						
January - March.....	133.9	12,912	.66	7.38	163.6	42.25
April - June.....	71.9	12,879	.64	6.18	176.8	45.55
July - September.....	85.7	12,440	.68	7.19	153.2	38.11
October - December.....	219.1	12,819	.73	7.03	154.8	39.69
<b>Total</b> .....	<b>510.6</b>	<b>12,788</b>	<b>.69</b>	<b>7.03</b>	<b>160.0</b>	<b>40.92</b>
<b>1996</b>						
January - March.....	40.7	12,958	.75	7.30	158.6	41.11
<b>Total</b> .....	<b>40.7</b>	<b>12,958</b>	<b>.75</b>	<b>7.30</b>	<b>158.6</b>	<b>41.11</b>
<b>Company and Plant: New England Power (NEES), Salem Harbor</b>						
<b>Canada</b>						
<b>1992</b> .....	32.8	13,569	1.40	3.82	174.9	47.46
<b>Colombia</b>						
<b>1990</b> .....	74.7	12,176	.66	5.07	195.7	47.65
<b>1994</b> .....	84.2	12,017	.57	6.07	159.9	38.44
<b>1995</b>						
April - June.....	83.8	12,110	.58	5.60	141.0	34.14
July - September.....	80.9	12,136	.57	5.32	139.3	33.80
October - December.....	85.4	12,250	.65	4.88	162.8	39.88
<b>Total</b> .....	<b>250.1</b>	<b>12,166</b>	<b>.60</b>	<b>5.26</b>	<b>147.9</b>	<b>35.99</b>
<b>1996</b>						
January - March.....	88.0	12,148	.58	5.62	146.7	35.63
<b>Total</b> .....	<b>88.0</b>	<b>12,148</b>	<b>.58</b>	<b>5.62</b>	<b>146.7</b>	<b>35.63</b>

See footnotes at the end of Table A6.

**Table A6. Cost and Quality of Imported Coal Received at Electric Utility Plants by Origin, 1990-1996 (Continued)**

Exporting Country and Time Period	Quantity (thousand short tons)	Average Quality <sup>1</sup>			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
<b>Company and Plant: New England Power (NEES), Salem Harbor</b>						
<b>Venezuela</b>						
1992.....	34.8	12,893	0.58	7.02	145.3	37.47
1993.....	236.2	12,921	.57	6.65	162.5	41.99
1994.....	565.5	12,678	.64	6.49	159.6	40.47
<b>1995</b>						
January - March.....	135.0	12,937	.66	5.96	164.6	42.59
April - June.....	94.5	12,783	.63	6.78	164.1	41.95
July - September.....	76.7	12,817	.67	6.31	173.9	44.59
October - December.....	86.9	12,798	.62	6.48	146.8	37.56
<b>Total</b> .....	<b>393.1</b>	<b>12,846</b>	<b>.65</b>	<b>6.34</b>	<b>162.4</b>	<b>41.72</b>
<b>1996</b>						
January - March.....	150.9	12,856	.72	6.25	153.4	39.43
<b>Total</b> .....	<b>150.9</b>	<b>12,856</b>	<b>.72</b>	<b>6.25</b>	<b>153.4</b>	<b>39.43</b>
<b>Company and Plant: Ohio Edison, Burger Plant</b>						
<b>Indonesia</b>						
1992.....	13.1	9,587	0.14	1.20	166.9	32.00
<b>Company and Plant: Public Serv Co of Indiana, Gallagher</b>						
<b>Indonesia</b>						
1993.....	11.1	9,242	0.13	1.35	104.8	19.38
<b>Company and Plant: Public Serv Co of New Hampshire, Merrimack</b>						
<b>Colombia</b>						
1995						
April - June.....	11.5	11,578	0.53	3.80	192.9	44.67
<b>Total</b> .....	<b>11.5</b>	<b>11,578</b>	<b>.53</b>	<b>3.80</b>	<b>192.9</b>	<b>44.67</b>
<b>Indonesia</b>						
1993.....	21.2	12,620	.49	3.80	186.5	47.07
<b>Venezuela</b>						
1993.....	24.9	12,920	.58	6.00	163.2	42.17
<b>Company and Plant: Public Serv Co of New Hampshire, Schiller</b>						
<b>Canada</b>						
1990.....	33.6	13,459	1.30	5.90	181.0	48.72
<b>Colombia</b>						
1992.....	48.4	12,428	.61	6.31	157.2	39.08
1993.....	52.1	12,861	.64	7.49	150.0	38.59
1994.....	163.3	12,505	.62	5.55	135.5	33.89
<b>1995</b>						
January - March.....	27.5	12,271	.66	5.90	161.9	39.73
April - June.....	70.4	13,062	.62	7.54	161.3	42.14
July - September.....	25.0	12,312	.56	5.20	153.8	37.87
<b>Total</b> .....	<b>122.9</b>	<b>12,733</b>	<b>.62</b>	<b>6.70</b>	<b>160.0</b>	<b>40.73</b>
<b>1996</b>						
January - March.....	32.3	12,169	.66	5.68	161.9	39.41
<b>Total</b> .....	<b>32.3</b>	<b>12,169</b>	<b>.66</b>	<b>5.68</b>	<b>161.9</b>	<b>39.41</b>
<b>Indonesia</b>						
1993.....	16.0	12,620	.49	3.80	161.3	40.71
1994.....	113.0	12,360	.53	3.58	158.7	39.23
<b>1995</b>						
July - September.....	39.9	12,756	.50	3.52	174.4	44.49
October - December.....	39.8	11,842	.54	5.60	160.7	38.06
<b>Total</b> .....	<b>79.7</b>	<b>12,300</b>	<b>.52</b>	<b>4.56</b>	<b>167.8</b>	<b>41.28</b>

See footnotes at the end of Table A6.

**Table A6. Cost and Quality of Imported Coal Received at Electric Utility Plants by Origin, 1990-1996 (Continued)**

Exporting Country and Time Period	Quantity (thousand short tons)	Average Quality <sup>1</sup>			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
<b>Company and Plant: Public Serv Co of New Hampshire, Schiller</b>						
<b>Venezuela</b>						
1990.....	110.2	13,105	0.49	4.82	187.7	49.19
1991.....	207.1	12,989	.52	5.65	173.6	45.10
1992.....	34.3	12,881	.58	6.76	168.0	43.29
1993.....	84.3	12,972	.58	6.08	138.6	35.95
<b>1995</b>						
January - March.....	54.4	13,060	.69	7.25	154.8	40.44
October - December.....	28.0	13,011	.73	7.20	159.9	41.61
<b>Total.....</b>	<b>82.4</b>	<b>13,044</b>	<b>.71</b>	<b>7.24</b>	<b>156.5</b>	<b>40.84</b>
<b>Company and Plant: Public Serv Electric &amp; Gas-NJ, Hudson</b>						
<b>Colombia</b>						
1994.....	22.5	12,870	0.68	6.90	166.9	42.96
<b>Company and Plant: Savannah Electric and Power, Port Wentworth</b>						
<b>Colombia</b>						
1994.....	11.9	11,235	0.69	5.87	214.1	48.12
<b>Venezuela</b>						
1994.....	16.8	12,575	1.12	8.60	168.0	42.25
<b>1996</b>						
January - March.....	28.3	12,303	1.07	5.90	193.2	47.54
<b>Total.....</b>	<b>28.3</b>	<b>12,303</b>	<b>1.07</b>	<b>5.90</b>	<b>193.2</b>	<b>47.54</b>
<b>Company and Plant: Takoma Dept. of Public Utilities, Steam No.2</b>						
<b>Canada</b>						
1991.....	26.9	9,994	0.46	12.76	209.2	41.82
1992.....	15.3	9,993	.42	12.95	214.7	42.90
1993.....	29.2	10,036	.48	12.60	179.5	36.03
1994.....	6.3	9,806	.48	12.80	178.0	34.91
<b>1995</b>						
January - March.....	6.0	10,012	.48	13.00	166.0	33.24
July - September.....	12.1	10,139	.47	12.99	166.0	33.66
October - December.....	5.6	9,966	.46	13.59	166.0	33.09
<b>Total.....</b>	<b>23.8</b>	<b>10,066</b>	<b>.47</b>	<b>13.14</b>	<b>166.0</b>	<b>33.42</b>
<b>Company and Plant: Tampa Electric, Big Bend<sup>2</sup></b>						
<b>Indonesia</b>						
1991.....	24.3	9,815	0.07	1.20	227.3	44.62
<b>Company and Plant: Tampa Electric, Davant Transfer</b>						
<b>Colombia</b>						
1993.....	222.2	10,844	0.62	7.63	166.6	36.13
<b>Indonesia</b>						
1994.....	147.2	9,871	.09	1.10	143.0	28.24
<b>1995</b>						
January - March.....	214.2	9,710	.40	1.16	140.1	27.20
July - September.....	69.8	9,672	.10	1.10	149.7	28.96
October - December.....	64.8	9,676	.20	1.20	149.7	28.97
<b>Total.....</b>	<b>348.9</b>	<b>9,696</b>	<b>.31</b>	<b>1.16</b>	<b>143.8</b>	<b>27.88</b>
<b>1996</b>						
January - March.....	77.2	9,813	.11	1.30	149.7	29.38
<b>Total.....</b>	<b>77.2</b>	<b>9,813</b>	<b>.11</b>	<b>1.30</b>	<b>149.7</b>	<b>29.38</b>

See footnotes at the end of Table A6.



**Table A6. Cost and Quality of Imported Coal Received at Electric Utility Plants by Origin, 1990-1996 (Continued)**

Exporting Country and Time Period	Quantity (thousand short tons)	Average Quality <sup>1</sup>			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
<b>Company and Plant: Tampa Electric, Davant Transfer</b>						
<b>Venezuela</b>						
1993.....	61.4	11,056	1.48	9.78	220.7	48.80
<b>Total of U.S. Electric Utility Plants</b>						
<b>Canada</b>						
1990.....	33.6	13,459	1.30	5.90	181.0	48.72
1991.....	26.9	9,994	.46	12.76	209.2	41.82
1992.....	48.1	12,432	1.09	6.72	185.1	46.01
1993.....	29.2	10,036	.48	12.60	179.5	36.03
1994.....	63.3	10,885	.26	10.53	152.4	33.19
1995						
January - March.....	6.0	10,012	.48	13.00	166.0	33.24
July - September.....	12.1	10,139	.47	12.99	166.0	33.66
October - December.....	5.6	9,966	.46	13.59	166.0	33.09
<b>Total</b> .....	<b>23.8</b>	<b>10,066</b>	<b>.47</b>	<b>13.14</b>	<b>166.0</b>	<b>33.42</b>
<b>Colombia</b>						
1990.....	1,112.5	11,978	.73	6.54	173.4	41.53
1991.....	1,582.6	11,978	.73	7.04	153.1	36.68
1992.....	1,504.1	11,938	.70	6.91	150.9	36.04
1993.....	3,585.1	11,867	.66	6.85	149.0	35.37
1994.....	2,971.8	11,997	.66	6.76	142.7	34.25
1995						
January - March.....	610.6	11,966	.68	6.99	152.8	36.57
April - June.....	299.3	12,154	.62	7.01	152.8	37.14
July - September.....	583.0	11,925	.64	6.79	152.8	36.45
October - December.....	547.1	11,977	.63	6.58	156.9	37.59
<b>Total</b> .....	<b>2,040.1</b>	<b>11,985</b>	<b>.65</b>	<b>6.83</b>	<b>153.9</b>	<b>36.89</b>
1996						
January - March.....	528.5	11,882	.63	6.67	153.4	36.46
<b>Total</b> .....	<b>528.5</b>	<b>11,882</b>	<b>.63</b>	<b>6.67</b>	<b>153.4</b>	<b>36.46</b>
<b>Indonesia</b>						
1991.....	24.3	9,815	.07	1.20	227.3	44.62
1992.....	13.1	9,587	.14	1.20	166.9	32.00
1993.....	115.8	10,620	.22	2.07	166.1	35.29
1994.....	437.3	10,499	.22	1.82	157.4	33.06
1995						
January - March.....	214.2	9,710	.40	1.16	140.1	27.20
July - September.....	109.7	10,794	.25	1.98	160.3	34.61
October - December.....	104.6	10,500	.33	2.87	154.4	32.43
<b>Total</b> .....	<b>428.6</b>	<b>10,181</b>	<b>.35</b>	<b>1.79</b>	<b>149.2</b>	<b>30.37</b>
1996						
January - March.....	77.2	9,813	.11	1.30	149.7	29.38
<b>Total</b> .....	<b>77.2</b>	<b>9,813</b>	<b>.11</b>	<b>1.30</b>	<b>149.7</b>	<b>29.38</b>
<b>South Africa</b>						
1994.....	127.3	11,318	.65	12.60	181.1	41.00
<b>Venezuela</b>						
1990.....	220.1	12,851	.58	6.85	182.6	46.93
1991.....	333.0	13,080	.59	6.54	166.2	43.47
1992.....	240.6	13,206	.69	7.18	164.6	43.49
1993.....	897.5	12,874	.67	6.96	166.4	42.84
1994.....	1,355.2	12,649	.76	6.61	172.3	43.60
1995						
January - March.....	595.1	12,691	.78	6.59	193.4	49.09
April - June.....	386.1	12,574	.77	6.46	203.7	51.23
July - September.....	429.8	12,467	.85	6.54	205.3	51.18
October - December.....	494.7	12,664	.77	6.66	177.9	45.07
<b>Total</b> .....	<b>1,905.7</b>	<b>12,610</b>	<b>.79</b>	<b>6.57</b>	<b>194.1</b>	<b>48.95</b>
1996						
January - March.....	446.7	12,509	.86	6.21	195.8	48.98
<b>Total</b> .....	<b>446.7</b>	<b>12,509</b>	<b>.86</b>	<b>6.21</b>	<b>195.8</b>	<b>48.98</b>

<sup>1</sup> Data reported on quality of coal as received.

<sup>2</sup> Average cost data on coal delivered to Tampa Electric, Big Bend plant from the New Orleans transfer facility do not include the transportation cost of approximately \$5 per short ton from New Orleans to Tampa.

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

**Table A7. Cost and Quality of All Coal Received at Electric Utility Plants that Import Coal by Origin, 1990-1996**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality <sup>1</sup>			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
<b>Company and Plant: Baltimore Gas and Electric, Brandon Shores</b>						
<b>1990</b>						
Kentucky .....	406.0	12,942	0.73	7.88	159.6	41.30
Virginia .....	7.0	13,175	.56	8.70	168.4	44.37
West Virginia.....	1,449.0	12,681	.69	9.87	155.3	39.40
<b>Total .....</b>	<b>1,862.0</b>	<b>12,740</b>	<b>.70</b>	<b>9.43</b>	<b>156.3</b>	<b>39.83</b>
<b>1991</b>						
Kentucky .....	279.0	13,031	.65	7.36	156.5	40.78
West Virginia.....	2,033.0	12,783	.70	9.45	155.1	39.66
<b>Total .....</b>	<b>2,312.0</b>	<b>12,813</b>	<b>.70</b>	<b>9.20</b>	<b>155.3</b>	<b>39.80</b>
<b>1992</b>						
Kentucky .....	215.0	12,922	.73	7.38	154.9	40.04
West Virginia.....	2,318.0	12,692	.68	9.92	153.4	38.93
<b>Total .....</b>	<b>2,533.0</b>	<b>12,711</b>	<b>.68</b>	<b>9.70</b>	<b>153.5</b>	<b>39.03</b>
<b>1993</b>						
Kentucky .....	841.0	12,940	.70	7.64	158.0	40.89
West Virginia.....	1,583.0	12,700	.67	9.65	154.4	39.21
Colombia.....	224.0	12,354	.64	6.32	149.8	37.02
<b>Total .....</b>	<b>2,648.0</b>	<b>12,747</b>	<b>.68</b>	<b>8.73</b>	<b>155.2</b>	<b>39.56</b>
<b>1994</b>						
Kentucky .....	664.0	12,992	.72	7.72	156.5	40.66
Virginia .....	1.0	12,354	.74	9.30	147.2	36.37
West Virginia.....	2,728.0	12,496	.67	10.90	148.9	37.21
Colombia.....	88.0	12,379	.66	7.36	147.3	36.46
<b>Total .....</b>	<b>3,481.0</b>	<b>12,587</b>	<b>.68</b>	<b>10.20</b>	<b>150.3</b>	<b>37.85</b>
<b>1995</b>						
Kentucky .....	667.0	13,241	.73	6.41	152.5	40.39
West Virginia.....	2,787.0	12,457	.68	11.05	146.2	36.42
<b>Total .....</b>	<b>3,454.0</b>	<b>12,608</b>	<b>.69</b>	<b>10.15</b>	<b>147.5</b>	<b>37.19</b>
<b>1996</b>						
January - March						
Kentucky .....	206.0	13,012	.73	7.12	152.6	39.72
West Virginia.....	778.0	12,473	.69	11.04	143.4	35.78
<b>Total .....</b>	<b>984.0</b>	<b>12,585</b>	<b>.70</b>	<b>10.22</b>	<b>145.4</b>	<b>36.60</b>
<b>Year to Date</b>						
Kentucky.....	206.0	13,012	.73	7.12	152.6	39.72
West Virginia.....	778.0	12,473	.69	11.04	143.4	35.78
<b>Total .....</b>	<b>984.0</b>	<b>12,585</b>	<b>.70</b>	<b>10.22</b>	<b>145.4</b>	<b>36.60</b>
<b>Company and Plant: Cajun Electric Power Coop, Big Cajun No. 2</b>						
<b>1990</b>						
West Virginia.....	210.8	13,189	0.67	5.83	204.2	53.86
Wyoming.....	4,471.0	8,388	.43	5.33	167.7	28.14
<b>Total .....</b>	<b>4,681.8</b>	<b>8,604</b>	<b>.44</b>	<b>5.35</b>	<b>170.3</b>	<b>29.30</b>
<b>1991</b>						
West Virginia.....	152.5	13,180	.60	6.15	158.6	41.80
Wyoming.....	5,059.3	8,451	.41	5.20	152.8	25.82
<b>Total .....</b>	<b>5,211.8</b>	<b>8,590</b>	<b>.42</b>	<b>5.23</b>	<b>153.0</b>	<b>26.29</b>
<b>1992</b>						
Wyoming.....	5,343.7	8,368	.46	5.30	147.5	24.69
<b>Total .....</b>	<b>5,343.7</b>	<b>8,368</b>	<b>.46</b>	<b>5.30</b>	<b>147.5</b>	<b>24.69</b>
<b>1993</b>						
Wyoming.....	5,701.1	8,332	.43	5.27	151.9	25.31
<b>Total .....</b>	<b>5,701.1</b>	<b>8,332</b>	<b>.43</b>	<b>5.27</b>	<b>151.9</b>	<b>25.31</b>
<b>1994</b>						
Colorado.....	37.4	11,957	.45	8.01	156.4	37.40
Wyoming.....	5,588.0	8,442	.36	4.93	152.2	25.70
Indonesia.....	169.2	9,702	.10	1.20	166.8	32.36
<b>Total .....</b>	<b>5,794.6</b>	<b>8,502</b>	<b>.35</b>	<b>4.84</b>	<b>152.8</b>	<b>25.97</b>
<b>1995</b>						
Wyoming.....	5,844.5	8,469	.35	4.99	157.6	26.69
<b>Total .....</b>	<b>5,844.5</b>	<b>8,469</b>	<b>.35</b>	<b>4.99</b>	<b>157.6</b>	<b>26.69</b>
<b>1996</b>						
January - March						
Wyoming .....	1,398.1	8,499	.40	5.10	158.1	26.88
<b>Total .....</b>	<b>1,398.1</b>	<b>8,499</b>	<b>.40</b>	<b>5.10</b>	<b>158.1</b>	<b>26.88</b>

See footnotes at the end of Table A7.

**Table A7. Cost and Quality of All Coal Received at Electric Utility Plants that Import Coal by Origin, 1990-1996 (Continued)**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality <sup>1</sup>			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
<b>Company and Plant: Cajun Electric Power Coop, Big Cajun No. 2</b>						
<b>1996</b>						
<b>Year to Date</b>						
Wyoming .....	1,398.1	8,499	0.40	5.10	158.1	26.88
<b>Total .....</b>	<b>1,398.1</b>	<b>8,499</b>	<b>.40</b>	<b>5.10</b>	<b>158.1</b>	<b>26.88</b>
<b>Company and Plant: Carolina Power and Light, Sutton</b>						
<b>1990</b>						
Kentucky .....	294.1	12,602	1.11	9.42	189.6	47.78
West Virginia.....	276.4	12,744	1.00	11.48	182.1	46.42
<b>Total .....</b>	<b>570.5</b>	<b>12,670</b>	<b>1.06</b>	<b>10.42</b>	<b>185.9</b>	<b>47.12</b>
<b>1991</b>						
Kentucky .....	141.8	12,770	1.00	9.02	192.4	49.13
West Virginia.....	338.2	12,403	.96	12.76	179.4	44.51
<b>Total .....</b>	<b>480.0</b>	<b>12,512</b>	<b>.98</b>	<b>11.65</b>	<b>183.3</b>	<b>45.87</b>
<b>1992</b>						
Kentucky .....	434.3	12,498	.94	9.57	152.9	38.22
West Virginia.....	332.4	12,354	.90	11.40	157.9	39.02
<b>Total .....</b>	<b>766.7</b>	<b>12,436</b>	<b>.93</b>	<b>10.36</b>	<b>155.1</b>	<b>38.57</b>
<b>1993</b>						
Kentucky .....	542.1	12,601	1.00	9.14	157.9	39.79
Virginia .....	44.9	12,693	1.13	10.10	177.5	45.06
West Virginia.....	36.5	12,301	.77	10.12	177.3	43.61
<b>Total .....</b>	<b>623.5</b>	<b>12,590</b>	<b>1.00</b>	<b>9.27</b>	<b>160.4</b>	<b>40.39</b>
<b>1994</b>						
Kentucky .....	373.4	12,646	1.12	9.29	159.5	40.34
Virginia .....	10.0	12,866	1.09	9.06	174.2	44.81
West Virginia.....	161.7	12,458	.88	11.77	170.7	42.54
Colombia.....	26.6	12,200	.70	9.00	145.5	35.50
<b>Total .....</b>	<b>571.7</b>	<b>12,576</b>	<b>1.03</b>	<b>9.97</b>	<b>162.3</b>	<b>40.82</b>
<b>1995</b>						
Kentucky .....	495.6	12,584	1.00	9.14	150.7	37.93
West Virginia.....	132.3	12,703	.91	9.82	164.4	41.78
<b>Total .....</b>	<b>627.9</b>	<b>12,609</b>	<b>.98</b>	<b>9.29</b>	<b>153.6</b>	<b>38.74</b>
<b>1996</b>						
<b>January - March</b>						
Kentucky .....	289.5	12,550	1.00	9.32	149.1	37.43
West Virginia.....	34.7	12,428	.83	12.15	160.6	39.91
<b>Total .....</b>	<b>324.2</b>	<b>12,537</b>	<b>.98</b>	<b>9.63</b>	<b>150.3</b>	<b>37.70</b>
<b>Year to Date</b>						
Kentucky.....	289.5	12,550	1.00	9.32	149.1	37.43
West Virginia.....	34.7	12,428	.83	12.15	160.6	39.91
<b>Total .....</b>	<b>324.2</b>	<b>12,537</b>	<b>.98</b>	<b>9.63</b>	<b>150.3</b>	<b>37.70</b>
<b>Company and Plant: Central Hudson Gas &amp; Electric, Danskammer</b>						
<b>1990</b>						
Kentucky .....	409.6	13,316	0.53	7.40	205.0	54.60
West Virginia.....	524.9	12,885	.62	8.62	206.4	53.18
<b>Total .....</b>	<b>934.5</b>	<b>13,074</b>	<b>.58</b>	<b>8.08</b>	<b>205.8</b>	<b>53.80</b>
<b>1991</b>						
Kentucky .....	375.7	13,223	.54	7.50	205.8	54.41
West Virginia.....	498.3	12,889	.60	8.32	203.9	52.57
<b>Total .....</b>	<b>874.0</b>	<b>13,032</b>	<b>.57</b>	<b>7.97</b>	<b>204.7</b>	<b>53.36</b>
<b>1992</b>						
Kentucky .....	61.5	12,983	.64	6.62	185.4	48.13
West Virginia.....	819.9	13,021	.59	7.56	181.8	47.35
<b>Total .....</b>	<b>881.4</b>	<b>13,018</b>	<b>.59</b>	<b>7.50</b>	<b>182.1</b>	<b>47.40</b>
<b>1993</b>						
West Virginia.....	693.0	13,097	.62	7.55	184.7	48.38
<b>Total .....</b>	<b>693.0</b>	<b>13,097</b>	<b>.62</b>	<b>7.55</b>	<b>184.7</b>	<b>48.38</b>
<b>1994</b>						
Kentucky .....	348.6	12,963	.58	7.93	188.7	48.93
West Virginia.....	419.7	13,185	.66	7.54	192.5	50.76
<b>Total .....</b>	<b>768.2</b>	<b>13,084</b>	<b>.62</b>	<b>7.72</b>	<b>190.8</b>	<b>49.93</b>

See footnotes at the end of Table A7.

