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Quarterly Coal Report

April-June 1995

DOE/EIA-0121(95/2Q)

November 1995

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Cover Photo: *Coal found growing markets as fuel for steam-generated electricity in the 1980's. Today, the coal industry has become the Nation's largest energy-producing industry, representing nearly one-third of U.S. energy production. Coal accounts for almost one-fourth of the energy consumed in the United States and is the only U.S. energy source for which exports are greater than imports. U.S. coal production for 1994 totaled 1 billion short tons.*

We thank the following for the use of their photographs in this report:

Pittsburg & Midway Coal Company; Sun Company, Inc.; Port of Baltimore; Port of Los Angeles; American Iron and Steel Institute; National Mining Association; CSX; and Norfolk & Western Railway Company.

The *Quarterly Coal Report* (ISSN 0736-4598) is published quarterly by the Energy Information Administration, 1000 Independence Avenue, SW, Washington, DC 20585, and sells for \$26.00 per year (price subject to change without advance notice). Second-class postage paid at Washington, DC 20066-9998, and additional mailing offices. POSTMASTER: Send address changes to *Quarterly Coal Report*, Energy Information Administration, EI-231, 1000 Independence Avenue, SW, Washington, DC 20585.

Released for Printing: November 14, 1995

Printed with soy ink on recycled paper

Quarterly Coal Report April-June 1995

November 1995

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

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For inquiries about energy data, please contact the National Energy Information Center on (202) 586-8800 (Internet: infoctr@eia.doe.gov).

Preface

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

This report presents detailed quarterly data for April through June 1995 and aggregated quarterly historical data for 1987 through the first quarter of 1995. Appendix A displays, from 1987 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 1994 DOE/EIA-0384(94); *Monthly Energy Review* DOE/EIA-0035; and *Coal Data : A Reference* DOE/EIA-0064(93) .

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

consumption at coke plants), one annual coal production survey, and two monthly surveys of electric utilities. The coal surveys originated in the 1920's, at the Bureau of Mines, U.S. Department of the Interior. In 1977, the responsibility for these surveys was transferred to the EIA under the Department of Energy Organization Act (Public Law 95-91). The two electric utility surveys originated at the Federal Power Commission (FPC); one in 1936 under the Federal Power Act and one in 1972 under FPC Order Number 453. The EIA continued these surveys, reducing the frequency and quantity of information requested and increasing the automation of the associated data processing and report generation functions. Coal export and import data are obtained from the Bureau of the Census, U.S. Department of Commerce, which compiles monthly data from documents filed with the U.S. Customs Service, as required by law.

All data shown for 1994 and previous years are final. Data for 1995 are preliminary.

A description of the revision policy for the data in this report can be found in Appendix C, Explanatory Notes, Section 12. Revisions. Table C1 presents the mean absolute value of change for 1993 and 1994 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 Highlights

In the second quarter of 1995, the United States produced 248 million short tons of coal. This brought the total for the first half of 1995 to 514 million short tons, about the same as output in the first half of 1994.

Although there was not much change at the National level for the first half of 1995 versus 1994, there were significant variations in coal production in the Western and Interior Regions. Coal production in the Western Region rose 14 million short tons, primarily due to a 16-million-short-ton increase in output in Wyoming, which partially offset small declines in other coal-producing States in the region. Lower coal production levels in Texas, Illinois, Western Kentucky, and Indiana accounted for most of the 11 million-short-ton decline in the Interior Region.

Distribution of U.S. coal during the second quarter of 1995 totaled 249 million short tons, bringing the total amount of coal distributed during the first half of the year to 506 million short tons, up 1 percent compared with the same period in 1994. Year-to-date coal distribution to domestic markets declined 1 percent, while foreign distribution rose 27.5 percent.

U.S. coal exports during the second quarter of 1995 amounted to 23 million short tons, bringing year-to-date coal exports to 42 million short tons, 9 million short tons higher (29 percent) than in the same period in 1994. Year-to-date 1995 exports of steam coal rose 82 percent to 17 million short tons, and metallurgical coal exports rose 7 percent to 25 million short tons.

Leading the year-to-date increase in steam coal exports was the 6-million-short-ton rise (134 percent) in shipments to Europe, particularly to Italy, the Netherlands, Denmark, and Germany. Canada and Japan each accounted for one million short tons more of U.S. coal exports. The 2-million-short-ton increase in metallurgical coal exports was primarily due to higher shipments to Japan and Romania.

The average price of U.S. coal exports during the second quarter of 1995 was \$39.59 per short ton, 1 percent below the average price of \$39.90 per short ton reported for the preceding quarter. Compared with the first quarter of 1995, the average price of steam coal exports dropped 2 percent to \$34.02 per short ton, while the average price of metallurgical coal exports went up 1 percent to \$43.69 per short ton.

U.S. coal imports during the second quarter of 1995 totaled 1.6 million short tons, up 2 percent compared with the second quarter of 1994. Even though year-to-date coal imports remained about the same as in the

first half of 1994, shipments from Colombia dropped 30 percent, while shipments from Venezuela and Australia rose 90 percent.

The average price of coal imported during the second quarter of 1995 was \$36.16 per short ton, 12 percent above the average price of \$32.33 per short ton reported for the preceding quarter and the highest quarterly average price since the third quarter of 1986. The 1995 year-to-date average price for coal imports was \$34.14, up 19 percent from the average price of \$28.80 reported for the same period in 1994.

The amount of coal received by domestic consumers during the second quarter of 1995 totaled 225.4 million short tons, 4.7 percent less than the 236.6 million short tons received during the second quarter of 1994. Domestic coal receipts during the first half of 1995 totaled 457.9 million short tons, 1.3 percent less than total receipts of 463.9 million short tons during the first half of 1994.

Compared with the first half of 1994, year-to-date 1995 electric utility coal receipts declined 1.1 percent to 403.9 million short tons, while coal receipts at coke plant rose 4.2 percent to 16.5 million short tons. Coal receipts at other industrial plants dropped 4.3 percent to 34.8 million short tons.

The average price of coal received by electric utilities during the second quarter of 1995 was \$27.45 per short ton, slightly higher than the average price of \$27.34 per short ton reported for the preceding quarter. Compared with the first quarter of 1995, the average price of coal received at coke plants during the second quarter of 1995 rose 0.8 percent to \$47.57 per short ton, while the average price of coal delivered to other industrial plants remained virtually constant at \$32.47 per short tons.

Domestic coal consumption during the second quarter of 1995 totaled 217.3 million short tons, 4.6 percent below consumption of 227.8 million short tons during the preceding quarter, and 2.6 percent below consumption of 223.1 million short tons during the second quarter of 1994.

The amount of coal consumed by the Nation's electric utilities during the second quarter of 1995 totaled 191.1 million short tons, 2.6 percent below consumption of 196.3 million short tons during the second quarter of 1994. In the first half of 1995, electric utility coal consumption totaled 390.1 million short tons, 3.5 percent less than the 404.2 million short tons consumed by electric utilities during the same period in 1994.

Regionally, compared with 1994, year-to-date electric utility coal consumption in the East North Central division declined 2.2 percent to 89.8 million short tons as nuclear units in Illinois, Michigan, and Ohio claimed sharply increased shares of the division's total electricity generation. Similarly, in the West South Central division, year-to-date electric utility coal consumption dropped 10.4 percent to 60.0 million short tons in response to increased generation from nuclear units in Louisiana and Texas.

In the Mountain division, electric utility coal consumption during the first half of 1995 dropped 3.8 million short tons (7.5 percent) to 47.6 million short tons, reflecting the effects of lower electricity demand in the region coupled with increased nuclear generation in Arizona. By comparison, in the West North Central division, year-to-date electric utility coal consumption rose 4.6 percent to 56.3 million short tons as coal-fired generation replaced generation from nuclear units in Iowa, Nebraska, and North Dakota.

Compared with 1994, coal consumption at U.S. coke plants during the first half of 1995 rose 4.5 percent to

16.4 million short tons while year-to-date consumption at other industrial plants and residential/commercial facilities declined 4.6 percent and 16.6 percent, respectively.

Stocks of coal held by coal producers and distributors at the end of the second quarter 1995 totaled 42.1 million short tons, slightly less than the 42.3 million short tons held at the close of the previous quarter. Coal stocks held by all domestic consumers rose 5.9 percent to 151.8 million short tons. Electric utility coal stocks, which typically account for more than 90 percent of total consumer coal stocks, rose 6.1 percent to 143.6 million short tons. Coal stocks at coke plants declined 3.5 percent to 2.6 million short tons while coal stocks at other industrial plants rose 3.5 percent to 5.6 million short tons.

Sources: Energy Information Administration, *Electric Power Monthly*, September 1995, DOE/EIA-0226(95/09); *Monthly Energy Review*, September 1995, DOE/EIA-0035(95/09).

Figure 1. Quarterly U.S. Coal Production, Imports, Consumption, Exports, and Stocks, 1987-1995

Note: Each increment represents end-of-quarter data.
 Sources, Production: Energy Information Administration (EIA), Form EIA-6, "Coal Distribution 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: EIA, 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-5, "Coke Plant Report - Quarterly;" and Form EIA-6, "Coal Distribution Report."

Table 1. U.S. Coal Production, Imports, Consumption, Exports, and Stocks, 1987-1995
(Thousand Short Tons)

Year and Quarter	Production	Imports	Producer and Distributor Stocks ¹	Consumption	Exports	Consumer Stocks ¹	Losses and Unaccounted For ²
1987							
January - March	222,199	331	36,560	199,523	16,576	173,173	4,017
April - June	218,823	483	33,939	199,627	20,113	176,037	-677
July - September	232,958	475	28,775	229,397	21,033	165,598	-1,395
October - December	244,782	459	28,321	208,394	21,885	185,459	-4,445
Total	918,762	1,747		836,941	79,607		-2,499
1988							
January - March	236,889	542	36,764	220,787	16,061	175,279	2,320
April - June	226,645	587	36,079	205,735	24,900	173,308	-746
July - September	241,622	437	31,360	238,672	27,691	154,331	-607
October - December	245,109	567	30,418	218,448	26,371	158,413	-2,283
Total	950,265	2,134		883,642	95,023		-1,316
1989							
January - March	247,179	531	35,508	223,486	21,429	149,238	6,882
April - June	239,022	687	30,598	208,025	28,445	159,013	-1,628
July - September	243,060	925	28,848	232,026	23,991	147,165	1,566
October - December	251,468	708	29,000	226,163	26,949	146,087	-9
Total	980,729	2,851		889,699	100,815		6,811
1990							
January - March	264,184	735	35,099	217,014	22,383	160,782	4,727
April - June	254,279	674	36,895	211,666	27,733	173,081	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
Total	1,029,076	2,699		895,480	105,804		3,949
1991							
January - March	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
Total	995,984	3,390		887,621	108,969		3,731
1992							
January - March	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
Total	997,545	3,803		892,421	102,516		9,407
1993							
January - March	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
Total	945,424	7,309		925,944	74,519		4,213
1994							
January - March	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
Total	1,033,504	7,584		930,201	71,359		15,912
1995							
January - March	265,262	1,795	42,340	227,804	18,988	143,456	3,828
April - June	248,496	1,609	42,097	217,339	23,184	151,833	1,449
Total	513,758	3,405		445,143	42,172		5,277

¹ Reported as of the last day of the quarter.

² 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 1995 exclude an EIA estimated 4 million short tons per quarter which are consumed by independent power producers to generate electricity and cogeneration plants not included in the other industrial, coke, and commercial sectors. In 1989, 1990, 1991, 1992, 1993, and 1994 these excluded quarterly estimated consumption data were: 219, 400, 1500, 2500, 3086, and 3785 thousand short tons, respectively. Total may not equal sum of components because of independent rounding. See Technical Note 1 for differences between production and distribution.

Sources: • Production: Energy Information Administration (EIA), Form EIA-6, "Coal Distribution 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" • 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"; and Form EIA-6, "Coal Distribution Report."

Figure 2. U.S. Coke Production, Imports, Consumption, Exports, and Stocks, 1987-1995

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, 1987-1995
(Thousand Short Tons)

Year and Quarter	Production	Imports	Producer and Distributor Stocks ¹	Consumption ²	Exports
1987 January - March	5,719	80	1,853	5,863	149
April - June	6,661	209	1,546	7,063	113
July - September	6,886	342	1,436	7,187	151
October - December	7,038	291	1,064	7,540	161
Total	26,304	922		27,654	574
1988 January - March	7,103	606	956	7,643	174
April - June	7,288	630	1,140	7,400	335
July - September	7,274	746	1,271	7,672	216
October - December	7,279	706	1,583	7,305	368
Total	28,945	2,688		30,021	1,093
1989 January - March	7,063	687	1,167	7,992	173
April - June	7,134	929	1,264	7,708	259
July - September	6,870	546	1,763	6,684	234
October - December	6,978	149	1,919	6,551	420
Total	28,045	2,311		28,935	1,085
1990 January - March	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
Total	27,617	765		27,811	572
1991 January - March	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
Total	24,046	1,099		24,216	740
1992 January - March	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
Total	23,410	1,739		24,731	642
1993 January - March	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
Total	23,182	1,534		24,303	835
1994 January - March	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
Total	22,686	1,612		24,163	660
1995 January - March	5,785	484	832	6,239	135
April - June	5,955	447	1,143	5,969	187
Total	11,741	931		12,208	323

¹ Reported as of the last day of the quarter.

² 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

EIA proposes Revising and Extending Coal Data Collection. The Energy Information Administration (EIA) published a notice in *Federal Register* on September 12, 1995, soliciting comments on proposed changes in its coal data collection.¹ The notice describes two options for modifying EIA's coal forms; both options delete some data items and reduce the frequency of collection. EIA's objective in proposing the options is to reduce respondent reporting burden and survey operating costs, without degrading the accuracy and coverage of EIA's coal data. The notice also includes two questions aimed at EIA's efforts to improve its electronic data collection methods (via FAX, Internet, or other electronic reporting capabilities). Comments on the options are due to EIA by November 12, 1995.

DOE Selects Teams for Coal Projects. The U.S. Department of Energy (DOE) announced on June 30, the selection of two industry teams to develop the engineering base needed to build ultra-clean, high-efficiency coal-fired power plants. The teams, Foster Wheeler Development Corp. of Livingston, NJ, and United Technologies Research Center, East Hartford, CT, were chosen to work on the next stage of development of the so-called High Performance Power Systems (HIPPS). The teams will compete against each other over the next 4.5 years to come up with the engineering basis for concepts developed in a earlier phase of the research project. The teams will also generate technical and economic data for the design of a prototype plant, which could be built by one of them if funding is available.

A HIPPS plant burns coal in a furnace separated from the power-generating equipment to heat air that is used to drive a high-efficiency gas turbine. The air cycle keeps impurities released from the coal from contacting and damaging the turbine. A second source of electricity comes from heat recovered from the turbine exhaust and from the furnace itself. The heat is used to drive a more conventional steam-turbine generator. According to DOE, the system could boost a power plant's efficiency to more than 50 percent, a level well above the current 33 to 35 percent of today's coal-fired plants. The system is also environmentally clean and should produce electric power at a cost 10 percent below the costs of today's coal-burning plants with environmental controls.²

Acid Rain Program Phase I a Success. Industry and Government analysts, environmentalists, and allowance traders agree that Phase I of the Acid Rain Program is a success. Despite regulatory delays and ambiguous legislation, the cost of emission reductions is now expected to total less than \$2 billion instead of the \$4 billion originally estimated. Also SO₂ emissions will be reduced by 10 million tons, a 40-percent greater reduction than the law requires. The key to this success is the allowance cap on emissions according to the Director of the Environmental Protection Agency's Acid Rain Division. While trading of allowances may have been slow to develop, it is estimated that 2.1 million allowances have been exchanged, most within utility operating systems.³

According to the Emission Allowance Trading Index September survey, the price of Phase I and Phase II allowances dropped slightly in September, with a year-1995 allowance at \$128 per ton and a year-2000 median allowance at \$170. Demand for both allowances slowed during the month, but some Phase I buyers are expected to enter the market soon to take advantage of lower prices.⁴

EPRI Forms Repowering Group. The Electric Power Research Institute (EPRI) is forming a group, the Repowering Users Group (REPO), to explore innovative and less costly options for repowering fossil fuel-fired plants. Repowering entails updating existing power plants with new technology and often involves a change in fuel. Repowering will become increasingly important as a way of turning unused or under-used electric utility plants into profitable entities, says EPRI. It can cost 20 to 40 percent less than the cost of building a new plant, it can increase capacity and improve heat rate, and it can reduce emissions. An advantage of repowering an existing plant is that its permits, equipment, and other resources are already in place.

REPO currently provides services such as market analysis and legal support. Additional services will be available during the fourth quarter of 1995, when the group's software package, State Of The Art Power Plant workstation becomes available. This software will enable utilities to view multiple repowering options on their computer screens, and to perform conceptual designs.⁵

¹ *Federal Register*, (Vol. 60, No. 178, September 12, 1995), pp. 47357 - 47360.

² "Foster Wheeler, United Technologies Teams Picked For Coal Projects," *Inside Energy/With Federal Lands*, July 10, 1995, p. 6.

³ "Lessons Learned From Phase I Compliance," *Clean Air Compliance Review*, (July 31, 1995), p. 7.

⁴ "EATX September Prices Slip \$2/Ton," *Clean Air Compliance Review*, (September 25, 1995), p. 4.

⁵ "EPRI Seeks Members For Repowering Group," *Clean Air Compliance Review*, (June 19, 1995), p. 3.

Dayton Power and Light Finds Low-Sulfur Coal Cheaper than Scrubbing. Dayton Power and Light, in a new report filed with the Public Utilities Commission of Ohio, updated its plan for complying with Phase II of the Clean Air Act Amendments, which starts in 2000. The report found that switching to low-sulfur coal is more cost-effective than using scrubbers. The company plans to use low-sulfur eastern coals in its 17 coal-fired units, at least for the early part of Phase II; it does not plan to use western coal unless its price becomes more advantageous.⁶

Southern Co. Plans to Buy U.K. Utility. Southern Company announced its plan to expand into the British utility market. The U.K. privatized its electric utility industry in 1990. One of the resulting 12 regional electricity companies, South Western, is already partly owned (12 percent) by Southern Electric International, Inc. (SEI). SEI now wants to buy over 50 percent of South Western's shares. In the last 3 years, SEI has acquired interests in utilities in Chile, Argentina, Trinidad and Tobago, and in the Bahamas.⁷

AEP Prepares for Competitive Markets. American Electric Power reorganized itself into five regional groups to prepare for the transition from monopoly to marketplace competition. While generating power will remain its main business, it is also getting ready for the unbundling that may result from Federal Energy Regulatory Commission actions. The unbundling may force the generation, transmission, and sale of power to become separate businesses. The five regional groups are designed to be part of a single-company identity for its seven operating subsidiaries. The realignment is designed to ease AEP's conversion if the electric utility industry of the future is characterized by less integration, and would make it easier for the subsidiaries in their interconnections with the more than two dozen other investor-owned utilities.⁸

Western Rail Merger Update. Union Pacific Rail Co. (UP) and Southern Pacific Rail Corp. (SP) announced on September 25, 1995, they will share or sell thousands of miles of track to the soon-to-be-merged Burlington Northern-Santa Fe Corporation. The sale will provide Burlington Northern-Santa Fe Corporation with new routes that will stretch from Oregon to California and Houston to New Orleans and promote competition. If the Interstate Commerce Commission approves a Union-Pacific-Southern Pacific merger, railroading in the western United States would be under the control of two huge rail systems. However, there would still be competition in almost every market west of the Mississippi River.⁹

New Ceramics Technology for Coal-Fired Plants. Hague International, a small engineering company in Kennebunk, Maine, says its new ceramic technology for burning coal can produce 20 percent more electricity per pound of coal than conventional steam-fired technology. This will both sharply lower the cost of power and reduce pollution. Hague International heads a consortium of 20 industrial and utility companies, together with the U.S. Department of Energy, that have sponsored tests of the ceramic air heater technology. DOE's energy technology center in Morgantown, WV, financed recent demonstrations of the technology at the pilot test site in Kennebunk.

Hague's key innovation is a ceramic "heat exchanger," or air heater, that can perform at extremely high temperatures and not corrode the gas turbines. Tests have shown that the ceramic heater can be operated at temperatures averaging 1,200 degrees Fahrenheit using pulverized bituminous coal. The company plans to test the method soon at temperatures several hundred degrees higher. At its current stage of development, the new technology would save about \$5 million per year in generating costs if installed in a new coal-fired, 150-megawatt power plant. The technology could be used to rejuvenate more than 280 aging power plants across the United States, making them generate electricity more efficiently and reducing their carbon dioxide emissions by as much as 40 percent.¹⁰

Entech Seeking to Sell Two Properties. Entech wants to refocus its coal business. Still committed to operations such as the Rosebud and Jewett mines that serve adjacent power plants, Entech plans to consider offers for the Golden Eagle mine in Colorado, its small Grass Creek mine in Wyoming, and the Rocky Butte reserves also in Wyoming. Although Rocky Butte has 608 million tons of reserves, the coal is in the lower range of heat value for Powder River Basin coal, so there have been few contracts for the coal. The Bureau of Land Management declared the tract to be a "Logical Mining Unit." This designation allows any owner until 2003 to develop the reserves.¹¹

Coal Still a Big Contributor to West Virginia Economy. According to a 1994 annual report of the West Virginia Bureau of Employment Programs, the coal payroll ranks third in the State (after health and local government, which includes education). More than \$1,073 million in wages were earned in the coal industry alone. With the addition of the payrolls in coal-related industries, it is obvious that coal remains a dominant influence in the West Virginia economy.¹²

⁶ "Switching Cheaper Than Scrubbing For Dayton P&L," *Supplement to Coal Outlook* (September 4, 1995), p. 1.

⁷ "Southern Co.s' British Bid Kicks Off Expansion Abroad," *National Coal Leader*, (September 1995), pp. 1, 7.

⁸ "AEP Begins Turn Toward Competitive Marketplace," *National Coal Leader*, (September 1995), pp. 1, 7.

⁹ "Western Rail Giants to Share, Sell Track," *Washington Post*, (September 26, 1995), p. F1.

¹⁰ "New Process May Give Coal-Fired Electric Plants A Lift," *Washington Post*, (September 6, 1995), p. G1.

¹¹ "Entech Seeks Offers For Two Properties," *Coal Outlook*, (September 4, 1995), p. 1.

¹² "Coal Payrolls Are A Major Part Of W.Va Economy," *The Coal Journal*, (August 1995), pp. 10, 20.

Production

After the topsoil and overburden are removed, a loading shovel scoops coal from a seam averaging 55 feet in thickness at the Cordero mine in Wyoming's Powder River Basin.

Figure 3. U.S. Quarterly Coal Production, 1987-1995

Note: Each increment represents end-of-quarter data.
 Sources: Energy Information Administration (EIA), Form EIA-6, "Coal Distribution 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, 1987-1995
 (Thousand Short Tons)

Year	January - March	April - June	July - September	October - December	Year to Date
1987	222,199	218,823	232,958	244,782	918,762
1988	236,889	226,645	241,622	245,109	950,265
1989	247,179	239,022	243,060	251,468	980,729
1990	264,184	254,279	254,760	255,853	1,029,076
1991	254,746	237,006	251,438	252,794	995,984
1992	255,956	242,735	249,055	249,799	997,545
1993	243,417	233,750	227,131	241,127	945,424
1994	255,153	256,964	260,853	260,535	1,033,504
1995	265,262	248,496	NA	NA	513,758

^{NA} Not available.

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

Sources: Energy Information Administration (EIA), Form EIA-6, "Coal Distribution 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	April - June 1995	January - March 1995	April - June 1994	Year to Date		
				1995	1994	Percent Change
Alabama	6,563	6,108	5,852	12,672	12,056	5.1
Alaska	408	374	357	782	806	-3.0
Arizona	3,194	2,938	2,848	6,132	5,790	5.9
Arkansas	4	3	20	7	32	-77.1
Colorado	6,163	6,289	6,543	12,452	12,878	-3.3
Illinois	11,865	13,395	14,253	25,260	28,158	-10.3
Indiana	6,449	7,018	7,726	13,468	15,567	-13.5
Iowa	-	-	16	-	46	-
Kansas	70	90	80	160	146	9.5
Kentucky Total	36,385	39,771	40,144	76,156	79,466	-4.2
Eastern	28,439	31,027	31,092	59,466	60,573	-1.8
Western	7,946	8,744	9,053	16,690	18,893	-11.7
Louisiana	946	771	776	1,717	1,643	4.5
Maryland	938	1,028	779	1,966	1,796	9.5
Missouri	151	145	245	297	441	-32.8
Montana	8,159	11,109	10,123	19,268	19,843	-2.9
New Mexico	6,374	7,168	7,113	13,542	13,932	-2.8
North Dakota	6,982	8,084	7,467	15,066	15,699	-4.0
Ohio	5,408	6,549	7,701	11,957	15,036	-20.5
Oklahoma	511	462	491	973	928	4.9
Pennsylvania Total	15,154	15,922	16,226	31,076	31,125	-2
Anthracite	1,020	980	1,101	2,000	2,139	-6.5
Bituminous	14,134	14,942	15,124	29,076	28,987	.3
Tennessee	682	681	744	1,363	1,483	-8.1
Texas	12,048	11,478	13,148	23,525	26,818	-12.3
Utah	6,316	6,027	5,922	12,343	12,133	1.7
Virginia	8,587	8,856	9,336	17,443	18,858	-7.5
Washington	1,211	1,014	1,256	2,225	2,520	-11.7
West Virginia Total	40,175	42,080	40,947	82,255	78,937	4.2
Northern	10,167	11,582	11,862	21,749	23,872	-8.9
Southern	30,008	30,498	29,085	60,506	55,066	9.9
Wyoming	63,752	67,901	56,851	131,653	115,978	13.5
Appalachian Total	105,947	112,251	112,677	218,198	219,865	-.8
Interior Total	39,990	42,107	45,807	82,097	92,672	-11.4
Western Total	102,559	110,904	98,480	213,463	199,580	7.0
East of the Miss. River	132,207	141,408	143,708	273,616	282,483	-3.1
West of the Miss. River	116,288	123,854	113,255	240,142	229,633	4.6
U.S. Total	248,496	265,262	256,964	513,758	512,116	.3

Notes: Total may not equal sum of components because of independent rounding. See Technical Note 1 in Appendix C for differences between production and distribution.

Sources: Energy Information Administration (EIA), Form EIA-6, "Coal Distribution 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)

	April - June 1995	January - March 1995	April - June 1994	Year to Date		
				1995	1994	Percent Change
Coke Total	5,955	5,785	5,753	11,741	11,260	4.3
By State						
Alabama	620	611	611	1,231	1,209	1.8
Illinois	w	w	w	w	w	w
Indiana	1,125	1,100	906	2,225	1,785	24.6
Kentucky	w	w	w	w	w	w
Maryland	w	w	w	w	w	w
Michigan	w	w	w	w	w	w
New York	w	w	w	w	w	w
Ohio	522	528	565	1,050	1,109	-5.3
Pennsylvania	1,935	1,916	1,975	3,852	3,830	.6
Texas	w	w	w	w	w	w
Utah	w	w	w	w	w	w
Virginia	w	w	w	w	w	w
West Virginia	w	w	w	w	w	w
By Plant Type						
Merchant Coke						
Plants	812	736	843	1,548	1,624	-4.7
Furnace Coke Plants	5,144	5,049	4,910	10,193	9,636	5.8
Breeze Total	366	359	345	725	697	4.0

^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-5, "Coke Plant Report - Quarterly."

Distribution

A barge transports coal on the Chesapeake Bay to a Baltimore port facility. River transportation accounted for about 15 percent of all domestic shipments in 1992.

Figure 4. Quarterly Domestic Coal Distribution by End-Use Sector, 1987-1995

Note: Each increment represents end-of-quarter data.
Source: Energy Information Administration, Form EIA-6, "Coal Distribution Report."

Table 6. Distribution of U.S. Coal by Origin State
(Thousand Short Tons)

Coal-Producing Region and State	April- June 1995	January- March 1995	April- June 1994	Year to Date		
				1995	1994	Percent Change
Alabama	6,336	5,761	5,973	12,098	12,599	-4.0
Alaska	397	381	364	778	799	-2.6
Arizona	2,977	2,739	2,740	5,716	5,480	4.3
Arkansas	4	3	11	7	17	-62.4
Colorado	6,644	6,517	6,140	13,160	12,119	8.6
Illinois	11,456	12,025	14,322	23,481	27,157	-13.5
Indiana	6,425	6,807	7,684	13,232	15,284	-13.4
Iowa	-	-	16	-	46	-
Kansas	70	88	75	157	138	14.3
Kentucky Total	37,066	37,379	40,188	74,445	78,121	-4.7
Eastern	28,849	29,434	31,570	58,283	60,465	-3.6
Western	8,217	7,945	8,618	16,162	17,656	-8.5
Louisiana	924	779	760	1,702	1,643	3.6
Maryland	1,047	788	779	1,835	1,671	9.8
Missouri	151	145	198	297	358	-17.1
Montana	8,365	10,948	10,228	19,313	19,882	-2.9
New Mexico	5,855	6,874	6,733	12,729	13,377	-4.8
North Dakota	6,797	8,198	7,468	14,995	15,476	-3.1
Ohio	5,664	6,254	7,437	11,918	14,326	-16.8
Oklahoma	512	463	498	974	937	4.0
Pennsylvania Total	15,873	14,276	16,095	30,149	30,195	-2
Anthracite	984	906	1,074	1,890	2,147	-11.9
Bituminous	14,889	13,369	15,021	28,258	28,049	.7
Tennessee	689	656	643	1,345	1,275	5.5
Texas	12,331	11,859	13,099	24,191	26,174	-7.6
Utah	6,067	6,352	5,650	12,419	11,252	10.4
Virginia	8,360	8,792	9,747	17,152	19,252	-10.9
Washington	1,218	1,013	1,258	2,231	2,523	-11.6
West Virginia Total	40,079	40,388	41,102	80,467	76,599	5.0
Northern	9,976	10,792	11,127	20,768	21,731	-4.4
Southern	30,103	29,597	29,975	59,699	54,869	8.8
Wyoming	63,428	67,505	56,197	130,933	114,369	14.5
Appalachian Total	106,897	106,349	113,346	213,246	216,382	-1.4
Interior Total	40,090	40,113	45,280	80,203	89,410	-10.3
Western Total	101,747	110,527	96,779	212,275	195,278	8.7
East of the Miss. River	132,996	133,127	143,970	266,122	276,480	-3.7
West of the Miss. River	115,738	123,863	111,435	239,602	224,591	6.7
U.S. Total	248,734	256,990	255,405	505,724	501,071	.9

Notes: Total may not equal sum of components because of independent rounding. See Technical Note 1 for differences between production and distribution.

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

Table 7. Domestic Distribution of U.S. Coal to End-Use Sectors by Origin State
(Thousand Short Tons)

Coal-Producing Region and State	April- June 1995	January- March 1995	April- June 1994	Year to Date		
				1995	1994	Percent Change
Sector: Electric Generation						
Alabama	3,775	3,804	4,084	7,579	8,091	-6.3
Alaska	66	76	65	142	123	15.4
Arizona	2,977	2,739	2,740	5,716	5,480	4.3
Colorado	5,862	5,679	5,470	11,541	10,629	8.6
Illinois	9,209	10,631	12,845	19,840	24,278	-18.3
Indiana	5,576	6,003	6,542	11,579	13,051	-11.3
Iowa	-	-	16	-	35	-
Kansas	52	72	50	124	89	39.5
Kentucky Total	28,930	29,953	32,708	58,883	63,107	-6.7
Eastern	21,123	22,204	24,450	43,327	46,010	-5.8
Western	7,807	7,749	8,258	15,556	17,097	-9.0
Louisiana	924	779	760	1,702	1,643	3.6
Maryland	911	619	710	1,530	1,424	7.4
Missouri	138	81	146	219	250	-12.3
Montana	8,000	10,228	10,019	18,229	19,072	-4.4
New Mexico	5,731	6,737	6,550	12,468	13,017	-4.2
North Dakota	5,289	6,488	5,806	11,777	12,173	-3.3
Ohio	5,174	5,575	6,834	10,749	13,000	-17.3
Oklahoma	234	225	317	459	595	-22.8
Pennsylvania Total	11,552	10,212	12,444	21,764	23,239	-6.3
Anthracite	471	332	503	803	912	-12.0
Bituminous	11,081	9,880	11,941	20,961	22,327	-6.1
Tennessee	528	418	295	946	682	38.7
Texas	11,592	11,085	12,335	22,677	24,691	-8.2
Utah	4,213	4,594	4,068	8,807	8,155	8.0
Virginia	3,831	3,914	4,610	7,745	8,702	-11.0
Washington	1,149	948	1,193	2,097	2,397	-12.5
West Virginia Total	22,839	24,911	25,333	47,750	48,225	-1.0
Northern	7,692	8,995	9,143	16,687	18,479	-9.7
Southern	15,147	15,916	16,190	31,063	29,746	4.4
Wyoming	61,481	65,599	54,129	127,080	110,492	15.0
Appalachian Total	69,733	71,657	78,760	141,390	149,373	-5.3
Interior Total	35,531	36,624	41,268	72,155	81,727	-11.7
Western Total	94,767	103,088	90,041	197,855	181,537	9.0
East of the Miss. River	92,324	96,040	106,404	188,364	203,798	-7.6
West of the Miss. River	107,707	115,329	103,664	223,036	208,839	6.8
U.S. Total	200,031	211,369	210,068	411,400	412,637	-3
Sector: Coke Plants						
Alabama	330	359	423	689	801	-14.0
Illinois	103	70	21	173	66	161.0
Kentucky Total	1,212	1,187	1,338	2,399	2,645	-9.3
Eastern	1,212	1,187	1,338	2,399	2,645	-9.3
Pennsylvania Total	682	632	577	1,314	957	37.2
Anthracite	-	-	-	-	-	-
Bituminous	682	632	577	1,314	957	37.2
Utah	-	-	30	-	193	-
Virginia	1,470	1,365	1,387	2,835	2,839	-.1
West Virginia Total	4,214	3,444	4,233	7,657	7,625	.4
Northern	3	19	32	21	35	-38.6
Southern	4,211	3,425	4,201	7,636	7,590	.6
Appalachian Total	7,908	6,986	7,959	14,894	14,868	.2
Interior Total	103	70	21	173	66	161.0
Western Total	-	-	30	-	193	-
East of the Miss. River	8,010	7,056	7,980	15,066	14,934	.9
West of the Miss. River	-	-	30	-	193	-
U.S. Total	8,010	7,056	8,010	15,066	15,127	-.4

See footnotes at end of table.

