

# **Quarterly Coal Report July-September 1996**

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# 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 July through September 1996 and aggregated quarterly historical data for 1990 through the second quarter of 1996. 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(95) .

The historical data in this report are collected by the EIA in three quarterly coal surveys (coal consumption at manufacturing plants, coal production, 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.

**Quarterly coal distribution data are 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 appeared for the first time in the January-March issue of the *Quarterly Coal Report*.**

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

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

The U.S. coal industry in the third quarter of 1996 saw several records broken, as electric utility coal demand pushed production and receipts to all-time highs. (Table 39). Coal prices to every consumer sector hit a record low.

U.S. coal production in the third quarter of 1996 totaled 270 million short tons (Table 3). Not only was this the highest recorded quarterly total, but it was also 3.3 percent higher than the previous quarter and 4.8 percent above the same quarter in 1995. Coal output for the first nine months of 1996 reached nearly 790 million short tons, rising 2 percent above the 774 million short tons produced in the comparable period a year ago.

Higher tonnage in each coal-producing region contributed to the record output in the third quarter. In comparing third-quarter 1996 versus third-quarter 1995, the Appalachian Region produced 110 million short tons, 2.4 percent higher than a year earlier. Much of this increase can be attributed to larger production in southern West Virginia and Pennsylvania, up 1.2 million short tons and 1.1 million short tons, respectively. The Interior Region produced 44 thousand short tons, 2.5 percent more than in the comparable quarter last year. An increase in output in Indiana (1.8 million short tons) offset declines in Illinois and Texas, which together accounted for a 1-million-short-ton drop in production (Table 4).

U.S. coal consumption in the third quarter of 1996 totaled 257.9 million short tons, compared to 259.4 million short tons in the third quarter in 1995 (Table 37). Electric utility plants consumed 233 million short tons, a quarterly record (Table 39). Coal consumption at coke plants hit a record low of 7.1 million short tons, while coal consumption at other industrial plants was at the lowest level since the third quarter of 1983. In the first nine months of 1996, coal consumption reached 729.9 million short tons, climbing 3.6 percent above the comparable period in 1995. This was primarily due to a 29-million-short-ton rise in coal consumption by electric utilities, primarily in the South Atlantic, West South Central, East North Central, East South Central and West North Central Census Divisions (Table 39). Coal consumption at coke plants and other industrial plants declined by 7.1 percent and 3.5 percent, respectively.

The United States exported nearly 24 million short tons of coal in the third quarter of 1996, about 6 percent more than the amount exported in the same period in 1995 (Table 6). The increase was primarily because of higher demand from steam coal markets in Canada and Mexico. U.S. coal exports in the first nine months of 1996 totaled 67 million short tons, rising

4.2 percent above the comparable period in 1995. Higher demand for steam coal from the United Kingdom, Japan, and Morocco and for metallurgical coal from Canada, Italy, and the Republic of South Africa accounted for most of the increase in exports (Tables 8, 10, 12). Exports of both steam and metallurgical coal rose during this period by 8.3 percent and 1.6 percent, respectively (Table 10, 12). U.S. coke exports totaled 778.5 thousand short tons for the first nine months of 1996, contrasting with 510 thousand short tons reported for the same period last year.

The average price of export coal in the third quarter of 1996 was \$40.53 per short ton, virtually unchanged from prices during the previous quarter and the same quarter a year ago (Table 7). Based on an average annual price of \$41.00 per short ton, the value of U.S. coal exported in the first nine months of 1996 was \$2.7 billion.

U.S. coal imports totaled 2 million short tons, 20 percent above the imports in the same quarter in 1995 (Table 16). This brought total U.S. coal imports for the first nine months of 1996 to 5.3 million short tons, up 4 percent from imports during the comparable period a year ago. Most of the increase in coal imports was due to greater U.S. demand for coal from Indonesia and Canada, which was partially offset by a decline in demand for coal from Venezuela and Australia. The average price of coal imports in the third quarter was \$33.19 compared with \$33.61 in the same quarter last year, while the average price in the first nine months of 1996 was \$33.08 compared with \$33.96 for the same period a year earlier (Table 17). The value of coal imports in the first nine months of 1996 was \$177 million.

U.S. coal receipts in the third quarter of 1996 reached 252 million short tons, the highest recorded quarter total (Table 20). The average price of coal delivered to both electric utilities and coke plants hit a record low of \$26.10 per short ton and \$45.39 per short ton, respectively, while the average price of coal delivered to other industrial plants was \$32.08 per short ton, the lowest level since the third quarter of 1993 (Table 21).

Coal stocks at the end of September totaled 161 million short tons, a 6.2-percent drop from the 171.6 million short tons held at the end of June (Table 45). Of total coal stocks, 127.2 million were held by consumers compared to the previously held total of 134.3 million short tons. Stock levels at electric utility plants fell to 119.5 million short tons compared to the 127.1 million short tons held on June 30th (Table 47). Coal stocks at coke plants reached their lowest level

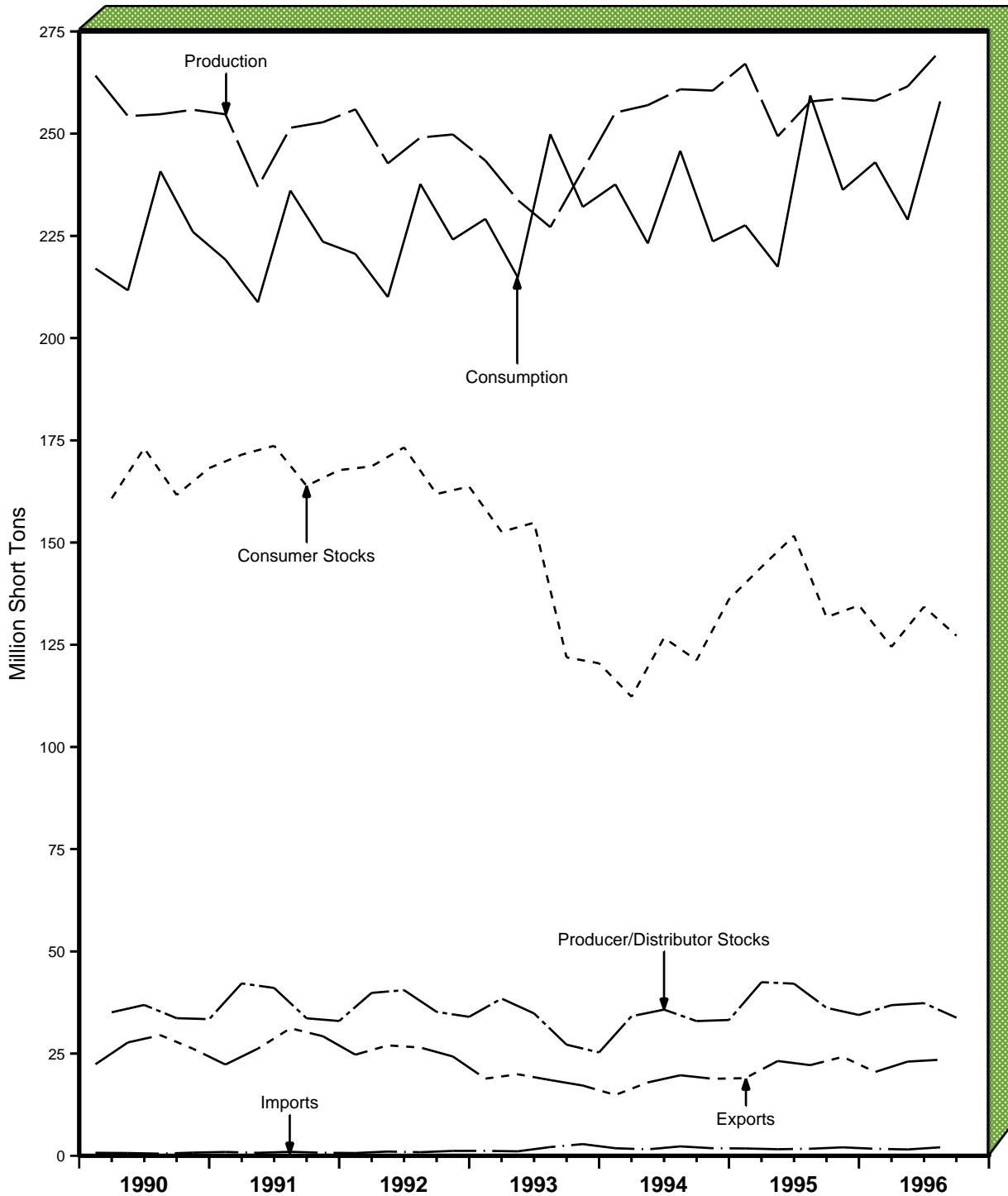


since the first quarter of 1994 at 2.4 million short tons (Table 48). Coal stocks at other industrial plants went up 16 percent over the second quarter level to 5.3 million short tons. Stocks held by coal producers/distributors amounted to 33.8 million short

tons compared with 37.4 million short tons held at the end of the previous quarter (Table 51).

Source: Energy Information Administration, *Electric Power Monthly*, December 1996, DOE/EIA-0226(96/09); *Monthly Energy Review*, December 1996, DOE/EIA-0036(96/09).

Figure 1. Quarterly U.S. Coal Production, Imports, Consumption, Exports, and Stocks, 1990-1996



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, 1990-1996**  
(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>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> .....	267,121	1,795	42,460	227,604	18,988	144,004	5,219
April - June .....	249,352	1,609	42,104	217,439	23,184	151,657	3,041
July - September .....	257,857	1,725	36,193	259,353	22,175	131,739	3,885
October - December.....	258,644	2,071	34,444	236,243	24,201	134,639	-881
<b>Total</b> .....	<b>1,032,974</b>	<b>7,201</b>		<b>940,638</b>	<b>88,547</b>		<b>11,265</b>
<b>1996 January - March</b> .....	258,056	1,713	36,851	243,018	20,516	124,493	3,975
April - June .....	261,572	1,552	37,344	228,949	23,039	134,285	851
July - September .....	270,314	2,071	33,780	257,900	23,504	127,214	-1,948
<b>Total</b> .....	<b>789,941</b>	<b>5,336</b>		<b>729,866</b>	<b>67,059</b>		<b>2,878</b>

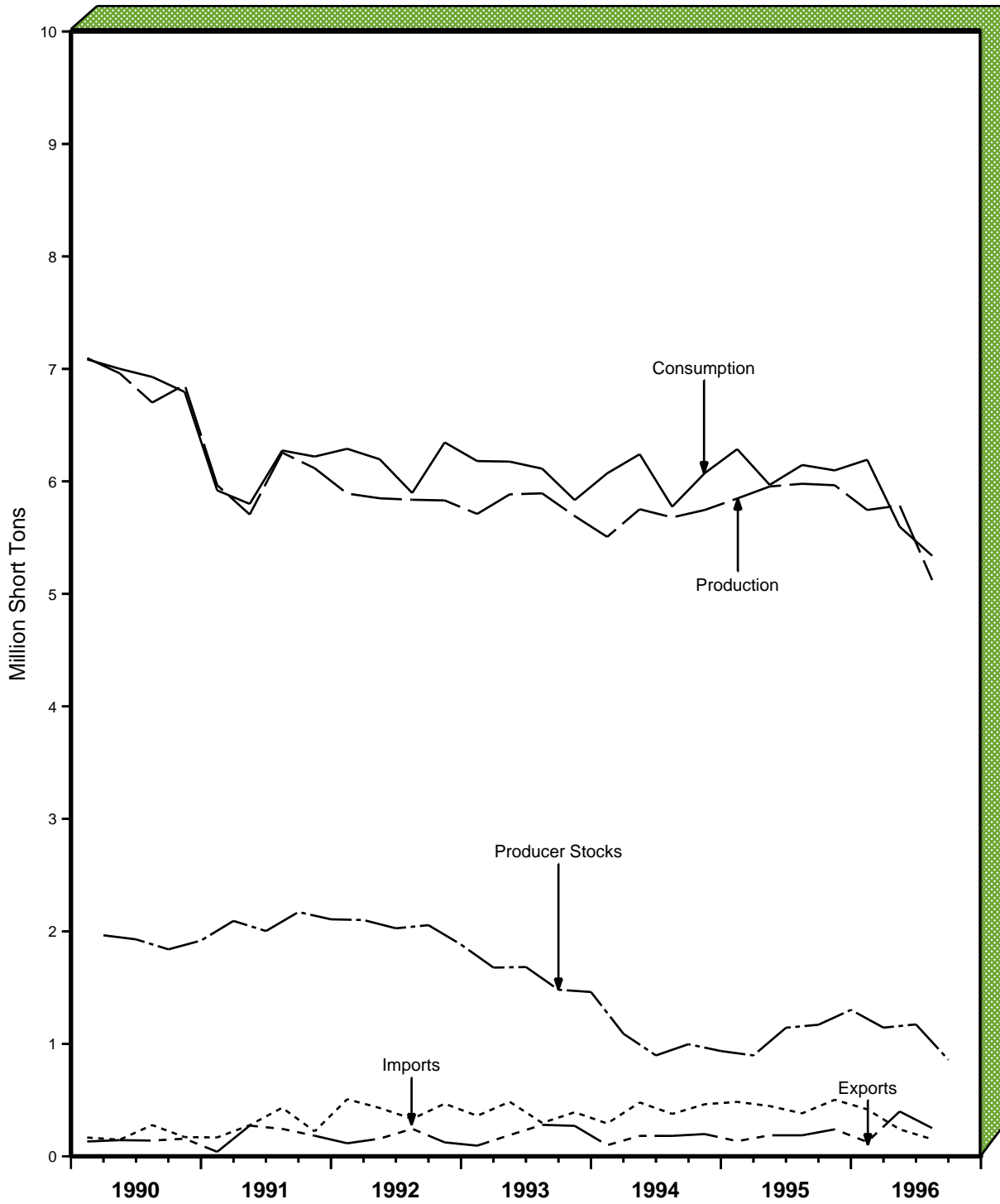
<sup>1</sup> Reported as of the last day of the quarter.

<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 1990 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. For 1990 through 1996, these excluded EIA quarterly estimated consumption data are: 400, 1500, 2500, 3086, 3785, 5200, and 6000 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, 1990-1996



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, 1990-1996**  
(Thousand Short Tons)

Year and Quarter	Production	Imports	Producer and Distributor Stocks <sup>1</sup>	Consumption <sup>2</sup>	Exports
<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
April - June .....	5,786	240	1,173	5,597	399
July - September .....	5,123	152	858	5,339	251
<b>Total</b> .....	<b>16,655</b>	<b>810</b>		<b>17,129</b>	<b>778</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

**Conrail Opts for CSX Takeover.** In mid-November, Conrail reconfirmed its intentions to accept an \$8.5 billion takeover bid from Richmond, Virginia-based CSX. Conrail now operates an 11,000 freight network in 12 States in the northeast and midwest, plus the District of Columbia and Quebec. The CSX takeover of Conrail will create one of the world's largest freight companies and create the Nation's third-biggest railroad, ranking behind Union Pacific and Burlington Northern in track mileage. The new railroad will serve the eastern half of the United States from Chicago and New Orleans to Boston, New York and Miami, have \$14 billion in revenue, and serve shippers in 22 States with a 29,645-mile rail system. The CSX offer, subject to shareholder and regulatory approval, would give Conrail's shareholders \$110 per share for up to 40 percent of Conrail's stock, with the rest of Conrail's shares being exchanged for CSX stock. CSX expects to get \$730 million in benefits from the merger, including cost savings from operating efficiencies and facility consolidations as well as new traffic volumes. Norfolk Southern (NS) had offered \$100 per share in an all-cash deal for Conrail, an offer totaling \$10 billion, but the Conrail Board of Directors rejected the NS offer, saying that the CSX offer was of more value because of its greater cost savings and revenue potential. On November 20th, a three-judge panel of the 3rd U.S. Circuit Court of Appeals in Philadelphia, Pennsylvania, upheld the prior ruling by a Federal district judge that CSX could go forward with its acquisition.

In late December, the Boards of both CSX and Conrail agreed not to discuss mergers with any other company. This agreement is to be binding through 1998. CSX also added shares of preferred stock to the deal, valued at \$16 per share. In response to this announcement, Norfolk Southern raised their offer of stock to \$115 per share. They also filed suit in U.S. District Court in Philadelphia to challenge CSX and Conrail's agreement, preventing negotiations with other parties until 1999. On January 9, 1997, the court and the Surface Transportation Board rejected this request. The court also rejected NS's request that CSX pay cash for the entire Conrail purchase, instead of 40 percent.

On January 17, 1997, Conrail Inc. shareholders rejected their board's plan to go forward with a planned merger with CSX Corp. valued at about \$9.6

billion, which could have started as soon as March. Norfolk Southern is hopeful that the board will reconsider their offer, which is valued at about \$10.4 billion. Conrail officials will attempt to convince their shareholders of the benefits of the merger with CSX Corp. and perhaps try again in February for their support.<sup>1</sup>

**Coastal Corporation Sells its Western Coal Operations.** The Coastal Corporation recently reached an agreement to sell its western coal operations, consisting of its Utah mines and a 9-percent interest in the Los Angeles Export Terminal Co., Inc., for \$615 million in cash to a joint venture formed by Atlantic Richfield Co. (ARCO) of Los Angeles and ITOCHU Corp. of Tokyo, Japan. The operations will be held in a limited liability company owned by subsidiaries of the two companies. ARCO will contribute \$400 million of the purchase price to buy a 65 percent interest in the venture, while ITOCHU will pay \$215 million for a 35 percent share. ARCO Coal Co. will manage the coal operations, consisting primarily of three underground coal mining operations, which produced almost 9 million short tons of coal in 1995. The venture is subject to various governmental approvals.<sup>2</sup>

**Final Tongue River Railroad Link Approved.** On September 24, 1996, the Federal Surface Transportation Board (STB) approved a 41-mile extension of the Tongue River Railroad (TRR) in southeastern Montana, running from Ashland south to Decker. The approved route, known as the "Four Mile Creek Alternative," requires that the railroad line be placed farther west than the Tongue River Railroad Company's preferred route. The proposed route would cut 260-320 miles off the transport of coal to the Midwest. The STB approval included four conditions: (1) the TRR is to be completed in three years; (2) developers are to submit a progress report to the STB every four months; (3) a multi-agency task force (including EPA and the U.S. Fish and Wildlife Service) is to be adopted to deal with land-use issues and mitigation measures; and (4) the STB reserved the right to reconsider the development. The construction and operation of the extension is expected to generate hundreds of new jobs and offer an opportunity to increase coal production in the area, which would generate additional mining jobs. Construction should

<sup>1</sup> *The Washington Post* (January 18, 1997) page B1 (October 24, 1996), page E1-E2 (November 7, 1996), page D1-D2 (November 7, 1996), page E1 and (November 20, 1996), page C11; *Bloomberg Business News* (November 20, 1996); *The Free Lance Star*, Fredericksburg, Virginia (October 24, 1996), page B8, (November 7, November 19), page B6 and (November 20, 1996), page C-4. *The Washington Post* (December 20, 1996), page G3 (December 31, 1996), page E1 (January 10, 1997), page G8.

<sup>2</sup> *The Wall Street Journal* (October 25, 1996), page 17; *The New York Times* (October 25, 1996), page 18; *Mining Week* (November 18, 1996), Volume 2, Issue 44.

begin in the second half of 1997 and be completed in 1999.<sup>3</sup>

**MSHA Publishes Final Rules on Underground Coal Diesel Equipment Standards.** On October 25, 1996, the Mine Safety and Health Administration (MSHA) published its final rule on underground coal diesel equipment standards. The final rule represents an integrated approach for diesel equipment approval and use. The rule sets rules for three categories of equipment: category 1-heavy duty, which must be equipped with automatic fire suppression systems and will be considered when determining mine ventilation requirements; category 2-light duty, which need only be equipped with manual suppression systems and will be excluded from ventilation calculations; and category 3-special emergency. Additional safety requirements for underground diesels include protective canopies, methane monitors, and lighting requirements. Monitoring carbon monoxide and nitrogen dioxide will be required and remedial steps will be necessary if levels are too high. Copies of the ruling are available from the MSHA Office of Standards, Regulations and Variances, 4015 Wilson Boulevard, Arlington, Virginia 22202, Telephone: (703) 235-1910.<sup>4</sup>

**Minemouth Power Projects in the PRB.** Denver-based North American Power Group announced plans to build a 200-to-250 megawatt coal-fired power plant next to ARCO Coal's Black Thunder mine in Wyoming. The plant will be fueled by waste coal, mined from lower-quality seams, that was usually bulldozed back into the pit as part of land reclamation. The Black Thunder mine, the Nation's largest coal-producing mine, produced over 38 million short tons of coal in 1995.

Other projects under consideration in the Powder River Basin include: a 260-megawatt power project involving Cogentrix Energy and the Crow Indian tribe in Montana; a 240-megawatt plant at Zeigler's North Rochelle mine in Wyoming; and an 80-megawatt plant at Black Hill's Wyodak mine in Wyoming, being planned by Calpine Corp. and Black Hills Corp.<sup>5</sup>

**Westmoreland Coal in Chapter 11.** In late December, 1996, Westmoreland Coal filed for Chapter 11 bankruptcy protection in bankruptcy court in Denver, Colorado. The company's negotiations with the United Mine Workers of America failed to produce a plan to pay \$160 million in obligations owed to current and former employees. The company said that making full payment, prescribed by a 1992 Federal law, could force it to shut-down operations and liquidate assets. The 1992 Coal Act states that coal-producing compa-

nies must contribute to a lifetime medical benefits fund for former employees. Westmoreland said that as other coal companies have gone out of business, they have had to assume the payment obligations for former employees of other companies. Westmoreland ranked 26th as a major U.S. coal producer in 1995, producing 7.6 million short tons.<sup>6</sup>

**Utah Coal Plans Changed by Wilderness Designation.** In September, 1996, President Clinton designated 1.7 million acres of Utah wilderness as a national monument. This area of land, named Kaiparowits by the Paiute Indians, contains an estimated 62 billion tons of low-sulfur "super compliance" coal, of which 11 billion short tons is considered to be recoverable. Andalex Resources, which holds leases on Kaiparowits, was ready to begin construction of a new mine on the property that was expected to produce 3 million short tons of coal per year. David Shaver, project manager for Andalex, said, "the monument designation now makes the coal mine project unfeasible." According to Lee Allison of Utah's state geological survey, "the whole industry was expecting to move into Kaiparowits." Other experts have estimated that the coal from the current mines in Utah will be depleted in 25 years, but the amount of coal in Kaiparowits is enough to keep power plants in the State burning for 400 years. Indonesia, which has tripled its coal output to 41 million tons in the last 5 years, also produces low-sulfur "super compliance" coal. This cheaply-produced coal would be very competitive with the U.S. product, not only in domestic markets, but overseas, as well.<sup>7</sup>

**Tax Credit Helps Va. Coal Industry** The 1996 Virginia General Assembly increased a tax credit for coal companies from 60 cents to \$2 per ton for coal mined from seams smaller than 33 inches and from 50 cents to \$1 per ton for coal mined from seams greater than 33 inches. The increased tax credit along with relaxation of mine reclamation rules has had a stabilizing affect on the State's coal industry, which lost nearly 8,000 mining jobs since 1984. The tax credit influenced the Pittston Coal Co. in their decision to open 2 mines in January 1997, and another in March 1997, a move that would add 230 workers to the payroll, as well as open a new preparation plant. Other Virginia coal-producing companies, such as Cumberland River Coal Co., are planning to take advantage of the tax credit as well as new remining reclamation rules by reopening abandoned strip mines. According to Dink Shackelford, Director of the Virginia Mining Association, "The rest of the country is watching what Virginia does because we're the first area in the country running out of coal."<sup>8</sup>

<sup>3</sup> *Montana Coal Council* (November 1996); *Surface Transportation Board Press Release* (November 25, 1996).

<sup>4</sup> *Mining Week* (November 11, 1996), Volume 2, Issue 43, page 2.

<sup>5</sup> *Coal Industry Annual 1995*, DOE/EIA-0584(95), Table 15; "North American plans waste coal plant in PRB," *Coal Outlook* (November 11, 1996), page 1.

<sup>6</sup> "Westmoreland Coal files for Chapter 11; Obligations are Cited," *The Wall Street Journal* (December 24, 1996), page B5; "Major U.S. Coal Producers, 1995," *Coal Industry Annual 1995*, DOE/EIA-0584(95), Table 15; (November 11, 1996), page 1.

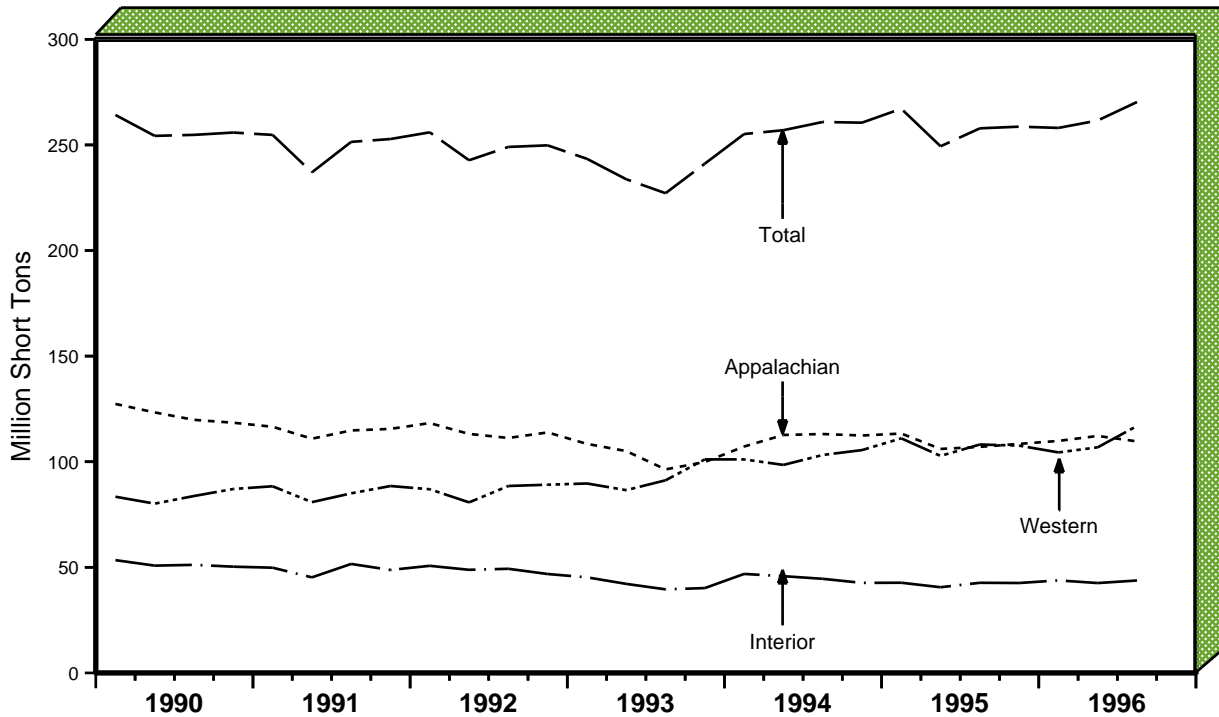
<sup>7</sup> "Set-aside of Utah coal reserve questioned," *USA Today* (December 26, 1996), page 17.

<sup>8</sup> "State's coal industry called stable," *The Free Lance-Star*, Fredericksburg, Va. (January 11, 1997).

# Production



Figure 3. U.S. Quarterly Coal Production, 1990-1996



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, 1990-1996  
(Thousand Short Tons)

Year	January - March	April - June	July - September	October - December	Year to Date
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.....	267,121	249,352	257,857	258,644	1,032,974
1996.....	258,056	261,572	270,314	NA	789,941

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	July - September 1996	April - June 1996	July - September 1995	Year to Date		
				1996	1995	Percent Change
Alabama.....	6,052	6,820	6,158	18,429	18,469	-0.2
Alaska.....	240	326	357	1,001	1,168	-14.3
Arizona.....	2,814	2,769	3,004	7,905	9,156	-13.7
Arkansas.....	5	4	7	16	23	-29.0
Colorado.....	7,397	5,567	6,181	17,876	18,981	-5.8
Illinois.....	10,680	12,569	11,455	35,534	36,650	-3.0
Indiana.....	7,994	6,836	6,196	21,255	19,812	7.3
Kansas.....	56	60	68	178	224	-20.7
Kentucky Total.....	38,048	37,023	37,660	113,018	115,129	-1.8
Eastern.....	28,711	28,512	28,694	86,093	88,652	-2.9
Western.....	9,337	8,511	8,966	26,925	26,477	1.7
Louisiana.....	911	840	983	2,496	2,850	-12.4
Maryland.....	1,040	1,057	798	3,062	2,742	11.7
Missouri.....	198	159	88	511	438	16.5
Montana.....	9,808	9,005	9,779	27,306	28,955	-5.7
New Mexico.....	6,978	5,865	6,966	18,778	20,554	-8.6
North Dakota.....	7,542	6,825	7,541	22,200	22,611	-1.8
Ohio.....	6,684	7,146	6,165	20,968	18,840	11.3
Oklahoma.....	431	433	519	1,332	1,366	-2.5
Pennsylvania Total.....	16,317	16,588	15,224	50,529	46,203	9.4
Anthracite.....	1,126	1,027	1,228	3,133	3,503	-10.6
Bituminous.....	15,190	15,561	13,997	47,396	42,700	11.0
Tennessee.....	875	928	770	2,658	2,425	9.6
Texas.....	14,152	13,134	14,399	41,872	38,113	9.9
Utah.....	6,642	7,244	6,315	20,904	18,722	11.7
Virginia.....	8,546	8,834	8,628	26,548	25,816	2.8
Washington.....	1,310	1,229	1,318	3,480	3,548	-1.9
West Virginia Total.....	41,401	42,322	40,584	123,392	123,265	.1
Northern.....	10,895	11,305	11,262	33,068	34,820	-5.0
Southern.....	30,506	31,017	29,322	90,324	88,446	2.1
Wyoming.....	74,193	67,988	66,691	208,693	198,268	5.3
<b>Appalachian Total.....</b>	<b>109,626</b>	<b>112,207</b>	<b>107,022</b>	<b>331,680</b>	<b>326,412</b>	<b>1.6</b>
<b>Interior Total.....</b>	<b>43,764</b>	<b>42,546</b>	<b>42,683</b>	<b>130,119</b>	<b>125,953</b>	<b>3.3</b>
<b>Western Total.....</b>	<b>116,924</b>	<b>106,818</b>	<b>108,153</b>	<b>328,143</b>	<b>321,965</b>	<b>1.9</b>
<b>East of the Miss. River.....</b>	<b>137,637</b>	<b>140,123</b>	<b>133,639</b>	<b>415,393</b>	<b>409,351</b>	<b>1.5</b>
<b>West of the Miss. River.....</b>	<b>132,676</b>	<b>121,448</b>	<b>124,218</b>	<b>374,548</b>	<b>364,979</b>	<b>2.6</b>
<b>U.S. Total.....</b>	<b>270,314</b>	<b>261,572</b>	<b>257,857</b>	<b>789,941</b>	<b>774,330</b>	<b>2.0</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)

	July - September 1996	April - June 1996	July - September 1995	Year to Date		
				1996	1995	Percent Change
<b>Coke Total</b> .....	5,123	5,786	5,979	16,655	17,782	-6.3
<b>By State</b>						
Alabama .....	617	615	622	1,840	1,853	-7
Illinois .....	w	w	w	w	w	w
Indiana .....	487	1,120	1,149	2,753	3,374	-18.4
Kentucky .....	w	w	w	w	w	w
Michigan .....	w	w	w	w	w	w
New York .....	w	w	w	w	w	w
Ohio .....	343	341	498	1,026	1,548	-33.7
Pennsylvania .....	1,962	1,918	1,959	5,770	5,811	-7
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 .....	630	773	814	2,179	2,424	-10.1
Furnace Coke Plants	4,493	5,013	5,165	14,476	15,358	-5.7
<b>Breeze Total</b> .....	315	367	369	1,048	1,095	-4.3

<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, 1990-1996**  
(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
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	23,039	1,552	23,504	2,071	NA	NA	67,059	5,336

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, 1990-1996**  
(Dollars per Short Ton)

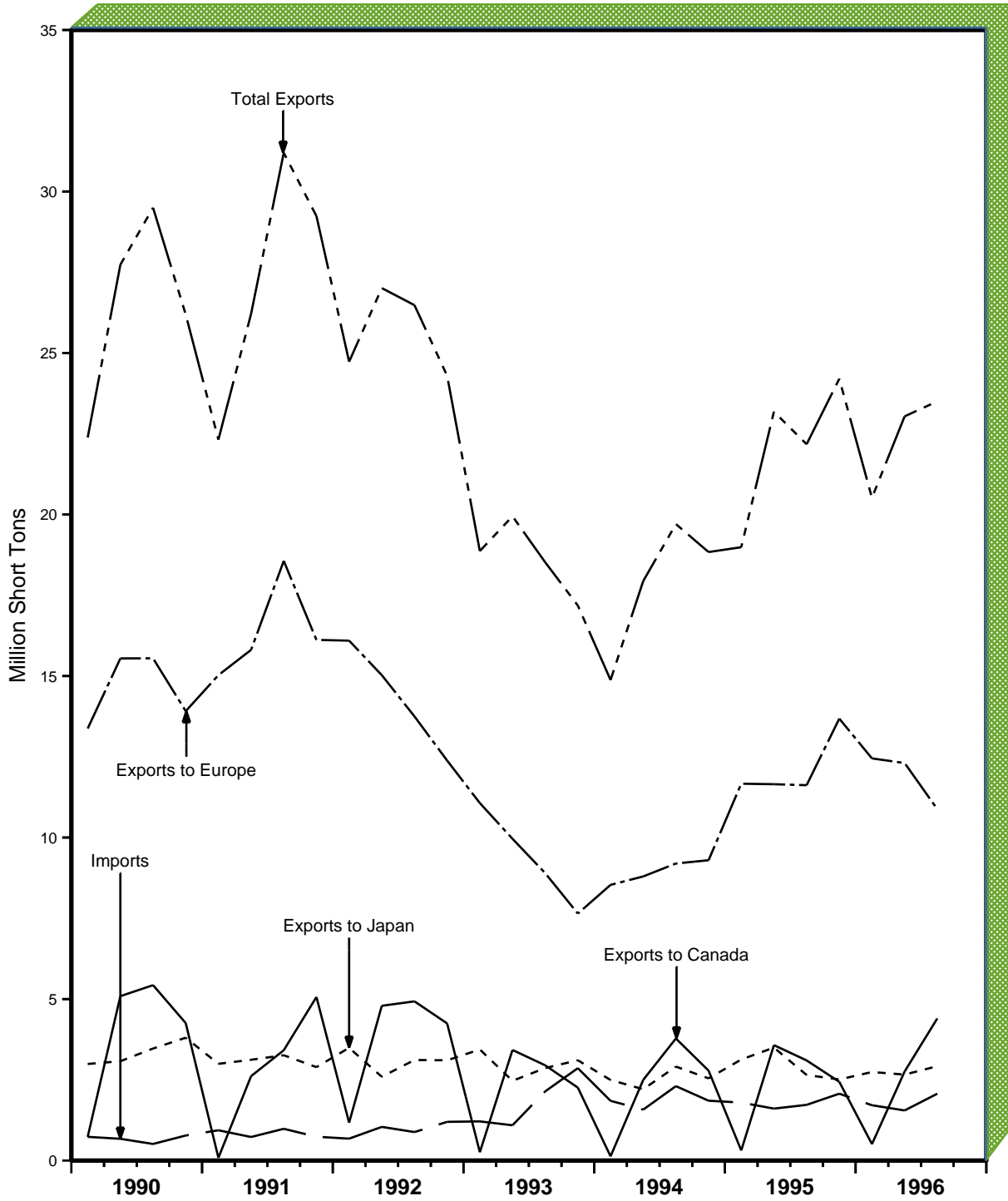
Year	January - March		April - June		July - September		October - December		Total	
	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports
1990.....	\$43.23	\$35.07	\$42.51	\$33.67	\$42.22	\$32.05	\$42.68	\$36.14	\$42.63	\$34.45
1991.....	44.58	33.71	42.97	34.60	41.51	31.45	41.15	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	40.78	32.46	40.53	33.19	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, 1990-1996



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	July - September 1996	April - June 1996	July - September 1995	Year to date		
				1996	1995	Percent Change
<b>North America Total</b> .....	<b>4,934,819</b>	<b>2,944,043</b>	<b>3,346,745</b>	<b>8,615,321</b>	<b>7,435,035</b>	<b>15.9</b>
Canada <sup>1</sup> .....	4,401,613	2,757,825	3,101,305	7,669,604	6,989,592	9.7
Jamaica.....	5,965	—	70,286	15,683	82,721	-81.0
Mexico.....	525,035	165,745	155,085	907,106	335,918	170.0
Other <sup>2</sup> .....	2,206	20,473	20,069	22,928	26,804	-14.5
<b>South America Total</b> .....	<b>1,866,610</b>	<b>2,036,962</b>	<b>1,911,298</b>	<b>5,475,735</b>	<b>5,015,417</b>	<b>9.2</b>
Argentina.....	74,980	139,781	1,084	255,234	203,749	25.3
Brazil.....	1,667,848	1,734,086	1,832,213	4,773,248	4,697,685	1.6
Chile.....	98,277	159,631	75,510	408,511	75,847	438.6
Other <sup>2</sup> .....	25,505	3,464	2,491	38,742	38,136	1.6
<b>Europe Total</b> .....	<b>10,876,571</b>	<b>12,306,812</b>	<b>11,620,611</b>	<b>35,633,716</b>	<b>34,939,365</b>	<b>2.0</b>
Belgium & Luxembourg.....	954,285	1,200,431	966,102	3,586,634	3,083,728	16.3
Bulgaria.....	279,605	402,366	225,940	1,049,912	899,656	16.7
Denmark.....	328,733	302,566	613,961	1,062,467	1,880,159	-43.5
Finland.....	325,345	262,426	315,258	639,086	616,200	3.7
France.....	685,029	939,913	678,642	2,662,954	2,397,208	11.1
Germany, FR.....	129,403	308,624	288,463	797,021	1,116,030	-28.6
Ireland.....	265,028	—	—	511,684	539,627	-5.2
Italy.....	1,692,061	2,613,976	2,170,536	7,108,228	6,953,792	2.2
Netherlands.....	1,932,747	1,609,742	1,639,900	5,604,802	5,340,323	5.0
Norway.....	23,937	17,843	22,045	56,408	79,241	-28.8
Portugal.....	574,012	260,448	503,178	1,088,995	1,240,328	-12.2
Romania.....	435,664	390,811	656,140	1,122,172	1,617,122	-30.6
Spain.....	934,866	1,283,497	1,357,531	3,128,608	3,797,219	-17.6
Sweden.....	324,701	210,413	324,632	692,604	737,853	-6.1
Turkey.....	504,709	638,039	495,503	1,636,331	1,355,274	20.7
United Kingdom.....	1,470,332	1,659,447	1,347,423	4,640,963	3,255,175	42.6
Other <sup>2</sup> .....	16,114	206,270	15,357	244,847	30,430	(3)
<b>Asia Total</b> .....	<b>4,679,607</b>	<b>4,521,750</b>	<b>4,354,734</b>	<b>13,782,281</b>	<b>14,698,701</b>	<b>-6.2</b>
China (Taiwan).....	698,743	651,363	623,824	1,940,334	2,007,274	-3.3
Israel.....	316,449	255,614	140,529	819,230	512,290	59.9
Japan.....	2,921,701	2,661,918	2,650,358	8,325,113	9,276,169	-10.3
Korea, Republic of.....	738,229	939,750	938,317	2,662,877	2,901,011	-8.2
Other <sup>2</sup> .....	4,485	13,105	1,706	34,727	1,957	(3)
<b>Oceania &amp; Australia Total</b> .....	<b>204</b>	<b>101</b>	<b>122</b>	<b>305</b>	<b>197</b>	<b>54.8</b>
<b>Africa Total</b> .....	<b>1,145,987</b>	<b>1,229,452</b>	<b>941,002</b>	<b>3,551,186</b>	<b>2,257,391</b>	<b>57.3</b>
Algeria.....	—	54,997	110,024	114,909	165,097	-30.4
Egypt.....	248,321	254,299	335,409	792,370	809,764	-2.1
Morocco.....	312,228	670,214	331,374	1,507,647	754,303	99.9
South Africa, Rep of.....	585,438	249,942	164,195	1,136,260	528,227	115.1
<b>Total</b> .....	<b>23,503,798</b>	<b>23,039,120</b>	<b>22,174,512</b>	<b>67,058,544</b>	<b>64,346,106</b>	<b>4.2</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> 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	July - September 1996	April - June 1996	July - September 1995	Year to date		
				1996	1995	Percent Change
<b>North America Total</b> .....	<b>\$33.29</b>	<b>\$33.61</b>	<b>\$34.96</b>	<b>\$33.76</b>	<b>\$34.04</b>	<b>-0.8</b>
Canada <sup>1</sup> .....	32.78	32.84	34.75	32.97	33.62	-1.9
Jamaica.....	30.50	-	32.38	33.52	32.67	2.6
Mexico.....	37.52	46.03	39.88	40.38	43.17	-6.5
Other <sup>2</sup> .....	38.84	39.59	39.31	39.52	38.23	3.4
<b>South America Total</b> .....	<b>44.28</b>	<b>43.85</b>	<b>44.23</b>	<b>43.89</b>	<b>43.39</b>	<b>1.2</b>
Argentina.....	39.14	47.12	34.46	45.48	44.15	3.0
Brazil.....	44.93	44.53	44.71	44.69	43.50	2.7
Chile.....	34.49	32.45	32.95	32.57	32.95	-1.2
Other <sup>2</sup> .....	39.97	40.76	38.84	38.10	45.97	-17.1
<b>Europe Total</b> .....	<b>42.45</b>	<b>42.04</b>	<b>41.82</b>	<b>42.08</b>	<b>40.96</b>	<b>2.7</b>
Belgium & Luxembourg.....	45.26	45.48	46.09	45.85	43.71	4.9
Bulgaria.....	43.96	45.36	44.15	43.78	43.77	*
Denmark.....	28.08	29.45	27.37	29.35	29.40	-2
Finland.....	41.33	44.39	41.07	42.90	40.94	4.8
France.....	47.58	45.74	44.32	44.92	44.66	.6
Germany, FR.....	45.29	35.86	42.41	37.74	35.49	6.3
Ireland.....	37.53	-	-	37.33	35.93	3.9
Italy.....	47.13	44.14	45.03	44.94	43.79	2.6
Netherlands.....	40.75	41.03	44.39	41.06	42.18	-2.7
Norway.....	58.75	57.98	56.29	-	-	3.2
Portugal.....	36.03	39.00	37.04	36.75	37.01	-7
Romania.....	51.96	45.93	42.49	48.19	42.80	12.6
Spain.....	36.78	35.12	35.79	36.69	34.21	7.3
Sweden.....	48.72	44.76	48.25	47.39	47.17	.5
Turkey.....	45.02	45.23	45.12	44.96	42.88	4.9
United Kingdom.....	39.37	41.10	39.41	39.54	41.98	-5.8
Other <sup>2</sup> .....	57.64	35.92	56.12	39.28	-	-30.0
<b>Asia Total</b> .....	<b>39.68</b>	<b>38.75</b>	<b>40.41</b>	<b>39.69</b>	<b>38.86</b>	<b>2.1</b>
China (Taiwan).....	37.24	35.43	37.45	36.79	36.63	.4
Israel.....	36.95	36.28	40.91	36.12	35.94	.5
Japan.....	39.28	38.27	40.46	39.36	38.91	1.2
Korea, Republic of.....	44.73	42.86	42.20	43.86	40.75	7.6
Other <sup>2</sup> .....	40.80	57.28	29.31	49.35	29.70	66.2
<b>Oceania &amp; Australia Total</b> .....	<b>40.62</b>	<b>40.90</b>	<b>39.87</b>	<b>40.71</b>	<b>39.87</b>	<b>2.1</b>
<b>Africa Total</b> .....	<b>45.59</b>	<b>42.24</b>	<b>44.41</b>	<b>43.86</b>	<b>43.25</b>	<b>1.4</b>
Algeria.....	-	48.56	48.03	49.70	47.16	5.4
Egypt.....	51.90	55.74	52.05	-	49.63	8.5
Morocco.....	32.39	33.98	33.20	33.78	33.25	1.6
South Africa, Rep of.....	49.95	49.26	49.00	49.67	46.52	6.8
<b>Total<sup>3</sup></b> .....	<b>40.30</b>	<b>40.53</b>	<b>40.86</b>	<b>40.80</b>	<b>39.98</b>	<b>2.0</b>
<b>U.S. Total<sup>4</sup></b> .....	<b>40.53</b>	<b>40.78</b>	<b>40.99</b>	<b>41.00</b>	<b>40.17</b>	<b>2.1</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> 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.