**Table A7. Cost and Quality of All Coal Received at Electric Utility Plants that Import Coal by Origin, 1990-1996 (Continued)**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality <sup>1</sup>			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
<b>Company and Plant: Central Hudson Gas &amp; Electric, Danskammer</b>						
<b>1995</b>						
Kentucky .....	308.8	12,859	0.59	8.29	193.4	49.74
West Virginia .....	292.5	13,112	.67	7.87	198.7	52.11
Venezuela .....	28.2	13,281	.56	7.30	224.1	59.53
<b>Total .....</b>	<b>629.5</b>	<b>12,995</b>	<b>.62</b>	<b>8.05</b>	<b>197.3</b>	<b>51.28</b>
<b>1996</b>						
January - March						
Kentucky .....	138.5	12,915	.67	8.31	193.7	50.03
West Virginia .....	69.1	12,954	.68	8.07	206.9	53.59
<b>Total .....</b>	<b>207.6</b>	<b>12,928</b>	<b>.67</b>	<b>8.23</b>	<b>198.1</b>	<b>51.22</b>
<b>Year to Date</b>						
Kentucky .....	138.5	12,915	.67	8.31	193.7	50.03
West Virginia .....	69.1	12,954	.68	8.07	206.9	53.59
<b>Total .....</b>	<b>207.6</b>	<b>12,928</b>	<b>.67</b>	<b>8.23</b>	<b>198.1</b>	<b>51.22</b>
<b>Company and Plant: Central Power and Light (CSW), Coletto Creek</b>						
<b>1990</b>						
Colorado .....	1,828.8	10,588	0.38	6.30	206.0	43.63
<b>Total .....</b>	<b>1,828.8</b>	<b>10,588</b>	<b>.38</b>	<b>6.30</b>	<b>206.0</b>	<b>43.63</b>
<b>1991</b>						
Colorado .....	1,733.6	10,753	.38	5.99	207.6	44.64
<b>Total .....</b>	<b>1,733.6</b>	<b>10,753</b>	<b>.38</b>	<b>5.99</b>	<b>207.6</b>	<b>44.64</b>
<b>1992</b>						
Colorado .....	1,780.7	10,885	.39	6.32	205.0	44.63
Colombia .....	37.2	12,892	.62	7.90	174.5	44.99
Venezuela .....	42.5	13,214	.66	7.20	175.8	46.46
<b>Total .....</b>	<b>1,860.4</b>	<b>10,978</b>	<b>.40</b>	<b>6.37</b>	<b>203.5</b>	<b>44.68</b>
<b>1993</b>						
Colorado .....	1,778.0	10,577	.40	6.61	203.1	42.96
Colombia .....	122.5	12,109	.60	5.90	148.5	35.98
<b>Total .....</b>	<b>1,900.5</b>	<b>10,676</b>	<b>.41</b>	<b>6.56</b>	<b>199.1</b>	<b>42.51</b>
<b>1994</b>						
Colorado .....	1,664.9	10,760	.41	6.77	199.7	42.98
Colombia .....	153.4	11,929	.55	5.03	148.9	35.51
<b>Total .....</b>	<b>1,818.3</b>	<b>10,858</b>	<b>.42</b>	<b>6.63</b>	<b>195.0</b>	<b>42.35</b>
<b>1995</b>						
Colorado .....	1,724.7	11,092	.42	6.92	169.2	37.53
Wyoming .....	119.4	8,764	.34	5.20	163.5	28.66
<b>Total .....</b>	<b>1,844.1</b>	<b>10,941</b>	<b>.41</b>	<b>6.81</b>	<b>168.9</b>	<b>36.95</b>
<b>1996</b>						
January - March						
Colorado .....	396.9	10,477	.38	5.74	142.3	29.82
Wyoming .....	68.1	8,744	.30	5.40	161.0	28.16
<b>Total .....</b>	<b>465.0</b>	<b>10,224</b>	<b>.37</b>	<b>5.69</b>	<b>144.7</b>	<b>29.58</b>
<b>Year to Date</b>						
Colorado .....	396.9	10,477	.38	5.74	142.3	29.82
Wyoming .....	68.1	8,744	.30	5.40	161.0	28.16
<b>Total .....</b>	<b>465.0</b>	<b>10,224</b>	<b>.37</b>	<b>5.69</b>	<b>144.7</b>	<b>29.58</b>
<b>Company and Plant: Delmarva Power &amp; Light, Edgemoor</b>						
<b>1990</b>						
Virginia .....	50.5	13,403	0.90	7.44	199.6	53.50
West Virginia .....	515.4	13,310	.84	7.82	200.3	53.33
<b>Total .....</b>	<b>565.9</b>	<b>13,318</b>	<b>.85</b>	<b>7.78</b>	<b>200.3</b>	<b>53.35</b>
<b>1991</b>						
Kentucky .....	52.0	12,821	.84	8.53	174.3	44.69
Virginia .....	38.1	13,465	.87	7.79	196.7	52.97
West Virginia .....	416.4	13,272	.80	7.83	184.4	48.94
<b>Total .....</b>	<b>506.4</b>	<b>13,240</b>	<b>.81</b>	<b>7.90</b>	<b>184.3</b>	<b>48.81</b>
<b>1992</b>						
Virginia .....	90.2	13,101	.82	8.68	201.3	52.74
West Virginia .....	463.8	13,101	.79	8.64	180.0	47.16
<b>Total .....</b>	<b>554.0</b>	<b>13,101</b>	<b>.80</b>	<b>8.65</b>	<b>183.4</b>	<b>48.06</b>

See footnotes at the end of Table A7.

**Table A7. Cost and Quality of All Coal Received at Electric Utility Plants that Import Coal by Origin, 1990-1996 (Continued)**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality <sup>1</sup>			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
<b>Company and Plant: Delmarva Power &amp; Light, Edgemoor</b>						
<b>1993</b>						
Virginia .....	192.3	13,209	0.86	8.00	200.3	52.90
West Virginia .....	250.2	13,171	.81	8.63	178.0	46.88
<b>Total .....</b>	<b>442.5</b>	<b>13,188</b>	<b>.83</b>	<b>8.36</b>	<b>187.7</b>	<b>49.50</b>
<b>1994</b>						
Kentucky .....	7.0	12,991	.57	6.53	165.3	42.95
Maryland .....	13.3	13,070	.74	6.23	168.2	43.97
Virginia .....	28.6	12,995	.88	8.72	164.7	42.80
West Virginia .....	604.3	13,074	.79	8.74	157.9	41.29
Colombia .....	22.0	12,370	.58	5.98	168.2	41.61
<b>Total .....</b>	<b>675.2</b>	<b>13,046</b>	<b>.78</b>	<b>8.58</b>	<b>158.8</b>	<b>41.44</b>
<b>1995</b>						
Maryland .....	37.9	12,867	.76	9.73	161.6	41.59
Pennsylvania .....	.6	12,431	.82	10.42	154.7	38.46
West Virginia .....	432.6	12,988	.78	9.04	162.9	42.31
<b>Total .....</b>	<b>471.1</b>	<b>12,978</b>	<b>.78</b>	<b>9.10</b>	<b>162.8</b>	<b>42.25</b>
<b>1996</b>						
January - March						
Pennsylvania .....	.1	12,559	.82	10.42	153.1	38.46
West Virginia .....	110.5	12,944	.77	9.23	160.7	41.60
<b>Total .....</b>	<b>110.6</b>	<b>12,944</b>	<b>.77</b>	<b>9.23</b>	<b>160.7</b>	<b>41.60</b>
<b>Year to Date</b>						
Pennsylvania .....	.1	12,559	.82	10.42	153.1	38.46
West Virginia .....	110.5	12,944	.77	9.23	160.7	41.60
<b>Total .....</b>	<b>110.6</b>	<b>12,944</b>	<b>.77</b>	<b>9.23</b>	<b>160.7</b>	<b>41.60</b>
<b>Company and Plant: Delmarva Power and Light, Indian River</b>						
<b>1990</b>						
Kentucky .....	117.1	12,837	0.67	7.25	193.9	49.79
Maryland .....	20.9	12,865	1.43	12.20	141.5	36.41
Pennsylvania .....	422.7	12,964	1.33	9.26	162.8	42.20
Virginia .....	176.4	13,116	.94	8.56	193.7	50.81
West Virginia .....	888.5	12,902	.90	9.18	174.9	45.13
<b>Total .....</b>	<b>1,625.7</b>	<b>12,936</b>	<b>1.01</b>	<b>9.03</b>	<b>174.7</b>	<b>45.21</b>
<b>1991</b>						
Maryland .....	15.1	13,150	1.59	10.50	141.0	37.08
Pennsylvania .....	389.5	12,999	1.43	9.21	167.3	43.49
Virginia .....	61.0	13,029	1.23	8.82	204.5	53.28
West Virginia .....	1,030.5	12,981	.84	8.80	178.2	46.26
<b>Total .....</b>	<b>1,496.0</b>	<b>12,990</b>	<b>1.02</b>	<b>8.92</b>	<b>176.0</b>	<b>45.73</b>
<b>1992</b>						
Pennsylvania .....	137.4	13,104	1.40	9.31	177.9	46.62
West Virginia .....	840.2	13,034	1.12	8.88	166.1	43.29
<b>Total .....</b>	<b>977.6</b>	<b>13,044</b>	<b>1.16</b>	<b>8.94</b>	<b>167.7</b>	<b>43.76</b>
<b>1993</b>						
Maryland .....	45.1	12,966	1.29	9.49	160.4	41.59
Pennsylvania .....	216.3	12,971	1.32	9.58	164.2	42.60
Virginia .....	14.0	13,273	.77	6.90	188.2	49.96
West Virginia .....	1,290.6	12,980	.90	9.25	163.3	42.40
<b>Total .....</b>	<b>1,565.9</b>	<b>12,981</b>	<b>.97</b>	<b>9.28</b>	<b>163.6</b>	<b>42.48</b>
<b>1994</b>						
Kentucky .....	29.4	12,899	.59	6.90	179.3	46.25
Maryland .....	125.0	13,164	1.44	10.23	147.9	38.95
Pennsylvania .....	251.2	13,004	1.29	8.96	161.1	41.89
Virginia .....	56.5	13,125	.76	7.30	180.8	47.45
West Virginia .....	1,146.2	12,858	.88	9.45	164.4	42.27
<b>Total .....</b>	<b>1,608.3</b>	<b>12,915</b>	<b>.98</b>	<b>9.31</b>	<b>163.4</b>	<b>42.21</b>
<b>1995</b>						
Maryland .....	227.9	13,155	1.38	9.89	149.3	39.29
Pennsylvania .....	352.3	13,227	1.44	6.90	148.8	39.37
Virginia .....	23.2	13,382	1.46	6.53	143.0	38.28
West Virginia .....	638.7	13,050	.76	8.71	172.6	45.04
Colombia .....	7.1	13,141	.75	7.07	180.3	47.39
<b>Total .....</b>	<b>1,249.2</b>	<b>13,126</b>	<b>1.08</b>	<b>8.36</b>	<b>161.1</b>	<b>42.28</b>

See footnotes at the end of Table A7.

**Table A7. Cost and Quality of All Coal Received at Electric Utility Plants that Import Coal by Origin, 1990-1996 (Continued)**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality <sup>1</sup>			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
<b>Company and Plant: Delmarva Power and Light, Indian River</b>						
<b>1996</b>						
January - March						
Maryland.....	21.9	12,995	1.50	9.23	149.1	38.76
Pennsylvania.....	130.9	13,311	1.47	6.46	145.0	38.60
West Virginia.....	43.1	12,906	.71	8.43	176.8	45.63
<b>Total</b> .....	<b>195.9</b>	<b>13,187</b>	<b>1.30</b>	<b>7.20</b>	<b>152.3</b>	<b>40.16</b>
<b>Year to Date</b>						
Maryland.....	21.9	12,995	1.50	9.23	149.1	38.76
Pennsylvania.....	130.9	13,311	1.47	6.46	145.0	38.60
West Virginia.....	43.1	12,906	.71	8.43	176.8	45.63
<b>Total</b> .....	<b>195.9</b>	<b>13,187</b>	<b>1.30</b>	<b>7.20</b>	<b>152.3</b>	<b>40.16</b>
<b>Company and Plant: Detroit Edison Co, River Rouge</b>						
<b>1990</b>						
Kentucky.....	255.0	12,555	0.81	7.95	202.9	50.95
West Virginia.....	716.0	12,595	.68	10.97	154.1	38.80
Wyoming.....	16.0	8,790	.29	5.12	107.4	18.88
<b>Total</b> .....	<b>987.0</b>	<b>12,523</b>	<b>.70</b>	<b>10.09</b>	<b>166.2</b>	<b>41.62</b>
<b>1991</b>						
Kentucky.....	55.0	12,585	.87	7.75	204.4	51.46
West Virginia.....	892.0	12,566	.69	10.70	160.2	40.26
Wyoming.....	84.0	8,790	.28	4.82	110.3	19.39
<b>Total</b> .....	<b>1,031.0</b>	<b>12,260</b>	<b>.66</b>	<b>10.06</b>	<b>159.7</b>	<b>39.16</b>
<b>1992</b>						
Kentucky.....	62.0	12,795	.80	8.07	194.5	49.77
West Virginia.....	697.0	12,570	.68	11.04	156.1	39.24
Wyoming.....	209.0	8,720	.24	4.80	105.3	18.37
<b>Total</b> .....	<b>968.0</b>	<b>11,753</b>	<b>.59</b>	<b>9.50</b>	<b>150.6</b>	<b>35.41</b>
<b>1993</b>						
Colorado.....	11.0	11,620	.53	8.80	147.6	34.30
Kentucky.....	359.0	12,638	.87	8.49	175.7	44.42
Virginia.....	10.0	13,583	.81	5.40	200.3	54.41
West Virginia.....	479.0	12,457	.72	11.64	155.2	38.67
Wyoming.....	399.0	8,752	.25	4.91	104.0	18.21
<b>Total</b> .....	<b>1,258.0</b>	<b>11,335</b>	<b>.61</b>	<b>8.53</b>	<b>149.6</b>	<b>33.91</b>
<b>1994</b>						
Colorado.....	21.0	11,838	.48	8.38	146.2	34.61
Kentucky.....	246.0	12,658	.81	8.22	178.4	45.17
West Virginia.....	630.0	12,446	.72	11.76	161.8	40.28
Wyoming.....	317.0	8,784	.27	5.09	106.1	18.64
Canada.....	57.0	11,005	.23	10.28	149.9	32.99
<b>Total</b> .....	<b>1,271.0</b>	<b>11,499</b>	<b>.60</b>	<b>9.29</b>	<b>154.0</b>	<b>35.41</b>
<b>1995</b>						
Colorado.....	44.0	11,818	.48	8.10	149.3	35.29
Kentucky.....	220.0	12,840	.72	7.59	170.2	43.70
West Virginia.....	412.0	12,292	.78	12.35	154.3	37.93
Wyoming.....	614.0	8,766	.26	5.11	105.6	18.51
<b>Total</b> .....	<b>1,290.0</b>	<b>10,691</b>	<b>.51</b>	<b>7.95</b>	<b>138.4</b>	<b>29.58</b>
<b>1996</b>						
January - March						
Kentucky.....	63.0	12,791	.80	7.89	146.1	37.38
West Virginia.....	93.0	12,235	.87	13.11	138.4	33.88
Wyoming.....	123.0	8,767	.26	5.21	106.0	18.59
<b>Total</b> .....	<b>279.0</b>	<b>10,832</b>	<b>.59</b>	<b>8.45</b>	<b>128.9</b>	<b>27.93</b>
<b>Year to Date</b>						
Kentucky.....	63.0	12,791	.80	7.89	146.1	37.38
West Virginia.....	93.0	12,235	.87	13.11	138.4	33.88
Wyoming.....	123.0	8,767	.26	5.21	106.0	18.59
<b>Total</b> .....	<b>279.0</b>	<b>10,832</b>	<b>.59</b>	<b>8.45</b>	<b>128.9</b>	<b>27.93</b>
<b>Company and Plant: Florida Power Corp, IMT Transfer</b>						
<b>1992</b>						
Kentucky.....	1,183.1	12,423	0.86	8.98	170.0	42.23
West Virginia.....	195.7	12,633	.80	9.90	167.1	42.23
<b>Total</b> .....	<b>1,378.8</b>	<b>12,452</b>	<b>.85</b>	<b>9.11</b>	<b>169.6</b>	<b>42.23</b>

See footnotes at the end of Table A7.

**Table A7. Cost and Quality of All Coal Received at Electric Utility Plants that Import Coal by Origin, 1990-1996 (Continued)**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality <sup>1</sup>			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
<b>Company and Plant: Florida Power Corp, IMT Transfer</b>						
<b>1993</b>						
Kentucky .....	612.5	12,469	0.86	9.30	167.3	41.72
West Virginia.....	383.9	12,568	.69	9.19	168.6	42.38
<b>Total .....</b>	<b>996.4</b>	<b>12,507</b>	<b>.79</b>	<b>9.26</b>	<b>167.8</b>	<b>41.98</b>
<b>1994</b>						
Kentucky .....	677.2	12,429	.83	9.69	181.1	45.01
West Virginia.....	658.5	12,552	.71	9.50	173.0	43.43
Venezuela.....	84.4	12,778	.64	6.50	156.3	39.93
<b>Total .....</b>	<b>1,420.1</b>	<b>12,507</b>	<b>.77</b>	<b>9.41</b>	<b>175.8</b>	<b>43.97</b>
<b>1995</b>						
Kentucky .....	739.7	12,496	.75	9.01	170.4	42.59
West Virginia.....	546.2	12,502	.75	9.48	173.9	43.48
<b>Total .....</b>	<b>1,285.8</b>	<b>12,498</b>	<b>.75</b>	<b>9.21</b>	<b>171.9</b>	<b>42.97</b>
<b>1996</b>						
January - March						
Kentucky.....	224.5	12,689	.68	8.08	168.5	42.76
West Virginia.....	193.0	12,510	.71	10.02	175.7	43.96
<b>Total .....</b>	<b>417.5</b>	<b>12,606</b>	<b>.69</b>	<b>8.97</b>	<b>171.8</b>	<b>43.31</b>
<b>Year to Date</b>						
Kentucky.....	224.5	12,689	.68	8.08	168.5	42.76
West Virginia.....	193.0	12,510	.71	10.02	175.7	43.96
<b>Total .....</b>	<b>417.5</b>	<b>12,606</b>	<b>.69</b>	<b>8.97</b>	<b>171.8</b>	<b>43.31</b>
<b>Company and Plant: Gulf Power, Crist</b>						
<b>1990</b>						
Illinois .....	1,352.1	12,009	2.76	8.77	214.3	51.47
Kentucky .....	720.8	12,014	2.89	7.49	139.8	33.60
West Virginia.....	35.3	13,459	2.72	6.30	197.4	53.13
<b>Total .....</b>	<b>2,108.2</b>	<b>12,035</b>	<b>2.81</b>	<b>8.29</b>	<b>188.6</b>	<b>45.39</b>
<b>1991</b>						
Illinois .....	1,265.5	11,977	2.68	8.67	205.1	49.12
Kentucky .....	607.5	12,048	2.81	8.06	129.2	31.13
<b>Total .....</b>	<b>1,873.0</b>	<b>12,000</b>	<b>2.72</b>	<b>8.47</b>	<b>180.4</b>	<b>43.29</b>
<b>1992</b>						
Alabama .....	71.9	12,060	2.75	12.94	120.6	29.09
Illinois .....	1,779.8	11,926	2.70	8.37	180.8	43.12
Kentucky .....	225.8	12,062	2.73	8.38	121.4	29.28
<b>Total .....</b>	<b>2,077.5</b>	<b>11,945</b>	<b>2.71</b>	<b>8.53</b>	<b>172.2</b>	<b>41.13</b>
<b>1993</b>						
Alabama .....	72.3	12,337	2.09	11.73	191.1	47.15
Illinois .....	1,490.3	11,992	2.59	8.15	176.3	42.27
Kentucky .....	55.2	12,127	2.79	9.28	123.6	29.98
West Virginia.....	13.1	13,311	2.14	6.16	209.3	55.73
Colombia.....	280.2	11,983	.59	5.53	188.5	45.18
Venezuela.....	234.8	12,992	.59	6.11	172.2	44.75
<b>Total .....</b>	<b>2,145.9</b>	<b>12,124</b>	<b>2.10</b>	<b>7.72</b>	<b>176.7</b>	<b>42.85</b>
<b>1994</b>						
Alabama .....	1.5	12,241	2.87	10.00	204.1	49.97
Illinois .....	1,568.9	11,887	2.15	7.55	173.1	41.16
West Virginia.....	20.7	13,461	1.08	5.40	185.8	50.02
Colombia.....	29.8	12,239	.59	5.30	160.9	39.38
Venezuela.....	283.4	12,252	1.03	6.28	216.9	53.15
<b>Total .....</b>	<b>1,904.4</b>	<b>11,964</b>	<b>1.95</b>	<b>7.31</b>	<b>179.8</b>	<b>43.02</b>
<b>1995</b>						
Illinois .....	796.8	12,346	.95	6.34	228.4	56.40
Venezuela.....	776.7	12,363	.92	6.29	230.9	57.09
<b>Total .....</b>	<b>1,573.6</b>	<b>12,354</b>	<b>.93</b>	<b>6.31</b>	<b>229.6</b>	<b>56.74</b>
<b>1996</b>						
January - March						
Illinois.....	143.8	12,242	.94	6.06	231.6	56.70
Venezuela.....	143.8	12,242	.94	6.06	231.6	56.70
<b>Total .....</b>	<b>287.7</b>	<b>12,242</b>	<b>.94</b>	<b>6.06</b>	<b>231.6</b>	<b>56.70</b>
<b>Year to Date</b>						
Illinois.....	143.8	12,242	.94	6.06	231.6	56.70
Venezuela.....	143.8	12,242	.94	6.06	231.6	56.70
<b>Total .....</b>	<b>287.7</b>	<b>12,242</b>	<b>.94</b>	<b>6.06</b>	<b>231.6</b>	<b>56.70</b>

See footnotes at the end of Table A7.

**Table A7. Cost and Quality of All Coal Received at Electric Utility Plants that Import Coal by Origin, 1990-1996 (Continued)**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality <sup>1</sup>			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
<b>Company and Plant: Gulf Power, Scholtz</b>						
<b>1990</b>						
Kentucky .....	236.2	12,347	2.78	8.35	159.9	39.49
<b>Total .....</b>	<b>236.2</b>	<b>12,347</b>	<b>2.78</b>	<b>8.35</b>	<b>159.9</b>	<b>39.49</b>
<b>1991</b>						
Kentucky .....	67.9	12,685	2.86	7.08	151.3	38.39
<b>Total .....</b>	<b>67.9</b>	<b>12,685</b>	<b>2.86</b>	<b>7.08</b>	<b>151.3</b>	<b>38.39</b>
<b>1992</b>						
Kentucky .....	31.7	12,192	3.06	8.84	148.7	36.27
<b>Total .....</b>	<b>31.7</b>	<b>12,192</b>	<b>3.06</b>	<b>8.84</b>	<b>148.7</b>	<b>36.27</b>
<b>1993</b>						
Illinois .....	8.2	12,061	2.38	7.60	154.1	37.17
Kentucky .....	47.9	12,057	3.10	8.74	159.5	38.45
Colombia.....	7.5	12,170	.62	7.50	164.4	40.01
Venezuela.....	16.0	12,958	.58	6.10	170.6	44.20
<b>Total .....</b>	<b>79.6</b>	<b>12,249</b>	<b>2.29</b>	<b>7.98</b>	<b>161.7</b>	<b>39.62</b>
<b>1994</b>						
Kentucky .....	67.1	11,861	3.09	9.35	168.7	40.03
<b>Total .....</b>	<b>67.1</b>	<b>11,861</b>	<b>3.09</b>	<b>9.35</b>	<b>168.7</b>	<b>40.03</b>
<b>1995</b>						
Kentucky .....	60.5	12,585	2.74	8.07	152.1	38.28
<b>Total .....</b>	<b>60.5</b>	<b>12,585</b>	<b>2.74</b>	<b>8.07</b>	<b>152.1</b>	<b>38.28</b>
<b>1996</b>						
January - March						
Kentucky.....	9.0	12,614	3.17	8.00	144.3	36.40
<b>Total .....</b>	<b>9.0</b>	<b>12,614</b>	<b>3.17</b>	<b>8.00</b>	<b>144.3</b>	<b>36.40</b>
<b>Year to Date</b>						
Kentucky.....	9.0	12,614	3.17	8.00	144.3	36.40
<b>Total .....</b>	<b>9.0</b>	<b>12,614</b>	<b>3.17</b>	<b>8.00</b>	<b>144.3</b>	<b>36.40</b>
<b>Company and Plant: Gulf Power, Smith</b>						
<b>1990</b>						
Illinois .....	528.3	11,990	2.73	8.95	218.5	52.41
Kentucky .....	127.6	11,969	2.87	7.78	143.2	34.28
West Virginia.....	12.4	13,372	2.58	6.10	186.0	49.74
<b>Total .....</b>	<b>668.3</b>	<b>12,012</b>	<b>2.76</b>	<b>8.67</b>	<b>203.5</b>	<b>48.90</b>
<b>1991</b>						
Illinois .....	906.3	12,015	2.72	8.66	222.5	53.46
Kentucky .....	132.5	11,953	2.75	6.12	128.9	30.82
<b>Total .....</b>	<b>1,038.8</b>	<b>12,007</b>	<b>2.72</b>	<b>8.34</b>	<b>210.6</b>	<b>50.57</b>
<b>1992</b>						
Illinois .....	878.5	11,996	2.80	8.46	222.5	53.39
Kentucky .....	6.3	11,982	2.54	7.10	129.5	31.03
<b>Total .....</b>	<b>884.8</b>	<b>11,996</b>	<b>2.80</b>	<b>8.45</b>	<b>221.9</b>	<b>53.23</b>
<b>1993</b>						
Illinois .....	704.8	11,905	2.18	7.96	179.4	42.71
Kentucky .....	15.9	12,269	2.96	9.45	121.7	29.85
Colombia.....	198.2	11,823	.61	5.96	184.6	43.65
<b>Total .....</b>	<b>918.9</b>	<b>11,893</b>	<b>1.85</b>	<b>7.55</b>	<b>179.5</b>	<b>42.69</b>
<b>1994</b>						
Illinois .....	391.8	12,086	2.11	7.93	160.3	38.76
Kentucky .....	17.7	11,881	3.22	10.78	140.2	33.31
Colombia.....	286.6	12,299	.61	4.17	172.3	42.39
South Africa.....	127.3	11,318	.65	12.60	181.1	41.00
Venezuela.....	53.8	12,272	.96	6.52	229.1	56.24
<b>Total .....</b>	<b>877.3</b>	<b>12,051</b>	<b>1.36</b>	<b>7.35</b>	<b>171.1</b>	<b>41.23</b>
<b>1995</b>						
Illinois .....	981.7	11,728	2.26	8.25	143.5	33.67
Venezuela.....	114.6	12,202	1.00	6.52	236.1	57.63
<b>Total .....</b>	<b>1,096.4</b>	<b>11,777</b>	<b>2.13</b>	<b>8.07</b>	<b>153.6</b>	<b>36.17</b>
<b>1996</b>						
January - March						
Illinois.....	210.7	11,900	1.91	7.67	171.2	40.74
Venezuela.....	83.0	12,193	.96	5.98	234.9	57.28
<b>Total .....</b>	<b>293.7</b>	<b>11,983</b>	<b>1.64</b>	<b>7.19</b>	<b>189.5</b>	<b>45.41</b>

See footnotes at the end of Table A7.