Table 7. Domestic Distribution of U.S. Coal to End-Use Sectors by Origin State (Continued)
(Thousand Short Tons)

Coal-Producing Region and State	April- June 1995	January- March 1995	April- June 1994	Year to Date		
				1995	1994	Percent Change
Sector: Industrial Plants (Except Coke)						
Alabama	413	421	515	834	1,047	-20.4
Arkansas	4	3	11	7	17	-62.4
Colorado	542	527	575	1,069	1,112	-3.8
Illinois	1,111	1,027	1,339	2,138	2,553	-16.3
Indiana	717	650	993	1,367	1,896	-27.9
Iowa	-	-	-	-	11	-
Kansas	17	15	25	33	45	-27.7
Kentucky Total	3,684	3,593	3,643	7,277	7,475	-2.7
Eastern	3,529	3,439	3,356	6,967	7,007	-6
Western	156	154	287	310	468	-33.8
Maryland	112	89	65	201	147	37.2
Missouri	12	19	18	31	33	-8.0
Montana	323	599	167	921	718	28.3
New Mexico	124	134	183	258	357	-27.9
North Dakota	1,503	1,675	1,658	3,178	3,253	-2.3
Ohio	421	495	419	916	903	1.4
Oklahoma	275	227	180	503	332	51.4
Pennsylvania Total	1,084	951	1,007	2,035	2,229	-8.7
Anthracite	125	136	104	261	213	22.8
Bituminous	959	814	903	1,774	2,017	-12.1
Tennessee	155	209	336	364	558	-34.9
Texas	740	774	764	1,514	1,483	2.1
Utah	800	924	869	1,723	1,616	6.7
Virginia	606	922	808	1,529	1,574	-2.9
Washington	32	23	17	55	35	57.7
West Virginia Total	1,678	1,719	2,298	3,397	3,823	-11.1
Northern	532	360	602	892	1,025	-13.0
Southern	1,146	1,359	1,696	2,505	2,798	-10.5
Wyoming	1,281	1,297	1,523	2,578	2,836	-9.1
Appalachian Total	7,998	8,244	8,804	16,242	17,289	-6.1
Interior Total	3,032	2,869	3,616	5,901	6,840	-13.7
Western Total	4,604	5,179	4,991	9,783	9,928	-1.5
East of the Miss. River	9,982	10,074	11,423	20,057	22,207	-9.7
West of the Miss. River	5,652	6,218	5,989	11,870	11,850	.2
U.S. Total	15,634	16,292	17,411	31,926	34,057	-6.3
Sector: Residential and Commercial						
Alabama	*	1	*	1	6	-81.8
Alaska	104	153	77	256	229	12.2
Colorado	11	17	24	28	40	-29.2
Illinois	59	112	65	171	140	22.8
Indiana	46	93	76	139	182	-23.8
Kansas	1	*	*	1	4	-74.2
Kentucky Total	181	249	256	431	636	-32.2
Eastern	181	246	243	427	613	-30.3
Western	1	3	12	4	23	-83.9
Maryland	8	1	*	8	2	412.5
Missouri	1	46	34	47	74	-37.2
Montana	3	46	10	49	49	.4
New Mexico	-	3	*	3	3	13.6
North Dakota	2	35	4	37	50	-25.8
Ohio	38	108	109	146	306	-52.4
Oklahoma	*	11	1	11	8	29.8
Pennsylvania Total	250	396	215	646	688	-6.1
Anthracite	173	255	140	428	470	-8.9
Bituminous	77	141	75	218	218	*
Tennessee	3	22	7	25	26	-1.1
Utah	54	48	75	102	170	-39.8
Virginia	42	44	16	86	53	62.9
Washington	*	*	*	1	*	NM
West Virginia Total	178	171	150	349	357	-2.2
Northern	3	11	4	14	22	-36.9
Southern	176	160	146	336	335	*
Wyoming	51	80	66	132	181	-27.5
Appalachian Total	700	989	742	1,689	2,051	-17.6
Interior Total	108	265	188	373	431	-13.6

See footnotes at end of table.

Table 7. Domestic Distribution of U.S. Coal to End-Use Sectors by Origin State (Continued)
(Thousand Short Tons)

Coal-Producing Region and State	April- June 1995	January- March 1995	April- June 1994	Year to Date		
				1995	1994	Percent Change
Sector: Residential and Commercial (Continued)						
Western Total	224	384	257	609	722	-15.7
East of the Miss. River	806	1,198	896	2,003	2,395	-16.4
West of the Miss. River	226	441	291	667	808	-17.4
U.S. Total	1,032	1,638	1,187	2,670	3,203	-16.6

* Quantity is less than 500 short tons or percent is less than .05.

NM Not meaningful as value is greater than or equal to 500.

Notes: Total may not equal sum of components because of independent rounding. Sectors do not sum to total distribution due to deliveries to unknown sectors.

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

Table 8. Foreign Distribution of U.S. Coal by Origin State, January-June 1995
(Thousand Short Tons)

Coal-Producing Region and State	Canada					Overseas ¹	Total
	Electric Utilities	Coke Plants	Industrial Plants (Except Coke)	Residential and Commercial	Total		
Alabama	-	-	-	-	-	2,960	2,960
Alaska	-	-	-	-	-	380	380
Colorado	-	-	-	-	-	495	495
Illinois	-	-	-	-	-	1,145	1,145
Indiana	-	-	-	-	-	69	69
Kentucky Total	-	327	75	-	402	4,532	4,934
Eastern	-	327	75	-	402	4,267	4,669
Western	-	-	-	-	-	265	265
Maryland	-	-	-	-	-	94	94
Montana	108	-	-	-	108	-	108
Ohio	-	-	7	-	7	7	14
Pennsylvania Total	198	-	163	-	360	3,752	4,112
Anthracite	2	-	86	-	88	133	221
Bituminous	196	-	76	-	272	3,619	3,891
Utah	-	-	-	-	-	1,786	1,786
Virginia	-	108	-	-	108	4,821	4,929
Washington	-	-	1	-	1	77	78
West Virginia Total	1,235	1,354	129	-	2,718	18,500	21,218
Northern	704	-	56	-	760	2,324	3,085
Southern	531	1,354	73	-	1,958	16,176	18,134
Wyoming	-	-	-	-	-	1,139	1,139
Appalachian Total	1,433	1,789	374	-	3,596	34,400	37,986
Interior Total	-	-	-	-	-	1,480	1,480
Western Total	108	-	1	-	108	3,877	3,986
East of the Miss. River	1,433	1,789	374	-	3,596	35,880	39,476
West of the Miss. River	108	-	1	-	108	3,877	3,986
U.S. Total	1,541	1,789	375	-	3,705	39,757	43,462

¹ Also includes Mexico.

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

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

Figure 5. Domestic Distribution of U.S. Coal by Leading State Destination, January-June 1995

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

Table 9. Distribution of U.S. Coal by Destination
(Thousand Short Tons)

Census Division and State of Destination	April-June 1995	January-March 1995	April-June 1994	Year to Date		
				1995	1994	Percent Change
New England Total	1,370	1,285	1,296	2,655	2,415	10.0
Connecticut	517	395	265	912	420	117.3
Maine	78	74	96	153	189	-19.2
Massachusetts	592	610	717	1,202	1,380	-12.9
New Hampshire	182	204	218	387	423	-8.5
Rhode Island	-	*	-	*	1	-68.9
Vermont	*	1	*	1	1	-31.5
Middle Atlantic Total	17,110	16,761	18,103	33,871	34,892	-2.9
New Jersey	730	569	573	1,300	1,066	21.9
New York	2,704	2,855	2,858	5,559	5,804	-4.2
Pennsylvania	13,675	13,337	14,672	27,012	28,022	-3.6
East North Central Total	51,347	53,895	56,044	105,243	105,760	-.5
Illinois	9,463	9,962	10,518	19,425	20,201	-3.8
Indiana	14,777	15,917	16,199	30,694	31,593	-2.8
Michigan	8,826	8,180	8,828	17,006	15,363	10.7
Ohio	13,381	14,413	15,089	27,795	28,317	-1.8
Wisconsin	4,900	5,423	5,409	10,323	10,285	.4
West North Central Total	30,649	34,160	30,345	64,809	61,934	4.6
Iowa	5,454	5,267	4,992	10,721	9,049	18.5
Kansas	4,150	3,946	4,646	8,096	9,374	-13.6
Minnesota	4,397	5,131	4,814	9,528	9,924	-4.0
Missouri	7,246	8,321	6,590	15,567	13,549	14.9
Nebraska	2,422	2,994	1,701	5,416	4,156	30.3
North Dakota	6,410	7,782	6,819	14,192	14,391	-1.4
South Dakota	569	720	785	1,289	1,492	-13.6
South Atlantic Total	35,713	38,295	41,612	74,008	79,607	-7.0
Delaware	403	470	509	874	1,140	-23.4
District of Columbia	-	*	7	*	28	-99.0
Florida	5,727	5,963	6,161	11,690	11,325	3.2
Georgia	6,998	7,560	8,586	14,558	15,807	-7.9
Maryland	2,342	2,444	2,413	4,787	4,768	.4
North Carolina	5,956	5,917	6,832	11,872	13,290	-10.7
South Carolina	2,674	3,042	3,318	5,715	6,379	-10.4
Virginia	3,698	3,641	4,332	7,338	8,117	-9.6
West Virginia	7,915	9,258	9,455	17,173	18,753	-8.4
East South Central Total	24,805	25,303	24,594	50,108	48,369	3.6
Alabama	7,425	7,286	7,916	14,711	15,162	-3.0
Kentucky	8,827	8,995	8,623	17,822	17,235	3.4
Mississippi	1,097	1,282	1,065	2,379	1,899	25.3
Tennessee	7,455	7,740	6,991	15,195	14,073	8.0
West South Central Total	34,691	35,218	35,483	69,909	71,232	-1.9
Arkansas	3,446	3,353	3,188	6,799	6,272	8.4
Louisiana	3,822	3,506	3,467	7,328	7,031	4.2
Oklahoma	5,468	5,469	4,995	10,937	10,086	8.4
Texas	21,955	22,890	23,833	44,845	47,843	-6.3
Mountain Total	25,417	28,611	26,294	54,028	54,820	-1.4
Arizona	3,907	4,424	4,580	8,331	8,975	-7.2
Colorado	4,225	4,560	4,096	8,785	8,640	1.7
Idaho	92	91	119	183	239	-23.3
Montana	2,328	2,952	2,024	5,280	4,933	7.0
Nevada	1,963	1,710	1,834	3,673	3,669	.1
New Mexico	3,202	3,621	3,532	6,823	7,189	-5.1
Utah	3,781	4,049	4,147	7,830	8,093	-3.2
Wyoming	5,919	7,203	5,963	13,122	13,082	.3
Pacific Total	3,623	2,827	2,916	6,450	6,007	7.4
Alaska	169	229	142	398	352	13.3
California	618	711	741	1,330	1,488	-10.6
Oregon	161	574	515	735	1,120	-34.4
Washington	2,675	1,313	1,518	3,988	3,047	30.9
Unknown	485	696	964	1,182	1,956	-39.6
U.S. Total	225,210	237,053	237,653	462,262	466,993	-1.0
Canada	2,598	1,106	2,207	3,705	2,749	34.8
Overseas ¹	20,926	18,831	15,546	39,757	31,329	26.9
Foreign Total	23,524	19,937	17,752	43,462	34,078	27.5
Grand Total	248,734	256,990	255,405	505,724	501,071	.9

¹ Also includes Mexico.

* Quantity is less than 500 short tons or percent is less than .05.

Notes: Total may not equal sum of components because of independent rounding. See Technical Note 1 for differences between distribution and receipts.

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

Table 10. Domestic Distribution of U.S. Coal to End-Use Sectors by Destination State
(Thousand Short Tons)

Census Division and State of Destination	April- June 1995	January- March 1995	April- June 1994	Year to Date		
				1995	1994	Percent Change
Sector: Electric Generation						
New England Total	1,279	1,194	1,181	2,473	2,175	13.7
Connecticut	516	394	265	910	415	119.0
Massachusetts	580	597	699	1,178	1,340	-12.1
New Hampshire	182	204	217	385	420	-8.2
Middle Atlantic Total	12,414	12,423	13,902	24,837	26,266	-5.4
New Jersey	727	565	561	1,292	1,021	26.6
New York	2,068	2,241	2,142	4,309	4,435	-2.8
Pennsylvania	9,618	9,618	11,199	19,236	20,810	-7.6
East North Central Total	44,332	47,674	48,298	92,006	91,361	.7
Illinois	8,169	8,562	8,798	16,731	16,959	-1.3
Indiana	12,020	13,537	13,536	25,557	26,686	-4.2
Michigan	8,017	7,512	7,818	15,529	13,760	12.9
Ohio	11,734	12,890	13,187	24,624	24,431	.8
Wisconsin	4,393	5,173	4,959	9,566	9,524	.4
West North Central Total	27,886	30,885	27,259	58,771	55,864	5.2
Iowa	4,967	4,771	4,347	9,738	7,919	23.0
Kansas	4,121	3,917	4,611	8,038	9,310	-13.7
Minnesota	4,052	4,663	4,456	8,714	9,289	-6.2
Missouri	7,016	8,063	6,314	15,079	12,995	16.0
Nebraska	2,388	2,918	1,673	5,306	4,062	30.6
North Dakota	4,848	5,893	5,143	10,740	10,930	-1.7
South Dakota	495	660	715	1,154	1,358	-15.0
South Atlantic Total	32,218	34,171	37,471	66,389	71,433	-7.1
Delaware	364	434	467	799	1,057	-24.4
Florida	5,555	5,792	5,979	11,347	10,930	3.8
Georgia	6,570	6,943	8,203	13,513	15,037	-10.1
Maryland	2,139	2,234	2,278	4,373	4,463	-2.0
North Carolina	5,363	5,138	6,210	10,501	11,950	-12.1
South Carolina	2,236	2,590	2,709	4,825	5,129	-5.9
Virginia	2,782	2,693	3,292	5,475	6,277	-12.8
West Virginia	7,208	8,347	8,333	15,556	16,590	-6.2
East South Central Total	21,907	22,474	21,188	44,382	41,396	7.2
Alabama	6,226	6,103	6,498	12,330	12,328	.
Kentucky	7,994	8,367	7,742	16,361	15,278	7.1
Mississippi	1,038	1,214	983	2,252	1,760	28.0
Tennessee	6,649	6,790	5,966	13,439	12,030	11.7
West South Central Total	33,176	33,623	33,905	66,799	68,164	-2.0
Arkansas	3,368	3,265	3,100	6,633	6,105	8.6
Louisiana	3,682	3,352	3,338	7,034	6,757	4.1
Oklahoma	5,148	5,144	4,784	10,292	9,718	5.9
Texas	20,978	21,863	22,683	42,840	45,584	-6.0
Mountain Total	23,925	27,020	24,669	50,946	51,481	-1.0
Arizona	3,738	4,250	4,407	7,988	8,627	-7.4
Colorado	4,070	4,392	3,904	8,462	8,213	3.0
Montana	2,228	2,792	1,899	5,019	4,647	8.0
Nevada	1,875	1,653	1,780	3,528	3,569	-1.2
New Mexico	3,181	3,601	3,513	6,782	7,151	-5.2
Utah	3,323	3,613	3,651	6,936	7,130	-2.7
Wyoming	5,511	6,719	5,515	12,230	12,144	.7
Pacific Total	2,894	1,904	2,195	4,797	4,496	6.7
Alaska	66	76	65	142	123	15.4
California	65	48	154	113	352	-67.8
Oregon	153	531	509	684	1,093	-37.4
Washington	2,610	1,248	1,467	3,858	2,928	31.8
U.S. Total	200,031	211,369	210,068	411,400	412,637	-.3
Sector: Coke Plants						
Middle Atlantic Total	3,235	2,922	2,666	6,157	5,223	17.9
New York	363	393	316	756	636	18.9
Pennsylvania	2,872	2,529	2,350	5,401	4,587	17.7
East North Central Total	3,039	2,662	3,244	5,702	5,723	-.4
Illinois	410	528	461	938	875	7.2
Indiana	1,813	1,429	1,590	3,242	2,676	21.1
Michigan	221	113	277	334	478	-30.1
Ohio	596	592	915	1,188	1,694	-29.9
South Atlantic Total	548	494	744	1,042	1,393	-25.2
Virginia	243	235	283	477	521	-8.3
West Virginia	305	259	461	565	872	-35.3
East South Central Total	1,012	756	1,133	1,769	2,252	-21.5

See footnotes at end of table.

Table 10. Domestic Distribution of U.S. Coal to End-Use Sectors by Destination State (Continued)
(Thousand Short Tons)

Census Division and State of Destination	April- June 1995	January- March 1995	April- June 1994	Year to Date		
				1995	1994	Percent Change
Sector: Coke Plants (Continued)						
Alabama	683	625	822	1,308	1,631	-19.8
Kentucky	329	132	311	461	621	-25.8
Tennessee	-	-	-	-	-	-
Mountain Total	176	221	223	397	536	-26.0
Utah	176	221	223	397	536	-26.0
U.S. Total	8,010	7,056	8,010	15,066	15,127	-.4
Sector: Industrial Plants (Except Coke)						
New England Total	88	83	111	171	218	-21.4
Connecticut	*	*	*	*	*	NM
Maine	78	73	95	152	187	-18.7
Massachusetts	10	9	16	19	31	-37.8
Middle Atlantic Total	1,189	1,019	1,294	2,208	2,685	-17.8
New Jersey	2	3	11	5	41	-88.3
New York	240	163	368	403	642	-37.2
Pennsylvania	947	853	915	1,800	2,001	-10.1
East North Central Total	3,729	3,146	4,156	6,875	7,842	-12.3
Illinois	850	796	1,198	1,646	2,229	-26.2
Indiana	899	856	994	1,756	2,034	-13.7
Michigan	542	464	648	1,006	968	3.9
Ohio	975	822	878	1,797	1,862	-3.5
Wisconsin	463	207	439	670	749	-10.6
West North Central Total	2,623	3,081	2,938	5,704	5,709	-.1
Iowa	461	496	623	957	1,097	-12.8
Kansas	29	28	34	57	53	7.0
Minnesota	248	394	310	642	527	21.8
Missouri	219	192	217	411	429	-4.1
Nebraska	35	76	27	110	91	20.6
North Dakota	1,558	1,834	1,662	3,392	3,383	.3
South Dakota	74	60	65	134	127	5.4
South Atlantic Total	2,800	3,397	3,216	6,196	6,320	-2.0
Delaware	39	36	30	75	66	14.2
Florida	171	171	182	343	376	-8.9
Georgia	418	585	383	1,002	757	32.5
Maryland	192	178	134	370	288	28.7
North Carolina	544	697	577	1,241	1,226	1.2
South Carolina	437	438	582	875	1,191	-26.6
Virginia	604	652	679	1,257	1,164	8.0
West Virginia	394	639	650	1,034	1,253	-17.5
East South Central Total	1,837	1,975	2,195	3,812	4,450	-14.3
Alabama	515	557	596	1,073	1,196	-10.3
Kentucky	489	439	510	928	1,122	-17.3
Mississippi	59	68	82	127	139	-8.7
Tennessee	773	911	1,006	1,685	1,993	-15.5
West South Central Total	1,513	1,580	1,578	3,093	3,067	.8
Arkansas	78	88	88	166	166	-.3
Louisiana	138	150	129	288	274	5.1
Oklahoma	320	314	210	634	367	72.9
Texas	977	1,027	1,150	2,005	2,260	-11.3
Mountain Total	1,274	1,259	1,337	2,533	2,599	-2.5
Arizona	167	173	172	340	349	-2.5
Colorado	154	164	189	318	419	-24.2
Idaho	80	82	111	162	217	-25.3
Montana	100	155	125	255	284	-10.1
Nevada	88	57	53	145	99	45.7
New Mexico	21	17	19	37	34	10.4
Utah	271	193	250	464	370	25.3
Wyoming	394	418	417	812	826	-1.7
Pacific Total	580	753	585	1,333	1,168	14.2
Alaska	-	-	-	-	-	-
California	520	663	546	1,183	1,062	11.4
Oregon	8	43	5	51	27	87.7
Washington	53	47	34	99	79	26.1
U.S. Total	15,634	16,292	17,411	31,926	34,057	-6.3

See footnotes at end of table.

Table 10. Domestic Distribution of U.S. Coal to End-Use Sectors by Destination State (Continued)
(Thousand Short Tons)

Census Division and State of Destination	April- June 1995	January- March 1995	April- June 1994	Year to Date		
				1995	1994	Percent Change
Sector: Residential and Commercial						
New England Total	3	8	3	11	22	-48.9
Connecticut	*	2	*	2	4	-46.9
Maine	*	1	*	1	2	-54.4
Massachusetts	1	4	2	5	10	-48.9
New Hampshire	1	1	1	1	3	-47.4
Rhode Island	-	*	-	*	1	-68.9
Vermont	*	1	*	1	1	-31.5
Middle Atlantic Total	254	397	241	651	718	-9.2
New Jersey	1	2	1	3	4	-29.3
New York	33	58	32	90	90	.2
Pennsylvania	221	337	209	558	623	-10.5
East North Central Total	247	413	346	659	834	-20.9
Illinois	34	76	61	110	138	-20.4
Indiana	45	94	80	139	197	-29.2
Michigan	47	90	86	137	158	-13.1
Ohio	76	109	108	185	330	-43.8
Wisconsin	45	43	11	88	11	NM
West North Central Total	140	195	147	335	361	-7.4
Iowa	26	*	22	27	32	-16.5
Kansas	*	*	1	1	11	-94.9
Minnesota	97	75	47	172	107	60.3
Missouri	11	65	60	77	125	-38.9
Nebraska	-	*	1	*	2	-99.9
North Dakota	4	54	13	59	78	-24.7
South Dakota	-	*	4	*	6	-95.9
South Atlantic Total	147	233	181	380	461	-17.6
Delaware	*	*	12	*	18	-98.8
District of Columbia	-	*	7	*	28	-99.0
Florida	*	*	*	*	19	-98.9
Georgia	10	33	*	43	13	221.1
Maryland	11	32	1	43	17	154.9
North Carolina	49	81	45	130	114	14.4
South Carolina	1	14	27	15	59	-74.4
Virginia	69	61	78	129	156	-17.0
West Virginia	7	12	11	19	38	-49.6
East South Central Total	48	96	68	145	259	-44.2
Alabama	*	1	*	1	6	-82.4
Kentucky	15	57	48	72	203	-64.4
Tennessee	33	38	20	71	50	42.9
West South Central Total	1	15	*	16	1	NM
Arkansas	-	-	*	-	*	-
Louisiana	1	4	-	5	-	-
Oklahoma	*	11	*	11	1	NM
Texas	-	-	*	-	*	-
Mountain Total	42	111	65	153	204	-25.2
Arizona	2	*	*	3	*	NM
Colorado	2	4	3	5	8	-35.4
Idaho	12	9	7	21	22	-3.8
Montana	*	5	*	6	2	189.8
Nevada	*	*	*	1	1	-23.9
New Mexico	*	4	*	4	3	12.4
Utah	11	23	22	34	56	-39.6
Wyoming	14	66	32	80	112	-28.7
Pacific Total	149	171	136	320	343	-6.7
Alaska	104	153	77	256	229	12.2
California	33	*	42	33	74	-55.1
Oregon	-	*	-	*	*	NM
Washington	12	18	18	30	40	-24.8
U.S. Total	1,032	1,638	1,187	2,670	3,203	-16.6

* Quantity is less than 500 short tons or percent is less than .05.

NM Not meaningful as value is greater than or equal to 500.

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

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

Figure 6. Quarterly Domestic Coal Distribution by Method of Transportation, 1987-1995

Note: Each increment represents end of quarter data. Other methods of transportation include tramway, conveyor, or slurry pipeline.
Source: Energy Information Administration, Form EIA-6, "Coal Distribution Report."

**Table 11. Domestic Distribution of U.S. Coal by Method of Transportation
and Origin State
(Thousand Short Tons)**

Coal-Producing Region and State	April- June 1995	January- March 1995	April- June 1994	Year to Date		
				1995	1994	Percent Change
Method of Transportation: Rail						
Alabama	1,536	1,745	1,352	3,281	2,687	22.1
Alaska	111	171	89	282	251	12.1
Arizona	1,673	1,698	1,745	3,371	3,408	-1.1
Colorado	5,167	4,778	4,845	9,945	9,196	8.1
Illinois	5,801	6,672	7,247	12,472	13,962	-10.7
Indiana	3,620	3,869	4,176	7,489	8,521	-12.1
Kansas	14	7	7	21	7	202.2
Kentucky Total	22,969	22,859	24,018	45,828	46,298	-1.0
Eastern	20,376	20,436	21,869	40,813	41,964	-2.7
Western	2,593	2,423	2,149	5,016	4,334	15.7
Maryland	675	424	643	1,100	1,299	-15.3
Missouri	15	30	14	44	14	225.6
Montana	4,864	6,556	6,502	11,420	12,560	-9.1
New Mexico	4,722	5,625	5,340	10,347	10,540	-1.8
North Dakota	469	686	756	1,155	1,486	-22.3
Ohio	773	286	522	1,059	1,027	3.1
Pennsylvania Total	5,766	5,201	6,902	10,966	12,750	-14.0
Anthracite	58	65	31	123	57	115.6
Bituminous	5,708	5,136	6,871	10,844	12,693	-14.6
Tennessee	411	413	436	824	862	-4.5
Texas	5,076	3,988	5,374	9,064	10,376	-12.6
Utah	2,853	3,229	2,655	6,083	5,463	11.3
Virginia	4,818	5,452	5,961	10,270	11,585	-11.4
West Virginia Total	15,999	16,798	17,491	32,796	33,270	-1.4
Northern	2,944	3,384	3,784	6,328	7,333	-13.7
Southern	13,055	13,414	13,707	26,469	25,936	2.1
Wyoming	54,931	59,103	49,034	114,034	100,907	13.0
Appalachian Total	50,354	50,755	55,176	101,109	105,444	-4.1
Interior Total	17,118	16,989	18,967	34,107	37,215	-8.4
Western Total	74,790	81,846	70,964	156,637	143,811	8.9
East of the Miss. River	62,367	63,719	68,749	126,086	132,262	-4.7
West of the Miss. River	79,895	85,871	76,359	165,766	154,208	7.5
U.S. Total	142,262	149,590	145,108	291,852	286,470	1.9
Method of Transportation: River						
Alabama	939	735	869	1,675	1,691	-1.0
Colorado	146	154	135	300	293	2.4
Illinois	3,050	3,541	4,802	6,591	8,484	-22.3
Indiana	582	505	928	1,087	1,653	-34.2
Kentucky Total	6,924	8,028	9,340	14,951	18,200	-17.8
Eastern	3,090	4,312	4,420	7,402	8,070	-8.3
Western	3,834	3,715	4,920	7,549	10,129	-25.5
Maryland	57	147	-	203	-	-
Montana	1	-	-	1	-	-
Ohio	1,637	2,437	2,710	4,074	5,198	-21.6
Oklahoma	2	-	-	2	-	-
Pennsylvania Total	2,141	1,712	1,743	3,853	3,307	16.5
Bituminous	2,141	1,712	1,743	3,853	3,307	16.5
Tennessee	166	119	134	285	243	17.3
Utah	4	*	29	4	40	-89.0
Virginia	469	410	317	879	596	47.5
West Virginia Total	9,620	9,921	10,635	19,541	19,024	2.7
Northern	3,403	3,929	3,791	7,332	7,810	-6.1
Southern	6,218	5,992	6,844	12,209	11,215	8.9
Wyoming	4,201	3,838	3,226	8,039	5,099	57.7
Appalachian Total	18,119	19,792	20,828	37,911	38,129	-6
Interior Total	7,468	7,761	10,650	15,229	20,266	-24.9
Western Total	4,351	3,992	3,390	8,344	5,431	53.6
East of the Miss. River	25,586	27,553	31,478	53,139	58,395	-9.0
West of the Miss. River	4,353	3,992	3,390	8,345	5,431	53.6
U.S. Total	29,938	31,545	34,868	61,484	63,826	-3.7

See footnotes at end of table.

Table 11. Domestic Distribution of U.S. Coal by Method of Transportation and Origin State (Continued)
(Thousand Short Tons)

Coal-Producing Region and State	April- June 1995	January- March 1995	April- June 1994	Year to Date		
				1995	1994	Percent Change
Method of Transportation: Great Lakes						
Illinois	16	-	14	16	14	18.7
Indiana	176	-	139	176	139	25.9
Kentucky Total	220	90	276	310	428	-27.6
Eastern	220	90	276	310	428	-27.6
Montana	1,945	1,544	1,804	3,489	2,631	32.6
Ohio	3	12	27	15	29	-48.3
Pennsylvania Total	453	40	214	494	274	80.1
Bituminous	453	40	214	494	274	80.1
Utah	-	-	18	-	18	-
Virginia	31	-	78	31	89	-65.4
West Virginia Total	119	51	244	170	332	-48.8
Northern	110	-	110	110	110	.1
Southern	9	51	134	60	222	-72.9
Wyoming	215	-	295	215	295	-27.1
Appalachian Total	826	194	838	1,019	1,152	-11.5
Interior Total	192	-	153	192	153	25.2
Western Total	2,160	1,544	2,118	3,704	2,945	25.8
East of the Miss. River	1,018	194	991	1,211	1,305	-7.2
West of the Miss. River	2,160	1,544	2,118	3,704	2,945	25.8
U.S. Total	3,177	1,738	3,109	4,916	4,250	15.6
Method of Transportation: Tidewater						
Illinois	-	404	344	404	550	-26.6
Kentucky Total	779	623	807	1,402	1,372	2.1
Eastern	672	623	740	1,295	1,225	5.7
Western	107	-	66	107	147	-27.1
Pennsylvania Total	-	23	-	23	39	-40.4
Bituminous	-	23	-	23	39	-40.4
Virginia	156	-	-	156	-	-
West Virginia Total	899	490	333	1,390	883	57.3
Northern	306	127	24	433	179	142.3
Southern	593	363	308	956	704	35.7
Appalachian Total	1,727	1,136	1,073	2,863	2,147	33.3
Interior Total	107	404	410	511	697	-26.7
East of the Miss. River	1,834	1,540	1,483	3,374	2,845	18.6
U.S. Total	1,834	1,540	1,483	3,374	2,845	18.6
Method of Transportation: Truck						
Alabama	1,781	1,772	2,399	3,554	4,729	-24.9
Alaska	59	58	53	116	100	16.2
Arkansas	4	3	11	7	17	-62.4
Colorado	1,102	1,292	1,089	2,394	2,292	4.4
Illinois	1,615	1,224	1,225	2,838	2,722	4.3
Indiana	1,779	2,161	2,276	3,939	4,552	-13.5
Iowa	-	-	16	-	46	-
Kansas	56	80	68	136	131	4.2
Kentucky Total	3,115	3,383	3,505	6,497	7,562	-14.1
Eastern	1,686	1,614	2,083	3,300	4,585	-28.0
Western	1,429	1,769	1,421	3,197	2,977	7.4
Louisiana	225	193	174	418	408	2.4
Maryland	299	138	132	437	274	59.7
Missouri	137	116	184	252	344	-26.7
Montana	40	108	61	147	178	-17.3
New Mexico	-	1,249	1,393	1,249	2,837	-56.0
North Dakota	804	922	1,113	1,726	2,211	-22.0
Ohio	2,016	2,230	2,657	4,246	5,522	-23.1
Oklahoma	508	463	498	971	935	3.8
Pennsylvania Total	3,818	4,045	3,797	7,864	7,612	3.3
Anthracite	556	531	542	1,087	1,226	-11.4
Bituminous	3,262	3,515	3,255	6,777	6,386	6.1
Tennessee	110	117	68	227	162	40.3

See footnotes at end of table.

Table 11. Domestic Distribution of U.S. Coal by Method of Transportation and Origin State (Continued)
(Thousand Short Tons)

Coal-Producing Region and State	April- June 1995	January- March 1995	April- June 1994	Year to Date		
				1995	1994	Percent Change
Method of Transportation: Truck (Continued)						
Texas	3,020	3,465	3,598	6,485	7,000	-7.4
Utah	1,370	1,424	1,458	2,794	2,821	-1.0
Virginia	233	149	183	382	377	1.4
Washington	32	24	18	56	37	50.7
West Virginia Total	1,056	1,508	1,602	2,564	3,032	-15.4
Northern	586	912	870	1,498	1,668	-10.1
Southern	470	596	732	1,066	1,365	-21.9
Wyoming	765	1,056	625	1,822	1,683	8.3
Appalachian Total	11,000	11,574	12,921	22,574	26,292	-14.1
Interior Total	8,772	9,471	9,471	18,243	19,133	-4.6
Western Total	4,172	6,131	5,811	10,303	12,161	-15.3
East of the Miss. River	15,822	16,726	17,844	32,549	36,544	-10.9
West of the Miss. River	8,122	10,450	10,360	18,571	21,042	-11.7
U.S. Total	23,944	27,176	28,204	51,120	57,586	-11.2
Method of Transportation: Tramway, Conveyor and Slurry Pipeline						
Alabama	262	331	402	593	839	-29.3
Arizona	1,304	1,040	996	2,345	2,072	13.1
Illinois	-	-	637	-	1,305	-
Indiana	182	211	92	393	263	49.4
Kentucky Total	-	-	-	-	3	-
Eastern	-	-	-	-	3	-
Louisiana	698	586	586	1,284	1,235	4.0
Montana	1,477	2,666	1,828	4,142	4,470	-7.3
New Mexico	1,133	-	-	1,133	-	-
North Dakota	5,521	6,590	5,600	12,111	11,778	2.8
Ohio	1,203	1,213	1,447	2,415	2,432	-7
Pennsylvania Total	1,391	1,169	1,588	2,560	3,132	-18.3
Anthracite	155	129	174	283	312	-9.3
Bituminous	1,236	1,040	1,414	2,276	2,820	-19.3
Texas	4,236	4,407	4,127	8,642	8,798	-1.8
Utah	838	914	881	1,752	1,791	-2.2
Virginia	243	235	283	477	521	-8.3
Washington	1,149	948	1,192	2,097	2,395	-12.4
West Virginia Total	1,215	1,477	1,709	2,692	3,489	-22.8
Northern	881	1,032	1,202	1,913	2,461	-22.3
Southern	335	445	507	779	1,028	-24.1
Wyoming	2,700	2,979	2,538	5,680	5,525	2.8
Appalachian Total	4,314	4,425	5,429	8,738	10,416	-16.1
Interior Total	5,116	5,204	5,442	10,320	11,601	-11.0
Western Total	14,122	15,138	13,035	29,260	28,031	4.4
East of the Miss. River	4,496	4,636	6,158	9,131	11,984	-23.8
West of the Miss. River	19,056	20,130	17,748	39,186	38,064	2.9
U.S. Total	23,551	24,766	23,905	48,318	50,048	-3.5

* Quantity is less than 500 short tons or percent is less than .05.