\* Rounded to zero

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	July - September 1996	April - June 1996	July - September 1995	Year to date		
				1996	1995	Percent Change
<b>North America Total</b> .....	<b>2,257,213</b>	<b>1,382,042</b>	<b>1,577,789</b>	<b>3,990,634</b>	<b>4,052,990</b>	<b>-1.5</b>
Canada <sup>1</sup> .....	1,814,403	1,319,290	1,401,141	3,381,848	3,824,694	-11.6
Jamaica.....	5,965	-	70,286	15,683	82,721	-81.0
Mexico.....	434,639	42,279	86,293	570,175	118,771	380.1
Other <sup>2</sup> .....	2,206	20,473	20,069	22,928	26,804	-14.5
<b>South America Total</b> .....	<b>164,259</b>	<b>203,078</b>	<b>79,635</b>	<b>464,360</b>	<b>122,288</b>	<b>279.7</b>
Argentina.....	2,156	75	1,084	2,582	4,424	-41.6
Brazil.....	38,321	39,908	550	92,371	3,881	(3)
Chile.....	98,277	159,631	75,510	330,862	75,847	336.2
Other <sup>2</sup> .....	25,505	3,464	2,491	38,545	38,136	1.1
<b>Europe Total</b> .....	<b>4,375,827</b>	<b>4,915,303</b>	<b>4,615,738</b>	<b>14,461,485</b>	<b>14,586,255</b>	<b>-9</b>
Belgium & Luxembourg.....	292,279	272,992	130,384	807,282	646,686	24.8
Bulgaria.....	-	118,515	-	118,515	-	-
Denmark.....	328,733	302,566	613,961	1,062,467	1,880,159	-43.5
Finland.....	99,542	-	131,344	99,542	131,344	-24.2
France.....	-	149,329	78,327	485,515	92,392	425.5
Germany, FR.....	38,540	202,475	257,423	517,022	1,001,705	-48.4
Ireland.....	265,028	-	-	511,684	539,627	-5.2
Italy.....	586,527	1,307,053	967,078	3,102,619	3,448,128	-10.0
Netherlands.....	1,017,131	673,667	575,113	2,555,162	2,284,672	11.8
Norway.....	6,876	4,608	-	11,484	3,687	211.5
Portugal.....	501,190	226,947	503,178	982,672	1,240,328	-20.8
Romania.....	-	-	-	-	299,059	-
Spain.....	527,710	726,795	732,422	1,624,060	2,082,524	-22.0
Sweden.....	9,588	67,576	8,613	77,164	8,613	(3)
Turkey.....	14,458	2,615	174	139,410	634	(3)
United Kingdom.....	687,889	669,791	617,701	2,176,177	926,677	134.8
Other <sup>2</sup> .....	336	190,374	20	190,710	20	(3)
<b>Asia Total</b> .....	<b>2,442,652</b>	<b>2,818,189</b>	<b>1,854,090</b>	<b>7,282,458</b>	<b>6,042,393</b>	<b>20.5</b>
China (Taiwan).....	574,747	651,363	513,819	1,680,206	1,768,678	-5.0
Israel.....	185,698	255,614	-	688,479	371,761	85.2
Japan.....	1,519,808	1,530,380	1,017,215	4,132,164	2,954,054	39.9
Korea, Republic of.....	157,914	379,301	321,350	770,429	945,943	-18.6
Other <sup>2</sup> .....	4,485	1,531	1,706	11,180	1,957	471.3
<b>Oceania &amp; Australia Total</b> .....	<b>204</b>	<b>101</b>	<b>122</b>	<b>305</b>	<b>197</b>	<b>54.8</b>
<b>Africa Total</b> .....	<b>275,649</b>	<b>670,214</b>	<b>332,667</b>	<b>1,471,978</b>	<b>755,900</b>	<b>94.7</b>
Egypt.....	-	-	1,244	910	1,244	-26.8
Morocco.....	275,649	670,214	331,374	1,471,068	754,303	95.0
South Africa, Rep of.....	-	-	49	-	353	-
<b>Total</b> .....	<b>9,515,804</b>	<b>9,988,927</b>	<b>8,460,041</b>	<b>27,671,220</b>	<b>25,560,023</b>	<b>8.3</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> 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.

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	July - September 1996	April - June 1996	July - September 1995	Year to date		
				1996	1995	Percent Change
<b>North America Total</b> .....	<b>\$29.66</b>	<b>\$28.49</b>	<b>\$31.03</b>	<b>\$29.73</b>	<b>\$30.86</b>	<b>-3.6</b>
Canada <sup>1</sup> .....	28.08	28.12	30.52	28.48	30.61	-6.9
Jamaica.....	30.50	-	32.38	33.52	32.67	2.6
Mexico.....	35.69	35.58	35.96	36.26	36.72	-1.2
Other <sup>2</sup> .....	38.84	39.59	39.31	39.52	38.23	3.4
<b>South America Total</b> .....	<b>37.15</b>	<b>34.22</b>	<b>33.20</b>	<b>35.48</b>	<b>36.72</b>	<b>-3.4</b>
Argentina.....	39.14	-	34.46	39.14	34.45	13.6
Brazil.....	41.97	39.03	39.85	40.57	39.85	1.8
Chile.....	34.49	32.45	32.95	33.26	32.95	.9
Other <sup>2</sup> .....	39.97	40.76	38.84	38.04	45.97	-17.3
<b>Europe Total</b> .....	<b>33.42</b>	<b>33.61</b>	<b>34.00</b>	<b>33.76</b>	<b>34.26</b>	<b>-1.5</b>
Belgium & Luxembourg.....	37.89	35.48	38.56	36.86	35.90	2.7
Bulgaria.....	-	49.12	-	49.12	-	-
Denmark.....	28.08	29.45	27.37	29.35	29.40	-2
Finland.....	35.83	-	35.47	35.83	35.47	1.0
France.....	-	39.15	34.47	36.48	35.54	2.6
Germany, FR.....	37.72	29.07	41.77	31.92	34.26	-6.8
Ireland.....	37.53	-	-	37.33	35.93	3.9
Italy.....	42.77	41.32	42.11	41.54	41.33	.5
Netherlands.....	33.81	31.25	38.50	32.90	36.83	-10.7
Portugal.....	34.74	37.90	37.04	35.81	37.01	-3.2
Romania.....	-	-	-	-	39.08	-
Spain.....	23.81	21.64	21.36	22.26	21.48	3.6
Sweden.....	48.53	37.54	48.54	38.91	48.54	-19.8
Turkey.....	34.98	40.17	39.79	41.28	39.83	3.7
United Kingdom.....	28.31	28.94	28.90	28.85	30.40	-5.1
Other <sup>2</sup> .....	40.82	34.11	-	34.12	-	-
<b>Asia Total</b> .....	<b>36.20</b>	<b>35.97</b>	<b>35.29</b>	<b>35.95</b>	<b>34.36</b>	<b>4.6</b>
China (Taiwan).....	35.40	35.43	35.92	35.39	35.71	-9
Israel.....	34.15	36.28	-	35.21	34.07	3.3
Japan.....	36.86	36.27	35.95	36.42	34.77	4.7
Korea, Republic of.....	35.08	35.50	32.19	35.30	30.67	15.1
Other <sup>2</sup> .....	40.80	40.40	29.31	38.21	29.70	28.7
<b>Oceania &amp; Australia Total</b> .....	<b>40.62</b>	<b>40.90</b>	<b>39.87</b>	<b>40.71</b>	<b>39.87</b>	<b>2.1</b>
<b>Africa Total</b> .....	<b>32.67</b>	<b>33.98</b>	<b>33.22</b>	<b>33.87</b>	<b>33.26</b>	<b>1.8</b>
Egypt.....	-	-	40.79	40.78	40.79	*
Morocco.....	32.67	33.98	33.20	33.87	33.25	1.9
South Africa, Rep of.....	-	-	-	-	39.80	-
<b>Total</b> <sup>3</sup> .....	<b>33.35</b>	<b>33.70</b>	<b>33.74</b>	<b>33.85</b>	<b>33.77</b>	<b>.3</b>
<b>U.S. Total</b> <sup>4</sup> .....	<b>33.85</b>	<b>34.32</b>	<b>34.26</b>	<b>34.34</b>	<b>34.28</b>	<b>.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.

\* Rounded to zero

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	July - September 1996	April - June 1996	July - September 1995	Year to date		
				1996	1995	Percent Change
<b>North America Total</b> .....	<b>2,677,606</b>	<b>1,562,001</b>	<b>1,768,956</b>	<b>4,624,687</b>	<b>3,382,045</b>	<b>36.7</b>
Canada <sup>1</sup> .....	2,587,210	1,438,535	1,700,164	4,287,756	3,164,898	35.5
Mexico.....	90,396	123,466	68,792	336,931	217,147	55.2
<b>South America Total</b> .....	<b>1,702,351</b>	<b>1,833,884</b>	<b>1,831,663</b>	<b>5,011,375</b>	<b>4,893,129</b>	<b>2.4</b>
Argentina.....	72,824	139,706	—	252,652	199,325	26.8
Brazil.....	1,629,527	1,694,178	1,831,663	4,680,877	4,693,804	-3
Chile.....	—	—	—	77,649	—	—
Other <sup>2</sup> .....	—	—	—	197	—	—
<b>Europe Total</b> .....	<b>6,500,744</b>	<b>7,391,509</b>	<b>7,004,873</b>	<b>21,172,231</b>	<b>20,353,110</b>	<b>4.0</b>
Belgium & Luxembourg.....	662,006	927,439	835,718	2,779,352	2,437,042	14.0
Bulgaria.....	279,605	283,851	225,940	931,397	899,656	3.5
Finland.....	225,803	262,426	183,914	539,544	484,856	11.3
France.....	685,029	790,584	600,315	2,177,439	2,304,816	-5.5
Germany, FR.....	90,863	106,149	31,040	279,999	114,325	144.9
Italy.....	1,105,534	1,306,923	1,203,458	4,005,609	3,505,664	14.3
Netherlands.....	915,616	936,075	1,064,787	3,049,640	3,055,651	-2
Norway.....	17,061	13,235	22,045	44,924	75,554	-40.5
Portugal.....	72,822	33,501	—	106,323	—	—
Romania.....	435,664	390,811	656,140	1,122,172	1,318,063	-14.9
Spain.....	407,156	556,702	625,109	1,504,548	1,714,695	-12.3
Sweden.....	315,113	142,837	316,019	615,440	729,240	-15.6
Turkey.....	490,251	635,424	495,329	1,496,921	1,354,640	10.5
United Kingdom.....	782,443	989,656	729,722	2,464,786	2,328,498	5.9
Other <sup>2</sup> .....	15,778	15,896	15,337	54,137	30,410	78.0
<b>Asia Total</b> .....	<b>2,236,955</b>	<b>1,703,561</b>	<b>2,500,644</b>	<b>6,499,823</b>	<b>8,656,308</b>	<b>-24.9</b>
China (Taiwan).....	123,996	—	110,005	260,128	238,596	9.0
Israel.....	130,751	—	140,529	130,751	140,529	-7.0
Japan.....	1,401,893	1,131,538	1,633,143	4,192,949	6,322,115	-33.7
Korea, Republic of.....	580,315	560,449	616,967	1,892,448	1,955,068	-3.2
Other <sup>2</sup> .....	—	11,574	—	23,547	—	—
<b>Africa Total</b> .....	<b>870,338</b>	<b>559,238</b>	<b>608,335</b>	<b>2,079,208</b>	<b>1,501,491</b>	<b>38.5</b>
Algeria.....	—	54,997	110,024	114,909	165,097	-30.4
Egypt.....	248,321	254,299	334,165	791,460	808,520	-2.1
Morocco.....	36,579	—	—	36,579	—	—
South Africa, Rep of.....	585,438	249,942	164,146	1,136,260	527,874	115.3
<b>Total</b> .....	<b>13,987,994</b>	<b>13,050,193</b>	<b>13,714,471</b>	<b>39,387,324</b>	<b>38,786,083</b>	<b>1.6</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	July - September 1996	April - June 1996	July - September 1995	Year to date		
				1996	1995	Percent Change
<b>North America Total</b> .....	<b>\$36.14</b>	<b>\$37.52</b>	<b>\$38.10</b>	<b>\$36.87</b>	<b>\$37.50</b>	<b>-1.7</b>
Canada <sup>1</sup> .....	35.79	36.59	37.84	36.10	36.93	-2.3
Mexico.....	47.15	48.31	44.31	47.00	45.83	2.5
<b>South America Total</b> .....	<b>45.00</b>	<b>44.75</b>	<b>44.71</b>	<b>44.56</b>	<b>43.54</b>	<b>2.3</b>
Argentina.....	-	47.12	-	45.61	44.36	2.8
Brazil.....	45.00	44.66	44.71	44.78	43.51	2.9
Chile.....	-	-	-	30.26	-	-
<b>Europe Total</b> .....	<b>48.41</b>	<b>47.56</b>	<b>46.84</b>	<b>47.70</b>	<b>45.72</b>	<b>4.3</b>
Belgium & Luxembourg.....	48.51	48.42	47.26	48.47	45.78	5.9
Bulgaria.....	43.96	43.79	44.15	43.10	43.77	-1.5
Finland.....	43.76	44.39	45.06	44.21	42.42	4.2
France.....	47.58	46.99	45.61	46.81	45.02	4.0
Germany, FR.....	48.49	48.83	47.72	48.48	46.27	4.8
Italy.....	49.45	46.95	47.38	47.58	46.21	3.0
Netherlands.....	48.46	48.07	47.58	47.89	46.16	3.7
Norway.....	58.75	57.98	56.29	-	-	3.2
Portugal.....	44.91	46.45	-	45.39	-	-
Romania.....	51.96	45.93	42.49	48.19	43.64	10.4
Spain.....	50.85	50.74	49.86	-	48.54	4.4
Sweden.....	48.72	48.17	48.24	48.45	47.15	2.8
Turkey.....	45.32	45.26	45.12	45.31	42.88	5.7
United Kingdom.....	49.09	49.34	48.31	48.98	46.60	5.1
Other <sup>2</sup> .....	58.00	57.62	56.12	-	-	2.3
<b>Asia Total</b> .....	<b>43.47</b>	<b>43.36</b>	<b>44.22</b>	<b>43.90</b>	<b>42.00</b>	<b>4.5</b>
China (Taiwan).....	45.76	-	44.60	45.85	43.45	5.5
Israel.....	40.91	-	40.91	40.91	40.91	*
Japan.....	41.90	40.97	43.27	42.27	40.85	3.5
Korea, Republic of.....	47.35	47.85	47.41	47.34	45.62	3.8
Other <sup>2</sup> .....	-	59.36	-	-	-	-
<b>Africa Total</b> .....	<b>49.68</b>	<b>52.14</b>	<b>50.52</b>	<b>-</b>	<b>48.27</b>	<b>5.5</b>
Algeria.....	-	48.56	48.03	49.70	47.16	5.4
Egypt.....	51.90	55.74	52.09	-	49.64	8.5
Morocco.....	30.30	-	-	30.30	-	-
South Africa, Rep of.....	49.95	49.26	49.00	49.67	46.52	6.8
<b>Total</b> <sup>3</sup> .....	<b>44.94</b>	<b>45.61</b>	<b>45.11</b>	<b>45.57</b>	<b>43.99</b>	<b>3.6</b>
<b>U.S. Total</b> <sup>4</sup> .....	<b>45.08</b>	<b>45.73</b>	<b>45.15</b>	<b>45.67</b>	<b>44.05</b>	<b>3.7</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.

\* Rounded to zero

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	July - September 1996	April - June 1996	July - September 1995	Year to date		
				1996	1995	Percent Change
<b>Eastern Total</b> .....	<b>13,916,618</b>	<b>14,879,812</b>	<b>12,658,358</b>	<b>43,613,423</b>	<b>39,423,992</b>	<b>10.6</b>
Baltimore, MD.....	2,480,499	3,285,043	1,348,157	8,729,278	6,994,558	24.8
Portland, ME.....	17	-	57,099	83	57,273	-99.9
Buffalo, NY.....	764,673	693,294	518,798	1,552,309	910,389	70.5
New York City, NY.....	724	658	226	6,076	86,939	-93.0
Ogdensburg, NY.....	17,836	17,320	77,468	64,972	119,908	-45.8
Philadelphia, PA.....	134,930	139,337	143,342	274,622	231,363	18.7
Norfolk, VA.....	10,517,615	10,744,160	10,513,246	32,985,542	31,023,511	6.3
St. Albans, VT.....	324	-	22	541	51	(1)
<b>Southern Total</b> .....	<b>4,189,617</b>	<b>4,075,453</b>	<b>5,218,100</b>	<b>12,263,450</b>	<b>14,640,637</b>	<b>-16.2</b>
Mobile, AL.....	1,685,247	1,506,940	1,969,728	4,585,011	6,115,574	-25.0
Savannah, GA.....	-	-	1,114	-	3,825	-
Miami, FL.....	-	-	20	-	189	-
Tampa, FL.....	-	-	560	-	1,102	-
New Orleans, LA.....	1,958,956	2,439,685	2,968,421	6,799,552	7,987,188	-14.9
Wilmington, NC.....	-	-	-	8	-	-
San Juan, PR.....	-	-	22	442	85	420.0
Charleston, SC.....	39,998	40,780	168,626	130,067	305,699	-57.5
El Paso, TX.....	-	-	427	-	427	-
Houston-Galveston, TX.....	60,575	45,769	25,869	167,993	112,067	49.9
Laredo, TX.....	444,841	42,279	83,313	580,377	114,481	407.0
<b>Western Total</b> .....	<b>1,825,209</b>	<b>2,090,392</b>	<b>1,513,145</b>	<b>5,223,894</b>	<b>4,133,105</b>	<b>26.4</b>
Anchorage, AK.....	153,367	155,599	188,873	483,711	591,237	-18.2
Los Angeles, CA.....	1,623,438	1,896,888	1,296,801	4,592,470	3,440,147	33.5
San Diego, CA.....	-	-	-	-	69	-
San Francisco, CA.....	-	-	-	644	374	72.2
Great Falls, MT.....	133	106	271	361	271	33.2
Seattle, WA.....	48,271	37,799	27,200	146,708	101,007	45.2
<b>Northern Total</b> .....	<b>3,568,046</b>	<b>1,987,881</b>	<b>2,781,614</b>	<b>5,919,208</b>	<b>6,130,219</b>	<b>-3.4</b>
Detroit, MI.....	1,365,472	609,505	463,042	2,074,667	1,425,472	45.5
Duluth, MN.....	115,494	81,675	122,780	197,169	210,175	-6.2
Pembina, ND.....	154	340	18	494	18,715	-97.4
Cleveland, OH.....	2,086,926	1,296,361	2,195,774	3,646,878	4,475,857	-18.5
<b>Other Ports</b> .....	<b>4,308</b>	<b>5,582</b>	<b>3,295</b>	<b>38,569</b>	<b>18,153</b>	<b>112.5</b>
<b>Total</b> .....	<b>23,503,798</b>	<b>23,039,120</b>	<b>22,174,512</b>	<b>67,058,544</b>	<b>64,346,106</b>	<b>4.2</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	July - September 1996	April - June 1996	July - September 1995	Year to date		
				1996	1995	Percent Change
<b>North America Total</b> .....	<b>155,532</b>	<b>235,146</b>	<b>174,976</b>	<b>434,712</b>	<b>429,339</b>	<b>1.3</b>
Canada <sup>1</sup> .....	125,240	178,629	156,938	325,317	380,865	-14.6
Mexico.....	29,205	50,349	15,537	93,663	43,811	113.8
Other <sup>2</sup> .....	1,087	6,168	2,501	15,732	4,663	237.4
<b>South America Total</b> .....	<b>115</b>	<b>27,472</b>	<b>-</b>	<b>27,587</b>	<b>61,604</b>	<b>-55.2</b>
<b>Europe Total</b> .....	<b>94,973</b>	<b>136,780</b>	<b>11,660</b>	<b>316,176</b>	<b>18,467</b>	<b>(3)</b>
Romania.....	82,940	84,379	-	167,319	-	-
Other <sup>2</sup> .....	12,033	52,401	11,660	148,857	18,467	(3)
<b>Asia Total</b> .....	<b>-</b>	<b>-</b>	<b>84</b>	<b>-</b>	<b>84</b>	<b>-</b>
<b>Oceania &amp; Australia Total</b> .....	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>37</b>	<b>-</b>
<b>Total</b> .....	<b>250,620</b>	<b>399,398</b>	<b>186,720</b>	<b>778,475</b>	<b>509,531</b>	<b>52.8</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> 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	July - September 1996	April - June 1996	July - September 1995	Year to date		
				1996	1995	Percent Change
<b>North America Total</b> .....	<b>360,883</b>	<b>330,595</b>	<b>382,640</b>	<b>1,056,357</b>	<b>981,984</b>	<b>7.6</b>
Canada.....	359,105	330,595	382,640	1,054,162	957,168	10.1
Mexico.....	1,778	-	-	2,195	160	(1)
Netherlands Antilles.....	-	-	-	-	24,656	-
<b>South America Total</b> .....	<b>1,214,552</b>	<b>918,007</b>	<b>1,009,060</b>	<b>3,155,525</b>	<b>3,226,456</b>	<b>-2.2</b>
Colombia.....	803,961	551,481	704,176	1,984,344	1,940,393	2.3
Venezuela.....	410,591	366,526	304,884	1,171,181	1,286,063	-8.9
<b>Europe Total</b> .....	<b>1,989</b>	<b>188</b>	<b>143</b>	<b>2,177</b>	<b>379</b>	<b>474.4</b>
Belgium & Luxembourg.....	1,977	89	-	2,066	-	-
Denmark.....	-	-	-	-	236	-
Spain.....	-	99	-	99	-	-
Turkey.....	12	-	-	12	-	-
United Kingdom.....	-	-	143	-	143	-
<b>Asia Total</b> .....	<b>469,293</b>	<b>303,472</b>	<b>283,661</b>	<b>1,020,419</b>	<b>713,018</b>	<b>43.1</b>
China (Mainland).....	-	-	53	-	53	-
Hong Kong.....	1	-	-	1	-	-
Indonesia.....	469,292	303,472	283,608	1,020,418	712,939	43.1
Japan.....	-	-	-	-	26	-
<b>Oceania &amp; Australia Total</b> .....	<b>23,845</b>	<b>-</b>	<b>49,787</b>	<b>101,687</b>	<b>208,184</b>	<b>-51.2</b>
Australia.....	23,845	-	49,787	101,687	165,745	-38.6
New Zealand.....	-	-	-	-	42,439	-
<b>Total</b> .....	<b>2,070,562</b>	<b>1,552,262</b>	<b>1,725,291</b>	<b>5,336,165</b>	<b>5,130,021</b>	<b>4.0</b>

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

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	July - September 1996	April - June 1996	July - September 1995	Year to date		
				1996	1995	Percent Change
<b>North America Total</b> .....	<b>\$36.49</b>	<b>\$34.57</b>	<b>\$35.77</b>	<b>\$34.27</b>	<b>\$34.93</b>	<b>-1.9</b>
Canada.....	36.51	34.57	35.77	34.27	34.93	-1.9
Mexico.....	33.92	-	-	31.72	-	-
<b>South America Total</b> .....	<b>31.08</b>	<b>29.68</b>	<b>31.94</b>	<b>31.02</b>	<b>32.39</b>	<b>-4.2</b>
Colombia.....	31.55	30.75	30.25	31.20	30.64	1.8
Venezuela.....	30.19	28.06	35.85	30.72	35.03	-12.3
<b>Europe Total</b> .....	<b>-</b>	<b>-</b>	<b>25.70</b>	<b>-</b>	<b>25.70</b>	<b>-</b>
United Kingdom.....	-	-	25.70	-	25.70	-
<b>Asia Total</b> .....	<b>29.87</b>	<b>32.83</b>	<b>35.54</b>	<b>32.98</b>	<b>35.92</b>	<b>-8.2</b>
Indonesia.....	29.87	32.83	35.54	32.98	35.92	-8.2
<b>Oceania &amp; Australia Total</b> .....	<b>32.51</b>	<b>-</b>	<b>31.37</b>	<b>33.52</b>	<b>33.88</b>	<b>-1.0</b>
Australia.....	32.51	-	31.37	33.52	30.66	9.3
New Zealand.....	-	-	-	-	46.42	-
<b>Total</b> <sup>1</sup> .....	<b>31.55</b>	<b>31.19</b>	<b>33.35</b>	<b>32.02</b>	<b>33.41</b>	<b>-4.2</b>
<b>U.S. Total</b> <sup>2</sup> .....	<b>33.19</b>	<b>32.46</b>	<b>33.61</b>	<b>33.08</b>	<b>33.96</b>	<b>-2.6</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	July - September 1996	April - June 1996	July - September 1995	Year to date		
				1996	1995	Percent Change
<b>Eastern Total</b> .....	<b>583,566</b>	<b>569,510</b>	<b>395,696</b>	<b>1,649,041</b>	<b>1,357,921</b>	<b>21.4</b>
Boston, MA .....	479,591	498,539	326,568	1,402,026	966,644	45.0
Baltimore, MD .....	-	99	-	99	28,328	-99.7
Portland, ME.....	65,647	70,783	68,985	181,054	307,171	-41.1
Buffalo, NY.....	2,196	24	-	2,251	-	-
New York City, NY.....	-	65	143	65	379	-82.8
Ogdensburg, NY.....	-	-	-	50	-	-
Philadelphia, PA.....	36,132	-	-	63,496	55,399	14.6
<b>Southern Total</b> .....	<b>926,208</b>	<b>531,661</b>	<b>723,303</b>	<b>2,062,497</b>	<b>2,186,884</b>	<b>-5.7</b>
Mobile, AL.....	36,248	31,208	238,391	257,067	745,324	-65.5
Savannah, GA.....	54,673	63,836	-	118,509	-	-
Miami, FL.....	-	-	-	-	26,035	-
Tampa, FL.....	508,891	289,507	359,459	1,102,493	957,330	15.2
New Orleans, LA.....	291,262	141,088	69,815	509,510	253,222	101.2
San Juan, PR.....	33,344	-	55,638	66,689	182,816	-63.5
Houston-Galveston, TX.....	12	6,022	-	6,034	-	-
Laredo, TX.....	1,778	-	-	2,195	111	( <sup>1</sup> )
Virgin Islands.....	-	-	-	-	22,046	-
<b>Western Total</b> .....	<b>201,875</b>	<b>132,647</b>	<b>235,778</b>	<b>582,858</b>	<b>646,895</b>	<b>-9.9</b>
San Diego, CA.....	-	-	-	-	49	-
Honolulu, HI.....	201,875	120,496	223,652	570,707	627,973	-9.1
Great Falls, MT.....	-	25	-	25	645	-96.1
Seattle, WA.....	-	12,126	12,126	12,126	18,228	-33.5
<b>Northern Total</b> .....	<b>358,913</b>	<b>318,444</b>	<b>370,514</b>	<b>1,041,769</b>	<b>938,321</b>	<b>11.0</b>
Chicago, IL.....	32,378	60,793	-	181,317	34,983	418.3
Detroit, MI.....	126,922	92,133	182,952	247,118	301,687	-18.1
Duluth, MN.....	79,332	57,374	69,619	224,224	181,825	23.3
St Louis, MO.....	1	-	-	1	-	-
Pembina, ND.....	120,280	108,144	117,943	389,109	419,826	-7.3
<b>Total</b> .....	<b>2,070,562</b>	<b>1,552,262</b>	<b>1,725,291</b>	<b>5,336,165</b>	<b>5,130,021</b>	<b>4.0</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 IM 145."

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

Continent and Country of Origin	July - September 1996	April - June 1996	July - September 1995	Year to date		
				1996	1995	Percent Change
<b>North America Total</b> .....	<b>16,655</b>	<b>23,663</b>	<b>14,352</b>	<b>57,976</b>	<b>54,583</b>	<b>6.2</b>
Canada.....	16,655	23,663	14,352	57,976	54,583	6.2
<b>Europe Total</b> .....	-	-	-	-	<b>42,166</b>	-
Poland.....	-	-	-	-	42,166	-
<b>Asia Total</b> .....	<b>135,219</b>	<b>216,439</b>	<b>367,560</b>	<b>751,907</b>	<b>1,177,439</b>	<b>-36.1</b>
China (Mainland).....	48,057	-	78,489	181,796	376,836	-51.8
Japan.....	87,162	216,439	289,071	570,111	800,603	-28.8
<b>Africa Total</b> .....	-	-	-	-	<b>38,952</b>	-
Zimbabwe.....	-	-	-	-	38,952	-
<b>Total</b> .....	<b>151,874</b>	<b>240,102</b>	<b>381,912</b>	<b>809,883</b>	<b>1,313,140</b>	<b>-38.3</b>

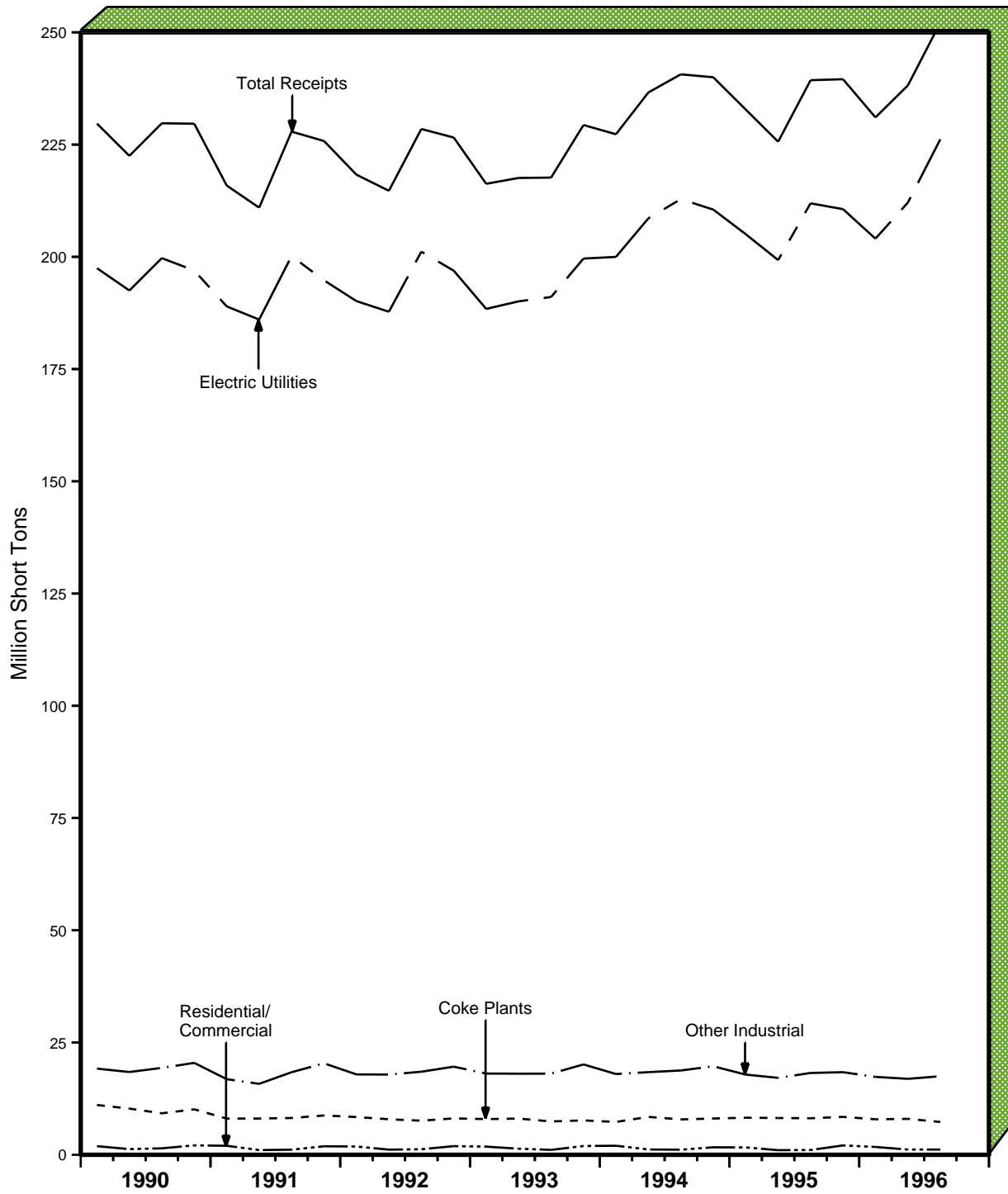
Note: Total may not equal sum of components because of independent rounding.

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



# Receipts

Figure 5. Quarterly U.S. Coal Receipts, 1990-1996



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."