**Table A7. Cost and Quality of All Coal Received at Electric Utility Plants that Import Coal by Origin, 1990-1996 (Continued)**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality <sup>1</sup>			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
<b>Company and Plant: Gulf Power, Smith</b>						
<b>1996</b>						
<b>Year to Date</b>						
Illinois .....	210.7	11,900	1.91	7.67	171.2	40.74
Venezuela .....	83.0	12,193	.96	5.98	234.9	57.28
<b>Total .....</b>	<b>293.7</b>	<b>11,983</b>	<b>1.64</b>	<b>7.19</b>	<b>189.5</b>	<b>45.41</b>
<b>Company and Plant: Holyoke Water Power (NU), Mount Tom</b>						
<b>1990</b>						
Pennsylvania .....	405.4	13,055	1.38	6.55	177.2	46.26
<b>Total .....</b>	<b>405.4</b>	<b>13,055</b>	<b>1.38</b>	<b>6.55</b>	<b>177.2</b>	<b>46.26</b>
<b>1991</b>						
Pennsylvania .....	400.3	13,137	1.47	6.63	175.5	46.11
<b>Total .....</b>	<b>400.3</b>	<b>13,137</b>	<b>1.47</b>	<b>6.63</b>	<b>175.5</b>	<b>46.11</b>
<b>1992</b>						
Pennsylvania .....	354.8	13,234	1.34	6.26	168.2	44.51
West Virginia .....	8.1	12,800	.80	8.50	198.2	50.74
<b>Total .....</b>	<b>362.9</b>	<b>13,224</b>	<b>1.33</b>	<b>6.31</b>	<b>168.8</b>	<b>44.65</b>
<b>1993</b>						
Kentucky .....	7.3	13,132	.75	7.50	195.9	51.45
Pennsylvania .....	299.9	13,201	1.52	6.34	164.7	43.49
West Virginia .....	7.0	13,087	.91	7.60	171.7	44.94
<b>Total .....</b>	<b>314.2</b>	<b>13,197</b>	<b>1.49</b>	<b>6.39</b>	<b>165.6</b>	<b>43.71</b>
<b>1994</b>						
Kentucky .....	47.8	12,884	.55	7.74	206.0	53.07
Pennsylvania .....	289.2	13,171	1.48	6.60	156.8	41.31
Indonesia .....	7.9	12,651	.43	3.30	195.4	49.44
<b>Total .....</b>	<b>344.9</b>	<b>13,119</b>	<b>1.33</b>	<b>6.68</b>	<b>164.4</b>	<b>43.13</b>
<b>1995</b>						
Kentucky .....	157.3	13,053	.52	7.40	193.3	50.47
Pennsylvania .....	212.5	13,227	1.37	7.20	156.9	41.50
<b>Total .....</b>	<b>369.8</b>	<b>13,153</b>	<b>1.01</b>	<b>7.28</b>	<b>172.3</b>	<b>45.31</b>
<b>1996</b>						
<b>January - March</b>						
Kentucky .....	31.7	13,048	.43	7.46	198.4	51.78
Pennsylvania .....	26.0	13,319	1.15	7.07	159.7	42.53
<b>Total .....</b>	<b>57.7</b>	<b>13,170</b>	<b>.75</b>	<b>7.28</b>	<b>180.8</b>	<b>47.61</b>
<b>Year to Date</b>						
Kentucky .....	31.7	13,048	.43	7.46	198.4	51.78
Pennsylvania .....	26.0	13,319	1.15	7.07	159.7	42.53
<b>Total .....</b>	<b>57.7</b>	<b>13,170</b>	<b>.75</b>	<b>7.28</b>	<b>180.8</b>	<b>47.61</b>
<b>Company and Plant: Jacksonville Electric Authority, St Johns River</b>						
<b>1990</b>						
Kentucky .....	1,622.3	12,629	1.03	9.28	174.2	44.00
West Virginia .....	784.8	12,246	1.03	11.80	187.4	45.91
Colombia .....	1,007.7	11,938	.74	6.58	171.6	40.96
Venezuela .....	40.1	12,288	.77	11.50	170.7	41.95
<b>Total .....</b>	<b>3,454.9</b>	<b>12,336</b>	<b>.94</b>	<b>9.09</b>	<b>176.4</b>	<b>43.52</b>
<b>1991</b>						
Kentucky .....	1,475.3	12,802	1.10	8.96	166.4	42.59
Ohio .....	240.2	12,530	3.74	9.20	163.8	41.04
West Virginia .....	643.0	12,102	.85	11.61	200.3	48.47
Colombia .....	1,582.6	11,978	.73	7.04	153.1	36.68
Venezuela .....	42.2	12,913	.56	8.90	126.9	32.77
<b>Total .....</b>	<b>3,983.4</b>	<b>12,346</b>	<b>1.07</b>	<b>8.64</b>	<b>166.0</b>	<b>41.00</b>
<b>1992</b>						
Kentucky .....	1,563.4	12,831	1.18	8.43	160.2	41.11
West Virginia .....	642.4	12,063	.82	12.58	199.9	48.22
Colombia .....	1,418.6	11,897	.71	6.91	150.0	35.70
<b>Total .....</b>	<b>3,624.4</b>	<b>12,329</b>	<b>.93</b>	<b>8.57</b>	<b>163.2</b>	<b>40.25</b>
<b>1993</b>						
Kentucky .....	1,300.4	12,802	1.30	8.36	172.0	44.03
West Virginia .....	243.0	12,049	.75	12.79	187.6	45.21
Colombia .....	2,291.2	11,849	.68	7.21	136.9	32.44
<b>Total .....</b>	<b>3,834.6</b>	<b>12,185</b>	<b>.89</b>	<b>7.95</b>	<b>152.6</b>	<b>37.18</b>

See footnotes at the end of Table A7.

**Table A7. Cost and Quality of All Coal Received at Electric Utility Plants that Import Coal by Origin, 1990-1996 (Continued)**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality <sup>1</sup>			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
<b>Company and Plant: Jacksonville Electric Authority, St Johns River</b>						
<b>1994</b>						
Kentucky .....	1,106.7	12,775	1.27	8.92	173.2	44.25
West Virginia.....	595.3	12,193	.82	11.98	185.1	45.14
Colombia.....	2,032.1	11,883	.69	7.40	135.6	32.22
<b>Total .....</b>	<b>3,734.1</b>	<b>12,197</b>	<b>.88</b>	<b>8.58</b>	<b>155.2</b>	<b>37.85</b>
<b>1995</b>						
Kentucky .....	1,695.5	12,605	1.25	9.30	168.0	42.35
West Virginia.....	645.7	12,143	.88	12.85	188.2	45.70
Colombia.....	1,340.6	11,826	.67	7.52	151.5	35.82
<b>Total .....</b>	<b>3,681.8</b>	<b>12,241</b>	<b>.97</b>	<b>9.28</b>	<b>165.7</b>	<b>40.56</b>
<b>1996</b>						
January - March						
Kentucky.....	434.7	12,794	1.29	8.89	166.2	42.53
West Virginia.....	77.3	12,055	1.11	13.19	193.6	46.67
Colombia.....	304.1	11,824	.63	7.50	153.4	36.27
<b>Total .....</b>	<b>816.1</b>	<b>12,363</b>	<b>1.03</b>	<b>8.78</b>	<b>164.2</b>	<b>40.59</b>
<b>Year to Date</b>						
Kentucky.....	434.7	12,794	1.29	8.89	166.2	42.53
West Virginia.....	77.3	12,055	1.11	13.19	193.6	46.67
Colombia.....	304.1	11,824	.63	7.50	153.4	36.27
<b>Total .....</b>	<b>816.1</b>	<b>12,363</b>	<b>1.03</b>	<b>8.78</b>	<b>164.2</b>	<b>40.59</b>
<b>Company and Plant: Mississippi Power (Southern Co), Daniel</b>						
<b>1990</b>						
Kentucky.....	1,221.9	12,996	0.72	6.95	166.1	43.17
<b>Total .....</b>	<b>1,221.9</b>	<b>12,996</b>	<b>.72</b>	<b>6.95</b>	<b>166.1</b>	<b>43.17</b>
<b>1991</b>						
Kentucky.....	1,306.9	12,952	.72	7.41	171.3	44.38
Montana.....	105.5	9,344	.30	4.10	145.2	27.14
<b>Total .....</b>	<b>1,412.3</b>	<b>12,682</b>	<b>.69</b>	<b>7.16</b>	<b>169.9</b>	<b>43.09</b>
<b>1992</b>						
Kentucky.....	810.6	12,988	.73	7.22	170.0	44.15
Montana.....	82.2	9,383	.30	4.15	136.0	25.51
Wyoming.....	70.9	8,760	.34	4.92	153.0	26.81
<b>Total .....</b>	<b>963.7</b>	<b>12,369</b>	<b>.66</b>	<b>6.79</b>	<b>166.9</b>	<b>41.29</b>
<b>1993</b>						
Colorado.....	158.6	11,535	.45	9.58	158.9	36.66
Kentucky.....	774.6	12,881	.70	8.12	173.8	44.78
Montana.....	177.7	9,425	.39	4.61	159.1	29.99
Indonesia.....	67.5	9,745	.08	1.23	168.9	32.92
<b>Total .....</b>	<b>1,178.5</b>	<b>11,999</b>	<b>.58</b>	<b>7.39</b>	<b>169.9</b>	<b>40.78</b>
<b>1994</b>						
Colorado.....	715.2	11,072	.43	10.37	159.5	35.31
Kentucky.....	279.3	12,739	.68	9.06	181.7	46.28
Montana.....	1,288.4	9,402	.40	4.78	138.0	25.96
<b>Total .....</b>	<b>2,282.8</b>	<b>10,334</b>	<b>.44</b>	<b>7.06</b>	<b>151.8</b>	<b>31.38</b>
<b>1995</b>						
Colorado.....	951.3	11,076	.42	9.89	161.4	35.75
Montana.....	1,269.5	9,399	.38	4.43	140.0	26.31
<b>Total .....</b>	<b>2,220.8</b>	<b>10,118</b>	<b>.39</b>	<b>6.77</b>	<b>150.0</b>	<b>30.36</b>
<b>1996</b>						
January - March						
Montana.....	352.9	9,426	.41	4.41	140.4	26.47
<b>Total .....</b>	<b>352.9</b>	<b>9,426</b>	<b>.41</b>	<b>4.41</b>	<b>140.4</b>	<b>26.47</b>
<b>Year to Date</b>						
Montana.....	352.9	9,426	.41	4.41	140.4	26.47
<b>Total .....</b>	<b>352.9</b>	<b>9,426</b>	<b>.41</b>	<b>4.41</b>	<b>140.4</b>	<b>26.47</b>
<b>Company and Plant: New England Power (NEES), Brayton Point</b>						
<b>1990</b>						
Kentucky.....	12.5	12,600	0.94	7.07	172.9	43.57
Maryland.....	40.1	13,684	1.02	6.61	185.2	50.69
Pennsylvania.....	247.9	12,996	1.43	9.46	166.1	43.18
Virginia.....	898.8	13,018	1.26	8.37	173.9	45.28
West Virginia.....	1,121.3	13,053	1.25	8.41	166.2	43.39
Colombia.....	30.1	12,837	.76	8.70	177.3	45.52

See footnotes at the end of Table A7.

**Table A7. Cost and Quality of All Coal Received at Electric Utility Plants that Import Coal by Origin, 1990-1996 (Continued)**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality <sup>1</sup>			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
<b>Company and Plant: New England Power (NEES), Brayton Point</b>						
<b>1990</b>						
Venezuela.....	69.8	12,773	0.61	7.39	181.0	46.23
<b>Total</b> .....	<b>2,420.5</b>	<b>13,032</b>	<b>1.24</b>	<b>8.44</b>	<b>170.0</b>	<b>44.30</b>
<b>1991</b>						
Kentucky .....	.5	12,970	.75	8.49	174.6	45.29
Pennsylvania .....	33.6	13,164	1.32	9.03	166.9	43.94
Virginia .....	742.1	13,260	1.06	7.23	173.1	45.91
West Virginia.....	1,852.8	13,083	1.20	8.50	170.7	44.66
Venezuela.....	83.7	13,390	.77	7.55	167.3	44.81
<b>Total</b> .....	<b>2,712.7</b>	<b>13,142</b>	<b>1.15</b>	<b>8.13</b>	<b>171.2</b>	<b>45.00</b>
<b>1992</b>						
Kentucky .....	10.1	12,934	.63	6.47	170.9	44.21
Virginia .....	197.9	13,030	1.12	7.64	173.1	45.11
West Virginia.....	2,209.9	13,032	1.11	8.45	168.1	43.81
Venezuela.....	129.0	13,375	.75	7.32	165.2	44.18
<b>Total</b> .....	<b>2,546.9</b>	<b>13,049</b>	<b>1.09</b>	<b>8.32</b>	<b>168.3</b>	<b>43.94</b>
<b>1993</b>						
Kentucky .....	68.7	12,641	.54	7.18	167.7	42.39
Maryland.....	1.0	13,161	1.48	10.11	153.6	40.44
West Virginia.....	1,659.3	12,985	1.05	8.54	167.5	43.51
Wyoming.....	7.0	8,889	.30	5.37	174.9	31.09
Colombia.....	187.2	12,144	.64	5.42	178.5	43.35
Venezuela.....	239.9	13,132	.71	7.83	162.5	42.67
<b>Total</b> .....	<b>2,163.1</b>	<b>12,905</b>	<b>.96</b>	<b>8.14</b>	<b>167.9</b>	<b>43.33</b>
<b>1994</b>						
Kentucky .....	138.0	12,543	.73	8.18	174.9	43.88
Pennsylvania .....	119.6	13,049	1.43	6.44	166.4	43.43
West Virginia.....	2,159.0	12,823	.98	8.61	170.6	43.75
Colombia.....	51.3	12,131	.65	5.60	172.2	41.78
Venezuela.....	351.2	12,955	.71	7.03	154.2	39.95
<b>Total</b> .....	<b>2,819.1</b>	<b>12,822</b>	<b>.95</b>	<b>8.24</b>	<b>168.6</b>	<b>43.24</b>
<b>1995</b>						
Kentucky .....	144.6	12,644	.73	7.74	171.9	43.47
West Virginia.....	1,491.6	12,687	.71	9.56	171.3	43.46
Colombia.....	307.8	12,218	.60	5.22	164.6	40.23
Venezuela.....	510.6	12,788	.69	7.03	160.0	40.92
<b>Total</b> .....	<b>2,454.6</b>	<b>12,647</b>	<b>.69</b>	<b>8.38</b>	<b>168.1</b>	<b>42.53</b>
<b>1996</b>						
January - March						
Kentucky.....	93.0	12,690	.72	8.42	180.5	45.82
West Virginia.....	456.2	12,662	.71	9.97	179.9	45.55
Colombia.....	104.1	11,740	.64	5.45	156.7	36.80
Venezuela.....	40.7	12,958	.75	7.30	158.6	41.11
<b>Total</b> .....	<b>694.0</b>	<b>12,544</b>	<b>.70</b>	<b>8.93</b>	<b>175.4</b>	<b>44.02</b>
<b>Year to Date</b>						
Kentucky.....	93.0	12,690	.72	8.42	180.5	45.82
West Virginia.....	456.2	12,662	.71	9.97	179.9	45.55
Colombia.....	104.1	11,740	.64	5.45	156.7	36.80
Venezuela.....	40.7	12,958	.75	7.30	158.6	41.11
<b>Total</b> .....	<b>694.0</b>	<b>12,544</b>	<b>.70</b>	<b>8.93</b>	<b>175.4</b>	<b>44.02</b>
<b>Company and Plant: New England Power (NEES), Salem Harbor</b>						
<b>1990</b>						
Kentucky.....	36.5	12,598	0.94	9.29	182.3	45.93
Pennsylvania .....	224.3	13,137	1.40	8.30	177.1	46.53
Virginia .....	200.6	13,588	.97	6.17	172.6	46.92
West Virginia.....	347.3	13,133	1.30	7.65	175.9	46.20
Colombia.....	74.7	12,176	.66	5.07	195.7	47.65
<b>Total</b> .....	<b>883.4</b>	<b>13,135</b>	<b>1.18</b>	<b>7.33</b>	<b>177.2</b>	<b>46.56</b>
<b>1991</b>						
Virginia .....	120.6	13,938	.77	4.26	172.1	47.97
West Virginia.....	760.4	13,102	1.44	9.66	171.9	45.05
<b>Total</b> .....	<b>881.0</b>	<b>13,216</b>	<b>1.35</b>	<b>8.92</b>	<b>172.0</b>	<b>45.45</b>
<b>1992</b>						
Pennsylvania .....	40.2	13,193	1.26	6.80	162.3	42.82
West Virginia.....	763.1	13,130	1.46	9.47	167.0	43.86
Canada.....	32.8	13,569	1.40	3.82	174.9	47.46

See footnotes at the end of Table A7.

**Table A7. Cost and Quality of All Coal Received at Electric Utility Plants that Import Coal by Origin, 1990-1996 (Continued)**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality <sup>1</sup>			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
<b>Company and Plant: New England Power (NEES), Salem Harbor</b>						
<b>1992</b>						
Venezuela.....	34.8	12,893	0.58	7.02	145.3	37.47
<b>Total</b> .....	<b>870.9</b>	<b>13,140</b>	<b>1.41</b>	<b>9.04</b>	<b>166.3</b>	<b>43.70</b>
<b>1993</b>						
Maryland.....	10.1	13,219	1.32	9.76	166.4	43.99
West Virginia.....	532.9	13,013	1.29	9.62	167.2	43.51
Venezuela.....	236.2	12,921	.57	6.65	162.5	41.99
<b>Total</b> .....	<b>779.2</b>	<b>12,987</b>	<b>1.07</b>	<b>8.72</b>	<b>165.8</b>	<b>43.05</b>
<b>1994</b>						
West Virginia.....	80.0	12,958	.77	8.71	177.5	45.99
Colombia.....	84.2	12,017	.57	6.07	159.9	38.44
Venezuela.....	565.5	12,678	.64	6.49	159.6	40.47
<b>Total</b> .....	<b>729.7</b>	<b>12,632</b>	<b>.65</b>	<b>6.69</b>	<b>161.6</b>	<b>40.84</b>
<b>1995</b>						
West Virginia.....	117.6	12,643	.68	8.94	183.5	46.41
Colombia.....	250.1	12,166	.60	5.26	147.9	35.99
Venezuela.....	393.1	12,846	.65	6.34	162.4	41.72
<b>Total</b> .....	<b>760.8</b>	<b>12,591</b>	<b>.64</b>	<b>6.39</b>	<b>161.1</b>	<b>40.56</b>
<b>1996</b>						
January - March						
Colombia.....	88.0	12,148	.58	5.62	146.7	35.63
Venezuela .....	150.9	12,856	.72	6.25	153.4	39.43
<b>Total</b> .....	<b>238.9</b>	<b>12,595</b>	<b>.67</b>	<b>6.02</b>	<b>151.0</b>	<b>38.03</b>
<b>Year to Date</b>						
Colombia.....	88.0	12,148	.58	5.62	146.7	35.63
Venezuela .....	150.9	12,856	.72	6.25	153.4	39.43
<b>Total</b> .....	<b>238.9</b>	<b>12,595</b>	<b>.67</b>	<b>6.02</b>	<b>151.0</b>	<b>38.03</b>
<b>Company and Plant: Ohio Edison, Burger Plant</b>						
<b>1990</b>						
Kentucky.....	3.2	11,718	1.11	11.40	129.2	30.28
Ohio.....	991.0	11,829	3.09	12.00	110.8	26.22
Pennsylvania.....	228.5	11,993	2.62	11.94	149.6	35.89
West Virginia.....	82.7	11,652	3.07	12.73	108.9	25.39
<b>Total</b> .....	<b>1,305.4</b>	<b>11,846</b>	<b>3.00</b>	<b>12.03</b>	<b>117.6</b>	<b>27.87</b>
<b>1991</b>						
Ohio.....	779.1	12,087	3.52	11.21	111.8	27.02
Pennsylvania.....	194.3	12,095	2.64	11.89	153.2	37.06
West Virginia.....	11.6	11,703	3.54	11.84	100.0	23.40
Wyoming.....	12.2	8,570	.44	5.57	132.8	22.77
<b>Total</b> .....	<b>997.2</b>	<b>12,041</b>	<b>3.31</b>	<b>11.28</b>	<b>119.9</b>	<b>28.88</b>
<b>1992</b>						
Kentucky.....	41.4	12,143	.84	10.37	130.5	31.69
Ohio.....	963.7	12,135	3.62	11.27	104.4	25.35
Pennsylvania.....	128.2	12,070	2.83	11.73	129.8	31.32
Wyoming.....	61.3	8,449	.35	5.48	120.1	20.29
Indonesia.....	13.1	9,587	.14	1.20	166.9	32.00
<b>Total</b> .....	<b>1,207.7</b>	<b>11,913</b>	<b>3.24</b>	<b>10.88</b>	<b>109.2</b>	<b>26.01</b>
<b>1993</b>						
Kentucky.....	6.1	12,223	.88	10.70	110.4	26.99
Ohio.....	1,151.5	12,135	3.57	11.37	102.2	24.81
Pennsylvania.....	99.9	11,842	3.41	11.82	92.0	21.79
<b>Total</b> .....	<b>1,257.5</b>	<b>12,113</b>	<b>3.55</b>	<b>11.41</b>	<b>101.5</b>	<b>24.58</b>
<b>1994</b>						
Ohio.....	937.8	12,266	3.58	10.63	99.0	24.28
Pennsylvania.....	63.6	11,942	2.80	11.52	105.5	25.20
West Virginia.....	1.5	11,112	4.48	17.60	112.7	25.05
<b>Total</b> .....	<b>1,002.9</b>	<b>12,244</b>	<b>3.53</b>	<b>10.69</b>	<b>99.4</b>	<b>24.34</b>
<b>1995</b>						
Ohio.....	225.7	12,444	3.78	10.17	95.2	23.68
Pennsylvania.....	179.8	12,635	2.41	10.26	93.0	23.49
West Virginia.....	158.1	12,320	2.49	11.49	90.5	22.29
<b>Total</b> .....	<b>563.6</b>	<b>12,470</b>	<b>2.98</b>	<b>10.57</b>	<b>93.1</b>	<b>23.23</b>
<b>1996</b>						
January - March						
Pennsylvania.....	33.4	11,981	3.38	11.11	77.5	18.56
<b>Total</b> .....	<b>33.4</b>	<b>11,981</b>	<b>3.38</b>	<b>11.11</b>	<b>77.5</b>	<b>18.56</b>

See footnotes at the end of Table A7.