Notes: Total may not equal sum of components because of independent rounding. Methods of transportation do not sum to total distribution due to unknown methods of transportation.

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

Table 12. Domestic Distribution of U.S. Coal by Method of Transportation and Destination State
(Thousand Short Tons)

Census Division and State of Destination	April- June 1995	January- March 1995	April- June 1994	Year to Date		
				1995	1994	Percent Change
Method of Transportation: Rail						
New England Total	404	619	829	1,023	1,537	-33.4
Connecticut	163	228	*	391	*	NM
Maine	8	*	4	8	5	82.2
Massachusetts	51	187	607	238	1,111	-78.6
New Hampshire	182	204	218	386	421	-8.3
Vermont	*	*	-	*	*	NM
Middle Atlantic Total	6,984	6,937	7,815	13,921	14,789	-5.9
New Jersey	309	389	443	698	827	-15.7
New York	2,432	2,556	2,490	4,987	4,967	.4
Pennsylvania	4,244	3,992	4,881	8,236	8,996	-8.4
East North Central Total	33,971	36,719	33,003	70,690	64,575	9.5
Illinois	7,782	8,071	7,636	15,853	14,435	9.8
Indiana	12,167	12,776	11,226	24,942	22,377	11.5
Michigan	6,221	6,345	6,175	12,566	11,570	8.6
Ohio	3,970	4,382	3,426	8,352	7,101	17.6
Wisconsin	3,831	5,145	4,539	8,977	9,093	-1.3
West North Central Total	20,412	23,328	20,991	43,740	43,011	1.7
Iowa	4,803	4,935	4,233	9,738	8,136	19.7
Kansas	4,086	3,871	4,567	7,957	9,247	-14.0
Minnesota	4,268	5,034	4,568	9,302	9,658	-3.7
Missouri	4,306	5,629	5,154	9,935	10,170	-2.3
Nebraska	2,422	2,994	1,701	5,416	4,156	30.3
North Dakota	85	270	106	355	402	-11.7
South Dakota	441	595	662	1,036	1,243	-16.6
South Atlantic Total	27,801	28,770	31,014	56,571	58,374	-3.1
Delaware	381	438	483	820	1,089	-24.8
District of Columbia	-	-	7	-	22	-
Florida	3,433	3,303	3,298	6,736	5,913	13.9
Georgia	6,887	7,511	7,249	14,398	13,153	9.5
Maryland	1,933	2,148	2,194	4,081	4,095	-.4
North Carolina	5,895	5,849	6,725	11,744	13,017	-9.8
South Carolina	2,645	2,998	3,278	5,643	6,309	-10.6
Virginia	3,273	3,190	3,752	6,463	7,066	-8.5
West Virginia	3,354	3,333	4,027	6,686	7,709	-13.3
East South Central Total	11,179	10,914	9,517	22,093	19,665	12.3
Alabama	3,605	3,595	2,738	7,200	5,208	38.3
Kentucky	3,121	3,120	3,070	6,242	6,069	2.9
Mississippi	587	767	543	1,354	1,131	19.7
Tennessee	3,865	3,431	3,165	7,297	7,257	.5
West South Central Total	24,305	24,489	24,736	48,795	49,638	-1.7
Arkansas	3,397	3,296	3,131	6,694	6,165	8.6
Louisiana	1,221	1,125	975	2,346	2,207	6.3
Oklahoma	5,029	5,089	4,572	10,118	9,315	8.6
Texas	14,659	14,979	16,058	29,637	31,952	-7.2
Mountain Total	14,821	16,018	15,550	30,839	31,419	-1.8
Arizona	3,905	4,423	4,540	8,328	8,935	-6.8
Colorado	3,166	3,289	3,074	6,455	6,432	.4
Idaho	77	67	94	143	181	-20.7
Montana	810	187	122	998	283	253.1
Nevada	621	643	801	1,264	1,517	-16.7
New Mexico	2,037	2,351	2,116	4,388	4,313	1.7
Utah	1,622	1,752	1,871	3,375	3,625	-6.9
Wyoming	2,583	3,305	2,933	5,887	6,133	-4.0
Pacific Total	2,384	1,797	1,653	4,180	3,461	20.8
Alaska	111	171	89	282	251	12.1
California	618	711	741	1,329	1,475	-9.9
Oregon	161	574	515	735	1,120	-34.4
Washington	1,494	340	309	1,834	614	198.5
U.S. Total	142,262	149,590	145,108	291,852	286,470	1.9
Method of Transportation: River						
Middle Atlantic Total	4,270	4,434	4,718	8,704	9,077	-4.1
New Jersey	91	120	71	211	95	120.6
New York	115	100	190	215	391	-44.9
Pennsylvania	4,064	4,214	4,458	8,278	8,591	-3.6
East North Central Total	7,921	8,311	11,506	16,232	19,672	-17.5
Illinois	560	747	925	1,306	1,662	-21.4

See footnotes at end of table.

Table 12. Domestic Distribution of U.S. Coal by Method of Transportation and Destination State (Continued)
(Thousand Short Tons)

Census Division and State of Destination	April- June 1995	January- March 1995	April- June 1994	Year to Date		
				1995	1994	Percent Change
Method of Transportation: River (Continued)						
Indiana	712	869	2,767	1,581	4,613	-65.7
Michigan	226	81	334	307	522	-41.1
Ohio	5,918	6,444	7,146	12,362	12,438	-.6
Wisconsin	505	170	335	676	436	55.0
West North Central Total	3,298	2,798	1,906	6,095	3,648	67.1
Iowa	608	289	713	896	796	12.6
Minnesota	33	77	28	110	39	180.0
Missouri	2,658	2,431	1,163	5,089	2,811	81.0
North Dakota	-	*	-	*	-	-
South Dakota	-	*	2	*	2	-86.4
South Atlantic Total	4,163	5,280	5,905	9,443	11,552	-18.3
Delaware	19	28	23	47	37	27.9
Florida	1,621	1,975	2,044	3,595	3,993	-9.9
Georgia	2	5	1,286	7	2,538	-99.7
Maryland	-	2	-	2	-	-
North Carolina	-	-	6	-	6	-
Virginia	4	17	3	21	3	NM
West Virginia	2,517	3,254	2,544	5,771	4,977	16.0
East South Central Total	8,602	9,113	9,097	17,715	16,687	6.2
Alabama	1,761	1,608	2,416	3,370	4,453	-24.3
Kentucky	3,250	2,965	2,643	6,215	5,232	18.8
Mississippi	376	494	423	870	638	36.4
Tennessee	3,214	4,046	3,615	7,260	6,364	14.1
West South Central Total	1,685	1,610	1,735	3,295	3,190	3.3
Louisiana	1,677	1,602	1,716	3,279	3,165	3.6
Oklahoma	7	7	18	14	24	-40.7
Texas	2	-	1	2	1	173.3
U.S. Total	29,938	31,545	34,868	61,484	63,826	-3.7
Method of Transportation: Great Lakes						
East North Central Total	3,083	1,720	2,907	4,804	4,049	18.7
Illinois	-	5	-	5	-	-
Indiana	80	-	66	80	66	21.3
Michigan	2,233	1,571	2,158	3,805	2,954	28.8
Ohio	210	46	154	256	287	-10.6
Wisconsin	560	98	529	658	741	-11.3
West North Central Total	94	18	202	112	202	-44.6
Minnesota	94	18	202	112	202	-44.6
U.S. Total	3,177	1,738	3,109	4,916	4,250	15.6
Method of Transportation: Tidewater						
New England Total	911	657	442	1,568	835	87.7
Connecticut	322	165	242	487	393	23.8
Maine	50	73	91	123	183	-32.5
Massachusetts	539	418	108	958	259	269.1
Middle Atlantic Total	328	79	16	407	110	269.8
New Jersey	328	56	16	384	82	369.5
Pennsylvania	-	23	-	23	28	-17.9
South Atlantic Total	596	804	950	1,399	1,815	-22.9
Florida	351	684	818	1,035	1,400	-26.1
Maryland	245	120	90	364	373	-2.2
Virginia	-	*	42	*	42	-99.4
East South Central Total	-	*	58	*	69	-99.7
Mississippi	-	*	58	*	69	-99.7
West South Central Total	-	-	16	-	16	-
Louisiana	-	-	16	-	16	-
U.S. Total	1,834	1,540	1,483	3,374	2,845	18.6
Method of Transportation: Truck						
New England Total	55	9	25	64	42	51.2
Connecticut	32	2	22	34	26	30.5
Maine	20	1	*	21	2	NM
Massachusetts	2	5	2	7	10	-31.8

See footnotes at end of table.

Table 12. Domestic Distribution of U.S. Coal by Method of Transportation and Destination State (Continued)
(Thousand Short Tons)

Census Division and State of Destination	April- June 1995	January- March 1995	April- June 1994	Year to Date		
				1995	1994	Percent Change
Method of Transportation: Truck (Continued)						
New Hampshire	*	1	*	1	2	-45.0
Rhode Island	-	*	-	*	1	-68.9
Vermont	*	*	*	1	1	-39.1
Middle Atlantic Total	4,120	4,143	3,965	8,262	7,783	6.2
New Jersey	3	5	42	8	62	-87.2
New York	157	200	178	357	447	-20.2
Pennsylvania	3,959	3,938	3,745	7,898	7,275	8.6
East North Central Total	4,987	5,721	6,451	10,708	13,464	-20.5
Illinois	1,121	1,139	1,320	2,261	2,800	-19.3
Indiana	1,636	2,061	2,049	3,697	4,274	-13.5
Michigan	146	182	161	328	316	3.8
Ohio	2,080	2,329	2,916	4,410	6,060	-27.2
Wisconsin	3	9	5	13	14	-9.8
West North Central Total	1,324	1,427	1,646	2,751	3,294	-16.5
Iowa	43	43	46	86	116	-25.6
Kansas	64	75	79	139	127	9.4
Minnesota	2	2	15	4	25	-83.6
Missouri	282	260	273	543	568	-4.5
Nebraska	-	*	-	*	*	NM
North Dakota	804	922	1,113	1,726	2,212	-22.0
South Dakota	128	125	121	253	247	2.3
South Atlantic Total	1,695	1,730	1,752	3,425	3,857	-11.2
Delaware	3	4	3	7	14	-48.7
District of Columbia	-	*	-	*	7	-95.9
Florida	323	2	1	325	19	NM
Georgia	109	44	51	153	117	30.6
Maryland	165	175	130	340	300	13.3
North Carolina	61	67	101	128	267	-52.0
South Carolina	29	43	40	72	70	3.7
Virginia	178	199	252	376	485	-22.5
West Virginia	828	1,195	1,175	2,023	2,578	-21.5
East South Central Total	4,762	4,944	5,508	9,706	11,096	-12.5
Alabama	1,797	1,751	2,359	3,548	4,662	-23.9
Kentucky	2,456	2,910	2,898	5,365	5,920	-9.4
Mississippi	134	20	40	155	62	150.7
Tennessee	376	263	211	638	452	41.3
West South Central Total	3,766	4,127	4,283	7,893	8,355	-5.5
Arkansas	49	56	58	105	107	-1.4
Louisiana	226	193	174	419	408	2.6
Oklahoma	432	373	405	805	747	7.8
Texas	3,059	3,505	3,647	6,564	7,093	-7.5
Mountain Total	3,144	4,994	4,502	8,138	9,544	-14.7
Arizona	2	*	40	3	40	-93.2
Colorado	1,059	1,271	1,022	2,330	2,208	5.5
Idaho	15	25	25	40	58	-31.5
Montana	41	99	74	140	181	-22.6
Nevada	38	27	37	64	80	-19.5
New Mexico	32	1,270	1,416	1,302	2,875	-54.7
Utah	1,320	1,383	1,396	2,704	2,677	1.0
Wyoming	636	919	492	1,555	1,424	9.2
Pacific Total	91	82	71	173	150	14.9
Alaska	59	58	53	116	100	16.2
California	*	*	*	*	13	-98.5
Oregon	-	*	-	*	*	NM
Washington	32	24	18	56	37	50.8
U.S. Total	23,944	27,176	28,204	51,120	57,586	-11.2
Method of Transportation: Tramway, Conveyor and Slurry Pipeline						
Middle Atlantic Total	1,391	1,169	1,588	2,560	3,132	-18.3
Pennsylvania	1,391	1,169	1,588	2,560	3,132	-18.3
East North Central Total	1,385	1,424	2,176	2,809	4,000	-29.8
Illinois	-	-	637	-	1,305	-
Indiana	182	211	92	393	263	49.4
Ohio	1,203	1,213	1,447	2,415	2,432	-7
West North Central Total	5,521	6,590	5,600	12,111	11,778	2.8
North Dakota	5,521	6,590	5,600	12,111	11,778	2.8
South Atlantic Total	1,458	1,712	1,992	3,170	4,010	-21.0

See footnotes at end of table.

Table 12. Domestic Distribution of U.S. Coal by Method of Transportation and Destination State (Continued)
(Thousand Short Tons)

Census Division and State of Destination	April- June 1995	January- March 1995	April- June 1994	Year to Date		
				1995	1994	Percent Change
Method of Transportation: Tramway, Conveyor and Slurry Pipeline (Continued)						
Virginia	243	235	283	477	521	-8.3
West Virginia	1,215	1,477	1,709	2,692	3,489	-22.8
East South Central Total	262	331	402	593	842	-29.5
Alabama	262	331	402	593	839	-29.3
Kentucky	-	-	-	-	3	-
West South Central Total	4,934	4,993	4,713	9,927	10,033	-1.1
Louisiana	698	586	586	1,284	1,235	4.0
Texas	4,236	4,407	4,127	8,642	8,798	-1.8
Mountain Total	7,452	7,599	6,243	15,051	13,858	8.6
Montana	1,477	2,666	1,828	4,142	4,470	-7.3
Nevada	1,304	1,040	996	2,345	2,072	13.1
New Mexico	1,133	-	-	1,133	-	-
Utah	838	914	881	1,752	1,791	-2.2
Wyoming	2,700	2,979	2,538	5,680	5,525	2.8
Pacific Total	1,149	948	1,192	2,097	2,395	-12.4
Washington	1,149	948	1,192	2,097	2,395	-12.4
U.S. Total	23,551	24,766	23,905	48,318	50,048	-3.5

* Quantity is less than 500 short tons or percent is less than .05.

** Not meaningful as value is greater than or equal to 500.

Notes: Total may not equal sum of components because of independent rounding. Methods of transportation do not sum to total distribution due to unknown methods of transportation.

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

Table 13. Coke and Breeze Distributed by Coke Plants
(Thousand Short Tons)

	April - June 1995			January - March 1995	April - June 1994	Year to Date		
	Used By Producing Companies	Commercial Sales	Total			1995	1994	Percent Change
Coke Total	4,439	2,484	6,923	7,028	7,339	13,951	15,025	-7.1
By Consumer Category								
Blast Furnaces	4,398	2,015	6,413	6,495	6,798	12,907	13,960	-7.5
Foundries	23	334	357	378	374	735	751	-2.1
Other Industrial Plants	19	135	154	154	167	308	314	-1.8
By Plant Type								
Merchant Coke Plants	-	802	802	853	874	1,655	1,735	-4.6
Furnace Coke Plants	4,439	1,682	6,122	6,174	6,465	12,296	13,290	-7.5
Breeze Total	166	238	404	416	441	819	923	-11.2

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

This bulkloader, at a coal export terminal in the Port of Los Angeles, is capable of handling 10 million tons of coal a year.

Table 14. U.S. Coal Exports and Imports, 1987-1995
(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
1987	16,576	331	20,113	483	21,033	475	21,885	459	79,607	1,747
1988	16,061	542	24,900	587	27,691	437	26,371	567	95,023	2,134
1989	21,429	531	28,445	687	23,991	925	26,949	708	100,815	2,851
1990	22,383	735	27,733	674	29,497	514	26,191	776	105,804	2,699
1991	22,318	938	26,214	730	31,197	984	29,239	738	108,969	3,390
1992	24,731	679	27,010	1,043	26,481	882	24,294	1,199	102,516	3,803
1993	18,870	1,213	19,946	1,093	18,522	2,142	17,181	2,861	74,519	7,309
1994	14,877	1,850	17,940	1,577	19,704	2,304	18,838	1,853	71,359	7,584
1995	18,988	1,795	23,184	1,609	NA	NA	NA	NA	42,172	3,405

^{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 15. Average Price of U.S. Coal Exports and Imports, 1987-1995
(Dollars per Short Ton)

Year	January - March		April - June		July - September		October - December		Total	
	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports
1987	\$44.79	\$35.04	\$43.20	\$31.69	\$42.01	\$31.94	\$41.59	\$30.35	\$42.77	\$32.04
1988	42.05	28.94	42.62	33.74	41.84	26.77	42.38	29.47	42.23	29.96
1989	42.27	33.65	42.47	34.19	42.61	34.92	42.69	33.44	42.52	34.14
1990	43.23	35.07	42.51	33.67	42.22	32.05	42.68	36.14	42.63	34.45
1991	44.58	33.71	42.97	34.60	41.51	31.45	41.15	33.16	42.39	33.12
1992	42.28	33.63	41.34	32.96	40.70	34.43	41.07	33.08	41.34	33.46
1993	42.46	30.70	41.42	32.26	40.72	29.52	41.00	28.91	41.41	29.89
1994	41.89	28.86	40.01	28.73	38.86	30.92	39.43	31.93	39.93	30.21
1995	39.90	32.33	39.59	36.16	NA	NA	NA	NA	NA	NA

^{NA} Not available.

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

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

Figure 7. Quarterly U.S. Coal Exports and Imports, 1987-1995

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 16. U.S. Coal Exports
(Short Tons)

Continent and Country of Destination	April - June 1995	January - March 1995	April - June 1994	Year to date		
				1995	1994	Percent Change
North America Total	3,683,249	405,041	2,562,919	4,088,290	2,823,277	44.8
Canada ¹	3,573,990	314,297	2,498,400	3,888,287	2,630,518	47.8
Mexico	103,977	76,856	51,210	180,833	159,375	13.5
Other ²	5,282	13,888	13,309	19,170	33,384	-42.6
South America Total	1,764,999	1,339,120	1,375,288	3,104,119	2,810,336	10.5
Argentina	132,485	70,180	141,017	202,665	248,581	-18.5
Brazil	1,605,623	1,259,849	1,227,094	2,865,472	2,554,003	12.2
Other ²	26,891	9,091	7,177	35,982	7,752	364.2
Europe Total	11,651,459	11,667,295	8,796,113	23,318,754	17,331,511	34.5
Belgium & Luxembourg	769,421	1,348,205	1,208,299	2,117,626	2,466,940	-14.2
Bulgaria	337,414	336,302	292,537	673,716	463,095	45.5
Denmark	824,626	441,572	79,997	1,266,198	79,997	(³)
Finland	234,995	65,947	86,090	300,942	154,236	95.1
France	891,378	827,188	783,496	1,718,566	1,487,220	15.6
Germany, FR	480,011	347,556	143,598	827,567	235,428	251.5
Ireland	289,315	250,312	254,252	539,627	496,096	8.8
Italy	2,617,801	2,165,455	1,891,225	4,783,256	3,682,712	29.9
Netherlands	1,461,302	2,239,121	943,957	3,700,423	2,179,631	69.8
Norway	27,798	29,398	22,615	57,196	34,900	63.9
Portugal	364,928	372,222	257,395	737,150	500,256	47.4
Romania	314,138	646,844	313,048	960,982	480,404	100.0
Spain	1,315,989	1,123,699	1,230,606	2,439,688	2,451,587	-5
Sweden	202,797	210,424	159,278	413,221	311,437	32.7
Turkey	394,743	465,028	435,232	859,771	712,440	20.7
United Kingdom	1,117,900	789,852	694,488	1,907,752	1,595,013	19.6
Other ²	6,903	8,170	-	15,073	119	(³)
Asia Total	5,270,102	5,073,865	4,651,673	10,343,967	8,764,099	18.0
China (Taiwan)	500,705	882,745	1,135,634	1,383,450	1,768,655	-21.8
Israel	124,833	246,928	243,950	371,761	367,518	1.2
Japan	3,498,118	3,127,693	2,208,561	6,625,811	4,703,761	40.9
Korea, Republic of	1,146,249	816,445	1,062,281	1,962,694	1,922,522	2.1
Other ²	197	54	1,247	251	1,643	-84.7
Oceania & Australia Total	75	-	522	75	522	-85.6
Africa Total	813,801	502,588	553,133	1,316,389	1,087,192	21.1
Algeria	-	55,073	62,513	55,073	172,513	-68.1
Egypt	228,653	245,702	355,682	474,355	594,897	-20.3
Morocco	422,929	-	-	422,929	42,114	(³)
South Africa, Rep of	162,219	201,813	134,938	364,032	277,668	31.1
Total	23,183,685	18,987,909	17,939,648	42,171,594	32,816,937	28.5

¹ 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.

² Includes countries with exports less than or equal to 50,000 short tons in 1994.

³ 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 17. Average Price of U.S. Coal Exports
(Dollars per Short Ton)

Continent and Country of Destination	April - June 1995	January - March 1995	April - June 1994	Year to date		
				1995	1994	Percent Change
North America Total	\$33.08	\$37.62	\$32.29	\$33.56	\$32.97	1.8
Canada ¹	32.71	36.03	32.01	32.99	32.20	2.5
Mexico	47.16	44.81	44.56	46.07	44.10	4.5
Other ²	35.56	33.92	33.22	34.39	35.33	-2.7
South America Total	43.07	42.43	42.59	42.79	42.15	1.5
Argentina	44.73	40.68	43.00	43.09	42.78	.7
Brazil	42.89	42.54	42.55	42.73	42.09	1.5
Other ²	47.24	38.58	40.82	46.44	40.84	13.7
Europe Total	42.33	41.41	42.74	41.86	43.25	-3.2
Belgium & Luxembourg	42.39	42.75	42.59	42.62	43.24	-1.4
Bulgaria	44.77	42.51	42.59	43.64	42.35	3.0
Denmark	32.57	30.53	29.23	31.85	29.23	9.0
Finland	39.74	44.59	42.59	40.80	42.36	-3.7
France	44.64	44.95	43.99	44.79	44.43	.8
Germany, FR	32.16	34.36	45.17	33.08	45.61	-27.5
Ireland	36.74	35.00	33.48	35.93	33.41	7.5
Italy	44.15	42.11	43.59	43.23	43.85	-1.4
Netherlands	42.76	40.18	42.56	41.20	43.21	-4.6
Portugal	37.86	36.14	34.16	36.99	35.43	4.4
Romania	44.56	42.02	39.06	42.81	37.54	14.0
Spain	45.87	46.40	46.66	46.20	46.89	-1.5
Sweden	48.80	43.93	45.58	46.32	45.58	1.6
Turkey	42.38	40.92	41.54	41.59	41.74	-.4
United Kingdom	45.77	44.27	44.73	45.10	45.19	-.2
Other ²	-	-	-	-	40.76	-
Asia Total	38.97	37.64	39.16	38.32	39.68	-3.4
China (Taiwan)	33.71	37.71	38.43	36.26	38.34	-5.4
Israel	35.47	33.36	34.68	34.07	34.30	-.7
Japan	39.56	36.88	40.08	38.29	40.44	-5.3
Korea, Republic of	39.87	42.01	39.07	40.75	40.10	1.6
Other ²	34.33	-	34.86	34.33	35.78	-4.1
Oceania & Australia Total	-	-	39.99	-	39.99	-
Africa Total	37.64	45.89	42.85	41.21	43.00	-4.2
Algeria	-	45.42	43.79	45.42	43.37	4.7
Egypt	46.13	46.20	41.46	46.19	42.07	9.8
Morocco	33.29	-	-	33.29	34.25	-2.8
South Africa, Rep of	45.09	45.65	46.07	45.40	46.08	-1.5
Total	39.97	40.48	40.36	40.21	41.31	-2.7
U.S. Total³	39.59	39.90	40.01	39.73	40.86	-2.8

¹ 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.

² Includes countries with exports less than or equal to 50,000 short tons in 1994.

³ U.S. Total is the average price of all coal exports.

Notes: Total may not equal sum of components because of independent rounding. Average price is based on the free alongside ship (f.a.s.) value.
Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 545."

Table 18. U.S. Steam Coal Exports
(Short Tons)

Continent and Country of Destination	April - June 1995	January - March 1995	April - June 1994	Year to date		
				1995	1994	Percent Change
North America Total	2,405,274	69,927	1,217,905	2,475,201	1,263,571	95.9
Canada ¹	2,372,318	51,235	1,200,548	2,423,553	1,214,774	99.5
Mexico	27,674	4,804	4,048	32,478	15,413	110.7
Other ²	5,282	13,888	13,309	19,170	33,384	-42.6
South America Total	28,086	14,567	8,261	42,653	11,913	258.0
Argentina	1,171	2,169	1,084	3,340	1,235	170.4
Brazil	24	3,307	-	3,331	2,926	13.8
Other ²	26,891	9,091	7,177	35,982	7,752	364.2
Europe Total	5,009,070	4,961,447	2,438,269	9,970,517	4,266,081	133.7
Belgium & Luxembourg	208,999	307,303	291,645	516,302	422,072	22.3
Denmark	824,626	441,572	79,997	1,266,198	79,997	(³)
France	14,000	65	25	14,065	173	(³)
Germany, FR	451,297	292,985	1,190	744,282	13,667	(³)
Ireland	289,315	250,312	254,252	539,627	496,096	8.8
Italy	1,288,835	1,192,215	516,544	2,481,050	878,958	182.3
Netherlands	575,243	1,134,316	249,098	1,709,559	481,654	254.9
Norway	-	3,687	-	3,687	-	-
Portugal	364,928	372,222	257,395	737,150	500,256	47.4
Romania	-	299,059	313,048	299,059	407,667	-26.6
Spain	749,256	600,846	475,075	1,350,102	904,950	49.2
Turkey	-	460	-	460	-	-
United Kingdom	242,571	66,405	-	308,976	80,472	284.0
Other ²	-	-	-	-	119	-
Asia Total	1,959,925	2,228,378	2,174,931	4,188,303	3,805,718	10.1
China (Taiwan)	500,705	754,154	1,135,634	1,254,859	1,750,211	-28.3
Israel	124,833	246,928	243,950	371,761	367,518	1.2
Japan	880,474	1,056,365	379,588	1,936,839	1,004,847	92.7
Korea, Republic of	453,716	170,877	414,512	624,593	681,499	-8.4
Other ²	197	54	1,247	251	1,643	-84.7
Oceania & Australia Total	75	-	522	75	522	-85.6
Africa Total	423,233	-	-	423,233	42,114	(³)
Morocco	422,929	-	-	422,929	42,114	(³)
South Africa, Rep of	304	-	-	304	-	-
Total	9,825,663	7,274,319	5,839,888	17,099,982	9,389,919	82.1

¹ 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.

² Includes countries with exports less than or equal to 50,000 short tons in 1994.

³ 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 19. Average Price of U.S. Steam Coal Exports
(Dollars per Short Ton)

Continent and Country of Destination	April - June 1995	January - March 1995	April - June 1994	Year to date		
				1995	1994	Percent Change
North America Total	\$30.81	\$39.03	\$29.25	\$31.02	\$29.61	4.7
Canada ¹	30.76	40.69	29.15	30.95	29.25	5.8
Mexico	38.71	39.96	40.59	38.89	41.77	-6.9
Other ²	35.56	33.92	33.22	34.39	35.33	-2.7
South America Total	46.75	36.76	36.64	45.25	37.52	20.6
Argentina	34.46	34.45	34.46	34.45	34.46	*
Other ²	47.24	38.58	40.82	46.44	40.84	13.7
Europe Total	37.54	36.36	35.79	36.93	36.07	2.4
Belgium & Luxembourg	34.10	36.00	33.51	35.23	33.61	4.8
Denmark	32.57	30.53	29.23	31.85	29.23	9.0
France	41.52	-	-	41.52	40.54	2.4
Germany, FR	31.17	32.43	-	31.67	45.17	-29.9
Ireland	36.74	35.00	33.48	35.93	33.41	7.5
Italy	42.46	39.49	38.33	41.03	38.51	6.6
Netherlands	37.85	35.46	35.24	36.27	35.04	3.5
Portugal	37.86	36.14	34.16	36.99	35.43	4.4
Romania	-	39.08	39.06	39.08	37.54	4.1
Spain	40.78	40.80	40.82	40.78	40.41	.9
Turkey	-	39.84	-	39.84	-	-
United Kingdom	37.11	37.94	-	37.44	46.46	-19.4
Other ²	-	-	-	-	40.76	-
Asia Total	33.74	34.54	35.93	34.16	35.82	-4.6
China (Taiwan)	33.71	36.90	38.43	35.63	38.30	-7.0
Israel	35.47	33.36	34.68	34.07	34.30	-.7
Japan	34.81	33.61	32.74	34.15	34.25	-.3
Korea, Republic of	30.97	30.80	32.55	30.93	32.53	-4.9
Other ²	34.33	-	34.86	34.33	35.78	-4.1
Oceania & Australia Total	-	-	39.99	-	39.99	-
Africa Total	33.29	-	-	33.29	34.25	-2.8
Morocco	33.29	-	-	33.29	34.25	-2.8
South Africa, Rep of	39.80	-	-	39.80	-	-
Total	34.84	35.77	34.60	35.25	35.15	.3
U.S. Total³	34.02	34.65	34.21	34.29	34.23	.2

¹ 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.

² Includes countries with exports less than or equal to 50,000 short tons in 1994.

³ 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 20. U.S. Metallurgical Coal Exports
(Short Tons)

Continent and Country of Destination	April - June 1995	January - March 1995	April - June 1994	Year to date		
				1995	1994	Percent Change
North America Total	1,277,975	335,114	1,345,014	1,613,089	1,559,706	3.4
Canada ¹	1,201,672	263,062	1,297,852	1,464,734	1,415,744	3.5
Mexico	76,303	72,052	47,162	148,355	143,962	3.1
South America Total	1,736,913	1,324,553	1,367,027	3,061,466	2,798,423	9.4
Argentina	131,314	68,011	139,933	199,325	247,346	-19.4
Brazil	1,605,599	1,256,542	1,227,094	2,862,141	2,551,077	12.2
Europe Total	6,642,389	6,705,848	6,357,844	13,348,237	13,065,430	2.2
Belgium & Luxembourg	560,422	1,040,902	916,654	1,601,324	2,044,868	-21.7
Bulgaria	337,414	336,302	292,537	673,716	463,095	45.5
Finland	234,995	65,947	86,090	300,942	154,236	95.1
France	877,378	827,123	783,471	1,704,501	1,487,047	14.6
Germany, FR	28,714	54,571	142,408	83,285	221,761	-62.4
Italy	1,328,966	973,240	1,374,681	2,302,206	2,803,754	-17.9
Netherlands	886,059	1,104,805	694,859	1,990,864	1,697,977	17.2
Norway	27,798	25,711	22,615	53,509	34,900	53.3
Romania	314,138	347,785	-	661,923	72,737	(²)
Spain	566,733	522,853	755,531	1,089,586	1,546,637	-29.6
Sweden	202,797	210,424	159,278	413,221	311,437	32.7
Turkey	394,743	464,568	435,232	859,311	712,440	20.6
United Kingdom	875,329	723,447	694,488	1,598,776	1,514,541	5.6
Other ³	6,903	8,170	-	15,073	-	-
Asia Total	3,310,177	2,845,487	2,476,742	6,155,664	4,958,381	24.1
China (Taiwan)	-	128,591	-	128,591	18,444	(²)
Japan	2,617,644	2,071,328	1,828,973	4,688,972	3,698,914	26.8
Korea, Republic of	692,533	645,568	647,769	1,338,101	1,241,023	7.8
Africa Total	390,568	502,588	553,133	893,156	1,045,078	-14.5
Algeria	-	55,073	62,513	55,073	172,513	-68.1
Egypt	228,653	245,702	355,682	474,355	594,897	-20.3
South Africa, Rep of	161,915	201,813	134,938	363,728	277,668	31.0
Total	13,358,022	11,713,590	12,099,760	25,071,612	23,427,018	7.0

¹ 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.

² Changes of 500 percent or more are not shown.

³ Includes countries with exports less than or equal to 50,000 short tons in 1994.