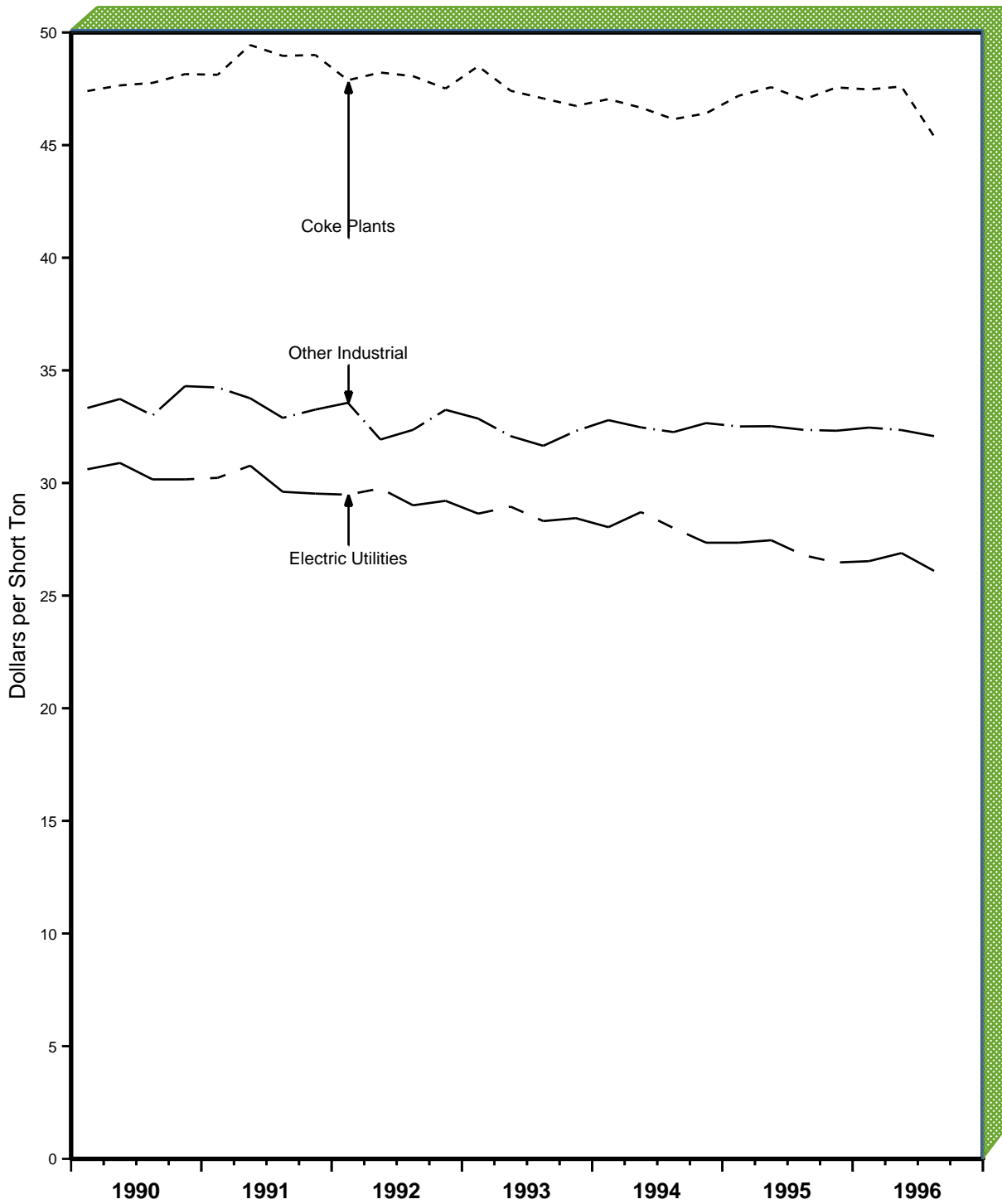
**Table 20. U.S. Coal Receipts by End-Use Sector, 1990-1996**  
(Thousand Short Tons)

Year and Quarter	Electric Utilities	Coke Plants	Other Industrial	Residential and Commercial	Total
<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
April - June .....	212,080	8,003	16,921	1,165	238,169
July - September .....	226,184	7,315	17,501	1,165	252,165
<b>Total</b> .....	<b>642,311</b>	<b>23,226</b>	<b>51,773</b>	<b>4,077</b>	<b>721,387</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, 1990-1996



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, 1990-1996**  
(Dollars per Short Ton)

Year and Quarter	Electric Utilities	Coke Plants	Other Industrial <sup>1</sup>
<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
April - June.....	26.89	47.60	32.35
July - September.....	26.10	45.39	32.08

<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	July - September 1996	April - June 1996	July - September 1995	Year to Date		
				1996	1995	Percent Change
<b>New England Total</b> .....	<b>1,837</b>	<b>1,951</b>	<b>1,756</b>	<b>5,428</b>	<b>5,030</b>	<b>7.9</b>
Connecticut .....	251	255	223	703	610	15.1
Maine .....	42	65	73	164	226	-27.3
Massachusetts .....	1,217	1,343	1,165	3,606	3,161	14.1
New Hampshire .....	326	286	292	952	1,029	-7.5
Rhode Island .....	1	1	1	2	1	36.0
Vermont .....	1	1	1	2	2	1.3
<b>Middle Atlantic Total</b> .....	<b>17,790</b>	<b>16,766</b>	<b>16,435</b>	<b>51,976</b>	<b>49,901</b>	<b>4.2</b>
New Jersey .....	543	572	547	1,623	1,523	6.5
New York .....	2,828	2,664	2,573	8,008	7,826	2.3
Pennsylvania .....	14,420	13,531	13,314	42,344	40,552	4.4
<b>East North Central Total</b> .....	<b>57,206</b>	<b>56,943</b>	<b>53,657</b>	<b>164,418</b>	<b>158,164</b>	<b>4.0</b>
Illinois .....	11,183	10,853	9,949	31,756	29,380	8.1
Indiana .....	15,231	15,743	14,571	47,117	44,889	5.0
Michigan .....	10,566	9,283	9,898	24,502	25,601	-4.3
Ohio .....	13,616	15,260	13,064	42,996	40,808	5.4
Wisconsin .....	6,611	5,804	6,176	18,048	17,486	3.2
<b>West North Central Total</b> .....	<b>35,813</b>	<b>32,972</b>	<b>34,514</b>	<b>102,490</b>	<b>99,977</b>	<b>2.5</b>
Iowa .....	5,913	5,406	5,528	16,436	16,353	.5
Kansas .....	5,054	4,553	4,506	13,991	13,348	4.8
Minnesota .....	4,482	4,861	4,674	14,144	13,978	1.2
Missouri .....	9,714	8,745	8,689	26,376	24,326	8.4
Nebraska .....	2,824	2,136	2,472	7,876	7,907	-4
North Dakota .....	7,455	6,809	8,076	22,289	22,256	.1
South Dakota .....	370	462	569	1,377	1,808	-23.8
<b>South Atlantic Total</b> .....	<b>42,015</b>	<b>40,580</b>	<b>37,803</b>	<b>121,241</b>	<b>110,612</b>	<b>9.6</b>
Delaware .....	491	460	536	1,304	1,406	-7.3
District of Columbia .....	1	1	2	4	2	76.3
Florida .....	7,388	7,241	6,594	20,801	19,125	8.8
Georgia .....	8,731	8,313	7,831	24,127	22,724	6.2
Maryland .....	2,632	3,156	2,649	8,960	7,738	15.8
North Carolina .....	7,381	6,327	5,703	19,759	16,491	19.8
South Carolina .....	3,286	3,017	3,035	9,114	8,746	4.2
Virginia .....	3,506	3,594	3,286	10,831	9,288	16.6
West Virginia .....	8,601	8,472	8,166	26,340	25,091	5.0
<b>East South Central Total</b> .....	<b>28,404</b>	<b>27,212</b>	<b>27,825</b>	<b>83,068</b>	<b>79,015</b>	<b>5.1</b>
Alabama .....	9,118	8,540	9,103	26,180	24,931	5.0
Kentucky .....	10,594	10,598	10,617	31,800	30,173	5.4
Mississippi .....	1,462	1,486	1,240	3,959	3,582	10.5
Tennessee .....	7,231	6,589	6,865	21,129	20,329	3.9
<b>West South Central Total</b> .....	<b>39,114</b>	<b>36,463</b>	<b>37,355</b>	<b>111,617</b>	<b>106,684</b>	<b>4.6</b>
Arkansas .....	4,131	3,860	3,872	11,575	10,661	8.6
Louisiana .....	3,574	3,060	3,739	9,683	10,765	-10.1
Oklahoma .....	5,280	5,418	5,462	15,540	15,970	-2.7
Texas .....	26,129	24,125	24,281	74,818	69,288	8.0
<b>Mountain Total</b> .....	<b>27,680</b>	<b>23,381</b>	<b>27,579</b>	<b>75,126</b>	<b>81,062</b>	<b>-7.3</b>
Arizona .....	4,304	4,107	4,476	11,777	12,820	-8.1
Colorado .....	4,323	3,781	4,217	12,401	12,986	-4.5
Idaho .....	109	39	128	225	367	-38.6
Montana .....	2,355	1,086	2,684	5,113	7,410	-31.0
Nevada .....	2,081	1,351	1,953	5,225	5,615	-6.9
New Mexico .....	3,848	3,560	4,209	10,471	11,031	-5.1
Utah .....	3,766	3,860	3,713	11,162	11,844	-5.8
Wyoming .....	6,894	5,597	6,199	18,752	18,991	-1.3
<b>Pacific Total</b> .....	<b>2,305</b>	<b>1,901</b>	<b>2,414</b>	<b>6,023</b>	<b>7,339</b>	<b>-17.9</b>
Alaska .....	105	105	84	368	341	8.1
California .....	573	514	662	1,659	1,879	-11.7
Hawaii .....	23	29	31	100	115	-12.4
Oregon .....	290	2	280	302	869	-65.3
Washington .....	1,314	1,250	1,356	3,594	4,136	-13.1
<b>U.S. Total</b> .....	<b>252,165</b>	<b>238,169</b>	<b>239,337</b>	<b>721,387</b>	<b>697,784</b>	<b>3.4</b>

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	July-September 1996		July-September 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>1,773</b>	<b>169</b>	<b>1,659</b>	<b>168</b>	<b>5,192</b>	<b>170</b>	<b>4,750</b>	<b>170</b>	<b>9.3</b>	<b>0.2</b>
Connecticut.....	246	191	222	189	685	191	607	188	12.9	1.8
Massachusetts.....	1,202	168	1,149	166	3,561	169	3,120	169	14.2	-2
New Hampshire.....	324	158	288	161	946	158	1,023	160	-7.5	-1.1
<b>Mid Atlantic</b> .....	<b>12,770</b>	<b>140</b>	<b>12,045</b>	<b>138</b>	<b>37,671</b>	<b>141</b>	<b>35,954</b>	<b>139</b>	<b>4.8</b>	<b>1.4</b>
New Jersey.....	540	175	543	177	1,613	176	1,511	177	6.8	-8
New York.....	1,981	145	1,838	141	5,723	143	5,698	141	.4	1.3
Pennsylvania.....	10,250	137	9,664	136	30,335	139	28,745	137	5.5	1.6
<b>East North Central</b> .....	<b>50,860</b>	<b>133</b>	<b>46,258</b>	<b>139</b>	<b>143,652</b>	<b>134</b>	<b>136,478</b>	<b>140</b>	<b>5.3</b>	<b>-4.2</b>
Illinois.....	9,818	157	8,522	160	27,239	164	24,970	165	9.1	-8
Indiana.....	13,334	118	12,034	126	39,607	120	37,365	126	6.0	-4.6
Michigan.....	9,308	140	8,583	145	21,383	139	22,403	146	-4.6	-5.0
Ohio.....	12,254	135	11,560	144	38,685	134	35,796	142	8.1	-5.3
Wisconsin.....	6,146	108	5,559	114	16,738	107	15,944	114	5.0	-6.5
<b>West North Central</b> .....	<b>32,267</b>	<b>92</b>	<b>30,457</b>	<b>95</b>	<b>92,047</b>	<b>93</b>	<b>89,254</b>	<b>97</b>	<b>3.1</b>	<b>-4.5</b>
Iowa.....	5,027	94	4,611	97	14,165	95	14,153	99	.1	-4.5
Kansas.....	4,994	97	4,457	105	13,807	99	13,232	104	4.3	-4.6
Minnesota.....	4,024	108	4,307	113	12,577	108	12,675	117	-8	-7.3
Missouri.....	9,388	96	8,386	98	25,394	95	23,428	100	8.4	-4.5
Nebraska.....	2,745	73	2,406	75	7,683	73	7,717	75	-4	-2.5
North Dakota.....	5,821	73	5,835	73	17,326	73	16,562	73	4.6	*
South Dakota.....	267	91	455	100	1,094	92	1,487	106	-26.4	-13.3
<b>South Atlantic</b> .....	<b>38,068</b>	<b>149</b>	<b>33,889</b>	<b>155</b>	<b>109,009</b>	<b>150</b>	<b>98,263</b>	<b>156</b>	<b>10.9</b>	<b>-4.2</b>
Delaware.....	455	158	477	159	1,197	158	1,272	162	-5.9	-2.5
Florida.....	7,042	173	6,266	178	19,851	175	18,186	180	9.2	-2.8
Georgia.....	8,272	159	7,412	165	22,634	157	21,227	167	6.6	-5.9
Maryland.....	2,391	148	2,437	149	8,188	150	7,113	150	15.1	-3
North Carolina.....	6,829	146	5,079	161	17,906	149	14,496	165	23.5	-10.0
South Carolina.....	2,797	148	2,521	148	7,623	147	7,202	152	5.8	-3.5
Virginia.....	2,595	143	2,371	146	8,013	143	6,450	145	24.2	-1.5
West Virginia.....	7,686	124	7,326	128	23,596	125	22,315	128	5.7	-2.1
<b>East South Central</b> .....	<b>25,141</b>	<b>124</b>	<b>24,423</b>	<b>127</b>	<b>73,042</b>	<b>125</b>	<b>69,061</b>	<b>128</b>	<b>5.8</b>	<b>-2.9</b>
Alabama.....	7,692	152	7,791	155	21,791	154	20,844	157	4.5	-1.7
Kentucky.....	9,724	104	9,530	108	29,181	105	27,416	111	6.4	-5.5
Mississippi.....	1,399	156	1,156	156	3,774	151	3,372	154	11.9	-1.9
Tennessee.....	6,326	114	5,945	114	18,296	115	17,430	116	5.0	-1.3
<b>West South Central</b> .....	<b>37,647</b>	<b>123</b>	<b>35,796</b>	<b>131</b>	<b>107,162</b>	<b>128</b>	<b>101,886</b>	<b>135</b>	<b>5.2</b>	<b>-5.1</b>
Arkansas.....	4,048	137	3,794	163	11,325	148	10,408	163	8.8	-9.3
Louisiana.....	3,548	151	3,674	155	9,616	152	10,404	155	-7.6	-1.9
Oklahoma.....	5,113	98	5,056	102	14,983	98	14,919	100	.4	-1.4
Texas.....	24,938	122	23,271	128	71,238	128	66,156	136	7.7	-5.5
<b>Mountain</b> .....	<b>26,125</b>	<b>113</b>	<b>25,854</b>	<b>110</b>	<b>70,835</b>	<b>114</b>	<b>75,881</b>	<b>112</b>	<b>-6.7</b>	<b>2.4</b>
Arizona.....	4,115	148	4,325	137	11,270	146	12,323	138	-8.5	6.0
Colorado.....	4,149	101	4,008	106	11,908	105	12,444	105	-4.3	-3
Montana.....	2,341	70	2,535	66	5,061	72	7,000	66	-27.7	9.0
Nevada.....	2,027	139	1,889	125	5,078	143	5,405	133	-6.1	7.5
New Mexico.....	3,829	144	4,191	134	10,410	147	10,971	145	-5.1	1.0
Utah.....	3,287	112	3,168	104	9,905	108	10,285	112	-3.7	-3.2
Wyoming.....	6,377	83	5,739	87	17,203	82	17,453	83	-1.4	-1
<b>Pacific</b> .....	<b>1,533</b>	<b>129</b>	<b>1,533</b>	<b>128</b>	<b>3,701</b>	<b>150</b>	<b>4,715</b>	<b>138</b>	<b>-21.5</b>	<b>8.9</b>
Oregon.....	269	102	257	100	269	102	788	108	-65.9	-5.9
Washington.....	1,264	136	1,276	134	3,432	154	3,927	144	-12.6	7.0
<b>U.S. Total</b> .....	<b>226,184</b>	<b>128</b>	<b>211,914</b>	<b>131</b>	<b>642,311</b>	<b>129</b>	<b>616,243</b>	<b>133</b>	<b>4.2</b>	<b>-2.7</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	July-September 1996		July-September 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>1,485</b>	<b>170</b>	<b>1,449</b>	<b>168</b>	<b>4,490</b>	<b>170</b>	<b>3,783</b>	<b>170</b>	<b>18.7</b>	<b>-0.1</b>
Connecticut.....	246	191	222	189	685	191	607	188	12.9	1.8
Massachusetts.....	1,047	167	1,021	165	3,077	168	2,461	169	25.0	-9
New Hampshire.....	192	157	206	158	729	158	716	157	1.8	.5
<b>Mid Atlantic</b> .....	<b>9,557</b>	<b>145</b>	<b>8,710</b>	<b>147</b>	<b>28,141</b>	<b>146</b>	<b>25,497</b>	<b>148</b>	<b>10.4</b>	<b>-1.1</b>
New Jersey.....	516	175	519	177	1,538	177	1,477	177	4.1	-.5
New York.....	1,704	145	1,596	141	5,152	142	4,372	142	17.8	*
Pennsylvania.....	7,337	143	6,595	147	21,450	145	19,647	147	9.2	-1.3
<b>East North Central</b> .....	<b>38,103</b>	<b>141</b>	<b>37,824</b>	<b>145</b>	<b>108,826</b>	<b>142</b>	<b>107,022</b>	<b>146</b>	<b>1.7</b>	<b>-2.9</b>
Illinois.....	8,307	165	7,492	165	23,251	172	21,486	171	8.2	.4
Indiana.....	9,122	125	9,947	130	27,970	129	29,931	131	-6.5	-1.9
Michigan.....	7,615	144	7,624	147	17,243	143	19,024	149	-9.4	-3.8
Ohio.....	8,386	149	9,714	151	27,592	146	27,705	150	-4	-2.9
Wisconsin.....	4,673	106	3,046	114	12,769	104	8,875	117	43.9	-11.1
<b>West North Central</b> .....	<b>29,411</b>	<b>93</b>	<b>25,135</b>	<b>98</b>	<b>82,015</b>	<b>93</b>	<b>75,974</b>	<b>99</b>	<b>8.0</b>	<b>-6.1</b>
Iowa.....	4,170	94	2,551	110	11,638	96	10,007	104	16.3	-8.3
Kansas.....	4,994	97	3,553	113	12,527	102	9,743	115	28.6	-11.7
Minnesota.....	3,911	108	4,196	113	11,721	108	12,186	117	-3.8	-7.3
Missouri.....	8,270	96	7,103	98	22,277	96	20,637	100	7.9	-4.9
Nebraska.....	1,980	75	1,442	78	5,434	76	5,352	77	1.5	-2.3
North Dakota.....	5,818	73	5,835	73	17,324	73	16,562	73	4.6	*
South Dakota.....	267	91	455	100	1,094	92	1,487	106	-26.4	-13.3
<b>South Atlantic</b> .....	<b>24,721</b>	<b>154</b>	<b>23,864</b>	<b>161</b>	<b>70,478</b>	<b>155</b>	<b>73,130</b>	<b>163</b>	<b>-3.6</b>	<b>-4.5</b>
Delaware.....	409	158	344	163	974	160	984	166	-1.0	-3.3
Florida.....	4,401	185	4,440	190	12,878	188	13,287	191	-3.1	-1.7
Georgia.....	3,164	175	3,802	177	9,139	169	12,028	178	-24.0	-4.6
Maryland.....	1,643	147	1,625	151	5,118	148	5,067	152	1.0	-2.7
North Carolina.....	5,076	149	4,140	165	13,197	152	13,070	168	1.0	-9.6
South Carolina.....	1,977	150	2,002	150	5,372	150	6,345	153	-15.3	-2.2
Virginia.....	1,952	142	1,818	147	6,106	142	5,257	145	16.1	-2.3
West Virginia.....	6,099	130	5,693	137	17,694	135	17,091	138	3.5	-2.0
<b>East South Central</b> .....	<b>18,427</b>	<b>130</b>	<b>17,373</b>	<b>133</b>	<b>55,045</b>	<b>130</b>	<b>50,439</b>	<b>134</b>	<b>9.1</b>	<b>-3.4</b>
Alabama.....	6,332	158	5,195	170	18,227	161	14,826	170	22.9	-5.4
Kentucky.....	6,556	105	6,906	110	20,639	107	19,876	114	3.8	-5.8
Mississippi.....	1,241	159	1,032	159	3,239	155	2,994	158	8.2	-2.2
Tennessee.....	4,297	116	4,239	117	12,940	116	12,742	119	1.6	-2.0
<b>West South Central</b> .....	<b>35,750</b>	<b>123</b>	<b>32,999</b>	<b>134</b>	<b>101,999</b>	<b>128</b>	<b>93,380</b>	<b>138</b>	<b>9.2</b>	<b>-7.2</b>
Arkansas.....	3,971	138	3,692	164	10,933	149	10,115	164	8.1	-9.2
Louisiana.....	3,548	151	3,674	155	9,616	152	10,404	155	-7.6	-1.9
Oklahoma.....	5,113	98	3,187	115	14,752	99	9,032	109	63.3	-9.1
Texas.....	23,118	122	22,446	127	66,697	128	63,830	135	4.5	-5.3
<b>Mountain</b> .....	<b>25,007</b>	<b>114</b>	<b>24,218</b>	<b>111</b>	<b>68,160</b>	<b>115</b>	<b>70,758</b>	<b>113</b>	<b>-3.7</b>	<b>1.8</b>
Arizona.....	3,531	155	3,714	141	10,105	150	10,488	141	-3.6	6.3
Colorado.....	3,809	101	3,784	108	11,205	106	11,674	106	-4.0	-.2
Montana.....	2,341	70	2,535	66	5,061	72	7,000	66	-27.7	9.0
Nevada.....	1,982	140	1,889	125	5,033	143	5,405	133	-6.9	7.8
New Mexico.....	3,829	144	4,191	134	10,410	147	10,971	145	-5.1	1.0
Utah.....	3,138	114	3,017	106	9,436	111	9,843	114	-4.1	-3.0
Wyoming.....	6,377	83	5,088	90	16,910	83	15,378	84	10.0	-1.7
<b>Pacific</b> .....	<b>1,264</b>	<b>136</b>	<b>1,264</b>	<b>134</b>	<b>3,416</b>	<b>154</b>	<b>3,360</b>	<b>148</b>	<b>1.7</b>	<b>4.2</b>
Washington.....	1,264	136	1,264	134	3,416	154	3,360	148	1.7	4.2
<b>U.S. Total</b> .....	<b>183,726</b>	<b>130</b>	<b>172,836</b>	<b>135</b>	<b>522,570</b>	<b>132</b>	<b>503,343</b>	<b>137</b>	<b>3.8</b>	<b>-3.8</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 25. Quantity and Price of Spot Coal Receipts at Electric Utility Plants by Census Division and State**

Census Division and State	July-September 1996		July-September 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>287</b>	<b>167</b>	<b>209</b>	<b>170</b>	<b>702</b>	<b>172</b>	<b>966</b>	<b>169</b>	<b>-27.4</b>	<b>1.6</b>
Massachusetts.....	155	173	128	171	485	177	659	170	-26.4	4.3
New Hampshire.....	132	160	81	167	217	159	307	166	-29.3	-4.3
<b>Mid Atlantic</b> .....	<b>3,213</b>	<b>124</b>	<b>3,335</b>	<b>114</b>	<b>9,530</b>	<b>125</b>	<b>10,458</b>	<b>117</b>	<b>-8.9</b>	<b>7.0</b>
New Jersey.....	24	167	24	163	75	162	34	173	122.4	-6.4
New York.....	276	146	242	137	570	151	1,326	138	-57.0	9.5
Pennsylvania.....	2,913	121	3,069	111	8,885	123	9,098	113	-2.3	8.5
<b>East North Central</b> .....	<b>12,757</b>	<b>109</b>	<b>8,435</b>	<b>114</b>	<b>34,826</b>	<b>109</b>	<b>29,456</b>	<b>116</b>	<b>18.2</b>	<b>-5.7</b>
Illinois.....	1,511	115	1,030	124	3,988	124	3,484	133	14.5	-6.7
Indiana.....	4,213	104	2,087	108	11,636	103	7,434	108	56.5	-5.0
Michigan.....	1,692	123	958	130	4,140	119	3,379	131	22.5	-8.6
Ohio.....	3,868	104	1,845	111	11,092	105	8,090	113	37.1	-6.7
Wisconsin.....	1,473	115	2,514	113	3,969	115	7,069	111	-43.9	3.7
<b>West North Central</b> .....	<b>2,856</b>	<b>88</b>	<b>5,322</b>	<b>81</b>	<b>10,032</b>	<b>86</b>	<b>13,280</b>	<b>83</b>	<b>-24.5</b>	<b>3.8</b>
Iowa.....	857	93	2,060	80	2,527	90	4,146	87	-39.1	3.8
Kansas.....	-	-	904	72	1,280	72	3,489	72	-63.3	1.2
Minnesota.....	113	116	111	122	856	112	489	124	75.1	-9.7
Missouri.....	1,118	95	1,283	94	3,117	94	2,791	95	11.7	-6
Nebraska.....	765	67	964	70	2,249	67	2,365	70	-4.9	-3.3
North Dakota.....	2	65	-	-	2	65	-	-	-	-
<b>South Atlantic</b> .....	<b>13,346</b>	<b>141</b>	<b>10,025</b>	<b>138</b>	<b>38,530</b>	<b>139</b>	<b>25,133</b>	<b>137</b>	<b>53.3</b>	<b>1.7</b>
Delaware.....	46	156	133	150	223	149	288	151	-22.5	-9
Florida.....	2,641	153	1,826	147	6,973	151	4,899	150	42.3	1.1
Georgia.....	5,107	148	3,610	149	13,496	148	9,199	151	46.7	-1.9
Maryland.....	748	152	812	146	3,070	153	2,046	147	50.0	4.5
North Carolina.....	1,753	138	939	142	4,709	139	1,426	138	230.2	.5
South Carolina.....	820	141	519	140	2,250	139	857	144	162.5	-3.3
Virginia.....	644	145	553	141	1,907	145	1,193	143	59.8	1.7
West Virginia.....	1,587	100	1,633	97	5,902	96	5,225	96	13.0	-1
<b>East South Central</b> .....	<b>6,715</b>	<b>109</b>	<b>7,050</b>	<b>111</b>	<b>17,998</b>	<b>109</b>	<b>18,623</b>	<b>111</b>	<b>-3.4</b>	<b>-2.1</b>
Alabama.....	1,360	123	2,596	122	3,564	122	6,018	120	-40.8	1.1
Kentucky.....	3,168	101	2,624	103	8,543	102	7,540	106	13.3	-4.3
Mississippi.....	157	130	124	126	535	133	377	127	42.0	4.7
Tennessee.....	2,029	110	1,706	106	5,356	110	4,688	108	14.3	1.6
<b>West South Central</b> .....	<b>1,898</b>	<b>125</b>	<b>2,796</b>	<b>104</b>	<b>5,163</b>	<b>127</b>	<b>8,506</b>	<b>106</b>	<b>-39.3</b>	<b>20.6</b>
Arkansas.....	77	120	102	130	392	118	293	130	33.8	-9.6
Oklahoma.....	-	-	1,869	81	230	79	5,886	86	-96.1	-8.2
Texas.....	1,821	125	825	148	4,541	130	2,327	147	95.2	-11.2
<b>Mountain</b> .....	<b>1,118</b>	<b>95</b>	<b>1,636</b>	<b>86</b>	<b>2,675</b>	<b>89</b>	<b>5,123</b>	<b>89</b>	<b>-47.8</b>	<b>.1</b>
Arizona.....	584	104	611	111	1,165	110	1,836	117	-36.5	-5.8
Colorado.....	340	98	223	82	703	87	770	90	-8.8	-3.5
Nevada.....	45	103	-	-	45	103	-	-	-	-
Utah.....	149	58	151	58	469	57	442	59	6.1	-2.7
Wyoming.....	-	-	651	70	293	71	2,075	72	-85.9	-5
<b>Pacific</b> .....	<b>269</b>	<b>102</b>	<b>269</b>	<b>103</b>	<b>285</b>	<b>106</b>	<b>1,355</b>	<b>116</b>	<b>-79.0</b>	<b>-8.5</b>
Oregon.....	269	102	257	100	269	102	788	108	-65.9	-5.9
Washington.....	*	109	12	166	16	174	567	126	-97.2	37.7
<b>U.S. Total</b> .....	<b>42,459</b>	<b>120</b>	<b>39,078</b>	<b>115</b>	<b>119,741</b>	<b>120</b>	<b>112,900</b>	<b>116</b>	<b>6.1</b>	<b>3.4</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 26. Average Cost of Coal Receipts at Electric Utility Plants by Census Division and State**  
(Dollars per Short Ton)

Census Division and State	July-September 1996	April-June 1996	July-September 1995	Year to Date		
				1996	1995	Percent Change
<b>New England</b> .....	<b>\$43.45</b>	<b>\$43.66</b>	<b>\$43.02</b>	<b>\$43.51</b>	<b>\$43.59</b>	<b>-0.2</b>
Connecticut .....	50.12	50.06	49.79	50.03	49.19	1.7
Massachusetts.....	42.59	42.75	41.95	42.74	43.05	-7
New Hampshire .....	41.59	42.25	42.08	41.66	41.92	-6
<b>Mid Atlantic</b> .....	<b>34.75</b>	<b>35.29</b>	<b>34.41</b>	<b>35.15</b>	<b>34.71</b>	<b>1.3</b>
New Jersey .....	44.77	45.72	46.06	45.75	47.18	-3.0
New York.....	37.71	36.78	36.79	37.20	36.82	1.0
Pennsylvania .....	33.65	34.39	33.30	34.20	33.64	1.7
<b>East North Central</b> .....	<b>27.88</b>	<b>28.75</b>	<b>29.58</b>	<b>28.38</b>	<b>29.86</b>	<b>-4.9</b>
Illinois .....	31.07	33.40	31.84	32.51	33.03	-1.6
Indiana.....	24.29	25.47	25.98	24.96	26.17	-4.6
Michigan .....	28.64	28.99	30.29	28.95	31.27	-7.4
Ohio.....	32.50	31.97	35.09	32.45	34.42	-5.7
Wisconsin.....	20.20	19.95	21.37	19.66	21.30	-7.7
<b>West North Central</b> .....	<b>15.64</b>	<b>15.89</b>	<b>16.08</b>	<b>15.63</b>	<b>16.33</b>	<b>-4.3</b>
Iowa.....	16.39	16.68	17.04	16.39	17.18	-4.6
Kansas .....	17.18	17.41	18.29	17.41	18.09	-3.7
Minnesota.....	19.35	19.16	20.04	19.36	20.63	-6.2
Missouri.....	17.42	17.42	17.90	17.30	18.50	-6.5
Nebraska.....	12.50	12.86	12.86	12.61	12.92	-2.4
North Dakota.....	9.69	9.89	9.55	9.70	9.69	.2
South Dakota.....	16.81	17.22	14.30	16.67	13.62	22.4
<b>South Atlantic</b> .....	<b>36.66</b>	<b>36.70</b>	<b>38.13</b>	<b>36.76</b>	<b>38.54</b>	<b>-4.6</b>
Delaware .....	41.13	41.73	41.74	41.23	42.44	-2.9
Florida .....	42.02	42.26	43.71	42.76	44.25	-3.4
Georgia.....	37.10	36.37	38.22	36.35	38.75	-6.2
Maryland .....	38.28	38.60	38.87	38.65	39.01	-9
North Carolina .....	36.23	36.38	40.11	36.94	41.21	-10.4
South Carolina .....	37.57	37.36	38.05	37.56	39.16	-4.1
Virginia .....	36.12	35.60	37.13	35.99	36.94	-2.6
West Virginia.....	30.73	31.33	31.76	31.10	31.84	-2.3
<b>East South Central</b> .....	<b>29.15</b>	<b>29.54</b>	<b>30.00</b>	<b>29.25</b>	<b>30.32</b>	<b>-3.5</b>
Alabama .....	35.89	37.14	36.78	36.38	37.09	-1.9
Kentucky .....	23.91	24.47	24.95	24.28	25.96	-6.5
Mississippi.....	35.90	32.69	36.66	34.03	34.83	-2.3
Tennessee .....	27.53	28.00	27.92	27.69	28.20	-1.8
<b>West South Central</b> .....	<b>19.24</b>	<b>20.64</b>	<b>20.19</b>	<b>20.01</b>	<b>20.91</b>	<b>-4.3</b>
Arkansas.....	24.01	26.88	28.39	25.72	28.31	-9.1
Louisiana .....	24.65	24.77	25.26	24.78	25.12	-1.4
Oklahoma .....	16.84	16.78	17.50	16.96	17.07	-7
Texas .....	18.19	19.95	18.64	19.10	19.95	-4.3
<b>Mountain</b> .....	<b>22.05</b>	<b>22.29</b>	<b>21.44</b>	<b>22.28</b>	<b>21.75</b>	<b>2.5</b>
Arizona.....	30.28	28.09	28.27	29.88	28.26	5.7
Colorado.....	20.05	20.92	21.02	20.67	20.83	-7
Montana.....	11.79	11.90	11.24	12.14	11.20	8.4
Nevada.....	31.01	33.69	27.76	31.71	29.44	7.7
New Mexico.....	26.32	26.59	24.31	26.79	26.23	2.1
Utah.....	25.54	24.00	24.11	24.92	25.80	-3.4
Wyoming.....	14.59	13.90	15.42	14.38	14.44	-4
<b>Pacific</b> .....	<b>21.01</b>	<b>23.22</b>	<b>21.12</b>	<b>23.89</b>	<b>23.13</b>	<b>3.3</b>
Oregon.....	17.99	-	17.50	17.99	19.33	-7.0
Washington .....	21.66	23.22	21.85	24.36	23.89	2.0
<b>U.S. Total</b> .....	<b>26.10</b>	<b>26.89</b>	<b>26.79</b>	<b>26.50</b>	<b>27.19</b>	<b>-2.5</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-September 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 .....	6,169	200	5,790	155	546	137	12,505	177	0.91	7.7	-1.8	0.1
Arizona .....	8,215	124	-	-	-	-	8,215	124	.48	-8.4	10.8	.1
Colorado .....	15,208	126	540	99	-	-	15,747	125	.42	-5.7	-5.0	4.7
Illinois .....	43	139	14,315	143	18,266	134	32,624	138	2.00	3.1	-1.8	-3.8
Indiana .....	851	141	5,503	114	10,946	103	17,300	108	2.18	11.9	-8.6	4.7
Kansas .....	-	-	13	131	108	133	122	133	2.14	-52.7	2.7	-24.4
Kentucky .....	11,994	159	51,431	145	24,368	107	87,793	137	1.35	-2.0	-4.9	5.5
Louisiana .....	-	-	1,947	138	524	148	2,471	140	1.40	-5.5	5.0	-19.7
Maryland .....	34	168	2,222	138	-	-	2,256	139	1.22	-7.5	-7	2.3
Missouri .....	1	33	-	-	417	109	418	109	3.36	185.8	-4.7	*
Montana .....	13,525	156	11,112	92	-	-	24,637	129	.57	-4.9	.7	-5.5
New Mexico .....	4,212	174	13,003	150	-	-	17,215	156	.75	-11.1	2.1	5.2
North Dakota .....	-	-	17,138	73	188	80	17,326	73	1.08	-3.3	-3.1	-6.2
Ohio .....	-	-	282	131	18,203	130	18,484	130	3.02	17.3	-6.3	2.1
Oklahoma .....	17	130	-	-	87	105	104	109	2.38	15.6	2.5	4.7
Pennsylvania .....	1,358	152	25,611	136	7,871	121	34,841	133	1.42	8.8	.3	1.1
Tennessee .....	47	134	2,157	123	-	-	2,203	123	.95	78.9	-9.6	10.4
Texas .....	-	-	25,768	101	12,930	90	38,698	97	1.56	5.5	-6.5	-10.8
Utah .....	13,329	114	-	-	-	-	13,329	114	.40	-4	-1.5	2.9
Virginia .....	3,915	163	6,604	140	307	128	10,825	148	.80	-3.9	-5.4	1.6
Washington .....	-	-	3,416	154	-	-	3,416	154	.90	1.7	4.2	.2
West Virginia .....	24,284	156	33,221	140	17,915	127	75,420	142	1.18	12.4	-1.6	.4
Wyoming .....	192,137	118	10,640	98	-	-	202,777	117	.40	7.0	-2.1	-1
<b>Imported.....</b>	<b>3,075</b>	<b>156</b>	<b>508</b>	<b>199</b>	<b>-</b>	<b>-</b>	<b>3,583</b>	<b>163</b>	<b>.54</b>	<b>10.4</b>	<b>-6.4</b>	<b>-4.9</b>
<b>Total.....</b>	<b>298,414</b>	<b>131</b>	<b>231,221</b>	<b>132</b>	<b>112,676</b>	<b>119</b>	<b>642,311</b>	<b>129</b>	<b>1.07</b>	<b>4.2</b>	<b>-2.7</b>	<b>1.5</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 28. Destination of Coal Received at Electric Utility Plants by Origin, January-September 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>21,791</b>	<b>20,844</b>	<b>83.6</b>	<b>71.1</b>	<b>1.02</b>	<b>1.01</b>	<b>154</b>	<b>157</b>
Alabama.....	12,218	11,555	95.4	96.5	.90	.91	178	180
Colorado.....	-	10	-	-	-	.34	-	127
Illinois.....	1,213	646	-	3.9	1.57	1.96	126	106
Kentucky.....	3,092	3,724	61.1	47.8	1.69	1.50	116	127
Ohio.....	66	-	-	-	3.43	-	118	-
Pennsylvania.....	212	18	100.0	-	1.74	1.20	111	119
Tennessee.....	522	459	100.0	95.5	.70	.69	132	132
Virginia.....	1	-	100.0	-	.51	-	131	-
West Virginia.....	1,823	2,090	73.6	68.2	1.02	.97	131	133
Wyoming.....	2,644	2,342	98.6	-	.33	.38	112	114
<b>Arizona</b> .....	<b>11,270</b>	<b>12,323</b>	<b>89.7</b>	<b>85.1</b>	<b>.55</b>	<b>.51</b>	<b>146</b>	<b>138</b>
Arizona.....	4,980	5,327	97.3	100.0	.49	.48	117	108
Colorado.....	62	-	-	-	.34	-	116	-
New Mexico.....	6,228	6,996	84.4	73.8	.60	.53	172	163
<b>Arkansas</b> .....	<b>11,325</b>	<b>10,408</b>	<b>96.5</b>	<b>97.2</b>	<b>.38</b>	<b>.38</b>	<b>148</b>	<b>163</b>
Arkansas.....	11,325	10,408	96.5	97.2	.38	.38	148	163
<b>Colorado</b> .....	<b>11,908</b>	<b>12,444</b>	<b>94.1</b>	<b>93.8</b>	<b>.40</b>	<b>.40</b>	<b>105</b>	<b>105</b>
Colorado.....	7,527	8,377	93.8	90.8	.42	.40	113	112
Montana.....	3	-	-	-	.23	-	96	-
Wyoming.....	4,379	4,067	94.7	100.0	.35	.37	87	88
<b>Connecticut</b> .....	<b>685</b>	<b>607</b>	<b>100.0</b>	<b>100.0</b>	<b>.42</b>	<b>.43</b>	<b>191</b>	<b>188</b>
Connecticut.....	685	607	100.0	100.0	.42	.43	191	188
<b>Delaware</b> .....	<b>1,197</b>	<b>1,272</b>	<b>81.3</b>	<b>77.3</b>	<b>.78</b>	<b>.75</b>	<b>158</b>	<b>162</b>
Maryland.....	204	141	87.7	84.1	1.03	1.07	151	148
Pennsylvania.....	295	250	45.8	11.8	1.09	1.09	145	149
Virginia.....	-	7	-	-	-	1.12	-	149
West Virginia.....	697	874	94.5	95.7	.58	.59	166	169
<b>Florida</b> .....	<b>19,851</b>	<b>18,186</b>	<b>64.9</b>	<b>73.1</b>	<b>1.22</b>	<b>1.20</b>	<b>175</b>	<b>180</b>
Colorado.....	139	567	100.0	100.0	.37	.33	191	185
Illinois.....	4,678	4,563	63.7	59.3	1.74	1.89	183	180
Kentucky.....	10,755	9,371	59.8	72.5	1.18	1.13	173	178
Tennessee.....	-	111	-	100.0	-	.90	-	229
Virginia.....	641	456	100.0	100.0	.57	.56	214	214
West Virginia.....	1,323	1,105	59.3	80.1	1.25	.88	164	178
Wyoming.....	407	-	-	-	.25	-	143	-
Imported coal Colombia.....	1,100	998	100.0	97.3	.55	.57	153	151
Imported coal Indonesia.....	509	284	100.0	24.6	.24	.34	150	142
Imported coal Venezuela.....	298	731	100.0	100.0	.79	.75	232	232
<b>Georgia</b> .....	<b>22,634</b>	<b>21,227</b>	<b>40.4</b>	<b>56.7</b>	<b>.71</b>	<b>.70</b>	<b>157</b>	<b>167</b>
Alabama.....	287	57	-	-	1.53	1.54	133	132
Illinois.....	929	422	-	-	.98	.92	147	160
Kentucky.....	10,741	11,256	61.6	80.2	.80	.79	152	165
Tennessee.....	-	27	-	-	-	.99	-	158
Virginia.....	1,797	1,646	42.1	73.3	.67	.78	158	165
West Virginia.....	3,059	2,761	57.6	65.2	.57	.55	191	197
Wyoming.....	5,611	5,058	-	-	.47	.44	151	152
Imported coal Venezuela.....	210	-	-	-	.89	-	153	-
<b>Illinois</b> .....	<b>27,239</b>	<b>24,970</b>	<b>85.4</b>	<b>86.0</b>	<b>1.18</b>	<b>1.14</b>	<b>164</b>	<b>165</b>
Colorado.....	578	1,197	94.6	41.1	.45	.39	133	136
Illinois.....	9,934	8,787	88.3	93.2	2.38	2.37	129	135
Indiana.....	835	838	2.7	64.7	1.11	.76	138	151
Kentucky.....	294	745	91.5	88.0	.46	.50	172	165
Montana.....	1,581	1,695	100.0	98.6	.38	.39	260	261
Utah.....	1,376	1,259	27.6	21.9	.38	.37	137	139
Wyoming.....	12,640	10,450	92.4	92.4	.35	.34	192	190
<b>Indiana</b> .....	<b>39,607</b>	<b>37,365</b>	<b>70.6</b>	<b>80.1</b>	<b>1.54</b>	<b>1.53</b>	<b>120</b>	<b>126</b>
Illinois.....	7,572	8,184	78.0	81.5	2.13	2.20	134	140
Indiana.....	13,832	12,453	48.0	63.1	2.19	2.12	109	119
Kentucky.....	607	648	86.3	94.4	1.39	1.25	132	137
Montana.....	708	604	100.0	100.0	.37	.39	250	265
Ohio.....	774	740	-	6.5	3.66	3.44	105	102
Pennsylvania.....	395	342	-	100.0	1.85	1.82	109	102
Virginia.....	718	773	100.0	100.0	.53	.54	155	150
West Virginia.....	839	423	52.8	84.7	1.49	.61	136	166
Wyoming.....	14,163	13,197	92.0	96.0	.36	.36	115	115
<b>Iowa</b> .....	<b>14,165</b>	<b>14,153</b>	<b>82.2</b>	<b>70.7</b>	<b>.51</b>	<b>.56</b>	<b>95</b>	<b>99</b>
Colorado.....	332	261	93.9	100.0	.55	.51	130	127
Illinois.....	122	571	51.8	56.4	1.65	2.06	116	113

See footnotes at end of table.