**Table A7. Cost and Quality of All Coal Received at Electric Utility Plants that Import Coal by Origin, 1990-1996 (Continued)**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality <sup>1</sup>			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
<b>Company and Plant: Ohio Edison, Burger Plant</b>						
<b>1996</b>						
<b>Year to Date</b>						
Pennsylvania .....	33.4	11,981	3.38	11.11	77.5	18.56
<b>Total</b> .....	<b>33.4</b>	<b>11,981</b>	<b>3.38</b>	<b>11.11</b>	<b>77.5</b>	<b>18.56</b>
<b>Company and Plant: Public Serv Co of Indiana, Gallagher</b>						
<b>1990</b>						
Indiana.....	1,050.4	10,943	2.34	9.01	135.5	29.66
Kentucky.....	19.7	11,132	2.51	9.33	116.4	25.93
Ohio.....	20.1	11,629	2.55	13.50	119.5	27.79
<b>Total</b> .....	<b>1,090.2</b>	<b>10,959</b>	<b>2.35</b>	<b>9.10</b>	<b>134.9</b>	<b>29.56</b>
<b>1991</b>						
Illinois.....	29.5	12,829	2.74	8.57	105.1	26.96
Indiana.....	855.6	11,030	2.24	8.31	135.0	29.78
Kentucky.....	258.4	11,547	2.43	8.63	107.3	24.77
<b>Total</b> .....	<b>1,143.5</b>	<b>11,193</b>	<b>2.30</b>	<b>8.39</b>	<b>127.6</b>	<b>28.57</b>
<b>1992</b>						
Illinois.....	51.3	10,841	3.41	7.97	185.5	40.21
Indiana.....	826.6	10,901	2.26	8.78	142.3	31.01
Kentucky.....	120.1	11,907	1.49	9.48	114.9	27.37
West Virginia.....	146.5	12,744	.77	8.82	115.4	29.41
<b>Total</b> .....	<b>1,144.5</b>	<b>11,240</b>	<b>2.04</b>	<b>8.82</b>	<b>137.2</b>	<b>30.84</b>
<b>1993</b>						
Illinois.....	11.8	11,792	1.52	6.70	102.7	24.23
Indiana.....	466.6	10,994	2.12	8.81	137.1	30.14
Kentucky.....	58.3	11,923	1.70	11.59	122.2	29.13
Pennsylvania.....	173.7	13,213	2.53	7.34	132.3	34.97
Indonesia.....	11.1	9,242	.13	1.35	104.8	19.38
<b>Total</b> .....	<b>721.5</b>	<b>11,589</b>	<b>2.14</b>	<b>8.53</b>	<b>133.6</b>	<b>30.96</b>
<b>1994</b>						
Illinois.....	362.8	11,905	1.53	7.19	130.0	30.96
Indiana.....	326.8	11,062	1.82	8.77	121.5	26.88
Kentucky.....	304.0	11,849	1.73	11.81	132.6	31.42
Pennsylvania.....	492.1	13,237	2.29	7.59	112.9	29.89
West Virginia.....	31.9	12,451	1.30	10.41	121.3	30.20
<b>Total</b> .....	<b>1,517.6</b>	<b>12,155</b>	<b>1.88</b>	<b>8.65</b>	<b>122.6</b>	<b>29.81</b>
<b>1995</b>						
Illinois.....	445.0	11,913	1.43	7.05	123.4	29.41
Indiana.....	133.3	11,064	1.31	9.65	116.2	25.72
Pennsylvania.....	547.4	13,131	2.35	7.97	102.4	26.90
<b>Total</b> .....	<b>1,125.7</b>	<b>12,405</b>	<b>1.86</b>	<b>7.80</b>	<b>111.9</b>	<b>27.75</b>
<b>1996</b>						
<b>January - March</b>						
Illinois.....	89.7	11,890	1.33	6.32	121.4	28.87
Kentucky.....	15.1	12,408	1.71	9.50	113.4	28.14
Pennsylvania.....	63.1	13,335	2.18	7.71	109.2	29.13
<b>Total</b> .....	<b>167.9</b>	<b>12,480</b>	<b>1.68</b>	<b>7.13</b>	<b>115.8</b>	<b>28.90</b>
<b>Year to Date</b>						
Illinois.....	89.7	11,890	1.33	6.32	121.4	28.87
Kentucky.....	15.1	12,408	1.71	9.50	113.4	28.14
Pennsylvania.....	63.1	13,335	2.18	7.71	109.2	29.13
<b>Total</b> .....	<b>167.9</b>	<b>12,480</b>	<b>1.68</b>	<b>7.13</b>	<b>115.8</b>	<b>28.90</b>
<b>Company and Plant: Public Serv Co of New Hampshire, Merrimack</b>						
<b>1990</b>						
Pennsylvania.....	273.5	13,308	1.36	6.37	178.7	47.55
West Virginia.....	697.5	13,386	2.43	7.19	172.9	46.29
<b>Total</b> .....	<b>971.0</b>	<b>13,364</b>	<b>2.13</b>	<b>6.96</b>	<b>174.5</b>	<b>46.65</b>
<b>1991</b>						
Pennsylvania.....	740.1	13,249	1.51	6.57	176.2	46.68
West Virginia.....	219.6	13,411	2.41	6.82	165.9	44.48
<b>Total</b> .....	<b>959.7</b>	<b>13,286</b>	<b>1.71</b>	<b>6.63</b>	<b>173.8</b>	<b>46.18</b>
<b>1992</b>						
Pennsylvania.....	671.5	13,266	1.57	6.30	171.5	45.50
West Virginia.....	331.8	13,416	2.27	6.94	161.4	43.30
<b>Total</b> .....	<b>1,003.3</b>	<b>13,316</b>	<b>1.80</b>	<b>6.51</b>	<b>168.1</b>	<b>44.77</b>

See footnotes at the end of Table A7.

**Table A7. Cost and Quality of All Coal Received at Electric Utility Plants that Import Coal by Origin, 1990-1996 (Continued)**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality <sup>1</sup>			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
<b>Company and Plant: Public Serv Co of New Hampshire, Merrimack</b>						
<b>1993</b>						
Pennsylvania .....	661.6	13,240	1.63	6.42	165.9	43.92
West Virginia .....	388.6	13,225	2.27	7.59	155.3	41.07
Indonesia .....	21.2	12,620	.49	3.80	186.5	47.07
Venezuela .....	24.9	12,920	.58	6.00	163.2	42.17
<b>Total .....</b>	<b>1,096.3</b>	<b>13,216</b>	<b>1.81</b>	<b>6.77</b>	<b>162.4</b>	<b>42.93</b>
<b>1994</b>						
Pennsylvania .....	706.9	13,176	1.57	6.61	156.5	41.25
West Virginia .....	272.1	13,253	2.34	7.50	147.8	39.17
<b>Total .....</b>	<b>979.0</b>	<b>13,197</b>	<b>1.78</b>	<b>6.86</b>	<b>154.1</b>	<b>40.67</b>
<b>1995</b>						
Pennsylvania .....	759.3	13,203	1.49	6.90	161.1	42.53
Virginia .....	19.1	13,910	.68	7.00	203.5	56.61
West Virginia .....	223.3	13,366	2.29	6.28	141.7	37.89
Colombia .....	11.5	11,578	.53	3.80	192.9	44.67
<b>Total .....</b>	<b>1,013.2</b>	<b>13,234</b>	<b>1.64</b>	<b>6.73</b>	<b>157.9</b>	<b>41.80</b>
<b>1996</b>						
January - March						
Pennsylvania .....	196.8	13,233	1.52	6.82	161.7	42.80
West Virginia .....	78.9	13,305	2.28	6.26	142.6	37.94
<b>Total .....</b>	<b>275.7</b>	<b>13,253</b>	<b>1.74</b>	<b>6.66</b>	<b>156.2</b>	<b>41.41</b>
<b>Year to Date</b>						
Pennsylvania .....	196.8	13,233	1.52	6.82	161.7	42.80
West Virginia .....	78.9	13,305	2.28	6.26	142.6	37.94
<b>Total .....</b>	<b>275.7</b>	<b>13,253</b>	<b>1.74</b>	<b>6.66</b>	<b>156.2</b>	<b>41.41</b>
<b>Company and Plant: Public Serv Co of New Hampshire, Schiller</b>						
<b>1990</b>						
Kentucky .....	17.2	12,968	0.88	6.60	201.2	52.20
Pennsylvania .....	21.9	13,072	1.31	6.51	184.1	48.13
West Virginia .....	116.9	13,030	.85	7.09	194.4	50.67
Canada .....	33.6	13,459	1.30	5.90	181.0	48.72
Venezuela .....	110.2	13,105	.49	4.82	187.7	49.19
<b>Total .....</b>	<b>299.8</b>	<b>13,105</b>	<b>.80</b>	<b>6.05</b>	<b>190.0</b>	<b>49.81</b>
<b>1991</b>						
West Virginia .....	117.5	13,384	.69	6.24	180.6	48.34
Venezuela .....	207.1	12,989	.52	5.65	173.6	45.10
<b>Total .....</b>	<b>324.6</b>	<b>13,132</b>	<b>.58</b>	<b>5.86</b>	<b>176.2</b>	<b>46.28</b>
<b>1992</b>						
Pennsylvania .....	8.3	13,080	1.46	6.25	173.0	45.26
West Virginia .....	131.9	13,252	.77	6.62	175.2	46.44
Colombia .....	48.4	12,428	.61	6.31	157.2	39.08
Venezuela .....	34.3	12,881	.58	6.76	168.0	43.29
<b>Total .....</b>	<b>222.9</b>	<b>13,010</b>	<b>.73</b>	<b>6.56</b>	<b>170.3</b>	<b>44.31</b>
<b>1993</b>						
West Virginia .....	57.6	13,238	.75	7.40	171.7	45.45
Colombia .....	52.1	12,861	.64	7.49	150.0	38.59
Indonesia .....	16.0	12,620	.49	3.80	161.3	40.71
Venezuela .....	84.3	12,972	.58	6.08	138.6	35.95
<b>Total .....</b>	<b>210.1</b>	<b>12,991</b>	<b>.63</b>	<b>6.62</b>	<b>152.3</b>	<b>39.58</b>
<b>1994</b>						
Colombia .....	163.3	12,505	.62	5.55	135.5	33.89
Indonesia .....	113.0	12,360	.53	3.58	158.7	39.23
<b>Total .....</b>	<b>276.3</b>	<b>12,446</b>	<b>.58</b>	<b>4.74</b>	<b>144.9</b>	<b>36.07</b>
<b>1995</b>						
West Virginia .....	74.1	12,997	.80	8.76	164.3	42.72
Colombia .....	122.9	12,733	.62	6.70	160.0	40.73
Indonesia .....	79.7	12,300	.52	4.56	167.8	41.28
Venezuela .....	82.4	13,044	.71	7.24	156.5	40.84
<b>Total .....</b>	<b>359.1</b>	<b>12,762</b>	<b>.66</b>	<b>6.77</b>	<b>161.8</b>	<b>41.29</b>
<b>1996</b>						
January - March						
Pennsylvania .....	29.3	13,098	1.36	7.05	159.0	41.65
Colombia .....	32.3	12,169	.66	5.68	161.9	39.41
<b>Total .....</b>	<b>61.7</b>	<b>12,611</b>	<b>.99</b>	<b>6.33</b>	<b>160.5</b>	<b>40.47</b>

See footnotes at the end of Table A7.

**Table A7. Cost and Quality of All Coal Received at Electric Utility Plants that Import Coal by Origin, 1990-1996 (Continued)**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality <sup>1</sup>			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
<b>Company and Plant: Public Serv Co of New Hampshire, Schiller</b>						
<b>1996</b>						
<b>Year to Date</b>						
Pennsylvania .....	29.3	13,098	1.36	7.05	159.0	41.65
Colombia.....	32.3	12,169	.66	5.68	161.9	39.41
<b>Total .....</b>	<b>61.7</b>	<b>12,611</b>	<b>.99</b>	<b>6.33</b>	<b>160.5</b>	<b>40.47</b>
<b>Company and Plant: Public Serv Electric &amp; Gas-NJ, Hudson</b>						
<b>1990</b>						
Kentucky .....	47.3	13,051	0.75	7.58	190.1	49.61
Pennsylvania .....	19.1	13,133	.84	7.89	183.0	48.06
West Virginia.....	1,033.9	13,094	.81	8.15	180.5	47.26
<b>Total .....</b>	<b>1,100.3</b>	<b>13,093</b>	<b>.80</b>	<b>8.12</b>	<b>180.9</b>	<b>47.37</b>
<b>1991</b>						
Kentucky .....	24.7	13,096	.80	7.46	170.0	44.53
West Virginia.....	486.5	13,040	.80	7.83	184.7	48.18
<b>Total .....</b>	<b>511.2</b>	<b>13,043</b>	<b>.80</b>	<b>7.81</b>	<b>184.0</b>	<b>48.01</b>
<b>1992</b>						
Kentucky .....	189.1	13,197	.83	6.64	183.3	48.38
West Virginia.....	380.3	13,069	.82	7.36	173.1	45.24
<b>Total .....</b>	<b>569.4</b>	<b>13,111</b>	<b>.82</b>	<b>7.12</b>	<b>176.5</b>	<b>46.28</b>
<b>1993</b>						
Kentucky .....	76.0	13,336	.84	6.75	185.7	49.54
West Virginia.....	362.0	12,930	.81	7.93	188.1	48.65
<b>Total .....</b>	<b>438.0</b>	<b>13,000</b>	<b>.82</b>	<b>7.73</b>	<b>187.7</b>	<b>48.80</b>
<b>1994</b>						
Kentucky .....	251.3	13,158	.73	7.48	202.1	53.19
West Virginia.....	293.6	13,102	.80	7.53	202.5	53.05
Colombia.....	22.5	12,870	.68	6.90	166.9	42.96
<b>Total .....</b>	<b>567.4</b>	<b>13,118</b>	<b>.77</b>	<b>7.48</b>	<b>200.9</b>	<b>52.71</b>
<b>1995</b>						
Kentucky .....	436.3	13,082	.65	6.77	191.2	50.02
West Virginia.....	252.1	13,070	.83	7.59	179.5	46.93
<b>Total .....</b>	<b>688.4</b>	<b>13,078</b>	<b>.71</b>	<b>7.07</b>	<b>186.9</b>	<b>48.89</b>
<b>1996</b>						
<b>January - March</b>						
Kentucky.....	21.6	13,042	.63	6.76	186.8	48.71
West Virginia.....	95.5	12,995	.83	8.20	174.8	45.43
<b>Total .....</b>	<b>117.1</b>	<b>13,004</b>	<b>.80</b>	<b>7.93</b>	<b>177.0</b>	<b>46.03</b>
<b>Year to Date</b>						
Kentucky.....	21.6	13,042	.63	6.76	186.8	48.71
West Virginia.....	95.5	12,995	.83	8.20	174.8	45.43
<b>Total .....</b>	<b>117.1</b>	<b>13,004</b>	<b>.80</b>	<b>7.93</b>	<b>177.0</b>	<b>46.03</b>
<b>Company and Plant: Savannah Electric and Power, Port Wentworth</b>						
<b>1990</b>						
Virginia .....	417.8	12,946	1.06	8.66	166.9	43.21
<b>Total .....</b>	<b>417.8</b>	<b>12,946</b>	<b>1.06</b>	<b>8.66</b>	<b>166.9</b>	<b>43.21</b>
<b>1991</b>						
Kentucky .....	10.3	12,308	.97	10.84	167.7	41.27
Virginia .....	178.6	12,665	.87	9.55	165.2	41.85
<b>Total .....</b>	<b>189.0</b>	<b>12,646</b>	<b>.87</b>	<b>9.63</b>	<b>165.3</b>	<b>41.82</b>
<b>1992</b>						
Kentucky.....	3.0	11,947	1.36	13.60	132.2	31.59
Virginia.....	60.5	12,392	.98	11.96	148.1	36.71
<b>Total .....</b>	<b>63.5</b>	<b>12,371</b>	<b>1.00</b>	<b>12.04</b>	<b>147.4</b>	<b>36.46</b>
<b>1993</b>						
Kentucky.....	80.2	12,770	.98	9.66	175.8	44.91
Virginia.....	174.6	12,782	.99	10.15	173.0	44.22
West Virginia.....	5.1	12,738	.77	8.60	166.7	42.46
<b>Total .....</b>	<b>259.9</b>	<b>12,777</b>	<b>.98</b>	<b>9.97</b>	<b>173.7</b>	<b>44.40</b>
<b>1994</b>						
Kentucky.....	106.7	12,520	1.19	9.54	172.2	43.13
Virginia.....	31.6	12,543	.98	10.23	169.4	42.49
Colombia.....	11.9	11,235	.69	5.87	214.1	48.12
Venezuela.....	16.8	12,575	1.12	8.60	168.0	42.25
<b>Total .....</b>	<b>167.0</b>	<b>12,438</b>	<b>1.11</b>	<b>9.31</b>	<b>174.0</b>	<b>43.27</b>

See footnotes at the end of Table A7.

**Table A7. Cost and Quality of All Coal Received at Electric Utility Plants that Import Coal by Origin, 1990-1996 (Continued)**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality <sup>1</sup>			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
<b>Company and Plant: Savannah Electric and Power, Port Wentworth</b>						
<b>1995</b>						
Kentucky .....	9.9	11,801	0.55	14.50	143.0	33.75
Virginia .....	130.3	13,124	.87	9.43	159.0	41.74
<b>Total .....</b>	<b>140.3</b>	<b>13,030</b>	<b>.85</b>	<b>9.79</b>	<b>158.0</b>	<b>41.17</b>
<b>1996</b>						
January - March						
Venezuela .....	28.3	12,303	1.07	5.90	193.2	47.54
<b>Total .....</b>	<b>28.3</b>	<b>12,303</b>	<b>1.07</b>	<b>5.90</b>	<b>193.2</b>	<b>47.54</b>
<b>Year to Date</b>						
Venezuela .....	28.3	12,303	1.07	5.90	193.2	47.54
<b>Total .....</b>	<b>28.3</b>	<b>12,303</b>	<b>1.07</b>	<b>5.90</b>	<b>193.2</b>	<b>47.54</b>
<b>Company and Plant: Takoma Dept. of Public Utilities, Steam No.2</b>						
<b>1991</b>						
Washington .....	0.1	12,846	0.70	14.50	170.0	43.68
Canada .....	26.9	9,994	.46	12.76	209.2	41.82
<b>Total .....</b>	<b>27.0</b>	<b>10,004</b>	<b>.46</b>	<b>12.76</b>	<b>209.0</b>	<b>41.82</b>
<b>1992</b>						
Montana .....	4.0	9,492	.40	4.25	169.0	32.08
Washington .....	2.3	12,366	.72	14.03	154.5	38.21
Wyoming .....	2.0	8,846	.22	4.67	181.0	32.02
Canada .....	15.3	9,993	.42	12.95	214.7	42.90
<b>Total .....</b>	<b>23.7</b>	<b>10,043</b>	<b>.43</b>	<b>10.87</b>	<b>197.5</b>	<b>39.67</b>
<b>1993</b>						
Montana .....	10.0	9,482	.37	4.10	182.6	34.63
Washington .....	2.2	10,967	.70	14.47	163.5	35.87
Canada .....	29.2	10,036	.48	12.60	179.5	36.03
<b>Total .....</b>	<b>41.4</b>	<b>9,951</b>	<b>.46</b>	<b>10.64</b>	<b>179.3</b>	<b>35.68</b>
<b>1994</b>						
Montana .....	26.4	9,465	.41	4.63	175.8	33.27
Washington .....	3.3	10,865	.72	13.30	165.3	35.91
Canada .....	6.3	9,806	.48	12.80	178.0	34.91
<b>Total .....</b>	<b>36.1</b>	<b>9,655</b>	<b>.45</b>	<b>6.87</b>	<b>175.1</b>	<b>33.81</b>
<b>1995</b>						
Montana .....	3.8	9,470	.36	4.64	180.0	34.09
Canada .....	23.8	10,066	.47	13.14	166.0	33.42
<b>Total .....</b>	<b>27.6</b>	<b>9,983</b>	<b>.46</b>	<b>11.96</b>	<b>167.8</b>	<b>33.51</b>
<b>1996</b>						
January - March						
Montana .....	3.9	9,516	.50	5.00	176.0	33.50
<b>Total .....</b>	<b>3.9</b>	<b>9,516</b>	<b>.50</b>	<b>5.00</b>	<b>176.0</b>	<b>33.50</b>
<b>Year to Date</b>						
Montana .....	3.9	9,516	.50	5.00	176.0	33.50
<b>Total .....</b>	<b>3.9</b>	<b>9,516</b>	<b>.50</b>	<b>5.00</b>	<b>176.0</b>	<b>33.50</b>
<b>Company and Plant: Tampa Electric, Big Bend<sup>2</sup></b>						
<b>1990</b>						
Illinois .....	1,108.9	11,029	2.90	8.86	187.0	41.24
Indiana .....	431.1	11,226	3.21	9.12	107.8	24.20
Kentucky .....	3,901.7	12,490	2.14	7.63	177.2	44.26
Tennessee .....	126.3	12,780	1.11	6.60	215.2	55.00
Virginia .....	90.0	14,040	.83	4.57	161.4	45.32
West Virginia .....	434.5	13,239	2.08	7.40	194.7	51.54
<b>Total .....</b>	<b>6,092.6</b>	<b>12,217</b>	<b>2.31</b>	<b>7.88</b>	<b>176.2</b>	<b>43.05</b>
<b>1991</b>						
Illinois .....	1,112.9	11,046	2.95	9.16	193.5	42.74
Indiana .....	163.5	11,067	2.91	8.63	110.7	24.51
Kentucky .....	3,888.7	12,461	2.20	7.76	182.4	45.46
Pennsylvania .....	2.8	13,004	1.46	6.90	127.5	33.16
Tennessee .....	158.3	12,795	1.18	6.54	218.2	55.84
West Virginia .....	450.0	13,261	2.40	7.48	206.5	54.77
Indonesia .....	24.3	9,815	.07	1.20	227.3	44.62
<b>Total .....</b>	<b>5,800.5</b>	<b>12,211</b>	<b>2.34</b>	<b>7.97</b>	<b>185.7</b>	<b>45.34</b>

See footnotes at the end of Table A7.



**Table A7. Cost and Quality of All Coal Received at Electric Utility Plants that Import Coal by Origin, 1990-1996 (Continued)**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality <sup>1</sup>			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
<b>Company and Plant: Tampa Electric, Big Bend<sup>2</sup></b>						
<b>1993</b>						
Illinois .....	35.2	11,194	0.82	11.00	185.1	41.44
<b>Total .....</b>	<b>35.2</b>	<b>11,194</b>	<b>.82</b>	<b>11.00</b>	<b>185.1</b>	<b>41.44</b>
<b>Company and Plant: Tampa Electric, Davant Transfer</b>						
<b>1992</b>						
Colorado .....	180.6	13,092	0.45	10.01	146.5	38.37
Illinois .....	1,224.1	11,287	2.87	8.89	181.0	40.86
Kentucky .....	3,358.9	12,415	2.30	7.91	178.7	44.37
Tennessee .....	268.8	12,861	1.19	6.20	217.6	55.98
Utah .....	31.6	11,596	.39	8.20	163.8	37.99
West Virginia .....	451.8	13,137	2.38	7.64	207.1	54.41
Wyoming .....	12.3	8,887	.20	4.70	142.3	25.29
<b>Total .....</b>	<b>5,528.1</b>	<b>12,255</b>	<b>2.30</b>	<b>8.09</b>	<b>182.4</b>	<b>44.70</b>
<b>1993</b>						
Illinois .....	1,346.0	11,380	2.77	8.93	170.6	38.82
Indiana .....	18.8	11,230	3.02	10.43	123.1	27.64
Kentucky .....	2,783.2	12,425	2.20	7.94	189.3	47.05
Tennessee .....	304.6	12,740	1.12	7.02	203.7	51.89
Utah .....	186.5	11,586	.35	8.25	156.1	36.17
West Virginia .....	728.0	13,186	2.27	7.40	172.4	45.47
Colombia .....	222.2	10,844	.62	7.63	166.6	36.13
Venezuela .....	61.4	11,056	1.48	9.78	220.7	48.80
<b>Total .....</b>	<b>5,650.8</b>	<b>12,182</b>	<b>2.16</b>	<b>8.08</b>	<b>181.9</b>	<b>44.31</b>
<b>1994</b>						
Colorado .....	422.5	12,980	.44	9.88	158.7	41.19
Illinois .....	1,874.6	11,234	2.94	9.45	164.6	36.99
Kentucky .....	2,399.8	12,268	2.49	7.39	186.9	45.85
Pennsylvania .....	70.0	13,276	2.39	7.75	132.2	35.11
Tennessee .....	276.1	12,628	1.14	7.43	215.3	54.38
West Virginia .....	626.3	13,096	2.63	7.34	167.5	43.88
Wyoming .....	117.8	8,746	.28	5.12	131.6	23.01
Indonesia .....	147.2	9,871	.09	1.10	143.0	28.24
<b>Total .....</b>	<b>5,934.5</b>	<b>11,979</b>	<b>2.33</b>	<b>8.02</b>	<b>174.8</b>	<b>41.89</b>
<b>1995</b>						
Colorado .....	810.8	12,745	.43	9.84	184.3	46.99
Illinois .....	2,370.8	11,536	2.26	8.27	170.5	39.33
Kentucky .....	1,737.5	11,818	2.62	7.35	139.0	32.86
Tennessee .....	120.2	12,565	1.12	8.66	229.2	57.59
Indonesia .....	348.9	9,696	.31	1.16	143.8	27.88
<b>Total .....</b>	<b>5,388.1</b>	<b>11,713</b>	<b>1.95</b>	<b>7.76</b>	<b>162.5</b>	<b>38.06</b>
<b>1996</b>						
<b>January - March</b>						
Colorado .....	138.6	12,929	.48	10.04	190.8	49.32
Illinois .....	650.5	11,711	2.11	7.87	169.0	39.57
Kentucky .....	400.1	11,607	2.55	7.15	125.9	29.23
Indonesia .....	77.2	9,813	.11	1.30	149.7	29.38
<b>Total .....</b>	<b>1,266.4</b>	<b>11,696</b>	<b>1.95</b>	<b>7.48</b>	<b>157.1</b>	<b>36.75</b>
<b>Year to Date</b>						
Colorado .....	138.6	12,929	.48	10.04	190.8	49.32
Illinois .....	650.5	11,711	2.11	7.87	169.0	39.57
Kentucky .....	400.1	11,607	2.55	7.15	125.9	29.23
Indonesia .....	77.2	9,813	.11	1.30	149.7	29.38
<b>Total .....</b>	<b>1,266.4</b>	<b>11,696</b>	<b>1.95</b>	<b>7.48</b>	<b>157.1</b>	<b>36.75</b>
<b>Total of U.S. Electric Utility Plants</b>						
<b>1990</b>						
Colorado .....	1,828.8	10,588	0.38	6.30	206.0	43.63
Illinois .....	2,989.3	11,642	2.81	8.84	205.5	47.84
Indiana .....	1,481.5	11,025	2.59	9.04	127.3	28.07
Kentucky .....	9,448.8	12,598	1.62	7.90	173.4	43.69
Maryland .....	61.0	13,403	1.16	8.53	170.8	45.79
Ohio .....	1,011.1	11,825	3.08	12.03	111.0	26.25
Pennsylvania .....	1,843.3	12,943	1.52	8.43	169.6	43.90
Tennessee .....	126.3	12,780	1.11	6.60	215.2	55.00
Virginia .....	1,841.1	13,134	1.12	8.01	174.1	45.74

See footnotes at the end of Table A7.