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 21. Average Price of U.S. Metallurgical Coal Exports
(Dollars per Short Ton)

Continent and Country of Destination	April - June 1995	January - March 1995	April - June 1994	Year to date		
				1995	1994	Percent Change
North America Total	\$36.71	\$37.39	\$34.50	\$36.85	\$35.14	4.9
Canada ¹	35.98	35.34	34.12	35.87	34.21	4.8
Mexico	48.08	44.91	44.85	46.54	44.32	5.0
South America Total	43.01	42.45	42.60	42.76	42.16	1.4
Argentina	44.84	40.88	43.06	43.26	42.82	1.0
Brazil	42.89	42.54	42.55	42.73	42.09	1.5
Europe Total	45.35	44.61	44.90	44.97	45.11	-3
Belgium & Luxembourg	45.48	44.74	45.48	45.00	45.23	-5
Bulgaria	44.77	42.51	42.59	43.64	42.35	3.0
Finland	39.74	44.59	42.59	40.80	42.36	-3.7
France	44.69	44.95	43.99	44.82	44.43	.9
Germany, FR	47.72	44.68	45.17	45.73	45.64	.2
Italy	45.79	45.32	45.57	45.59	45.52	.2
Netherlands	45.94	44.98	45.19	45.41	45.54	-3
Romania	44.56	44.55	-	44.56	-	-
Spain	47.02	46.41	46.67	46.61	46.90	-6
Sweden	48.80	43.93	45.58	46.32	45.58	1.6
Turkey	42.38	40.92	41.54	41.59	41.74	-4
United Kingdom	46.66	44.79	44.73	45.81	45.12	1.5
Asia Total	42.01	40.04	41.96	41.10	42.62	-3.6
China (Taiwan)	-	42.47	-	42.47	42.26	.5
Japan	41.16	38.54	41.50	40.00	42.09	-5.0
Korea, Republic of	45.23	44.34	43.24	44.80	44.23	1.3
Africa Total	45.42	45.89	42.85	45.74	43.35	5.5
Algeria	-	45.42	43.79	45.42	43.37	4.7
Egypt	46.13	46.20	41.46	46.19	42.07	9.8
South Africa, Rep of	45.10	45.65	46.07	45.40	46.08	-1.5
Total	43.31	43.10	42.78	43.21	43.48	-6
U.S. Total²	43.69	43.16	42.81	43.44	43.52	-2

¹ 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.

² U.S. Total is the average price of all coal exports.

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

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

Table 22. Coal Exports by Customs District
(Short Tons)

Customs District	April - June 1995	January - March 1995	April - June 1994	Year to date		
				1995	1994	Percent Change
Eastern Total	13,589,680	13,175,954	10,763,449	26,765,634	20,767,216	28.9
Baltimore, MD	2,403,895	3,242,506	1,876,574	5,646,401	3,120,739	80.9
Portland, ME	130	44	345	174	345	-49.6
Buffalo, NY	358,863	32,728	9,213	391,591	12,622	(¹)
New York City, NY	69,216	17,497	111	86,713	406	(¹)
Ogdensburg, NY	41,969	471	143,342	42,440	144,720	-70.7
Philadelphia, PA	85,820	2,201	597	88,021	1,588	(¹)
Norfolk, VA	10,629,787	9,880,478	8,733,241	20,510,265	17,486,718	17.3
St. Albans, VT	-	29	26	29	78	-62.8
Southern Total	5,154,081	4,268,456	3,924,770	9,422,537	7,852,275	20.0
Mobile, AL	2,578,710	1,567,136	1,201,013	4,145,846	2,905,530	42.7
Savannah, GA	1,084	1,627	-	2,711	-	-
Miami, FL	44	125	1,084	169	1,084	-84.4
Tampa, FL	-	542	-	542	151	258.9
New Orleans, LA	2,486,755	2,532,012	2,587,649	5,018,767	4,610,292	8.9
San Juan, PR	22	41	-	63	558	-88.7
Charleston, SC	34,701	102,372	130,639	137,073	273,708	-49.9
Houston-Galveston, TX	25,979	60,219	825	86,198	46,027	87.3
Laredo, TX	26,786	4,382	3,560	31,168	14,925	108.8
Western Total	1,360,255	1,259,705	905,179	2,619,960	1,721,750	52.2
Anchorage, AK	268,392	133,972	268,957	402,364	482,219	-16.6
Los Angeles, CA	1,054,802	1,088,544	592,665	2,143,346	1,178,245	81.9
San Diego, CA	-	69	585	69	585	-88.2
San Francisco, CA	374	-	961	374	961	-61.1
Great Falls, MT	-	-	-	-	621	-
Seattle, WA	36,687	37,120	42,011	73,807	59,119	24.8
Northern Total	3,071,744	276,861	2,341,267	3,348,605	2,467,076	35.7
Detroit, MI	897,880	64,550	262,940	962,430	268,155	258.9
Duluth, MN	28,022	59,373	37,819	87,395	37,819	131.1
Pembina, ND	12,956	5,741	2,445	18,697	5,147	263.3
Cleveland, OH	2,132,886	147,197	2,038,063	2,280,083	2,155,955	5.8
Other Ports	7,925	6,933	4,983	14,858	8,620	72.4
Total	23,183,685	18,987,909	17,939,648	42,171,594	32,816,937	28.5

¹ 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 23. U.S. Coke Exports
(Short Tons)

Continent and Country of Destination	April - June 1995	January - March 1995	April - June 1994	Year to date		
				1995	1994	Percent Change
North America Total	162,059	92,304	133,128	254,343	176,314	44.3
Canada ¹	148,845	75,082	97,915	223,927	113,415	97.4
Mexico	11,786	16,488	34,320	28,274	60,779	-53.5
Other ²	1,428	734	893	2,162	2,120	2.0
South America Total	20,633	40,971	-	61,604	23,284	164.6
Europe Total	4,761	2,046	48,861	6,807	80,913	-91.6
Other ²	4,761	2,046	48,861	6,807	80,913	-91.6
Total	187,453	135,358	181,989	322,811	280,511	15.1

¹ 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.

² Includes countries with exports less than or equal to 50,000 short tons in 1994.

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 24. U.S. Coal Imports
(Short Tons)

Continent and Country of Origin	April - June 1995	January - March 1995	April - June 1994	Year to date		
				1995	1994	Percent Change
North America Total	377,187	222,157	320,315	599,344	539,590	11.1
Canada	352,510	222,018	320,315	574,528	539,502	6.5
Mexico	21	139	-	160	88	81.8
Netherlands Antilles	24,656	-	-	24,656	-	-
South America Total	941,980	1,275,416	897,596	2,217,396	2,277,556	-2.6
Colombia	453,809	782,408	640,153	1,236,217	1,760,675	-29.8
Venezuela	488,171	493,008	257,443	981,179	516,881	89.8
Europe Total	-	236	-	236	-	-
Denmark	-	236	-	236	-	-
Asia Total	175,593	253,764	195,011	429,357	412,039	4.2
China (Mainland)	-	-	111	-	111	-
Indonesia	175,593	253,738	194,900	429,331	411,928	4.2
Japan	-	26	-	26	-	-
Oceania & Australia Total	114,713	43,684	33,940	158,397	60,947	159.9
Australia	72,274	43,684	33,940	115,958	60,947	90.3
New Zealand	42,439	-	-	42,439	-	-
Africa Total	-	-	129,653	-	136,357	-
South Africa, Rep of	-	-	129,653	-	129,653	-
Swaziland	-	-	-	-	6,704	-
Total	1,609,473	1,795,257	1,576,515	3,404,730	3,426,489	-6

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 25. Average Price of U.S. Coal Imports
(Dollars per Short Ton)

Continent and Country of Origin	April - June 1995	January - March 1995	April - June 1994	Year to date		
				1995	1994	Percent Change
North America Total	\$33.67	\$27.14	\$27.43	\$31.53	\$26.08	20.9
Canada	33.67	27.14	27.43	31.53	26.08	20.9
South America Total	33.97	31.58	27.73	32.59	27.70	17.7
Colombia	31.19	30.67	27.61	30.86	27.55	12.0
Venezuela	36.56	33.01	28.03	34.77	28.24	23.2
Asia Total	41.79	32.27	35.17	36.17	35.96	.6
Indonesia	41.79	32.27	35.17	36.17	35.96	.6
Oceania & Australia Total	35.87	31.49	26.75	34.67	29.12	19.0
Australia	29.68	31.49	26.75	30.36	29.12	4.3
New Zealand	46.42	-	-	46.42	-	-
Africa Total	-	-	23.30	-	23.30	-
South Africa, Rep of	-	-	23.30	-	23.30	-
Total¹	34.94	31.28	28.23	33.01	28.33	16.5
U.S. Total²	36.16	32.33	28.73	34.14	28.80	18.5

¹ 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 \$50 per short ton, inclusively.

² 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 26. Coal Imports by Customs District
(Short Tons)

Customs District	April - June 1995	January - March 1995	April - June 1994	Year to date		
				1995	1994	Percent Change
Eastern Total	431,000	531,225	396,825	962,225	876,682	9.8
Boston, MA	250,797	389,279	316,069	640,076	583,101	9.8
Baltimore, MD	-	28,328	27,826	28,328	88,668	-68.1
Portland, ME	152,132	86,054	52,930	238,186	158,080	50.7
New York City, NY	-	236	-	236	-	-
Philadelphia, PA	28,071	27,328	-	55,399	22,032	151.4
Norfolk, VA	-	-	-	-	24,801	-
Southern Total	578,096	885,485	705,540	1,463,581	1,652,303	-11.4
Mobile, AL	279,299	227,634	183,563	506,933	344,301	47.2
Miami, FL	26,035	-	2,477	26,035	5,039	416.7
Tampa, FL	133,671	464,200	333,950	597,871	1,072,175	-44.2
New Orleans, LA	42,439	140,968	80,499	183,407	87,203	110.3
San Juan, PR	96,631	30,547	27,656	127,178	27,656	359.9
Houston-Galveston, TX	-	-	99	-	99	-
Laredo, TX	21	90	-	111	88	26.1
Virgin Islands	-	22,046	77,296	22,046	115,742	-81.0
Western Total	248,098	163,019	162,342	411,117	382,585	7.5
Los Angeles, CA	-	-	12	-	12	-
San Diego, CA	-	49	-	49	-	-
Honolulu, HI	247,867	156,454	153,823	404,321	357,990	12.9
Great Falls, MT	231	414	8,493	645	18,472	-96.5
Seattle, WA	-	6,102	14	6,102	6,111	-.1
Northern Total	352,279	215,528	311,808	567,807	514,919	10.3
Chicago, IL	28,318	6,665	-	34,983	29,769	17.5
Detroit, MI	118,735	-	102,854	118,735	102,854	15.4
Duluth, MN	63,251	48,955	-	112,206	22,357	401.9
Pembina, ND	141,975	159,908	208,954	301,883	359,939	-16.1
Total	1,609,473	1,795,257	1,576,515	3,404,730	3,426,489	-6

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 27. U.S. Coke Imports
(Short Tons)

Continent and Country of Origin	April - June 1995	January - March 1995	April - June 1994	Year to date		
				1995	1994	Percent Change
North America Total	18,802	21,429	9,783	40,231	18,823	113.7
Canada	18,802	21,429	9,783	40,231	18,823	113.7
Europe Total	-	42,166	121,609	42,166	165,008	-74.4
Poland	-	42,166	81,471	42,166	124,870	-66.2
United Kingdom	-	-	40,138	-	40,138	-
Asia Total	428,023	381,856	347,758	809,879	568,090	42.6
China (Mainland)	169,097	129,250	-	298,347	-	-
Japan	258,926	252,606	347,758	511,532	568,090	-10.0
Africa Total	-	38,952	-	38,952	19,324	101.6
South Africa, Rep of	-	-	-	-	19,324	-
Zimbabwe	-	38,952	-	38,952	-	-
Total	446,825	484,403	479,150	931,228	771,245	20.7

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

Glowing coke, for use at a steel plant, is carried in a quenching car to a quenching tower for cooling.

Figure 8. Quarterly U.S. Coal Receipts, 1987-1995

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" and Form EIA-6, "Coal Distribution Report"; Residential and Commercial: Form EIA-6, "Coal Distribution Report."

Table 28. U.S. Coal Receipts by End-Use Sector, 1987-1995
(Thousand Short Tons)

Year and Quarter	Electric Utilities	Coke Plants	Other Industrial	Residential and Commercial	Total
1987 January - March	167,444	7,317	17,487	1,809	194,057
April - June	172,691	10,386	17,680	1,254	202,011
July - September	188,743	9,466	19,108	1,613	218,930
October - December	192,421	10,575	20,931	2,238	226,165
Total	721,298	37,744	75,207	6,914	841,163
1988 January - March	174,518	10,462	18,203	2,004	205,187
April - June	173,393	10,299	17,468	1,406	202,565
July - September	190,788	9,627	18,186	1,725	220,327
October - December	189,077	10,727	18,799	1,994	220,598
Total	727,775	41,115	72,656	7,130	848,676
1989 January - March	182,295	10,984	17,794	1,837	212,910
April - June	188,144	10,293	18,169	1,143	217,748
July - September	190,115	10,469	18,761	1,264	220,609
October - December	192,663	9,274	19,939	1,924	223,800
Total	753,217	41,019	74,663	6,167	875,067
1990 January - March	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
Total	786,627	40,736	77,455	6,724	911,543
1991 January - March	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
Total	769,923	33,090	71,410	6,094	880,517
1992 January - March	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
Total	775,963	32,027	73,903	6,153	888,046
1993 January - March	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
Total	769,152	31,104	74,359	6,221	880,836
1994 January - March	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
Total	831,929	31,719	74,893	6,013	944,553
1995 January - March	204,797	8,261	17,802	1,638	232,497
April - June	199,151	8,192	17,036	1,032	225,411
Total	403,947	16,453	34,838	2,670	457,908

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" and Form EIA-6, "Coal Distribution Report" and • Residential and Commercial: Form EIA-6, "Coal Distribution Report."

Figure 9. Quarterly Average Price of U.S. Coal Receipts, 1987-1995

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 29. Average Price of U.S. Coal Receipts by End-Use Sector, 1987-1995
(Dollars per Short Ton)

Year and Quarter	Electric Utilities	Coke Plants	Other Industrial ¹
1987 January - March	\$32.08	\$46.60	\$33.92
April - June	32.74	46.24	33.94
July - September	31.47	46.51	33.23
October - December	31.15	46.85	33.75
Average Annual Price	31.83	46.55	33.71
1988 January - March	31.08	47.02	33.91
April - June	31.09	48.04	32.73
July - September	30.28	48.13	33.44
October - December	30.20	47.66	33.59
Average Annual Price	30.64	47.70	33.43
1989 January - March	30.11	47.36	33.19
April - June	30.30	47.23	32.68
July - September	30.00	48.10	32.61
October - December	30.17	47.28	33.61
Average Annual Price	30.15	47.50	33.03
1990 January - March	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
Average Annual Price	30.45	47.73	33.59
1991 January - March	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
Average Annual Price	30.02	48.88	33.54
1992 January - March	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
Average Annual Price	29.36	47.92	32.78
1993 January - March	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
Average Annual Price	28.58	47.44	32.23
1994 January - March	28.04	47.04	32.79
April - June	28.71	46.66	32.47
July - September	28.00	46.15	32.28
October - December	27.35	46.41	32.66
Average Annual Price	28.03	46.56	32.55
1995 January - March	27.34	47.19	32.46
April - June	27.45	47.57	32.47

¹ 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 2 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 30. Coal Receipts by Census Division and State
(Thousand Short Tons)

Census Division and State	April - June 1995	January - March 1995	April - June 1994	Year to Date		
				1995	1994	Percent Change
New England Total	1,659	1,615	1,674	3,274	3,367	-2.7
Connecticut	193	194	262	387	468	-17.3
Maine	78	74	96	153	189	-19.2
Massachusetts	1,039	957	1,044	1,996	2,161	-7.6
New Hampshire	348	389	272	737	546	34.9
Rhode Island	-	*	-	*	1	-68.9
Vermont	*	1	*	1	1	-31.5
Middle Atlantic Total	16,754	16,650	17,934	33,404	34,751	-3.9
New Jersey	583	393	625	976	1,303	-25.0
New York	2,566	2,686	2,709	5,252	5,510	-4.7
Pennsylvania	13,604	13,571	14,600	27,176	27,937	-2.7
East North Central Total	54,109	50,214	56,593	104,323	105,889	-1.5
Illinois	9,407	9,961	10,543	19,367	20,498	-5.5
Indiana	14,821	15,498	16,017	30,318	31,789	-4.6
Michigan	10,218	5,267	9,875	15,485	15,297	1.2
Ohio	13,527	14,330	14,600	27,857	27,855	*
Wisconsin	6,136	5,159	5,560	11,295	10,451	8.1
West North Central Total	31,226	34,114	30,241	65,340	61,774	5.8
Iowa	5,522	5,303	5,253	10,825	9,150	18.3
Kansas	4,719	4,124	4,417	8,843	9,001	-1.8
Minnesota	4,142	5,039	4,529	9,181	9,559	-3.9
Missouri	7,480	8,157	6,736	15,637	13,741	13.8
Nebraska	2,446	2,990	1,723	5,436	4,236	28.3
North Dakota	6,382	7,798	6,806	14,180	14,619	-3.0
South Dakota	536	703	776	1,239	1,469	-15.7
South Atlantic Total	35,289	37,465	40,695	72,754	78,136	-6.9
Delaware	406	464	520	870	1,242	-29.9
District of Columbia	-	*	7	*	28	-99.0
Florida	6,058	6,450	6,723	12,508	12,919	-3.2
Georgia	7,447	7,413	8,541	14,861	15,795	-5.9
Maryland	2,653	2,437	2,783	5,089	4,993	1.9
North Carolina	5,398	5,390	6,198	10,788	12,460	-13.4
South Carolina	2,681	3,031	3,255	5,711	6,401	-10.8
Virginia	2,975	3,027	3,665	6,002	6,816	-11.9
West Virginia	7,672	9,253	9,003	16,925	17,481	-3.2
East South Central Total	25,061	26,129	25,789	51,190	50,019	2.3
Alabama	7,987	7,842	8,568	15,829	16,095	-1.7
Kentucky	9,675	10,358	9,599	20,034	19,664	1.9
Mississippi	1,043	1,300	1,158	2,342	2,036	15.0
Tennessee	6,356	6,629	6,464	12,985	12,225	6.2
West South Central Total	34,272	34,974	34,875	69,246	69,718	-0.7
Arkansas	3,445	3,344	3,086	6,789	5,940	14.3
Louisiana	3,618	3,376	3,212	6,993	6,517	7.3
Oklahoma	5,235	5,273	4,719	10,508	9,482	10.8
Texas	21,974	22,982	23,857	44,957	47,779	-5.9
Mountain Total	24,922	28,528	25,996	53,450	54,425	-1.8
Arizona	3,910	4,433	4,588	8,343	8,977	-7.1
Colorado	4,204	4,532	4,025	8,736	8,624	1.3
Idaho	92	147	119	239	303	-21.0
Montana	1,723	3,002	2,063	4,725	5,009	-5.7
Nevada	1,954	1,708	1,819	3,661	3,670	-0.2
New Mexico	3,204	3,618	3,584	6,821	7,121	-4.2
Utah	4,137	3,995	4,079	8,132	8,043	1.1
Wyoming	5,699	7,093	5,718	12,792	12,679	.9
Pacific Total	2,118	2,808	2,814	4,926	5,837	-15.6
Alaska	104	153	77	256	229	12.2
California	553	663	587	1,216	1,136	7.1
Hawaii	69	14	34	84	61	38.3
Oregon	8	581	514	589	1,121	-47.5
Washington	1,384	1,396	1,601	2,780	3,290	-15.5
U.S. Total	225,411	232,497	236,610	457,908	463,915	-1.3

* Rounded to zero.

Notes: Total may not equal sum of components because of independent rounding. See Technical Note 1 in Appendix C for differences between distribution and receipts.

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"; and Form EIA-6, "Coal Distribution Report."

Table 31. Quantity and Price of Coal Receipts at Electric Utility Plants by Census Division and State

Census Division and State	April-June 1995		April-June 1994		Year to Date					
	Quantity (thousand short tons)	Price (cents per MM Btu)	Quantity (thousand short tons)	Price (cents per MM Btu)	1995		1994		Percent Change	
					Quantity (thousand short tons)	Price (cents per MM Btu)	Quantity (thousand short tons)	Price (cents per MM Btu)	Quantity	Price
New England	1,588	171	1,560	165	3,091	170	3,127	166	-1.2	2.8
Connecticut	193	187	262	173	385	187	464	173	-17.0	8.2
Massachusetts	1,027	171	1,026	168	1,971	171	2,120	167	-7.0	2.3
New Hampshire	348	163	271	147	735	159	543	153	35.3	3.7
Mid Atlantic	12,208	139	13,167	146	23,899	140	25,245	147	-5.3	-5.2
New Jersey	580	179	606	183	968	178	1,250	184	-22.6	-3.3
New York	1,887	140	1,978	143	3,860	141	4,122	147	-6.4	-4.0
Pennsylvania	9,741	136	10,582	144	19,071	137	19,872	145	-4.0	-5.3
East North Central	46,647	139	48,752	142	89,987	140	90,941	141	-1.0	-1.2
Illinois	8,030	164	8,762	163	16,448	168	17,068	163	-3.6	3.0
Indiana	12,221	127	13,449	130	25,331	126	26,912	129	-5.9	-2.1
Michigan	9,020	146	8,660	150	13,602	146	13,311	152	2.2	-3.6
Ohio	11,748	139	12,815	143	24,236	141	24,081	142	.6	-1.0
Wisconsin	5,629	116	5,067	121	10,370	114	9,570	120	8.4	-4.4
West North Central	28,162	99	26,761	101	58,798	98	55,021	101	6.9	-3.0
Iowa	4,820	102	4,350	105	9,542	100	7,714	100	23.7	.7
Kansas	4,690	101	4,383	102	8,775	103	8,925	103	-1.7	*
Minnesota	3,797	118	4,172	117	8,368	119	8,851	118	-5.5	.9
Missouri	7,206	102	6,388	110	15,042	101	13,071	112	15.1	-9.8
Nebraska	2,401	75	1,674	79	5,311	75	4,058	79	30.9	-5.3
North Dakota	4,819	78	5,131	70	10,727	74	11,157	71	-3.9	5.0
South Dakota	429	109	663	109	1,032	109	1,243	111	-17.0	-1.1
South Atlantic	31,530	157	36,352	161	64,350	157	69,329	161	-7.2	-2.3
Delaware	367	163	462	162	795	164	1,141	164	-30.3	-.1
Florida	5,760	180	6,415	178	11,897	181	12,263	177	-3.0	2.3
Georgia	7,020	167	8,124	168	13,815	168	14,869	169	-7.1	-.4
Maryland	2,450	149	2,613	155	4,676	151	4,631	158	1.0	-4.4
North Carolina	4,805	164	5,568	169	9,417	167	11,112	169	-15.3	-.9
South Carolina	2,215	155	2,639	156	4,681	155	5,132	156	-8.8	-.7
Virginia	2,036	144	2,666	143	4,079	144	4,821	145	-15.4	-.5
West Virginia	6,876	129	7,866	143	14,990	128	15,359	143	-2.4	-10.0
East South Central	21,795	128	22,347	138	44,639	129	43,057	138	3.7	-6.6
Alabama	6,609	157	7,119	169	13,054	158	13,266	172	-1.6	-8.0
Kentucky	8,809	113	8,714	118	18,364	114	17,711	118	3.7	-3.8
Mississippi	983	158	1,076	163	2,215	154	1,897	160	16.8	-4.0
Tennessee	5,393	114	5,438	125	11,006	117	10,183	126	8.1	-7.1
West South Central	32,681	138	33,276	136	66,008	137	66,625	136	-.9	1.2
Arkansas	3,357	163	2,998	173	6,614	163	5,768	167	14.7	-2.3
Louisiana	3,475	154	3,063	153	6,696	155	6,223	154	7.6	.4
Oklahoma	4,915	98	4,509	102	9,863	99	9,115	103	8.2	-3.8
Texas	20,934	141	22,707	135	42,835	140	45,519	136	-5.9	2.9
Mountain	23,241	113	24,311	115	49,995	112	50,971	114	-1.9	-1.1
Arizona	3,739	137	4,415	140	7,999	138	8,626	140	-7.3	-1.1
Colorado	4,039	105	3,833	108	8,404	105	8,197	107	2.5	-2.0
Montana	1,623	67	1,938	70	4,465	66	4,724	71	-5.5	-6.6
Nevada	1,866	132	1,766	146	3,516	134	3,570	145	-1.5	-7.6
New Mexico	3,183	154	3,565	145	6,780	152	7,083	145	-4.3	5.2
Utah	3,596	112	3,540	116	7,117	115	7,099	114	.2	.7
Wyoming	5,195	79	5,254	79	11,714	80	11,672	81	.4	-.4
Pacific	1,319	140	2,052	130	3,182	142	4,242	127	-25.0	11.8
Oregon	-	-	509	104	531	112	1,092	104	-51.4	7.9
Washington	1,319	140	1,543	138	2,651	149	3,150	136	-15.8	9.7
U.S. Total	199,151	134	208,576	138	403,947	133	408,557	137	-1.1	-2.6

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

Census Division and State	April-June 1995		April-June 1994		Year to Date					
	Quantity (thousand short tons)	Price (cents per MM Btu)	Quantity (thousand short tons)	Price (cents per MM Btu)	1995		1994		Percent Change	
					Quantity (thousand short tons)	Price (cents per MM Btu)	Quantity (thousand short tons)	Price (cents per MM Btu)	Quantity	Price
New England	1,209	172	1,342	164	2,334	171	2,747	165	-15.0	3.5
Connecticut	193	187	262	173	385	187	464	173	-17.0	8.2
Massachusetts	798	172	819	166	1,440	172	1,790	167	-19.5	3.2
New Hampshire	218	158	261	147	509	156	493	153	3.3	2.1
Mid Atlantic	8,634	149	9,050	153	16,786	148	17,440	153	-3.8	-3.0
New Jersey	572	179	529	181	958	178	1,065	183	-10.0	-2.8
New York	1,633	140	1,160	143	2,776	143	2,280	146	21.7	-2.1
Pennsylvania	6,430	148	7,361	152	13,052	147	14,095	152	-7.4	-3.0
East North Central	36,759	145	33,983	153	69,028	147	62,321	151	10.8	-2.7
Illinois	6,752	170	7,290	168	13,994	174	13,830	170	1.2	2.7
Indiana	9,969	132	8,283	139	19,983	131	16,320	136	22.4	-3.5
Michigan	7,397	150	6,790	154	11,236	150	10,185	153	10.3	-2.5
Ohio	9,368	146	8,653	160	17,984	150	16,057	158	12.0	-4.8
Wisconsin	3,274	120	2,967	126	5,830	118	5,930	124	-1.7	-4.6
West North Central	24,212	101	21,935	104	50,839	100	45,356	104	12.1	-4.1
Iowa	3,778	105	2,533	116	7,456	102	4,158	110	79.3	-7.1
Kansas	3,210	115	3,160	110	6,190	116	6,355	112	-2.6	3.7
Minnesota	3,727	118	3,919	117	7,990	119	8,507	118	-6.1	.9
Missouri	6,609	102	5,515	112	13,534	102	11,368	115	19.1	-11.4
Nebraska	1,640	78	1,014	84	3,910	77	2,857	84	36.9	-7.8
North Dakota	4,819	78	5,131	70	10,727	74	10,868	71	-1.3	3.7
South Dakota	429	109	663	109	1,032	109	1,243	111	-17.0	-1.1
South Atlantic	23,715	163	27,203	167	49,243	163	51,521	167	-4.4	-2.2
Delaware	301	165	457	162	640	167	901	163	-29.1	2.5
Florida	4,222	192	4,719	185	8,825	191	8,837	185	-.1	3.4
Georgia	3,968	179	5,573	173	8,226	178	10,288	174	-20.0	2.1
Maryland	1,594	151	1,820	156	3,442	152	3,367	158	2.2	-3.8
North Carolina	4,506	166	4,427	176	8,930	169	8,418	176	6.1	-3.8
South Carolina	2,116	155	2,373	156	4,343	155	4,449	156	-2.4	-.6
Virginia	1,639	144	1,726	144	3,439	144	3,383	145	1.7	-.4
West Virginia	5,369	139	6,108	155	11,398	139	11,877	155	-4.0	-10.3
East South Central	16,493	134	15,794	145	33,066	135	30,207	145	9.5	-6.6
Alabama	4,926	169	4,935	185	9,631	170	9,570	186	.6	-8.8
Kentucky	6,594	115	5,899	119	13,298	116	11,860	119	12.1	-2.7
Mississippi	843	163	954	163	1,962	157	1,732	161	13.3	-2.1
Tennessee	4,130	116	4,005	127	8,175	120	7,045	127	16.0	-5.4
West South Central	29,588	142	30,478	139	60,013	141	60,866	139	-1.4	1.4
Arkansas	3,267	164	2,775	176	6,423	164	5,414	169	18.6	-3.0
Louisiana	3,475	154	2,992	152	6,696	155	6,152	154	8.8	.5
Oklahoma	2,677	112	2,625	113	5,560	107	5,207	115	6.8	-7.1
Texas	20,169	140	22,085	135	41,334	140	44,093	135	-6.3	3.0
Mountain	21,624	115	22,114	118	46,418	114	46,229	116	.4	-1.8
Arizona	3,143	141	3,727	144	6,774	142	7,019	144	-3.5	-2.0
Colorado	3,780	106	3,336	111	7,767	106	7,302	109	6.4	-3.0
Montana	1,623	67	1,938	70	4,465	66	4,724	71	-5.5	-6.6
Nevada	1,866	132	1,741	147	3,516	134	3,523	145	-.2	-7.8
New Mexico	3,183	154	3,565	145	6,780	152	7,083	145	-4.3	5.2
Utah	3,458	114	3,355	119	6,826	118	6,738	117	1.3	.5
Wyoming	4,572	80	4,452	81	10,290	81	9,839	83	4.6	-2.2
Pacific	1,148	142	1,191	144	2,096	156	2,395	140	-12.5	11.9
Washington	1,148	142	1,191	144	2,096	156	2,395	140	-12.5	11.9
U.S. Total	163,383	138	163,089	143	329,823	138	319,082	142	3.4	-2.8

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

Census Division and State	April-June 1995		April-June 1994		Year to Date					
	Quantity (thousand short tons)	Price (cents per MM Btu)	Quantity (thousand short tons)	Price (cents per MM Btu)	1995		1994		Percent Change	
					Quantity (thousand short tons)	Price (cents per MM Btu)	Quantity (thousand short tons)	Price (cents per MM Btu)	Quantity	Price
New England	359	170	218	172	757	169	381	171	98.8	-1.0
Massachusetts	229	170	207	173	531	170	330	172	60.7	-1.5
New Hampshire	129	171	11	141	226	166	50	157	348.2	5.4
Mid Atlantic	3,574	115	4,116	130	7,112	118	7,804	135	-8.9	-12.1
New Jersey	8	198	77	193	10	199	186	190	-94.8	4.4
New York	254	135	818	142	1,084	138	1,842	149	-41.2	-7.6
Pennsylvania	3,312	113	3,221	126	6,019	115	5,777	128	4.2	-10.7
East North Central	9,887	116	14,769	119	20,959	116	28,620	120	-26.8	-3.7
Illinois	1,278	131	1,472	138	2,453	137	3,239	138	-24.2	-8
Indiana	2,252	106	5,165	117	5,347	108	10,592	118	-49.5	-8.2
Michigan	1,623	128	1,870	139	2,367	130	3,125	146	-24.3	-10.5
Ohio	2,379	114	4,162	109	6,252	114	8,024	111	-22.1	2.5
Wisconsin	2,355	109	2,100	115	4,540	109	3,640	113	24.7	-2.9
West North Central	3,950	81	4,826	87	7,958	84	9,664	85	-17.7	-8
Iowa	1,042	93	1,817	89	2,087	93	3,557	87	-41.3	7.1
Kansas	1,480	72	1,223	82	2,585	72	2,570	81	.6	-12.1
Minnesota	69	135	253	123	377	125	344	124	9.6	1.0
Missouri	597	94	873	92	1,508	96	1,703	94	-11.4	2.4
Nebraska	762	68	660	69	1,401	69	1,201	68	16.6	1.1
North Dakota	-	-	-	-	-	-	289	37	-	-
South Atlantic	7,815	136	9,149	142	15,107	136	17,807	143	-15.2	-5.1
Delaware	66	151	4	182	156	151	240	168	-35.1	-10.0
Florida	1,538	147	1,696	158	3,072	151	3,427	156	-10.3	-3.3
Georgia	3,052	149	2,551	157	5,589	151	4,581	156	22.0	-3.1
Maryland	856	146	793	154	1,234	147	1,264	157	-2.4	-6.3
North Carolina	298	134	1,141	144	487	132	2,694	147	-81.9	-10.5
South Carolina	99	150	266	153	338	151	683	154	-50.5	-2.3
Virginia	398	143	940	142	640	144	1,437	145	-55.5	-7
West Virginia	1,507	93	1,758	101	3,592	95	3,482	102	3.2	-6.1
East South Central	5,302	109	6,553	124	11,573	112	12,850	124	-9.9	-9.9
Alabama	1,683	116	2,183	136	3,422	119	3,697	134	-7.4	-11.2
Kentucky	2,215	105	2,815	114	5,066	108	5,851	116	-13.4	-7.1
Mississippi	140	130	122	158	253	128	165	154	53.8	-17.4
Tennessee	1,264	105	1,433	120	2,831	109	3,138	125	-9.8	-12.5
West South Central	3,093	102	2,798	106	5,995	105	5,759	106	4.1	-5
Arkansas	90	131	223	133	191	130	354	132	-46.1	-1.7
Louisiana	-	-	70	161	-	-	70	161	-	-
Oklahoma	2,238	82	1,883	85	4,302	88	3,908	86	10.1	2.7
Texas	765	151	622	146	1,501	146	1,426	145	5.3	.6
Mountain	1,617	92	2,197	90	3,576	90	4,742	89	-24.6	1.4
Arizona	596	120	689	118	1,225	120	1,606	119	-23.7	.6
Colorado	259	94	497	92	637	88	895	87	-28.8	1.8
Nevada	-	-	25	120	-	-	47	120	-	-
Utah	138	58	184	67	291	59	361	66	-19.5	-10.3
Wyoming	623	71	802	69	1,424	73	1,833	67	-22.3	8.1
Pacific	171	126	861	113	1,086	119	1,847	113	-41.2	5.1
Oregon	-	-	509	104	531	112	1,092	104	-51.4	7.9
Washington	171	126	352	124	555	125	755	125	-26.5	*
U.S. Total	35,768	115	45,487	122	74,124	116	89,475	122	-17.2	-5.1

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

Census Division and State	April-June 1995	January-March 1995	April-June 1994	Year to Date		
				1995	1994	Percent Change
New England	\$44.13	\$43.63	\$42.63	\$43.88	\$42.83	2.5
Connecticut	48.99	48.70	45.31	48.85	45.19	8.1
Massachusetts	43.63	43.70	43.06	43.67	43.04	1.4
New Hampshire	42.91	40.93	38.40	41.86	39.99	4.7
Mid Atlantic	34.53	35.17	36.60	34.84	36.95	-5.7
New Jersey	47.63	48.10	48.62	47.82	48.88	-2.2
New York	36.26	37.37	37.02	36.83	38.08	-3.3
Pennsylvania	33.41	34.17	35.83	33.78	35.96	-6.1
East North Central	29.65	30.30	30.86	29.96	30.69	-2.4
Illinois	32.52	34.71	33.38	33.64	33.57	.2
Indiana	26.22	26.16	27.51	26.19	27.19	-3.7
Michigan	31.25	32.87	32.61	31.79	33.71	-5.7
Ohio	33.82	34.37	34.46	34.10	34.10	*
Wisconsin	21.73	20.69	23.29	21.25	22.62	-6.1
West North Central	16.68	16.27	17.21	16.46	17.08	-3.6
Iowa	17.70	16.78	18.52	17.24	17.38	-.8
Kansas	17.65	18.36	17.75	17.98	17.91	.4
Minnesota	20.76	21.07	20.72	20.93	20.82	.5
Missouri	18.95	18.74	21.40	18.84	21.87	-13.8
Nebraska	12.92	12.97	13.39	12.94	13.60	-4.8
North Dakota	10.26	9.36	9.33	9.76	9.32	4.8
South Dakota	13.38	13.29	13.24	13.32	13.38	-.4
South Atlantic	38.69	38.82	39.77	38.75	39.80	-2.6
Delaware	42.66	43.04	42.03	42.87	42.38	1.2
Florida	44.47	44.61	43.55	44.54	43.47	2.5
Georgia	38.78	39.29	39.82	39.03	39.97	-2.3
Maryland	38.92	39.27	39.87	39.09	40.34	-3.1
North Carolina	40.97	42.65	42.18	41.80	42.03	-.5
South Carolina	39.81	39.72	39.96	39.76	39.91	-.4
Virginia	36.84	36.81	36.70	36.83	36.98	-.4
West Virginia	32.04	31.73	35.75	31.87	35.59	-10.4
East South Central	30.36	30.62	33.03	30.49	33.01	-7.6
Alabama	37.07	37.48	41.03	37.27	41.54	-10.3
Kentucky	26.30	26.73	27.63	26.53	27.60	-3.9
Mississippi	36.62	31.69	37.62	33.88	35.97	-5.8
Tennessee	27.61	29.15	30.31	28.39	30.73	-7.6
West South Central	21.31	21.30	20.91	21.30	20.91	1.9
Arkansas	28.34	28.17	30.22	28.26	29.01	-2.6
Louisiana	24.95	25.21	25.01	25.08	24.96	.5
Oklahoma	16.70	17.01	17.43	16.86	17.61	-4.3
Texas	20.66	20.67	19.81	20.66	19.99	3.4
Mountain	22.19	21.68	22.65	21.92	22.23	-1.4
Arizona	28.27	28.36	28.58	28.32	28.64	-1.1
Colorado	20.81	20.68	21.35	20.74	21.08	-1.6
Montana	11.20	11.16	11.85	11.18	11.98	-6.7
Nevada	29.28	31.54	33.35	30.34	33.13	-8.4
New Mexico	27.84	27.05	26.21	27.42	26.23	4.5
Utah	25.97	27.14	26.77	26.55	26.39	.6
Wyoming	13.71	14.16	13.79	13.96	14.15	-1.3
Pacific	22.95	24.90	22.07	24.09	21.72	10.9
Oregon	-	20.22	18.45	20.22	18.36	10.1
Washington	22.95	26.77	23.27	24.87	22.88	8.7
U.S. Total	27.45	27.34	28.71	27.39	28.38	-3.5

* 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.