**Table 28. Destination of Coal Received at Electric Utility Plants by Origin, January-September 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>Iowa</b>								
Indiana .....	253	87	-	100.0	1.58	2.60	118	124
Kentucky.....	113	-	100.0	-	2.30	-	108	-
Wyoming.....	13,346	13,234	83.6	70.6	.45	.46	93	97
<b>Kansas.....</b>	<b>13,807</b>	<b>13,232</b>	<b>90.7</b>	<b>73.6</b>	<b>.55</b>	<b>.50</b>	<b>99</b>	<b>104</b>
Colorado .....	1,054	992	100.0	100.0	.42	.33	122	119
Illinois.....	147	138	81.6	93.1	2.48	2.02	163	339
Kansas.....	71	69	100.0	100.0	1.90	2.38	131	127
Missouri.....	301	141	65.4	-	3.59	3.33	102	116
Wyoming.....	12,234	11,892	90.6	71.9	.43	.43	95	98
<b>Kentucky.....</b>	<b>29,181</b>	<b>27,416</b>	<b>70.7</b>	<b>72.5</b>	<b>2.15</b>	<b>2.07</b>	<b>105</b>	<b>111</b>
Colorado .....	1,550	1,154	89.5	86.5	.40	.42	127	121
Illinois.....	32	213	-	10.3	3.12	3.22	92	94
Indiana.....	2,013	1,927	100.0	80.4	2.85	2.44	89	103
Kentucky.....	20,636	20,211	70.2	73.2	2.45	2.31	104	111
Ohio.....	339	325	35.4	39.3	3.27	3.27	94	97
Pennsylvania.....	358	380	5.5	-	1.26	1.62	103	102
Tennessee.....	-	9	-	-	-	1.99	-	116
Utah.....	-	12	-	99.2	-	.52	-	144
West Virginia.....	4,144	3,186	63.2	74.1	1.11	.86	114	117
Wyoming.....	109	-	-	-	.79	-	92	-
<b>Louisiana.....</b>	<b>9,616</b>	<b>10,404</b>	<b>100.0</b>	<b>100.0</b>	<b>.70</b>	<b>.73</b>	<b>152</b>	<b>155</b>
Louisiana.....	2,471	2,616	100.0	100.0	1.40	1.75	140	133
Wyoming.....	7,145	7,788	100.0	100.0	.50	.46	155	160
<b>Maryland.....</b>	<b>8,188</b>	<b>7,113</b>	<b>62.5</b>	<b>71.2</b>	<b>.87</b>	<b>.81</b>	<b>150</b>	<b>150</b>
Kentucky.....	585	471	65.1	61.4	.57	.54	152	152
Maryland.....	677	924	72.5	56.2	1.08	1.10	167	158
Pennsylvania.....	1,161	1,111	53.1	68.0	1.10	1.03	155	151
Virginia.....	-	292	-	100.0	-	.52	-	180
West Virginia.....	5,765	4,315	63.0	74.4	.82	.74	147	146
<b>Massachusetts.....</b>	<b>3,561</b>	<b>3,120</b>	<b>86.4</b>	<b>78.9</b>	<b>.56</b>	<b>.56</b>	<b>169</b>	<b>169</b>
Kentucky.....	374	339	69.1	58.1	.51	.50	182	182
Pennsylvania.....	142	161	75.2	100.0	.98	1.04	159	158
West Virginia.....	1,651	1,661	84.0	72.8	.56	.55	175	173
Imported coal Colombia.....	508	361	86.2	81.9	.49	.49	159	154
Imported coal Venezuela.....	886	598	100.0	100.0	.53	.51	161	165
<b>Michigan.....</b>	<b>21,383</b>	<b>22,403</b>	<b>80.6</b>	<b>84.9</b>	<b>.59</b>	<b>.60</b>	<b>139</b>	<b>146</b>
Colorado .....	404	445	100.0	90.1	.46	.46	132	140
Illinois.....	29	30	-	-	.78	.92	147	146
Indiana.....	140	118	100.0	100.0	1.49	1.79	134	133
Kentucky.....	2,540	3,806	90.4	86.4	.73	.68	165	168
Montana.....	6,743	6,530	94.4	99.2	.41	.40	149	153
Ohio.....	25	109	100.0	100.0	2.16	2.58	154	173
Pennsylvania.....	1,473	1,864	77.0	60.9	1.22	1.14	119	138
Utah.....	-	17	-	-	-	.47	-	142
Virginia.....	7	76	100.0	-	.72	.64	220	150
West Virginia.....	3,580	3,596	75.4	80.4	.84	.74	153	156
Wyoming.....	6,443	5,811	64.7	79.1	.28	.31	107	111
<b>Minnesota.....</b>	<b>12,577</b>	<b>12,675</b>	<b>93.2</b>	<b>96.1</b>	<b>.50</b>	<b>.54</b>	<b>108</b>	<b>117</b>
Illinois.....	59	14	100.0	66.9	1.25	1.14	163	169
Kentucky.....	-	2	-	-	-	.67	-	209
Montana.....	6,725	7,093	94.3	97.4	.64	.72	108	119
Pennsylvania.....	23	3	-	-	1.85	1.88	151	140
West Virginia.....	*	3	-	-	1.23	1.88	125	163
Wyoming.....	5,769	5,560	92.2	94.8	.32	.30	108	115
<b>Mississippi.....</b>	<b>3,774</b>	<b>3,372</b>	<b>85.8</b>	<b>88.8</b>	<b>.87</b>	<b>.91</b>	<b>151</b>	<b>154</b>
Colorado .....	508	963	100.0	98.8	.40	.38	159	161
Illinois.....	1,330	957	74.0	61.8	1.40	1.90	130	123
Kentucky.....	725	611	89.2	100.0	.79	.65	199	209
Montana.....	1,210	840	90.9	100.0	.43	.39	140	140
<b>Missouri.....</b>	<b>25,394</b>	<b>23,428</b>	<b>87.7</b>	<b>88.1</b>	<b>.63</b>	<b>.63</b>	<b>95</b>	<b>100</b>
Colorado .....	-	395	-	100.0	-	.40	-	160
Illinois.....	2,986	3,363	93.6	98.4	2.33	2.00	134	136
Kansas.....	50	188	100.0	100.0	2.50	3.01	134	130
Kentucky.....	42	31	100.0	100.0	.67	.68	209	207
Missouri.....	117	5	98.6	-	2.77	4.29	126	78
Utah.....	-	334	-	100.0	-	.34	-	145
Wyoming.....	22,198	19,113	86.8	85.7	.31	.30	88	88

See footnotes at end of table.

**Table 28. Destination of Coal Received at Electric Utility Plants by Origin, January-September 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>Montana</b> .....	<b>5,061</b>	<b>7,000</b>	<b>100.0</b>	<b>100.0</b>	<b>0.80</b>	<b>0.78</b>	<b>72</b>	<b>66</b>
Montana.....	4,816	7,000	100.0	100.0	.83	.78	73	66
Wyoming.....	245	-	100.0	-	.31	-	56	-
<b>Nebraska</b> .....	<b>7,683</b>	<b>7,717</b>	<b>70.7</b>	<b>69.4</b>	<b>.40</b>	<b>.38</b>	<b>73</b>	<b>75</b>
Colorado.....	-	11	-	-	-	.37	-	110
Montana.....	2	*	-	-	.43	.43	104	103
Wyoming.....	7,681	7,705	70.8	69.5	.40	.38	73	75
<b>Nevada</b> .....	<b>5,078</b>	<b>5,405</b>	<b>99.1</b>	<b>100.0</b>	<b>.44</b>	<b>.45</b>	<b>143</b>	<b>133</b>
Arizona.....	3,235	3,638	100.0	100.0	.46	.48	134	117
Colorado.....	201	150	100.0	100.0	.43	.43	131	143
Utah.....	1,462	1,358	96.9	100.0	.38	.36	159	160
Wyoming.....	180	259	100.0	100.0	.52	.52	190	211
<b>New Hampshire</b> .....	<b>946</b>	<b>1,023</b>	<b>77.0</b>	<b>70.0</b>	<b>1.26</b>	<b>1.03</b>	<b>158</b>	<b>160</b>
Pennsylvania.....	575	566	87.7	100.0	1.17	1.13	162	161
Virginia.....	10	19	100.0	-	.50	.49	201	203
West Virginia.....	301	209	71.2	71.5	1.59	1.40	148	148
Imported coal Colombia.....	32	134	-	-	.54	.48	162	163
Imported coal Indonesia.....	-	40	-	-	-	.39	-	174
Imported coal Venezuela.....	27	54	-	-	.48	.53	160	155
<b>New Jersey</b> .....	<b>1,613</b>	<b>1,511</b>	<b>95.3</b>	<b>97.8</b>	<b>1.06</b>	<b>.90</b>	<b>176</b>	<b>177</b>
Kentucky.....	91	355	91.3	99.5	.51	.49	182	193
Virginia.....	430	495	96.0	100.0	.54	.56	182	172
West Virginia.....	1,093	661	95.4	95.1	1.33	1.39	173	174
<b>New Mexico</b> .....	<b>10,410</b>	<b>10,971</b>	<b>100.0</b>	<b>100.0</b>	<b>.86</b>	<b>.88</b>	<b>147</b>	<b>145</b>
New Mexico.....	10,410	10,971	100.0	100.0	.86	.88	147	145
<b>New York</b> .....	<b>5,723</b>	<b>5,698</b>	<b>90.0</b>	<b>76.7</b>	<b>1.35</b>	<b>1.36</b>	<b>143</b>	<b>141</b>
Kentucky.....	848	617	88.9	98.3	.50	.45	193	198
Pennsylvania.....	2,379	2,435	84.8	57.4	1.38	1.28	132	134
West Virginia.....	2,496	2,618	95.4	90.4	1.61	1.66	137	133
Imported coal Venezuela.....	-	28	-	-	-	.42	-	224
<b>North Carolina</b> .....	<b>17,906</b>	<b>14,496</b>	<b>73.7</b>	<b>90.2</b>	<b>.71</b>	<b>.69</b>	<b>149</b>	<b>165</b>
Kentucky.....	10,419	7,316	70.0	85.5	.75	.70	145	162
Virginia.....	1,095	2,677	66.6	93.2	.85	.84	128	164
West Virginia.....	6,391	4,503	81.0	96.0	.63	.58	158	170
<b>North Dakota</b> .....	<b>17,326</b>	<b>16,562</b>	<b>100.0</b>	<b>100.0</b>	<b>1.08</b>	<b>1.12</b>	<b>73</b>	<b>73</b>
North Dakota.....	17,326	16,562	100.0	100.0	1.08	1.12	73	73
<b>Ohio</b> .....	<b>38,685</b>	<b>35,796</b>	<b>71.3</b>	<b>77.4</b>	<b>1.72</b>	<b>1.56</b>	<b>134</b>	<b>142</b>
Indiana.....	-	14	-	-	-	2.75	-	85
Kentucky.....	6,213	8,766	71.7	72.6	.77	.74	137	147
Montana.....	25	-	-	-	.30	-	150	-
Ohio.....	15,549	12,682	76.1	82.2	2.97	2.92	134	144
Pennsylvania.....	2,569	1,990	64.9	69.2	1.25	1.25	120	121
Virginia.....	-	74	-	-	-	.65	-	146
West Virginia.....	14,191	12,270	67.9	77.7	.91	.83	136	140
Wyoming.....	137	-	-	-	.74	-	161	-
<b>Oklahoma</b> .....	<b>14,983</b>	<b>14,919</b>	<b>98.5</b>	<b>60.5</b>	<b>.39</b>	<b>.42</b>	<b>98</b>	<b>100</b>
Oklahoma.....	104	90	100.0	100.0	2.38	2.27	109	107
Wyoming.....	14,879	14,829	98.5	60.3	.37	.40	98	100
<b>Oregon</b> .....	<b>269</b>	<b>788</b>	-	-	<b>.32</b>	<b>.37</b>	<b>102</b>	<b>108</b>
Wyoming.....	269	788	-	-	.32	.37	102	108
<b>Pennsylvania</b> .....	<b>30,335</b>	<b>28,745</b>	<b>70.7</b>	<b>68.3</b>	<b>1.70</b>	<b>1.73</b>	<b>139</b>	<b>137</b>
Ohio.....	632	933	87.8	83.3	2.96	2.76	168	157
Pennsylvania.....	23,273	21,503	63.7	58.8	1.49	1.48	135	133
West Virginia.....	6,430	6,310	94.6	98.6	2.32	2.40	152	147
<b>South Carolina</b> .....	<b>7,623</b>	<b>7,202</b>	<b>70.5</b>	<b>88.1</b>	<b>.95</b>	<b>.92</b>	<b>147</b>	<b>152</b>
Kentucky.....	6,724	6,373	67.7	87.4	.91	.91	146	152
Tennessee.....	83	-	21.8	-	1.20	-	147	-
Virginia.....	815	793	98.8	96.7	1.23	1.03	155	154
West Virginia.....	-	36	-	22.3	-	.61	-	151
<b>South Dakota</b> .....	<b>1,094</b>	<b>1,487</b>	<b>100.0</b>	<b>100.0</b>	<b>.56</b>	<b>1.47</b>	<b>92</b>	<b>106</b>
Montana.....	1,094	124	100.0	100.0	.56	.73	92	102
North Dakota.....	-	1,363	-	100.0	-	1.56	-	107
<b>Tennessee</b> .....	<b>18,296</b>	<b>17,430</b>	<b>70.7</b>	<b>73.1</b>	<b>1.53</b>	<b>1.63</b>	<b>115</b>	<b>116</b>
Colorado.....	877	196	-	-	.44	.44	107	110
Illinois.....	3,031	2,874	46.2	36.5	1.61	1.88	114	110
Indiana.....	122	-	-	-	1.10	-	117	-
Kentucky.....	10,002	12,001	78.7	80.0	1.86	1.70	113	117
Pennsylvania.....	248	467	100.0	84.4	1.54	1.77	110	109
Tennessee.....	1,598	626	97.2	93.9	1.02	.96	119	123

See footnotes at end of table.

**Table 28. Destination of Coal Received at Electric Utility Plants by Origin, January-September 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>Tennessee</b>								
Utah .....	1,385	662	67.9	92.5	0.40	0.42	122	116
Virginia.....	927	502	100.0	100.0	1.34	1.31	124	126
West Virginia .....	11	101	-	-	3.26	1.76	101	114
Wyoming .....	94	-	-	-	.60	-	114	-
<b>Texas</b> .....	<b>71,238</b>	<b>66,156</b>	<b>93.6</b>	<b>96.5</b>	<b>.95</b>	<b>1.05</b>	<b>128</b>	<b>136</b>
Colorado .....	1,362	1,255	-	44.4	.37	.37	135	170
Texas.....	38,698	36,678	99.9	100.0	1.56	1.75	97	104
Wyoming .....	31,177	28,223	89.9	94.2	.42	.42	157	164
<b>Utah</b> .....	<b>9,905</b>	<b>10,285</b>	<b>95.3</b>	<b>95.7</b>	<b>.41</b>	<b>.40</b>	<b>108</b>	<b>112</b>
Colorado .....	922	669	100.0	100.0	.38	.44	176	214
Utah .....	8,983	9,617	94.8	95.4	.41	.40	101	105
<b>Virginia</b> .....	<b>8,013</b>	<b>6,450</b>	<b>76.2</b>	<b>81.5</b>	<b>.77</b>	<b>.80</b>	<b>143</b>	<b>145</b>
Kentucky.....	2,122	1,932	63.6	76.3	.86	.91	147	145
Virginia.....	4,384	3,454	80.6	91.5	.76	.78	139	142
West Virginia .....	1,508	1,064	81.0	58.3	.70	.65	148	152
<b>Washington</b> .....	<b>3,432</b>	<b>3,927</b>	<b>99.5</b>	<b>85.6</b>	<b>.90</b>	<b>.80</b>	<b>154</b>	<b>144</b>
Montana.....	4	472	-	-	.53	.36	176	125
Utah .....	-	77	-	-	-	.29	-	125
Washington.....	3,416	3,360	100.0	100.0	.90	.90	154	148
Wyoming .....	*	-	-	-	.30	-	109	-
Imported coal Canada .....	12	18	-	-	.44	.47	174	166
<b>West Virginia</b> .....	<b>23,596</b>	<b>22,315</b>	<b>75.0</b>	<b>76.6</b>	<b>1.55</b>	<b>1.59</b>	<b>125</b>	<b>128</b>
Kentucky.....	161	322	78.1	92.8	.76	.67	181	182
Maryland.....	1,375	1,373	75.4	92.7	1.32	1.27	122	126
Ohio .....	1,099	964	30.2	-	3.30	3.26	77	84
Pennsylvania.....	845	409	61.9	-	1.32	1.51	130	98
West Virginia .....	20,116	19,247	77.9	80.6	1.49	1.55	128	130
<b>Wisconsin</b> .....	<b>16,738</b>	<b>15,944</b>	<b>76.3</b>	<b>55.7</b>	<b>.49</b>	<b>.48</b>	<b>107</b>	<b>114</b>
Colorado .....	232	61	12.5	41.1	.43	.42	131	149
Illinois .....	562	880	-	-	.83	.88	129	137
Indiana .....	106	18	-	-	1.25	1.27	135	136
Kentucky.....	22	49	-	-	.57	.65	173	168
Montana.....	1,726	1,534	95.3	-	.61	.66	106	104
New Mexico .....	577	1,393	100.0	100.0	.45	.40	151	158
Pennsylvania.....	891	516	45.5	100.0	1.24	1.14	142	151
Utah .....	124	43	-	-	.41	.44	159	154
West Virginia .....	-	57	-	-	-	.51	-	153
Wyoming .....	12,500	11,392	80.9	60.9	.37	.38	97	101
<b>Wyoming</b> .....	<b>17,203</b>	<b>17,453</b>	<b>98.3</b>	<b>88.1</b>	<b>.60</b>	<b>.57</b>	<b>82</b>	<b>83</b>
Wyoming .....	17,203	17,453	98.3	88.1	.60	.57	82	83
<b>U.S. Total</b> .....	<b>642,311</b>	<b>616,243</b>	<b>81.4</b>	<b>81.7</b>	<b>1.07</b>	<b>1.05</b>	<b>129</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-September 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>12,505</b>	<b>11,611</b>	<b>93.2</b>	<b>96.1</b>	<b>0.91</b>	<b>0.91</b>	<b>177</b>	<b>180</b>
Alabama.....	12,218	11,555	95.4	96.5	.90	.91	178	180
Georgia.....	287	57	-	-	1.53	1.54	133	132
<b>Arizona</b> .....	<b>8,215</b>	<b>8,965</b>	<b>98.4</b>	<b>100.0</b>	<b>.48</b>	<b>.48</b>	<b>124</b>	<b>112</b>
Arizona.....	4,980	5,327	97.3	100.0	.49	.48	117	108
Nevada.....	3,235	3,638	100.0	100.0	.46	.48	134	117
<b>Colorado</b> .....	<b>15,747</b>	<b>16,703</b>	<b>79.8</b>	<b>84.2</b>	<b>.42</b>	<b>.40</b>	<b>125</b>	<b>132</b>
Alabama.....	-	10	-	-	-	.34	-	127
Arizona.....	62	-	-	-	.34	-	116	-
Colorado.....	7,527	8,377	93.8	90.8	.42	.40	113	112
Florida.....	139	567	100.0	100.0	.37	.33	191	185
Illinois.....	578	1,197	94.6	41.1	.45	.39	133	136
Iowa.....	332	261	93.9	100.0	.55	.51	130	127
Kansas.....	1,054	992	100.0	100.0	.42	.33	122	119
Kentucky.....	1,550	1,154	89.5	86.5	.40	.42	127	121
Michigan.....	404	445	100.0	90.1	.46	.46	132	140
Mississippi.....	508	963	100.0	98.8	.40	.38	159	161
Missouri.....	-	395	-	100.0	-	.40	-	160
Nebraska.....	-	11	-	-	-	.37	-	110
Nevada.....	201	150	100.0	100.0	.43	.43	131	143
Tennessee.....	877	196	-	-	.44	.44	107	110
Texas.....	1,362	1,255	-	44.4	.37	.37	135	170
Utah.....	922	669	100.0	100.0	.38	.44	176	214
Wisconsin.....	232	61	12.5	41.1	.43	.42	131	149
<b>Illinois</b> .....	<b>32,624</b>	<b>31,643</b>	<b>70.7</b>	<b>72.8</b>	<b>2.00</b>	<b>2.07</b>	<b>138</b>	<b>140</b>
Alabama.....	1,213	646	-	3.9	1.57	1.96	126	106
Florida.....	4,678	4,563	63.7	59.3	1.74	1.89	183	180
Georgia.....	929	422	-	-	.98	.92	147	160
Illinois.....	9,934	8,787	88.3	93.2	2.38	2.37	129	135
Indiana.....	7,572	8,184	78.0	81.5	2.13	2.20	134	140
Iowa.....	122	571	51.8	56.4	1.65	2.06	116	113
Kansas.....	147	138	81.6	93.1	2.48	2.02	163	339
Kentucky.....	32	213	-	10.3	3.12	3.22	92	94
Michigan.....	29	30	-	-	.78	.92	147	146
Minnesota.....	59	14	100.0	66.9	1.25	1.14	163	169
Mississippi.....	1,330	957	74.0	61.8	1.40	1.90	130	123
Missouri.....	2,986	3,363	93.6	98.4	2.33	2.00	134	136
Tennessee.....	3,031	2,874	46.2	36.5	1.61	1.88	114	110
Wisconsin.....	562	880	-	-	.83	.88	129	137
<b>Indiana</b> .....	<b>17,300</b>	<b>15,456</b>	<b>51.0</b>	<b>65.7</b>	<b>2.18</b>	<b>2.09</b>	<b>108</b>	<b>119</b>
Illinois.....	835	838	2.7	64.7	1.11	.76	138	151
Indiana.....	13,832	12,453	48.0	63.1	2.19	2.12	109	119
Iowa.....	253	87	-	100.0	1.58	2.60	118	124
Kentucky.....	2,013	1,927	100.0	80.4	2.85	2.44	89	103
Michigan.....	140	118	100.0	100.0	1.49	1.79	134	133
Ohio.....	-	14	-	-	-	2.75	-	85
Tennessee.....	122	-	-	-	1.10	-	117	-
Wisconsin.....	106	18	-	-	1.25	1.27	135	136
<b>Kansas</b> .....	<b>122</b>	<b>257</b>	<b>100.0</b>	<b>100.0</b>	<b>2.14</b>	<b>2.83</b>	<b>133</b>	<b>129</b>
Kansas.....	71	69	100.0	100.0	1.90	2.38	131	127
Missouri.....	50	188	100.0	100.0	2.50	3.01	134	130
<b>Kentucky</b> .....	<b>87,793</b>	<b>89,552</b>	<b>69.6</b>	<b>77.3</b>	<b>1.35</b>	<b>1.28</b>	<b>137</b>	<b>145</b>
Alabama.....	3,092	3,724	61.1	47.8	1.69	1.50	116	127
Connecticut.....	685	607	100.0	100.0	.42	.43	191	188
Florida.....	10,755	9,371	59.8	72.5	1.18	1.13	173	178
Georgia.....	10,741	11,256	61.6	80.2	.80	.79	152	165
Illinois.....	294	745	91.5	88.0	.46	.50	172	165
Indiana.....	607	648	86.3	94.4	1.39	1.25	132	137
Iowa.....	113	-	100.0	-	2.30	-	108	-
Kentucky.....	20,636	20,211	70.2	73.2	2.45	2.31	104	111
Maryland.....	585	471	65.1	61.4	.57	.54	152	152
Massachusetts.....	374	339	69.1	58.1	.51	.50	182	182
Michigan.....	2,540	3,806	90.4	86.4	.73	.68	165	168
Minnesota.....	-	2	-	-	-	.67	-	209
Mississippi.....	725	611	89.2	100.0	.79	.65	199	209
Missouri.....	42	31	100.0	100.0	.67	.68	209	207
New Jersey.....	91	355	91.3	99.5	.51	.49	182	193
New York.....	848	617	88.9	98.3	.50	.45	193	198
North Carolina.....	10,419	7,316	70.0	85.5	.75	.70	145	162

See footnotes at end of table.



**Table 29. Origin of Coal Received at Electric Utility Plants by Destination, January-September 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>Kentucky</b>								
Ohio.....	6,213	8,766	71.7	72.6	0.77	0.74	137	147
South Carolina.....	6,724	6,373	67.7	87.4	.91	.91	146	152
Tennessee.....	10,002	12,001	78.7	80.0	1.86	1.70	113	117
Virginia.....	2,122	1,932	63.6	76.3	.86	.91	147	145
West Virginia.....	161	322	78.1	92.8	.76	.67	181	182
Wisconsin.....	22	49	-	-	.57	.65	173	168
<b>Louisiana</b>	<b>2,471</b>	<b>2,616</b>	<b>100.0</b>	<b>100.0</b>	<b>1.40</b>	<b>1.75</b>	<b>140</b>	<b>133</b>
Louisiana.....	2,471	2,616	100.0	100.0	1.40	1.75	140	133
<b>Maryland</b>	<b>2,256</b>	<b>2,438</b>	<b>75.6</b>	<b>78.4</b>	<b>1.22</b>	<b>1.19</b>	<b>139</b>	<b>140</b>
Delaware.....	204	141	87.7	84.1	1.03	1.07	151	148
Maryland.....	677	924	72.5	56.2	1.08	1.10	167	158
West Virginia.....	1,375	1,373	75.4	92.7	1.32	1.27	122	126
<b>Missouri</b>	<b>418</b>	<b>146</b>	<b>74.7</b>	-	<b>3.36</b>	<b>3.36</b>	<b>109</b>	<b>114</b>
Kansas.....	301	141	65.4	-	3.59	3.33	102	116
Missouri.....	117	5	98.6	-	2.77	4.29	126	78
<b>Montana</b>	<b>24,637</b>	<b>25,893</b>	<b>96.0</b>	<b>91.2</b>	<b>.57</b>	<b>.60</b>	<b>129</b>	<b>128</b>
Colorado.....	3	-	-	-	.23	-	96	-
Illinois.....	1,581	1,695	100.0	98.6	.38	.39	260	261
Indiana.....	708	604	100.0	100.0	.37	.39	250	265
Michigan.....	6,743	6,530	94.4	99.2	.41	.40	149	153
Minnesota.....	6,725	7,093	94.3	97.4	.64	.72	108	119
Mississippi.....	1,210	840	90.9	100.0	.43	.39	140	140
Montana.....	4,816	7,000	100.0	100.0	.83	.78	73	66
Nebraska.....	2	*	-	-	.43	.43	104	103
Ohio.....	25	-	-	-	.30	-	150	-
South Dakota.....	1,094	124	100.0	100.0	.56	.73	92	102
Washington.....	4	472	-	-	.53	.36	176	125
Wisconsin.....	1,726	1,534	95.3	-	.61	.66	106	104
<b>New Mexico</b>	<b>17,215</b>	<b>19,360</b>	<b>94.4</b>	<b>90.5</b>	<b>.75</b>	<b>.71</b>	<b>156</b>	<b>153</b>
Arizona.....	6,228	6,996	84.4	73.8	.60	.53	172	163
New Mexico.....	10,410	10,971	100.0	100.0	.86	.88	147	145
Wisconsin.....	577	1,393	100.0	100.0	.45	.40	151	158
<b>North Dakota</b>	<b>17,326</b>	<b>17,925</b>	<b>100.0</b>	<b>100.0</b>	<b>1.08</b>	<b>1.15</b>	<b>73</b>	<b>76</b>
North Dakota.....	17,326	16,562	100.0	100.0	1.08	1.12	73	73
South Dakota.....	-	1,363	-	100.0	-	1.56	-	107
<b>Ohio</b>	<b>18,484</b>	<b>15,753</b>	<b>69.6</b>	<b>72.9</b>	<b>3.02</b>	<b>2.96</b>	<b>130</b>	<b>138</b>
Alabama.....	66	-	-	-	3.43	-	118	-
Indiana.....	774	740	-	6.5	3.66	3.44	105	102
Kentucky.....	339	325	35.4	39.3	3.27	3.27	94	97
Michigan.....	25	109	100.0	100.0	2.16	2.58	154	173
Ohio.....	15,549	12,682	76.1	82.2	2.97	2.92	134	144
Pennsylvania.....	632	933	87.8	83.3	2.96	2.76	168	157
West Virginia.....	1,099	964	30.2	-	3.30	3.26	77	84
<b>Oklahoma</b>	<b>104</b>	<b>90</b>	<b>100.0</b>	<b>100.0</b>	<b>2.38</b>	<b>2.27</b>	<b>109</b>	<b>107</b>
Oklahoma.....	104	90	100.0	100.0	2.38	2.27	109	107
<b>Pennsylvania</b>	<b>34,841</b>	<b>32,017</b>	<b>64.3</b>	<b>60.4</b>	<b>1.42</b>	<b>1.41</b>	<b>133</b>	<b>133</b>
Alabama.....	212	18	100.0	-	1.74	1.20	111	119
Delaware.....	295	250	45.8	11.8	1.09	1.09	145	149
Indiana.....	395	342	-	100.0	1.85	1.82	109	102
Kentucky.....	358	380	5.5	-	1.26	1.62	103	102
Maryland.....	1,161	1,111	53.1	68.0	1.10	1.03	155	151
Massachusetts.....	142	161	75.2	100.0	.98	1.04	159	158
Michigan.....	1,473	1,864	77.0	60.9	1.22	1.14	119	138
Minnesota.....	23	3	-	-	1.85	1.88	151	140
New Hampshire.....	575	566	87.7	100.0	1.17	1.13	162	161
New York.....	2,379	2,435	84.8	57.4	1.38	1.28	132	134
Ohio.....	2,569	1,990	64.9	69.2	1.25	1.25	120	121
Pennsylvania.....	23,273	21,503	63.7	58.8	1.49	1.48	135	133
Tennessee.....	248	467	100.0	84.4	1.54	1.77	110	109
West Virginia.....	845	409	61.9	-	1.32	1.51	130	98
Wisconsin.....	891	516	45.5	100.0	1.24	1.14	142	151
<b>Tennessee</b>	<b>2,203</b>	<b>1,232</b>	<b>95.0</b>	<b>92.4</b>	<b>.95</b>	<b>.86</b>	<b>123</b>	<b>137</b>
Alabama.....	522	459	100.0	95.5	.70	.69	132	132
Florida.....	-	111	-	100.0	-	.90	-	229
Georgia.....	-	27	-	-	-	.99	-	158
Kentucky.....	-	9	-	-	-	1.99	-	116
South Carolina.....	83	-	21.8	-	1.20	-	147	-
Tennessee.....	1,598	626	97.2	93.9	1.02	.96	119	123

See footnotes at end of table.

**Table 29. Origin of Coal Received at Electric Utility Plants by Destination, January-September 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>Texas</b> .....	<b>38,698</b>	<b>36,678</b>	<b>99.9</b>	<b>100.0</b>	<b>1.56</b>	<b>1.75</b>	<b>97</b>	<b>104</b>
Texas.....	38,698	36,678	99.9	100.0	1.56	1.75	97	104
<b>Utah</b> .....	<b>13,329</b>	<b>13,379</b>	<b>84.4</b>	<b>87.9</b>	<b>.40</b>	<b>.39</b>	<b>114</b>	<b>116</b>
Illinois.....	1,376	1,259	27.6	21.9	.38	.37	137	139
Kentucky.....	-	12	-	99.2	-	.52	-	144
Michigan.....	-	17	-	-	-	.47	-	142
Missouri.....	-	334	-	100.0	-	.34	-	145
Nevada.....	1,462	1,358	96.9	100.0	.38	.36	159	160
Tennessee.....	1,385	662	67.9	92.5	.40	.42	122	116
Utah.....	8,983	9,617	94.8	95.4	.41	.40	101	105
Washington.....	-	77	-	-	-	.29	-	125
Wisconsin.....	124	43	-	-	.41	.44	159	154
<b>Virginia</b> .....	<b>10,825</b>	<b>11,265</b>	<b>78.9</b>	<b>90.1</b>	<b>.80</b>	<b>.79</b>	<b>148</b>	<b>157</b>
Alabama.....	1	-	100.0	-	.51	-	131	-
Delaware.....	-	7	-	-	-	1.12	-	149
Florida.....	641	456	100.0	100.0	.57	.56	214	214
Georgia.....	1,797	1,646	42.1	73.3	.67	.78	158	165
Indiana.....	718	773	100.0	100.0	.53	.54	155	150
Maryland.....	-	292	-	100.0	-	.52	-	180
Michigan.....	7	76	100.0	-	.72	.64	220	150
New Hampshire.....	10	19	100.0	-	.50	.49	201	203
New Jersey.....	430	495	96.0	100.0	.54	.56	182	172
North Carolina.....	1,095	2,677	66.6	93.2	.85	.84	128	164
Ohio.....	-	74	-	-	-	.65	-	146
South Carolina.....	815	793	98.8	96.7	1.23	1.03	155	154
Tennessee.....	927	502	100.0	100.0	1.34	1.31	124	126
Virginia.....	4,384	3,454	80.6	91.5	.76	.78	139	142
<b>Washington</b> .....	<b>3,416</b>	<b>3,360</b>	<b>100.0</b>	<b>100.0</b>	<b>.90</b>	<b>.90</b>	<b>154</b>	<b>148</b>
Washington.....	3,416	3,360	100.0	100.0	.90	.90	154	148
<b>West Virginia</b> .....	<b>75,420</b>	<b>67,089</b>	<b>75.3</b>	<b>81.0</b>	<b>1.18</b>	<b>1.18</b>	<b>142</b>	<b>144</b>
Alabama.....	1,823	2,090	73.6	68.2	1.02	.97	131	133
Delaware.....	697	874	94.5	95.7	.58	.59	166	169
Florida.....	1,323	1,105	59.3	80.1	1.25	.88	164	178
Georgia.....	3,059	2,761	57.6	65.2	.57	.55	191	197
Indiana.....	839	423	52.8	84.7	1.49	.61	136	166
Kentucky.....	4,144	3,186	63.2	74.1	1.11	.86	114	117
Maryland.....	5,765	4,315	63.0	74.4	.82	.74	147	146
Massachusetts.....	1,651	1,661	84.0	72.8	.56	.55	175	173
Michigan.....	3,580	3,596	75.4	80.4	.84	.74	153	156
Minnesota.....	*	3	-	-	1.23	1.88	125	163
New Hampshire.....	301	209	71.2	71.5	1.59	1.40	148	148
New Jersey.....	1,093	661	95.4	95.1	1.33	1.39	173	174
New York.....	2,496	2,618	95.4	90.4	1.61	1.66	137	133
North Carolina.....	6,391	4,503	81.0	96.0	.63	.58	158	170
Ohio.....	14,191	12,270	67.9	77.7	.91	.83	136	140
Pennsylvania.....	6,430	6,310	94.6	98.6	2.32	2.40	152	147
South Carolina.....	-	36	-	22.3	-	.61	-	151
Tennessee.....	11	101	-	-	3.26	1.76	101	114
Virginia.....	1,508	1,064	81.0	58.3	.70	.65	148	152
West Virginia.....	20,116	19,247	77.9	80.6	1.49	1.55	128	130
Wisconsin.....	-	57	-	-	-	.51	-	153
<b>Wyoming</b> .....	<b>202,777</b>	<b>189,568</b>	<b>86.8</b>	<b>80.1</b>	<b>.40</b>	<b>.40</b>	<b>117</b>	<b>120</b>
Alabama.....	2,644	2,342	98.6	-	.33	.38	112	114
Arkansas.....	11,325	10,408	96.5	97.2	.38	.38	148	163
Colorado.....	4,379	4,067	94.7	100.0	.35	.37	87	88
Florida.....	407	-	-	-	.25	-	143	-
Georgia.....	5,611	5,058	-	-	.47	.44	151	152
Illinois.....	12,640	10,450	92.4	92.4	.35	.34	192	190
Indiana.....	14,163	13,197	92.0	96.0	.36	.36	115	115
Iowa.....	13,346	13,234	83.6	70.6	.45	.46	93	97
Kansas.....	12,234	11,892	90.6	71.9	.43	.43	95	98
Kentucky.....	109	-	-	-	.79	-	92	-
Louisiana.....	7,145	7,788	100.0	100.0	.50	.46	155	160
Michigan.....	6,443	5,811	64.7	79.1	.28	.31	107	111
Minnesota.....	5,769	5,560	92.2	94.8	.32	.30	108	115
Missouri.....	22,198	19,113	86.8	85.7	.31	.30	88	88
Montana.....	245	-	100.0	-	.31	-	56	-
Nebraska.....	7,681	7,705	70.8	69.5	.40	.38	73	75
Nevada.....	180	259	100.0	100.0	.52	.52	190	211

See footnotes at end of table.