**Table A7. Cost and Quality of All Coal Received at Electric Utility Plants that Import Coal by Origin, 1990-1996 (Continued)**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality <sup>1</sup>			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
<b>Total of U.S. Electric Utility Plants</b>						
<b>1990</b>						
West Virginia.....	9,247.6	12,906	1.09	9.02	175.7	45.34
Wyoming.....	4,487.0	8,389	.43	5.33	167.5	28.11
Canada.....	33.6	13,459	1.30	5.90	181.0	48.72
Colombia.....	1,112.5	11,978	.73	6.54	173.4	41.53
Venezuela.....	220.1	12,851	.58	6.85	182.6	46.93
<b>Total</b> .....	<b>35,732.1</b>	<b>11,910</b>	<b>1.38</b>	<b>8.01</b>	<b>174.2</b>	<b>41.48</b>
<b>1991</b>						
Colorado.....	1,733.6	10,753	.38	5.99	207.6	44.64
Illinois.....	3,314.2	11,682	2.78	8.83	205.3	47.97
Indiana.....	1,019.1	11,036	2.35	8.36	131.1	28.93
Kentucky.....	8,676.1	12,592	1.69	7.93	171.7	43.23
Maryland.....	15.1	13,150	1.59	10.50	141.0	37.08
Montana.....	105.5	9,344	.30	4.10	145.2	27.14
Ohio.....	1,019.3	12,191	3.57	10.73	124.4	30.33
Pennsylvania.....	1,760.5	13,039	1.60	7.80	171.4	44.71
Tennessee.....	158.3	12,795	1.18	6.54	218.2	55.84
Virginia.....	1,140.4	13,233	1.00	7.39	174.3	46.12
Washington.....	.1	12,846	.70	14.50	170.0	43.68
West Virginia.....	9,902.3	12,894	1.00	9.15	174.0	44.86
Wyoming.....	5,155.5	8,457	.41	5.20	152.0	25.71
Canada.....	26.9	9,994	.46	12.76	209.2	41.82
Colombia.....	1,582.6	11,978	.73	7.04	153.1	36.68
Indonesia.....	24.3	9,815	.07	1.20	227.3	44.62
Venezuela.....	333.0	13,080	.59	6.54	166.2	43.47
<b>Total</b> .....	<b>35,966.9</b>	<b>11,862</b>	<b>1.34</b>	<b>7.86</b>	<b>171.9</b>	<b>40.78</b>
<b>1992</b>						
Alabama.....	71.9	12,060	2.75	12.94	120.6	29.09
Colorado.....	1,961.3	11,088	.40	6.66	198.7	44.06
Illinois.....	3,933.7	11,729	2.79	8.55	190.4	44.67
Indiana.....	826.6	10,901	2.26	8.78	142.3	31.01
Kentucky.....	8,316.3	12,573	1.56	8.18	168.6	42.39
Montana.....	86.2	9,388	.31	4.16	137.5	25.82
Ohio.....	963.7	12,135	3.62	11.27	104.4	25.35
Pennsylvania.....	1,340.4	13,123	1.60	7.13	167.3	43.92
Tennessee.....	268.8	12,861	1.19	6.20	217.6	55.98
Utah.....	31.6	11,596	.39	8.20	163.8	37.99
Virginia.....	348.6	12,938	1.02	8.66	176.3	45.62
Washington.....	2.3	12,366	.72	14.03	154.5	38.21
West Virginia.....	10,732.8	12,868	1.00	9.21	168.0	43.25
Wyoming.....	5,699.2	8,388	.45	5.28	145.7	24.44
Canada.....	48.1	12,432	1.09	6.72	185.1	46.01
Colombia.....	1,504.1	11,938	.70	6.91	150.9	36.04
Indonesia.....	13.1	9,587	.14	1.20	166.9	32.00
Venezuela.....	240.6	13,206	.69	7.18	164.6	43.49
<b>Total</b> .....	<b>36,389.4</b>	<b>11,777</b>	<b>1.31</b>	<b>7.97</b>	<b>167.0</b>	<b>39.32</b>
<b>1993</b>						
Alabama.....	72.3	12,337	2.09	11.73	191.1	47.15
Colorado.....	1,947.6	10,661	.40	6.86	198.9	42.40
Illinois.....	3,596.4	11,738	2.56	8.43	174.6	40.99
Indiana.....	485.4	11,003	2.15	8.88	136.5	30.05
Kentucky.....	7,628.4	12,625	1.44	8.27	174.9	44.16
Maryland.....	56.2	13,015	1.30	9.55	161.4	42.00
Montana.....	187.7	9,428	.39	4.58	160.4	30.24
Ohio.....	1,151.5	12,135	3.57	11.37	102.2	24.81
Pennsylvania.....	1,451.4	13,093	1.79	7.35	156.7	41.04
Tennessee.....	304.6	12,740	1.12	7.02	203.7	51.89
Utah.....	186.5	11,586	.35	8.25	156.1	36.17
Virginia.....	435.8	12,995	.94	8.99	186.8	48.56
Washington.....	2.2	10,967	.70	14.47	163.5	35.87
West Virginia.....	8,712.9	12,899	1.03	8.99	167.0	43.08
Wyoming.....	6,107.1	8,360	.42	5.25	148.6	24.85
Canada.....	29.2	10,036	.48	12.60	179.5	36.03
Colombia.....	3,585.1	11,867	.66	6.85	149.0	35.37
Indonesia.....	115.8	10,620	.22	2.07	166.1	35.29
Venezuela.....	897.5	12,874	.67	6.96	166.4	42.84
<b>Total</b> .....	<b>36,953.7</b>	<b>11,685</b>	<b>1.20</b>	<b>7.75</b>	<b>164.7</b>	<b>38.49</b>

See footnotes at the end of Table A7.

**Table A7. Cost and Quality of All Coal Received at Electric Utility Plants that Import Coal by Origin, 1990-1996 (Continued)**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality <sup>1</sup>			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
<b>Total of U.S. Electric Utility Plants</b>						
<b>1994</b>						
Alabama .....	1.5	12,241	2.87	10.00	204.1	49.97
Colorado.....	2,861.0	11,189	.42	8.16	181.7	40.67
Illinois.....	4,198.2	11,616	2.44	8.40	164.4	38.19
Indiana.....	326.8	11,062	1.82	8.77	121.5	26.88
Kentucky.....	7,063.9	12,543	1.51	8.37	177.0	44.41
Maryland.....	138.3	13,155	1.38	9.85	149.9	39.43
Montana.....	1,314.8	9,404	.40	4.78	138.8	26.11
Ohio.....	937.8	12,266	3.58	10.63	99.0	24.28
Pennsylvania.....	1,992.6	13,125	1.76	7.34	144.5	37.94
Tennessee.....	276.1	12,628	1.14	7.43	215.3	54.38
Virginia.....	127.7	12,926	.87	8.50	173.6	44.89
Washington.....	3.3	10,865	.72	13.30	165.3	35.91
West Virginia.....	10,428.8	12,725	.95	9.62	165.0	41.98
Wyoming.....	6,022.8	8,466	.36	4.94	149.3	25.28
Canada.....	63.3	10,885	.26	10.53	152.4	33.19
Colombia.....	2,971.8	11,997	.66	6.76	142.7	34.25
Indonesia.....	437.3	10,499	.22	1.82	157.4	33.06
South Africa.....	127.3	11,318	.65	12.60	181.1	41.00
Venezuela.....	1,355.2	12,649	.76	6.61	172.3	43.60
<b>Total .....</b>	<b>40,648.6</b>	<b>11,642</b>	<b>1.13</b>	<b>7.83</b>	<b>161.8</b>	<b>37.66</b>
<b>1995</b>						
Colorado.....	3,530.8	11,476	.42	8.41	170.8	39.19
Illinois.....	4,594.4	11,754	1.95	7.81	170.7	40.12
Indiana.....	133.3	11,064	1.31	9.65	116.2	25.72
Kentucky.....	6,672.7	12,511	1.38	8.11	161.6	40.44
Maryland.....	265.8	13,113	1.29	9.87	151.1	39.62
Montana.....	1,273.3	9,400	.38	4.43	140.1	26.34
Ohio.....	225.7	12,444	3.78	10.17	95.2	23.68
Pennsylvania.....	2,051.9	13,140	1.78	7.51	137.1	36.04
Tennessee.....	120.2	12,565	1.12	8.66	229.2	57.59
Virginia.....	172.6	13,245	.93	8.77	162.0	42.92
West Virginia.....	8,203.7	12,619	.81	10.18	162.0	40.90
Wyoming.....	6,577.9	8,502	.34	5.01	152.7	25.96
Canada.....	23.8	10,066	.47	13.14	166.0	33.42
Colombia.....	2,040.1	11,985	.65	6.83	153.9	36.89
Indonesia.....	428.6	10,181	.35	1.79	149.2	30.37
Venezuela.....	1,905.7	12,610	.79	6.57	194.1	48.95
<b>Total .....</b>	<b>38,220.4</b>	<b>11,539</b>	<b>.98</b>	<b>7.68</b>	<b>161.2</b>	<b>37.21</b>
<b>1996</b>						
<b>January - March</b>						
Colorado.....	535.5	11,112	.41	6.85	156.9	34.87
Illinois.....	1,094.8	11,832	1.85	7.46	174.0	41.17
Kentucky.....	1,926.8	12,529	1.28	8.16	157.0	39.34
Maryland.....	21.9	12,995	1.50	9.23	149.1	38.76
Montana.....	356.8	9,427	.41	4.42	140.8	26.55
Pennsylvania.....	479.6	13,177	1.69	7.16	144.5	38.08
West Virginia.....	2,029.3	12,599	.80	10.32	162.0	40.82
Wyoming.....	1,589.2	8,530	.38	5.12	154.1	26.29
Colombia.....	528.5	11,882	.63	6.67	153.4	36.46
Indonesia.....	77.2	9,813	.11	1.30	149.7	29.38
Venezuela.....	446.7	12,509	.86	6.21	195.8	48.98
<b>Total .....</b>	<b>9,086.2</b>	<b>11,530</b>	<b>.95</b>	<b>7.51</b>	<b>160.4</b>	<b>37.00</b>
<b>Year to Date</b>						
Colorado.....	535.5	11,112	.41	6.85	156.9	34.87
Illinois.....	1,094.8	11,832	1.85	7.46	174.0	41.17
Kentucky.....	1,926.8	12,529	1.28	8.16	157.0	39.34
Maryland.....	21.9	12,995	1.50	9.23	149.1	38.76
Montana.....	356.8	9,427	.41	4.42	140.8	26.55
Pennsylvania.....	479.6	13,177	1.69	7.16	144.5	38.08
West Virginia.....	2,029.3	12,599	.80	10.32	162.0	40.82
Wyoming.....	1,589.2	8,530	.38	5.12	154.1	26.29
Colombia.....	528.5	11,882	.63	6.67	153.4	36.46
Indonesia.....	77.2	9,813	.11	1.30	149.7	29.38
Venezuela.....	446.7	12,509	.86	6.21	195.8	48.98
<b>Total .....</b>	<b>9,086.2</b>	<b>11,530</b>	<b>.95</b>	<b>7.51</b>	<b>160.4</b>	<b>37.00</b>

<sup>1</sup> Data reported on quality of coal as received.

<sup>2</sup> Average cost data on coal delivered to Tampa Electric, Big Bend plant from the New Orleans transfer facility do not include the transportation cost of approximately \$5 per short ton from New Orleans to Tampa.

Notes: Total may not equal sum of components because of independent rounding. Only plants that have received imported coal since January 1, 1990, are included.

# **Appendix B**

## **Metric Tables**

## Appendix B

### Metric Tables

In response to requests from international users of U.S. coal statistics, certain summary data have been converted from the customary short tons to metric tons. This enables U.S. statistics to be compared with data published by countries using the metric system. The conversion to metric tons is made by multiplying short tons by .907185. For pounds and British thermal unit (Btu) data, the conversion from Btu to joules is

made by multiplying Btu by  $1.055 \times 10^3$ , and the conversion from pounds to kilograms is made by multiplying pounds by 0.45359.

The data converted to metric tons are from Tables 1, 37, 44, 6/7, 8, 9, 10, 11, 12, 13, 16, and 17. In this section, the correlative data are in Tables B1 through B12, respectively.

**Table B1. U.S. Coal Production, Imports, Consumption, Exports, and Stocks, 1988-1996**  
(Thousand Metric Tons)

Year and Quarter	Production	Imports	Producer and Distributor Stocks <sup>1</sup>	Consumption	Exports	Consumer Stocks <sup>1</sup>
<b>1988 January - March</b> .....	214,903	492	33,352	200,295	14,570	159,011
April - June .....	205,609	533	32,730	186,640	22,589	157,222
July - September .....	219,196	397	28,449	216,520	25,121	140,006
October - December .....	222,359	514	27,594	198,173	23,923	143,710
<b>Total</b> .....	<b>862,066</b>	<b>1,936</b>		<b>801,627</b>	<b>86,203</b>	
<b>1989 January - March</b> .....	224,237	482	32,212	202,743	19,440	135,386
April - June .....	216,837	623	27,758	188,717	25,805	144,254
July - September .....	220,500	839	26,171	210,490	21,764	133,506
October - December .....	228,128	642	26,308	205,171	24,448	132,528
<b>Total</b> .....	<b>889,702</b>	<b>2,587</b>		<b>807,121</b>	<b>91,458</b>	
<b>1990 January - March</b> .....	239,664	666	31,841	196,872	20,305	145,859
April - June .....	230,678	612	33,471	192,020	25,159	156,998
July - September .....	231,114	466	30,535	218,469	26,759	146,637
October - December .....	232,106	704	30,317	205,004	23,760	152,598
<b>Total</b> .....	<b>933,562</b>	<b>2,449</b>		<b>812,366</b>	<b>95,984</b>	
<b>1991 January - March</b> .....	231,102	851	38,249	198,863	20,247	155,568
April - June .....	215,008	662	37,243	189,381	23,781	157,544
July - September .....	228,101	893	30,507	214,180	28,302	148,651
October - December .....	229,331	669	29,911	202,812	26,526	152,145
<b>Total</b> .....	<b>903,542</b>	<b>3,075</b>		<b>805,236</b>	<b>98,855</b>	
<b>1992 January - March</b> .....	232,200	616	36,154	200,119	22,436	152,980
April - June .....	220,205	947	36,753	190,542	24,503	157,188
July - September .....	225,939	800	31,931	215,636	24,023	146,854
October - December .....	226,614	1,087	30,838	203,293	22,039	148,499
<b>Total</b> .....	<b>904,958</b>	<b>3,450</b>		<b>809,591</b>	<b>93,001</b>	
<b>1993 January - March</b> .....	220,824	1,101	34,884	207,895	17,118	138,453
April - June .....	212,055	991	31,595	194,882	18,095	140,470
July - September .....	206,050	1,944	24,660	226,680	16,803	110,594
October - December .....	218,747	2,595	22,937	210,546	15,586	109,278
<b>Total</b> .....	<b>857,675</b>	<b>6,631</b>		<b>840,003</b>	<b>67,603</b>	
<b>1994 January - March</b> .....	231,471	1,678	30,971	215,544	13,496	101,857
April - June .....	233,114	1,430	32,439	202,434	16,275	114,935
July - September .....	236,642	2,090	29,896	223,004	17,875	109,974
October - December .....	236,353	1,681	30,136	202,883	17,089	123,504
<b>Total</b> .....	<b>937,580</b>	<b>6,880</b>		<b>843,865</b>	<b>64,735</b>	
<b>1995 January - March</b> .....	241,533	1,629	38,519	206,479	17,226	130,638
April - June .....	225,538	1,460	38,196	197,257	21,032	137,581
July - September .....	233,234	1,565	32,833	235,281	20,116	119,512
October - December .....	233,856	1,879	31,247	214,316	21,955	122,142
<b>Total</b> .....	<b>934,162</b>	<b>6,533</b>		<b>853,333</b>	<b>80,329</b>	
<b>1996 January - March</b> .....	234,104	1,554	33,430	220,462	18,611	112,939
<b>Total</b> .....	<b>234,104</b>	<b>1,554</b>		<b>220,462</b>	<b>18,611</b>	

<sup>1</sup> Reported as of the last day of the quarter.

Notes: Consumption data for 1989 through 1996 exclude coal consumed by independent power producers to generate electricity and cogeneration plants not included in the other industrial, coke, and commercial sectors. In 1989, 1990, 1991, 1992, 1993, 1994, 1995 and 1996 these excluded EIA quarterly estimated consumption data are: 199, 363, 1361, 2268, 2800, 3434, 4082, and 4536 thousand metric tons, respectively. Total may not equal sum of components because of independent rounding.

Sources: • Production: Energy Information Administration (EIA), Form EIA-6, Schedule Q, "Quarterly Coal Report" and Form EIA-7A, "Coal Production Report"; Mine Safety and Health Administration, U.S. Department of Labor, Form 7000-2, "Quarterly Mine Employment and Coal Production Report"; and State mining agency coal production reports; • Imports: Bureau of the Census, U.S. Department of Commerce, "Monthly Report IM 145"; • Producer and Distributor Stocks: EIA, Form EIA-6, Schedule Q, "Quarterly Coal Report"; and, Form EIA-6, "Coal Distribution Report"; • Exports: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 545"; • Consumption and Consumer Stocks: EIA, Form EIA-759, "Monthly Power Plant Report"; Form EIA-3, "Quarterly Coal Consumption Report - Manufacturing Plants"; Form EIA-867, "Annual Nonutility Power Producer Report"; Form EIA-7A, "Coal Production Report"; Form EIA-5, "Coke Plant Report - Quarterly"; and Form EIA-6, "Coal Distribution Report."

**Table B2. U.S. Coal Consumption by End-Use Sector, 1988-1996**  
(Thousand Metric Tons)

Year and Quarter	Electric Utilities	Coke Plants	Other Industrial	Residential and Commercial	Total
<b>1988 January - March</b> .....	170,559	9,396	18,521	1,818	200,295
April - June .....	159,671	9,558	16,135	1,276	186,640
July - September .....	189,186	9,510	16,259	1,565	216,520
October - December .....	168,568	9,537	18,259	1,809	198,173
<b>Total</b> .....	<b>687,983</b>	<b>38,000</b>	<b>69,175</b>	<b>6,468</b>	<b>801,627</b>
<b>1989 January - March</b> .....	173,776	9,261	18,039	1,667	202,743
April - June .....	161,757	9,403	16,521	1,037	188,717
July - September .....	184,271	9,079	15,994	1,146	210,490
October - December .....	175,906	9,006	18,514	1,745	205,171
<b>Total</b> .....	<b>695,710</b>	<b>36,749</b>	<b>69,068</b>	<b>5,595</b>	<b>807,121</b>
<b>1990 January - March</b> .....	168,227	9,112	17,792	1,741	196,872
April - June .....	165,595	8,886	16,392	1,148	192,020
July - September .....	192,013	8,596	16,551	1,309	218,469
October - December .....	175,917	8,675	18,511	1,902	205,004
<b>Total</b> .....	<b>701,752</b>	<b>35,269</b>	<b>69,246</b>	<b>6,100</b>	<b>812,366</b>
<b>1991 January - March</b> .....	171,722	7,521	17,797	1,822	198,863
April - June .....	165,550	7,326	15,549	957	189,381
July - September .....	188,815	7,962	16,376	1,027	214,180
October - December .....	174,502	7,902	18,685	1,723	202,812
<b>Total</b> .....	<b>700,590</b>	<b>30,712</b>	<b>68,406</b>	<b>5,529</b>	<b>805,236</b>
<b>1992 January - March</b> .....	173,410	7,566	17,472	1,672	200,119
April - June .....	166,474	7,345	15,680	1,042	190,542
July - September .....	190,889	7,439	16,187	1,121	215,636
October - December .....	176,704	7,012	17,831	1,746	203,293
<b>Total</b> .....	<b>707,477</b>	<b>29,362</b>	<b>67,170</b>	<b>5,582</b>	<b>809,591</b>
<b>1993 January - March</b> .....	181,695	7,060	17,492	1,648	207,895
April - June .....	170,321	7,154	16,179	1,229	194,882
July - September .....	202,431	7,222	16,034	993	226,680
October - December .....	183,556	6,980	18,236	1,774	210,546
<b>Total</b> .....	<b>738,002</b>	<b>28,416</b>	<b>67,941</b>	<b>5,644</b>	<b>840,003</b>
<b>1994 January - March</b> .....	188,617	7,034	18,063	1,829	215,544
April - June .....	178,039	7,225	16,093	1,077	202,434
July - September .....	198,325	7,208	16,441	1,030	223,004
October - December .....	176,433	7,327	17,604	1,519	202,883
<b>Total</b> .....	<b>741,415</b>	<b>28,794</b>	<b>68,201</b>	<b>5,455</b>	<b>843,865</b>
<b>1995 January - March</b> .....	180,332	7,384	17,276	1,486	206,479
April - June .....	173,369	7,522	15,430	936	197,257
July - September .....	210,497	7,557	16,264	964	235,281
October - December .....	187,865	7,485	17,070	1,897	214,316
<b>Total</b> .....	<b>752,063</b>	<b>29,947</b>	<b>66,040</b>	<b>5,283</b>	<b>853,333</b>
<b>1996 January - March</b> .....	194,835	7,233	16,809	1,585	220,462
<b>Total</b> .....	<b>194,835</b>	<b>7,233</b>	<b>16,809</b>	<b>1,585</b>	<b>220,462</b>

Notes: Consumption data for 1996 exclude an EIA estimated 3.6 million metric tons per quarter which are consumed by independent power producers to generate electricity and cogeneration plants not included in the other industrial, coke, and commercial sectors. In 1989, 1990, 1991, 1992, 1993, 1994, and 1995 these excluded quarterly estimated consumption data were: 199, 363, 1361, 2268, 2800, 3434, and 4082 thousand metric tons, respectively. Total may not equal sum of components because of independent rounding.

Sources: Energy Information Administration (EIA) • Electric Utilities: Form EIA-759, "Monthly Power Plant Report" • Coke Plants: Form EIA-5, "Coke Plant Report - Quarterly" • Other Industrial: Form EIA-3, "Quarterly Coal Consumption Report - Manufacturing Plants"; Form EIA-867, "Annual Non-utility Power Producer Report"; and EIA-7A, "Coal Production Report" • Residential and Commercial: Form EIA-6, "Coal Distribution Report."

**Table B3. U.S. Coal Stocks, 1988-1996**  
(Thousand Metric Tons)

Last Day of Quarter	Coal Consumers <sup>1</sup>				Coal Producers and Distributors	Total
	Electric Utilities	Coke Plants	Other Industrial <sup>2</sup>	Total		
<b>1988 March 31</b> .....	147,511	3,681	7,819	159,011	33,352	192,363
June 30 .....	146,251	3,413	7,557	157,222	32,730	189,952
September 30 .....	129,573	2,610	7,824	140,006	28,449	168,456
December 31 .....	132,909	2,846	7,955	143,710	27,594	171,305
<b>1989 March 31</b> .....	126,132	3,191	6,063	135,386	32,212	167,598
June 30 .....	135,153	3,049	6,052	144,254	27,758	172,013
September 30 .....	123,051	3,363	7,092	133,506	26,171	159,677
December 31 .....	123,250	2,598	6,680	132,528	26,308	158,836
<b>1990 March 31</b> .....	136,185	3,339	6,336	145,859	31,841	177,700
June 30 .....	146,881	3,392	6,725	156,998	33,471	190,469
September 30 .....	135,999	2,834	7,804	146,637	30,535	177,172
December 31 .....	141,671	3,020	7,907	152,598	30,317	182,915
<b>1991 March 31</b> .....	146,133	2,839	6,596	155,568	38,249	193,818
June 30 .....	148,288	2,978	6,278	157,544	37,243	194,787
September 30 .....	139,622	2,445	6,584	148,651	30,507	179,158
December 31 .....	143,223	2,516	6,406	152,145	29,911	182,056
<b>1992 March 31</b> .....	145,178	2,608	5,194	152,980	36,154	189,135
June 30 .....	148,938	2,519	5,731	157,188	36,753	193,941
September 30 .....	138,513	2,009	6,331	146,854	31,931	178,785
December 31 .....	139,824	2,356	6,318	148,499	30,838	179,337
<b>1993 March 31</b> .....	130,614	2,549	5,290	138,453	34,884	173,338
June 30 .....	132,225	2,739	5,507	140,470	31,595	172,065
September 30 .....	102,360	2,300	5,933	110,594	24,660	135,254
December 31 .....	101,007	2,179	6,093	109,278	22,937	132,215
<b>1994 March 31</b> .....	95,423	2,025	4,408	101,857	30,971	132,827
June 30 .....	107,403	2,503	5,029	114,935	32,439	147,373
September 30 .....	101,889	2,455	5,630	109,974	29,896	139,870
December 31 .....	115,119	2,410	5,974	123,504	30,136	153,639
<b>1995 March 31</b> .....	123,176	2,467	4,995	130,638	38,519	169,157
June 30 .....	130,076	2,381	5,124	137,581	38,196	175,777
September 30 .....	111,790	2,246	5,476	119,512	32,833	152,345
December 31 .....	114,582	2,388	5,173	122,142	31,247	153,390
<b>1996 March 31</b> .....	106,574	2,344	4,021	112,939	33,430	146,369

<sup>1</sup> The Residential and Commercial sector are not included. See Technical Note 6 in Appendix C.

<sup>2</sup> Manufacturing plants only.