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

Table 35. Coal Receipts and Prices by Sulfur Content at Electric Utility Plants, by State of Origin and Imports, January-June 1995

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	3,096	200	3,743	171	477	137	7,316	181	0.91	-9.6	-7.3	-3.5
Arizona	5,716	112	-	-	-	-	5,716	112	.47	4.6	-8	3.6
Colorado	11,116	133	200	73	-	-	11,316	132	.40	6.9	-3.4	-4.6
Illinois	-	-	7,657	149	12,651	140	20,309	143	2.07	-19.2	-1.7	-8.9
Indiana	766	143	3,459	124	6,389	113	10,615	119	2.08	-12.1	-4.0	-5.9
Kansas	-	-	-	-	186	129	186	129	2.92	6.4	*	1.2
Kentucky	10,385	162	33,474	152	14,765	116	58,624	145	1.27	-5.6	-1.5	-6.5
Louisiana	-	-	416	125	1,252	135	1,668	132	1.75	1.4	1.9	44.6
Maryland	17	168	1,577	141	13	94	1,607	141	1.19	18.6	-3.5	-12.1
Missouri	-	-	-	-	100	114	100	114	3.36	-52.8	3.9	-8.1
Montana	6,990	166	9,244	95	-	-	16,234	127	.61	-6.6	-3.9	2.6
New Mexico	4,048	163	8,413	153	-	-	12,462	157	.71	-5.2	2.6	-5
North Dakota	-	-	10,749	75	1,010	92	11,759	77	1.14	-5.2	3.6	-3.2
Ohio	42	177	228	123	10,305	139	10,576	139	2.96	-23.0	-2.9	-1
Oklahoma	1	147	2	99	51	101	53	101	2.45	4.1	.6	-12.2
Pennsylvania	624	162	14,480	139	5,688	114	20,792	133	1.42	-6.6	-4.3	-4.4
Tennessee	-	-	655	144	9	116	664	144	.88	-15.3	4.4	-15.5
Texas	-	-	11,191	113	11,549	107	22,740	110	1.80	-8.1	4.2	9.2
Utah	8,924	116	2	149	-	-	8,926	116	.39	10.3	4.0	-3.3
Virginia	2,360	161	5,196	156	85	127	7,642	157	.78	-8.6	-1.9	-3.6
Washington	-	-	2,096	156	-	-	2,096	156	.97	-12.6	11.8	10.5
West Virginia	17,230	158	16,113	144	11,618	124	44,961	144	1.20	-1.9	-5.8	*
Wyoming	118,809	121	6,667	104	-	-	125,476	120	.40	14.0	-9	-3.5
Imported	1,350	159	762	200	-	-	2,111	173	.57	-15.4	14.3	5.6
Total	191,474	134	136,326	139	76,147	124	403,947	133	1.05	-1.1	-2.6	-8.5

* 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 36. Destination of Coal Received at Electric Utility Plants by Origin,
January-June 1995, 1994**

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)	
	1995	1994	1995	1994	1995	1994	1995	1994
Alabama	13,054	13,266	73.8	72.1	1.03	1.10	158	172
Alabama	7,316	8,087	98.2	86.3	.91	.94	181	195
Colorado	-	86	-	-	-	.53	-	133
Illinois	355	479	7.1	87.9	2.00	1.83	112	129
Kentucky	2,159	2,679	52.9	44.4	1.61	1.62	127	129
Ohio	-	84	-	-	-	3.21	-	123
Pennsylvania	-	28	-	-	-	1.55	-	122
Tennessee	296	264	93.1	65.1	.71	.65	135	126
Utah	-	88	-	-	-	.58	-	129
Virginia	-	103	-	-	-	1.12	-	159
West Virginia	1,483	1,368	67.8	59.4	1.09	.77	132	145
Wyoming	1,444	-	-	-	.38	-	113	-
Arizona	7,999	8,626	84.7	81.4	.52	.50	138	140
Arizona	3,371	3,408	100.0	100.0	.49	.47	109	109
Colorado	-	40	-	-	-	.40	-	97
New Mexico	4,627	5,178	73.5	69.7	.54	.52	163	163
Arkansas	6,614	5,768	97.1	93.9	.38	.39	163	167
Wyoming	6,614	5,768	97.1	93.9	.38	.39	163	167
Colorado	8,404	8,197	92.4	89.1	.40	.41	105	107
Colorado	5,708	5,441	88.8	83.7	.40	.42	111	112
Montana	-	9	-	-	-	.43	-	76
Wyoming	2,696	2,747	100.0	100.0	.37	.38	88	94
Connecticut	385	464	100.0	100.0	.43	.42	187	173
Kentucky	385	421	100.0	100.0	.43	.41	187	173
West Virginia	-	43	-	100.0	-	.50	-	171
Delaware	795	1,141	80.4	79.0	.72	.70	164	164
Kentucky	-	29	-	-	-	.46	-	179
Maryland	52	35	85.8	-	.95	.90	151	156
Pennsylvania	127	132	5.9	61.1	1.11	1.01	149	159
Virginia	7	85	-	24.8	1.12	.61	149	175
West Virginia	609	838	96.5	95.4	.61	.67	169	163
Imported coal Colombia	-	22	-	-	-	.47	-	168
Florida	11,897	12,263	74.2	72.1	1.20	1.36	181	177
Alabama	-	2	-	-	-	2.34	-	204
Colorado	368	-	100.0	-	.32	-	184	-
Illinois	2,892	2,900	61.4	47.9	1.94	2.33	183	173
Kentucky	6,259	6,029	74.6	88.1	1.11	1.21	179	184
Tennessee	88	139	100.0	100.0	.90	.93	230	209
Virginia	249	426	100.0	100.0	.58	.58	214	214
West Virginia	766	1,205	83.5	65.2	.92	1.22	178	175
Wyoming	-	58	-	100.0	-	.27	-	128
Imported coal Colombia	598	1,294	95.5	56.2	.58	.57	149	143
Imported coal Indonesia	214	-	-	-	.42	-	140	-
Imported coal South Africa	-	103	-	-	-	.57	-	184
Imported coal Venezuela	463	108	100.0	-	.74	.62	232	161
Georgia	13,815	14,869	59.5	69.2	.69	1.04	168	169
Colorado	-	11	-	-	-	.33	-	166
Illinois	330	2,384	-	95.9	.92	2.31	163	170
Kentucky	7,062	7,130	84.0	79.0	.79	.93	166	162
Ohio	-	37	-	-	-	3.54	-	163
Tennessee	10	-	-	-	.89	-	157	-
Virginia	1,082	1,346	89.0	91.0	.79	.95	170	181
West Virginia	2,033	2,115	65.5	54.2	.56	.53	197	196
Wyoming	3,298	1,835	-	-	.42	.37	152	147
Imported coal Colombia	-	12	-	-	-	.61	-	214
Illinois	16,448	17,068	85.1	81.0	1.10	1.56	168	163
Colorado	901	887	35.1	26.4	.39	.46	136	138
Illinois	5,507	7,795	95.3	90.3	2.35	2.69	137	135
Indiana	622	546	71.0	54.2	.75	1.42	148	147
Kentucky	501	702	82.2	78.3	.48	.79	165	161
Montana	1,084	2,156	97.9	78.6	.39	.37	259	232
Ohio	-	35	-	-	-	2.70	-	178
Utah	877	19	21.0	-	.36	.32	140	154
West Virginia	-	184	-	12.4	-	.52	-	170
Wyoming	6,955	4,745	91.0	84.1	.34	.35	196	195
Indiana	25,331	26,912	78.9	60.6	1.55	1.70	126	129
Colorado	-	317	-	93.6	-	.33	-	151
Illinois	5,582	5,340	78.1	64.6	2.18	2.15	142	145
Indiana	8,689	9,898	61.9	61.1	2.13	2.24	119	122

See footnotes at end of table.

**Table 36. Destination of Coal Received at Electric Utility Plants by Origin,
January-June 1995, 1994 (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)	
	1995	1994	1995	1994	1995	1994	1995	1994
Indiana								
Kentucky	481	1,925	92.5	63.7	1.25	2.50	136	115
Montana	426	412	100.0	86.9	.39	.37	263	245
Ohio	514	165	9.3	-	3.50	3.40	100	122
Pennsylvania	180	153	100.0	-	1.83	1.77	101	133
Utah	-	107	-	-	-	.35	-	168
Virginia	510	-	100.0	-	.55	-	144	-
West Virginia	280	905	76.8	38.9	.64	1.12	162	144
Wyoming	8,668	7,690	97.1	59.7	.36	.39	114	120
Iowa	9,542	7,714	78.1	53.9	.51	.62	100	100
Colorado	151	-	100.0	-	.48	-	126	-
Illinois	201	415	60.7	84.9	2.13	2.13	114	127
Indiana	42	143	100.0	69.8	2.51	1.77	125	141
Kentucky	-	69	-	82.9	-	2.36	-	118
Wyoming	9,148	7,087	78.1	51.5	.45	.44	99	96
Kansas	8,775	8,925	70.5	71.2	.51	.57	103	103
Colorado	598	483	100.0	100.0	.33	.39	119	117
Illinois	128	158	92.6	79.1	2.01	2.07	288	199
Kansas	49	44	100.0	100.0	2.50	2.51	128	123
Missouri	96	199	-	-	3.33	3.66	116	112
Wyoming	7,905	8,042	68.6	70.9	.43	.43	97	99
Kentucky	18,364	17,711	72.4	67.0	1.96	1.98	114	118
Colorado	989	519	72.2	-	.43	.54	120	124
Illinois	160	81	13.8	-	3.21	2.10	94	119
Indiana	1,152	968	76.9	74.5	2.46	2.61	102	100
Kentucky	13,143	13,493	73.9	73.1	2.24	2.18	114	119
Ohio	232	288	18.8	32.0	3.26	2.82	97	107
Pennsylvania	237	311	-	-	1.80	1.64	104	111
Tennessee	9	71	-	-	1.99	1.96	116	115
Utah	370	145	91.8	-	.44	.57	116	123
Virginia	-	35	-	-	-	.67	-	175
West Virginia	2,072	1,800	76.1	65.7	.78	.71	118	120
Louisiana	6,696	6,223	100.0	98.9	.73	.64	155	154
Colorado	-	37	-	-	-	.38	-	156
Louisiana	1,668	1,645	100.0	100.0	1.75	1.21	132	130
Wyoming	5,028	4,507	100.0	100.0	.46	.48	161	161
Imported coal Indonesia	-	33	-	-	-	.08	-	168
Maryland	4,676	4,631	73.6	72.7	.80	.93	151	158
Kentucky	325	431	44.0	68.9	.53	.56	149	160
Maryland	638	399	53.0	83.4	1.10	1.29	160	183
Pennsylvania	645	923	83.3	84.5	1.02	1.34	153	172
Virginia	198	-	100.0	-	.52	-	180	-
West Virginia	2,870	2,790	77.6	70.1	.73	.82	146	150
Imported coal Colombia	-	88	-	-	-	.53	-	147
Massachusetts	1,971	2,120	73.1	84.4	.56	.70	171	167
Kentucky	209	22	54.1	-	.49	.50	183	199
Pennsylvania	107	180	100.0	78.4	1.06	1.09	158	161
West Virginia	1,017	1,255	61.1	78.5	.55	.75	175	171
Imported coal Colombia	203	95	80.4	100.0	.49	.49	157	156
Imported coal Venezuela ...	435	567	100.0	100.0	.51	.50	166	162
Michigan	13,602	13,311	82.6	76.5	.62	.65	146	152
Colorado	336	21	86.9	-	.47	.41	140	146
Indiana	95	73	100.0	100.0	1.83	2.27	133	163
Kentucky	2,580	3,482	86.6	69.0	.68	.75	169	168
Montana	3,149	3,357	99.6	87.4	.40	.42	155	148
Ohio	77	78	100.0	100.0	2.64	2.90	173	162
Pennsylvania	1,297	760	56.7	87.8	1.14	1.10	137	144
Virginia	65	161	-	42.9	.64	.67	147	180
West Virginia	2,312	2,880	77.6	70.6	.73	.70	156	159
Wyoming	3,690	2,478	77.8	77.7	.30	.36	112	113
Imported coal Canada	-	20	-	-	-	.24	-	150
Minnesota	8,368	8,851	95.5	96.1	.55	.53	119	118
Illinois	11	42	60.6	97.1	1.12	1.09	169	175
Indiana	-	18	-	-	-	1.33	-	155
Kentucky	2	-	-	-	.67	-	209	-
Montana	4,831	4,666	97.2	95.8	.73	.72	120	118
Ohio	-	12	-	-	-	1.24	-	96
West Virginia	3	-	-	-	1.88	.52	163	191
Wyoming	3,520	4,112	93.4	97.2	.29	.30	117	117

See footnotes at end of table.

**Table 36. Destination of Coal Received at Electric Utility Plants by Origin,
January-June 1995, 1994 (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)	
	1995	1994	1995	1994	1995	1994	1995	1994
Mississippi	2,215	1,897	88.6	91.3	0.91	0.90	154	160
Colorado	358	286	96.8	100.0	.38	.40	162	160
Illinois	610	416	60.3	83.3	1.88	2.02	125	137
Kentucky	407	518	100.0	93.6	.68	.70	211	199
Montana	840	615	100.0	100.0	.39	.42	140	138
West Virginia	-	62	-	-	-	.76	-	152
Missouri	15,042	13,071	90.0	87.0	.62	1.03	101	112
Colorado	384	328	100.0	100.0	.40	.40	160	157
Illinois	2,195	3,408	98.3	95.5	1.93	2.00	139	139
Indiana	-	90	-	92.2	-	2.55	-	123
Kansas	137	131	100.0	100.0	3.08	3.02	130	132
Kentucky	23	593	100.0	97.4	.68	2.58	207	125
Missouri	4	13	-	-	4.32	3.63	78	78
Utah	246	270	100.0	51.7	.33	.37	143	120
West Virginia	-	-	-	-	-	.56	-	225
Wyoming	12,054	8,237	87.8	83.2	.29	.35	88	93
Montana	4,465	4,724	100.0	100.0	.78	.77	66	71
Montana	4,465	4,724	100.0	100.0	.78	.77	66	71
Nebraska	5,311	4,058	73.6	70.4	.38	.41	75	79
Colorado	11	-	-	-	.37	-	110	-
Montana	-	2	-	-	.43	.36	103	72
Wyoming	5,300	4,057	73.8	70.4	.38	.41	75	79
Nevada	3,516	3,570	100.0	98.7	.43	.43	134	145
Arizona	2,345	2,055	100.0	100.0	.45	.43	116	118
Colorado	50	186	100.0	100.0	.44	.41	177	228
Utah	905	807	100.0	94.2	.37	.39	160	162
Wyoming	216	523	100.0	100.0	.52	.53	216	202
New Hampshire	735	543	69.3	90.7	1.04	1.19	159	153
Pennsylvania	396	315	100.0	100.0	1.14	1.20	161	158
Virginia	19	-	-	-	.49	-	203	-
West Virginia	156	105	72.3	89.9	1.39	1.90	147	149
Imported coal Colombia	109	84	-	100.0	.49	.49	164	136
Imported coal Indonesia	-	40	-	-	-	.49	-	162
Imported coal Venezuela ...	54	-	-	-	.53	-	155	-
New Jersey	968	1,250	99.0	85.1	.81	.91	178	184
Kentucky	208	196	99.2	95.8	.50	.56	198	200
Pennsylvania	-	2	-	-	-	1.43	-	215
Virginia	448	356	100.0	94.5	.56	.58	171	180
West Virginia	312	674	97.5	80.2	1.39	1.21	175	182
Imported coal Colombia	-	23	-	-	-	.53	-	167
New Mexico	6,780	7,083	100.0	100.0	.89	.91	152	145
New Mexico	6,780	7,083	100.0	100.0	.89	.91	152	145
New York	3,860	4,122	71.9	55.3	1.36	1.26	141	147
Kentucky	433	431	97.6	53.9	.44	.45	197	194
Pennsylvania	1,614	2,483	47.6	51.0	1.24	1.33	135	138
West Virginia	1,785	1,208	88.8	64.7	1.71	1.39	133	149
Imported coal Venezuela ...	28	-	-	-	.42	-	224	-
North Carolina	9,417	11,112	94.8	75.8	.68	.78	167	169
Kentucky	4,577	5,201	92.1	72.5	.67	.83	166	170
Virginia	1,930	2,178	94.0	94.6	.85	.85	165	166
West Virginia	2,909	3,733	99.6	69.3	.57	.68	172	169
North Dakota	10,727	11,157	100.0	97.4	1.10	1.15	74	71
North Dakota	10,727	11,157	100.0	97.4	1.10	1.15	74	71
Ohio	24,236	24,081	74.2	66.7	1.56	2.05	141	142
Illinois	-	1	-	-	-	2.49	-	154
Indiana	14	30	-	-	2.75	2.42	85	113
Kentucky	5,872	4,635	68.4	59.2	.73	.88	145	146
Ohio	8,508	11,687	79.3	71.2	2.92	2.95	144	142
Pennsylvania	1,297	1,181	62.6	37.8	1.26	1.58	120	120
Virginia	41	17	-	-	.59	.55	142	136
West Virginia	8,503	6,529	75.3	69.6	.85	1.37	138	143
Oklahoma	9,863	9,115	56.4	57.1	.42	.41	99	103
Oklahoma	53	51	100.0	100.0	2.45	2.79	101	101
Wyoming	9,809	9,064	56.1	56.9	.40	.39	99	103
Oregon	531	1,092	-	-	.38	.39	112	104
Utah	-	100	-	-	-	.33	-	110
Wyoming	531	992	-	-	.38	.39	112	103
Pennsylvania	19,071	19,872	68.4	70.9	1.73	1.71	137	145
Kentucky	-	17	-	-	-	.46	-	177

See footnotes at end of table.

**Table 36. Destination of Coal Received at Electric Utility Plants by Origin,
January-June 1995, 1994 (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)	
	1995	1994	1995	1994	1995	1994	1995	1994
Pennsylvania								
Ohio	661	1,034	83.4	89.9	2.76	2.95	159	172
Pennsylvania	14,381	14,731	59.1	63.9	1.50	1.51	133	140
West Virginia	4,029	4,090	99.3	91.9	2.37	2.15	149	156
South Carolina	4,681	5,132	92.8	86.7	.92	.96	155	156
Kentucky	4,185	4,623	92.4	85.8	.91	.96	155	156
Virginia	496	471	96.3	99.1	1.03	1.00	155	153
West Virginia	1	38	100.0	38.2	.70	.81	180	170
South Dakota	1,032	1,243	100.0	100.0	1.64	1.50	109	111
North Dakota	1,032	1,243	100.0	100.0	1.64	1.50	109	111
Tennessee	11,006	10,183	74.3	69.2	1.70	1.62	117	126
Illinois	1,903	1,377	33.2	67.1	1.89	1.65	113	130
Kentucky	8,383	7,616	82.9	71.6	1.70	1.68	117	126
Ohio	-	2	-	-	-	2.01	-	129
Pennsylvania	55	122	-	-	1.31	2.22	122	110
Tennessee	262	310	100.0	64.6	1.02	1.20	126	122
Utah	-	21	-	-	-	.51	-	130
Virginia	327	611	100.0	76.5	1.11	1.05	125	125
West Virginia	76	124	-	-	1.83	1.33	114	122
Texas	42,835	45,519	96.5	96.9	1.04	.99	140	136
Colorado	759	941	53.4	53.4	.36	.39	178	193
Texas	22,740	24,733	100.0	100.0	1.80	1.65	110	106
Wyoming	19,337	19,845	94.1	95.0	.41	.41	164	160
Utah	7,117	7,099	95.9	94.9	.40	.40	115	114
Colorado	669	800	100.0	100.0	.44	.42	214	214
Utah	6,448	6,300	95.5	94.3	.40	.40	106	103
Virginia	4,079	4,821	84.3	70.2	.80	.76	144	145
Kentucky	1,225	1,542	75.3	61.8	.93	.91	145	146
Virginia	2,269	2,548	92.0	82.9	.77	.68	141	140
West Virginia	585	731	73.6	43.5	.64	.72	154	159
Washington	2,651	3,150	79.1	76.0	.82	.73	149	136
Montana	472	540	-	-	.36	.36	125	124
Utah	77	207	-	-	.29	.38	125	127
Washington	2,096	2,397	100.0	99.9	.97	.88	156	140
Imported coal Canada	6	6	-	-	.48	.49	166	178
West Virginia	14,990	15,359	76.0	77.3	1.63	1.52	128	143
Kentucky	187	285	100.0	100.0	.60	.71	187	186
Maryland	918	921	96.5	81.1	1.27	1.40	127	129
Ohio	584	320	-	-	3.24	3.35	87	101
Pennsylvania	199	737	-	33.3	1.67	2.05	98	114
West Virginia	13,102	13,095	78.8	80.9	1.60	1.47	130	145
Wisconsin	10,370	9,570	56.2	62.0	.46	.50	114	120
Colorado	34	203	74.0	23.3	.42	.33	145	150
Illinois	434	334	-	-	.88	1.21	139	137
Indiana	*	307	-	98.7	.52	1.76	166	196
Kentucky	17	30	-	-	.59	.66	170	170
Montana	966	897	-	71.8	.68	.69	104	147
New Mexico	1,054	890	100.0	100.0	.39	.36	158	154
Pennsylvania	257	207	100.0	100.0	1.12	1.16	151	149
Utah	2	32	-	-	.89	.37	149	161
Virginia	-	25	-	-	-	.43	-	163
West Virginia	57	80	-	86.7	.51	.53	153	171
Wyoming	7,549	6,564	59.5	57.4	.38	.35	102	99
Wyoming	11,714	11,672	87.8	84.3	.57	.59	80	81
Wyoming	11,714	11,672	87.8	84.3	.57	.59	80	81
U.S. Total	403,947	408,557	81.7	78.1	1.05	1.15	133	137

* 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 37. Origin of Coal Received at Electric Utility Plants by Destination,
January-June 1995, 1994**

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)	
	1995	1994	1995	1994	1995	1994	1995	1994
Alabama	7,316	8,089	98.2	86.2	0.91	0.94	181	195
Alabama	7,316	8,087	98.2	86.3	.91	.94	181	195
Florida	-	2	-	-	-	2.34	-	204
Arizona	5,716	5,463	100.0	100.0	.47	.46	112	113
Arizona	3,371	3,408	100.0	100.0	.49	.47	109	109
Nevada	2,345	2,055	100.0	100.0	.45	.43	116	118
Colorado	11,316	10,584	83.0	72.9	.40	.42	132	137
Alabama	-	86	-	-	-	.53	-	133
Arizona	-	40	-	-	-	.40	-	97
Colorado	5,708	5,441	88.8	83.7	.40	.42	111	112
Florida	368	-	100.0	-	.32	-	184	-
Georgia	-	11	-	-	-	.33	-	166
Illinois	901	887	35.1	26.4	.39	.46	136	138
Indiana	-	317	-	93.6	-	.33	-	151
Iowa	151	-	100.0	-	.48	-	126	-
Kansas	598	483	100.0	100.0	.33	.39	119	117
Kentucky	989	519	72.2	-	.43	.54	120	124
Louisiana	-	37	-	-	-	.38	-	156
Michigan	336	21	86.9	-	.47	.41	140	146
Mississippi	358	286	96.8	100.0	.38	.40	162	160
Missouri	384	328	100.0	100.0	.40	.40	160	157
Nebraska	11	-	-	-	.37	-	110	-
Nevada	50	186	100.0	100.0	.44	.41	177	228
Texas	759	941	53.4	53.4	.36	.39	178	193
Utah	669	800	100.0	100.0	.44	.42	214	214
Wisconsin	34	203	74.0	23.3	.42	.33	145	150
Illinois	20,309	25,129	73.1	78.1	2.07	2.28	143	145
Alabama	355	479	7.1	87.9	2.00	1.83	112	129
Florida	2,892	2,900	61.4	47.9	1.94	2.33	183	173
Georgia	330	2,384	-	95.9	.92	2.31	163	170
Illinois	5,507	7,795	95.3	90.3	2.35	2.69	137	135
Indiana	5,582	5,340	78.1	64.6	2.18	2.15	142	145
Iowa	201	415	60.7	84.9	2.13	2.13	114	127
Kansas	128	158	92.6	79.1	2.01	2.07	288	199
Kentucky	160	81	13.8	-	3.21	2.10	94	119
Minnesota	11	42	60.6	97.1	1.12	1.09	169	175
Mississippi	610	416	60.3	83.3	1.88	2.02	125	137
Missouri	2,195	3,408	98.3	95.5	1.93	2.00	139	139
Ohio	-	1	-	-	-	2.49	-	154
Tennessee	1,903	1,377	33.2	67.1	1.89	1.65	113	130
Wisconsin	434	334	-	-	.88	1.21	139	137
Indiana	10,615	12,074	64.5	63.2	2.08	2.21	119	124
Illinois	622	546	71.0	54.2	.75	1.42	148	147
Indiana	8,689	9,898	61.9	61.1	2.13	2.24	119	122
Iowa	42	143	100.0	69.8	2.51	1.77	125	141
Kentucky	1,152	968	76.9	74.5	2.46	2.61	102	100
Michigan	95	73	100.0	100.0	1.83	2.27	133	163
Minnesota	-	18	-	-	-	1.33	-	155
Missouri	-	90	-	92.2	-	2.55	-	123
Ohio	14	30	-	-	2.75	2.42	85	113
Wisconsin	-	307	-	98.7	.52	1.76	166	196
Kansas	186	175	100.0	100.0	2.92	2.89	129	129
Kansas	49	44	100.0	100.0	2.50	2.51	128	123
Missouri	137	131	100.0	100.0	3.08	3.02	130	132
Kentucky	58,624	62,100	79.2	73.4	1.27	1.36	145	148
Alabama	2,159	2,679	52.9	44.4	1.61	1.62	127	129
Connecticut	385	421	100.0	100.0	.43	.41	187	173
Delaware	-	29	-	-	-	.46	-	179
Florida	6,259	6,029	74.6	88.1	1.11	1.21	179	184
Georgia	7,062	7,130	84.0	79.0	.79	.93	166	162
Illinois	501	702	82.2	78.3	.48	.79	165	161
Indiana	481	1,925	92.5	63.7	1.25	2.50	136	115
Iowa	-	69	-	82.9	-	2.36	-	118
Kentucky	13,143	13,493	73.9	73.1	2.24	2.18	114	119
Maryland	325	431	44.0	68.9	.53	.56	149	160
Massachusetts	209	22	54.1	-	.49	.50	183	199
Michigan	2,580	3,482	86.6	69.0	.68	.75	169	168
Minnesota	2	-	-	-	.67	-	209	-
Mississippi	407	518	100.0	93.6	.68	.70	211	199

See footnotes at end of table.

**Table 37. Origin of Coal Received at Electric Utility Plants by Destination,
January-June 1995, 1994 (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)	
	1995	1994	1995	1994	1995	1994	1995	1994
Kentucky								
Missouri	23	593	100.0	97.4	0.68	2.58	207	125
New Jersey	208	196	99.2	95.8	.50	.56	198	200
New York	433	431	97.6	53.9	.44	.45	197	194
North Carolina	4,577	5,201	92.1	72.5	.67	.83	166	170
Ohio	5,872	4,635	68.4	59.2	.73	.88	145	146
Pennsylvania	-	17	-	-	-	.46	-	177
South Carolina	4,185	4,623	92.4	85.8	.91	.96	155	156
Tennessee	8,383	7,616	82.9	71.6	1.70	1.68	117	126
Virginia	1,225	1,542	75.3	61.8	.93	.91	145	146
West Virginia	187	285	100.0	100.0	.60	.71	187	186
Wisconsin	17	30	-	-	.59	.66	170	170
Louisiana	1,668	1,645	100.0	100.0	1.75	1.21	132	130
Louisiana	1,668	1,645	100.0	100.0	1.75	1.21	132	130
Maryland	1,607	1,356	78.9	79.7	1.19	1.36	141	146
Delaware	52	35	85.8	-	.95	.90	151	156
Maryland	638	399	53.0	83.4	1.10	1.29	160	183
West Virginia	918	921	96.5	81.1	1.27	1.40	127	129
Missouri	100	212	-	-	3.36	3.66	114	110
Kansas	96	199	-	-	3.33	3.66	116	112
Missouri	4	13	-	-	4.32	3.63	78	78
Montana	16,234	17,377	90.1	88.9	.61	.59	127	132
Colorado	-	9	-	-	-	.43	-	76
Illinois	1,084	2,156	97.9	78.6	.39	.37	259	232
Indiana	426	412	100.0	86.9	.39	.37	263	245
Michigan	3,149	3,357	99.6	87.4	.40	.42	155	148
Minnesota	4,831	4,666	97.2	95.8	.73	.72	120	118
Mississippi	840	615	100.0	100.0	.39	.42	140	138
Montana	4,465	4,724	100.0	100.0	.78	.77	66	71
Nebraska	*	2	-	-	.43	.36	103	72
Washington	472	540	-	-	.36	.36	125	124
Wisconsin	966	897	-	71.8	.68	.69	104	147
New Mexico	12,462	13,151	90.2	88.1	.71	.71	157	153
Arizona	4,627	5,178	73.5	69.7	.54	.52	163	163
New Mexico	6,780	7,083	100.0	100.0	.89	.91	152	145
Wisconsin	1,054	890	100.0	100.0	.39	.36	158	154
North Dakota	11,759	12,400	100.0	97.7	1.14	1.18	77	74
North Dakota	10,727	11,157	100.0	97.4	1.10	1.15	74	71
South Dakota	1,032	1,243	100.0	100.0	1.64	1.50	109	111
Ohio	10,576	13,741	70.6	68.6	2.96	2.97	139	143
Alabama	-	84	-	-	-	3.21	-	123
Georgia	-	37	-	-	-	3.54	-	163
Illinois	-	35	-	-	-	2.70	-	178
Indiana	514	165	9.3	-	3.50	3.40	100	122
Kentucky	232	288	18.8	32.0	3.26	2.82	97	107
Michigan	77	78	100.0	100.0	2.64	2.90	173	162
Minnesota	-	12	-	-	-	1.24	-	96
Ohio	8,508	11,687	79.3	71.2	2.92	2.95	144	142
Pennsylvania	661	1,034	83.4	89.9	2.76	2.95	159	172
Tennessee	-	2	-	-	-	2.01	-	129
West Virginia	584	320	-	-	3.24	3.35	87	101
Oklahoma	53	51	100.0	100.0	2.45	2.79	101	101
Oklahoma	53	51	100.0	100.0	2.45	2.79	101	101
Pennsylvania	20,792	22,266	59.2	60.9	1.42	1.48	133	139
Alabama	-	28	-	-	-	1.55	-	122
Delaware	127	132	5.9	61.1	1.11	1.01	149	159
Indiana	180	153	100.0	-	1.83	1.77	101	133
Kentucky	237	311	-	-	1.80	1.64	104	111
Maryland	645	923	83.3	84.5	1.02	1.34	153	172
Massachusetts	107	180	100.0	78.4	1.06	1.09	158	161
Michigan	1,297	760	56.7	87.8	1.14	1.10	137	144
New Hampshire	396	315	100.0	100.0	1.14	1.20	161	158
New Jersey	-	2	-	-	-	1.43	-	215
New York	1,614	2,483	47.6	51.0	1.24	1.33	135	138
Ohio	1,297	1,181	62.6	37.8	1.26	1.58	120	120
Pennsylvania	14,381	14,731	59.1	63.9	1.50	1.51	133	140
Tennessee	55	122	-	-	1.31	2.22	122	110
West Virginia	199	737	-	33.3	1.67	2.05	98	114
Wisconsin	257	207	100.0	100.0	1.12	1.16	151	149

See footnotes at end of table.