**Table 29. Origin of Coal Received at Electric Utility Plants by Destination, January-September 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>Wyoming</b>								
Ohio .....	137	-	-	-	0.74	-	161	-
Oklahoma .....	14,879	14,829	98.5	60.3	.37	0.40	98	100
Oregon .....	269	788	-	-	.32	.37	102	108
Tennessee .....	94	-	-	-	.60	-	114	-
Texas.....	31,177	28,223	89.9	94.2	.42	.42	157	164
Washington.....	*	-	-	-	.30	-	109	-
Wisconsin .....	12,500	11,392	80.9	60.9	.37	.38	97	101
Wyoming.....	17,203	17,453	98.3	88.1	.60	.57	82	83
<b>Imported Coal.....</b>	<b>3,583</b>	<b>3,246</b>	<b>90.2</b>	<b>82.1</b>	<b>.54</b>	<b>.57</b>	<b>163</b>	<b>174</b>
<b>Canada .....</b>	<b>12</b>	<b>18</b>	<b>-</b>	<b>-</b>	<b>.44</b>	<b>.47</b>	<b>174</b>	<b>166</b>
Washington .....	12	18	-	-	.44	.47	174	166
<b>Colombia .....</b>	<b>1,641</b>	<b>1,493</b>	<b>93.7</b>	<b>84.8</b>	<b>.53</b>	<b>.54</b>	<b>155</b>	<b>153</b>
Florida .....	1,100	998	100.0	97.3	.55	.57	153	151
Massachusetts.....	508	361	86.2	81.9	.49	.49	159	154
New Hampshire .....	32	134	-	-	.54	.48	162	163
<b>Venezuela.....</b>	<b>1,421</b>	<b>1,411</b>	<b>83.3</b>	<b>94.1</b>	<b>.63</b>	<b>.63</b>	<b>174</b>	<b>200</b>
Florida .....	298	731	100.0	100.0	.79	.75	232	232
Georgia.....	210	-	-	-	.89	-	153	-
Massachusetts.....	886	598	100.0	100.0	.53	.51	161	165
New Hampshire .....	27	54	-	-	.48	.53	160	155
New York.....	-	28	-	-	-	.42	-	224
<b>Indonesia .....</b>	<b>509</b>	<b>324</b>	<b>100.0</b>	<b>21.6</b>	<b>.24</b>	<b>.35</b>	<b>150</b>	<b>147</b>
Florida .....	509	284	100.0	24.6	.24	.34	150	142
New Hampshire .....	-	40	-	-	-	.39	-	174
<b>U.S. Total.....</b>	<b>642,311</b>	<b>616,243</b>	<b>81.4</b>	<b>81.7</b>	<b>1.07</b>	<b>1.05</b>	<b>129</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	July - September 1996	April - June 1996	July - September 1995	Year to Date		
				1996	1995	Percent Change
<b>By State</b>						
Alabama.....	795	832	767	2,453	2,424	1.2
Illinois.....	w	w	w	w	w	w
Indiana.....	594	1,586	1,422	3,727	4,315	-13.6
Kentucky.....	w	w	w	w	w	w
Michigan.....	w	w	w	w	w	w
New York.....	w	w	w	w	w	w
Ohio.....	441	453	684	1,305	2,142	-39.1
Pennsylvania.....	2,850	2,442	2,541	8,010	8,117	-1.3
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.....	831	1,039	1,029	2,908	3,154	-7.8
Furnace Coke Plants.....	6,483	6,964	7,106	20,319	21,434	-5.2
<b>U.S. Total.....</b>	<b>7,315</b>	<b>8,003</b>	<b>8,135</b>	<b>23,226</b>	<b>24,588</b>	<b>-5.5</b>

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

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

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>	July - September 1996	April - June 1996	July - September 1995	Year to Date		
				1996	1995	Percent Change
<b>By State</b>						
Alabama.....	\$49.35	\$49.38	\$48.37	\$49.37	\$48.43	1.9
Illinois.....	w	w	w	w	w	w
Indiana.....	\$54.36	\$54.46	\$52.36	\$52.76	\$52.48	.5
Kentucky.....	w	w	w	w	w	w
Michigan.....	w	w	w	w	w	w
New York.....	w	w	w	w	w	w
Ohio.....	\$45.78	\$44.80	\$42.93	\$44.92	\$42.10	6.7
Pennsylvania.....	43.06	46.06	45.06	44.97	45.98	-2.2
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.....	\$48.40	\$48.91	\$48.14	\$48.90	\$48.31	1.2
Furnace Coke Plants.....	45.00	47.41	46.86	46.57	47.11	-1.1
<b>U.S. Total.....</b>	<b>45.39</b>	<b>47.60</b>	<b>47.02</b>	<b>46.86</b>	<b>47.26</b>	<b>-9</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	July - September 1996	April - June 1996	July - September 1995	Year to Date		
				1996	1995	Percent Change
<b>New England Total</b> .....	<b>51</b>	<b>74</b>	<b>81</b>	<b>187</b>	<b>254</b>	<b>-26.2</b>
Connecticut.....	-	-	-	-	*	-
Maine.....	w	w	w	w	w	w
Massachusetts.....	w	w	w	w	w	w
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.....	w	w	w	w	w	w
New York.....	441	364	327	1,088	911	19.4
Pennsylvania.....	1,089	1,061	905	3,193	2,928	9.1
<b>East North Central Total</b> .....	<b>4,188</b>	<b>4,100</b>	<b>3,964</b>	<b>12,164</b>	<b>11,636</b>	<b>4.5</b>
Illinois.....	900	892	845	2,738	2,616	4.7
Indiana.....	1,245	1,211	1,066	3,582	3,021	18.6
Michigan.....	765	735	662	1,903	1,907	-2
Ohio.....	839	872	787	2,720	2,652	2.6
Wisconsin.....	438	390	604	1,219	1,441	-15.4
<b>West North Central Total</b> .....	<b>3,390</b>	<b>3,147</b>	<b>3,915</b>	<b>9,896</b>	<b>10,245</b>	<b>-3.4</b>
Iowa.....	867	789	860	2,208	2,116	4.3
Kansas.....	41	38	31	120	98	22.5
Minnesota.....	406	431	326	1,383	1,091	26.8
Missouri.....	284	266	283	834	801	4.1
Nebraska.....	w	w	w	w	w	w
North Dakota.....	w	w	w	w	w	w
South Dakota.....	102	99	113	278	320	-13.1
<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.....	346	279	328	949	939	1.1
Georgia.....	447	477	409	1,451	1,443	.6
Maryland.....	182	193	191	564	562	.5
North Carolina.....	506	554	585	1,696	1,827	-7.1
South Carolina.....	485	429	514	1,479	1,529	-3.2
Virginia.....	596	624	596	1,886	1,912	-1.4
West Virginia.....	441	423	439	1,296	1,473	-12.0
<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.....	630	629	544	1,930	1,661	16.2
Kentucky.....	457	477	681	1,463	1,610	-9.1
Mississippi.....	w	w	w	w	w	w
Tennessee.....	875	873	890	2,731	2,798	-2.4
<b>West South Central Total</b> .....	<b>1,463</b>	<b>1,558</b>	<b>1,559</b>	<b>4,444</b>	<b>4,781</b>	<b>-7.1</b>
Arkansas.....	83	83	79	250	254	-1.4
Louisiana.....	w	w	w	w	w	w
Oklahoma.....	w	w	w	w	w	w
Texas.....	1,191	1,262	1,010	3,581	3,132	14.3
<b>Mountain Total</b> .....	<b>1,188</b>	<b>1,017</b>	<b>1,437</b>	<b>3,249</b>	<b>4,223</b>	<b>-23.1</b>
Arizona.....	188	149	149	503	491	2.3
Colorado.....	170	156	202	479	529	-9.4
Idaho.....	w	w	w	w	w	w
Montana.....	w	w	w	w	w	w
Nevada.....	w	w	w	w	w	w
New Mexico.....	w	w	w	w	w	w
Utah.....	158	127	278	375	742	-49.4
Wyoming.....	488	479	452	1,447	1,451	-2
<b>Pacific Total</b> .....	<b>625</b>	<b>559</b>	<b>712</b>	<b>1,809</b>	<b>2,136</b>	<b>-15.3</b>
Alaska.....	w	w	w	w	w	w
California.....	546	488	605	1,566	1,788	-12.4
Hawaii.....	w	w	w	w	w	w
Oregon.....	w	w	w	w	w	w
Washington.....	34	39	53	107	153	-29.7
<b>U.S. Total</b> .....	<b>17,501</b>	<b>16,921</b>	<b>18,225</b>	<b>51,773</b>	<b>53,221</b>	<b>-2.7</b>

\* Rounded to zero.

w 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	July - September 1996	April - June 1996	July - September 1995	Year to Date		
				1996	1995	Percent Change
<b>New England Total</b> .....	<b>\$59.34</b>	<b>\$56.48</b>	<b>\$57.83</b>	<b>\$57.74</b>	<b>\$57.72</b>	<b>*</b>
Connecticut.....	—	—	—	—	—	—
Maine.....	w	w	w	w	w	w
Massachusetts.....	w	w	w	w	w	w
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.....	w	w	w	w	w	w
New York.....	\$40.25	\$39.93	\$42.54	\$40.15	\$42.17	-4.8
Pennsylvania.....	33.20	33.87	33.68	33.71	34.06	-1.0
<b>East North Central Total</b> .....	<b>33.99</b>	<b>34.57</b>	<b>34.95</b>	<b>34.48</b>	<b>34.85</b>	<b>-1.1</b>
Illinois.....	29.75	29.60	28.85	29.65	28.93	2.5
Indiana.....	31.29	31.84	33.85	31.91	33.02	-3.3
Michigan.....	39.98	41.34	41.13	41.28	41.29	*
Ohio.....	34.43	35.19	34.05	35.33	35.31	.1
Wisconsin.....	39.22	40.34	39.14	40.44	40.16	.7
<b>West North Central Total</b> .....	<b>19.58</b>	<b>19.51</b>	<b>19.56</b>	<b>19.22</b>	<b>18.94</b>	<b>1.5</b>
Iowa.....	30.37	30.22	30.44	29.40	29.25	.5
Kansas.....	32.21	31.78	32.33	32.51	32.45	.2
Minnesota.....	28.96	29.39	35.33	29.52	35.19	-16.1
Missouri.....	30.83	31.54	32.56	31.76	32.65	-2.7
Nebraska.....	w	w	w	w	w	w
North Dakota.....	w	w	w	w	w	w
South Dakota.....	\$22.49	\$24.86	\$22.48	\$24.57	\$22.37	9.8
<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.....	\$45.91	\$45.64	\$46.50	\$45.77	\$46.66	-1.9
Georgia.....	44.40	43.64	45.18	44.21	44.64	-1.0
Maryland.....	32.61	32.27	31.31	32.33	31.60	2.3
North Carolina.....	42.92	43.76	43.26	43.27	43.28	*
South Carolina.....	44.59	43.82	43.29	43.94	43.05	2.1
Virginia.....	43.39	43.75	42.89	43.41	42.51	2.1
West Virginia.....	32.84	32.75	32.55	33.10	33.82	-2.1
<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.....	\$40.09	\$39.96	\$39.06	\$40.11	\$39.47	1.6
Kentucky.....	43.22	44.16	43.13	43.74	44.40	-1.5
Mississippi.....	w	w	w	w	w	w
Tennessee.....	\$35.00	\$35.18	\$35.59	\$35.27	\$35.63	-1.0
<b>West South Central Total</b> .....	<b>21.85</b>	<b>22.07</b>	<b>21.44</b>	<b>21.79</b>	<b>22.12</b>	<b>-1.5</b>
Arkansas.....	42.48	43.62	43.70	43.39	43.31	.2
Louisiana.....	w	w	w	w	w	w
Oklahoma.....	w	w	w	w	w	w
Texas.....	\$18.80	\$19.73	\$18.10	\$18.97	\$18.61	2.0
<b>Mountain Total</b> .....	<b>27.04</b>	<b>26.44</b>	<b>27.17</b>	<b>26.81</b>	<b>27.40</b>	<b>-2.2</b>
Arizona.....	39.71	39.41	40.73	39.60	41.23	-4.0
Colorado.....	24.48	24.59	27.40	24.54	26.98	-9.0
Idaho.....	w	w	w	w	w	w
Montana.....	w	w	w	w	w	w
Nevada.....	w	w	w	w	w	w
New Mexico.....	w	w	w	w	w	w
Utah.....	\$17.79	\$19.57	\$19.28	\$19.12	\$19.62	-2.5
Wyoming.....	22.40	22.65	22.43	22.52	22.69	-.7
<b>Pacific Total</b> .....	<b>41.80</b>	<b>42.82</b>	<b>45.23</b>	<b>42.20</b>	<b>44.62</b>	<b>-5.4</b>
Alaska.....	w	w	w	w	w	w
California.....	\$39.61	\$39.77	\$41.34	\$39.46	\$41.63	-5.2
Hawaii.....	w	w	w	w	w	w
Oregon.....	w	w	w	w	w	w
Washington.....	\$58.80	\$59.05	\$61.65	\$59.39	\$59.76	-.6
<b>U.S. Total</b> .....	<b>32.08</b>	<b>32.35</b>	<b>32.36</b>	<b>32.30</b>	<b>32.46</b>	<b>-5</b>

\* Rounded to zero.

w 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	July - September 1996	April - June 1996	July - September 1995	Year to Date		
				1996	1995	Percent Change
20 Food and kindred products .....	1,894	1,702	1,920	5,518	5,850	-5.7
21 Tobacco products .....	143	138	142	434	434	*
22 Textile mill products .....	185	237	178	733	709	3.4
23 Apparel, other textile products .....	w	w	w	w	w	w
24 Lumber and wood products .....	w	w	w	w	w	w
25 Furniture and fixtures .....	25	16	24	58	51	13.6
26 Paper and allied products .....	3,282	3,092	3,078	9,706	9,431	2.9
27 Printing and publishing .....	w	w	w	w	w	w
28 Chemicals, allied products .....	3,024	3,068	3,025	9,449	9,590	-1.5
29 Petroleum and coal products <sup>1</sup> .....	1,724	1,608	1,786	5,155	5,532	-6.8
30 Rubber, misc. plastic products .....	46	48	46	155	177	-12.2
31 Leather, leather products .....	w	w	w	w	w	w
32 Stone, clay, glass products .....	3,611	3,401	3,312	9,751	9,420	3.5
33 Primary metal industries <sup>2</sup> .....	2,182	2,092	1,970	6,149	5,341	15.1
34 Fabricated metal products .....	40	54	46	179	190	-5.5
35 Machinery, except electric .....	66	93	93	257	288	-10.8
36 Electric, electronic equipment .....	w	w	w	w	w	w
37 Transportation equipment .....	130	220	188	741	875	-15.3
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>16,589</b>	<b>16,009</b>	<b>16,033</b>	<b>49,037</b>	<b>48,629</b>	<b>.8</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	July - September 1996	April - June 1996	July - September 1995	Percent Difference July - September: 1996 versus 1995
20 Food and kindred products.....	\$30.46	\$30.41	\$31.01	-1.8
21 Tobacco products.....	45.59	45.52	46.87	-2.7
22 Textile mill products .....	45.68	47.12	45.53	.3
23 Apparel, other textile products.....	w	w	w	w
24 Lumber and wood products .....	w	w	w	w
25 Furniture and fixtures .....	\$49.25	\$51.10	\$50.25	-2.0
26 Paper and allied products .....	39.58	39.33	39.59	*
27 Printing and publishing .....	w	w	w	w
28 Chemicals, allied products .....	\$34.44	\$34.24	\$34.78	-1.0
29 Petroleum and coal products <sup>1</sup> .....	11.65	11.50	11.51	1.2
30 Rubber, misc. plastic products .....	32.63	31.39	33.42	-2.4
31 Leather, leather products .....	w	w	w	w
32 Stone, clay, glass products .....	\$35.24	\$35.60	\$35.37	-4
33 Primary metal industries <sup>2</sup> .....	25.99	26.53	27.85	-6.7
34 Fabricated metal products .....	43.59	44.21	44.58	-2.2
35 Machinery, except electric .....	37.19	36.07	33.35	11.5
36 Electric, electronic equipment.....	w	w	w	w
37 Transportation equipment.....	\$40.67	\$42.19	\$41.00	-8
38 Instruments, related products .....	w	w	w	w
39 Misc. manufacturing industries .....	w	w	w	w
<b>U.S. Total .....</b>	<b>\$32.08</b>	<b>\$32.35</b>	<b>\$32.36</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 36. Coal Receipts by the Residential and Commercial Sector by Census Division and State**  
(Thousand Short Tons)

Census Division and State	July - September 1996	April - June 1996	July - September 1995	Year to Date		
				1996	1995	Percent Change
<b>New England Total</b> .....	<b>14</b>	<b>14</b>	<b>16</b>	<b>49</b>	<b>27</b>	<b>81.8</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>276</b>	<b>276</b>	<b>264</b>	<b>965</b>	<b>916</b>	<b>5.4</b>
New Jersey.....	w	w	w	w	w	w
New York .....	w	w	w	w	w	w
Pennsylvania .....	230	230	204	806	762	5.7
<b>East North Central Total</b> .....	<b>260</b>	<b>260</b>	<b>222</b>	<b>911</b>	<b>881</b>	<b>3.4</b>
Illinois .....	w	w	w	w	w	w
Indiana.....	57	57	49	201	188	6.5
Michigan .....	w	w	w	w	w	w
Ohio.....	82	82	34	286	219	30.8
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.....	18	18	57	63	84	-24.8
Kansas .....	18	18	18	64	18	252.0
Minnesota .....	53	53	40	184	212	-13.0
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>191</b>	<b>191</b>	<b>158</b>	<b>668</b>	<b>538</b>	<b>24.2</b>
Delaware .....	w	w	w	w	w	w
District of Columbia.....	1	1	2	4	2	76.3
Florida .....	*	*	-	1	*	339.6
Georgia.....	12	12	10	42	53	-21.8
Maryland .....	w	w	w	w	w	w
North Carolina .....	45	45	38	157	168	-7.0
South Carolina .....	3	3	-	12	15	-21.9
Virginia .....	w	w	w	w	w	w
West Virginia.....	w	w	w	w	w	w
<b>East South Central Total</b> .....	<b>57</b>	<b>57</b>	<b>55</b>	<b>198</b>	<b>200</b>	<b>-1.0</b>
Alabama .....	1	1	1	5	2	181.4
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>3</b>	<b>3</b>	<b>*</b>	<b>12</b>	<b>16</b>	<b>-29.1</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.....	1	1	2	4	5	-28.9
Colorado.....	4	4	8	14	13	8.9
Idaho .....	8	8	4	27	25	6.7
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.....	29	29	7	102	87	16.8
<b>Pacific Total</b> .....	<b>147</b>	<b>147</b>	<b>168</b>	<b>514</b>	<b>488</b>	<b>5.3</b>
Alaska .....	105	105	84	366	341	7.4
California .....	27	27	57	93	91	2.6
Hawaii .....	-	-	-	-	-	-
Oregon.....	*	*	*	*	*	169.4
Washington .....	16	16	27	55	57	-3.9
<b>U.S. Total</b> .....	<b>1,165</b>	<b>1,165</b>	<b>1,063</b>	<b>4,077</b>	<b>3,733</b>	<b>9.2</b>

\* Rounded to zero.

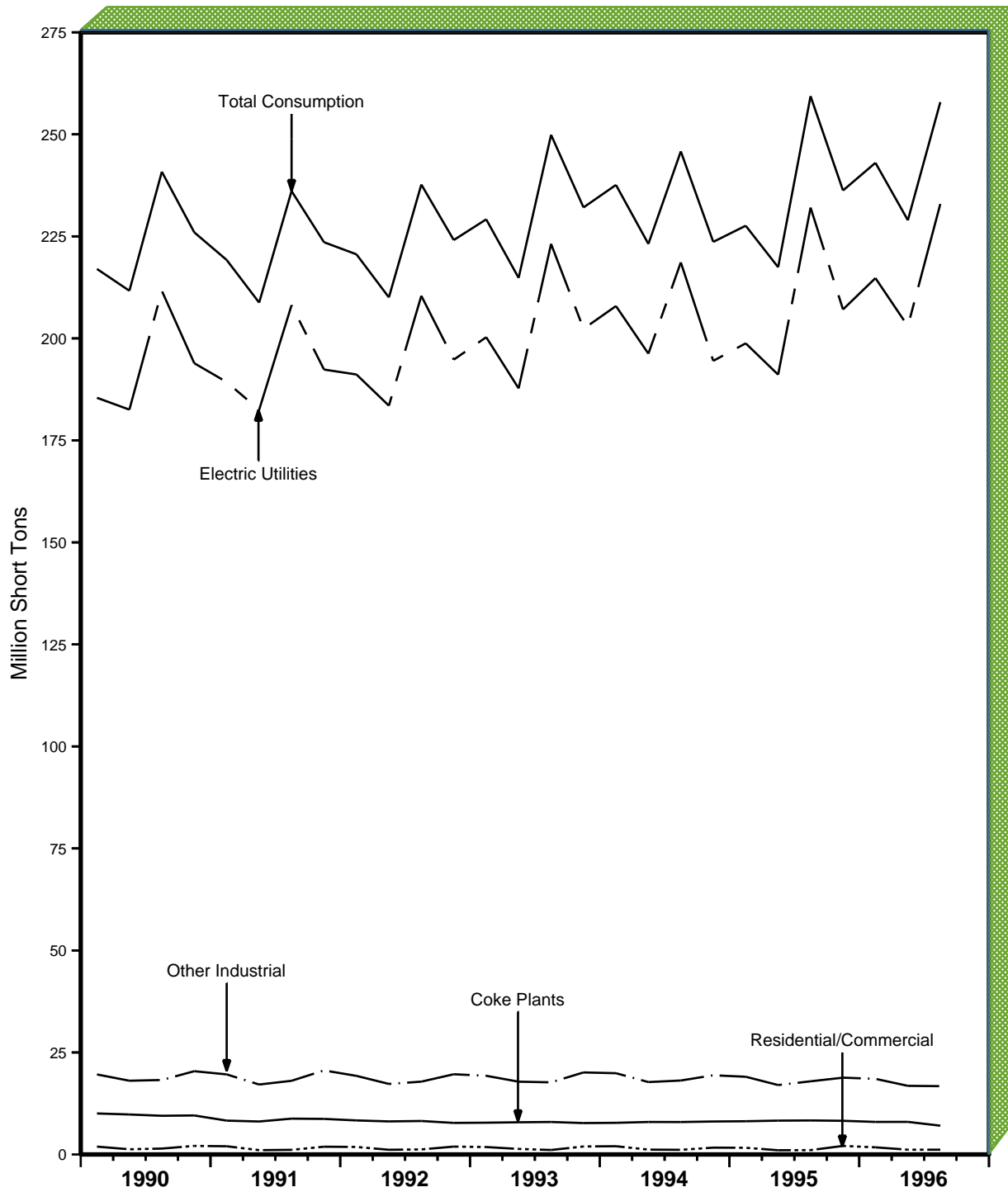
w Withheld to avoid disclosure of individual company data.

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, 1990-1996



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 1990-1996**  
(Thousand Short Tons)

Year and Quarter	Electric Utilities	Coke Plants	Other Industrial	Residential and Commercial	Total
<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
April - June .....	202,985	7,983	16,816	1,165	228,949
July - September .....	232,944	7,052	16,738	1,165	257,900
<b>Total</b> .....	<b>650,699</b>	<b>23,008</b>	<b>52,084</b>	<b>4,077</b>	<b>729,866</b>

Notes: Consumption data for 1990 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. For 1990 through 1996, these excluded EIA quarterly estimated consumption data are: 400, 1500, 2500, 3086, 3785, 5200, and 6000 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	July - September 1996	April - June 1996	July - September 1995	Year to Date		
				1996	1995	Percent Change
<b>New England Total</b> .....	<b>1,893</b>	<b>1,718</b>	<b>1,758</b>	<b>5,351</b>	<b>4,891</b>	<b>9.4</b>
Connecticut.....	272	240	234	763	655	16.5
Maine.....	65	58	70	177	198	-10.8
Massachusetts.....	1,187	1,066	1,113	3,287	3,027	8.6
New Hampshire.....	368	353	339	1,120	1,008	11.1
Rhode Island.....	1	1	1	2	1	36.0
Vermont.....	1	1	1	2	2	1.3
<b>Middle Atlantic Total</b> .....	<b>18,556</b>	<b>16,698</b>	<b>17,715</b>	<b>53,374</b>	<b>51,194</b>	<b>4.3</b>
New Jersey.....	659	452	640	1,810	1,536	17.9
New York.....	2,857	2,573	2,835	8,363	8,339	.3
Pennsylvania.....	15,040	13,672	14,240	43,201	41,319	4.6
<b>East North Central Total</b> .....	<b>57,568</b>	<b>53,056</b>	<b>58,803</b>	<b>168,002</b>	<b>163,735</b>	<b>2.6</b>
Illinois.....	11,411	10,352	11,141	32,009	30,165	6.1
Indiana.....	15,890	15,029	16,979	47,230	46,932	.6
Michigan.....	9,376	8,465	9,125	27,129	26,720	1.5
Ohio.....	14,898	13,861	15,392	44,208	42,861	3.1
Wisconsin.....	5,994	5,349	6,165	17,425	17,056	2.2
<b>West North Central Total</b> .....	<b>34,621</b>	<b>30,798</b>	<b>34,972</b>	<b>101,424</b>	<b>98,019</b>	<b>3.5</b>
Iowa.....	5,352	4,679	5,425	15,641	15,473	1.1
Kansas.....	4,903	4,567	4,503	14,306	12,387	15.5
Minnesota.....	4,505	4,462	4,754	14,310	14,309	*
Missouri.....	9,237	7,781	8,914	25,742	23,710	8.6
Nebraska.....	2,763	2,131	2,655	7,626	7,666	-5
North Dakota.....	7,407	6,692	8,196	22,268	22,464	-9
South Dakota.....	454	486	525	1,531	2,010	-23.9
<b>South Atlantic Total</b> .....	<b>44,288</b>	<b>39,991</b>	<b>44,759</b>	<b>124,918</b>	<b>117,305</b>	<b>6.5</b>
Delaware.....	515	430	599	1,411	1,649	-14.4
District of Columbia.....	1	1	2	4	2	76.3
Florida.....	8,053	6,684	7,670	21,402	20,118	6.4
Georgia.....	8,998	8,252	9,456	24,354	24,144	.9
Maryland.....	2,947	2,745	3,114	8,924	8,146	9.5
North Carolina.....	7,765	6,138	7,246	20,352	18,044	12.8
South Carolina.....	3,666	3,324	3,487	10,080	9,282	8.6
Virginia.....	3,743	3,443	3,532	11,060	10,044	10.1
West Virginia.....	8,601	8,973	9,653	27,330	25,876	5.6
<b>East South Central Total</b> .....	<b>29,030</b>	<b>27,203</b>	<b>28,801</b>	<b>83,712</b>	<b>79,415</b>	<b>5.4</b>
Alabama.....	10,055	8,880	9,756	27,718	25,692	7.9
Kentucky.....	10,321	10,288	10,632	31,352	29,716	5.5
Mississippi.....	1,571	1,489	1,352	4,189	3,775	11.0
Tennessee.....	7,083	6,547	7,061	20,454	20,232	1.1
<b>West South Central Total</b> .....	<b>39,879</b>	<b>34,707</b>	<b>40,217</b>	<b>110,086</b>	<b>103,469</b>	<b>6.4</b>
Arkansas.....	4,013	3,472	3,977	11,110	9,767	13.7
Louisiana.....	3,877	2,732	3,838	9,387	10,322	-9.1
Oklahoma.....	5,098	5,122	5,504	15,394	14,530	5.9
Texas.....	26,891	23,381	26,898	74,195	68,850	7.8
<b>Mountain Total</b> .....	<b>29,454</b>	<b>22,862</b>	<b>29,306</b>	<b>76,383</b>	<b>80,294</b>	<b>-4.9</b>
Arizona.....	4,941	3,849	4,867	11,895	12,619	-5.7
Colorado.....	4,626	3,999	4,441	12,927	12,713	1.7
Idaho.....	37	26	44	209	257	-18.7
Montana.....	2,395	1,086	2,731	5,139	7,488	-31.4
Nevada.....	2,160	1,472	2,085	5,252	5,303	-1.0
New Mexico.....	4,104	3,628	4,336	10,868	11,413	-4.8
Utah.....	4,243	3,065	4,266	10,861	11,315	-4.0
Wyoming.....	6,947	5,736	6,535	19,231	19,187	.2
<b>Pacific Total</b> .....	<b>2,611</b>	<b>1,916</b>	<b>3,022</b>	<b>6,616</b>	<b>6,073</b>	<b>8.9</b>
Alaska.....	130	173	152	539	551	-2.2
California.....	552	559	753	1,664	1,888	-11.9
Hawaii.....	37	39	25	132	84	57.8
Oregon.....	375	1	494	405	775	-47.7
Washington.....	1,517	1,144	1,598	3,877	2,776	39.6
<b>U.S. Total</b> .....	<b>257,900</b>	<b>228,949</b>	<b>259,353</b>	<b>729,866</b>	<b>704,395</b>	<b>3.6</b>

\* Rounded to zero.

Notes: Consumption data for 1990 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. For 1990 through 1996, these excluded EIA quarterly estimated consumption data are: 400, 1500, 2500, 3086, 3785, 5200, and 6000 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	July - September 1996	April - June 1996	July - September 1995	Year to Date		
				1996	1995	Percent Change
<b>New England Total</b> .....	<b>1,806</b>	<b>1,638</b>	<b>1,663</b>	<b>5,101</b>	<b>4,638</b>	<b>10.0</b>
Connecticut.....	267	235	233	746	652	14.4
Maine.....	-	-	-	-	-	-
Massachusetts.....	1,172	1,052	1,096	3,241	2,985	8.6
New Hampshire.....	367	351	334	1,114	1,002	11.3
Rhode Island.....	-	-	-	-	-	-
Vermont.....	-	-	-	-	-	-
<b>Middle Atlantic Total</b> .....	<b>13,768</b>	<b>12,030</b>	<b>13,074</b>	<b>39,100</b>	<b>37,049</b>	<b>5.5</b>
New Jersey.....	655	449	636	1,801	1,522	18.3
New York.....	2,115	1,828	2,091	6,101	6,115	-2
Pennsylvania.....	10,998	9,753	10,347	31,199	29,413	6.1
<b>East North Central Total</b> .....	<b>51,599</b>	<b>45,855</b>	<b>51,621</b>	<b>146,956</b>	<b>141,431</b>	<b>3.9</b>
Illinois.....	10,068	8,804	9,641	27,502	25,599	7.4
Indiana.....	13,974	12,287	14,336	39,703	39,071	1.6
Michigan.....	8,410	7,405	8,126	23,840	23,439	1.7
Ohio.....	13,516	12,439	13,873	39,801	37,822	5.2
Wisconsin.....	5,631	4,921	5,645	16,110	15,500	3.9
<b>West North Central Total</b> .....	<b>31,336</b>	<b>27,636</b>	<b>31,185</b>	<b>91,093</b>	<b>87,371</b>	<b>4.3</b>
Iowa.....	4,670	4,012	4,685	13,499	13,312	1.4
Kansas.....	4,848	4,514	4,453	14,126	12,271	15.1
Minnesota.....	4,087	3,992	4,425	12,780	12,993	-1.6
Missouri.....	8,924	7,463	8,630	24,769	22,808	8.6
Nebraska.....	2,701	2,075	2,607	7,432	7,476	-6
North Dakota.....	5,773	5,196	5,966	17,258	16,787	2.8
South Dakota.....	333	385	419	1,229	1,724	-28.7
<b>South Atlantic Total</b> .....	<b>40,343</b>	<b>36,042</b>	<b>40,834</b>	<b>112,662</b>	<b>104,725</b>	<b>7.6</b>
Delaware.....	473	405	540	1,296	1,511	-14.2
District of Columbia.....	-	-	-	-	-	-
Florida.....	7,719	6,377	7,342	20,461	19,135	6.9
Georgia.....	8,530	7,765	9,013	22,857	22,624	1.0
Maryland.....	2,695	2,504	2,895	8,150	7,510	8.5
North Carolina.....	7,201	5,541	6,620	18,491	16,021	15.4
South Carolina.....	3,182	2,868	2,971	8,580	7,715	11.2
Virginia.....	2,823	2,509	2,648	8,193	7,170	14.3
West Virginia.....	7,720	8,072	8,805	24,633	23,039	6.9
<b>East South Central Total</b> .....	<b>25,798</b>	<b>23,929</b>	<b>25,332</b>	<b>73,747</b>	<b>69,352</b>	<b>6.3</b>
Alabama.....	8,608	7,436	8,385	23,362	21,558	8.4
Kentucky.....	9,495	9,439	9,564	28,756	26,945	6.7
Mississippi.....	1,512	1,423	1,271	4,005	3,558	12.6
Tennessee.....	6,184	5,631	6,112	17,624	17,291	1.9
<b>West South Central Total</b> .....	<b>38,377</b>	<b>33,203</b>	<b>38,609</b>	<b>105,645</b>	<b>98,632</b>	<b>7.1</b>
Arkansas.....	3,933	3,389	3,905	10,857	9,517	14.1
Louisiana.....	3,851	2,708	3,752	9,316	9,934	-6.2
Oklahoma.....	4,906	4,930	5,110	14,830	13,487	10.0
Texas.....	25,687	22,175	25,842	70,642	65,694	7.5
<b>Mountain Total</b> .....	<b>28,049</b>	<b>21,494</b>	<b>27,660</b>	<b>72,140</b>	<b>75,264</b>	<b>-4.2</b>
Arizona.....	4,763	3,690	4,716	11,398	12,129	-6.0
Colorado.....	4,461	3,834	4,238	12,426	12,179	2.0
Idaho.....	-	-	-	-	-	-
Montana.....	2,383	1,077	2,576	5,088	7,066	-28.0
Nevada.....	2,110	1,423	2,018	5,108	5,095	.3
New Mexico.....	4,085	3,607	4,316	10,807	11,352	-4.8
Utah.....	3,818	2,648	3,726	9,638	9,792	-1.6
Wyoming.....	6,429	5,215	6,070	17,674	17,653	.1
<b>Pacific Total</b> .....	<b>1,867</b>	<b>1,156</b>	<b>2,054</b>	<b>4,255</b>	<b>3,459</b>	<b>23.0</b>
Alaska.....	25	68	68	171	210	-18.8
California.....	-	-	-	-	-	-
Hawaii.....	-	-	-	-	-	-
Oregon.....	374	-	472	374	690	-45.9
Washington.....	1,469	1,088	1,515	3,711	2,559	45.0
<b>U.S. Total</b> .....	<b>232,944</b>	<b>202,985</b>	<b>232,033</b>	<b>650,699</b>	<b>621,922</b>	<b>4.6</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	July - September 1996	April - June 1996	July - September 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.....	2,725	2,662	2,761	7,992	8,145	-1.9
<b>East North Central Total</b> .....	<b>1,857</b>	<b>2,857</b>	<b>3,131</b>	<b>7,633</b>	<b>9,310</b>	<b>-18.0</b>
Illinois.....	w	w	w	w	w	w
Indiana.....	625	1,444	1,500	3,573	4,433	-19.4
Michigan.....	w	w	w	w	w	w
Ohio.....	462	455	693	1,377	2,149	-35.9
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.....	815	816	823	2,445	2,447	-1
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.....	840	1,028	1,076	2,903	3,193	-9.1
Furnace Coke Plants.....	6,212	6,954	7,254	20,105	21,567	-6.8
<b>U.S. Total</b> .....	<b>7,052</b>	<b>7,983</b>	<b>8,330</b>	<b>23,008</b>	<b>24,761</b>	<b>-7.1</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	July - September 1996	April - June 1996	July - September 1995	Year to Date		
				1996	1995	Percent Change
<b>New England Total</b> .....	<b>74</b>	<b>66</b>	<b>79</b>	<b>202</b>	<b>226</b>	<b>-10.9</b>
Connecticut.....	-	-	-	-	*	-
Maine.....	w	w	w	w	w	w
Massachusetts.....	w	w	w	w	w	w
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.....	w	w	w	w	w	w
New York.....	361	375	333	1,103	1,034	6.7
Pennsylvania.....	1,088	1,027	928	3,204	3,000	6.8
<b>East North Central Total</b> .....	<b>3,852</b>	<b>4,083</b>	<b>3,829</b>	<b>12,502</b>	<b>12,113</b>	<b>3.2</b>
Illinois.....	880	904	862	2,737	2,729	.3
Indiana.....	1,233	1,241	1,094	3,754	3,240	15.8
Michigan.....	563	651	572	2,042	2,016	1.3
Ohio.....	837	885	793	2,744	2,672	2.7
Wisconsin.....	338	402	507	1,225	1,456	-15.9
<b>West North Central Total</b> .....	<b>3,128</b>	<b>3,006</b>	<b>3,644</b>	<b>9,784</b>	<b>10,171</b>	<b>-3.8</b>
Iowa.....	663	649	683	2,080	2,077	.2
Kansas.....	37	35	32	115	98	17.7
Minnesota.....	365	418	289	1,345	1,104	21.9
Missouri.....	271	275	264	825	805	2.5
Nebraska.....	w	w	w	w	w	w
North Dakota.....	w	w	w	w	w	w
South Dakota.....	120	100	105	296	285	3.8
<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.....	334	307	328	940	983	-4.3
Georgia.....	456	475	433	1,456	1,466	-.7
Maryland.....	193	182	199	566	572	-1.1
North Carolina.....	519	552	587	1,704	1,855	-8.1
South Carolina.....	480	452	516	1,488	1,552	-4.1
Virginia.....	606	637	565	1,936	1,949	-.7
West Virginia.....	405	416	434	1,264	1,504	-16.0
<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.....	630	626	547	1,906	1,685	13.1
Kentucky.....	456	486	676	1,482	1,611	-8.0
Mississippi.....	w	w	w	w	w	w
Tennessee.....	871	887	919	2,729	2,840	-3.9
<b>West South Central Total</b> .....	<b>1,498</b>	<b>1,501</b>	<b>1,608</b>	<b>4,430</b>	<b>4,821</b>	<b>-8.1</b>
Arkansas.....	80	83	72	253	250	1.2
Louisiana.....	w	w	w	w	w	w
Oklahoma.....	w	w	w	w	w	w
Texas.....	1,204	1,206	1,056	3,553	3,156	12.6
<b>Mountain Total</b> .....	<b>1,091</b>	<b>1,034</b>	<b>1,359</b>	<b>3,238</b>	<b>4,109</b>	<b>-21.2</b>
Arizona.....	177	158	149	494	486	1.6
Colorado.....	161	161	196	488	521	-6.4
Idaho.....	w	w	w	w	w	w
Montana.....	w	w	w	w	w	w
Nevada.....	w	w	w	w	w	w
New Mexico.....	w	w	w	w	w	w
Utah.....	158	129	275	379	743	-48.9
Wyoming.....	489	493	458	1,454	1,447	.5
<b>Pacific Total</b> .....	<b>596</b>	<b>613</b>	<b>800</b>	<b>1,848</b>	<b>2,126</b>	<b>-13.1</b>
Alaska.....	w	w	w	w	w	w
California.....	525	533	696	1,571	1,797	-12.6
Hawaii.....	w	w	w	w	w	w
Oregon.....	w	w	w	w	w	w
Washington.....	32	40	57	112	160	-30.4
<b>U.S. Total</b> .....	<b>16,738</b>	<b>16,816</b>	<b>17,928</b>	<b>52,083</b>	<b>53,980</b>	<b>-3.5</b>

\* Rounded to zero.

w 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	July - September 1996	April - June 1996	July - September 1995	Year to Date		
				1996	1995	Percent Change
20 Food and kindred products .....	1,567	1,613	1,632	5,333	5,678	-6.1
21 Tobacco products .....	144	142	144	450	453	-.5
22 Textile mill products .....	201	239	187	755	749	.8
23 Apparel, other textile products .....	w	w	w	w	w	w
24 Lumber and wood products .....	w	w	w	w	w	w
25 Furniture and fixtures .....	8	12	7	55	38	45.1
26 Paper and allied products .....	3,147	3,154	2,977	9,803	9,608	2.0
27 Printing and publishing .....	w	w	w	w	w	w
28 Chemicals, allied products .....	2,989	3,044	3,061	9,487	9,757	-2.8
29 Petroleum and coal products <sup>1</sup> .....	1,734	1,600	1,810	5,181	5,544	-6.6
30 Rubber, misc. plastic products .....	43	50	46	157	179	-12.2
31 Leather, leather products .....	w	w	w	w	w	w
32 Stone, clay, glass products .....	3,465	3,373	3,310	9,854	9,589	2.8
33 Primary metal industries <sup>2</sup> .....	2,102	2,109	1,931	6,313	5,581	13.1
34 Fabricated metal products .....	34	60	40	200	215	-6.9
35 Machinery, except electric .....	47	70	47	278	282	-1.6
36 Electric, electronic equipment .....	w	w	w	w	w	w
37 Transportation equipment .....	123	217	181	746	920	-18.9
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>15,826</b>	<b>15,904</b>	<b>15,617</b>	<b>49,347</b>	<b>49,375</b>	<b>-.1</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	July - September 1996	April - June 1996	July - September 1995	Year to Date		
				1996	1995	Percent Change
<b>New England Total</b> .....	<b>14</b>	<b>14</b>	<b>16</b>	<b>49</b>	<b>27</b>	<b>81.8</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>276</b>	<b>276</b>	<b>264</b>	<b>965</b>	<b>916</b>	<b>5.4</b>
New Jersey.....	w	w	w	w	w	w
New York.....	w	w	w	w	w	w
Pennsylvania.....	230	230	204	806	762	5.7
<b>East North Central Total</b> .....	<b>260</b>	<b>260</b>	<b>222</b>	<b>911</b>	<b>881</b>	<b>3.4</b>
Illinois.....	w	w	w	w	w	w
Indiana.....	57	57	49	201	188	6.5
Michigan.....	w	w	w	w	w	w
Ohio.....	82	82	34	286	219	30.8
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.....	18	18	57	63	84	-24.8
Kansas.....	18	18	18	64	18	252.0
Minnesota.....	53	53	40	184	212	-13.0
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>191</b>	<b>191</b>	<b>158</b>	<b>668</b>	<b>538</b>	<b>24.2</b>
Delaware.....	w	w	w	w	w	w
District of Columbia.....	1	1	2	4	2	76.3
Florida.....	*	*	-	1	*	339.6
Georgia.....	12	12	10	42	53	-21.8
Maryland.....	w	w	w	w	w	w
North Carolina.....	45	45	38	157	168	-7.0
South Carolina.....	3	3	-	12	15	-21.9
Virginia.....	w	w	w	w	w	w
West Virginia.....	w	w	w	w	w	w
<b>East South Central Total</b> .....	<b>57</b>	<b>57</b>	<b>55</b>	<b>198</b>	<b>200</b>	<b>-1.0</b>
Alabama.....	1	1	1	5	2	181.4
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>3</b>	<b>3</b>	<b>*</b>	<b>12</b>	<b>16</b>	<b>-29.1</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.....	1	1	2	4	5	-28.9
Colorado.....	4	4	8	14	13	8.9
Idaho.....	8	8	4	27	25	6.7
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.....	29	29	7	102	87	16.8
<b>Pacific Total</b> .....	<b>147</b>	<b>147</b>	<b>168</b>	<b>514</b>	<b>488</b>	<b>5.3</b>
Alaska.....	105	105	84	366	341	7.4
California.....	27	27	57	93	91	2.6
Hawaii.....	w	w	w	w	w	w
Oregon.....	w	w	w	w	w	w
Washington.....	16	16	27	55	57	-3.9
<b>U.S. Total</b> .....	<b>1,165</b>	<b>1,165</b>	<b>1,063</b>	<b>4,077</b>	<b>3,733</b>	<b>9.2</b>

\* Rounded to zero.