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

Sources: Energy Information Administration (EIA) • Electric Utilities: Form EIA-759, "Monthly Power Plant Report" • Coke Plants: Form EIA-5, "Coke Plant Report - Quarterly" • Other Industrial: Form EIA-3, "Quarterly Coal Consumption Report - Manufacturing Plants" • Producer and Distributor: Form EIA-6, Schedule Q, "Quarterly Coal Report" and, Form EIA-6, "Coal Distribution Report."



**Table B4. U.S. Coal Exports and Imports, 1988-1996**  
(Thousand Metric Tons, Dollars per Metric Ton)

Year	1988	1989	1990	1991	1992	1993	1994	1995	1996
<b>January - March</b>									
<b>Exports</b>									
Quantity .....	14,570	19,440	20,305	20,247	22,436	17,118	13,496	17,226	18,611
Price .....	\$46.35	\$46.59	\$47.65	\$49.14	\$46.61	\$46.80	\$46.18	\$43.98	\$46.04
<b>Imports</b>									
Quantity .....	492	482	666	851	616	1,101	1,678	1,629	1,554
Price .....	\$31.90	\$37.09	\$38.66	\$37.16	\$37.07	\$33.84	\$31.81	\$35.64	\$36.95
<b>April - June</b>									
<b>Exports</b>									
Quantity .....	22,589	25,805	25,159	23,781	24,503	18,095	16,275	21,032	-
Price .....	\$46.98	\$46.82	\$46.86	\$47.37	\$45.57	\$45.66	\$44.10	\$43.64	-
<b>Imports</b>									
Quantity .....	533	623	612	662	947	991	1,430	1,460	-
Price .....	\$37.19	\$37.69	\$37.11	\$38.14	\$36.33	\$35.56	\$31.67	\$39.86	-
<b>July - September</b>									
<b>Exports</b>									
Quantity .....	25,121	21,764	26,759	28,302	24,023	16,803	17,875	20,116	-
Price .....	\$46.12	\$46.97	\$46.54	\$45.76	\$44.86	\$44.89	\$42.84	\$45.18	-
<b>Imports</b>									
Quantity .....	397	839	466	893	800	1,944	2,090	1,565	-
Price .....	\$29.51	\$38.49	\$35.33	\$34.67	\$37.95	\$32.54	\$34.08	\$37.05	-
<b>October - December</b>									
<b>Exports</b>									
Quantity .....	23,923	24,448	23,760	26,526	22,039	15,586	17,089	21,955	-
Price .....	\$46.72	\$47.06	\$47.05	\$45.36	\$45.27	\$45.19	\$43.46	\$44.70	-
<b>Imports</b>									
Quantity .....	514	642	704	669	1,087	2,595	1,681	1,879	-
Price .....	\$32.49	\$36.86	\$39.84	\$36.55	\$36.46	\$31.87	\$35.20	\$38.07	-
<b>Total</b>									
<b>Exports</b>									
Quantity .....	86,203	91,458	95,984	98,855	93,001	67,603	64,735	80,329	18,611
Price .....	\$46.55	\$46.87	\$46.99	\$46.73	\$45.57	\$45.65	\$44.02	\$44.39	-
<b>Imports</b>									
Quantity .....	1,936	2,587	2,449	3,075	3,450	6,631	6,880	6,533	1,554
Price .....	\$33.03	\$37.63	\$37.97	\$36.51	\$36.88	\$32.95	\$33.30	\$37.62	-

Notes: Exports: Price is based on the free alongside ship (f.a.s.) value. Imports: Price is based on the customs import value. Total may not equal sum of components because of independent rounding.

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

**Table B5. U.S. Coal Exports**  
(Metric Tons)

Continent and Country of Destination	January - March 1996	October - December 1995	January - March 1995	Year to date		
				1996	1995	Percent Change
<b>North America Total</b> .....	<b>668,105</b>	<b>2,699,461</b>	<b>367,449</b>	<b>668,105</b>	<b>367,449</b>	<b>81.8</b>
Canada <sup>1</sup> .....	462,815	2,211,526	285,126	462,815	285,126	62.3
Jamaica.....	8,816	33	10,452	8,816	10,452	-15.7
Mexico.....	196,248	485,158	69,724	196,248	69,724	181.5
Other <sup>2</sup> .....	226	2,744	2,147	226	2,147	-89.5
<b>South America Total</b> .....	<b>1,426,243</b>	<b>1,771,581</b>	<b>1,214,829</b>	<b>1,426,243</b>	<b>1,214,829</b>	<b>17.4</b>
Argentina.....	36,716	125,353	63,667	36,716	63,667	-42.3
Brazil.....	1,244,036	1,499,520	1,142,915	1,244,036	1,142,915	8.8
Chile.....	136,625	137,046	-	136,625	-	-
Other <sup>2</sup> .....	8,866	9,662	8,247	8,866	8,247	7.5
<b>Europe Total</b> .....	<b>11,294,752</b>	<b>12,411,030</b>	<b>10,584,392</b>	<b>11,294,752</b>	<b>10,584,392</b>	<b>6.7</b>
Belgium & Luxembourg.....	1,299,015	1,286,021	1,223,072	1,299,015	1,223,072	6.2
Bulgaria.....	333,791	398,276	305,088	333,791	305,088	9.4
Denmark.....	391,149	199,696	400,587	391,149	400,587	-2.4
Finland.....	46,552	628,007	59,826	46,552	59,826	-22.2
France.....	941,668	1,144,557	750,412	941,668	750,412	25.5
Germany, FR.....	325,674	759,084	315,297	325,674	315,297	3.3
Ireland.....	223,762	339,937	227,079	223,762	227,079	-1.5
Italy.....	2,542,104	1,913,204	1,964,466	2,542,104	1,964,466	29.4
Netherlands.....	1,870,900	1,779,032	2,031,298	1,870,900	2,031,298	-7.9
Norway.....	13,270	36,964	26,670	13,270	26,670	-50.2
Portugal.....	230,910	464,593	337,674	230,910	337,674	-31.6
Romania.....	268,252	332,515	586,807	268,252	586,807	-54.3
Spain.....	825,760	776,329	1,019,402	825,760	1,019,402	-19.0
Sweden.....	142,873	344,167	190,894	142,873	190,894	-25.2
Turkey.....	447,771	595,222	421,866	447,771	421,866	6.1
United Kingdom.....	1,370,923	1,334,489	716,542	1,370,923	716,542	91.3
Yugoslavia, FR.....	-	59,315	-	-	-	-
Other <sup>2</sup> .....	20,378	19,622	7,412	20,378	7,412	174.9
<b>Asia Total</b> .....	<b>4,155,745</b>	<b>3,988,219</b>	<b>4,602,932</b>	<b>4,155,745</b>	<b>4,602,932</b>	<b>-9.7</b>
China (Taiwan).....	535,446	477,290	800,812	535,446	800,812	-33.1
Israel.....	224,226	225,061	224,009	224,226	224,009	.1
Japan.....	2,487,042	2,277,669	2,837,396	2,487,042	2,837,396	-12.3
Korea, Republic of.....	893,485	1,007,880	740,666	893,485	740,666	20.6
Other <sup>2</sup> .....	15,546	319	49	15,546	49	(3)
<b>Oceania &amp; Australia Total</b> .....	<b>-</b>	<b>17</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Africa Total</b> .....	<b>1,066,619</b>	<b>1,084,655</b>	<b>455,940</b>	<b>1,066,619</b>	<b>455,940</b>	<b>133.9</b>
Algeria.....	54,351	49,866	49,961	54,351	49,961	8.8
Egypt.....	262,856	385,667	222,897	262,856	222,897	17.9
Morocco.....	476,458	415,134	-	476,458	-	-
South Africa, Rep of.....	272,954	233,988	183,082	272,954	183,082	49.1
<b>Total</b> .....	<b>18,611,464</b>	<b>21,954,963</b>	<b>17,225,542</b>	<b>18,611,464</b>	<b>17,225,542</b>	<b>8.0</b>

<sup>1</sup> 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.

<sup>2</sup> Includes countries with exports less than or equal to 50,000 short tons (45,359 metric tons) in 1995.

<sup>3</sup> Changes of 500 percent or more are not shown.

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

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

**Table B6. Average Price of U.S. Coal Exports**  
(Dollars per Metric Ton)

Continent and Country of Destination	January - March 1996	October - December 1995	January - March 1995	Year to date		
				1996	1995	Percent Change
<b>North America Total</b> .....	<b>\$41.75</b>	<b>\$37.56</b>	<b>\$41.79</b>	<b>\$41.75</b>	<b>\$41.79</b>	<b>-0.1</b>
Canada <sup>1</sup> .....	39.12	36.51	40.03	39.12	40.03	-2.3
Jamaica.....	38.99	-	37.26	38.99	37.26	4.7
Mexico.....	47.97	42.01	49.67	47.97	49.67	-3.4
Other <sup>2</sup> .....	-	51.02	38.43	-	38.43	-
<b>South America Total</b> .....	<b>47.91</b>	<b>48.10</b>	<b>46.77</b>	<b>47.91</b>	<b>46.77</b>	<b>2.4</b>
Argentina.....	47.46	46.64	44.84	47.46	44.84	5.8
Brazil.....	49.18	49.55	46.89	49.18	46.89	4.9
Chile.....	34.26	34.25	-	34.26	-	-
Other <sup>2</sup> .....	35.60	39.45	42.52	35.60	42.52	-16.3
<b>Europe Total</b> .....	<b>46.07</b>	<b>44.98</b>	<b>44.34</b>	<b>46.07</b>	<b>44.34</b>	<b>3.9</b>
Belgium & Luxembourg.....	51.33	47.35	47.12	51.33	47.12	8.9
Bulgaria.....	46.20	49.15	46.85	46.20	46.85	-1.4
Denmark.....	33.34	32.11	32.47	33.34	32.47	2.7
Finland.....	49.85	42.07	49.15	49.85	49.15	1.4
France.....	46.78	46.21	49.55	46.78	49.55	-5.6
Germany, FR.....	40.39	37.83	37.87	40.39	37.87	6.6
Ireland.....	40.91	39.96	38.58	40.91	38.58	6.0
Italy.....	48.91	49.93	46.42	48.91	46.42	5.4
Netherlands.....	45.60	45.61	44.29	45.60	44.29	2.9
Norway.....	63.81	62.72	62.03	63.81	62.03	2.9
Portugal.....	39.75	38.70	39.83	39.75	39.83	-2
Romania.....	50.29	44.98	46.32	50.29	46.32	8.6
Spain.....	42.64	40.85	36.00	42.64	36.00	18.5
Sweden.....	53.08	55.36	48.43	53.08	48.43	9.6
Turkey.....	49.12	46.25	45.11	49.12	45.11	8.9
United Kingdom.....	41.87	42.51	48.93	41.87	48.93	-14.4
Yugoslavia, FR.....	-	41.95	-	-	-	-
Other <sup>2</sup> .....	62.72	61.16	61.85	62.72	61.85	1.4
<b>Asia Total</b> .....	<b>44.80</b>	<b>43.99</b>	<b>41.37</b>	<b>44.80</b>	<b>41.37</b>	<b>8.3</b>
China (Taiwan).....	41.63	42.06	41.57	41.63	41.57	.1
Israel.....	38.45	39.10	36.77	38.45	36.77	4.6
Japan.....	44.67	44.07	40.65	44.67	40.65	9.9
Korea, Republic of.....	48.68	45.82	45.30	48.68	45.30	7.5
Other <sup>2</sup> .....	38.58	37.99	-	38.58	-	-
<b>Africa Total</b> .....	<b>48.36</b>	<b>47.11</b>	<b>50.59</b>	<b>48.36</b>	<b>50.59</b>	<b>-4.4</b>
Algeria.....	55.93	54.79	50.06	55.93	50.06	11.7
Egypt.....	59.41	53.86	50.93	59.41	50.93	16.6
Morocco.....	37.87	35.92	-	37.87	-	-
South Africa, Rep of.....	54.54	54.18	50.32	54.54	50.32	8.4
<b>Total</b> <sup>3</sup> .....	<b>45.92</b>	<b>44.27</b>	<b>43.83</b>	<b>45.92</b>	<b>43.83</b>	<b>4.8</b>
<b>U.S. Total</b> <sup>4</sup> .....	<b>46.04</b>	<b>44.70</b>	<b>43.98</b>	<b>46.04</b>	<b>43.98</b>	<b>4.7</b>

<sup>1</sup> 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.

<sup>2</sup> Includes countries with exports less than or equal to 50,000 short tons (45,359 metric tons) in 1995.

<sup>3</sup> The average price presented in this table, with the exception of U.S. Total, are considered to be representative prices for coal exports and fall within the range of \$20 to \$60 per short ton (\$18.14 to \$54.43 per metric ton) inclusively.

<sup>4</sup> U.S. Total is the average price of all coal exports.

Notes: Total may not equal sum of components because of independent rounding. Average price is based on the free alongside ship (f.a.s.) value.

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

**Table B7. U.S. Steam Coal Exports**  
(Metric Tons)

Continent and Country of Destination	January - March 1996	October - December 1995	January - March 1995	Year to date		
				1996	1995	Percent Change
<b>North America Total</b> .....	<b>318,767</b>	<b>1,434,755</b>	<b>63,438</b>	<b>318,767</b>	<b>63,438</b>	<b>402.5</b>
Canada <sup>1</sup> .....	225,123	1,043,847	46,480	225,123	46,480	384.3
Jamaica.....	8,816	33	10,452	8,816	10,452	-15.7
Mexico.....	84,602	388,131	4,359	84,602	4,359	( <sup>2</sup> )
Other <sup>3</sup> .....	226	2,744	2,147	226	2,147	-89.5
<b>South America Total</b> .....	<b>88,018</b>	<b>61,649</b>	<b>13,215</b>	<b>88,018</b>	<b>13,215</b>	<b>(<sup>2</sup>)</b>
Argentina.....	318	1,613	1,968	318	1,968	-83.8
Brazil.....	12,830	9,819	3,000	12,830	3,000	327.7
Chile.....	66,183	40,555	-	66,183	-	-
Other <sup>3</sup> .....	8,687	9,662	8,247	8,687	8,247	5.3
<b>Europe Total</b> .....	<b>4,690,465</b>	<b>6,125,177</b>	<b>4,500,947</b>	<b>4,690,465</b>	<b>4,500,947</b>	<b>4.2</b>
Belgium & Luxembourg.....	219,549	350,518	278,780	219,549	278,780	-21.2
Denmark.....	391,149	199,696	400,587	391,149	400,587	-2.4
Finland.....	-	410,927	-	-	-	-
France.....	304,982	372,921	59	304,982	59	( <sup>2</sup> )
Germany, FR.....	250,389	653,490	265,791	250,389	265,791	-5.8
Ireland.....	223,762	339,937	227,079	223,762	227,079	-1.5
Italy.....	1,096,821	1,007,465	1,081,558	1,096,821	1,081,558	1.4
Netherlands.....	784,139	942,129	1,029,036	784,139	1,029,036	-23.8
Norway.....	-	22,063	3,345	-	3,345	-
Portugal.....	230,910	437,139	337,674	230,910	337,674	-31.6
Romania.....	-	-	271,302	-	271,302	-
Spain.....	335,254	355,903	545,078	335,254	545,078	-38.5
Turkey.....	110,982	186,191	417	110,982	417	( <sup>2</sup> )
United Kingdom.....	742,528	787,293	60,241	742,528	60,241	( <sup>2</sup> )
Yugoslavia, FR.....	-	59,315	-	-	-	-
Other <sup>3</sup> .....	-	190	-	-	-	-
<b>Asia Total</b> .....	<b>1,833,979</b>	<b>1,849,534</b>	<b>2,021,549</b>	<b>1,833,979</b>	<b>2,021,549</b>	<b>-9.3</b>
China (Taiwan).....	411,949	357,670	684,156	411,949	684,156	-39.8
Israel.....	224,226	225,061	224,009	224,226	224,009	.1
Japan.....	981,552	819,657	958,319	981,552	958,319	2.4
Korea, Republic of.....	211,568	446,827	155,016	211,568	155,016	36.5
Other <sup>3</sup> .....	4,684	319	49	4,684	49	( <sup>2</sup> )
<b>Oceania &amp; Australia Total</b> .....	<b>-</b>	<b>17</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Africa Total</b> .....	<b>477,283</b>	<b>415,408</b>	<b>-</b>	<b>477,283</b>	<b>-</b>	<b>-</b>
Egypt.....	825	274	-	825	-	-
Morocco.....	476,458	415,134	-	476,458	-	-
<b>Total</b> .....	<b>7,408,512</b>	<b>9,886,540</b>	<b>6,599,149</b>	<b>7,408,512</b>	<b>6,599,149</b>	<b>12.3</b>

<sup>1</sup> 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.

<sup>2</sup> Changes of 500 percent or more are not shown.

<sup>3</sup> Includes countries with exports less than or equal to 50,000 short tons (45,359 metric tons) in 1995.

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

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

**Table B8. Average Price of U.S. Steam Coal Exports**  
(Dollars per Metric Ton)

Continent and Country of Destination	January - March 1996	October - December 1995	January - March 1995	Year to date		
				1996	1995	Percent Change
<b>North America Total</b> .....	<b>\$39.42</b>	<b>\$34.83</b>	<b>\$44.98</b>	<b>\$39.42</b>	<b>\$44.98</b>	<b>-12.4</b>
Canada <sup>1</sup> .....	37.67	33.04	46.54	37.67	46.54	-19.1
Jamaica.....	38.99	-	37.26	38.99	37.26	4.7
Mexico.....	44.07	38.99	52.93	44.07	52.93	-16.7
Other <sup>2</sup> .....	-	51.02	38.43	-	38.43	-
<b>South America Total</b> .....	<b>37.96</b>	<b>37.27</b>	<b>40.52</b>	<b>37.96</b>	<b>40.52</b>	<b>-6.3</b>
Argentina.....	-	44.35	37.96	-	37.96	-
Brazil.....	45.33	38.00	-	45.33	-	-
Chile.....	36.01	36.35	-	36.01	-	-
Other <sup>2</sup> .....	35.18	39.45	42.52	35.18	42.52	-17.3
<b>Europe Total</b> .....	<b>37.69</b>	<b>37.99</b>	<b>37.77</b>	<b>37.69</b>	<b>37.77</b>	<b>-2</b>
Belgium & Luxembourg.....	40.98	37.12	39.68	40.98	39.68	3.3
Denmark.....	33.34	32.11	32.47	33.34	32.47	2.7
Finland.....	-	39.19	-	-	-	-
France.....	38.91	38.62	-	38.91	-	-
Germany, FR.....	36.61	35.26	35.75	36.61	35.75	2.4
Ireland.....	40.91	39.96	38.58	40.91	38.58	6.0
Italy.....	45.38	47.22	43.53	45.38	43.53	4.2
Netherlands.....	36.50	39.26	39.09	36.50	39.09	-6.6
Portugal.....	39.75	37.92	39.83	39.75	39.83	-2
Romania.....	-	-	43.08	-	43.08	-
Spain.....	23.68	22.97	22.80	23.68	22.80	3.9
Turkey.....	46.35	34.09	43.95	46.35	43.95	5.5
United Kingdom.....	32.21	34.04	44.20	32.21	44.20	-27.1
Yugoslavia, FR.....	-	41.95	-	-	-	-
Other <sup>2</sup> .....	-	44.76	-	-	-	-
<b>Asia Total</b> .....	<b>39.25</b>	<b>39.04</b>	<b>37.84</b>	<b>39.25</b>	<b>37.84</b>	<b>3.7</b>
China (Taiwan).....	38.92	39.05	40.67	38.92	40.67	-4.3
Israel.....	38.45	39.10	36.77	38.45	36.77	4.6
Japan.....	39.68	39.53	37.04	39.68	37.04	7.1
Korea, Republic of.....	38.74	38.12	31.81	38.74	31.81	21.8
Other <sup>2</sup> .....	38.58	37.99	-	38.58	-	-
<b>Africa Total</b> .....	<b>37.88</b>	<b>35.92</b>	<b>-</b>	<b>37.88</b>	<b>-</b>	<b>-</b>
Egypt.....	44.97	45.05	-	44.97	-	-
Morocco.....	37.87	35.92	-	37.87	-	-
<b>Total<sup>3</sup></b> .....	<b>38.16</b>	<b>37.67</b>	<b>37.85</b>	<b>38.16</b>	<b>37.85</b>	<b>.8</b>
<b>U.S. Total<sup>4</sup></b> .....	<b>38.52</b>	<b>38.65</b>	<b>38.20</b>	<b>38.52</b>	<b>38.20</b>	<b>.8</b>

<sup>1</sup> 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.

<sup>2</sup> Includes countries with exports less than or equal to 50,000 short tons (45,359 metric tons) in 1995.

<sup>3</sup> The average price presented in this table, with the exception of U.S. Total, are considered to be representative prices for coal exports and fall within the range of \$20 to \$60 per short ton (\$18.14 to \$54.43 per metric ton) inclusively.

<sup>4</sup> U.S. Total is the average price of all coal exports.

Notes: Total may not equal sum of components because of independent rounding. Average price is based on the free alongside ship (f.a.s.) value. Steam coal includes bituminous, subbituminous, lignite, and anthracite.

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

**Table B9. U.S. Metallurgical Coal Exports**  
(Metric Tons)

Continent and Country of Destination	January - March 1996	October - December 1995	January - March 1995	Year to date		
				1996	1995	Percent Change
<b>North America Total</b> .....	<b>349,338</b>	<b>1,264,706</b>	<b>304,011</b>	<b>349,338</b>	<b>304,011</b>	<b>14.9</b>
Canada <sup>1</sup> .....	237,692	1,167,679	238,646	237,692	238,646	-4
Mexico.....	111,646	97,027	65,365	111,646	65,365	70.8
<b>South America Total</b> .....	<b>1,338,225</b>	<b>1,709,932</b>	<b>1,201,614</b>	<b>1,338,225</b>	<b>1,201,614</b>	<b>11.4</b>
Argentina.....	36,398	123,740	61,699	36,398	61,699	-41.0
Brazil.....	1,231,206	1,489,701	1,139,915	1,231,206	1,139,915	8.0
Chile.....	70,442	96,491	-	70,442	-	-
Other <sup>2</sup> .....	179	-	-	179	-	-
<b>Europe Total</b> .....	<b>6,604,287</b>	<b>6,285,853</b>	<b>6,083,445</b>	<b>6,604,287</b>	<b>6,083,445</b>	<b>8.6</b>
Belgium & Luxembourg.....	1,079,466	935,503	944,292	1,079,466	944,292	14.3
Bulgaria.....	333,791	398,276	305,088	333,791	305,088	9.4
Finland.....	46,552	217,080	59,826	46,552	59,826	-22.2
France.....	636,686	771,636	750,353	636,686	750,353	-15.1
Germany, FR.....	75,285	105,594	49,506	75,285	49,506	52.1
Italy.....	1,445,283	905,739	882,908	1,445,283	882,908	63.7
Netherlands.....	1,086,761	836,903	1,002,262	1,086,761	1,002,262	8.4
Norway.....	13,270	14,901	23,325	13,270	23,325	-43.1
Portugal.....	-	27,454	-	-	-	-
Romania.....	268,252	332,515	315,505	268,252	315,505	-15.0
Spain.....	490,506	420,426	474,324	490,506	474,324	3.4
Sweden.....	142,873	344,167	190,894	142,873	190,894	-25.2
Turkey.....	336,789	409,031	421,449	336,789	421,449	-20.1
United Kingdom.....	628,395	547,196	656,301	628,395	656,301	-4.3
Other <sup>2</sup> .....	20,378	19,432	7,412	20,378	7,412	174.9
<b>Asia Total</b> .....	<b>2,321,766</b>	<b>2,138,685</b>	<b>2,581,383</b>	<b>2,321,766</b>	<b>2,581,383</b>	<b>-10.1</b>
China (Taiwan).....	123,497	119,620	116,656	123,497	116,656	5.9
Japan.....	1,505,490	1,458,012	1,879,077	1,505,490	1,879,077	-19.9
Korea, Republic of.....	681,917	561,053	585,650	681,917	585,650	16.4
Other <sup>2</sup> .....	10,862	-	-	10,862	-	-
<b>Africa Total</b> .....	<b>589,336</b>	<b>669,247</b>	<b>455,940</b>	<b>589,336</b>	<b>455,940</b>	<b>29.3</b>
Algeria.....	54,351	49,866	49,961	54,351	49,961	8.8
Egypt.....	262,031	385,393	222,897	262,031	222,897	17.6
South Africa, Rep of.....	272,954	233,988	183,082	272,954	183,082	49.1
<b>Total</b> .....	<b>11,202,952</b>	<b>12,068,423</b>	<b>10,626,393</b>	<b>11,202,952</b>	<b>10,626,393</b>	<b>5.4</b>

<sup>1</sup> 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.

<sup>2</sup> Includes countries with exports less than or equal to 50,000 short tons (45,359 metric tons) in 1995.

Notes: Total may not equal sum of components because of independent rounding. Average price is based on the free alongside ship (f.a.s.) value. Steam coal includes bituminous, subbituminous, lignite, and anthracite.