**Table 37. Origin of Coal Received at Electric Utility Plants by Destination,
January-June 1995, 1994 (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)	
	1995	1994	1995	1994	1995	1994	1995	1994
Tennessee	664	784	94.1	65.3	0.88	1.04	144	138
Alabama	296	264	93.1	65.1	.71	.65	135	126
Florida	88	139	100.0	100.0	.90	.93	230	209
Georgia	10	-	-	-	.89	-	157	-
Kentucky	9	71	-	-	1.99	1.96	116	115
Tennessee	262	310	100.0	64.6	1.02	1.20	126	122
Texas	22,740	24,733	100.0	100.0	1.80	1.65	110	106
Texas	22,740	24,733	100.0	100.0	1.80	1.65	110	106
Utah	8,926	8,095	87.8	84.5	.39	.40	116	112
Alabama	-	88	-	-	-	.58	-	129
Illinois	877	19	21.0	-	.36	.32	140	154
Indiana	-	107	-	-	-	.35	-	168
Kentucky	370	145	91.8	-	.44	.57	116	123
Missouri	246	270	100.0	51.7	.33	.37	143	120
Nevada	905	807	100.0	94.2	.37	.39	160	162
Oregon	-	100	-	-	-	.33	-	110
Tennessee	-	21	-	-	-	.51	-	130
Utah	6,448	6,300	95.5	94.3	.40	.40	106	103
Washington	77	207	-	-	.29	.38	125	127
Wisconsin	2	32	-	-	.89	.37	149	161
Virginia	7,642	8,362	92.6	85.9	.78	.81	157	160
Alabama	-	103	-	-	-	1.12	-	159
Delaware	7	85	-	24.8	1.12	.61	149	175
Florida	249	426	100.0	100.0	.58	.58	214	214
Georgia	1,082	1,346	89.0	91.0	.79	.95	170	181
Indiana	510	-	100.0	-	.55	-	144	-
Kentucky	-	35	-	-	-	.67	-	175
Maryland	198	-	100.0	-	.52	-	180	-
Michigan	65	161	-	42.9	.64	.67	147	180
New Hampshire	19	-	-	-	.49	-	203	-
New Jersey	448	356	100.0	94.5	.56	.58	171	180
North Carolina	1,930	2,178	94.0	94.6	.85	.85	165	166
Ohio	41	17	-	-	.59	.55	142	136
South Carolina	496	471	96.3	99.1	1.03	1.00	155	153
Tennessee	327	611	100.0	76.5	1.11	1.05	125	125
Virginia	2,269	2,548	92.0	82.9	.77	.68	141	140
Wisconsin	-	25	-	-	-	.43	-	163
Washington	2,096	2,397	100.0	99.9	.97	.88	156	140
Washington	2,096	2,397	100.0	99.9	.97	.88	156	140
West Virginia	44,961	45,853	80.2	72.9	1.20	1.19	144	153
Alabama	1,483	1,368	67.8	59.4	1.09	.77	132	145
Connecticut	-	43	-	100.0	-	.50	-	171
Delaware	609	838	96.5	95.4	.61	.67	169	163
Florida	766	1,205	83.5	65.2	.92	1.22	178	175
Georgia	2,033	2,115	65.5	54.2	.56	.53	197	196
Illinois	-	184	-	12.4	-	.52	-	170
Indiana	280	905	76.8	38.9	.64	1.12	162	144
Kentucky	2,072	1,800	76.1	65.7	.78	.71	118	120
Maryland	2,870	2,790	77.6	70.1	.73	.82	146	150
Massachusetts	1,017	1,255	61.1	78.5	.55	.75	175	171
Michigan	2,312	2,880	77.6	70.6	.73	.70	156	159
Minnesota	3	-	-	-	1.88	.52	163	191
Mississippi	-	62	-	-	-	.76	-	152
Missouri	-	-	-	-	-	.56	-	225
New Hampshire	156	105	72.3	89.9	1.39	1.90	147	149
New Jersey	312	674	97.5	80.2	1.39	1.21	175	182
New York	1,785	1,208	88.8	64.7	1.71	1.39	133	149
North Carolina	2,909	3,733	99.6	69.3	.57	.68	172	169
Ohio	8,503	6,529	75.3	69.6	.85	1.37	138	143
Pennsylvania	4,029	4,090	99.3	91.9	2.37	2.15	149	156
South Carolina	1	38	100.0	38.2	.70	.81	180	170
Tennessee	76	124	-	-	1.83	1.33	114	122
Virginia	585	731	73.6	43.5	.64	.72	154	159
West Virginia	13,102	13,095	78.8	80.9	1.60	1.47	130	145
Wisconsin	57	80	-	86.7	.51	.53	153	171
Wyoming	125,476	110,024	80.3	76.7	.40	.41	120	121
Alabama	1,444	-	-	-	.38	-	113	-
Arkansas	6,614	5,768	97.1	93.9	.38	.39	163	167
Colorado	2,696	2,747	100.0	100.0	.37	.38	88	94

See footnotes at end of table.

**Table 37. Origin of Coal Received at Electric Utility Plants by Destination,
January-June 1995, 1994 (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)	
	1995	1994	1995	1994	1995	1994	1995	1994
Wyoming								
Florida	-	58	-	100.0	-	0.27	-	128
Georgia	3,298	1,835	-	-	0.42	.37	152	147
Illinois	6,955	4,745	91.0	84.1	.34	.35	196	195
Indiana	8,668	7,690	97.1	59.7	.36	.39	114	120
Iowa	9,148	7,087	78.1	51.5	.45	.44	99	96
Kansas	7,905	8,042	68.6	70.9	.43	.43	97	99
Louisiana	5,028	4,507	100.0	100.0	.46	.48	161	161
Michigan	3,690	2,478	77.8	77.7	.30	.36	112	113
Minnesota	3,520	4,112	93.4	97.2	.29	.30	117	117
Missouri	12,054	8,237	87.8	83.2	.29	.35	88	93
Nebraska	5,300	4,057	73.8	70.4	.38	.41	75	79
Nevada	216	523	100.0	100.0	.52	.53	216	202
Oklahoma	9,809	9,064	56.1	56.9	.40	.39	99	103
Oregon	531	992	-	-	.38	.39	112	103
Texas	19,337	19,845	94.1	95.0	.41	.41	164	160
Wisconsin	7,549	6,564	59.5	57.4	.38	.35	102	99
Wyoming	11,714	11,672	87.8	84.3	.57	.59	80	81
Imported Coal	2,111	2,495	77.3	59.0	.57	.54	173	152
South Africa	-	103	-	-	-	.57	-	184
Florida	-	103	-	-	-	.57	-	184
Canada	6	26	-	-	.48	.30	166	156
Michigan	-	20	-	-	-	.24	-	150
Washington	6	6	-	-	.48	.49	166	178
Colombia	910	1,617	80.7	56.0	.55	.56	153	145
Delaware	-	22	-	-	-	.47	-	168
Florida	598	1,294	95.5	56.2	.58	.57	149	143
Georgia	-	12	-	-	-	.61	-	214
Maryland	-	88	-	-	-	.53	-	147
Massachusetts	203	95	80.4	100.0	.49	.49	157	156
New Hampshire	109	84	-	100.0	.49	.49	164	136
New Jersey	-	23	-	-	-	.53	-	167
Venezuela	981	675	91.6	84.0	.61	.52	197	162
Florida	463	108	100.0	-	.74	.62	232	161
Massachusetts	435	567	100.0	100.0	.51	.50	166	162
New Hampshire	54	-	-	-	.53	-	155	-
New York	28	-	-	-	.42	-	224	-
Indonesia	214	73	-	-	.42	.33	140	165
Florida	214	-	-	-	.42	-	140	-
Louisiana	-	33	-	-	-	.08	-	168
New Hampshire	-	40	-	-	-	.49	-	162
U.S. Total	403,947	408,557	81.7	78.1	1.05	1.15	133	137

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

Coal Receipts	April - June 1995	January - March 1995	April - June 1994	Year to Date		
				1995	1994	Percent Change
By State						
Alabama	831	826	825	1,657	1,598	3.7
Illinois	w	w	w	w	w	w
Indiana	1,518	1,376	1,394	2,893	2,494	16.0
Kentucky	w	w	w	w	w	w
Maryland	w	w	w	w	w	w
Michigan	w	w	w	w	w	w
New York	w	w	w	w	w	w
Ohio	728	730	788	1,458	1,497	-2.6
Pennsylvania	2,675	2,901	2,838	5,577	5,385	3.6
Utah	w	w	w	w	w	w
Virginia	w	w	w	w	w	w
West Virginia	w	w	w	w	w	w
By Plant Type						
Merchant Coke Plants	1,075	1,050	1,084	2,125	2,039	4.2
Furnace Coke Plants	7,117	7,211	7,354	14,328	13,718	4.4
U.S. Total	8,192	8,261	8,438	16,453	15,756	4.4

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

Average Price ¹	April - June 1995	January - March 1995	April - June 1994	Year to Date		
				1995	1994	Percent Change
By State						
Alabama	\$48.47	\$48.45	\$46.92	\$48.46	\$47.12	2.8
Illinois	w	w	w	w	w	w
Indiana	\$52.64	\$52.42	\$50.95	\$52.53	\$50.95	3.1
Kentucky	w	w	w	w	w	w
Maryland	w	w	w	w	w	w
Michigan	w	w	w	w	w	w
New York	w	w	w	w	w	w
Ohio	\$41.86	\$41.57	\$42.29	\$41.72	\$43.01	-3.0
Pennsylvania	47.01	45.83	46.35	46.40	46.35	.1
Utah	w	w	w	w	w	w
Virginia	w	w	w	w	w	w
West Virginia	w	w	w	w	w	w
By Plant Type						
Merchant Coke Plants	\$48.26	\$48.54	\$46.99	\$48.40	\$47.04	2.9
Furnace Coke Plants	47.47	47.00	46.61	47.23	46.81	.9
U.S. Total	47.57	47.19	46.66	47.38	46.84	1.2

¹ Based on the cost including insurance and freight (c.i.f. cost).

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

Census Division and State	April - June 1995	January - March 1995	April - June 1994	Year to Date		
				1995	1994	Percent Change
New England Total	88	84	111	172	218	-20.9
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
Middle Atlantic Total	w	w	w	w	w	w
New Jersey	w	w	w	w	w	w
New York	324	260	368	584	642	-9.1
Pennsylvania	967	1,003	971	1,970	2,057	-4.2
East North Central Total	4,109	3,613	4,352	7,722	8,439	-8.5
Illinois	853	854	1,198	1,707	2,229	-23.4
Indiana	1,037	918	1,094	1,955	2,186	-10.6
Michigan	781	464	690	1,245	1,208	3.1
Ohio	975	1,003	888	1,978	1,947	1.6
Wisconsin	463	374	482	837	870	-3.8
West North Central Total	2,924	3,284	3,333	6,208	6,392	-2.9
Iowa	676	581	881	1,257	1,404	-10.5
Kansas	29	38	34	67	65	3.7
Minnesota	248	394	310	642	600	6.9
Missouri	262	256	288	518	545	-5.0
Nebraska	w	w	w	w	w	w
North Dakota	w	w	w	w	w	w
South Dakota	w	w	w	w	w	w
South Atlantic Total	w	w	w	w	w	w
Delaware	w	w	w	w	w	w
District of Columbia	-	-	-	-	-	-
Florida	298	313	308	610	637	-4.3
Georgia	418	585	416	1,002	913	9.8
Maryland	192	178	169	370	345	7.3
North Carolina	544	697	586	1,241	1,235	.5
South Carolina	464	551	589	1,015	1,210	-16.1
Virginia	627	689	679	1,316	1,359	-3.2
West Virginia	394	639	650	1,034	1,253	-17.5
East South Central Total	w	w	w	w	w	w
Alabama	547	570	624	1,117	1,224	-8.8
Kentucky	489	439	522	928	1,134	-18.1
Mississippi	w	w	w	w	w	w
Tennessee	930	978	1,006	1,908	1,993	-4.2
West South Central Total	1,589	1,633	1,598	3,222	3,092	4.2
Arkansas	87	88	88	175	171	2.1
Louisiana	w	w	w	w	w	w
Oklahoma	w	w	w	w	w	w
Texas	1,041	1,080	1,150	2,121	2,260	-6.1
Mountain Total	1,381	1,405	1,353	2,786	2,734	1.9
Arizona	169	173	173	342	351	-2.6
Colorado	163	164	189	327	419	-22.0
Idaho	80	138	111	218	281	-22.4
Montana	w	w	w	w	w	w
Nevada	w	w	w	w	w	w
New Mexico	w	w	w	w	w	w
Utah	271	193	250	464	370	25.3
Wyoming	490	508	432	998	895	11.5
Pacific Total	650	774	625	1,424	1,252	13.8
Alaska	-	-	*	-	*	-
California	520	663	546	1,183	1,062	11.4
Hawaii	w	w	w	w	w	w
Oregon	w	w	w	w	w	w
Washington	53	47	41	99	100	-7
U.S. Total	17,036	17,802	18,408	34,838	36,398	-4.3

* 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", and Form EIA-6, "Coal Distribution Report."

**Table 41. Average Price of Coal Receipts at Other Industrial Plants
by Census Division and State
(Dollars per Short Ton)**

Census Division and State	April - June 1995	January - March 1995	April - June 1994	Year to Date		
				1995	1994	Percent Change
New England Total	\$56.80	\$58.92	\$57.28	\$57.66	\$56.95	1.3
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
Middle Atlantic Total	w	w	w	w	w	w
New Jersey	w	w	w	w	w	w
New York	\$42.59	\$41.35	\$42.22	\$42.04	\$43.14	-2.6
Pennsylvania	33.13	34.15	33.71	33.65	33.62	.1
East North Central Total	34.58	35.22	35.09	34.89	34.98	-3
Illinois	29.40	28.83	29.04	29.11	28.86	.9
Indiana	32.68	32.43	31.90	32.56	31.75	2.6
Michigan	39.29	45.07	41.47	41.39	42.87	-3.5
Ohio	34.78	36.76	35.70	35.84	35.96	-.3
Wisconsin	40.79	40.82	43.34	40.80	42.58	-4.2
West North Central Total	18.87	18.38	17.86	18.61	18.10	2.8
Iowa	30.07	26.53	28.94	28.43	27.99	1.6
Kansas	31.37	33.33	31.46	32.51	32.47	.1
Minnesota	36.08	34.61	40.80	35.13	37.03	-5.1
Missouri	32.11	33.32	32.85	32.71	33.83	-3.3
Nebraska	w	w	w	w	w	w
North Dakota	w	w	w	w	w	w
South Dakota	w	w	w	w	w	w
South Atlantic Total	w	w	w	w	w	w
Delaware	w	w	w	w	w	w
District of Columbia	-	-	-	-	-	-
Florida	\$46.82	\$46.68	\$46.36	\$46.75	\$46.35	.9
Georgia	44.83	45.37	45.47	45.12	45.67	-1.2
Maryland	31.90	31.59	31.49	31.75	32.15	-1.3
North Carolina	43.86	42.83	42.78	43.29	43.05	.6
South Carolina	43.15	42.75	44.46	42.93	43.80	-2.0
Virginia	42.54	43.07	40.99	42.82	41.15	4.1
West Virginia	34.33	34.56	32.87	34.46	32.78	5.1
East South Central Total	w	w	w	w	w	w
Alabama	\$39.87	\$39.48	\$39.32	\$39.67	\$39.01	1.7
Kentucky	45.57	44.63	41.88	45.05	42.84	5.2
Mississippi	w	w	w	w	w	w
Tennessee	\$36.06	\$35.25	\$34.79	\$35.65	\$35.27	1.1
West South Central Total	22.40	22.43	22.89	22.42	22.66	-1.9
Arkansas	42.72	43.55	44.41	43.13	44.08	-2.2
Louisiana	w	w	w	w	w	w
Oklahoma	w	w	w	w	w	w
Texas	\$18.60	\$19.08	\$19.19	\$18.84	\$19.50	-3.4
Mountain Total	26.82	28.24	29.19	27.52	28.93	-4.9
Arizona	40.80	42.10	41.91	41.45	41.39	.1
Colorado	27.48	26.05	29.16	26.76	29.02	-7.8
Idaho	31.52	33.73	33.95	33.01	33.19	-.5
Montana	w	w	w	w	w	w
Nevada	w	w	w	w	w	w
New Mexico	w	w	w	w	w	w
Utah	\$18.82	\$25.30	\$27.13	\$19.90	\$26.77	-25.7
Wyoming	22.74	22.87	22.93	22.81	22.84	-.2
Pacific Total	43.84	43.86	44.54	43.85	45.18	-2.9
Alaska	-	-	-	-	-	-
California	40.53	42.97	42.96	41.74	43.29	-3.6
Hawaii	w	w	w	w	w	w
Oregon	w	w	w	w	w	w
Washington	\$59.89	\$57.94	\$59.00	\$58.93	\$57.74	2.1
U.S. Total	32.47	32.46	32.42	32.46	32.59	-.4

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

SIC Code	April - June 1995	January - March 1995	April - June 1994	Year to Date		
				1995	1994	Percent Change
20 Food and kindred products	1,783	2,192	1,808	3,975	3,904	1.8
21 Tobacco products	135	158	145	293	326	-10.3
22 Textile mill products	203	316	289	519	673	-23.0
23 Apparel, other textile products	w	w	w	w	w	w
24 Lumber and wood products	26	14	23	40	40	-1.1
25 Furniture and fixtures	18	22	33	40	58	-31.4
26 Paper and allied products	2,993	3,183	3,085	6,176	6,277	-1.6
27 Printing and publishing	w	w	w	w	w	w
28 Chemicals, allied products	3,146	3,302	3,332	6,449	6,656	-3.1
29 Petroleum and coal products ¹	1,766	1,980	1,942	3,746	3,797	-1.3
30 Rubber, misc. plastic products	51	67	65	118	135	-12.3
31 Leather, leather products	w	w	w	w	w	w
32 Stone, clay, glass products	3,405	2,704	3,640	6,108	6,444	-5.2
33 Primary metal industries ²	1,762	1,628	1,832	3,390	3,623	-6.4
34 Fabricated metal products	47	78	51	125	149	-16.1
35 Machinery, except electric	98	106	84	204	212	-3.7
36 Electric, electronic equipment	24	45	46	68	141	-51.7
37 Transportation equipment	w	w	w	w	w	w
38 Instruments, related products	w	w	w	w	w	w
39 Misc. manufacturing industries	w	w	w	w	w	w
U.S. Total	15,894	16,466	16,922	32,360	33,676	-3.9

¹ Includes coal gasification projects.

² Excludes coke plants.

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-3, "Quarterly Coal Consumption Report - Manufacturing Plants."

Table 43. Average Price of U.S. Coal Receipts at Manufacturing Plants by Standard Industrial Classification (SIC) Code
(Dollars per Short Ton)

SIC Code	April - June 1995	January - March 1995	April - June 1994	Percent Difference April - June: 1995 versus 1994
20 Food and kindred products	\$31.45	\$30.22	\$29.79	5.6
21 Tobacco products	46.42	46.70	45.72	1.5
22 Textile mill products	45.84	46.26	46.23	-.8
23 Apparel, other textile products	w	w	w	w
24 Lumber and wood products	\$45.51	\$42.04	\$44.65	1.9
25 Furniture and fixtures	48.50	48.25	48.99	-1.0
26 Paper and allied products	39.57	38.53	39.51	.2
27 Printing and publishing	w	w	w	w
28 Chemicals, allied products	\$34.82	\$34.82	\$35.61	-2.2
29 Petroleum and coal products ¹	12.35	12.36	11.60	6.5
30 Rubber, misc. plastic products	35.60	36.90	36.90	-3.5
31 Leather, leather products	w	w	w	w
32 Stone, clay, glass products	\$35.05	\$36.05	\$35.65	-1.7
33 Primary metal industries ²	26.19	27.41	25.68	2.0
34 Fabricated metal products	46.95	47.93	46.59	.8
35 Machinery, except electric	37.45	34.38	36.80	1.8
36 Electric, electronic equipment	44.58	43.85	44.67	-.2
37 Transportation equipment	w	w	w	w
38 Instruments, related products	w	w	w	w
39 Misc. manufacturing industries	w	w	w	w
U.S. Total	\$32.47	\$32.46	\$32.47	.0

¹ Includes coal gasification projects.

² Excludes coke plants.

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-3, "Quarterly Coal Consumption Report - Manufacturing Plants."

**Table 44. Coal Receipts by the Residential and Commercial Sector
by Census Division and State
(Thousand Short Tons)**

Census Division and State	April-June 1995	January-March 1995	April-June 1994	Year to Date		
				1995	1994	Percent Change
New England Total	3	8	3	11	22	-48.9
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
Middle Atlantic Total	254	397	241	651	718	-9.2
New Jersey	w	w	w	w	w	w
New York	w	w	w	w	w	w
Pennsylvania	221	337	209	558	623	-10.5
East North Central Total	247	413	346	659	834	-20.9
Illinois	w	w	w	w	w	w
Indiana	45	94	80	139	197	-29.2
Michigan	w	w	w	w	w	w
Ohio	76	109	108	185	330	-43.8
Wisconsin	w	w	w	w	w	w
West North Central Total	w	w	w	w	w	w
Iowa	26	*	22	27	32	-16.5
Kansas	*	*	1	1	11	-94.9
Minnesota	97	75	47	172	107	60.3
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
South Atlantic Total	147	233	181	380	461	-17.6
Delaware	w	w	w	w	w	w
District of Columbia	-	*	7	*	28	-99.0
Florida	*	*	*	*	19	-98.9
Georgia	10	33	*	43	13	221.1
Maryland	w	w	w	w	w	w
North Carolina	49	81	45	130	114	14.4
South Carolina	1	14	27	15	59	-74.4
Virginia	w	w	w	w	w	w
West Virginia	w	w	w	w	w	w
East South Central Total	48	96	68	145	259	-44.2
Alabama	*	1	*	1	6	-82.4
Kentucky	w	w	w	w	w	w
Tennessee	w	w	w	w	w	w
West South Central Total	1	15	*	16	1	NM
Arkansas	-	-	*	-	*	-
Louisiana	w	w	w	w	w	w
Oklahoma	w	w	w	w	w	w
Texas	-	-	*	-	*	-
Mountain Total	w	w	w	w	w	w
Arizona	2	*	*	3	*	NM
Colorado	2	4	3	5	8	-35.4
Idaho	12	9	7	21	22	-3.8
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	14	66	32	80	112	-28.7
Pacific Total	149	171	136	320	343	-6.7
Alaska	104	153	77	256	229	12.2
California	33	*	42	33	74	-55.1
Oregon	-	*	-	*	*	NM
Washington	12	18	18	30	40	-24.8
U.S. Total	1,032	1,638	1,187	2,670	3,203	-16.6

* Quantity is less than 500 short tons or percent is less than .05.

NM Not meaningful as value is greater than or equal to 500.

w Withheld to avoid disclosure of individual company data.

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

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

Consumption

About 8 tons out of every 10 tons of coal produced annually are used to generate electricity. More than any other industry, coal-consuming electric utilities account for well over three quarters of total domestic coal consumption.

Figure 10. Quarterly U.S. Coal Consumption, 1987-1995

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-6, "Coke Plant Report - Quarterly;" Other Industrial: Form EIA-3, "Quarterly Coal Consumption Report - Manufacturing Plants" and Form EIA-6, "Coal Distribution Report;" Residential and Commercial: Form EIA-6, "Coal Distribution Report."

Table 45. U.S. Coal Consumption by End-Use Sector 1987-1995
(Thousand Short Tons)

Year and Quarter	Electric Utilities	Coke Plants	Other Industrial	Residential and Commercial	Total
1987 January - March	170,777	7,831	19,106	1,809	199,523
April - June	171,418	9,344	17,610	1,254	199,627
July - September	200,070	9,707	18,006	1,613	229,397
October - December	175,629	10,075	20,453	2,238	208,394
Total	717,894	36,957	75,175	6,914	836,941
1988 January - March	188,009	10,357	20,416	2,004	220,787
April - June	176,007	10,536	17,786	1,406	205,735
July - September	208,542	10,483	17,923	1,725	238,672
October - December	185,814	10,512	20,127	1,994	218,448
Total	758,372	41,888	76,252	7,130	883,642
1989 January - March	191,556	10,208	19,885	1,837	223,486
April - June	178,306	10,365	18,211	1,143	208,025
July - September	203,123	10,008	17,631	1,264	232,026
October - December	193,903	9,927	20,408	1,924	226,163
Total	766,888	40,508	76,134	6,167	889,699
1990 January - March	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
Total	773,549	38,877	76,330	6,724	895,480
1991 January - March	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
Total	772,268	33,854	75,405	6,094	887,621
1992 January - March	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
Total	779,860	32,366	74,042	6,153	892,421
1993 January - March	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
Total	813,508	31,323	74,892	6,221	925,944
1994 January - March	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
Total	817,270	31,740	75,179	6,013	930,201
1995 January - March	199,030	8,140	18,996	1,638	227,804
April - June	191,108	8,291	16,908	1,032	217,339
Total	390,138	16,431	35,904	2,670	445,143

Notes: Consumption data for 1995 exclude an EIA estimated 4 million short tons per quarter which are consumed by independent power producers to generate electricity and cogeneration plants not included in the other industrial, coke, and commercial sectors. In 1989, 1990, 1991, 1992, 1993, and 1994 these excluded quarterly estimated consumption data were: 219, 400, 1500, 2500, 3086, and 3785 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" and Form EIA-6, "Coal Distribution Report" • Residential and Commercial: Form EIA-6, "Coal Distribution Report."

Table 46. Coal Consumption by Census Division and State
(Thousand Short Tons)

Census Division and State	April - June 1995	January - March 1995	April - June 1994	Year to Date		
				1995	1994	Percent Change
New England Total	1,450	1,682	1,486	3,133	3,274	-4.3
Connecticut	174	248	254	421	477	-11.6
Maine	65	63	103	128	197	-35.3
Massachusetts	932	982	917	1,914	2,003	-4.5
New Hampshire	279	389	212	669	594	12.6
Rhode Island	-	*	-	*	1	-68.9
Vermont	*	1	*	1	1	-31.5
Middle Atlantic Total	16,179	17,249	16,140	33,428	34,256	-2.4
New Jersey	463	433	548	896	1,258	-28.8
New York	2,626	2,878	2,704	5,504	5,897	-6.7
Pennsylvania	13,089	13,938	12,889	27,027	27,101	-.3
East North Central Total	51,315	53,667	51,665	104,982	107,154	-2.0
Illinois	9,127	9,833	9,536	18,960	19,530	-2.9
Indiana	14,272	15,681	14,352	29,953	29,735	.7
Michigan	8,775	8,820	8,494	17,586	17,527	.4
Ohio	13,505	14,077	13,637	27,582	29,342	-6.0
Wisconsin	5,635	5,256	5,646	10,891	11,020	-1.2
West North Central Total	29,743	33,272	28,707	63,015	60,442	4.3
Iowa	4,803	5,245	4,487	10,048	9,459	6.2
Kansas	3,912	4,063	4,004	7,975	8,419	-5.3
Minnesota	4,483	4,949	4,747	9,432	9,028	4.5
Missouri	7,067	7,728	5,973	14,795	12,879	14.9
Nebraska	2,356	2,655	1,855	5,011	4,393	14.1
North Dakota	6,455	7,813	6,806	14,268	14,657	-2.7
South Dakota	668	818	836	1,486	1,606	-7.5
South Atlantic Total	36,011	36,668	36,886	72,680	75,202	-3.4
Delaware	480	569	497	1,049	1,170	-10.3
District of Columbia	-	*	7	*	28	-99.0
Florida	6,447	6,001	6,593	12,448	12,458	-.1
Georgia	7,806	6,857	7,180	14,663	14,024	4.6
Maryland	2,485	2,547	2,648	5,032	5,253	-4.2
North Carolina	5,589	5,209	5,984	10,798	12,276	-12.0
South Carolina	2,965	2,829	3,054	5,795	6,319	-8.3
Virginia	2,992	3,520	3,044	6,512	6,721	-3.1
West Virginia	7,246	9,135	7,880	16,382	16,952	-3.4
East South Central Total	26,110	24,505	24,648	50,614	49,123	3.0
Alabama	8,665	7,271	7,966	15,936	15,515	2.7
Kentucky	9,563	9,522	9,001	19,085	19,041	.2
Mississippi	1,237	1,186	1,133	2,423	1,845	31.3
Tennessee	6,645	6,526	6,548	13,170	12,722	3.5
West South Central Total	31,818	31,434	35,141	63,253	70,869	-10.7
Arkansas	2,838	2,953	3,676	5,790	7,009	-17.4
Louisiana	3,380	3,105	3,555	6,484	7,132	-9.1
Oklahoma	4,098	4,928	4,348	9,026	9,086	-.7
Texas	21,502	20,450	23,561	41,952	47,641	-11.9
Mountain Total	23,639	27,349	26,132	50,988	54,904	-7.1
Arizona	3,778	3,974	4,890	7,752	9,469	-18.1
Colorado	4,008	4,264	4,215	8,272	8,681	-4.7
Idaho	34	178	61	213	268	-20.8
Montana	1,730	3,026	2,187	4,756	5,186	-8.3
Nevada	1,626	1,592	1,717	3,218	3,624	-11.2
New Mexico	3,346	3,732	3,562	7,078	7,155	-1.1
Utah	3,362	3,687	3,728	7,049	7,695	-8.4
Wyoming	5,755	6,896	5,773	12,652	12,826	-1.4
Pacific Total	1,074	1,978	2,341	3,051	5,518	-44.7
Alaska	170	229	145	399	357	11.9
California	525	610	582	1,135	1,090	4.1
Hawaii	36	23	18	58	39	48.7
Oregon	15	265	337	281	1,019	-72.4
Washington	327	851	1,259	1,178	3,012	-60.9
U.S. Total	217,339	227,804	223,145	445,143	460,741	-3.4

* Rounded to zero.

Notes: Consumption data for 1995 exclude an EIA estimated 4 million short tons per quarter which are consumed by independent power producers to generate electricity and cogeneration plants not included in the other industrial, coke, and commercial sectors. In 1989, 1990, 1991, 1992, 1993, and 1994 these excluded quarterly estimated consumption data were: 219, 400, 1500, 2500, 3086, and 3785 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-5, "Coke Plant Report - Quarterly"; and Form EIA-6, "Coal Distribution Report."

Table 47. Coal Consumption at Electric Utility Plants by Census Division and State
(Thousand Short Tons)

Census Division and State	April - June 1995	January - March 1995	April - June 1994	Year to Date		
				1995	1994	Percent Change
New England Total	1,373	1,602	1,364	2,975	3,024	-1.6
Connecticut	173	246	254	419	473	-11.3
Maine	-	-	-	-	-	-
Massachusetts	921	968	899	1,888	1,960	-3.7
New Hampshire	279	388	212	667	591	12.9
Rhode Island	-	-	-	-	-	-
Vermont	-	-	-	-	-	-
Middle Atlantic Total	11,557	12,419	11,485	23,975	24,664	-2.8
New Jersey	459	427	520	886	1,187	-25.4
New York	1,913	2,111	1,969	4,024	4,387	-8.3
Pennsylvania	9,185	9,881	8,996	19,066	19,090	-1
East North Central Total	43,977	45,833	44,296	89,810	91,824	-2.2
Illinois	7,655	8,302	7,779	15,958	16,045	-5
Indiana	11,737	12,998	12,052	24,735	25,099	-1.5
Michigan	7,739	7,574	7,452	15,313	15,176	.9
Ohio	11,725	12,224	11,838	23,949	25,465	-6.0
Wisconsin	5,122	4,733	5,175	9,855	10,039	-1.8
West North Central Total	26,700	29,576	25,506	56,276	53,822	4.6
Iowa	4,127	4,500	3,822	8,627	8,081	6.8
Kansas	3,880	4,028	3,969	7,908	8,342	-5.2
Minnesota	4,119	4,449	4,386	8,568	8,301	3.2
Missouri	6,784	7,393	5,644	14,178	12,214	16.1
Nebraska	2,313	2,556	1,796	4,869	4,223	15.3
North Dakota	4,894	5,927	5,173	10,821	11,277	-4.0
South Dakota	583	722	715	1,305	1,384	-5.7
South Atlantic Total	32,061	31,988	32,624	64,049	66,255	-3.3
Delaware	437	534	443	970	1,054	-7.9
District of Columbia	-	-	-	-	-	-
Florida	6,116	5,678	6,330	11,793	11,828	-.3
Georgia	7,362	6,249	6,744	13,611	13,109	3.8
Maryland	2,283	2,333	2,463	4,616	4,878	-5.4
North Carolina	4,962	4,439	5,362	9,401	10,908	-13.8
South Carolina	2,496	2,247	2,444	4,743	5,040	-5.9
Virginia	2,024	2,497	2,047	4,521	4,684	-3.5
West Virginia	6,382	8,011	6,789	14,393	14,753	-2.4
East South Central Total	22,856	21,165	21,311	44,020	42,192	4.3
Alabama	7,280	5,893	6,560	13,173	12,718	3.6
Kentucky	8,708	8,673	8,148	17,381	17,123	1.5
Mississippi	1,169	1,118	1,046	2,287	1,698	34.7
Tennessee	5,699	5,480	5,557	11,179	10,654	4.9
West South Central Total	30,212	29,811	33,574	60,023	66,966	-10.4
Arkansas	2,745	2,867	3,589	5,612	6,841	-18.0
Louisiana	3,226	2,956	3,457	6,182	6,873	-10.0
Oklahoma	3,755	4,622	4,154	8,377	8,721	-3.9
Texas	20,486	19,366	22,373	39,852	44,531	-10.5
Mountain Total	22,034	25,570	24,501	47,604	51,442	-7.5
Arizona	3,602	3,811	4,725	7,413	9,127	-18.8
Colorado	3,850	4,091	4,027	7,941	8,247	-3.7
Idaho	-	-	-	-	-	-
Montana	1,630	2,859	2,061	4,489	4,887	-8.1
Nevada	1,540	1,536	1,662	3,077	3,525	-12.7
New Mexico	3,325	3,712	3,542	7,036	7,116	-1.1
Utah	2,836	3,229	3,192	6,065	6,757	-10.2
Wyoming	5,251	6,331	5,292	11,582	11,784	-1.7
Pacific Total	338	1,068	1,595	1,405	3,980	-64.7
Alaska	66	76	68	142	128	11.3
California	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-
Oregon	4	214	326	219	979	-77.7
Washington	267	778	1,200	1,044	2,873	-63.6
U.S. Total	191,108	199,030	196,254	390,138	404,169	-3.5

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

Source: Energy Information Administration, Form EIA-759, "Monthly Power Plant Report."