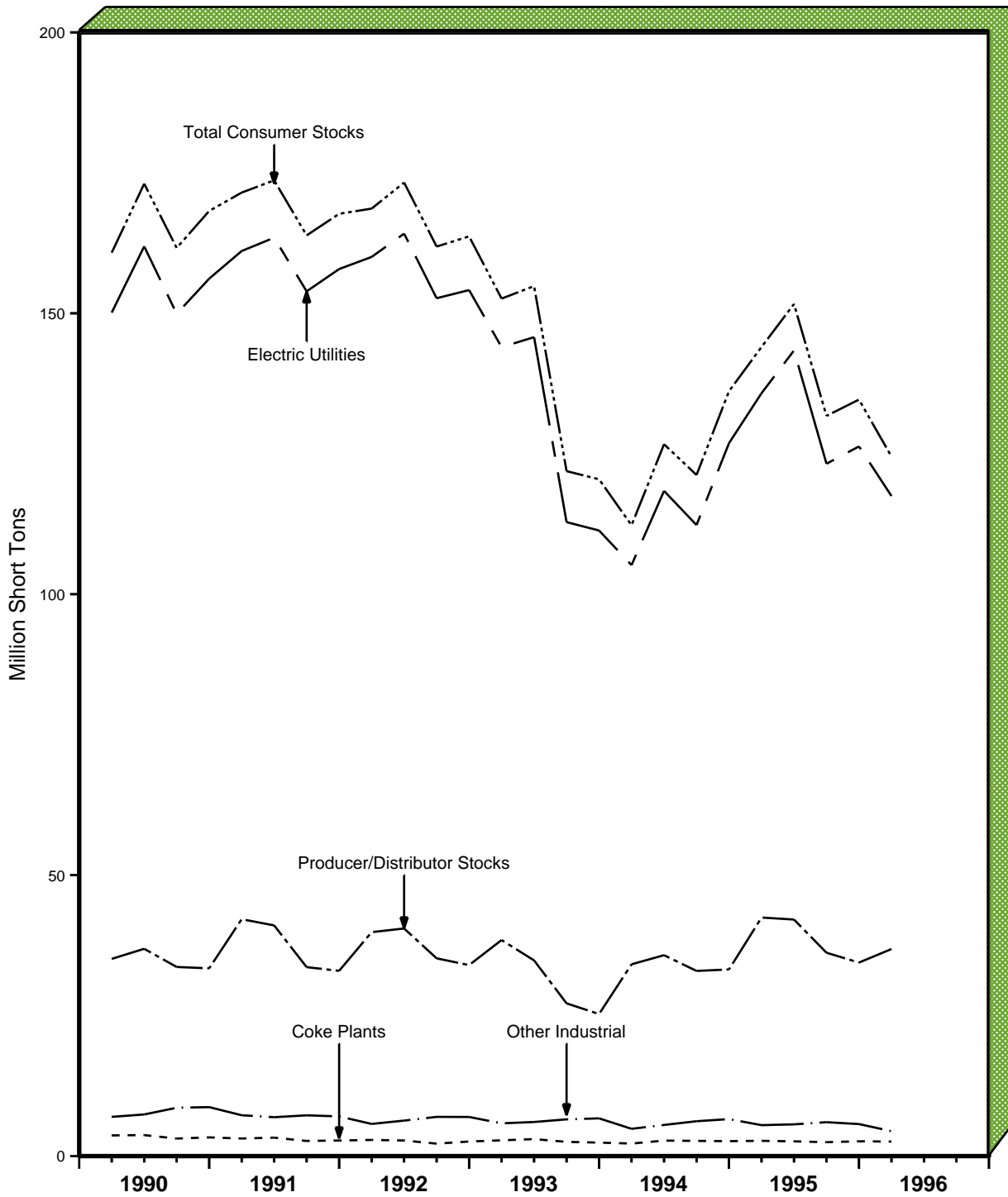
w Withheld to avoid disclosure of individual company data.

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, 1990-1996



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, 1990-1996**  
(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>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
June 30 .....	127,113	2,605	4,567	134,285	37,344	171,629
September 30 .....	119,473	2,439	5,302	127,214	33,780	160,994

<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, September 30, 1996**  
(Thousand Short Tons)

Census Division and State	Electric Utilities	Coke Plants	Other Industrial <sup>1</sup>	Total
<b>New England Total</b> .....	<b>1,089</b>	—	<b>46</b>	<b>1,136</b>
Connecticut.....	107	—	w	w
Maine.....	—	—	w	w
Massachusetts.....	741	—	w	w
New Hampshire.....	241	—	w	w
Rhode Island.....	—	—	w	w
Vermont.....	—	—	w	w
<b>Middle Atlantic Total</b> .....	<b>8,912</b>	—	<b>w</b>	<b>w</b>
New Jersey.....	571	—	w	w
New York.....	721	w	166	w
Pennsylvania.....	7,620	868	184	8,672
<b>East North Central Total</b> .....	<b>29,830</b>	<b>891</b>	<b>1,569</b>	<b>32,291</b>
Illinois.....	5,063	w	226	w
Indiana.....	8,489	137	289	8,915
Michigan.....	6,940	w	681	w
Ohio.....	5,026	83	106	5,215
Wisconsin.....	4,312	—	267	4,579
<b>West North Central Total</b> .....	<b>18,905</b>	—	<b>1,178</b>	<b>20,083</b>
Iowa.....	4,542	—	671	5,212
Kansas.....	3,504	—	15	3,519
Minnesota.....	1,917	—	194	2,110
Missouri.....	5,234	—	153	5,387
Nebraska.....	1,780	—	w	w
North Dakota.....	1,810	—	w	w
South Dakota.....	118	—	w	w
<b>South Atlantic Total</b> .....	<b>17,307</b>	<b>w</b>	<b>w</b>	<b>w</b>
Delaware.....	266	—	w	w
District of Columbia.....	—	—	—	—
Florida.....	2,827	—	85	2,912
Georgia.....	3,778	—	132	3,910
Maryland.....	1,072	w	22	w
North Carolina.....	2,265	—	130	2,395
South Carolina.....	1,378	—	152	1,529
Virginia.....	897	w	128	w
West Virginia.....	4,824	w	137	w
<b>East South Central Total</b> .....	<b>8,434</b>	<b>w</b>	<b>w</b>	<b>w</b>
Alabama.....	2,468	246	170	2,884
Kentucky.....	3,909	w	104	w
Mississippi.....	492	—	w	w
Tennessee.....	1,564	—	208	1,772
<b>West South Central Total</b> .....	<b>20,212</b>	—	<b>350</b>	<b>20,561</b>
Arkansas.....	2,871	—	24	2,895
Louisiana.....	2,694	—	7	2,702
Oklahoma.....	4,012	—	121	4,133
Texas.....	10,634	—	197	10,831
<b>Mountain Total</b> .....	<b>13,028</b>	<b>w</b>	<b>330</b>	<b>w</b>
Arizona.....	2,938	—	43	2,982
Colorado.....	2,835	—	25	2,860
Idaho.....	—	—	165	165
Montana.....	504	—	w	w
Nevada.....	1,329	—	w	w
New Mexico.....	805	—	w	w
Utah.....	2,040	w	3	w
Wyoming.....	2,577	—	72	2,649
<b>Pacific Total</b> .....	<b>1,756</b>	—	<b>188</b>	<b>1,944</b>
Alaska.....	1	—	—	1
California.....	—	—	134	134
Hawaii.....	—	—	w	w
Oregon.....	260	—	w	w
Washington.....	1,495	—	9	1,505
<b>U.S. Total</b> .....	<b>119,473</b>	<b>2,439</b>	<b>5,302</b>	<b>127,214</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	September 30, 1996	June 30, 1996	September 30, 1995	Percent Difference September 30: 1996 versus 1995
<b>New England Total</b> .....	<b>1,089</b>	<b>1,098</b>	<b>1,223</b>	<b>-11.0</b>
Connecticut.....	107	127	158	-32.2
Maine.....	-	-	-	-
Massachusetts.....	741	688	749	-1.1
New Hampshire.....	241	283	316	-23.7
Rhode Island .....	-	-	-	-
Vermont.....	-	-	-	-
<b>Middle Atlantic Total</b> .....	<b>8,912</b>	<b>10,233</b>	<b>11,067</b>	<b>-19.5</b>
New Jersey .....	571	740	686	-16.7
New York.....	721	787	830	-13.2
Pennsylvania.....	7,620	8,706	9,551	-20.2
<b>East North Central Total</b> .....	<b>29,830</b>	<b>32,042</b>	<b>29,276</b>	<b>1.9</b>
Illinois.....	5,063	5,300	4,199	20.6
Indiana.....	8,489	9,406	8,777	-3.3
Michigan.....	6,940	7,366	7,216	-3.8
Ohio.....	5,026	6,254	5,617	-10.5
Wisconsin.....	4,312	3,716	3,467	24.4
<b>West North Central Total</b> .....	<b>18,905</b>	<b>17,810</b>	<b>18,419</b>	<b>2.6</b>
Iowa.....	4,542	4,205	4,342	4.6
Kansas .....	3,504	3,385	3,449	1.6
Minnesota.....	1,917	1,955	1,902	.8
Missouri.....	5,234	4,725	4,913	6.5
Nebraska.....	1,780	1,583	1,538	15.7
North Dakota.....	1,810	1,805	2,134	-15.2
South Dakota.....	118	152	140	-15.4
<b>South Atlantic Total</b> .....	<b>17,307</b>	<b>17,976</b>	<b>17,584</b>	<b>-1.6</b>
Delaware.....	266	282	222	20.0
District of Columbia .....	-	-	-	-
Florida .....	2,827	3,360	3,032	-6.7
Georgia.....	3,778	3,739	3,309	14.2
Maryland .....	1,072	1,434	922	16.2
North Carolina.....	2,265	2,560	2,777	-18.4
South Carolina.....	1,378	1,519	1,795	-23.3
Virginia.....	897	1,005	1,370	-34.5
West Virginia.....	4,824	4,077	4,158	16.0
<b>East South Central Total</b> .....	<b>8,434</b>	<b>9,422</b>	<b>9,267</b>	<b>-9.0</b>
Alabama.....	2,468	3,106	3,144	-21.5
Kentucky.....	3,909	4,063	4,147	-5.7
Mississippi.....	492	606	582	-15.5
Tennessee.....	1,564	1,647	1,394	12.2
<b>West South Central Total</b> .....	<b>20,212</b>	<b>21,465</b>	<b>19,005</b>	<b>6.3</b>
Arkansas .....	2,871	2,695	2,932	-2.1
Louisiana .....	2,694	3,002	2,728	-1.2
Oklahoma.....	4,012	3,835	3,805	5.4
Texas.....	10,634	11,932	9,541	11.5
<b>Mountain Total</b> .....	<b>13,028</b>	<b>14,967</b>	<b>15,266</b>	<b>-14.7</b>
Arizona.....	2,938	3,564	3,415	-14.0
Colorado.....	2,835	3,347	3,575	-20.7
Idaho.....	-	-	-	-
Montana.....	504	547	457	10.5
Nevada.....	1,329	1,413	1,328	.1
New Mexico.....	805	813	1,044	-22.9
Utah.....	2,040	2,697	2,909	-29.8
Wyoming.....	2,577	2,587	2,540	1.5
<b>Pacific Total</b> .....	<b>1,756</b>	<b>2,100</b>	<b>2,120</b>	<b>-17.2</b>
Alaska.....	1	1	1	.0
California.....	-	-	-	-
Hawaii.....	-	-	-	-
Oregon.....	260	399	263	-1.3
Washington.....	1,495	1,700	1,856	-19.4
<b>U.S. Total</b> .....	<b>119,473</b>	<b>127,113</b>	<b>123,227</b>	<b>-3.0</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 47. Coal Stocks at Coke Plants by Census Division and State**  
(Thousand Short Tons)

Census Division and State	September 30, 1996	June 30, 1996	September 30, 1995	Percent Difference September 30: 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.....	868	746	706	22.8
<b>East North Central Total</b> .....	<b>891</b>	<b>1,306</b>	<b>1,132</b>	<b>-21.2</b>
Illinois.....	w	w	w	w
Indiana.....	137	600	444	-69.1
Michigan.....	w	w	w	w
Ohio.....	83	95	149	-43.9
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.....	246	265	285	-13.9
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.....	181	247	251	-27.8
Furnace Coke Plants.....	2,258	2,358	2,225	1.5
<b>U.S. Total</b> .....	<b>2,439</b>	<b>2,605</b>	<b>2,476</b>	<b>-1.5</b>

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

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

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	September 30, 1996	June 30, 1996	September 30, 1995	Percent Difference September 30: 1996 versus 1995
<b>New England Total</b> .....	<b>46</b>	<b>69</b>	<b>67</b>	<b>-30.2</b>
Connecticut.....	-	-	-	-
Maine.....	w	w	w	w
Massachusetts.....	w	w	w	w
New Hampshire.....	-	-	-	-
Rhode Island.....	-	-	-	-
Vermont.....	-	-	-	-
<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.....	166	96	152	9.3
Pennsylvania.....	184	187	231	-20.3
<b>East North Central Total</b> .....	<b>1,569</b>	<b>1,256</b>	<b>2,101</b>	<b>-25.3</b>
Illinois.....	226	212	316	-28.5
Indiana.....	289	267	478	-39.5
Michigan.....	681	494	859	-20.8
Ohio.....	106	106	134	-21.4
Wisconsin.....	267	176	313	-14.5
<b>West North Central Total</b> .....	<b>1,178</b>	<b>910</b>	<b>1,071</b>	<b>10.0</b>
Iowa.....	671	466	580	15.7
Kansas.....	15	11	14	7.6
Minnesota.....	194	151	86	124.7
Missouri.....	153	136	155	-1.6
Nebraska.....	w	w	w	w
North Dakota.....	w	w	w	w
South Dakota.....	30	48	63	-51.7
<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.....	85	78	69	22.6
Georgia.....	132	147	121	9.3
Maryland.....	22	33	25	-12.5
North Carolina.....	130	143	151	-13.7
South Carolina.....	152	147	255	-40.6
Virginia.....	128	140	162	-20.8
West Virginia.....	137	100	99	37.6
<b>East South Central Total</b> .....	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>
Alabama.....	170	163	165	2.7
Kentucky.....	104	101	111	-5.9
Mississippi.....	w	w	w	w
Tennessee.....	208	200	216	-3.8
<b>West South Central Total</b> .....	<b>350</b>	<b>399</b>	<b>404</b>	<b>-13.4</b>
Arkansas.....	24	21	29	-17.8
Louisiana.....	w	w	w	w
Oklahoma.....	w	w	w	w
Texas.....	197	225	193	2.2
<b>Mountain Total</b> .....	<b>330</b>	<b>217</b>	<b>394</b>	<b>-16.2</b>
Arizona.....	43	32	50	-13.2
Colorado.....	25	16	36	-30.4
Idaho.....	w	w	w	w
Montana.....	w	w	w	w
Nevada.....	w	w	w	w
New Mexico.....	w	w	w	w
Utah.....	3	2	12	-75.1
Wyoming.....	72	73	83	-13.0
<b>Pacific Total</b> .....	<b>188</b>	<b>166</b>	<b>227</b>	<b>-17.2</b>
Alaska.....	w	w	w	w
California.....	134	110	116	15.0
Hawaii.....	w	w	w	w
Oregon.....	w	w	w	w
Washington.....	9	16	30	-68.4
<b>U.S. Total</b> .....	<b>5,302</b>	<b>4,567</b>	<b>6,036</b>	<b>-12.2</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	September 30, 1996	June 30, 1996	September 30, 1995	Percent Difference September 30: 1996 versus 1995
20 Food and kindred products.....	975	631	902	8.1
21 Tobacco products.....	24	28	24	-.6
22 Textile mill products.....	92	108	98	-6.0
23 Apparel, other textile products.....	w	w	w	w
24 Lumber and wood products.....	w	w	w	w
25 Furniture and fixtures.....	26	10	39	-33.4
26 Paper and allied products.....	975	875	1,147	-15.0
27 Printing and publishing.....	w	w	w	w
28 Chemicals, allied products.....	784	737	980	-20.0
29 Petroleum and coal products <sup>1</sup> .....	70	79	127	-45.0
30 Rubber, misc. plastic products.....	10	7	12	-18.8
31 Leather, leather products.....	w	w	w	w
32 Stone, clay, glass products.....	1,560	1,420	1,757	-11.2
33 Primary metal industries <sup>2</sup> .....	527	455	586	-10.1
34 Fabricated metal products.....	36	30	47	-24.5
35 Machinery, except electric.....	61	42	101	-39.4
36 Electric, electronic equipment.....	w	w	w	w
37 Transportation equipment.....	87	78	113	-23.5
38 Instruments, related products.....	w	w	w	w
39 Misc. manufacturing industries.....	w	w	w	w
<b>U.S. Total.....</b>	<b>5,302</b>	<b>4,567</b>	<b>6,036</b>	<b>-12.2</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)

	September 30, 1996	June 30, 1996	September 30, 1995	Percent Difference September 30: 1996 versus 1995
<b>Coke Total.....</b>	<b>858</b>	<b>1,173</b>	<b>1,170</b>	<b>-26.6</b>
<b>By State</b>				
Alabama.....	116	111	79	47.0
Illinois.....	w	w	w	w
Indiana.....	122	441	332	-63.3
Kentucky.....	w	w	w	w
Michigan.....	w	w	w	w
New York.....	w	w	w	w
Ohio.....	22	52	101	-78.2
Pennsylvania.....	293	268	222	32.2
Utah.....	w	w	w	w
Virginia.....	w	w	w	w
West Virginia.....	w	w	w	w
<b>By Plant Type</b>				
Merchant Coke Plants.....	129	143	113	13.8
Furnace Coke Plants.....	730	1,030	1,057	-31.0
<b>Breeze Total.....</b>	<b>116</b>	<b>112</b>	<b>114</b>	<b>2.4</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	September 30, 1996	June 30, 1996	September 30, 1995	Percent Difference September 30: 1996 versus 1995
Alabama.....	1,218	1,625	1,433	-15.0
Alaska.....	15	20	53	-71.4
Arizona.....	2,231	2,601	2,795	-20.2
Arkansas.....	3	5	4	-19.2
Colorado.....	1,295	866	866	49.6
Illinois.....	1,348	2,243	2,305	-41.5
Indiana.....	690	673	601	14.7
Kansas.....	17	16	30	-45.3
Kentucky Total.....	4,213	4,636	5,065	-16.8
Eastern.....	3,292	3,596	4,315	-23.7
Western.....	921	1,041	749	23.0
Louisiana.....	123	110	317	-61.1
Maryland.....	283	214	185	52.4
Missouri.....	2	2	-	-
Montana.....	575	776	769	-25.3
New Mexico.....	2,876	2,886	2,094	37.3
North Dakota.....	1,738	1,671	1,728	.6
Ohio.....	698	959	1,047	-33.3
Oklahoma.....	11	11	3	240.1
Pennsylvania Total.....	2,488	2,495	2,903	-14.3
Anthracite.....	412	282	336	22.6
Bituminous.....	2,076	2,213	2,567	-19.1
Tennessee.....	22	52	128	-83.2
Texas.....	1,341	1,642	362	270.6
Utah.....	1,478	1,067	2,143	-31.1
Virginia.....	4,577	4,764	1,389	229.5
Washington.....	*	1	58	-99.6
West Virginia Total.....	4,929	6,454	7,525	-34.5
Northern.....	747	1,466	2,170	-65.6
Southern.....	4,182	4,988	5,355	-21.9
Wyoming.....	1,608	1,556	2,388	-32.7
<b>Appalachian Total.....</b>	<b>17,505</b>	<b>20,159</b>	<b>18,925</b>	<b>-7.5</b>
<b>Interior Total.....</b>	<b>4,458</b>	<b>5,742</b>	<b>4,373</b>	<b>1.9</b>
<b>Western Total.....</b>	<b>11,817</b>	<b>11,442</b>	<b>12,895</b>	<b>-8.4</b>
<b>East of the Miss. River.....</b>	<b>20,465</b>	<b>24,116</b>	<b>22,581</b>	<b>-9.4</b>
<b>West of the Miss. River.....</b>	<b>13,315</b>	<b>13,228</b>	<b>13,612</b>	<b>-2.2</b>
<b>U.S. Total.....</b>	<b>33,780</b>	<b>37,344</b>	<b>36,193</b>	<b>-6.7</b>

\* Rounded to zero.

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

U.S. coal imports in the third quarter of 1996 totaled 2.1 million short tons, 33 percent higher than in the previous quarter, and 20 percent above imports during the same quarter in 1995. This brings year-to-date 1996 coal imports to 5.3 million short tons, 4 percent above the imports during the corresponding period in 1995. This increase can be attributed to higher U.S. demand for coal from Indonesia and Canada, which was partially offset by a decline in demand for coal from Venezuela and Australia.

Coal imports for the third quarter of 1996 were valued at \$69 million, based on an average price of \$33.19 per short ton. The value of coal imports in the first nine months of 1996 reached \$177 million, based on the average annual price of \$33.08 per short ton, a 3-percent decline from the value during the same period a year earlier.

Colombia, with nearly 2 million short tons, continued to be the chief source of imported coal during the first nine months of 1996. Venezuela, the second largest source, shipped 1.2 million short tons, a 9-percent drop from tonnage during the same period last year. The largest increase in deliveries has been from Indonesia, which totaled 1 million short tons, 43 percent above their nine-month 1995 total.

Imported coal received at U.S. electric utility plants amounted to 1.4 million short tons in the third quarter imports of 1996, bringing the total for the first 9 months of 1996 to 3.6 million short tons, 10 percent higher than during the same period in 1995. This increase was mainly due to higher shipments from Indonesia (186 thousand short tons) and Colombia (148 thousand short tons).

**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	1,552	32.46	2,071	33.19	NA	NA	5,336	33.08

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>								
<b>1988</b> .....	66	552	1,225	–	–	203	88	<b>2,134</b>
<b>1989</b> .....	35	1,004	1,339	–	–	357	117	<b>2,851</b>
<b>1990</b> .....	24	973	1,428	–	–	263	12	<b>2,699</b>
<b>1991</b> .....	31	935	1,881	7	–	535	*	<b>3,390</b>
<b>1992</b> .....	101	1,021	1,763	253	53	539	72	<b>3,803</b>
<b>1993</b> .....	100	1,051	4,117	708	–	1,298	34	<b>7,309</b>
<b>1994</b> .....	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>
April - June .....	–	331	551	303	–	367	*	<b>1,552</b>
July - September .....	24	359	804	469	–	411	4	<b>2,071</b>
<b>Total</b> .....	<b>102</b>	<b>1,054</b>	<b>1,984</b>	<b>1,020</b>	–	<b>1,171</b>	<b>4</b>	<b>5,336</b>
<b>Average Price</b>								
<b>1988</b> .....	\$29.86	\$31.44	\$28.83	–	–	\$26.09	\$45.43	<b>\$29.96</b>
<b>1989</b> .....	34.44	25.73	35.49	–	–	33.48	33.40	<b>31.97</b>
<b>1990</b> .....	41.73	24.45	36.87	–	–	41.50	37.81	<b>33.43</b>
<b>1991</b> .....	37.97	25.10	32.87	–	–	40.87	–	<b>32.34</b>
<b>1992</b> .....	36.07	27.88	32.25	\$40.94	\$47.06	35.61	25.72	<b>32.48</b>
<b>1993</b> .....	31.56	29.02	27.26	42.70	–	28.87	26.22	<b>29.36</b>
<b>1994</b> .....	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>
April - June .....	–	32.34	30.75	32.83	–	28.06	–	<b>30.76</b>
July - September .....	32.51	34.53	31.55	29.87	–	30.19	33.92	<b>31.23</b>
<b>Total</b> .....	<b>33.52</b>	<b>31.52</b>	<b>31.20</b>	<b>32.98</b>	–	<b>30.72</b>	<b>31.72</b>	<b>31.54</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 \$55, 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	July - September 1996	April - June 1996	July - September 1995	Year to Date		
				1996	1995	Percent Change
<b>U.S. Total</b> .....	<b>2,070,562</b>	<b>1,552,262</b>	<b>1,725,291</b>	<b>5,336,165</b>	<b>5,130,021</b>	<b>4.0</b>
<b>Exporting Country: Australia</b>						
Honolulu, HI.....	23,845	—	49,787	101,687	165,745	-38.6
<b>Total</b> .....	<b>23,845</b>	<b>—</b>	<b>49,787</b>	<b>101,687</b>	<b>165,745</b>	<b>-38.6</b>
<b>Exporting Country: Canada</b>						
Chicago, IL.....	32,378	60,793	—	181,317	34,957	418.7
Detroit, MI.....	126,922	92,133	182,952	247,118	301,687	-18.1
Duluth, MN.....	79,332	57,374	69,619	224,224	181,825	23.3
Great Falls, MT.....	—	25	—	25	645	-96.1
Pembina, ND.....	120,254	108,144	117,943	389,083	419,826	-7.3
Buffalo, NY.....	219	—	—	219	—	—
Ogdensburg, NY.....	—	—	—	50	—	—
Seattle, WA.....	—	12,126	12,126	12,126	18,228	-33.5
<b>Total</b> .....	<b>359,105</b>	<b>330,595</b>	<b>382,640</b>	<b>1,054,162</b>	<b>957,168</b>	<b>10.1</b>
<b>Exporting Country: Colombia</b>						
Mobile, AL.....	36,248	31,208	65,147	129,364	127,117	1.8
Miami, FL.....	—	—	—	—	26,035	—
Tampa, FL.....	508,891	289,507	359,406	1,102,493	957,277	15.2
Boston, MA.....	229,213	224,744	194,928	644,837	471,112	36.9
Baltimore, MD.....	—	—	—	—	28,328	—
Portland, ME.....	19,510	—	29,057	64,134	116,965	-45.2
Pembina, ND.....	26	—	—	26	—	—
Buffalo, NY.....	—	—	—	31	—	—
Philadelphia, PA.....	—	—	—	27,364	55,399	-50.6
San Juan, PR.....	10,073	—	55,638	10,073	158,160	-93.6
Houston-Galveston, TX.....	—	6,022	—	6,022	—	—
<b>Total</b> .....	<b>803,961</b>	<b>551,481</b>	<b>704,176</b>	<b>1,984,344</b>	<b>1,940,393</b>	<b>2.3</b>
<b>Exporting Country: Indonesia</b>						
Honolulu, HI.....	178,030	120,496	173,865	469,020	462,228	1.5
New Orleans, LA.....	291,262	141,088	69,815	509,510	210,783	141.7
Portland, ME.....	—	41,888	39,928	41,888	39,928	4.9
<b>Total</b> .....	<b>469,292</b>	<b>303,472</b>	<b>283,608</b>	<b>1,020,418</b>	<b>712,939</b>	<b>43.1</b>
<b>Exporting Country: Venezuela</b>						
Mobile, AL.....	—	—	173,244	127,703	618,207	-79.3
Savannah, GA.....	54,673	63,836	—	118,509	—	—
Boston, MA.....	250,378	273,795	131,640	757,189	495,532	52.8
Portland, ME.....	46,137	28,895	—	75,032	150,278	-50.1
Philadelphia, PA.....	36,132	—	—	36,132	—	—
San Juan, PR.....	23,271	—	—	56,616	—	—
Virgin Islands.....	—	—	—	—	22,046	—
<b>Total</b> .....	<b>410,591</b>	<b>366,526</b>	<b>304,884</b>	<b>1,171,181</b>	<b>1,286,063</b>	<b>-8.9</b>
<b>Other Exporting Countries</b>						
San Diego, CA.....	—	—	—	—	49	—
Tampa, FL.....	—	—	53	—	53	—
Chicago, IL.....	—	—	—	—	26	—
New Orleans, LA.....	—	—	—	—	42,439	—
Baltimore, MD.....	—	99	—	99	—	—
St Louis, MO.....	1	—	—	1	—	—
Buffalo, NY.....	1,977	24	—	2,001	—	—
New York City, NY.....	—	65	143	65	379	-82.8
San Juan, PR.....	—	—	—	—	24,656	—
Houston-Galveston, TX.....	12	—	—	12	—	—
Laredo, TX.....	1,778	—	—	2,195	111	NM
<b>Total</b> .....	<b>3,768</b>	<b>188</b>	<b>196</b>	<b>4,373</b>	<b>67,713</b>	<b>-93.5</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	July - September 1996	April - June 1996	July - September 1995	Year to Date		
				1996	1995	Percent Change
<b>Total</b> .....	<b>\$31.23</b>	<b>\$30.76</b>	<b>\$33.05</b>	<b>\$31.54</b>	<b>\$33.02</b>	<b>-4.5</b>
<b>Exporting Country: Australia</b>						
Honolulu, HI .....	\$32.51	-	\$31.37	\$33.52	\$30.66	9.3
<b>Total</b> .....	<b>32.51</b>	<b>-</b>	<b>31.37</b>	<b>33.52</b>	<b>30.66</b>	<b>9.3</b>
<b>Exporting Country: Canada</b>						
Chicago, IL .....	-	\$28.67	-	\$22.38	-	-
Detroit, MI .....	\$44.13	43.10	\$39.85	43.63	\$40.47	7.8
Duluth, MN .....	-	-	38.54	48.96	38.49	27.2
Pembina, ND .....	23.25	23.78	24.46	24.48	25.49	-4.0
Seattle, WA .....	-	28.18	26.96	28.18	26.94	4.6
<b>Total</b> .....	<b>34.53</b>	<b>32.34</b>	<b>34.48</b>	<b>31.52</b>	<b>32.79</b>	<b>-3.9</b>
<b>Exporting Country: Colombia</b>						
Mobile, AL .....	\$28.92	\$28.95	\$27.36	\$28.18	\$27.27	3.4
Miami, FL .....	-	-	-	-	42.49	-
Tampa, FL .....	31.95	32.13	32.28	32.06	31.59	1.5
Boston, MA .....	31.04	29.12	26.45	29.81	27.28	9.3
Baltimore, MD .....	-	-	-	-	33.52	-
Portland, ME .....	-	-	30.84	33.76	30.16	11.9
Philadelphia, PA .....	-	-	-	37.73	35.43	6.5
San Juan, PR .....	32.30	-	33.53	32.30	33.81	-4.5
Houston-Galveston, TX .....	-	34.47	-	34.47	-	-
<b>Total</b> .....	<b>31.55</b>	<b>30.75</b>	<b>30.25</b>	<b>31.20</b>	<b>30.64</b>	<b>1.8</b>
<b>Exporting Country: Indonesia</b>						
Honolulu, HI .....	\$43.85	\$43.41	\$43.12	\$43.58	\$42.58	2.4
New Orleans, LA .....	21.32	20.81	20.81	22.40	22.75	-1.6
Portland, ME .....	-	42.91	28.29	42.91	28.29	51.7
<b>Total</b> .....	<b>29.87</b>	<b>32.83</b>	<b>35.54</b>	<b>32.98</b>	<b>35.92</b>	<b>-8.2</b>
<b>Exporting Country: Venezuela</b>						
Mobile, AL .....	-	-	\$40.79	\$40.79	\$40.75	0.1
Savannah, GA .....	\$20.39	\$23.41	-	22.01	-	-
Boston, MA .....	30.73	29.62	29.36	30.11	28.45	5.8
Portland, ME .....	30.81	23.59	-	28.03	33.94	-17.4
Philadelphia, PA .....	39.11	-	-	39.11	-	-
San Juan, PR .....	32.30	-	-	32.65	-	-
Virgin Islands .....	-	-	-	-	29.94	-
<b>Total</b> .....	<b>30.19</b>	<b>28.06</b>	<b>35.85</b>	<b>30.72</b>	<b>35.03</b>	<b>-12.3</b>
<b>Other Exporting Countries</b>						
New Orleans, LA .....	-	-	-	-	\$46.42	-
New York City, NY .....	-	-	\$25.70	-	25.70	-
Laredo, TX .....	\$33.92	-	-	\$31.72	-	-
<b>Total</b> .....	<b>33.92</b>	<b>-</b>	<b>25.70</b>	<b>31.72</b>	<b>46.35</b>	<b>-31.6</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 \$55, 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	July - September 1996	April - June 1996	July - September 1995	Year to Date		
				1996	1995	Percent Change
<b>U.S. Total</b> .....	<b>1,434,883</b>	<b>1,095,795</b>	<b>1,134,758</b>	<b>3,583,112</b>	<b>3,246,080</b>	<b>10.4</b>
<b>Exporting Country: Canada</b>						
Takoma Dept. of Public Utilities, Steam No.2 .....	-	11,530	12,119	11,530	18,159	-36.5
<b>Total</b> .....	-	<b>11,530</b>	<b>12,119</b>	<b>11,530</b>	<b>18,159</b>	<b>-36.5</b>
<b>Exporting Country: Colombia</b>						
Jacksonville Electric Authority, St Johns River .....	564,730	231,470	400,020	1,100,300	997,880	10.3
New England Power (NEES), Brayton Point.....	101,900	124,800	77,100	330,800	196,000	68.8
New England Power (NEES), Salem Harbor.....	45,600	43,900	80,900	177,500	164,700	7.8
Public Serv Co of New Hampshire, Merrimack .....	-	-	-	-	11,509	-
Public Serv Co of New Hampshire, Schiller .....	-	-	25,027	32,325	122,863	-73.7
<b>Total</b> .....	<b>712,230</b>	<b>400,170</b>	<b>583,047</b>	<b>1,640,925</b>	<b>1,492,952</b>	<b>9.9</b>
<b>Exporting Country: Indonesia</b>						
Public Serv Co of New Hampshire, Schiller .....	-	-	39,928	-	39,928	-
Tampa Electric, Davant Transfer.....	291,259	141,078	69,814	509,496	284,031	79.4
<b>Total</b> .....	<b>291,259</b>	<b>141,078</b>	<b>109,742</b>	<b>509,496</b>	<b>323,959</b>	<b>57.3</b>
<b>Exporting Country: Venezuela</b>						
Central Hudson Gas & Electric, Danskammer .....	-	-	-	-	28,189	-
Gulf Power, Crist.....	-	62,100	246,500	205,950	619,100	-66.7
Gulf Power, Smith.....	-	9,250	20,950	92,250	111,600	-17.3
New England Power (NEES), Brayton Point.....	188,300	242,100	85,700	471,100	291,500	61.6
New England Power (NEES), Salem Harbor.....	137,100	126,700	76,700	414,700	306,200	35.4
Public Serv Co of New Hampshire, Schiller .....	27,254	-	-	27,254	54,421	-49.9
Savannah Electric and Power, Port Wentworth .....	78,740	102,867	-	209,907	-	-
<b>Total</b> .....	<b>431,394</b>	<b>543,017</b>	<b>429,850</b>	<b>1,421,161</b>	<b>1,411,010</b>	<b>.7</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
April - June.....	62.1	12,181	.98	5.52	228.0	55.54
<b>Total.....</b>	<b>205.9</b>	<b>12,224</b>	<b>.95</b>	<b>5.90</b>	<b>230.5</b>	<b>56.35</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
April - June.....	9.3	11,978	1.26	6.50	232.8	55.77
<b>Total.....</b>	<b>92.2</b>	<b>12,171</b>	<b>.99</b>	<b>6.03</b>	<b>234.7</b>	<b>57.13</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
April - June.....	231.5	11,798	.63	7.80	153.5	36.21
July - September.....	564.7	11,802	.66	7.95	153.2	36.17
<b>Total.....</b>	<b>1,100.3</b>	<b>11,807</b>	<b>.65</b>	<b>7.80</b>	<b>153.3</b>	<b>36.21</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
April - June.....	124.8	12,138	.58	5.50	172.2	41.80
July - September.....	101.9	12,095	.55	5.59	168.0	40.63
<b>Total.....</b>	<b>330.8</b>	<b>11,999</b>	<b>.59</b>	<b>5.51</b>	<b>166.1</b>	<b>39.87</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
April - June.....	242.1	12,800	.67	6.31	154.9	39.65
July - September.....	188.3	13,128	.64	5.85	173.4	45.52
<b>Total.....</b>	<b>471.1</b>	<b>12,945</b>	<b>.67</b>	<b>6.21</b>	<b>162.7</b>	<b>42.12</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>