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

**Table B10. Average Price of U.S. Metallurgical Coal Exports**  
(Dollars per Metric Ton)

Continent and Country of Destination	January - March 1996	October - December 1995	January - March 1995	Year to date		
				1996	1995	Percent Change
<b>North America Total</b> .....	<b>\$43.38</b>	<b>\$40.40</b>	<b>\$41.22</b>	<b>\$43.38</b>	<b>\$41.22</b>	<b>5.3</b>
Canada <sup>1</sup> .....	40.16	39.27	38.95	40.16	38.95	3.1
Mexico.....	50.24	54.10	49.50	50.24	49.50	1.5
<b>South America Total</b> .....	<b>48.34</b>	<b>48.48</b>	<b>46.79</b>	<b>48.34</b>	<b>46.79</b>	<b>3.3</b>
Argentina.....	47.46	46.67	45.06	47.46	45.06	5.3
Brazil.....	49.22	49.61	46.89	49.22	46.89	5.0
Chile.....	33.36	33.36	-	33.36	-	-
Other <sup>2</sup> .....	55.87	-	-	55.87	-	-
<b>Europe Total</b> .....	<b>52.03</b>	<b>51.68</b>	<b>49.20</b>	<b>52.03</b>	<b>49.20</b>	<b>5.7</b>
Belgium & Luxembourg.....	53.44	51.18	49.32	53.44	49.32	8.3
Bulgaria.....	46.20	49.15	46.85	46.20	46.85	-1.4
Finland.....	49.85	47.52	49.15	49.85	49.15	1.4
France.....	50.54	49.87	49.55	50.54	49.55	2.0
Germany, FR.....	52.95	53.73	49.25	52.95	49.25	7.5
Italy.....	51.60	52.94	49.96	51.60	49.96	3.3
Netherlands.....	52.16	52.76	49.58	52.16	49.58	5.2
Norway.....	63.81	62.72	62.03	63.81	62.03	2.9
Portugal.....	-	51.20	-	-	-	-
Romania.....	50.29	44.98	49.11	50.29	49.11	2.4
Spain.....	55.60	55.98	51.16	55.60	51.16	8.7
Sweden.....	53.08	55.36	48.43	53.08	48.43	9.6
Turkey.....	50.03	49.03	45.11	50.03	45.11	10.9
United Kingdom.....	53.29	54.70	49.37	53.29	49.37	7.9
Other <sup>2</sup> .....	62.72	61.56	61.85	62.72	61.85	1.4
<b>Asia Total</b> .....	<b>49.20</b>	<b>48.27</b>	<b>44.13</b>	<b>49.20</b>	<b>44.13</b>	<b>11.5</b>
China (Taiwan).....	50.64	51.08	46.81	50.64	46.81	8.2
Japan.....	47.92	46.62	42.49	47.92	42.49	12.8
Korea, Republic of.....	51.76	51.95	48.87	51.76	48.87	5.9
<b>Africa Total</b> .....	<b>56.85</b>	<b>54.05</b>	<b>50.59</b>	<b>56.85</b>	<b>50.59</b>	<b>12.4</b>
Algeria.....	55.93	54.79	50.06	55.93	50.06	11.7
Egypt.....	59.45	53.87	50.93	59.45	50.93	16.7
South Africa, Rep of.....	54.54	54.18	50.32	54.54	50.32	8.4
<b>Total</b> <sup>3</sup> .....	<b>50.99</b>	<b>49.57</b>	<b>47.53</b>	<b>50.99</b>	<b>47.53</b>	<b>7.3</b>
<b>U.S. Total</b> <sup>4</sup> .....	<b>51.02</b>	<b>49.65</b>	<b>47.58</b>	<b>51.02</b>	<b>47.58</b>	<b>7.2</b>

<sup>1</sup> 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.

<sup>2</sup> Includes countries with exports less than or equal to 50,000 short tons in 1995.

<sup>3</sup> The average price presented in this table, with the exception of U.S. Total, are considered to be representative prices for coal exports and fall within the range of \$20 to \$60 per short ton (\$18.14 to \$54.43 per metric ton) inclusively.

<sup>4</sup> U.S. Total is the average price of all coal exports.

Notes: Total may not equal sum of components because of independent rounding. Average price is based on the free alongside ship (f.a.s.) value.

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

**Table B11. U.S. Coal Imports**  
(Metric Tons)

Continent and Country of Origin	January - March 1996	October - December 1995	January - March 1995	Year to date		
				1996	1995	Percent Change
<b>North America Total</b> .....	<b>331,013</b>	<b>328,972</b>	<b>201,536</b>	<b>331,013</b>	<b>201,536</b>	<b>64.2</b>
Canada.....	330,635	328,921	201,410	330,635	201,410	64.2
Mexico.....	378	51	126	378	126	200.0
<b>South America Total</b> .....	<b>928,021</b>	<b>1,230,895</b>	<b>1,157,041</b>	<b>928,021</b>	<b>1,157,041</b>	<b>-19.8</b>
Colombia.....	570,531	722,609	709,791	570,531	709,791	-19.6
Venezuela.....	357,490	508,286	447,250	357,490	447,250	-20.1
<b>Europe Total</b> .....	<b>-</b>	<b>130</b>	<b>214</b>	<b>-</b>	<b>214</b>	<b>-</b>
Denmark.....	-	-	214	-	214	-
United Kingdom.....	-	130	-	-	-	-
<b>Asia Total</b> .....	<b>224,668</b>	<b>277,140</b>	<b>230,212</b>	<b>224,668</b>	<b>230,212</b>	<b>-2.4</b>
Indonesia.....	224,668	277,140	230,188	224,668	230,188	-2.4
Japan.....	-	-	24	-	24	-
<b>Oceania &amp; Australia Total</b> .....	<b>70,617</b>	<b>41,692</b>	<b>39,630</b>	<b>70,617</b>	<b>39,630</b>	<b>78.2</b>
Australia.....	70,617	41,692	39,630	70,617	39,630	78.2
<b>Total</b> .....	<b>1,554,319</b>	<b>1,878,829</b>	<b>1,628,633</b>	<b>1,554,319</b>	<b>1,628,633</b>	<b>-4.6</b>

Notes: Total may not equal sum of components because of independent rounding. Coal imports include coal to Puerto Rico and the Virgin Islands.  
Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report IM 145."

**Table B12. Average Price of U.S. Coal Imports**  
(Dollars per Metric Ton)

Continent and Country of Origin	January - March 1996	October - December 1995	January - March 1995	Year to date		
				1996	1995	Percent Change
<b>North America Total</b> .....	<b>\$35.67</b>	<b>\$39.35</b>	<b>\$36.36</b>	<b>\$35.67</b>	<b>\$36.36</b>	<b>-1.9</b>
Canada.....	35.69	39.35	36.36	35.69	36.36	-1.8
Mexico.....	25.02	-	-	25.02	-	-
<b>South America Total</b> .....	<b>35.44</b>	<b>37.07</b>	<b>34.81</b>	<b>35.44</b>	<b>34.81</b>	<b>1.8</b>
Colombia.....	34.34	35.70	33.81	34.34	33.81	1.6
Venezuela.....	37.19	39.02	36.38	37.19	36.38	2.2
<b>Europe Total</b> .....	<b>-</b>	<b>28.27</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
United Kingdom.....	-	28.27	-	-	-	-
<b>Asia Total</b> .....	<b>43.03</b>	<b>36.71</b>	<b>35.57</b>	<b>43.03</b>	<b>35.57</b>	<b>21.0</b>
Indonesia.....	43.03	36.71	35.57	43.03	35.57	21.0
<b>Oceania &amp; Australia Total</b> .....	<b>37.30</b>	<b>35.47</b>	<b>34.72</b>	<b>37.30</b>	<b>34.72</b>	<b>7.4</b>
Australia.....	37.30	35.47	34.72	37.30	34.72	7.4
<b>Total</b> <sup>1</sup> .....	<b>36.68</b>	<b>37.33</b>	<b>35.09</b>	<b>36.68</b>	<b>35.09</b>	<b>4.5</b>
<b>U.S. Total</b> <sup>2</sup> .....	<b>36.95</b>	<b>38.07</b>	<b>35.63</b>	<b>36.95</b>	<b>35.63</b>	<b>3.7</b>

<sup>1</sup> The average price presented in this table, with the exception of U.S. Total, are considered to be representative prices for coal exports and fall within the range of \$20 to \$55 per short ton (\$18.14 to \$49.90 per metric ton) inclusively.

<sup>2</sup> U.S. Total is the average price of all coal imports.

Notes: Total may not equal sum of components because of independent rounding. Average price is based on the customs import value. Coal imports include coal to Puerto Rico and the Virgin Islands.

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



# **Appendix C**

## **Explanatory Notes**

# Appendix C

## Explanatory Notes

### Data Sources

All data in this report were collected by the Energy Information Administration (EIA), U.S. Department of Energy (DOE), except import and export data, which were collected by the Bureau of the Census (Census Bureau), U.S. Department of Commerce. All of the EIA data were collected by mail from respondents who were required to report; no sampling procedures were used. Followup of nonrespondents was conducted through EIA's standard procedures, which include written and telephone requests.

Copies of the survey forms and instructions used to collect data appearing in this publication can be obtained by calling EIA's National Energy Information Center at (202) 586-8800, e-mail [INFOCTR@EIA.DOE.GOV](mailto:INFOCTR@EIA.DOE.GOV).

### Coal Surveys

EIA began collecting coal data on October 1, 1977. Before then, the Bureau of Mines (BOM), U.S. Department of the Interior, conducted surveys of coal production, distribution, and consumption, and published the data in the *Minerals Yearbook*.

As early as the 1880's, the U.S. Geological Survey began collecting coal data under a voluntary reporting system. The responsibility for gathering this information was transferred to BOM, initially under the U.S. Department of Commerce and later under the U.S. Department of the Interior. Except for a brief period from 1937 to 1943, when bituminous coal data were collected under authority of the Bituminous Coal Act, BOM continued to conduct voluntary coal surveys until DOE was created in October 1977.

EIA conducts three quarterly and three annual coal surveys--of manufacturers consuming coal, of coke plants, and of producers and distributors of coal--and one annual survey of mines producing coal. All data, with a few exceptions that are stated in the Technical Notes, are presented as reported on the surveys with no estimations or other adjustments for missing data. The data are maintained in a computer system and are

edited to ensure that they are reasonable, consistent, and complete.

So that EIA may fulfill its data collection functions as specified in the Federal Energy Administration Act of 1974 (P.L. 93-275), response to these surveys is mandatory.

### **Quarterly Coal Consumption Report - Manufacturing**

Plants (Form EIA-3)

Form EIA-3 is used to survey U.S. manufacturers that consume coal for all uses other than coke production. Data on manufacturers' coal stocks, receipts, prices, and consumption are reported.

Through the end of 1988, all manufacturers that consumed coal were required to file Form EIA-3. Beginning with the first quarter of 1989, only those manufacturers that consumed 1 thousand or more tons in the past year were required to report. At present, 714 manufacturers respond to the EIA-3 survey. The response rate for the current quarter was 100 percent. In order to identify undercoverage problems, the data from this survey are compared with shipments to *manufacturers* reported on EIA's "Coal Distribution Report," Form EIA-6. At present, the coal receipts reported by *manufacturers* on Form EIA-3 cover approximately 99 percent of the coal shipments to *manufacturers* on Form EIA-6. Consequently, the coal consumption data gathered on the Form EIA-3 is not the total consumption at manufacturing plants. See Technical Notes 3 and 5 for data adjustment procedures for coal receipts and consumption, respectively, for the industrial sector.

Current year data from this survey are preliminary and unrevised in the January - March, April - June, July - September, and October - December issues of this publication. Any revisions necessary for the entire year are applied and the data are considered final when published in the report, *Coal Industry Annual*, in the summer of the following year.

The respondent list of manufacturers for Form EIA-3 is compared with lists of coal-consuming manufacturing plants from State Air Quality and Energy Offices. When new respondents are found, they are added to the survey mailing list.

## **Coke Plant Report (Form EIA-5)**

Form EIA-5, a quarterly report of coal receipts, carbonization, and stocks, and of coke and breeze production, distribution, and stocks, is used to survey all U.S. coke plants.

Presently, there are 29 respondents to the EIA-5 survey, and the response rate was 100 percent. The respondent list for this survey is updated by continuous monitoring of the industry literature.

Current year data from this survey are preliminary and unrevised in the January - March, April - June, and July - September, and October - December issues of this publication. Any revisions necessary for the entire year are applied and the data are considered final when published in the report, *Coal Industry Annual*, in the summer of the following year.

## **Quarterly Coal Report (Form EIA-6, Schedule Q)**

Schedule Q of Form EIA-6 is used to survey, on a quarterly basis, all U.S. companies that produce 30,000 or more short tons of coal annually, and coal distribution companies that average coal stocks of 10,000 or more short tons per quarter. Data on coal production, producer stocks, and distributor stocks, by coal producing State are reported.

Current year data from this survey are preliminary and unrevised in the January - March, April - June, July - September, and October - December issues of this publication. Any revisions necessary for the entire year are applied and the data are considered final when published in the report, *Coal Industry Annual*, in the summer of the following year.

The respondent list for this survey is updated by comparing it with lists of coal producers from the Mine Safety and Health Administration (MSHA), U.S. Department of Labor, and from similar lists maintained by various State agencies. Also, new respondents are frequently identified on Form EIA-6, when other companies are named as sources of coal purchases.

## **Coal Distribution Report (Form EIA-6)**

Prior to 1996, the Form EIA-6 was used to survey, on a quarterly basis, all U.S. companies (producers and/or distributors) that own or purchase and distribute more than 50 thousand short tons of coal annually with the exception of Arkansas, Maryland, Oklahoma, and Pennsylvania-Anthracite, which have a 10-thousand-short-tons threshold annually. Beginning with the 1996 data collection, this survey is conducted annually. Data on coal production and purchases, distribution by consumer category, and method of transportation are reported.

At present, there are 11 hundred respondents to the EIA-6 survey. Until the end of 1988, coal distribution companies were required to report production on a Bureau of Mines district basis. For the year 1989, respondents were required to report on a BOM district/State basis. Beginning with the first quarter of 1990, respondents were required to report on a State basis. The annual production total reported on Form EIA-6 exceeds 99 percent of total production as reported by all mines on Form EIA-7A, "Coal Production Report," due to the difference in reporting thresholds. The data gathered on the Form EIA-6 only represent the domestic coal distributed, therefore, imported coal distributed is not included.

Current year data from this survey are considered final when published in the report, *Coal Industry Annual*, in the summer of the following year.

The respondent list for this survey is updated by comparing it with lists of coal producers from the Mine Safety and Health Administration (MSHA), U.S. Department of Labor, and from similar lists maintained by various State agencies. Also, new respondents are frequently identified on Form EIA-6 itself when other companies are named as sources of coal purchases.

## **Coal Production Report (Form EIA-7A)**

Form EIA-7A is used to survey all coal mining companies that own a mining operation in the United States. Detailed data are required of coal mining operations that produce, process, or prepare 10 thousand or more short tons of coal annually. Data on coal production, coalbeds mined, stocks, employment, productivity, productive capacity, and recoverable reserves are reported. The EIA annual publication, *Coal Industry Annual* (DOE/EIA-0584), is prepared from data reported on this survey.

At present, there are 2,365 respondents to the EIA-7A survey. Data for nonrespondents, if unobtainable through EIA's standard procedures for nonrespondents, were derived from coal production reports from State mining agencies, from coal distributors on Form EIA-6, "Coal Distribution Report," and from Form 7000-2, "Quarterly Mine Employment and Coal Production Report," which contains data collected by MSHA. The respondents on this survey are compared with lists of mining operations maintained by various State agencies and MSHA, to identify new respondents. The coal production and number of mines data on the Form EIA-7A include the entire population of U.S. coal mines. The other information contained on the form represents data for mines producing 10 thousand short tons or more during the year. This subgroup represents approximately 98 percent of all coal production.

Data from this survey are considered final at the time of publication.

## Electric Utility Surveys

Coal data appear in this report from two monthly surveys of electric utilities - from all generating electric utilities and from fossil-fueled plants.

The Census Bureau collected and published the results of a census taken every 5 years from 1902 to 1937 on the electric light and power industries and some data on industrial production of electric energy. The U.S. Geological Survey collected data on capacity and generation of electric utilities from 1920 to 1936, when this activity was turned over to the Federal Power Commission (FPC).

The data are maintained in a computer system and are edited to ensure that they are reasonable, consistent, and complete. For additional information from these surveys and for other electric utility data, see the EIA publication, *Electric Power Monthly* (DOE/EIA-0226).

### **Monthly Power Plant Report (Form EIA-759)**

Prior to the 1996 data collection, Form EIA-759 was used to survey all generating electric utilities. The Federal Power Act and FPC Order Number 141 define the legislative authority to collect power production data. Consumption and stocks of coal and other fuels at each plant were reported. The respondents to Form EIA-759, approximately 700 plants, accounted for 100 percent of total electric utility generation.

Beginning with the 1996 data collection, the Form EIA-759 is a cutoff model sample of approximately 360 electric utilities drawn from the frame of all operators of electric utility plants (approximately 700 electric utilities) that generate electric power for public use. Data will be collected on an annual basis from the remaining operators of electric utility plants. The new monthly data collection is from all utilities with at least one plant with a name-plate capacity of 25 megawatts or more. (Note: includes all nuclear units). However, the few utilities that generate electricity using renewable fuel sources other than hydroelectric are all included in the sample. The Form EIA-759 is used to collect monthly data on net generation; consumption of coal, petroleum, and natural gas; and end-of-the-month stocks of coal and petroleum for each plant by fuel-type combination.

Data from this survey are preliminary and unrevised in all four quarterly issues of the publication for the reporting year. Usually in the following year's January - March issue, any revisions necessary for the entire prior year are applied and the data are considered final.

### **Monthly Report of Cost and Quality of Fuels for Electric Plants**

(FERC Form 423)

Federal Energy Regulatory Commission (FERC) Form 423 is used to survey all fossil-fueled plants with a total steam or combined-cycle generating capacity of 50 megawatts or more. It is submitted by approximately 230 electric utilities. In 1972, the FPC issued Order Number 453, which included the legislative authority to create FERC Form 423. Cost, quality, and source of fuels (by State or country of origin), including coal, are reported.

Data from this survey are preliminary and unrevised in all four quarterly issues of the publication for the reporting year. Usually in the following year's January - March issue, any revisions necessary for the entire prior year are applied and the data are considered final.

### **Annual Nonutility Power Producer Report (Form EIA-867)**

The Form EIA-867 is a mandatory annual survey of all existing and planned nonutility electric generating facilities in the United States with a total generator nameplate capacity of 1 or more megawatts. In 1992, the reporting threshold of the Form EIA-867 was lowered to include all facilities with a combined nameplate capacity of 1 or more megawatts. Previously, data were collected every 3 years from facilities with a nameplate capacity between 1 and 5 megawatts.

The form is used to collect data on the installed capacity, energy consumption, generation, and electric energy sales to electric utilities and other nonutilities by facility. Additionally, the form is used to collect data on the quality of fuels burned and the types of environmental equipment used by the respondent.

## Export and Import Data

Export and import data (except imports to electric utilities which are reported on the FERC Form 423) are obtained from the Census Bureau--export data from the monthly EM 545 (formerly EM 522) report, import data from the monthly IM 145 report. The Census Bureau compiles these data monthly from documents filed with the U.S. Customs Service as required by law. They include shippers' export declaration forms, import entry forms, and warehouse withdrawal forms. No sampling procedures are used. The Census Bureau publication *Guide to Foreign Trade Statistics* describes the foreign trade statistics program, including the EM 545 and IM 145 monthly reports.

Data from these surveys are considered final at the time of publication.

# Technical Notes

## 3. Receipts

Coal receipts data are derived for each end-use sector as follows:

**Electric Utilities.** Receipts are reported on FERC Form 423.

**Coke Plants.** Receipts are reported on Form EIA-5.

**Other Industrial Plants.** Prior to 1996 data, coal receipts were derived for each State by two methods, and the method producing the larger value for a State was chosen. The two methods were (1) receipts as reported on Form EIA-3, and (2) shipments to the **other industrial plants** sector as reported on the quarterly Form EIA-6, which included shipments to the **transportation** sector.

Beginning with the 1996 data collection, current quarter coal receipts for each State are derived as follows: Quarterly "Other Industrial" Coal Receipts (State X) = EIA-3 Coal Receipts (State X) + Y (State X), where:

$$Y (\text{State X}) = (\text{EIA-6 Coal Distribution to Agriculture Mining \& Construction Sectors (State X, Year - 1) + Coal Distribution to Transportation Sector (State X, Year - 1) + EIA-7A Coal Consumption at Coal Mines (State X, Year - 1) + EIA-867 Coal Consumption at Other Mines (State X, Year - 1)})/4.$$

**Residential and Commercial.** Shipments to the **residential and commercial** sector are reported on Form EIA-6 and defined as receipts for this end-use sector. See Technical Note 2.

## 4. Prices

Prices are derived for each end-use sector as follows:

**Electric Utilities.** Prices are reported for each plant in cents-per-million Btu on FERC Form 423. The price per ton of coal is calculated at each plant using cents-per-million Btu and the average Btu content per pound of coal for the appropriate rank of coal. The average prices appearing in the tables (e.g., across all States) are calculated by summing the dollar value at each plant (short tons of coal multiplied by price per short ton) and dividing by the corresponding total tons. For more information about prices of coal at **electric utilities**, see the EIA publication, *Electric Power Monthly* (DOE/EIA-0226).

**Coke Plants.** Respondents are asked to report the number of tons of coal received (or coke distributed) on Form EIA-5 and the total value of that coal (or coke) in dollars. Average prices are calculated by summing the reported values (e.g., across all States) and dividing by the corresponding total tons.

## 1. Other Industrial Plants and Manufacturing

The **other industrial plants** end-use sector includes the **manufacturing**, agriculture, forestry and fishing, mining, and construction industries. Manufacturing accounts for approximately 97 percent of the coal receipts and consumption and 100 percent of the coal stocks in the **other industrial plants** sector as reported herein. Prior to the 1996 data collection, data sources for the **other industrial plants** sector and the **manufacturing** sector were Forms EIA-6 and EIA-3, respectively. Beginning with the 1996 data collection, data sources for the **other industrial plants** sector are Forms EIA-6, EIA-3, EIA-867, and EIA-7A. The source statement in each table identifies the survey used to collect coal data for the **other industrial plants** sector, and the following technical notes describe the methodology used when data were derived.

## 2. Residential and Commercial

To reduce the reporting burden to coal users, the EIA does not conduct any survey of coal data from residential and commercial users of coal. Prior to the 1996 data collection, shipments of coal to this sector, reported by producers and distributors of coal on the quarterly Form EIA-6 were equated to coal receipts and consumption by the **residential and commercial** sector, assuming no stock changes.

Beginning with 1996 data, annual shipments of coal to this sector in the previous reporting year, as reported on the Form EIA-6, are presented for each quarter as follows: 30 percent for January - March, 20 percent for April - June, 20 percent for July - September, and 30 percent from October - December, and are considered preliminary. When final data are received for the current year on the annual Form EIA-6, the data is prorated as noted above and reported as final in the report, *Coal Industry Annual*, in the summer of the following year of the data.

**Other Industrial Plants.** Respondents (manufacturing plants only) are asked to report the number of tons of coal received on Form EIA-3 and the total value of that coal in dollars. Average prices are calculated by summing the reported values across all States and dividing by the corresponding total tons.

**Residential and Commercial.** Data are not collected. See Technical Note 2.

## 5. Consumption

### Quarterly Data

Coal consumption data are derived for each end-use sector as follows:

**Electric Utilities.** Consumption is reported on Form EIA-759.

**Nonutility Electric Generating Facilities.** Coal consumption for these facilities is reported on the annual Form EIA-867. EIA estimates quarterly coal consumption for facilities categorized in SIC 49 -- independent power producers and cogeneration plants not included in the other industrial, coke, and commercial sectors -- (See footnote to Tables 1 and 37). For current year quarterly coal consumption, EIA estimates annual consumption based on the prior year's coal consumption and divides the total by four. For historical years, the annual coal consumption reported on the EIA-867 is divided by four to devise quarterly coal consumption.

**Coke Plants.** Consumption is reported on Form EIA-5.

**Other Industrial Plants.** In deriving a quarterly estimate for coal consumption for the *other industrial plants* sector prior to 1996 data, the first step is to equate consumption to beginning stocks plus receipts minus ending stocks. In terms of an equation, consumption can be expressed as  $C = S_b + R - S_e$ , where  $S_b$  = beginning stocks,  $R$  = receipts, and  $S_e$  = ending stocks.

Therefore, consumption is  $C = (S_b - S_e$  (change in stocks)) +  $R$ . Next, stock change at the State level is equated to the stock change for that State as reported on Form EIA-3, receipts at the State level are derived as described in Section 3, and a computed consumption is derived using the same equation for each State. Finally, the quarterly consumption (C) at the State level is equated to the maximum of the computed consumption at the State level, as previously described, and the quarterly consumption for that State as reported on Form EIA-3. This process ensures that State-level consumption for the *other industrial plants* sector is always greater than or equal to the *manufacturing* sector consumption for that State. Total quarterly consumption for the *other industrial*

*plants* sector is computed by summing the quarterly State-level consumption figures.

Beginning with the 1996 data collection, current quarter coal consumption for each State are derived as follows: Quarterly "Other Industrial" Coal Consumption (State X) = EIA-3 Coal Consumption (State X) + Y (State X), where:

$Y$  (State X) = (EIA-6 Coal Distribution to Agriculture Mining & Construction Sectors (State X, Year - 1) + Coal Distribution to Transportation Sector (State X, Year - 1) + EIA-7A Coal Consumption at Coal Mines (State X, Year - 1) + EIA-867 Coal Consumption at Other Mines (State X, Year - 1))/4.

**Residential and Commercial.** Shipments to the *residential and commercial* sector as reported on Form EIA-6 are defined as consumption as well as receipts for this end-use sector. See Technical Note 2.

### Monthly Data

EIA publishes monthly estimates of coal consumption in the *Monthly Energy Review* (DOE/EIA-0035).

Monthly coal consumption at electric utility plants is derived directly from Form EIA-759.

Since 1988, monthly coal consumption at coke plants is derived from quarterly coal consumption reported on Form EIA-5, using ratios derived from monthly data on raw steel production published by the American Iron and Steel Institute (AIS) on Form AIS7. The ratio is the proportion of monthly raw steel production from open hearth and basic oxygen process furnaces to the quarterly raw steel production from those furnace types.