Table 48. Coal Carbonized at Coke Plants by Census Division and State
(Thousand Short Tons)

Census Division and State	April - June 1995	January - March 1995	April - June 1994	Year to Date		
				1995	1994	Percent Change
New England Total	-	-	-	-	-	-
Connecticut	-	-	-	-	-	-
Maine	-	-	-	-	-	-
Massachusetts	-	-	-	-	-	-
New Hampshire	-	-	-	-	-	-
Rhode Island	-	-	-	-	-	-
Vermont	-	-	-	-	-	-
Middle Atlantic Total	W	W	W	W	W	W
New Jersey	-	-	-	-	-	-
New York	W	W	W	W	W	W
Pennsylvania	2,706	2,678	2,714	5,384	5,345	0.7
East North Central Total	3,150	3,029	2,859	6,179	5,632	9.7
Illinois	W	W	W	W	W	W
Indiana	1,479	1,454	1,198	2,932	2,356	24.5
Michigan	W	W	W	W	W	W
Ohio	722	734	798	1,456	1,556	-6.4
Wisconsin	-	-	-	-	-	-
West North Central Total	-	-	-	-	-	-
Iowa	-	-	-	-	-	-
Kansas	-	-	-	-	-	-
Minnesota	-	-	-	-	-	-
Missouri	-	-	-	-	-	-
Nebraska	-	-	-	-	-	-
North Dakota	-	-	-	-	-	-
South Dakota	-	-	-	-	-	-
South Atlantic Total	W	W	W	W	W	W
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
East South Central Total	W	W	W	W	W	W
Alabama	821	803	812	1,624	1,614	.6
Kentucky	W	W	W	W	W	W
Mississippi	-	-	-	-	-	-
Tennessee	-	-	-	-	-	-
West South Central Total	-	-	-	-	-	-
Arkansas	-	-	-	-	-	-
Louisiana	-	-	-	-	-	-
Oklahoma	-	-	-	-	-	-
Texas	-	-	-	-	-	-
Mountain Total	W	W	W	W	W	W
Arizona	-	-	-	-	-	-
Colorado	-	-	-	-	-	-
Idaho	-	-	-	-	-	-
Montana	-	-	-	-	-	-
Nevada	-	-	-	-	-	-
New Mexico	-	-	-	-	-	-
Utah	W	W	W	W	W	W
Wyoming	-	-	-	-	-	-
Pacific Total	-	-	-	-	-	-
Alaska	-	-	-	-	-	-
California	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-
Oregon	-	-	-	-	-	-
Washington	-	-	-	-	-	-
By Plant Type						
Merchant Coke Plants	1,075	1,042	1,050	2,117	2,081	1.7
Furnace Coke Plants	7,216	7,097	6,915	14,314	13,637	5.0
U.S. Total	8,291	8,140	7,965	16,431	15,719	4.5

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

Census Division and State	April - June, 1995	January - March 1995	April - June 1994	Year to Date		
				1995	1994	Percent Change
New England Total	75	72	119	147	229	-35.6
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
Middle Atlantic Total	w	w	w	w	w	w
New Jersey	w	w	w	w	w	w
New York	335	366	374	701	774	-9.4
Pennsylvania	977	1,042	970	2,019	2,042	-1.1
East North Central Total	3,941	4,393	4,164	8,334	8,864	-6.0
Illinois	843	961	1,183	1,804	2,310	-21.9
Indiana	1,012	1,134	1,022	2,146	2,083	3.0
Michigan	635	809	606	1,443	1,510	-4.4
Ohio	982	1,009	892	1,992	1,992	*
Wisconsin	469	480	460	948	970	-2.2
West North Central Total	2,903	3,501	3,054	6,404	6,258	2.3
Iowa	649	745	643	1,394	1,347	3.5
Kansas	31	35	34	66	67	-8
Minnesota	267	425	314	692	619	11.8
Missouri	271	270	269	541	540	.1
Nebraska	w	w	w	w	w	w
North Dakota	w	w	w	w	w	w
South Dakota	w	w	w	w	w	w
South Atlantic Total	w	w	w	w	w	w
Delaware	w	w	w	w	w	w
District of Columbia	-	-	-	-	-	-
Florida	331	323	263	654	611	7.0
Georgia	435	574	435	1,009	902	11.9
Maryland	191	183	183	374	358	4.3
North Carolina	579	689	577	1,268	1,254	1.1
South Carolina	468	568	582	1,036	1,220	-15.1
Virginia	656	728	677	1,384	1,400	-1.2
West Virginia	422	648	636	1,070	1,291	-17.1
East South Central Total	w	w	w	w	w	w
Alabama	564	574	594	1,138	1,177	-3.3
Kentucky	489	446	499	935	1,087	-14.0
Mississippi	w	w	w	w	w	w
Tennessee	913	1,008	971	1,921	2,019	-4.9
West South Central Total	1,604	1,609	w	3,213	3,902	-17.7
Arkansas	93	85	87	178	168	6.2
Louisiana	w	w	w	w	w	w
Oklahoma	w	w	w	w	w	w
Texas	1,016	1,084	1,188	2,100	3,110	-32.5
Mountain Total	1,322	1,428	1,308	2,750	2,755	-2
Arizona	174	163	165	337	342	-1.5
Colorado	157	169	185	325	426	-23.7
Idaho	22	169	53	191	246	-22.3
Montana	w	w	w	w	w	w
Nevada	w	w	w	w	w	w
New Mexico	w	w	w	w	w	w
Utah	273	195	256	468	380	23.4
Wyoming	490	499	450	989	930	6.3
Pacific Total	587	739	611	1,326	1,195	11.0
Alaska	-	w	*	w	*	-
California	492	610	540	1,102	1,016	8.5
Hawaii	w	w	w	w	w	w
Oregon	w	w	w	w	w	w
Washington	48	55	41	104	99	4.5
U.S. Total	16,908	18,996	17,739	35,904	37,650	-4.6

* Rounded to zero.

† 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"; and Form EIA-6, "Coal Distribution Report."

Table 50. U.S. Coal Consumption at Manufacturing Plants by Standard Industrial Classification (SIC) Code
(Thousand Short Tons)

SIC Code	April - June 1995	January - March 1995	April - June 1994	Year to Date		
				1995	1994	Percent Change
20 Food and kindred products	1,734	2,361	1,599	4,095	3,887	5.3
21 Tobacco products	147	161	153	308	334	-7.8
22 Textile mill products	224	324	303	549	668	-17.9
23 Apparel, other textile products	w	w	w	w	w	w
24 Lumber and wood products	24	24	30	48	60	-21.2
25 Furniture and fixtures	14	29	19	43	43	1.3
26 Paper and allied products	3,047	3,399	3,033	6,446	6,489	-.7
27 Printing and publishing	w	w	w	w	w	w
28 Chemicals, allied products	3,129	3,445	3,239	6,574	6,823	-3.7
29 Petroleum and coal products ¹	1,769	1,964	1,845	3,734	3,655	2.2
30 Rubber, misc. plastic products	52	69	63	121	138	-12.3
31 Leather, leather products	w	w	w	w	w	w
32 Stone, clay, glass products	3,234	3,044	3,411	6,279	6,418	-2.2
33 Primary metal industries ²	1,734	1,789	1,759	3,523	3,502	.6
34 Fabricated metal products	58	99	59	157	170	-7.5
35 Machinery, except electric	83	160	80	243	254	-4.2
36 Electric, electronic equipment	23	50	44	72	140	-48.3
37 Transportation equipment	w	w	w	w	w	w
38 Instruments, related products	w	w	w	w	w	w
39 Misc. manufacturing industries	w	w	w	w	w	w
U.S. Total	15,740	17,631	16,174	33,371	33,945	-1.7

¹ Includes coal gasification projects.

² Excludes coke plants.

^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-3, "Quarterly Coal Consumption Report - Manufacturing Plants."

**Table 51. Coal Consumption by Residential and Commercial Sector by Census
Division and State
(Thousand Short Tons)**

Census Division and State	April - June 1995	January - March 1995	April - June 1994	Year to Date		
				1995	1994	Percent Change
New England Total	3	8	3	11	22	-48.9
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
Middle Atlantic Total	254	397	241	651	718	-9.2
New Jersey	w	w	w	w	w	w
New York	w	w	w	w	w	w
Pennsylvania	221	337	209	558	623	-10.5
East North Central Total	247	413	346	659	834	-20.9
Illinois	w	w	w	w	w	w
Indiana	45	94	80	139	197	-29.2
Michigan	w	w	w	w	w	w
Ohio	76	109	108	185	330	-43.8
Wisconsin	w	w	w	w	w	w
West North Central Total	w	w	w	w	w	w
Iowa	26	*	22	27	32	-16.5
Kansas	*	*	1	1	11	-94.9
Minnesota	97	75	47	172	107	60.3
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
South Atlantic Total	147	233	181	380	461	-17.6
Delaware	w	w	w	w	w	w
District of Columbia	-	*	7	*	28	-99.0
Florida	*	*	*	*	19	-98.9
Georgia	10	33	*	43	13	221.1
Maryland	w	w	w	w	w	w
North Carolina	49	81	45	130	114	14.4
South Carolina	1	14	27	15	59	-74.4
Virginia	w	w	w	w	w	w
West Virginia	w	w	w	w	w	w
East South Central Total	48	96	68	145	259	-44.2
Alabama	*	1	*	1	6	-82.4
Kentucky	w	w	w	w	w	w
Mississippi	w	w	w	w	w	w
Tennessee	w	w	w	w	w	w
West South Central Total	1	15	*	16	1	NM
Arkansas	-	-	*	-	*	-
Louisiana	w	w	w	w	w	w
Oklahoma	w	w	w	w	w	w
Texas	-	-	*	-	*	-
Mountain Total	w	w	w	w	w	w
Arizona	2	*	*	3	*	NM
Colorado	2	4	3	5	8	-35.4
Idaho	12	9	7	21	22	-3.8
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	14	66	32	80	112	-28.7
Pacific Total	149	171	136	320	343	-6.7
Alaska	104	153	77	256	229	12.2
California	33	*	42	33	74	-55.1
Hawaii	w	w	w	w	w	w
Oregon	w	w	w	w	w	w
Washington	12	18	18	30	40	-24.8
U.S. Total	1,032	1,638	1,187	2,670	3,203	-16.6

* Rounded to zero.

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

w Withheld to avoid disclosure of individual company data.

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

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

Stocks

Large quantities of coal produced by many mines are collected and stockpiled in an orderly fashion at storage facility.

Figure 11. Quarterly U.S. Coal Stocks, 1987-1995

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, "Coal Distribution Report."

Table 52. U.S. Coal Stocks, 1987-1995
(Thousand Short Tons)

Last Day of Quarter	Coal Consumers ¹				Coal Producers and Distributors	Total
	Electric Utilities	Coke Plants	Other Industrial ²	Total		
1987 March 31	161,648	2,675	8,850	173,173	36,560	209,733
June 30	163,361	3,735	8,941	176,037	33,939	209,976
September 30	151,961	3,340	10,297	165,598	28,775	194,373
December 31	170,797	3,884	10,777	185,459	28,321	213,780
1988 March 31	162,603	4,057	8,619	175,279	36,764	212,044
June 30	161,215	3,763	8,331	173,308	36,079	209,386
September 30	142,830	2,877	8,624	154,331	31,360	185,691
December 31	146,507	3,137	8,768	158,413	30,418	188,831
1989 March 31	139,036	3,518	6,683	149,238	35,508	184,745
June 30	148,981	3,361	6,671	159,013	30,598	189,612
September 30	135,640	3,707	7,818	147,165	28,848	176,013
December 31	135,860	2,864	7,363	146,087	29,000	175,087
1990 March 31	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
1991 March 31	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
1992 March 31	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
1993 March 31	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
1994 March 31	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
1995 March 31	135,315	2,719	5,422	143,456	42,340	185,796
June 30	143,596	2,624	5,612	151,833	42,097	193,930

¹ Stock data for the Residential and Commercial sector are not included. See Technical Note 7 in Appendix C.

² 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, "Coal Distribution Report."

**Table 53. Consumer Coal Stocks by Census Division and State,
June 30, 1995
(Thousand Short Tons)**

Census Division and State	Electric Utilities	Coke Plants	Other Industrial ¹	Total
New England Total	1,232	-	65	1,297
Connecticut	169	-	w	w
Maine	-	-	w	w
Massachusetts	691	-	w	w
New Hampshire	373	-	w	w
Rhode Island	-	-	w	w
Vermont	-	-	w	w
Middle Atlantic Total	12,231	w	w	13,628
New Jersey	704	-	w	w
New York	986	w	158	w
Pennsylvania	10,541	887	252	11,679
East North Central Total	35,001	1,060	1,859	37,920
Illinois	5,289	w	331	w
Indiana	10,856	522	504	11,882
Michigan	7,462	w	667	w
Ohio	7,841	157	141	8,139
Wisconsin	3,553	-	216	3,769
West North Central Total	19,240	-	801	20,041
Iowa	4,520	-	403	4,922
Kansas	3,537	-	14	3,551
Minnesota	1,930	-	49	1,979
Missouri	5,198	-	136	5,334
Nebraska	1,734	-	w	w
North Dakota	2,229	-	w	w
South Dakota	93	-	w	w
South Atlantic Total	24,428	w	w	25,414
Delaware	285	-	w	w
District of Columbia	-	-	-	-
Florida	4,122	-	69	4,191
Georgia	4,992	-	137	5,129
Maryland	1,447	w	32	w
North Carolina	4,234	-	153	4,386
South Carolina	2,219	-	257	2,476
Virginia	1,669	w	149	w
West Virginia	5,461	w	94	w
East South Central Total	10,747	w	w	11,672
Alabama	3,831	339	167	4,337
Kentucky	4,476	w	105	w
Mississippi	698	-	w	w
Tennessee	1,741	-	245	1,986
West South Central Total	20,990	-	451	21,441
Arkansas	2,966	-	22	2,988
Louisiana	2,857	-	46	2,902
Oklahoma	3,858	-	144	4,002
Texas	11,309	-	239	11,548
Mountain Total	17,131	w	316	w
Arizona	3,802	-	50	3,852
Colorado	3,821	-	30	3,851
Idaho	-	-	114	114
Montana	498	-	w	w
Nevada	1,468	-	w	w
New Mexico	1,172	-	w	w
Utah	3,578	w	9	w
Wyoming	2,791	-	88	2,879
Pacific Total	2,596	-	292	2,888
Alaska	1	-	-	1
California	-	-	207	207
Hawaii	-	-	w	w
Oregon	493	-	w	w
Washington	2,102	-	33	2,135
U.S. Total	143,596	2,624	5,612	151,833

¹ 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 7 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 54. Coal Stocks at Electric Utility Plants by Census Division and State
(Thousand Short Tons)

Census Division and State	June 30, 1995	March 31, 1995	June 30, 1994	Percent Difference June 30: 1995 versus 1994
New England Total	1,232	1,052	979	25.9
Connecticut	169	149	151	11.5
Maine	-	-	-	-
Massachusetts	691	588	521	32.7
New Hampshire	373	316	307	21.4
Rhode Island	-	-	-	-
Vermont	-	-	-	-
Middle Atlantic Total	12,231	11,932	12,968	-5.7
New Jersey	704	657	570	23.4
New York	986	961	771	27.8
Pennsylvania	10,541	10,313	11,627	-9.3
East North Central Total	35,001	32,473	27,973	25.1
Illinois	5,289	4,662	5,163	2.5
Indiana	10,856	10,678	8,731	24.3
Michigan	7,462	6,289	5,316	40.4
Ohio	7,841	7,705	6,059	29.4
Wisconsin	3,553	3,139	2,705	31.3
West North Central Total	19,240	18,021	15,304	25.7
Iowa	4,520	3,845	2,958	52.8
Kansas	3,537	2,848	2,571	37.6
Minnesota	1,930	2,339	1,667	15.8
Missouri	5,198	4,818	4,446	16.9
Nebraska	1,734	1,633	1,131	53.3
North Dakota	2,229	2,346	2,275	-2.0
South Dakota	93	193	256	-63.6
South Atlantic Total	24,428	24,338	21,669	12.7
Delaware	285	357	279	1.9
District of Columbia	-	-	-	-
Florida	4,122	4,309	3,902	5.7
Georgia	4,992	5,440	4,769	4.7
Maryland	1,447	1,210	1,306	10.8
North Carolina	4,234	4,355	3,464	22.2
South Carolina	2,219	2,510	1,772	25.3
Virginia	1,669	1,655	1,584	5.3
West Virginia	5,461	4,500	4,594	18.9
East South Central Total	10,747	11,741	8,764	22.6
Alabama	3,831	4,150	2,960	29.4
Kentucky	4,476	4,972	4,063	10.2
Mississippi	698	794	615	13.5
Tennessee	1,741	1,825	1,126	54.6
West South Central Total	20,990	18,565	14,659	43.2
Arkansas	2,966	2,179	1,053	181.8
Louisiana	2,857	2,270	1,344	112.5
Oklahoma	3,858	2,666	2,450	57.5
Texas	11,309	11,449	9,813	15.3
Mountain Total	17,131	15,614	15,058	13.8
Arizona	3,802	3,665	3,086	23.2
Colorado	3,821	3,538	3,530	8.3
Idaho	-	-	-	-
Montana	498	506	567	-12.0
Nevada	1,468	1,147	1,262	16.3
New Mexico	1,172	1,068	1,478	-20.7
Utah	3,578	2,918	3,316	7.9
Wyoming	2,791	2,771	1,820	53.3
Pacific Total	2,596	1,581	1,017	155.3
Alaska	1	1	3	-59.5
California	-	-	-	-
Hawaii	-	-	-	-
Oregon	493	497	365	35.3
Washington	2,102	1,083	650	223.6
U.S. Total	143,596	135,315	118,391	21.3

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

Table 55. Coal Stocks at Coke Plants by Census Division and State
(Thousand Short Tons)

Census Division and State	June 30, 1995	March 31, 1995	June 30, 1994	Percent Difference June 30: 1995 versus 1994
New England Total	-	-	-	-
Connecticut	-	-	-	-
Maine	-	-	-	-
Massachusetts	-	-	-	-
New Hampshire	-	-	-	-
Rhode Island	-	-	-	-
Vermont	-	-	-	-
Middle Atlantic Total	W	W	W	W
New Jersey	-	-	-	-
New York	W	W	W	W
Pennsylvania	887	918	853	3.9
East North Central Total	1,060	1,104	1,128	-6.0
Illinois	W	W	W	W
Indiana	522	487	522	.1
Michigan	W	W	W	W
Ohio	157	153	133	18.6
Wisconsin	-	-	-	-
West North Central Total	-	-	-	-
Iowa	-	-	-	-
Kansas	-	-	-	-
Minnesota	-	-	-	-
Missouri	-	-	-	-
Nebraska	-	-	-	-
North Dakota	-	-	-	-
South Dakota	-	-	-	-
South Atlantic Total	W	W	W	W
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
East South Central Total	W	W	W	W
Alabama	339	324	318	6.6
Kentucky	W	W	W	W
Mississippi	-	-	-	-
Tennessee	-	-	-	-
West South Central Total	-	-	21	-
Arkansas	-	-	-	-
Louisiana	-	-	-	-
Oklahoma	-	-	-	-
Texas	-	-	21	-
Mountain Total	W	W	W	W
Arizona	-	-	-	-
Colorado	-	-	-	-
Idaho	-	-	-	-
Montana	-	-	-	-
Nevada	-	-	-	-
New Mexico	-	-	-	-
Utah	W	W	W	W
Wyoming	-	-	-	-
Pacific Total	-	-	-	-
Alaska	-	-	-	-
California	-	-	-	-
Hawaii	-	-	-	-
Oregon	-	-	-	-
Washington	-	-	-	-
By Plant Type				
Merchant Coke Plants	301	295	247	21.8
Furnace Coke Plants	2,323	2,424	2,512	-7.5
U.S. Total	2,624	2,719	2,759	-4.9

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

Census Division and State	June 30, 1995	March 31, 1995	June 30, 1994	Percent Difference June 30: 1995 versus 1994
New England Total	65	52	18	254.4
Connecticut	w	w	w	w
Maine	w	w	w	w
Massachusetts	w	w	w	w
New Hampshire	w	w	w	w
Rhode Island	w	w	w	w
Vermont	w	w	w	w
Middle Atlantic Total	w	w	w	w
New Jersey	w	w	w	w
New York	158	144	189	-16.6
Pennsylvania	252	259	302	-16.8
East North Central Total	1,859	1,686	1,631	14.0
Illinois	331	322	287	15.2
Indiana	504	474	573	-12.0
Michigan	667	521	404	65.2
Ohio	141	148	157	-10.3
Wisconsin	216	222	210	2.8
West North Central Total	801	768	926	-13.5
Iowa	403	376	482	-16.4
Kansas	14	17	14	4.2
Minnesota	49	68	50	-1.6
Missouri	136	145	157	-13.1
Nebraska	w	w	w	w
North Dakota	w	w	w	w
South Dakota	w	w	w	w
South Atlantic Total	w	w	w	w
Delaware	w	w	w	w
District of Columbia	-	-	-	-
Florida	69	100	118	-41.6
Georgia	137	154	118	16.3
Maryland	32	32	28	16.9
North Carolina	153	187	152	.2
South Carolina	257	261	255	.9
Virginia	149	178	175	-15.2
West Virginia	94	122	129	-27.5
East South Central Total	w	w	w	w
Alabama	167	184	184	-9.5
Kentucky	105	105	120	-12.4
Mississippi	w	w	w	w
Tennessee	245	226	220	11.8
West South Central Total	451	464	408	10.4
Arkansas	22	28	19	19.1
Louisiana	w	w	w	w
Oklahoma	w	w	w	w
Texas	239	213	176	35.8
Mountain Total	316	246	314	.7
Arizona	50	55	39	27.2
Colorado	30	22	18	64.0
Idaho	114	47	121	-6.2
Montana	w	w	w	w
Nevada	w	w	w	w
New Mexico	w	w	w	w
Utah	9	11	11	-18.8
Wyoming	88	88	81	8.7
Pacific Total	292	229	232	25.7
Alaska	-	-	-	-
California	207	179	139	49.3
Hawaii	w	w	w	w
Oregon	w	w	w	w
Washington	33	29	34	-9
U.S. Total	5,612	5,422	5,543	1.2

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

SIC Code	June 30, 1995	March 31, 1995	June 30, 1994	Percent Difference June 30: 1995 versus 1994
20 Food and kindred products	610	528	651	-6.3
21 Tobacco products	27	50	28	-6.3
22 Textile mill products	110	132	110	.1
23 Apparel, other textile products	w	w	w	w
24 Lumber and wood products	31	29	11	172.8
25 Furniture and fixtures	23	18	20	10.2
26 Paper and allied products	1,027	1,075	911	12.7
27 Printing and publishing	w	w	w	w
28 Chemicals, allied products	1,023	997	977	4.7
29 Petroleum and coal products ¹	151	156	281	-46.4
30 Rubber, misc. plastic products	11	12	14	-22.5
31 Leather, leather products	w	w	w	w
32 Stone, clay, glass products	1,773	1,612	1,641	8.1
33 Primary metal industries ²	515	494	543	-5.2
34 Fabricated metal products	50	53	52	-3.9
35 Machinery, except electric	60	56	48	26.5
36 Electric, electronic equipment	14	14	18	-23.5
37 Transportation equipment	w	w	w	w
38 Instruments, related products	w	w	w	w
39 Misc. manufacturing industries	w	w	w	w
U.S. Total	5,612	5,422	5,543	1.2

¹ Includes coal gasification projects.

² Excludes coke plants.

^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-3, "Quarterly Coal Consumption Report - Manufacturing Plants."

Table 58. Coke and Breeze Stocks at Coke Plants
(Thousand Short Tons)

	June 30, 1995	March 31, 1995	June 30, 1994	Percent Difference June 30: 1995 versus 1994
Coke Total	1,143	897	897	27.4
By State				
Alabama	84	64	89	-6.2
Illinois	w	w	w	w
Indiana	306	203	198	54.1
Kentucky	w	w	w	w
Michigan	w	w	w	w
New York	w	w	w	w
Ohio	104	73	80	30.7
Pennsylvania	221	191	227	-2.5
Texas	w	w	w	w
Utah	w	w	w	w
Virginia	w	w	w	w
West Virginia	w	w	w	w
By Plant Type				
Merchant Coke Plants	120	109	176	-31.9
Furnace Coke Plants	1,023	788	721	41.9
Breeze Total	97	89	147	-34.2

^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-5, "Coke Plant Report - Quarterly."

Table 59. Coal Stocks at Coal Producers and Distributors by Coal-Producing State
(Thousand Short Tons)

Coal-Producing State	June 30, 1995	March 31, 1995	June 30, 1994	Percent Difference June 30: 1995 versus 1994
Alabama	1,762	1,532	1,149	53.4
Alaska	63	52	15	327.5
Arizona	3,051	2,834	1,900	60.5
Arkansas	2	2	3	-9.4
Colorado	997	1,493	1,889	-47.2
Illinois	3,417	2,995	1,753	94.9
Indiana	804	921	795	1.1
Kansas	-	34	35	-
Kentucky Total	6,798	7,243	4,383	55.1
Eastern	5,463	5,837	3,583	52.5
Western	1,335	1,607	801	66.8
Louisiana	328	39	303	8.4
Maryland	317	427	212	49.8
Missouri	17	-	-	-
Montana	653	831	852	-23.4
New Mexico	2,261	1,741	2,726	-17.1
North Dakota	1,883	1,698	1,818	3.6
Ohio	850	1,142	895	-5.1
Oklahoma	3	3	3	-17.3
Pennsylvania Total	3,801	4,541	2,961	28.4
Anthracite	312	330	291	7.3
Bituminous	3,488	4,211	2,670	30.7
Tennessee	74	82	36	107.1
Texas	765	1,048	1,934	-60.4
Utah	2,034	2,077	1,975	3.0
Virginia	1,168	1,100	1,606	-27.3
Washington	59	66	58	2.2
West Virginia Total	8,658	8,448	6,328	36.8
Northern	2,925	2,688	1,559	87.6
Southern	5,733	5,761	4,769	20.2
Wyoming	2,332	1,992	2,129	9.5
Appalachian Total	22,093	22,908	16,769	31.7
Interior Total	6,672	6,649	5,626	18.6
Western Total	13,332	12,783	13,362	-2
East of the Miss. River	27,649	28,430	20,118	37.4
West of the Miss. River	14,448	13,909	15,640	-7.6
U.S. Total	42,097	42,340	35,758	17.7

Note: Total may not equal sum of components because of independent rounding.
Source: Energy Information Administration, Form EIA-6, "Coal Distribution Report."

Appendix A

U.S. Coal Imports

At Newport News, Virginia, a collier waits to be loaded with coal for foreign markets. About 10 percent of all coal produced in the U.S. is exported.

Appendix A

U.S. Coal Imports

During the second quarter of 1995, the U.S. imported 1.6 million short tons of coal, 2.1 percent higher than coal imports in the second quarter of 1994. The leading sources of coal imports were Venezuela, followed by Colombia, Canada, and Indonesia. Venezuelan coal imports totaled 488 thousand short tons, an increase of 90 percent above the April through June 1994 period. Coal receipts from Colombia amounted to 454 thousand short tons, a 29-percent drop from the comparable quarter in 1994.

U.S. coal imports in the first six months of 1995 totaled 3.4 million short tons, about the same as in the first half of 1994. Colombia led all other foreign suppliers in the first half of 1995, with 1.2 million shorts of coal shipped to the United States. This was 30

percent lower than shipments for the same period in 1994. Coal deliveries from both Australia and Venezuela in the first six months of 1995 were 90 percent above their comparable six-month 1994 levels.

Despite a 48-percent increase in coal shipments from Venezuela in the second quarter of 1995, electric utilities reported receipts of imported coal totaling 685 thousand short tons, 29 percent less than was reported in the second quarter of 1994. Coal imports at electric utilities decreased from all other foreign markets, particularly in shipments from Colombia which were down 271 thousand short tons.

Coal import shipments to electric utilities for the January through June 1995 period totaled 2.1 million short tons, 15 percent less than the comparable period in 1994. Most of the decline was due to lower shipments from Colombia (708 thousand short tons) and to a lesser extent South Africa (103 thousand short tons), which were partially offset by higher shipments from Venezuela (306 thousand short tons) and Indonesia (141 thousand short tons).

Coal imports in the second quarter of 1995 were valued at \$58 million based on an average price of \$36.16 per short ton. The value of coal imports for the first six months of 1995 reached \$116 million, based on an average price of \$34.14.

Table A1. Quantity and Average Price of U.S. Coal Imports, 1987-1995
(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
1987	331	\$35.04	483	\$31.69	475	\$31.94	459	\$30.35	1,747	\$32.04
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	NA	NA	NA	NA	3,405	34.14

^{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, 1987-1995
(Thousand Short Tons and Dollars per Short Ton)

Year and Quarter	Australia	Canada	Colombia	Indonesia	Malaysia	Venezuela	Other Countries	Total
Quantity								
1987	211	507	957	-	-	30	43	1,747
1988	66	552	1,225	-	-	203	88	2,134
1989	35	1,004	1,339	-	-	357	117	2,851
1990	24	973	1,428	-	-	263	12	2,699
1991	31	935	1,881	7	-	535	*	3,390
1992	101	1,021	1,763	253	53	539	72	3,803
1993	100	1,051	4,117	708	-	1,298	34	7,309
1994								
January - March	27	219	1,121	217	-	259	7	1,850
April - June	34	320	640	195	-	257	130	1,577
July - September	-	330	1,128	342	-	474	30	2,304
October - December	31	384	501	376	-	539	22	1,853
Total	92	1,253	3,390	1,130	-	1,531	188	7,584
1995								
January - March	44	222	782	254	-	493		1,795
April - June	72	353	454	176	-	488	67	1,609
Total	116	575	1,236	429	-	981	68	3,405
Average Price								
1987	\$27.17	\$32.97	\$32.89	-	-	\$35.22	\$23.89	\$32.04
1988	29.86	31.44	28.83	-	-	26.09	45.43	29.96
1989	34.44	25.73	35.49	-	-	33.48	33.40	31.97
1990	41.73	24.45	36.87	-	-	41.50	37.81	33.43
1991	37.97	25.10	32.87	-	-	40.87	-	32.34
1992	36.07	27.88	32.25	\$40.94	\$47.06	35.61	25.72	32.48
1993	31.56	29.02	27.26	42.70	-	28.87	26.22	29.36
1994								
January - March	32.10	24.04	27.51	36.68	-	28.44	-	28.42
April - June	26.75	27.43	27.61	35.17	-	28.03	23.30	28.23
July - September	-	38.41	27.14	34.41	-	34.43	48.08	31.11
October - December	31.78	32.99	27.86	30.88	-	34.63	44.14	31.73
Total	30.02	30.61	27.46	33.80	-	32.41	29.33	29.98
1995								
January - March	31.49	27.14	30.67	32.27	-	33.01	-	31.28
April - June	29.68	33.67	31.19	41.79	-	36.56	46.42	34.94
Total	30.36	31.53	30.86	36.17	-	34.77	46.42	33.01

¹ Average prices of \$50 or more are not shown.

* Rounded to zero.