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>Colombia</b>						
<b>1996</b>						
January - March.....	88.0	12,148	0.58	5.62	146.7	35.63
April - June.....	43.9	12,095	.60	5.59	146.7	35.49
July - September.....	45.6	12,041	.58	6.60	146.8	35.35
<b>Total.....</b>	<b>177.5</b>	<b>12,108</b>	<b>.58</b>	<b>5.87</b>	<b>146.7</b>	<b>35.53</b>
<b>Venezuela</b>						
1992.....	34.8	12,893	.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
April - June.....	126.7	12,784	.71	6.02	169.3	43.29
July - September.....	137.1	13,027	.69	5.98	154.2	40.17
<b>Total.....</b>	<b>414.7</b>	<b>12,891</b>	<b>.71</b>	<b>6.09</b>	<b>158.5</b>	<b>40.85</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>						
<b>1995</b>						
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>

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>Colombia</b>						
<b>1996</b>						
January - March.....	32.3	12,169	0.66	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>						
<b>1993</b> .....	16.0	12,620	.49	3.80	161.3	40.71
<b>1994</b> .....	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>
<b>Venezuela</b>						
<b>1990</b> .....	110.2	13,105	.49	4.82	187.7	49.19
<b>1991</b> .....	207.1	12,989	.52	5.65	173.6	45.10
<b>1992</b> .....	34.3	12,881	.58	6.76	168.0	43.29
<b>1993</b> .....	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>1996</b>						
July - September.....	27.3	13,052	.62	6.30	160.0	41.77
<b>Total</b> .....	<b>27.3</b>	<b>13,052</b>	<b>.62</b>	<b>6.30</b>	<b>160.0</b>	<b>41.77</b>
<b>Company and Plant: Public Serv Electric &amp; Gas-NJ, Hudson</b>						
<b>Colombia</b>						
<b>1994</b> .....	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>						
<b>1994</b> .....	11.9	11,235	0.69	5.87	214.1	48.12
<b>Venezuela</b>						
<b>1994</b> .....	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
April - June.....	102.9	12,320	.98	5.46	141.5	34.86
July - September.....	78.7	11,855	1.21	8.63	153.1	36.30
<b>Total</b> .....	<b>209.9</b>	<b>12,143</b>	<b>1.08</b>	<b>6.71</b>	<b>152.8</b>	<b>37.11</b>
<b>Company and Plant: Takoma Dept. of Public Utilities, Steam No.2</b>						
<b>Canada</b>						
<b>1991</b> .....	26.9	9,994	0.46	12.76	209.2	41.82
<b>1992</b> .....	15.3	9,993	.42	12.95	214.7	42.90
<b>1993</b> .....	29.2	10,036	.48	12.60	179.5	36.03
<b>1994</b> .....	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>1996</b>						
April - June.....	11.5	9,892	.44	13.13	174.4	34.51
<b>Total</b> .....	<b>11.5</b>	<b>9,892</b>	<b>.44</b>	<b>13.13</b>	<b>174.4</b>	<b>34.51</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, 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
April - June.....	141.1	9,737	.44	1.40	149.7	29.15
July - September.....	291.3	9,516	.17	1.48	149.7	28.49
<b>Total</b> .....	<b>509.5</b>	<b>9,622</b>	<b>.23</b>	<b>1.43</b>	<b>149.7</b>	<b>28.81</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
<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>1996</b>						
April - June.....	11.5	9,892	.44	13.13	174.4	34.51
<b>Total</b> .....	<b>11.5</b>	<b>9,892</b>	<b>.44</b>	<b>13.13</b>	<b>174.4</b>	<b>34.51</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
<b>1995</b>						
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>
<b>1996</b>						
January - March.....	528.5	11,882	.63	6.67	153.4	36.46
April - June.....	400.2	11,936	.61	6.84	158.7	37.88
July - September.....	712.2	11,859	.64	7.53	155.0	36.75
<b>Total</b> .....	<b>1,640.9</b>	<b>11,885</b>	<b>.63</b>	<b>7.08</b>	<b>155.4</b>	<b>36.93</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

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>Total of U.S. Electric Utility Plants</b>						
<b>Indonesia</b>						
<b>1995</b>						
January - March.....	214.2	9,710	0.40	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>
<b>1996</b>						
January - March.....	77.2	9,813	.11	1.30	149.7	29.38
April - June.....	141.1	9,737	.44	1.40	149.7	29.15
July - September.....	291.3	9,516	.17	1.48	149.7	28.49
<b>Total.....</b>	<b>509.5</b>	<b>9,622</b>	<b>.23</b>	<b>1.43</b>	<b>149.7</b>	<b>28.81</b>
<b>South Africa</b>						
<b>1994.....</b>	<b>127.3</b>	<b>11,318</b>	<b>.65</b>	<b>12.60</b>	<b>181.1</b>	<b>41.00</b>
<b>Venezuela</b>						
<b>1990.....</b>	<b>220.1</b>	<b>12,851</b>	<b>.58</b>	<b>6.85</b>	<b>182.6</b>	<b>46.93</b>
<b>1991.....</b>	<b>333.0</b>	<b>13,080</b>	<b>.59</b>	<b>6.54</b>	<b>166.2</b>	<b>43.47</b>
<b>1992.....</b>	<b>240.6</b>	<b>13,206</b>	<b>.69</b>	<b>7.18</b>	<b>164.6</b>	<b>43.49</b>
<b>1993.....</b>	<b>897.5</b>	<b>12,874</b>	<b>.67</b>	<b>6.96</b>	<b>166.4</b>	<b>42.84</b>
<b>1994.....</b>	<b>1,355.2</b>	<b>12,649</b>	<b>.76</b>	<b>6.61</b>	<b>172.3</b>	<b>43.60</b>
<b>1995</b>						
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>
<b>1996</b>						
January - March.....	446.7	12,509	.86	6.21	195.8	48.98
April - June.....	543.0	12,621	.78	5.99	165.1	41.68
July - September.....	431.4	12,859	.76	6.43	162.9	41.90
<b>Total.....</b>	<b>1,421.2</b>	<b>12,658</b>	<b>.80</b>	<b>6.19</b>	<b>174.0</b>	<b>44.04</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.

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



**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>
April - June						
Kentucky.....	140.0	13,045	.74	7.62	147.5	38.48
West Virginia.....	724.0	12,446	.68	11.06	141.6	35.24
<b>Total .....</b>	<b>864.0</b>	<b>12,543</b>	<b>.69</b>	<b>10.50</b>	<b>142.6</b>	<b>35.76</b>
July - September						
Kentucky.....	150.0	13,192	.72	6.75	150.9	39.80
West Virginia.....	750.0	12,402	.67	11.35	141.8	35.17
<b>Total .....</b>	<b>900.0</b>	<b>12,533</b>	<b>.68</b>	<b>10.58</b>	<b>143.4</b>	<b>35.94</b>
<b>Year to Date</b>						
Kentucky.....	496.0	13,076	.73	7.15	150.6	39.39
West Virginia.....	2,252.0	12,440	.68	11.15	142.3	35.40
<b>Total .....</b>	<b>2,748.0</b>	<b>12,555</b>	<b>.69</b>	<b>10.43</b>	<b>143.9</b>	<b>36.12</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>

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>1995</b>						
Wyoming.....	5,844.5	8,469	0.35	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>
April - June						
Wyoming.....	1,360.5	8,498	.42	5.24	159.6	27.12
<b>Total .....</b>	<b>1,360.5</b>	<b>8,498</b>	<b>.42</b>	<b>5.24</b>	<b>159.6</b>	<b>27.12</b>
July - September						
Wyoming.....	1,468.3	8,530	.42	5.14	162.1	27.65
<b>Total .....</b>	<b>1,468.3</b>	<b>8,530</b>	<b>.42</b>	<b>5.14</b>	<b>162.1</b>	<b>27.65</b>
<b>Year to Date</b>						
Wyoming.....	4,226.9	8,510	.41	5.16	160.0	27.22
<b>Total .....</b>	<b>4,226.9</b>	<b>8,510</b>	<b>.41</b>	<b>5.16</b>	<b>160.0</b>	<b>27.22</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>						
January - March						
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>
April - June						
Kentucky.....	142.7	12,584	1.05	9.02	148.9	37.48
West Virginia.....	51.6	12,952	.95	8.77	173.5	44.94
<b>Total .....</b>	<b>194.3</b>	<b>12,682</b>	<b>1.02</b>	<b>8.96</b>	<b>155.6</b>	<b>39.46</b>
July - September						
Kentucky.....	263.0	12,335	1.05	10.33	152.4	37.60
West Virginia.....	35.9	12,701	.97	9.75	175.9	44.68
<b>Total .....</b>	<b>298.9</b>	<b>12,379</b>	<b>1.04</b>	<b>10.26</b>	<b>155.3</b>	<b>38.45</b>
<b>Year to Date</b>						
Kentucky.....	695.2	12,476	1.03	9.64	150.3	37.51
West Virginia.....	122.2	12,729	.92	10.02	170.6	43.44
<b>Total .....</b>	<b>817.4</b>	<b>12,514</b>	<b>1.01</b>	<b>9.70</b>	<b>153.4</b>	<b>38.39</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>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>
<b>1995</b>						
Kentucky .....	308.8	12,859	.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>
April - June						
Kentucky .....	97.2	12,941	.65	8.64	188.2	48.72
West Virginia .....	79.1	13,094	.68	7.91	196.2	51.37
<b>Total .....</b>	<b>176.3</b>	<b>13,010</b>	<b>.66</b>	<b>8.31</b>	<b>191.8</b>	<b>49.91</b>
July - September						
Kentucky .....	92.1	12,559	.63	8.95	195.1	49.01
West Virginia .....	120.3	13,088	.67	7.78	196.3	51.37
<b>Total .....</b>	<b>212.4</b>	<b>12,859</b>	<b>.65</b>	<b>8.29</b>	<b>195.8</b>	<b>50.35</b>
<b>Year to Date</b>						
Kentucky .....	327.8	12,823	.65	8.59	192.4	49.35
West Virginia .....	268.5	13,055	.67	7.89	198.9	51.94
<b>Total .....</b>	<b>596.3</b>	<b>12,927</b>	<b>.66</b>	<b>8.27</b>	<b>195.4</b>	<b>50.52</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>

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 Power and Light (CSW), Coletto Creek</b>						
<b>1996</b>						
January - March						
Colorado .....	396.9	10,477	0.38	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>
April - June						
Colorado .....	495.5	10,473	.38	5.87	133.4	27.94
<b>Total .....</b>	<b>495.5</b>	<b>10,473</b>	<b>.38</b>	<b>5.87</b>	<b>133.4</b>	<b>27.94</b>
July - September						
Colorado .....	458.9	10,498	.40	5.80	130.2	27.35
<b>Total .....</b>	<b>458.9</b>	<b>10,498</b>	<b>.40</b>	<b>5.80</b>	<b>130.2</b>	<b>27.35</b>
<b>Year to Date</b>						
Colorado .....	1,351.3	10,483	.39	5.81	134.9	28.29
Wyoming .....	68.1	8,744	.30	5.40	161.0	28.16
<b>Total .....</b>	<b>1,419.3</b>	<b>10,400</b>	<b>.38</b>	<b>5.79</b>	<b>136.0</b>	<b>28.29</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>
<b>1993</b>						
Virginia .....	192.3	13,209	.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>
April - June						
West Virginia .....	136.6	12,942	.76	9.38	159.2	41.21
<b>Total .....</b>	<b>136.6</b>	<b>12,942</b>	<b>.76</b>	<b>9.38</b>	<b>159.2</b>	<b>41.21</b>
July - September						
Maryland .....	14.7	12,868	.69	10.30	161.0	41.43
West Virginia .....	126.7	12,903	.78	9.56	158.9	41.00
<b>Total .....</b>	<b>141.4</b>	<b>12,899</b>	<b>.77</b>	<b>9.63</b>	<b>159.1</b>	<b>41.05</b>
<b>Year to Date</b>						
Maryland .....	14.7	12,868	.69	10.30	161.0	41.43
Pennsylvania .....	.1	12,559	.82	10.42	153.1	38.46
West Virginia .....	373.8	12,929	.77	9.39	159.5	41.25
<b>Total .....</b>	<b>388.6</b>	<b>12,927</b>	<b>.76</b>	<b>9.43</b>	<b>159.6</b>	<b>41.26</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>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>
<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>
April - June						
Maryland .....	56.0	13,126	1.46	9.97	147.1	38.62
Pennsylvania .....	81.1	13,342	1.47	6.66	146.1	39.00
West Virginia .....	162.6	12,902	.70	8.84	172.8	44.59
<b>Total .....</b>	<b>299.8</b>	<b>13,063</b>	<b>1.05</b>	<b>8.46</b>	<b>160.6</b>	<b>41.96</b>
July - September						
Maryland .....	111.8	13,168	1.36	8.91	152.2	40.08
Pennsylvania .....	83.3	13,216	1.40	6.64	145.2	38.39
West Virginia .....	118.0	12,852	.75	9.01	171.8	44.16
<b>Total .....</b>	<b>313.1</b>	<b>13,062</b>	<b>1.14</b>	<b>8.34</b>	<b>157.6</b>	<b>41.16</b>
<b>Year to Date</b>						
Maryland .....	189.7	13,135	1.40	9.26	150.3	39.49
Pennsylvania .....	295.4	13,293	1.45	6.57	145.4	38.65
West Virginia .....	323.7	12,884	.72	8.85	173.0	44.57
<b>Total .....</b>	<b>808.8</b>	<b>13,092</b>	<b>1.15</b>	<b>8.11</b>	<b>157.4</b>	<b>41.22</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>

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: Detroit Edison Co, River Rouge</b>						
<b>1991</b>						
Kentucky .....	55.0	12,585	0.87	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>
April - June						
Kentucky .....	111.0	12,859	.80	8.04	153.1	39.38
West Virginia .....	83.0	12,033	.83	13.41	140.6	33.83
Wyoming .....	102.0	8,751	.23	4.88	103.9	18.18
<b>Total .....</b>	<b>296.0</b>	<b>11,212</b>	<b>.61</b>	<b>8.46</b>	<b>136.1</b>	<b>30.52</b>
July - September						
Kentucky .....	72.0	12,662	.86	8.38	168.3	42.62
West Virginia .....	81.0	12,104	.87	13.54	141.2	34.19
Wyoming .....	218.0	8,803	.23	4.66	104.0	18.31
<b>Total .....</b>	<b>371.0</b>	<b>10,273</b>	<b>.49</b>	<b>7.32</b>	<b>129.0</b>	<b>26.49</b>
<b>Year to Date</b>						
Kentucky .....	246.0	12,784	.82	8.10	155.7	39.82
West Virginia .....	257.0	12,128	.86	13.35	140.0	33.96
Wyoming .....	443.0	8,781	.24	4.86	104.5	18.36
<b>Total .....</b>	<b>946.0</b>	<b>10,731</b>	<b>.56</b>	<b>8.01</b>	<b>131.3</b>	<b>28.18</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>
<b>1993</b>						
Kentucky .....	612.5	12,469	.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>

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>1995</b>						
Kentucky .....	739.7	12,496	0.75	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>
April - June						
Kentucky .....	371.6	12,608	.70	8.50	164.9	41.59
West Virginia .....	237.0	12,495	.69	9.82	174.6	43.63
<b>Total .....</b>	<b>608.7</b>	<b>12,564</b>	<b>.69</b>	<b>9.01</b>	<b>168.7</b>	<b>42.38</b>
July - September						
Kentucky .....	202.5	12,446	.67	9.24	167.1	41.60
West Virginia .....	291.3	12,617	.70	9.85	174.5	44.04
<b>Total .....</b>	<b>493.9</b>	<b>12,547</b>	<b>.69</b>	<b>9.60</b>	<b>171.5</b>	<b>43.04</b>
<b>Year to Date</b>						
Kentucky .....	798.7	12,590	.68	8.57	166.5	41.92
West Virginia .....	721.4	12,549	.70	9.88	174.9	43.88
<b>Total .....</b>	<b>1,520.1</b>	<b>12,570</b>	<b>.69</b>	<b>9.19</b>	<b>170.4</b>	<b>42.85</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>
April - June						
Illinois .....	382.9	12,217	1.06	6.05	227.4	55.55
Venezuela .....	62.1	12,181	.98	5.52	228.0	55.54
<b>Total .....</b>	<b>445.0</b>	<b>12,212</b>	<b>1.05</b>	<b>5.98</b>	<b>227.4</b>	<b>55.55</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, Crist</b>						
<b>1996</b>						
July - September						
Illinois .....	372.2	12,121	1.20	6.12	221.1	53.60
<b>Total</b> .....	<b>372.2</b>	<b>12,121</b>	<b>1.20</b>	<b>6.12</b>	<b>221.1</b>	<b>53.60</b>
<b>Year to Date</b>						
Illinois .....	898.9	12,181	1.10	6.08	225.5	54.93
Venezuela .....	205.9	12,224	.95	5.90	230.5	56.35
<b>Total</b> .....	<b>1,104.9</b>	<b>12,189</b>	<b>1.07</b>	<b>6.05</b>	<b>226.4</b>	<b>55.20</b>
<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>
April - June						
Kentucky .....	25.5	11,974	3.05	9.84	135.3	32.41
<b>Total</b> .....	<b>25.5</b>	<b>11,974</b>	<b>3.05</b>	<b>9.84</b>	<b>135.3</b>	<b>32.41</b>
July - September						
Kentucky .....	44.2	11,904	3.17	9.65	142.0	33.80
<b>Total</b> .....	<b>44.2</b>	<b>11,904</b>	<b>3.17</b>	<b>9.65</b>	<b>142.0</b>	<b>33.80</b>
<b>Year to Date</b>						
Kentucky .....	78.7	12,008	3.13	9.52	140.1	33.65
<b>Total</b> .....	<b>78.7</b>	<b>12,008</b>	<b>3.13</b>	<b>9.52</b>	<b>140.1</b>	<b>33.65</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>

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>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>
April - June						
Illinois .....	256.5	11,613	2.23	8.87	132.2	30.71
Kentucky .....	46.2	11,798	2.95	9.44	151.3	35.71
Venezuela .....	9.3	11,978	1.26	6.50	232.8	55.77
<b>Total .....</b>	<b>312.0</b>	<b>11,651</b>	<b>2.31</b>	<b>8.88</b>	<b>138.2</b>	<b>32.20</b>
July - September						
Illinois .....	128.2	11,783	1.73	7.59	146.2	34.45
Kentucky .....	88.5	11,818	2.96	8.76	173.2	40.95
<b>Total .....</b>	<b>216.7</b>	<b>11,798</b>	<b>2.23</b>	<b>8.07</b>	<b>157.2</b>	<b>37.10</b>
<b>Year to Date</b>						
Illinois .....	595.4	11,751	2.01	8.17	149.2	35.06
Kentucky .....	134.7	11,811	2.96	8.99	165.7	39.15
Venezuela .....	92.2	12,171	.99	6.03	234.7	57.13
<b>Total .....</b>	<b>822.4</b>	<b>11,808</b>	<b>2.05</b>	<b>8.06</b>	<b>161.8</b>	<b>38.21</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>						
January - March						
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>
April - June						
Kentucky .....	64.0	13,112	.52	7.82	196.9	51.63
Pennsylvania .....	54.1	13,236	1.29	7.16	160.0	42.34
<b>Total .....</b>	<b>118.1</b>	<b>13,169</b>	<b>.87</b>	<b>7.52</b>	<b>179.9</b>	<b>47.38</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: Holyoke Water Power (NU), Mount Tom</b>						
<b>1996</b>						
July - September						
Kentucky.....	8.0	13,138	0.48	7.60	196.6	51.66
Pennsylvania.....	61.9	13,297	1.39	7.16	158.9	42.25
West Virginia.....	8.4	13,227	.64	8.20	189.1	50.02
<b>Total</b> .....	<b>78.4</b>	<b>13,273</b>	<b>1.21</b>	<b>7.31</b>	<b>165.9</b>	<b>44.05</b>
<b>Year to Date</b>						
Kentucky.....	103.8	13,095	.49	7.69	197.3	51.68
Pennsylvania.....	141.9	13,278	1.31	7.14	159.4	42.34
West Virginia.....	8.4	13,227	.64	8.20	189.1	50.02
<b>Total</b> .....	<b>254.1</b>	<b>13,201</b>	<b>.95</b>	<b>7.40</b>	<b>175.8</b>	<b>46.41</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>
<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>
April - June						
Kentucky.....	492.0	12,771	1.28	9.10	168.6	43.07
West Virginia.....	55.9	12,839	2.46	10.00	155.9	40.03
Colombia.....	231.5	11,798	.63	7.80	153.5	36.21
<b>Total</b> .....	<b>779.5</b>	<b>12,487</b>	<b>1.17</b>	<b>8.78</b>	<b>163.4</b>	<b>40.81</b>
July - September						
Kentucky.....	644.1	12,746	1.26	9.29	163.1	41.57
Colombia.....	564.7	11,802	.66	7.95	153.2	36.17
<b>Total</b> .....	<b>1,208.8</b>	<b>12,305</b>	<b>.98</b>	<b>8.67</b>	<b>158.7</b>	<b>39.05</b>
<b>Year to Date</b>						
Kentucky.....	1,570.8	12,767	1.27	9.12	165.7	42.31
West Virginia.....	133.3	12,384	1.68	11.85	177.2	43.88
Colombia.....	1,100.3	11,807	.65	7.80	153.3	36.21
<b>Total</b> .....	<b>2,804.4</b>	<b>12,372</b>	<b>1.05</b>	<b>8.73</b>	<b>161.6</b>	<b>39.99</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: 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>
April - June						
Colorado .....	104.2	11,106	.45	9.79	161.4	35.85
Montana .....	599.2	9,371	.39	4.67	141.3	26.49
<b>Total .....</b>	<b>703.4</b>	<b>9,628</b>	<b>.40</b>	<b>5.43</b>	<b>144.8</b>	<b>27.88</b>
July - September						
Colorado .....	403.6	11,472	.46	8.63	158.8	36.44
Montana .....	258.2	9,396	.41	4.37	136.8	25.70
<b>Total .....</b>	<b>661.8</b>	<b>10,662</b>	<b>.44</b>	<b>6.97</b>	<b>151.2</b>	<b>32.25</b>
<b>Year to Date</b>						
Colorado .....	507.9	11,397	.46	8.87	159.3	36.32
Montana .....	1,210.3	9,393	.40	4.53	140.1	26.32
<b>Total .....</b>	<b>1,718.2</b>	<b>9,985</b>	<b>.42</b>	<b>5.81</b>	<b>146.6</b>	<b>29.27</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
Venezuela .....	69.8	12,773	.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>

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>1993</b>						
Kentucky.....	68.7	12,641	0.54	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>
April - June						
Kentucky.....	41.4	12,775	.74	7.54	170.2	43.49
West Virginia.....	516.6	12,535	.68	9.93	172.0	43.12
Colombia.....	124.8	12,138	.58	5.50	172.2	41.80
Venezuela.....	242.1	12,800	.67	6.31	154.9	39.65
<b>Total.....</b>	<b>924.9</b>	<b>12,562</b>	<b>.67</b>	<b>8.28</b>	<b>167.4</b>	<b>42.05</b>
July - September						
Kentucky.....	80.3	12,605	.66	8.29	171.0	43.12
West Virginia.....	438.0	12,406	.72	10.60	169.0	41.92
Colombia.....	101.9	12,095	.55	5.59	168.0	40.63
Venezuela.....	188.3	13,128	.64	5.85	173.4	45.52
<b>Total.....</b>	<b>808.5</b>	<b>12,555</b>	<b>.68</b>	<b>8.63</b>	<b>170.1</b>	<b>42.71</b>
<b>Year to Date</b>						
Kentucky.....	214.7	12,674	.70	8.20	175.0	44.36
West Virginia.....	1,410.8	12,536	.70	10.15	173.6	43.54
Colombia.....	330.8	11,999	.59	5.51	166.1	39.87
Venezuela.....	471.1	12,945	.67	6.21	162.7	42.12
<b>Total.....</b>	<b>2,427.4</b>	<b>12,554</b>	<b>.68</b>	<b>8.58</b>	<b>170.6</b>	<b>42.83</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
Venezuela.....	34.8	12,893	.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>

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>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>
April - June						
West Virginia.....	40.1	13,022	.68	7.62	176.6	45.98
Colombia.....	43.9	12,095	.60	5.59	146.7	35.49
Venezuela.....	126.7	12,784	.71	6.02	169.3	43.29
<b>Total .....</b>	<b>210.7</b>	<b>12,686</b>	<b>.68</b>	<b>6.24</b>	<b>166.2</b>	<b>42.18</b>
July - September						
West Virginia.....	40.1	12,938	.70	8.11	177.6	45.96
Colombia.....	45.6	12,041	.58	6.60	146.8	35.35
Venezuela.....	137.1	13,027	.69	5.98	154.2	40.17
<b>Total .....</b>	<b>222.8</b>	<b>12,809</b>	<b>.67</b>	<b>6.49</b>	<b>157.0</b>	<b>40.23</b>
<b>Year to Date</b>						
West Virginia.....	80.2	12,980	.69	7.86	177.1	45.97
Colombia.....	177.5	12,108	.58	5.87	146.7	35.53
Venezuela.....	414.7	12,891	.71	6.09	158.5	40.85
<b>Total .....</b>	<b>672.4</b>	<b>12,695</b>	<b>.67</b>	<b>6.24</b>	<b>157.8</b>	<b>40.06</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>

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>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>
April - June						
Ohio.....	2.3	11,043	2.57	10.80	72.6	16.03
West Virginia.....	176.6	12,258	3.85	9.77	81.4	19.96
<b>Total.....</b>	<b>178.9</b>	<b>12,242</b>	<b>3.83</b>	<b>9.78</b>	<b>81.3</b>	<b>19.91</b>
July - September						
West Virginia.....	238.3	12,402	3.75	9.58	80.6	20.00
<b>Total.....</b>	<b>238.3</b>	<b>12,402</b>	<b>3.75</b>	<b>9.58</b>	<b>80.6</b>	<b>20.00</b>
<b>Year to Date</b>						
Ohio.....	2.3	11,043	2.57	10.80	72.6	16.03
Pennsylvania.....	33.4	11,981	3.38	11.11	77.5	18.56
West Virginia.....	414.9	12,341	3.79	9.66	81.0	19.98
<b>Total.....</b>	<b>450.6</b>	<b>12,307</b>	<b>3.75</b>	<b>9.77</b>	<b>80.7</b>	<b>19.86</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>						
January - March						
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>

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 Indiana, Gallagher</b>						
<b>1996</b>						
April - June						
Illinois .....	104.2	11,926	1.60	6.94	111.2	26.53
Kentucky .....	5.2	12,438	2.13	7.60	108.6	27.02
Pennsylvania .....	212.2	12,969	2.58	8.32	108.6	28.18
<b>Total .....</b>	<b>321.6</b>	<b>12,622</b>	<b>2.25</b>	<b>7.86</b>	<b>109.4</b>	<b>27.62</b>
July - September						
Illinois .....	91.3	12,069	1.49	6.91	113.8	27.46
Kentucky .....	31.7	12,420	2.21	10.11	110.0	27.32
Pennsylvania .....	119.6	13,006	2.23	8.05	109.8	28.56
<b>Total .....</b>	<b>242.6</b>	<b>12,577</b>	<b>1.95</b>	<b>7.89</b>	<b>111.3</b>	<b>27.99</b>
<b>Year to Date</b>						
Illinois .....	285.2	11,960	1.48	6.74	115.2	27.56
Kentucky .....	52.0	12,418	2.06	9.68	110.8	27.53
Pennsylvania .....	394.9	13,039	2.41	8.14	109.1	28.45
<b>Total .....</b>	<b>732.1</b>	<b>12,574</b>	<b>2.02</b>	<b>7.70</b>	<b>111.5</b>	<b>28.04</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>
<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>
April - June						
Pennsylvania .....	178.2	13,213	1.61	6.84	163.3	43.14
Virginia .....	10.0	13,990	.70	6.20	201.2	56.30
West Virginia .....	67.7	13,334	2.34	6.57	144.1	38.44
<b>Total .....</b>	<b>255.9</b>	<b>13,276</b>	<b>1.77</b>	<b>6.74</b>	<b>159.7</b>	<b>42.41</b>
July - September						
Pennsylvania .....	171.0	13,234	1.54	6.56	161.6	42.77
West Virginia .....	67.7	13,330	2.58	6.80	146.6	39.08
<b>Total .....</b>	<b>238.7</b>	<b>13,261</b>	<b>1.83</b>	<b>6.63</b>	<b>157.3</b>	<b>41.73</b>
<b>Year to Date</b>						
Pennsylvania .....	546.0	13,227	1.55	6.74	162.2	42.90
Virginia .....	10.0	13,990	.70	6.20	201.2	56.30
West Virginia .....	214.3	13,322	2.39	6.53	144.3	38.46
<b>Total .....</b>	<b>770.4</b>	<b>13,263</b>	<b>1.78</b>	<b>6.68</b>	<b>157.7</b>	<b>41.84</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>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>
April - June						
West Virginia .....	28.3	13,164	1.33	8.60	154.7	40.73
<b>Total .....</b>	<b>28.3</b>	<b>13,164</b>	<b>1.33</b>	<b>8.60</b>	<b>154.7</b>	<b>40.73</b>
July - September						
West Virginia .....	58.4	12,865	1.42	10.06	159.2	40.97
Venezuela .....	27.3	13,052	.62	6.30	160.0	41.77
<b>Total .....</b>	<b>85.6</b>	<b>12,924</b>	<b>1.17</b>	<b>8.86</b>	<b>159.5</b>	<b>41.23</b>
<b>Year to Date</b>						
Pennsylvania .....	29.3	13,098	1.36	7.05	159.0	41.65
West Virginia .....	86.7	12,962	1.39	9.58	157.7	40.89
Colombia .....	32.3	12,169	.66	5.68	161.9	39.41
Venezuela .....	27.3	13,052	.62	6.30	160.0	41.77
<b>Total .....</b>	<b>175.6</b>	<b>12,853</b>	<b>1.13</b>	<b>7.93</b>	<b>159.0</b>	<b>40.88</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>

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 Electric &amp; Gas-NJ, Hudson</b>						
<b>1993</b>						
Kentucky .....	76.0	13,336	0.84	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>						
January - March						
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>
April - June						
Kentucky.....	23.9	13,085	.70	7.11	184.9	48.40
West Virginia.....	115.1	12,773	.82	8.88	174.7	44.64
<b>Total .....</b>	<b>139.0</b>	<b>12,827</b>	<b>.80</b>	<b>8.57</b>	<b>176.5</b>	<b>45.28</b>
July - September						
Kentucky.....	45.3	12,899	.66	7.90	177.3	45.73
West Virginia.....	170.3	12,459	.92	11.37	169.5	42.23
<b>Total .....</b>	<b>215.6</b>	<b>12,551</b>	<b>.86</b>	<b>10.64</b>	<b>171.2</b>	<b>42.96</b>
<b>Year to Date</b>						
Kentucky.....	90.8	12,982	.66	7.42	181.6	47.14
West Virginia.....	380.9	12,688	.87	9.82	172.4	43.76
<b>Total .....</b>	<b>471.7</b>	<b>12,745</b>	<b>.83</b>	<b>9.36</b>	<b>174.2</b>	<b>44.41</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>
<b>1995</b>						
Kentucky .....	9.9	11,801	.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>
April - June						
Venezuela .....	102.9	12,320	.98	5.46	141.5	34.86
<b>Total .....</b>	<b>102.9</b>	<b>12,320</b>	<b>.98</b>	<b>5.46</b>	<b>141.5</b>	<b>34.86</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>1996</b>						
July - September						
Venezuela .....	78.7	11,855	1.21	8.63	153.1	36.30
<b>Total .....</b>	<b>78.7</b>	<b>11,855</b>	<b>1.21</b>	<b>8.63</b>	<b>153.1</b>	<b>36.30</b>
<b>Year to Date</b>						
Venezuela .....	209.9	12,143	1.08	6.71	152.8	37.11
<b>Total .....</b>	<b>209.9</b>	<b>12,143</b>	<b>1.08</b>	<b>6.71</b>	<b>152.8</b>	<b>37.11</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>
April - June						
Canada .....	11.5	9,892	.44	13.13	174.4	34.51
<b>Total .....</b>	<b>11.5</b>	<b>9,892</b>	<b>.44</b>	<b>13.13</b>	<b>174.4</b>	<b>34.51</b>
July - September						
Wyoming .....	.3	8,858	.27	5.13	109.0	19.31
<b>Total .....</b>	<b>.3</b>	<b>8,858</b>	<b>.27</b>	<b>5.13</b>	<b>109.0</b>	<b>19.31</b>
<b>Year to Date</b>						
Montana .....	3.9	9,516	.50	5.00	176.0	33.50
Wyoming .....	.3	8,858	.27	5.13	109.0	19.31
Canada .....	11.5	9,892	.44	13.13	174.4	34.51
<b>Total .....</b>	<b>15.7</b>	<b>9,780</b>	<b>.45</b>	<b>10.97</b>	<b>173.8</b>	<b>33.99</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>April - June</b>						
Illinois .....	706.4	11,855	2.04	7.80	160.4	38.03
Kentucky .....	391.4	11,634	2.67	7.73	125.1	29.11
West Virginia .....	40.7	13,118	2.33	7.74	130.1	34.13
Wyoming .....	253.4	8,814	.22	4.36	141.9	25.02
Indonesia .....	141.1	9,737	.44	1.40	149.7	29.15
<b>Total .....</b>	<b>1,532.9</b>	<b>11,135</b>	<b>1.76</b>	<b>6.62</b>	<b>146.8</b>	<b>32.68</b>
<b>July - September</b>						
Illinois .....	779.9	11,982	2.11	7.83	159.6	38.25
Kentucky .....	346.8	11,786	2.75	7.71	128.8	30.35
West Virginia .....	46.9	13,169	2.48	7.85	130.1	34.27
Wyoming .....	153.5	8,885	.21	4.47	145.3	25.82
Indonesia .....	291.3	9,516	.17	1.48	149.7	28.49
<b>Total .....</b>	<b>1,618.4</b>	<b>11,237</b>	<b>1.73</b>	<b>6.34</b>	<b>149.1</b>	<b>33.51</b>
<b>Year to Date</b>						
Colorado .....	138.6	12,929	.48	10.04	190.8	49.32
Illinois .....	2,136.8	11,858	2.09	7.83	162.7	38.58
Kentucky .....	1,138.3	11,671	2.66	7.52	126.5	29.53
West Virginia .....	87.6	13,145	2.41	7.80	130.1	34.20

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, Davant Transfer</b>						
<b>1996</b>						
<b>Year to Date</b>						
Wyoming.....	406.9	8,841	0.22	4.40	143.2	25.32
Indonesia.....	509.5	9,622	.23	1.43	149.7	28.81
<b>Total</b> .....	<b>4,417.7</b>	<b>11,333</b>	<b>1.80</b>	<b>6.76</b>	<b>150.7</b>	<b>34.15</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
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

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>1993</b>						
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>
<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>						
January - March						
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

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>1996</b>						
January - March						
Venezuela .....	446.7	12,509	0.86	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>
April - June						
Colorado .....	599.7	10,583	.39	6.55	138.5	29.32
Illinois .....	1,450.0	11,913	1.79	7.46	170.1	40.54
Kentucky .....	1,952.2	12,512	1.35	8.43	157.1	39.32
Maryland .....	56.0	13,126	1.46	9.97	147.1	38.62
Montana .....	599.2	9,371	.39	4.67	141.3	26.49
Ohio .....	2.3	11,043	2.57	10.80	72.6	16.03
Pennsylvania .....	525.6	13,137	1.95	7.44	138.5	36.38
Virginia .....	10.0	13,990	.70	6.20	201.2	56.30
West Virginia .....	2,515.0	12,605	1.04	9.94	154.7	39.00
Wyoming .....	1,715.9	8,560	.38	5.09	153.5	26.28
Canada .....	11.5	9,892	.44	13.13	174.4	34.51
Colombia .....	400.2	11,936	.61	6.84	158.7	37.88
Indonesia .....	141.1	9,737	.44	1.40	149.7	29.15
Venezuela .....	543.0	12,621	.78	5.99	165.1	41.68
<b>Total .....</b>	<b>10,521.8</b>	<b>11,498</b>	<b>1.03</b>	<b>7.47</b>	<b>155.6</b>	<b>35.77</b>
July - September						
Colorado .....	862.5	10,954	.43	7.12	144.2	31.60
Illinois .....	1,371.6	12,007	1.79	7.28	172.2	41.34
Kentucky .....	2,068.6	12,461	1.43	8.84	157.3	39.21
Maryland .....	126.4	13,133	1.28	9.07	153.2	40.23
Montana .....	258.2	9,396	.41	4.37	136.8	25.70
Pennsylvania .....	435.9	13,177	1.68	7.07	144.0	37.96
West Virginia .....	2,591.4	12,562	1.10	10.31	152.7	38.36
Wyoming .....	1,840.1	8,592	.38	5.03	153.6	26.39
Colombia .....	712.2	11,859	.64	7.53	155.0	36.75
Indonesia .....	291.3	9,516	.17	1.48	149.7	28.49
Venezuela .....	431.4	12,859	.76	6.43	162.9	41.90
<b>Total .....</b>	<b>10,989.6</b>	<b>11,525</b>	<b>1.02</b>	<b>7.67</b>	<b>155.5</b>	<b>35.84</b>
<b>Year to Date</b>						
Colorado .....	1,997.8	10,885	.41	6.88	146.0	31.79
Illinois .....	3,916.4	11,923	1.81	7.40	171.9	41.00
Kentucky .....	5,947.6	12,500	1.36	8.49	157.1	39.29
Maryland .....	204.3	13,116	1.35	9.33	151.1	39.63
Montana .....	1,214.2	9,393	.40	4.53	140.2	26.34
Ohio .....	2.3	11,043	2.57	10.80	72.6	16.03
Pennsylvania .....	1,441.1	13,162	1.78	7.24	142.2	37.42
Virginia .....	10.0	13,990	.70	6.20	201.2	56.30
West Virginia .....	7,135.7	12,588	.99	10.18	156.1	39.29
Wyoming .....	5,145.2	8,562	.38	5.08	153.7	26.32
Canada .....	11.5	9,892	.44	13.13	174.4	34.51
Colombia .....	1,640.9	11,885	.63	7.08	155.4	36.93
Indonesia .....	509.5	9,622	.23	1.43	149.7	28.81
Venezuela .....	1,421.2	12,658	.80	6.19	174.0	44.04
<b>Total .....</b>	<b>30,597.6</b>	<b>11,517</b>	<b>1.00</b>	<b>7.56</b>	<b>157.0</b>	<b>36.16</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.