Since 1988, monthly coal consumption for the other industrial plants sector is derived from quarterly coal consumption using monthly ratios derived from the industrial production indices published by the Board of Governors of the Federal Reserve System. Six major industry groups' indices are used as the basis for calculating the monthly ratios. These groups are foods (Standard Industrial Classification (SIC) 20), paper and products (SIC 26), chemicals and products (SIC 28), petroleum products (SIC 29), clay, glass, stone products (SIC 32), and primary metals (SIC 33).

The monthly ratios are computed as the monthly sum of weighted indices as a proportion of the quarterly sum of weighted indices, using the 1985 proportion as the weight.

Since 1988, monthly coal consumption figures are derived using the monthly national average population weighted heating/cooling degree-days obtained from the National Oceanic and Atmospheric Administration. The ratio is the proportion of the monthly national sum of heating and cooling degree-days to the quarterly sum.

## 6. Stocks

### Quarterly Data

Coal stocks are derived for each end-use sector as follows:

**Electric Utilities.** Stocks are reported on Form EIA-759.

**Nonutility Electric Generating Facilities.** No coal stocks data are available.

**Coke Plants.** Stocks are reported on Form EIA-5.

**Other Industrial Plants.** Stocks are reported on Form EIA-3, i.e., stocks at *manufacturing* plants only. Technical Note 1 discusses the difference between *other industrial plants* and *manufacturing plants*.

**Residential and Commercial.** Data are not available. See Technical Note 2.

**Producer and Distributor.** Beginning with the 1996 data, coal stocks are reported on the quarterly Form EIA-6, Schedule Q, and the annual Form EIA-6. Prior to 1996, stock data were reported on the quarterly Form EIA-6.

### Monthly Data

EIA publishes monthly estimates of coal stocks in the *Monthly Energy Review* (DOE/EIA-0035).

Coal stocks at electric utility plants are derived directly from Form EIA-759. For 1980 and subsequent years, the stock level at coke plants at the end of the first month of a quarter is derived as ending stocks for the previous quarter plus (minus) one-third of the current quarterly stock increase (decrease), as reported on the Form EIA-5. The stock level at the end of the second month is equal to the stock level at the end of the first month plus (minus) one-third of the current quarterly stock increase (decrease). The stock level at the end of the third month is equal to the stock level at the end of the current quarter.

Since 1983, quarterly stock changes in other industrial sector, as reported on Form EIA-3, are apportioned by month in the same manner as described for coke plants in the preceding paragraph.

## 7. Production

Estimates of coal production by region and State are published in this report for the current quarter (Table 4). These estimates are derived from Form EIA-6, Schedule Q, Form 7000-2 (Mine Safety and Health Administration (MSHA), U.S. Department of Labor), and from State mining agency coal production reports. The EIA also publishes monthly estimates of total coal production in the *Monthly Energy Review* (DOE/EIA-0035) and monthly and weekly estimates by State in the *Weekly Coal Production* report (DOE/EIA-0218). Final coal production data for the year are shown both in the *Quarterly Coal Report* (DOE/EIA-0121) and in the *Coal Industry Annual* report (DOE/EIA-0584).

### Weekly Data

Estimates of national weekly coal production are based on weekly carload data collected by the Association of American Railroads (AAR) from its members (Class I Railroads) and certain other railroads. EIA calculates the average number of tons per carload for each railroad's coal car fleet from information obtained from the Quarterly Freight Commodity Statistics filed by Class I Railroads with the Interstate Commerce Commission (ICC) and from data made available by individual railroads. The average number of tons per carload is then multiplied by the number of cars loaded to obtain an estimate of weekly production shipped by AAR railroads.

Next, the estimate of coal shipped by AAR railroads for the week is converted to total coal produced by all States for the week. This U.S. weekly coal production estimate for a specific week is obtained by dividing the AAR rail tonnage for the week by a factor representing the proportion of quarterly AAR rail shipments to total quarterly coal production. Because this is done on a weekly basis, and prior to completion of current quarterly statistics, the factor used is derived, using ICC data on tons per carload and total carloadings and EIA data on total production for the same quarter of the previous year. Figures for the same quarter of the year are used in order to reflect seasonal variations, except in years when there were supply disruptions, i.e., coal miners strike, floods, etc. In these cases the latest quarter's data is used and adjusted. In other cases, the ratio of rail tonnage to total production may also be adjusted to take additional, more current information into consideration, such as rail or coal strikes.

Once the U.S. weekly coal production estimate is determined, this total is split into two subtotals - the portion representing States with little or no rail coal shipments, and the portion representing the remaining States, where a significant percentage of production is shipped by rail. The States with little or no railroad coal shipments are Alaska, Arizona, Arkansas, Louisiana, Missouri, Texas, and Washington. With the exception of Louisiana, production data for each "nonrail" State are developed by multiplying the esti-

mate of U.S. weekly coal production by the ratio of the previous quarter production for each State to U.S. total production. The EIA contacts the largest producer in Louisiana to develop weekly production data for Louisiana.

Estimates for the remaining States are in aggregate equal to the U.S. weekly coal production minus the estimated production from the nonrail States. Estimates for "rail States" are based on the AAR carload data compiled by State of origin, including separate estimates for the anthracite and bituminous coal regions in Pennsylvania, eastern and western Kentucky, and northern and southern West Virginia. To determine the distribution of railroad carloadings by State of origin, EIA uses information obtained directly from the AAR railroads.

Each railroad's share of rail traffic originating in the States it serves is multiplied by the current week's tonnage derived from the carloading reports filed with AAR to determine the State tonnages for each railroad. These tonnages are then summed by each State to estimate total production shipped by AAR rail for that State. These tonnages are divided by the most recent ratio of annual AAR rail tonnage to total annual production for each State. The resulting weekly coal production estimates for the rail States are then adjusted to ensure that each State's production figure contributes proportionately and sums to the weekly coal production estimate previously derived in aggregate for the rail States.

## **Monthly Data**

Preliminary estimates of monthly coal production by State are obtained by summing weekly coal production estimates published in the *Weekly Coal Production* report. If a week extends into a new month, the production is allocated by day, and the days are added to the month in which they occur. For weeks without holidays, the allocation is Monday through Friday, 18.4 percent each day; Saturday, 8 percent; and Sunday, 0 percent. For weeks with a holiday occurring on a day other than Sunday, the allocation is the holiday, 0 percent; and any other day, 20 percent.

Preliminary weekly and monthly production estimates are revised quarterly when quarterly production data become available. Preliminary weekly and monthly estimates are proportionately adjusted to conform to the quarterly production figure.

## **Quarterly Data**

Prior to 1996 data, estimates of quarterly coal production are equated to the data collected quarterly on Form EIA-6. The national estimate of quarterly coal production is set equal to the quarterly U.S. coal production and purchases totals as reported on the Form EIA-6. Quarterly State production figures are equated to the State level production and purchases totals as reported on Form EIA-6.

Beginning with 1996 data, estimates of quarterly coal production by State are equated to the State level production totals as reported on the Form EIA-6, Schedule Q, supplemented, when required, with data from the Mine Safety and Health Administration U.S. Department of Labor, Form 7000-2, "Quarterly Mine Employment and Coal Production Report," and State mining agency production reports.

The quarterly production data, although published throughout the year, are considered preliminary until EIA finalizes the annual production data in the summer of the following year. At that time, quarterly production data are revised (proportionately adjusted) to conform to the final annual production figures.

## **Finalizing of Annual Production**

A preliminary estimate of total annual U.S. coal production, as reported in the *Weekly Coal Production* report in the first week in January of the following year, is the sum of revised monthly/quarterly estimates of production for the first 9 months (first three quarters) and a preliminary estimate of fourth quarter production derived from weekly estimates. When production data for the fourth quarter of the year become available from Form EIA-6, Schedule Q, in March of the following year, the preliminary estimate of fourth-quarter U.S. total production and the corresponding State-level production are revised. In addition, any revisions to the data for the first three quarters of the Form EIA-6, Schedule Q, are reflected in the fourth quarter QCR.

Weekly, monthly, and quarterly State and national production data are adjusted to conform to finalized annual production figures in the summer of the following year.

## **8. Census Export and Import Data**

Export and import data are obtained from the Bureau of the Census, U.S. Department of Commerce, where they are compiled monthly from documents filed with the U.S. Customs Service, as required by law.

Each coal shipment is reported in short tons with corresponding total dollar values. EIA converts all value



data obtained from the Census Bureau to average price data by dividing the dollar value by the quantity.

Based on an analysis and sample validation of the Census Bureau import and export data conducted by the EIA, it was determined that some of the coal and coke data collected from the Census Bureau may be misleading or incorrect (particularly those data associated with very small quantities or very high prices). Because of this, a methodology was developed to edit the Census Bureau price data.

Prior to 1989, certain data cells had been suppressed for publication purposes only: (1) average import coal prices of \$50.00 or more per short ton; (2) average export coal prices of \$60.00 or more per short ton; (3) average coke prices of \$200.00 or more per short ton; (4) all percent changes of 500 percent or more.

Beginning with 1989, coal export data were categorized as metallurgical coal and steam coal, rather than as bituminous steam coal, lignite, anthracite, and bituminous metallurgical coal.

In addition, coal export tables were revised to present those countries to which the United States exported more than 50,000 short tons in the prior calendar year. The remaining countries in each continent were aggregated in an "other" category. This reduces the number of empty cells and highlights the major importers of U.S. coal. All coke export and import, and coal import countries and quantities are displayed.

The following methodology was used to derive the typical average prices as presented in the price tables. For all coal, a price distribution was derived from the prior calendar year export price data. Since extreme price variations in the Census Bureau data are the exception rather than the rule, the price distribution was used to identify a typical price range. The price distribution, from low to high, along with the frequency of each price (quantity) was analyzed to determine the representative prices. The extreme prices at both ends of the distribution were eliminated to arrive at a price range that covered at least 90 percent of the exports. This price range was considered to include typical or representative prices. Considering the records that fell within the typical price range, the weighted average price was calculated by country of destination and type of coal.

The same procedure was used to determine the typical average prices of coal imports. In addition to the average prices based on the above methodology, a U.S. total row is presented in the price tables, which represents the average price using all the Census Bureau data.

For reporting purposes, the month of exportation reflects the month in which the shipment leaves the United States. The month of importation generally is based on the month in which the U.S. Customs Service releases the merchandise to the importer. For both sets of data, however, there can exist a small

carry-over from the actual month of exportation or importation to a subsequent month, usually the succeeding month. A number of factors in processing account for this, e.g., late receipt of a document for an end-of-month shipment, or rejection of a shipment by the computer due to failure to meet established edit criteria. These limitations should be considered when making comparisons.

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.

## 9. Metric Data

Selected quarterly tables are converted to metric tons by multiplying the underlying data by the factor .907185. The metric data in Appendix B are derived from the following tables:

Tables 1, 36, 43, 6/7, 8, 9, 10, 11, 12, 13, 16 and 17, and are presented, respectively, in Tables B1 through B12.

## 10. Revisions

The Office of Coal, Nuclear, Electric and Alternate Fuels has adopted the following policy with respect to the revision and correction of recurrent data in energy publications:

1. Annual survey data collected by this office are published either as preliminary or final when first appearing in a data report. Data initially released as preliminary will be so noted in the report. These data will be revised, if necessary, and declared final in the next publication of the data.
2. All monthly and quarterly survey data collected by this office are published as preliminary. These data are revised only after the completion of the 12-month cycle of the data. No revisions are made to the published data before this.
3. The magnitudes of changes due to revisions experienced in the past will be included in the data reports, so that the reader can assess the accuracy of the data (Table C1).
4. After data are published as final, corrections will be made only in the event of a greater than one percent difference at the national level. Corrections for differences that are less than the one percent threshold are left to the discretion of the Office Director.

**Table C1. Accuracy of Preliminary Quarterly Values, Compared With Final Quarterly Values at the U.S. Level, 1994 and 1995**

## **11. Price Data and Taxes**

The price data reported in this publication include relevant local, State, and Federal excise and sales taxes.

## **12. Approximate Heat Content of Coal**

Table C2 presents the approximate heat content of coal by rank and disposition for 1982 through 1995.

**Table C2. Approximate Heat Content of Coal**  
(Million Btu per Short Ton)

Coal Rank Sector	1989	1990	1991	1992	1993	1994	1995
<b>Anthracite</b>							
Production.....	23.385	23.574	22.573	22.572	22.573	22.572	22.573
Consumption.....	22.623	21.668	21.410	21.423	21.262	20.828	20.860
Non-electric utility users.....	27.196	25.199	25.268	24.617	24.096	25.037	24.872
Electric utilities.....	16.310	16.140	15.858	16.944	16.534	14.680	14.568
Imports and exports.....	25.400	25.400	25.400	25.400	25.400	25.400	25.400
<b>Bituminous Coal and Lignite</b>							
Production.....	21.759	21.819	21.678	21.643	21.383	21.347	21.272
Consumption.....	21.268	21.330	21.146	21.142	20.983	21.011	20.852
Residential and commercial.....	22.917	22.678	22.635	22.768	22.749	22.683	22.785
Coke plants.....	26.800	26.800	26.800	26.800	26.800	26.800	26.800
Other industrial and transportation.....	22.324	22.444	22.448	22.242	22.111	22.046	21.887
Electric utilities.....	20.854	20.935	20.761	20.792	20.644	20.681	20.509
Imports.....	25.000	25.000	25.000	25.000	25.000	25.000	25.000
Exports.....	26.166	26.207	26.192	26.165	26.341	26.335	26.212
<b>Coal Coke</b> .....	24.800	24.800	24.800	24.800	24.800	24.800	24.800

Note: All values shown for 1994 and previous years are final. Values for 1995 are preliminary.

Source: Calculated by Energy Information Administration. See *Monthly Energy Review* DOE/EIA-0035 Appendix A for detailed description.

# Glossary

**Anthracite Coal:** A hard, black, lustrous coal, often referred to as hard coal, containing a high percentage of fixed carbon and a low percentage of volatile matter. Comprises three groups classified according to the following American Society for Testing and Materials (ASTM) Specification D388-84, on a dry mineral-matter-free (mmf) basis:

	Fixed Carbon Limits		Volatile Matter	
	GE	LT	GT	LE
Meta-Anthracite	98	-	-	2
Anthracite	92	98	2	8
Semianthracite	86	92	8	14

GE = Greater than or equal to  
 LT = Less than  
 GT = Greater than  
 LE = Less than or equal to

**Ash:** Impurities consisting of silica, iron, alumina, and other incombustible matter that are contained in coal. Ash increases the weight of coal, adds to the cost of handling, and can affect the burning characteristics. Ash content is measured as a percent by weight of coal on an "as received" or a "dry" (moisture-free, usually part of a laboratory analysis) basis.

**Bituminous Coal:** The most common coal. It is dense and black (often with well-defined bands of bright and dull material). Its moisture content usually is less than 20 percent. It is used for generating electricity, making coke, and space heating. Comprises five groups classified according to the following ASTM Specification D388-84, on a dry mineral-matter-free (mmf) basis for fixed-carbon and volatile matter and a moist mmf basis for calorific value.

	Fixed Carbon Limits		Volatile Matter Limits		Calorific Value Limits	
	GE	LT	GT	LT	GE	LE
LV	78	86	14	22	-	-
MV	69	78	22	31	-	-
HVA	-	69	31	-	14000	-
HVB	-	-	-	-	13000	14000
HVC	-	-	-	-	10500	13000

LV = Low-volatile bituminous coal  
 MV = Medium-volatile bituminous coal  
 HVA = High-volatile A bituminous coal  
 HVB = High-volatile B bituminous coal  
 HVC = High-volatile C bituminous coal  
 GE = Greater than or equal to  
 LT = Less than  
 GT = Greater than  
 LE = Less than or equal to

**Blast Furnace:** A furnace in which solid fuel (coke) is burned with an air blast to smelt ore.

**Breeze:** The fine screenings from crushed coke. Usually breeze will pass through a 1/2-inch or 3/4-inch screen opening. It is most often used as a fuel source in the process of agglomerating iron ore.

**Btu (British thermal unit):** The amount of heat needed to raise the temperature of 1 pound of water by 1 degree Fahrenheit. The Btu is a convenient measure by which to compare the energy content of various fuels.

**Census Divisions:** The nine geographic divisions of the United States established by the Bureau of the Census, U.S. Department of Commerce for statistical analysis. The boundaries of Census divisions coincide with State boundaries. In some cases, the Pacific Division is subdivided into the Pacific Contiguous and Pacific Noncontiguous areas.

**Coal Carbonized:** The amount of coal decomposed into solid coke and gaseous products by heating in a coke oven in a limited air supply or in the absence of air.

**Coal-Producing Regions:** A geographic classification of coal-producing States. The States in the Appalachian Region are Alabama, Georgia, Eastern Kentucky, Maryland, Ohio, Pennsylvania, Tennessee, Virginia, and West Virginia. The Interior Region States are Arkansas, Illinois, Indiana, Iowa, Kansas, Western Kentucky, Louisiana, Missouri, Oklahoma, and Texas. Alaska, Arizona, California, Colorado, Montana, New Mexico, North Dakota, Utah, Washington, and Wyoming are States in the Western Region.

**Coal-Producing States:** The States where mined and/or purchased coal originates are defined as follows: Alabama, Alaska, Arizona, Arkansas, California, Colorado, Illinois, Indiana, Iowa, Kansas, Kentucky Eastern, Kentucky Western, Louisiana, Maryland, Missouri, Montana, New Mexico, North Dakota, Ohio, Oklahoma, Pennsylvania anthracite, Pennsylvania bituminous, Tennessee, Texas, Utah, Virginia, Washington, West Virginia Northern, West Virginia Southern, and Wyoming.

The following coal-producing States are split in origin of coal, as defined below:

- **Kentucky, Eastern** All mines located in counties other than the Western Kentucky counties.
- **Kentucky, Western** All mines in the following counties in Western Kentucky: Butler, Caldwell, Christian, Crittenden, Daviess, Edmonson, Grayson, Hancock, Henderson, Hopkins, Logan, McLean, Muhlenberg, Ohio, Simpson, Todd, Union, Warren, and Webster.
- **Pennsylvania Anthracite** All mines in the following counties: Carbon, Columbia, Dauphin, Lackawanna, Lebanon, Luzerne, Northumberland, Schuylkill, Sullivan, and Susquehanna. All anthracite mines in Bradford County.
- **Pennsylvania Bituminous** All mines located in counties other than the Pennsylvania anthracite counties and all bituminous mines in Bradford County.
- **West Virginia, Northern** All mines in the following counties (formerly defined as Coal-Producing Districts 1, 3, & 6): Barbour, Brooke, Braxton, Calhoun, Doddridge, Gilmer, Grant, Hancock, Harrison, Jackson, Lewis, Marion, Marshall, Mineral, Monongalia, Ohio, Pleasants,

Preston, Randolph, Ritchie, Roane, Taylor, Tucker, Upshur, Webster, Wetzel, Wirt, and Wood.

- **West Virginia, Southern** All mines in the following counties (formerly defined as Coal-Producing Districts 7 & 8): Boone, Cabell, Clay, Fayette, Greenbrier, Kanawha, Lincoln, Logan, Mason, McDowell, Mercer, Mingo, Monroe, Nicholas, Pocahontas, Putnam, Raleigh, Summers, Wayne, and Wyoming.

classified according to the following ASTM Specification D388-84 for calorific values on a moist material-matter-free (mmf) basis:

	Limits Btu/lb.	
	GE	LT
Lignite A	6300	8300
Lignite B	-	6300

GE = Greater than or equal to  
LT = Less than

**Coal Rank:** A classification of coal based on fixed carbon, volatile matter, heating value, and agglomerating character. It is an indication of the progressive alteration, or coalification, from lignite to anthracite. The rank of coal can also be determined by measuring the reflectance of vitrinite, one of the several organic components (macerals) of coal.

**Coke (coal):** In general, coke is made from bituminous coal (or blends of bituminous coal) from which the volatile constituents are driven off by baking in an oven at temperatures as high as 2,000 degrees Fahrenheit, so that the fixed carbon and ash are fused together. Coke is hard and porous, has a gray, submetallic luster, and is strong enough to support a load of iron ore in a blast furnace. It is used both as a fuel and a reducing agent in smelting iron ore in a blast furnace. Coke has a heating value of 24.8 million Btu per short ton.

**Coke Plants:** Plants where coal is carbonized in slot or beehive ovens for the manufacture of coke.

**Electric Utilities:** All privately owned companies and all publicly owned agencies engaged in the generation, transmission, or distribution of electric power for public use. Publicly owned agencies include municipal electric utilities, Federal power projects, such as the Tennessee Valley Authority (TVA), rural electrification cooperatives, power districts, and State power projects.

**f.a.s. Value:** Free alongside ship value. The value of a commodity at the port of exportation, generally including the purchase price plus all charges incurred in placing the commodity alongside the carrier at the port of exportation in the country of exportation.

**Foundry:** An operation where metal castings are produced, using coke as a fuel.

**Furnace Coke Plant:** A coke plant whose coke production is used primarily by the producing company.

**Lignite:** A brownish-black coal of low rank with high inherent moisture and volatile matter (used almost exclusively for electric power generation). It is also referred to as brown coal. Comprises two groups

**Merchant Coke Plant:** A coke plant where coke is produced primarily for sale on the commercial (open) market.

**Metallurgical Coal (or coking coal):** A coal that meets the requirements for making coke. It must have a low ash and sulfur content and form a coke that is capable of supporting the charge of iron ore and limestone in a blast furnace. A blend of two or more bituminous coals is usually required to make coke.

**Metric Ton:** A unit of weight equal to 2,204.6 pounds.

**Other Industrial Plant:** Industrial users, not including coke plants, engaged in the mechanical or chemical transformation of materials or substances into new products (manufacturing); and companies engaged in the agriculture, mining, or construction industries.

**Preparation Plant:** A mining facility at which coal is crushed, screened, and mechanically cleaned.

**Residential and Commercial Sector:** Housing units; wholesale and retail businesses (except coal wholesale dealers); health institutions (hospitals); social and educational institutions (schools and universities); and Federal, State, and local governments (military installations, prisons, office buildings).

**Short Ton:** A unit of weight equal to 2 thousand pounds.

**Steam Coal:** A coal that is used in boilers to generate steam to produce electricity or for other purposes.

**Stocks:** The supply of coal or coke at a mine, plant, or utility at the end of the reporting period.

**Subbituminous Coal:** A dull black coal of rank intermediate between lignite and bituminous, consisting of subbituminous A coal, subbituminous B coal, and subbituminous C coal, classified according to the following ASTM Specification D388-84 on a moist mineral-matter-free (mmf) basis:

	Calorific Value Limits Btu/lb.	
	GE	LT
Subbituminous A Coal	10500	11500
Subbituminous B Coal	9500	10500
Subbituminous C Coal	8300	9500

GE = Greater than or equal to

LT = Less than

**Sulfur:** One of the elements present in varying quantities in coal that contributes to environmental degradation when coal is burned. In terms of sulfur content by weight, coal is generally classified as low (less than or equal to one percent), medium (greater than one percent and less than or equal to three percent), and high (greater than three percent). Sulfur content is measured as a percent by weight of coal on an "as

received" or a "dry" (moisture-free, usually part of a laboratory analysis) basis.

**Surface Mine:** A coal-producing mine that is usually within a few hundred feet of the surface. Earth above or around the coal (overburden) is removed to expose the coalbed, which is then mined with surface excavation equipment such as draglines, power shovels, bulldozers, loaders, and augers. It may also be known as an area, contour, open-pit, strip, or auger mine.

**Underground Mine:** A mine where coal is produced by tunneling into the earth to the coalbed, which is then mined with underground mining equipment such as cutting machines and continuous, longwall, and shortwall mining machines. Underground mines are classified according to the type of opening used to reach the coal, i.e., drift (level tunnel), slope (inclined tunnel), or shaft (vertical tunnel).

**Table C1. Accuracy of Preliminary Quarterly Values Compared with Final Quarterly Values at the U.S. Level, 1994 and 1995**

Item	Mean Absolute Value of Change	
	1994	1995
<b>Production (Thousand Short Tons)</b> .....	852	458
<b>Distribution (Thousand Short Tons)</b>		
Electric Generation .....	428	125
Other Industrial .....	79	11
Coke Plants .....	78	262
Residential/Commercial .....	56	1
<b>Receipts (Thousand Short Tons)</b>		
Electric Utilities .....	48	101
Other Industrial .....	314	343
Coke Plants .....	155	0
Residential/Commercial .....	56	1
<b>Average Price of Coal Receipts (Dollars Per Short Ton)</b>		
Electric Utilities .....	\$.31	\$.18
Other Industrial .....	3.64	.13
Coke Plants .....	24.22	.00
<b>Consumption (Thousand Short Tons)</b>		
Electric Utilities .....	31	80
Other Industrial .....	54	1,211
Coke Plants .....	170	0
Residential/Commercial .....	56	1
<b>Stocks<sup>1</sup> (Thousand Short Tons)</b>		
Electric Utilities .....	130	245
Other Industrial .....	38	5
Coke Plants .....	65	0
Producer/Distributor .....	26	32

<sup>1</sup> Stocks are end of quarter values.

Notes: • Change refers to the difference between preliminary quarterly data published in the *Quarterly Coal Report* (QCR) and the final quarterly data published in the QCR and *Coal Industry Annual*. • Mean absolute value of change is the unweighted average of the absolute changes. • NA=Not Available.

Sources: • Energy Information Administration, Form EIA-7A, "Coal Production Report"; Form EIA-6, "Coal Distribution Report"; Form EIA-3, "Quarterly Coal Consumption Report - Manufacturing Plants"; Form EIA-5, "Coke Plant Report - Quarterly"; Form EIA-759, "Monthly Power Plant Report." • Federal Energy Regulatory Commission: FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."