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

# **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, 1990-1996**  
(Thousand Metric Tons)

Year and Quarter	Production	Imports	Producer and Distributor Stocks <sup>1</sup>	Consumption	Exports	Consumer Stocks <sup>1</sup>
<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> .....	242,328	1,629	38,519	206,479	17,226	130,638
April - June .....	226,209	1,460	38,196	197,257	21,032	137,581
July - September .....	233,924	1,565	32,833	235,281	20,116	119,512
October - December.....	234,638	1,879	31,247	214,316	21,955	122,142
<b>Total</b> .....	<b>937,098</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
April - June .....	237,294	1,408	33,878	207,699	20,901	121,822
July - September .....	245,225	1,878	30,645	233,963	21,322	115,406
<b>Total</b> .....	<b>716,623</b>	<b>4,841</b>		<b>662,124</b>	<b>60,835</b>	

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

Notes: Consumption data for 1990 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. For 1990 through 1996, these excluded EIA quarterly estimated consumption data are: 363, 1361, 2268, 2800, 3434, 4717, and 5443 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, 1990-1996**  
(Thousand Metric Tons)

Year and Quarter	Electric Utilities	Coke Plants	Other Industrial	Residential and Commercial	Total
<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
April - June .....	184,145	7,242	15,256	1,057	207,699
July - September .....	211,324	6,398	15,185	1,057	233,963
<b>Total</b> .....	<b>590,304</b>	<b>20,872</b>	<b>47,249</b>	<b>3,698</b>	<b>662,124</b>

Notes: Consumption data for 1990 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. For 1990 through 1996, these excluded quarterly estimated consumption data were: 363, 1361, 2268, 2800, 3434, 4717, and 5443 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, 1990-1996**  
(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>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
June 30 .....	115,315	2,363	4,143	121,822	33,878	155,699
September 30 .....	108,384	2,213	4,810	115,406	30,645	146,051

<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, 1990-1996**  
(Thousand Metric Tons, Dollars per Metric Ton)

Year	1990	1991	1992	1993	1994	1995	1996
<b>January - March</b>							
<b>Exports</b>							
Quantity.....	20,305	20,247	22,436	17,118	13,496	17,226	18,611
Price .....	\$47.65	\$49.14	\$46.61	\$46.80	\$46.18	\$43.98	\$46.04
<b>Imports</b>							
Quantity.....	666	851	616	1,101	1,678	1,629	1,554
Price .....	\$38.66	\$37.16	\$37.07	\$33.84	\$31.81	\$35.64	\$36.95
<b>April - June</b>							
<b>Exports</b>							
Quantity.....	25,159	23,781	24,503	18,095	16,275	21,032	20,901
Price .....	\$46.86	\$47.37	\$45.57	\$45.66	\$44.10	\$43.64	\$44.95
<b>Imports</b>							
Quantity.....	612	662	947	991	1,430	1,460	1,408
Price .....	\$37.11	\$38.14	\$36.33	\$35.56	\$31.67	\$39.86	\$35.78
<b>July - September</b>							
<b>Exports</b>							
Quantity.....	26,759	28,302	24,023	16,803	17,875	20,116	21,322
Price .....	\$46.54	\$45.76	\$44.86	\$44.89	\$42.84	\$45.18	\$44.68
<b>Imports</b>							
Quantity.....	466	893	800	1,944	2,090	1,565	1,878
Price .....	\$35.33	\$34.67	\$37.95	\$32.54	\$34.08	\$37.05	\$36.59
<b>October - December</b>							
<b>Exports</b>							
Quantity.....	23,760	26,526	22,039	15,586	17,089	21,955	-
Price .....	\$47.05	\$45.36	\$45.27	\$45.19	\$43.46	\$44.70	-
<b>Imports</b>							
Quantity.....	704	669	1,087	2,595	1,681	1,879	-
Price .....	\$39.84	\$36.55	\$36.46	\$31.87	\$35.20	\$38.07	-
<b>Total</b>							
<b>Exports</b>							
Quantity.....	95,984	98,855	93,001	67,603	64,735	80,329	60,835
Price .....	\$46.99	\$46.73	\$45.57	\$45.65	\$44.02	\$44.39	-
<b>Imports</b>							
Quantity.....	2,449	3,075	3,450	6,631	6,880	6,533	4,841
Price .....	\$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	July - September 1996	April - June 1996	July - September 1995	Year to date		
				1996	1995	Percent Change
<b>North America Total</b> .....	<b>4,476,791</b>	<b>2,670,793</b>	<b>3,036,118</b>	<b>7,815,689</b>	<b>6,744,953</b>	<b>15.9</b>
Canada <sup>1</sup> .....	3,993,074	2,501,857	2,813,458	6,957,746	6,340,851	9.7
Jamaica.....	5,411	—	63,762	14,227	75,043	-81.0
Mexico.....	476,304	150,362	140,690	822,914	304,741	170.0
Other <sup>2</sup> .....	2,002	18,574	18,208	20,802	24,318	-14.5
<b>South America Total</b> .....	<b>1,693,361</b>	<b>1,847,901</b>	<b>1,733,899</b>	<b>4,967,505</b>	<b>4,549,911</b>	<b>9.2</b>
Argentina.....	68,021	126,807	984	231,544	184,840	25.3
Brazil.....	1,513,047	1,573,136	1,662,155	4,330,219	4,261,668	1.6
Chile.....	89,155	144,815	68,501	370,595	68,807	438.6
Other <sup>2</sup> .....	23,138	3,143	2,259	35,147	34,596	1.6
<b>Europe Total</b> .....	<b>9,867,065</b>	<b>11,164,555</b>	<b>10,542,043</b>	<b>32,326,372</b>	<b>31,696,465</b>	<b>2.0</b>
Belgium & Luxembourg.....	865,713	1,089,013	876,432	3,253,741	2,797,510	16.3
Bulgaria.....	253,654	365,021	204,968	952,466	816,153	16.7
Denmark.....	298,222	274,483	556,976	963,854	1,705,652	-43.5
Finland.....	295,148	238,069	285,999	579,769	559,010	3.7
France.....	621,448	852,675	615,653	2,415,791	2,174,710	11.1
Germany, FR.....	117,392	279,979	261,689	723,045	1,012,445	-28.6
Ireland.....	240,430	—	—	464,192	489,541	-5.2
Italy.....	1,535,013	2,371,360	1,969,077	6,448,477	6,308,372	2.2
Netherlands.....	1,753,359	1,460,334	1,487,693	5,084,593	4,844,661	5.0
Norway.....	21,715	16,187	19,999	51,172	71,887	-28.8
Portugal.....	520,735	236,275	456,476	987,920	1,125,208	-12.2
Romania.....	395,228	354,538	595,240	1,018,018	1,467,029	-30.6
Spain.....	848,098	1,164,369	1,231,533	2,838,227	3,444,781	-17.6
Sweden.....	294,564	190,883	294,502	628,320	669,370	-6.1
Turkey.....	457,863	578,819	449,513	1,484,453	1,229,484	20.7
United Kingdom.....	1,333,864	1,505,425	1,222,362	4,210,212	2,953,047	42.6
Other <sup>2</sup> .....	14,619	187,125	13,931	222,122	27,605	( <sup>3</sup> )
<b>Asia Total</b> .....	<b>4,245,267</b>	<b>4,102,065</b>	<b>3,950,548</b>	<b>12,503,077</b>	<b>13,334,438</b>	<b>-6.2</b>
China (Taiwan).....	633,889	590,906	565,923	1,760,241	1,820,967	-3.3
Israel.....	287,077	231,889	127,486	743,192	464,742	59.9
Japan.....	2,650,522	2,414,853	2,404,366	7,552,417	8,415,202	-10.3
Korea, Republic of.....	669,710	852,527	851,226	2,415,722	2,631,752	-8.2
Other <sup>2</sup> .....	4,069	11,890	1,547	31,505	1,775	( <sup>3</sup> )
<b>Oceania &amp; Australia Total</b> .....	<b>185</b>	<b>92</b>	<b>111</b>	<b>277</b>	<b>179</b>	<b>54.7</b>
<b>Africa Total</b> .....	<b>1,039,622</b>	<b>1,115,339</b>	<b>853,663</b>	<b>3,221,580</b>	<b>2,047,872</b>	<b>57.3</b>
Algeria.....	—	49,892	99,812	104,243	149,773	-30.4
Egypt.....	225,273	230,696	304,278	718,825	734,606	-2.1
Morocco.....	283,248	608,008	300,618	1,367,714	684,293	99.9
South Africa, Rep of.....	531,101	226,743	148,955	1,030,798	479,200	115.1
<b>Total</b> .....	<b>21,322,291</b>	<b>20,900,745</b>	<b>20,116,382</b>	<b>60,834,500</b>	<b>58,373,818</b>	<b>4.2</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 (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	July - September 1996	April - June 1996	July - September 1995	Year to date		
				1996	1995	Percent Change
<b>North America Total</b> .....	<b>\$36.69</b>	<b>\$37.05</b>	<b>\$38.54</b>	<b>\$37.22</b>	<b>\$37.52</b>	<b>-0.8</b>
Canada <sup>1</sup> .....	36.13	36.20	38.30	36.34	37.05	-1.9
Jamaica.....	33.62	-	35.69	36.95	36.01	2.6
Mexico.....	41.36	50.74	43.96	44.51	47.58	-6.5
Other <sup>2</sup> .....	42.80	43.64	43.33	43.56	42.14	3.4
<b>South America Total</b> .....	<b>48.81</b>	<b>48.34</b>	<b>48.76</b>	<b>48.38</b>	<b>47.83</b>	<b>1.2</b>
Argentina.....	43.14	51.94	37.96	50.13	48.66	3.0
Brazil.....	49.53	49.08	49.28	49.27	47.96	2.7
Chile.....	38.02	35.77	36.32	35.90	36.33	-1.2
Other <sup>2</sup> .....	44.06	44.92	42.83	42.00	50.67	-17.1
<b>Europe Total</b> .....	<b>46.79</b>	<b>46.34</b>	<b>46.09</b>	<b>46.38</b>	<b>45.15</b>	<b>2.7</b>
Belgium & Luxembourg.....	49.89	50.13	50.81	50.55	48.18	4.9
Bulgaria.....	48.46	50.00	48.66	48.26	48.24	*
Denmark.....	30.95	32.46	30.17	32.35	32.40	-2
Finland.....	45.56	48.94	45.27	47.29	45.13	4.8
France.....	52.44	50.42	48.86	49.52	49.23	.6
Germany, FR.....	49.92	39.53	46.75	41.60	39.13	6.3
Ireland.....	41.37	-	-	41.15	39.61	3.9
Italy.....	51.96	48.66	49.64	49.54	48.27	2.6
Netherlands.....	44.92	45.23	48.93	45.26	46.50	-2.7
Norway.....	64.76	63.92	62.04	64.04	62.04	3.2
Portugal.....	39.72	42.99	40.83	40.51	40.80	-7
Romania.....	57.28	50.63	46.83	53.12	47.18	12.6
Spain.....	40.55	38.71	39.45	40.45	37.71	7.3
Sweden.....	53.70	49.34	53.18	52.24	51.99	.5
Turkey.....	49.63	49.86	49.73	49.57	47.27	4.9
United Kingdom.....	43.40	45.31	43.44	43.58	46.28	-5.8
Other <sup>2</sup> .....	63.54	39.60	61.87	43.29	61.86	-30.0
<b>Asia Total</b> .....	<b>43.74</b>	<b>42.72</b>	<b>44.55</b>	<b>43.75</b>	<b>42.83</b>	<b>2.1</b>
China (Taiwan).....	41.05	39.05	41.28	40.55	40.38	.4
Israel.....	40.73	40.00	45.10	39.81	39.62	.5
Japan.....	43.30	42.18	44.60	43.39	42.89	1.2
Korea, Republic of.....	49.30	47.25	46.51	48.35	44.91	7.6
Other <sup>2</sup> .....	44.97	63.14	32.31	54.40	32.73	66.2
<b>Oceania &amp; Australia Total</b> .....	<b>44.79</b>	<b>44.90</b>	<b>43.82</b>	<b>44.83</b>	<b>43.82</b>	<b>2.3</b>
<b>Africa Total</b> .....	<b>50.25</b>	<b>46.56</b>	<b>48.95</b>	<b>48.35</b>	<b>47.67</b>	<b>1.4</b>
Algeria.....	-	53.52	52.95	54.78	51.99	5.4
Egypt.....	57.21	61.45	57.37	59.37	54.70	8.5
Morocco.....	35.70	37.45	36.59	37.24	36.65	1.6
South Africa, Rep of.....	55.06	54.30	54.01	54.75	51.28	6.8
<b>Total</b> <sup>3</sup> .....	<b>44.43</b>	<b>44.67</b>	<b>45.04</b>	<b>44.97</b>	<b>44.07</b>	<b>2.0</b>
<b>U.S. Total</b> <sup>4</sup> .....	<b>44.68</b>	<b>44.95</b>	<b>45.19</b>	<b>45.19</b>	<b>44.28</b>	<b>2.1</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 (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.

\* Rounded to zero

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	July - September 1996	April - June 1996	July - September 1995	Year to date		
				1996	1995	Percent Change
<b>North America Total</b> .....	<b>2,047,708</b>	<b>1,253,769</b>	<b>1,431,347</b>	<b>3,620,244</b>	<b>3,676,811</b>	<b>-1.5</b>
Canada <sup>1</sup> .....	1,645,997	1,196,839	1,271,094	3,067,959	3,469,702	-11.6
Jamaica.....	5,411	-	63,762	14,227	75,043	-81.0
Mexico.....	394,298	38,356	78,283	517,256	107,748	380.1
Other <sup>2</sup> .....	2,002	18,574	18,208	20,802	24,318	-14.5
<b>South America Total</b> .....	<b>149,013</b>	<b>184,230</b>	<b>72,243</b>	<b>421,261</b>	<b>110,939</b>	<b>279.7</b>
Argentina.....	1,956	68	984	2,342	4,015	-41.7
Brazil.....	34,764	36,204	499	83,798	3,521	(3)
Chile.....	89,155	144,815	68,501	300,153	68,807	336.2
Other <sup>2</sup> .....	23,138	3,143	2,259	34,968	34,596	1.1
<b>Europe Total</b> .....	<b>3,969,687</b>	<b>4,459,088</b>	<b>4,187,332</b>	<b>13,119,240</b>	<b>13,232,432</b>	<b>-9</b>
Belgium & Luxembourg.....	265,151	247,654	118,282	732,354	586,662	24.8
Bulgaria.....	-	107,515	-	107,515	-	-
Denmark.....	298,222	274,483	556,976	963,854	1,705,652	-43.5
Finland.....	90,303	-	119,154	90,303	119,154	-24.2
France.....	-	135,469	71,057	440,451	83,817	425.5
Germany, FR.....	34,963	183,682	233,530	469,034	908,731	-48.4
Ireland.....	240,430	-	-	464,192	489,541	-5.2
Italy.....	532,089	1,185,739	877,319	2,814,649	3,128,088	-10.0
Netherlands.....	922,726	611,141	521,734	2,318,006	2,072,621	11.8
Norway.....	6,238	4,180	-	10,418	3,345	211.4
Portugal.....	454,672	205,883	456,476	891,465	1,125,208	-20.8
Romania.....	-	-	-	-	271,302	-
Spain.....	478,732	659,337	664,444	1,473,323	1,889,236	-22.0
Sweden.....	8,698	61,304	7,814	70,002	7,814	(3)
Turkey.....	13,115	2,372	158	126,469	575	(3)
United Kingdom.....	624,043	607,624	560,370	1,974,195	840,668	134.8
Other <sup>2</sup> .....	305	172,705	18	173,010	18	(3)
<b>Asia Total</b> .....	<b>2,215,936</b>	<b>2,556,619</b>	<b>1,682,001</b>	<b>6,606,534</b>	<b>5,481,565</b>	<b>20.5</b>
China (Taiwan).....	521,402	590,906	466,128	1,524,257	1,604,516	-5.0
Israel.....	168,462	231,889	-	624,577	337,256	85.2
Japan.....	1,378,746	1,388,338	922,803	3,748,636	2,679,875	39.9
Korea, Republic of.....	143,257	344,096	291,523	698,921	858,143	-18.6
Other <sup>2</sup> .....	4,069	1,390	1,547	10,143	1,775	471.4
<b>Oceania &amp; Australia Total</b> .....	<b>185</b>	<b>92</b>	<b>111</b>	<b>277</b>	<b>179</b>	<b>54.7</b>
<b>Africa Total</b> .....	<b>250,064</b>	<b>608,008</b>	<b>301,790</b>	<b>1,335,355</b>	<b>685,741</b>	<b>94.7</b>
Egypt.....	-	-	1,128	825	1,128	-26.9
Morocco.....	250,064	608,008	300,618	1,334,530	684,293	95.0
South Africa, Rep of.....	-	-	44	-	320	-
<b>Total</b> .....	<b>8,632,593</b>	<b>9,061,806</b>	<b>7,674,824</b>	<b>25,102,911</b>	<b>23,187,667</b>	<b>8.3</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> 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.

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	July - September 1996	April - June 1996	July - September 1995	Year to date		
				1996	1995	Percent Change
<b>North America Total</b> .....	<b>\$32.69</b>	<b>\$31.40</b>	<b>\$34.21</b>	<b>\$32.77</b>	<b>\$34.01</b>	<b>-3.6</b>
Canada <sup>1</sup> .....	30.95	31.00	33.64	31.39	33.74	-6.9
Jamaica.....	33.62	-	35.69	36.95	36.01	2.6
Mexico.....	39.34	39.22	39.64	39.97	40.48	-1.2
Other <sup>2</sup> .....	42.80	43.64	43.33	43.56	42.14	3.4
<b>South America Total</b> .....	<b>40.95</b>	<b>37.73</b>	<b>36.60</b>	<b>39.11</b>	<b>40.48</b>	<b>-3.4</b>
Argentina.....	43.14	-	37.96	43.14	37.96	13.6
Brazil.....	46.26	43.03	43.92	44.72	43.92	1.8
Chile.....	38.02	35.77	36.32	36.66	36.33	.9
Other <sup>2</sup> .....	44.06	44.92	42.83	41.93	50.67	-17.3
<b>Europe Total</b> .....	<b>36.84</b>	<b>37.05</b>	<b>37.47</b>	<b>37.22</b>	<b>37.77</b>	<b>-1.5</b>
Belgium & Luxembourg.....	41.77	39.10	42.50	40.63	39.57	2.7
Bulgaria.....	-	54.14	-	54.14	-	-
Denmark.....	30.95	32.46	30.17	32.35	32.40	-2
Finland.....	39.50	-	39.10	39.50	39.10	1.0
France.....	-	43.15	38.00	40.22	39.18	2.6
Germany, FR.....	41.58	32.04	46.05	35.19	37.77	-6.8
Ireland.....	41.37	-	-	41.15	39.61	3.9
Italy.....	47.15	45.55	46.42	45.79	45.56	.5
Netherlands.....	37.27	34.45	42.44	36.27	40.60	-10.7
Portugal.....	38.29	41.77	40.83	39.48	40.80	-3.2
Romania.....	-	-	-	-	43.08	-
Spain.....	26.25	23.85	23.55	24.53	23.68	3.6
Sweden.....	53.50	41.38	53.51	42.89	53.51	-19.8
Turkey.....	38.56	44.28	43.82	45.51	43.91	3.6
United Kingdom.....	31.21	31.90	31.86	31.80	33.51	-5.1
Other <sup>2</sup> .....	44.96	37.60	-	37.61	-	-
<b>Asia Total</b> .....	<b>39.91</b>	<b>39.65</b>	<b>38.90</b>	<b>39.63</b>	<b>37.88</b>	<b>4.6</b>
China (Taiwan).....	39.02	39.05	39.60	39.01	39.37	-9
Israel.....	37.65	40.00	-	38.81	37.55	3.3
Japan.....	40.63	39.98	39.63	40.14	38.33	4.7
Korea, Republic of.....	38.67	39.13	35.48	38.92	33.81	15.1
Other <sup>2</sup> .....	44.97	44.50	32.31	42.12	32.73	28.7
<b>Oceania &amp; Australia Total</b> .....	<b>44.79</b>	<b>44.90</b>	<b>43.82</b>	<b>44.83</b>	<b>43.82</b>	<b>2.3</b>
<b>Africa Total</b> .....	<b>36.01</b>	<b>37.45</b>	<b>36.62</b>	<b>37.34</b>	<b>36.66</b>	<b>1.8</b>
Egypt.....	-	-	44.97	44.97	44.97	*
Morocco.....	36.01	37.45	36.59	37.33	36.65	1.9
South Africa, Rep of.....	-	-	-	-	43.84	-
<b>Total</b> <sup>3</sup> .....	<b>36.76</b>	<b>37.15</b>	<b>37.19</b>	<b>37.32</b>	<b>37.22</b>	<b>.3</b>
<b>U.S. Total</b> <sup>4</sup> .....	<b>37.32</b>	<b>37.83</b>	<b>37.76</b>	<b>37.86</b>	<b>37.79</b>	<b>.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 (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.

\* Rounded to zero

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	July - September 1996	April - June 1996	July - September 1995	Year to date		
				1996	1995	Percent Change
<b>North America Total</b> .....	<b>2,429,083</b>	<b>1,417,024</b>	<b>1,604,771</b>	<b>4,195,445</b>	<b>3,068,142</b>	<b>36.7</b>
Canada <sup>1</sup> .....	2,347,077	1,305,018	1,542,364	3,889,787	2,871,149	35.5
Mexico.....	82,006	112,006	62,407	305,658	196,993	55.2
<b>South America Total</b> .....	<b>1,544,348</b>	<b>1,663,671</b>	<b>1,661,656</b>	<b>4,546,244</b>	<b>4,438,972</b>	<b>2.4</b>
Argentina.....	66,065	126,739	—	229,202	180,825	26.8
Brazil.....	1,478,283	1,536,932	1,661,656	4,246,421	4,258,147	-3
Chile.....	—	—	—	70,442	—	—
Other <sup>2</sup> .....	—	—	—	179	—	—
<b>Europe Total</b> .....	<b>5,897,378</b>	<b>6,705,467</b>	<b>6,354,711</b>	<b>19,207,132</b>	<b>18,464,033</b>	<b>4.0</b>
Belgium & Luxembourg.....	600,562	841,359	758,150	2,521,387	2,210,848	14.0
Bulgaria.....	253,654	257,506	204,968	844,951	816,153	3.5
Finland.....	204,845	238,069	166,845	489,466	439,856	11.3
France.....	621,448	717,206	544,596	1,975,340	2,090,893	-5.5
Germany, FR.....	82,429	96,297	28,159	254,011	103,714	144.9
Italy.....	1,002,924	1,185,621	1,091,758	3,633,828	3,180,284	14.3
Netherlands.....	830,633	849,193	965,959	2,766,587	2,772,040	-2
Norway.....	15,477	12,007	19,999	40,754	68,542	-40.5
Portugal.....	66,063	30,392	—	96,455	—	—
Romania.....	395,228	354,538	595,240	1,018,018	1,195,727	-14.9
Spain.....	369,366	505,032	567,089	1,364,904	1,555,545	-12.3
Sweden.....	285,866	129,579	286,688	558,318	661,556	-15.6
Turkey.....	444,748	576,447	449,355	1,357,984	1,228,909	10.5
United Kingdom.....	709,821	897,801	661,992	2,236,017	2,112,379	5.9
Other <sup>2</sup> .....	14,314	14,420	13,913	49,112	27,587	78.0
<b>Asia Total</b> .....	<b>2,029,331</b>	<b>1,545,446</b>	<b>2,268,547</b>	<b>5,896,543</b>	<b>7,852,873</b>	<b>-24.9</b>
China (Taiwan).....	112,487	—	99,795	235,984	216,451	9.0
Israel.....	118,615	—	127,486	118,615	127,486	-7.0
Japan.....	1,271,776	1,026,515	1,481,563	3,803,781	5,735,327	-33.7
Korea, Republic of.....	526,453	508,431	559,703	1,716,801	1,773,609	-3.2
Other <sup>2</sup> .....	—	10,500	—	21,362	—	—
<b>Africa Total</b> .....	<b>789,558</b>	<b>507,331</b>	<b>551,873</b>	<b>1,886,225</b>	<b>1,362,131</b>	<b>38.5</b>
Algeria.....	—	49,892	99,812	104,243	149,773	-30.4
Egypt.....	225,273	230,696	303,150	718,000	733,478	-2.1
Morocco.....	33,184	—	—	33,184	—	—
South Africa, Rep of.....	531,101	226,743	148,911	1,030,798	478,880	115.3
<b>Total</b> .....	<b>12,689,698</b>	<b>11,838,939</b>	<b>12,441,558</b>	<b>35,731,589</b>	<b>35,186,151</b>	<b>1.6</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	July - September 1996	April - June 1996	July - September 1995	Year to date		
				1996	1995	Percent Change
<b>North America Total</b> .....	<b>\$39.83</b>	<b>\$41.35</b>	<b>\$41.99</b>	<b>\$40.64</b>	<b>\$41.34</b>	<b>-1.7</b>
Canada <sup>1</sup> .....	39.45	40.33	41.72	39.79	40.71	-2.3
Mexico.....	51.97	53.26	48.84	51.81	50.52	2.5
<b>South America Total</b> .....	<b>49.61</b>	<b>49.33</b>	<b>49.28</b>	<b>49.12</b>	<b>47.99</b>	<b>2.3</b>
Argentina.....	-	51.94	-	50.27	48.89	2.8
Brazil.....	49.61	49.23	49.28	49.36	47.96	2.9
Chile.....	-	-	-	33.36	-	-
Other <sup>2</sup> .....	-	-	-	55.87	-	-
<b>Europe Total</b> .....	<b>53.36</b>	<b>52.42</b>	<b>51.64</b>	<b>52.58</b>	<b>50.40</b>	<b>4.3</b>
Belgium & Luxembourg.....	53.48	53.38	52.10	53.43	50.46	5.9
Bulgaria.....	48.46	48.27	48.66	47.51	48.24	-1.5
Finland.....	48.24	48.94	49.67	48.73	46.76	4.2
France.....	52.44	51.80	50.28	51.60	49.63	4.0
Germany, FR.....	53.46	53.83	52.60	53.45	51.00	4.8
Italy.....	54.51	51.76	52.23	52.45	50.94	3.0
Netherlands.....	53.42	52.98	52.44	52.79	50.89	3.7
Norway.....	64.76	63.92	62.04	64.04	62.04	3.2
Portugal.....	49.50	51.20	-	50.04	-	-
Romania.....	57.28	50.63	46.83	53.12	48.11	10.4
Spain.....	56.05	55.93	54.96	55.85	53.51	4.4
Sweden.....	53.71	53.10	53.18	53.41	51.98	2.8
Turkey.....	49.95	49.89	49.73	49.94	47.27	5.7
United Kingdom.....	54.12	54.38	53.25	53.99	51.36	5.1
Other <sup>2</sup> .....	63.93	63.51	61.87	63.31	61.86	2.3
<b>Asia Total</b> .....	<b>47.92</b>	<b>47.79</b>	<b>48.74</b>	<b>48.39</b>	<b>46.29</b>	<b>4.5</b>
China (Taiwan).....	50.44	-	49.16	50.55	47.89	5.5
Israel.....	45.10	-	45.10	45.10	45.10	*
Japan.....	46.18	45.16	47.69	46.60	45.03	3.5
Korea, Republic of.....	52.20	52.74	52.26	52.19	50.29	3.8
Other <sup>2</sup> .....	-	65.43	-	65.43	-	-
<b>Africa Total</b> .....	<b>54.76</b>	<b>57.47</b>	<b>55.69</b>	<b>56.14</b>	<b>53.21</b>	<b>5.5</b>
Algeria.....	-	53.52	52.95	54.78	51.99	5.4
Egypt.....	57.21	61.45	57.42	59.39	54.72	8.5
Morocco.....	33.40	-	-	33.40	-	-
South Africa, Rep of.....	55.06	54.30	54.01	54.75	51.28	6.8
<b>Total</b> <sup>3</sup> .....	<b>49.53</b>	<b>50.28</b>	<b>49.73</b>	<b>50.24</b>	<b>48.49</b>	<b>3.6</b>
<b>U.S. Total</b> <sup>4</sup> .....	<b>49.69</b>	<b>50.41</b>	<b>49.77</b>	<b>50.35</b>	<b>48.55</b>	<b>3.7</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 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.

\* Rounded to zero

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	July - September 1996	April - June 1996	July - September 1995	Year to date		
				1996	1995	Percent Change
<b>North America Total</b> .....	<b>327,389</b>	<b>299,908</b>	<b>347,125</b>	<b>958,310</b>	<b>890,841</b>	<b>7.6</b>
Canada.....	325,776	299,908	347,125	956,319	868,328	10.1
Mexico.....	1,613	-	-	1,991	145	( <sup>1</sup> )
Netherlands Antilles.....	-	-	-	-	22,368	-
<b>South America Total</b> .....	<b>1,101,824</b>	<b>832,800</b>	<b>915,405</b>	<b>2,862,645</b>	<b>2,926,997</b>	<b>-2.2</b>
Colombia.....	729,343	500,294	638,818	1,800,168	1,760,299	2.3
Venezuela.....	372,481	332,506	276,587	1,062,477	1,166,698	-8.9
<b>Europe Total</b> .....	<b>1,803</b>	<b>171</b>	<b>130</b>	<b>1,974</b>	<b>344</b>	<b>473.8</b>
Belgium & Luxembourg.....	1,793	81	-	1,874	-	-
Denmark.....	-	-	-	-	214	-
Spain.....	-	90	-	90	-	-
Turkey.....	10	-	-	10	-	-
United Kingdom.....	-	-	130	-	130	-
<b>Asia Total</b> .....	<b>425,736</b>	<b>275,305</b>	<b>257,333</b>	<b>925,709</b>	<b>646,840</b>	<b>43.1</b>
China (Mainland).....	-	-	48	-	48	-
Hong Kong.....	1	-	-	1	-	-
Indonesia.....	425,735	275,305	257,285	925,708	646,768	43.1
Japan.....	-	-	-	-	24	-
<b>Oceania &amp; Australia Total</b> .....	<b>21,632</b>	<b>-</b>	<b>45,166</b>	<b>92,249</b>	<b>188,862</b>	<b>-51.2</b>
Australia.....	21,632	-	45,166	92,249	150,362	-38.6
New Zealand.....	-	-	-	-	38,500	-
<b>Total</b> .....	<b>1,878,384</b>	<b>1,408,184</b>	<b>1,565,159</b>	<b>4,840,887</b>	<b>4,653,884</b>	<b>4.0</b>

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

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	July - September 1996	April - June 1996	July - September 1995	Year to date		
				1996	1995	Percent Change
<b>North America Total</b> .....	<b>\$40.23</b>	<b>\$38.11</b>	<b>\$39.43</b>	<b>\$37.78</b>	<b>\$38.50</b>	<b>-1.9</b>
Canada.....	40.25	38.11	39.43	37.78	38.50	-1.9
Mexico.....	37.38	-	-	34.96	-	-
<b>South America Total</b> .....	<b>34.26</b>	<b>32.71</b>	<b>35.21</b>	<b>34.19</b>	<b>35.70</b>	<b>-4.2</b>
Colombia.....	34.77	33.89	33.34	34.39	33.78	1.8
Venezuela.....	33.28	30.94	39.52	33.86	38.61	-12.3
<b>Europe Total</b> .....	<b>-</b>	<b>-</b>	<b>28.27</b>	<b>-</b>	<b>28.27</b>	<b>-</b>
United Kingdom.....	-	-	28.27	-	28.27	-
<b>Asia Total</b> .....	<b>32.93</b>	<b>36.19</b>	<b>39.17</b>	<b>36.35</b>	<b>39.59</b>	<b>-8.2</b>
Indonesia.....	32.93	36.19	39.17	36.35	39.59	-8.2
<b>Oceania &amp; Australia Total</b> .....	<b>35.83</b>	<b>-</b>	<b>34.58</b>	<b>36.95</b>	<b>37.34</b>	<b>-1.0</b>
Australia.....	35.83	-	34.58	36.95	33.80	9.3
New Zealand.....	-	-	-	-	51.17	-
<b>Total</b> <sup>1</sup> .....	<b>34.78</b>	<b>34.38</b>	<b>36.76</b>	<b>35.29</b>	<b>36.83</b>	<b>-4.2</b>
<b>U.S. Total</b> <sup>2</sup> .....	<b>36.59</b>	<b>35.78</b>	<b>37.04</b>	<b>36.47</b>	<b>37.43</b>	<b>-2.6</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 one 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 represent only 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 the Mine Safety and Health Administration (MSHA). The respondents on this survey are compared with those on 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 by 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 one 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 one 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 by 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 for deriving data.

## 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 are prorated as noted above and reported as final in the report *Coal Industry Annual* in the summer following the year of the data.

**Other Industrial Plants.** Respondents (manufacturing plants only) are asked to report on Form EIA-3 the number of tons of coal received 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 by 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's 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 is 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 by 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 by 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 by 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 by 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 are 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 *Quarterly Coal Report*.

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 on the basis of 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.

## 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 1990 through 1996.

The following methodology was used to derive the heat content of coals as presented in Table C2:

***Anthracite, Total Consumption.*** Calculated annually by the Energy Information Administration (EIA) by dividing the sum of the heat content of anthracite consumed by electric utilities and all other sectors combined by the total quantity of anthracite consumed.

***Anthracite, Consumption by Electric Utilities.*** Calculated annually by EIA by dividing the heat content of anthracite receipts at electric utilities by the quantity of anthracite received at electric utilities. Heat contents and receipts are from Form FERC-423 and predecessor forms.

***Anthracite, Consumption by Sectors Other Than Electric Utilities.*** Calculated annually by EIA by dividing the heat content of anthracite production less the heat content of the anthracite consumed at electric utilities, net exports, and shipments to U.S. Armed Forces overseas by the quantity of anthracite consumed by sectors other than electric utilities less the quantity of anthracite stock changes, losses, and "unaccounted for."

***Anthracite, Imports and Exports.*** EIA assumed the anthracite imports and exports to be freshly mined anthracite having an estimated heat content of 25.40 million Btu per short ton.

***Anthracite, Production.*** Calculated annually by EIA by dividing the sum of the heat content of freshly mined anthracite (estimated to have an average heat content of 25.400 million Btu per short ton) and the heat content of anthracite recovered from culm banks and river dredging (estimated to have a heat content of 17.500 million Btu per short ton) by the total quantity of anthracite production.

***Bituminous Coal and Lignite, Total Consumption.*** Calculated annually by EIA by dividing the sum of the heat content of bituminous coal and lignite consumed by electric utilities, coal coke plants, other industrial plants, the residential and commercial sector, and the transportation sector by the sum of their respective tonnages.

***Bituminous Coal and Lignite, Consumption by Coke Plants.*** Estimated by EIA to be 26.800 million Btu per

short ton on the basis of an input/output analysis of coal carbonization.

***Bituminous Coal and Lignite, Consumption by Electric Utilities.*** Calculated annually by EIA by dividing the total heat content of bituminous coal and lignite received at electric utilities by the total quantity received at electric utilities. Heat contents and receipts are from Form FERC-423 and predecessor forms.

***Bituminous Coal and Lignite, Consumption by Other Industrial and Transportation Users.*** 1973: Calculated by EIA through regression analysis measuring the difference between the average Btu value of coal consumed by other industrial users and that of coal consumed at electric utilities in the 1974-1982 period. 1974 forward: Calculated annually by EIA by assuming that the bituminous coal and lignite delivered to other industrial users from each coal-producing area (reported on Form EIA-6 and predecessor Bureau of Mines Form 6-1419-Q) contained a heat value equal to that of bituminous coal and lignite received at electric utilities from each of the same coal-producing areas (reported on Form FERC-423). The average Btu value of coal by coal-producing area was applied to the volume of deliveries to other industrial users from each coal-producing area, and the sum total of the heat content was divided by the total volume of deliveries. Coal-producing areas are the Bureau of Mines coal-producing districts for 1974 through 1989 and coal-producing States for 1990 forward.

***Bituminous Coal and Lignite, Consumption by Residential and Commercial Users.*** 1973: Calculated by EIA through regression analysis measuring the difference between the average Btu value of coal consumed by residential and commercial users and that of coal consumed by electric utilities in the 1974-1982 period. 1974 forward: Calculated annually by EIA by assuming that the bituminous coal and lignite delivered to residential and commercial users from each coal-producing area (reported on Form EIA-6 and predecessor Bureau of Mines Form 6-1419-Q) contained a heat value equal to that of bituminous coal and lignite received at electric utilities from each of the same coal-producing areas (reported on Form FERC-423). The average Btu value of coal by coal-producing area was applied to the volume of deliveries to residential and commercial users from each coal-producing area, and the total of the heat value was divided by the total volume of deliveries. Coal-producing areas are the Bureau of Mines coal-producing districts for 1974 through 1989 and coal-producing States for 1990 forward.

***Bituminous Coal and Lignite, Exports.*** Calculated annually by EIA by dividing the sum of the heat content of exported metallurgical coal (estimated to average 27.000 million Btu per short ton) and the heat content of exported steam coal (estimated to have an average thermal content of 25.000 million Btu per short ton) by the total quantity of bituminous coal and lignite exported.

**Bituminous Coal and Lignite, Imports.** EIA estimated the average thermal conversion factor to the 25.000 million Btu per short ton.

**Bituminous Coal and Lignite, Production.** Calculated annually by EIA dividing the sum of the heat content of bituminous coal and lignite consumption, net exports, stock changes, and unaccounted for by the sum of their respective tonnages. Consumers' stock changes by sectors were assumed to have the same conversion factor as that of the consumption sector. Producers' stocks changes and unaccounted for were assumed to have the same conversion factor as that for consumption by all sectors.

**Coal, Consumption.** Calculated annually by EIA by dividing the sum of the heat content of bituminous coal and lignite and anthracite consumption by the sum of their respective tonnages.

**Coal, Consumption by Electric Utilities.** Calculated annually by EIA by dividing the sum of the heat content of bituminous coal and lignite and anthracite received at electric utilities by the sum of their respective tonnages received.

**Coal, Consumption by Sectors Other Than Electric Utilities.** Calculated annually by EIA by dividing the sum of the heat content of bituminous coal and lignite and anthracite consumed by sectors other than electric utilities by the sum of their respective tonnages.

**Coal, Exports.** Calculated annually by EIA by dividing the sum of the heat content of bituminous coal and lignite and anthracite exported by the sum of their respective tonnages.

**Coal, Imports.** Calculated annually by EIA by dividing the sum of the heat content of bituminous coal and lignite and anthracite imported by the sum of their respective tonnages.

**Coal, Production** Calculated annually by EIA by dividing the sum of the total heat content of bituminous coal and lignite and anthracite production by the sum of their respective tonnages.

**Coal Coke, Imports and Exports.** EIA adopted the Bureau of Mines estimate of 24.800 million Btu per short ton.

**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	1,267
<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	1.23
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	94
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 the *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."

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

Coal Rank Sector	1990	1991	1992	1993	1994	1995	1996
<b>Anthracite</b>							
Production.....	23.574	22.573	22.572	22.573	22.572	22.572	22.573
Consumption.....	21.668	21.410	21.423	21.262	20.828	20.808	20.860
Non-electric utility users.....	25.199	25.268	24.617	24.096	25.037	24.696	24.872
Electric utilities.....	16.140	15.858	16.944	16.534	14.680	14.572	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.....	21.819	21.678	21.643	21.383	21.347	21.271	21.272
Consumption.....	21.330	21.146	21.142	20.983	21.011	20.845	20.852
Residential and commercial.....	22.678	22.635	22.768	22.749	22.683	22.767	22.785
Coke plants.....	26.800	26.800	26.800	26.800	26.800	26.800	26.800
Other industrial and transportation.....	22.444	22.448	22.242	22.111	22.046	21.931	21.887
Electric utilities.....	20.935	20.761	20.792	20.644	20.681	20.502	20.509
Imports.....	25.000	25.000	25.000	25.000	25.000	25.000	25.000
Exports.....	26.207	26.192	26.165	26.341	26.335	26.187	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 1995 and previous years are final. Values for 1996 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 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

Btu/lb.

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.

	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.

**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, Wetzell, 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.

**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 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.

**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).