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

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

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

Customs District	April - June 1995	January - March 1995	April - June 1994	Year to Date		
				1995	1994	Percent Change
U.S. Total	1,609,473	1,795,257	1,576,515	3,404,730	3,426,489	-0.6
Exporting Country: Australia						
Honolulu, HI	72,274	43,684	33,940	115,958	60,947	90.3
Total	72,274	43,684	33,940	115,958	60,947	90.3
Exporting Country: Canada						
Chicago, IL	28,318	6,639	-	34,957	29,769	17.4
Detroit, MI	118,735	-	102,854	118,735	102,854	15.4
Duluth, MN	63,251	48,955	-	112,206	22,357	401.9
Great Falls, MT	231	414	8,493	645	18,472	-96.5
Pembina, ND	141,975	159,908	208,954	301,883	359,939	-16.1
Seattle, WA	-	6,102	14	6,102	6,111	-.1
Total	352,510	222,018	320,315	574,528	539,502	6.5
Exporting Country: Colombia						
Mobile, AL	31,116	30,854	59,392	61,970	185,439	-66.6
Miami, FL	26,035	-	2,477	26,035	5,039	416.7
Tampa, FL	133,671	464,200	333,950	597,871	1,072,175	-44.2
Boston, MA	102,510	173,674	86,282	276,184	183,966	50.1
Baltimore, MD	-	28,328	27,826	28,328	88,668	-68.1
Portland, ME	60,431	27,477	52,930	87,908	82,472	6.6
Philadelphia, PA	28,071	27,328	-	55,399	22,032	151.4
San Juan, PR	71,975	30,547	-	102,522	-	-
Norfolk, VA	-	-	-	-	24,801	-
Virgin Islands	-	-	77,296	-	96,083	-
Total	453,809	782,408	640,153	1,236,217	1,760,675	-29.8
Exporting Country: Indonesia						
Honolulu, HI	175,593	112,770	119,883	288,363	297,043	-2.9
New Orleans, LA	-	140,968	75,017	140,968	75,017	87.9
Portland, ME	-	-	-	-	39,868	-
Total	175,593	253,738	194,900	429,331	411,928	4.2
Exporting Country: Venezuela						
Mobile, AL	248,183	196,780	-	444,963	34,691	(¹)
Boston, MA	148,287	215,605	229,787	363,892	399,135	-8.8
Portland, ME	91,701	58,577	-	150,278	35,740	320.5
San Juan, PR	-	-	27,656	-	27,656	-
Virgin Islands	-	22,046	-	22,046	19,659	12.1
Total	488,171	493,008	257,443	981,179	516,881	89.8
Other Exporting Countries						
Mobile, AL	-	-	124,171	-	124,171	-
Los Angeles, CA	-	-	12	-	12	-
San Diego, CA	-	49	-	49	-	-
Chicago, IL	-	26	-	26	-	-
New Orleans, LA	42,439	-	5,482	42,439	12,186	248.3
New York City, NY	-	236	-	236	-	-
San Juan, PR	24,656	-	-	24,656	-	-
Houston-Galveston, TX ..	-	-	99	-	99	-
Laredo, TX	21	90	-	111	88	26.1
Total	67,116	401	129,764	67,517	136,556	-50.6

¹ 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	April - June 1995	January - March 1995	April - June 1994	Year to Date		
				1995	1994	Percent Change
Total	\$34.94	\$31.28	\$28.23	\$33.01	\$28.33	16.5
Exporting Country: Australia						
Honolulu, HI	\$29.68	\$31.49	\$26.75	\$30.36	\$29.12	4.3
Total	29.68	31.49	26.75	30.36	29.12	4.3
Exporting Country: Canada						
Chicago, IL	-	-	-	-	\$21.13	-
Detroit, MI	\$41.44	-	\$38.56	\$41.44	38.56	7.5
Duluth, MN	38.44	-	-	38.44	31.18	23.3
Pembina, ND	24.48	\$27.15	21.68	25.89	22.36	15.8
Seattle, WA	-	26.91	-	26.91	29.04	-7.3
Total	33.67	27.14	27.43	31.53	26.08	20.9
Exporting Country: Colombia						
Mobile, AL	\$27.36	\$26.96	\$26.55	\$27.16	\$24.44	11.1
Miami, FL	42.49	-	25.05	42.49	24.87	70.9
Tampa, FL	31.71	31.03	27.84	31.18	27.70	12.6
Boston, MA	26.22	28.84	27.21	27.87	28.45	-2.0
Baltimore, MD	-	33.52	25.85	33.52	28.23	18.8
Portland, ME	29.59	30.70	25.59	29.93	25.59	17.0
Philadelphia, PA	37.07	33.74	-	35.43	36.06	-1.8
San Juan, PR	33.92	34.06	-	33.97	-	-
Norfolk, VA	-	-	-	-	24.98	-
Virgin Islands	-	-	29.94	-	29.94	-
Total	31.19	30.67	27.61	30.86	27.55	12.0
Exporting Country: Indonesia						
Honolulu, HI	\$41.79	\$42.97	\$39.65	\$42.25	\$39.58	6.8
New Orleans, LA	-	23.71	28.01	23.71	28.01	-15.3
Portland, ME	-	-	-	-	23.97	-
Total	41.79	32.27	35.17	36.17	35.96	.6
Exporting Country: Venezuela						
Mobile, AL	\$40.79	\$40.67	-	\$40.74	\$27.76	46.7
Boston, MA	28.34	27.97	\$28.24	28.12	28.25	-.5
Portland, ME	38.39	26.97	-	33.94	29.03	16.9
San Juan, PR	-	-	26.31	-	26.31	-
Virgin Islands	-	29.94	-	29.94	29.94	*
Total	36.56	33.01	28.03	34.77	28.24	23.2
Other Exporting Countries						
Mobile, AL	-	-	\$23.30	-	\$23.30	-
New Orleans, LA	\$46.42	-	-	\$46.42	-	-
Total	46.42	-	23.30	46.42	23.30	99.2

* Rounded to zero.

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

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	April - June 1995	January - March 1995	April - June 1994	Year to Date		
				1995	1994	Percent Change
U.S. Total	685,438	1,425,884	968,204	2,111,322	2,495,177	-15.4
Exporting Country: Canada						
Detroit Edison Co, River Rouge	-	-	-	-	20,000	-
Takoma Dept. of Public Utilities, Steam No.2 ..	-	6,040	-	6,040	6,350	-4.9
Total	-	6,040	-	6,040	26,350	-77.1
Exporting Country: Colombia						
Baltimore Gas and Electric, Brandon Shores ..	-	-	28,000	-	88,000	-
Delmarva Power & Light, Edgemoor	-	-	-	-	22,031	-
Gulf Power, Crist	-	-	1,900	-	14,100	-
Gulf Power, Smith	-	-	53,100	-	211,900	-
Jacksonville Electric Authority, St Johns River	133,670	464,190	378,640	597,860	1,068,260	-44.0
New England Power (NEES), Brayton Point	-	118,900	11,200	118,900	51,300	131.8
New England Power (NEES), Salem Harbor ...	83,800	-	44,000	83,800	44,000	90.5
Public Serv Co of New Hampshire, Merrimack	11,509	-	-	11,509	-	-
Public Serv Co of New Hampshire, Schiller	70,359	27,477	53,965	97,836	83,507	17.2
Public Serv Electric & Gas-NJ, Hudson	-	-	-	-	22,500	-
Savannah Electric and Power, Port Wentworth	-	-	-	-	11,902	-
Total	299,338	610,567	570,805	909,905	1,617,500	-43.7
Exporting Country: Indonesia						
Cajun Electric Power Coop, Big Cajun No. 2 ...	-	-	32,899	-	32,899	-
Public Serv Co of New Hampshire, Schiller	-	-	-	-	39,868	-
Tampa Electric, Davant Transfer	-	214,217	-	214,217	-	-
Total	-	214,217	32,899	214,217	72,767	194.4
Exporting Country: South Africa						
Gulf Power, Smith	-	-	103,200	-	103,200	-
Total	-	-	103,200	-	103,200	-
Exporting Country: Venezuela						
Central Hudson Gas & Electric, Danskammer .	-	28,189	-	28,189	-	-
Florida Power Corp, IMT Transfer	-	-	-	-	55,260	-
Gulf Power, Crist	213,450	159,150	-	372,600	52,700	NM
Gulf Power, Smith	6,250	84,400	-	90,650	-	-
New England Power (NEES), Brayton Point	71,900	133,900	91,700	205,800	177,300	16.1
New England Power (NEES), Salem Harbor ...	94,500	135,000	169,600	229,500	390,100	-41.2
Public Serv Co of New Hampshire, Schiller	-	54,421	-	54,421	-	-
Total	386,100	595,060	261,300	981,160	675,360	45.3

^{NM} Not meaningful.

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, 1990-1995**

Exporting Country and Time Period	Quantity (thousand short tons)	Average Quality ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Company and Plant: Baltimore Gas and Electric, Brandon Shores						
Colombia						
1993	224.0	12,354	0.64	6.32	149.8	37.02
1994						
January - March	60.0	12,418	.71	6.27	150.1	37.28
April - June	28.0	12,297	.55	9.70	141.1	34.70
Total	88.0	12,379	.66	7.36	147.3	36.46
Company and Plant: Cajun Electric Power Coop, Big Cajun No. 2						
Indonesia						
1994						
April - June	32.9	9,765	0.08	0.76	168.5	32.91
July - September	136.3	9,687	.11	1.31	166.3	32.23
Total	169.2	9,702	.10	1.20	166.8	32.36
Company and Plant: Carolina Power and Light, Sutton						
Colombia						
1994						
October - December	26.6	12,200	0.70	9.00	145.5	35.50
Total	26.6	12,200	.70	9.00	145.5	35.50
Company and Plant: Central Hudson Gas & Electric, Danskammer						
Venezuela						
1995						
January - March	28.2	13,281	0.56	7.30	224.1	59.53
Total	28.2	13,281	.56	7.30	224.1	59.53
Company and Plant: Central Power and Light (CSW), Coletto Creek						
Colombia						
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						
July - September	117.3	11,935	.53	4.51	154.7	36.93
October - December	36.1	11,910	.64	6.70	129.8	30.92
Total	153.4	11,929	.55	5.03	148.9	35.51
Venezuela						
1992	42.5	13,214	.66	7.20	175.8	46.46
Company and Plant: Delmarva Power & Light, Edgemoor						
Colombia						
1994						
January - March	22.0	12,370	0.58	5.98	168.2	41.61
Total	22.0	12,370	.58	5.98	168.2	41.61
Company and Plant: Detroit Edison Co, River Rouge						
Canada						
1994						
January - March	20.0	11,099	0.27	10.10	149.9	33.27
October - December	37.0	10,954	.21	10.38	149.9	32.84
Total	57.0	11,005	.23	10.28	149.9	32.99

See footnotes at the end of Table A6.

**Table A6. Cost and Quality of Imported Coal Received at Electric Utility Plants
by Origin, 1990-1995 (Continued)**

Exporting Country and Time Period	Quantity (thousand short tons)	Average Quality ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Company and Plant: Florida Power Corp, IMT Transfer						
Venezuela						
1994						
January - March	55.3	12,849	0.60	6.14	152.3	39.15
October - December	29.1	12,644	.71	7.19	163.8	41.42
Total	84.4	12,778	.64	6.50	156.3	39.93
Company and Plant: Gulf Power, Crist						
Colombia						
1993	280.2	11,983	0.59	5.53	188.5	45.18
1994						
January - March	12.2	12,379	.61	4.52	175.6	43.47
April - June	1.9	12,414	.67	4.60	166.3	41.29
July - September	15.7	12,110	.57	6.00	148.5	35.97
Total	29.8	12,239	.59	5.30	160.9	39.38
Venezuela						
1993	234.8	12,992	.59	6.11	172.2	44.75
1994						
January - March	52.7	12,516	.97	5.64	169.6	42.45
July - September	91.3	12,214	1.04	6.26	228.0	55.70
October - December	139.4	12,176	1.04	6.53	228.0	55.52
Total	283.4	12,252	1.03	6.28	216.9	53.15
1995						
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
Total	372.6	12,362	.90	6.29	230.5	56.99
Company and Plant: Gulf Power, Scholtz						
Colombia						
1993	7.5	12,170	0.62	7.50	164.4	40.01
Venezuela						
1993	16.0	12,958	.58	6.10	170.6	44.20
Company and Plant: Gulf Power, Smith						
Colombia						
1993	198.2	11,823	0.61	5.96	184.6	43.65
1994						
January - March	158.8	12,341	.63	4.72	178.5	44.06
April - June	53.1	12,252	.67	3.86	186.7	45.74
July - September	74.7	12,241	.54	3.22	148.9	36.46
Total	286.6	12,299	.61	4.17	172.3	42.39
South Africa						
1994						
April - June	103.2	11,306	.64	12.62	184.4	41.70
July - September	24.1	11,370	.68	12.50	167.2	38.02
Total	127.3	11,318	.65	12.60	181.1	41.00
Venezuela						
1994						
July - September	7.5	12,163	.80	6.60	232.5	56.56
October - December	46.3	12,290	.99	6.51	228.6	56.19
Total	53.8	12,272	.96	6.52	229.1	56.24
1995						
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
Total	90.6	12,202	.95	6.54	236.4	57.69

See footnotes at the end of Table A6.

**Table A6. Cost and Quality of Imported Coal Received at Electric Utility Plants
by Origin, 1990-1995 (Continued)**

Exporting Country and Time Period	Quantity (thousand short tons)	Average Quality ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Company and Plant: Holyoke Water Power (NU), Mount Tom						
Indonesia						
1994						
July - September	7.9	12,651	0.43	3.30	195.4	49.44
Total	7.9	12,651	.43	3.30	195.4	49.44
Company and Plant: Jacksonville Electric Authority, St Johns River						
Colombia						
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						
January - March	689.6	11,899	.70	7.62	135.7	32.29
April - June	378.6	11,870	.66	7.56	132.6	31.47
July - September	636.4	11,867	.69	7.36	136.4	32.37
October - December	327.5	11,896	.68	6.82	137.4	32.68
Total	2,032.1	11,883	.69	7.40	135.6	32.22
1995						
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
Total	597.9	11,854	.69	7.51	148.9	35.31
Venezuela						
1990	40.1	12,288	.77	11.50	170.7	41.95
1991	42.2	12,913	.56	8.90	126.9	32.77
Company and Plant: Mississippi Power (Southern Co), Daniel						
Indonesia						
1993	67.5	9,745	0.08	1.23	168.9	32.92
Company and Plant: New England Power (NEES), Brayton Point						
Colombia						
1990	30.1	12,837	0.76	8.70	177.3	45.52
1993	187.2	12,144	.64	5.42	178.5	43.35
1994						
January - March	40.1	12,145	.68	5.57	181.9	44.18
April - June	11.2	12,080	.54	5.73	137.3	33.17
Total	51.3	12,131	.65	5.60	172.2	41.78
1995						
January - March	118.9	12,218	.61	5.66	168.8	41.26
Total	118.9	12,218	.61	5.66	168.8	41.26
Venezuela						
1990	69.8	12,773	.61	7.39	181.0	46.23
1991	83.7	13,390	.77	7.55	167.3	44.81
1992	129.0	13,375	.75	7.32	165.2	44.18
1993	239.9	13,132	.71	7.83	162.5	42.67
1994						
January - March	85.6	13,303	.75	7.62	153.2	40.76
April - June	91.7	13,021	.66	7.03	150.1	39.10
July - September	111.8	12,858	.70	6.57	165.1	42.47
October - December	62.1	12,555	.74	7.02	141.5	35.54
Total	351.2	12,955	.71	7.03	154.2	39.95
1995						
January - March	133.9	12,912	.66	7.38	162.5	41.95
April - June	71.9	12,879	.64	6.18	176.8	45.55
Total	205.8	12,900	.66	6.96	167.5	43.21

See footnotes at the end of Table A6.

**Table A6. Cost and Quality of Imported Coal Received at Electric Utility Plants
by Origin, 1990-1995 (Continued)**

Exporting Country and Time Period	Quantity (thousand short tons)	Average Quality ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Company and Plant: New England Power (NEES), Salem Harbor						
Canada						
1992	32.8	13,569	1.40	3.82	174.9	47.46
Colombia						
1990	74.7	12,176	.66	5.07	195.7	47.65
1994						
April - June	44.0	12,080	.54	5.73	137.3	33.18
July - September	40.2	11,949	.61	6.45	184.9	44.19
Total	84.2	12,017	.57	6.07	159.9	38.44
1995						
April - June	83.8	12,110	.58	5.60	141.0	34.14
Total	83.8	12,110	.58	5.60	141.0	34.14
Venezuela						
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						
January - March	220.5	12,666	.58	6.80	158.5	40.16
April - June	169.6	12,557	.66	6.31	177.7	44.62
July - September	82.1	12,744	.68	5.99	145.3	37.04
October - December	93.3	12,866	.72	6.53	142.5	36.66
Total	565.5	12,678	.64	6.49	159.6	40.47
1995						
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
Total	229.5	12,874	.65	6.30	164.4	42.33
Company and Plant: Ohio Edison, Burger Plant						
Indonesia						
1992	13.1	9,587	0.14	1.20	166.9	32.00
Company and Plant: Public Serv Co of Indiana, Gallagher						
Indonesia						
1993	11.1	9,242	0.13	1.35	104.8	19.38
Company and Plant: Public Serv Co of New Hampshire, Merrimack						
Colombia						
1995						
April - June	11.5	11,578	0.53	3.80	192.9	44.67
Total	11.5	11,578	.53	3.80	192.9	44.67
Indonesia						
1993	21.2	12,620	.49	3.80	186.5	47.07
Venezuela						
1993	24.9	12,920	.58	6.00	163.2	42.17
Company and Plant: Public Serv Co of New Hampshire, Schiller						
Canada						
1990	33.6	13,459	1.30	5.90	181.0	48.72
Colombia						
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						
January - March	29.5	12,417	.59	5.60	137.4	34.12
April - June	54.0	12,523	.62	5.22	135.3	33.87
July - September	79.8	12,526	.63	5.75	135.0	33.82
Total	163.3	12,505	.62	5.55	135.5	33.89

See footnotes at the end of Table A6.

**Table A6. Cost and Quality of Imported Coal Received at Electric Utility Plants
by Origin, 1990-1995 (Continued)**

Exporting Country and Time Period	Quantity (thousand short tons)	Average Quality ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Company and Plant: Public Serv Co of New Hampshire, Schiller						
Colombia						
1995						
January - March	27.5	12,271	0.66	5.90	161.9	39.73
April - June	70.4	13,062	.62	7.54	161.3	42.14
Total	97.8	12,840	.63	7.08	161.5	41.47
Indonesia						
1993	16.0	12,620	.49	3.80	161.3	40.71
1994						
January - March	39.9	12,307	.60	3.60	162.1	39.90
July - September	34.2	12,351	.43	3.30	157.3	38.86
October - December	38.9	12,423	.55	3.80	156.4	38.86
Total	113.0	12,360	.53	3.58	158.7	39.23
Venezuela						
1990	110.2	13,105	.49	4.82	187.7	49.19
1991	207.1	12,989	.52	5.65	173.6	45.10
1992	34.3	12,881	.58	6.76	168.0	43.29
1993	84.3	12,972	.58	6.08	138.6	35.95
1995						
January - March	54.4	13,060	.69	7.25	154.8	40.44
Total	54.4	13,060	.69	7.25	154.8	40.44
Company and Plant: Public Serv Electric & Gas-NJ, Hudson						
Colombia						
1994						
January - March	22.5	12,870	0.68	6.90	166.9	42.96
Total	22.5	12,870	.68	6.90	166.9	42.96
Company and Plant: Savannah Electric and Power, Port Wentworth						
Colombia						
1994						
January - March	11.9	11,235	0.69	5.87	214.1	48.12
Total	11.9	11,235	.69	5.87	214.1	48.12
Venezuela						
1994						
October - December	16.8	12,575	1.12	8.60	168.0	42.25
Total	16.8	12,575	1.12	8.60	168.0	42.25
Company and Plant: Takoma Dept. of Public Utilities, Steam No.2						
Canada						
1991	26.9	9,994	0.46	12.76	209.2	41.82
1992	15.3	9,993	.42	12.95	214.7	42.90
1993	29.2	10,036	.48	12.60	179.5	36.03
1994						
January - March	6.3	9,806	.48	12.80	178.0	34.91
Total	6.3	9,806	.48	12.80	178.0	34.91
1995						
January - March	6.0	10,012	.48	13.00	166.0	33.24
Total	6.0	10,012	.48	13.00	166.0	33.24
Company and Plant: Tampa Electric, Big Bend ²						
Indonesia						
1991	24.3	9,815	0.07	1.20	227.3	44.62

See footnotes at the end of Table A6.

**Table A6. Cost and Quality of Imported Coal Received at Electric Utility Plants
by Origin, 1990-1995 (Continued)**

Exporting Country and Time Period	Quantity (thousand short tons)	Average Quality ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Company and Plant: Tampa Electric, Davant Transfer						
Colombia						
1993	222.2	10,844	0.62	7.63	166.6	36.13
Indonesia						
1994						
October - December	147.2	9,871	.09	1.10	143.0	28.24
Total	147.2	9,871	.09	1.10	143.0	28.24
1995						
January - March	214.2	9,710	.40	1.16	140.1	27.20
Total	214.2	9,710	.40	1.16	140.1	27.20
Venezuela						
1993	61.4	11,056	1.48	9.78	220.7	48.80
Total of U.S. Electric Utility Plants						
Canada						
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						
January - March	26.3	10,787	.32	10.75	156.1	33.67
October - December	37.0	10,954	.21	10.38	149.9	32.84
Total	63.3	10,885	.26	10.53	152.4	33.19
1995						
January - March	6.0	10,012	.48	13.00	166.0	33.24
Total	6.0	10,012	.48	13.00	166.0	33.24
Colombia						
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						
January - March	1,046.7	12,049	.69	6.86	147.7	35.60
April - June	570.8	12,010	.64	6.91	139.0	33.38
July - September	964.0	11,966	.65	6.50	141.7	33.91
October - December	390.3	11,918	.68	6.95	137.2	32.71
Total	2,971.8	11,997	.66	6.76	142.7	34.25
1995						
January - March	610.6	11,966	.68	6.99	152.8	36.57
April - June	299.3	12,154	.62	7.01	152.8	37.14
Total	909.9	12,028	.66	7.00	152.8	36.76
Indonesia						
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						
January - March	39.9	12,307	.60	3.60	162.1	39.90
April - June	32.9	9,765	.08	.76	168.5	32.91
July - September	178.4	10,329	.19	1.78	165.9	34.26
October - December	186.1	10,404	.19	1.66	146.4	30.46
Total	437.3	10,499	.22	1.82	157.4	33.06
1995						
January - March	214.2	9,710	.40	1.16	140.1	27.20
Total	214.2	9,710	.40	1.16	140.1	27.20
South Africa						
1994						
April - June	103.2	11,306	.64	12.62	184.4	41.70
July - September	24.1	11,370	.68	12.50	167.2	38.02
Total	127.3	11,318	.65	12.60	181.1	41.00

See footnotes at the end of Table A6.

**Table A6. Cost and Quality of Imported Coal Received at Electric Utility Plants
by Origin, 1990-1995 (Continued)**

Exporting Country and Time Period	Quantity (thousand short tons)	Average Quality ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Total of U.S. Electric Utility Plants						
Venezuela						
1990	220.1	12,851	0.58	6.85	182.6	46.93
1991	333.0	13,080	.59	6.54	166.2	43.47
1992	240.6	13,206	.69	7.18	164.6	43.49
1993	897.5	12,874	.67	6.96	166.4	42.84
1994						
January - March	414.1	12,803	.67	6.73	157.9	40.44
April - June	261.3	12,720	.66	6.57	167.8	42.68
July - September	292.7	12,607	.81	6.31	180.2	45.43
October - December	387.1	12,469	.88	6.75	185.3	46.21
Total	1,355.2	12,649	.76	6.61	172.3	43.60
1995						
January - March	595.1	12,691	.78	6.59	193.1	49.02
April - June	386.1	12,574	.77	6.46	203.7	51.23
Total	981.2	12,645	.77	6.54	197.3	49.89

¹ Data reported on quality of coal as received.

² 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, 1990-1995**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Company and Plant: Baltimore Gas and Electric, Brandon Shores						
1990						
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
Total	1,862.0	12,740	.70	9.43	156.3	39.83
1991						
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
Total	2,312.0	12,813	.70	9.20	155.3	39.80
1992						
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
Total	2,533.0	12,711	.68	9.70	153.5	39.03
1993						
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
Total	2,648.0	12,747	.68	8.73	155.2	39.56
1994						
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
Total	3,481.0	12,587	.68	10.20	150.3	37.85
1995						
January - March						
Kentucky	73.0	13,120	.75	7.02	154.6	40.56
West Virginia	884.0	12,498	.67	10.88	147.2	36.79
Total	957.0	12,546	.68	10.58	147.8	37.08
April - June						
Kentucky	252.0	13,507	.70	5.54	147.7	39.90
West Virginia	704.0	12,496	.69	11.04	146.4	36.58
Total	956.0	12,763	.69	9.59	146.7	37.45
Year to Date						
Kentucky	325.0	13,420	.71	5.87	149.2	40.05
West Virginia	1,588.0	12,497	.68	10.95	146.8	36.70
Total	1,913.0	12,654	.69	10.08	147.2	37.27
Company and Plant: Cajun Electric Power Coop, Big Cajun No. 2						
1990						
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
Total	4,681.8	8,604	.44	5.35	170.3	29.30
1991						
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
Total	5,211.8	8,590	.42	5.23	153.0	26.29
1992						
Wyoming	5,343.7	8,368	.46	5.30	147.5	24.69
Total	5,343.7	8,368	.46	5.30	147.5	24.69
1993						
Wyoming	5,701.1	8,332	.43	5.27	151.9	25.31
Total	5,701.1	8,332	.43	5.27	151.9	25.31
1994						
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
Total	5,794.6	8,502	.35	4.84	152.8	25.97
1995						
January - March						
Wyoming	1,489.1	8,475	.37	4.93	153.1	25.95
Total	1,489.1	8,475	.37	4.93	153.1	25.95
April - June						
Wyoming	1,478.1	8,434	.34	5.00	158.2	26.69
Total	1,478.1	8,434	.34	5.00	158.2	26.69

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, 1990-1995 (Continued)**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Company and Plant: Cajun Electric Power Coop, Big Cajun No. 2						
1995						
Year to Date						
Wyoming	2,967.2	8,454	0.36	4.96	155.6	26.32
Total	2,967.2	8,454	.36	4.96	155.6	26.32
Company and Plant: Carolina Power and Light, Sutton						
1990						
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
Total	570.5	12,670	1.06	10.42	185.9	47.12
1991						
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
Total	480.0	12,512	.98	11.65	183.3	45.87
1992						
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
Total	766.7	12,436	.93	10.36	155.1	38.57
1993						
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
Total	623.5	12,590	1.00	9.27	160.4	40.39
1994						
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
Total	571.7	12,576	1.03	9.97	162.3	40.82
1995						
January - March						
Kentucky	36.4	12,889	1.03	8.70	153.3	39.52
West Virginia	17.7	13,079	.96	8.45	170.2	44.52
Total	54.1	12,951	1.01	8.62	158.9	41.15
April - June						
Kentucky	77.9	12,632	1.13	9.23	153.6	38.80
West Virginia	61.4	12,750	.87	9.97	168.8	43.04
Total	139.3	12,684	1.02	9.56	160.3	40.67
Year to Date						
Kentucky	114.3	12,714	1.10	9.06	153.5	39.03
West Virginia	79.1	12,824	.89	9.63	169.1	43.37
Total	193.4	12,759	1.01	9.29	159.9	40.80
Company and Plant: Central Hudson Gas & Electric, Danskammer						
1990						
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
Total	934.5	13,074	.58	8.08	205.8	53.80
1991						
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
Total	874.0	13,032	.57	7.97	204.7	53.36
1992						
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
Total	881.4	13,018	.59	7.50	182.1	47.40
1993						
West Virginia	693.0	13,097	.62	7.55	184.7	48.38
Total	693.0	13,097	.62	7.55	184.7	48.38
1994						
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
Total	768.2	13,084	.62	7.72	190.8	49.93

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, 1990-1995 (Continued)**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Company and Plant: Central Hudson Gas & Electric, Danskammer						
1995						
January - March						
Kentucky	91.7	12,857	0.58	8.21	194.1	49.90
West Virginia	76.3	13,203	.68	7.66	198.6	52.45
Venezuela	28.2	13,281	.56	7.30	224.1	59.53
Total	196.2	13,053	.62	7.87	200.2	52.27
April - June						
Kentucky	79.0	12,868	.57	8.32	191.8	49.36
West Virginia	69.1	13,086	.66	7.90	198.2	51.87
Total	148.1	12,969	.61	8.12	194.8	50.53
Year to Date						
Kentucky	170.7	12,862	.58	8.26	193.0	49.65
West Virginia	145.4	13,147	.67	7.77	198.4	52.17
Venezuela	28.2	13,281	.56	7.30	224.1	59.53
Total	344.3	13,017	.62	7.98	197.9	51.52
Company and Plant: Central Power and Light (CSW), Coletto Creek						
1990						
Colorado	1,828.8	10,588	0.38	6.30	206.0	43.63
Total	1,828.8	10,588	.38	6.30	206.0	43.63
1991						
Colorado	1,733.6	10,753	.38	5.99	207.6	44.64
Total	1,733.6	10,753	.38	5.99	207.6	44.64
1992						
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
Total	1,860.4	10,978	.40	6.37	203.5	44.68
1993						
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
Total	1,900.5	10,676	.41	6.56	199.1	42.51
1994						
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
Total	1,818.3	10,858	.42	6.63	195.0	42.35
1995						
January - March						
Colorado	341.4	10,785	.39	6.56	192.4	41.50
Total	341.4	10,785	.39	6.56	192.4	41.50
April - June						
Colorado	417.7	11,149	.40	6.30	167.3	37.30
Total	417.7	11,149	.40	6.30	167.3	37.30
Year to Date						
Colorado	759.1	10,985	.40	6.41	178.4	39.19
Total	759.1	10,985	.40	6.41	178.4	39.19
Company and Plant: Delmarva Power & Light, Edgemoor						
1990						
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
Total	565.9	13,318	.85	7.78	200.3	53.35
1991						
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
Total	506.4	13,240	.81	7.90	184.3	48.81
1992						
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
Total	554.0	13,101	.80	8.65	183.4	48.06
1993						
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
Total	442.5	13,188	.83	8.36	187.7	49.50

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, 1990-1995 (Continued)**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Company and Plant: Delmarva Power & Light, Edgemoor						
1994						
Kentucky	7.0	12,991	0.57	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
Total	675.2	13,046	.78	8.58	158.8	41.44
1995						
January - March						
West Virginia	126.6	12,938	.77	8.71	162.6	42.08
Total	126.6	12,938	.77	8.71	162.6	42.08
April - June						
West Virginia	59.5	13,108	.82	9.22	162.4	42.56
Total	59.5	13,108	.82	9.22	162.4	42.56
Year to Date						
West Virginia	186.1	12,993	.79	8.87	162.5	42.24
Total	186.1	12,993	.79	8.87	162.5	42.24
Company and Plant: Detroit Edison Co, River Rouge						
1990						
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
Total	987.0	12,523	.70	10.09	166.2	41.62
1991						
Kentucky	55.0	12,585	.87	7.75	204.4	51.46
West Virginia	892.0	12,566	.69	10.70	160.2	40.26
Wyoming	84.0	8,790	.28	4.82	110.3	19.39
Total	1,031.0	12,260	.66	10.06	159.7	39.16
1992						
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
Total	968.0	11,753	.59	9.50	150.6	35.41
1993						
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
Total	1,258.0	11,335	.61	8.53	149.6	33.91
1994						
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
Total	1,271.0	11,499	.60	9.29	154.0	35.41
1995						
January - March						
Kentucky	21.0	13,102	.56	6.60	204.0	53.44
West Virginia	138.0	12,407	.66	12.12	171.9	42.65
Wyoming	96.0	8,755	.23	4.88	107.2	18.78
Total	255.0	11,089	.49	8.94	155.8	34.55
April - June						
Colorado	44.0	11,818	.48	8.10	149.3	35.29
Kentucky	31.0	12,849	.67	7.62	165.2	42.44
West Virginia	108.0	12,324	.85	11.94	145.6	35.88
Wyoming	137.0	8,765	.27	5.16	106.9	18.74
Total	320.0	10,781	.54	8.09	134.9	29.10
Year to Date						
Colorado	44.0	11,818	.48	8.10	149.3	35.29
Kentucky	52.0	12,951	.62	7.21	181.0	46.88
West Virginia	246.0	12,370	.74	12.04	160.4	39.68
Wyoming	233.0	8,761	.25	5.05	107.1	18.76
Total	575.0	10,918	.51	8.47	144.3	31.52

See footnotes at the end of Table A7.

**Table A7. Cost and Quality of All Coal Received at Electric Utility Plants
that Import Coal by Origin, 1990-1995 (Continued)**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Company and Plant: Florida Power Corp, IMT Transfer						
1992						
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
Total	1,378.8	12,452	.85	9.11	169.6	42.23
1993						
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
Total	996.4	12,507	.79	9.26	167.8	41.98
1994						
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
Total	1,420.1	12,507	.77	9.41	175.8	43.97
1995						
January - March						
Kentucky	197.2	12,427	.83	9.41	171.6	42.65
West Virginia	194.7	12,429	.82	10.21	175.9	43.73
Total	391.8	12,428	.83	9.81	173.7	43.19
April - June						
Kentucky	217.5	12,473	.76	9.05	169.5	42.28
West Virginia	96.0	12,501	.77	8.85	175.1	43.77
Total	313.5	12,481	.77	8.99	171.2	42.74
Year to Date						
Kentucky	414.7	12,451	.79	9.22	170.5	42.46
West Virginia	290.7	12,453	.81	9.76	175.6	43.74
Total	705.4	12,452	.80	9.44	172.6	42.99
Company and Plant: Gulf Power, Crist						
1990						
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
Total	2,108.2	12,035	2.81	8.29	188.6	45.39
1991						
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
Total	1,873.0	12,000	2.72	8.47	180.4	43.29
1992						
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
Total	2,077.5	11,945	2.71	8.53	172.2	41.13
1993						
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
Total	2,145.9	12,124	2.10	7.72	176.7	42.85
1994						
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
Total	1,904.4	11,964	1.95	7.31	179.8	43.02
1995						
January - March						
Illinois	169.1	12,297	1.00	6.24	224.9	55.32
Venezuela	159.1	12,327	.94	6.13	230.7	56.88
Total	328.3	12,311	.97	6.19	227.7	56.08
April - June						
Illinois	223.5	12,350	.93	6.50	226.0	55.82
Venezuela	213.4	12,388	.86	6.40	230.4	57.07
Total	437.0	12,368	.90	6.45	228.1	56.43

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, 1990-1995 (Continued)

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Company and Plant: Gulf Power, Crist						
1995						
Year to Date						
Illinois	392.7	12,327	0.96	6.39	225.5	55.61
Venezuela	372.6	12,362	.90	6.29	230.5	56.99
Total	765.3	12,344	.93	6.34	228.0	56.28
Company and Plant: Gulf Power, Scholtz						
1990						
Kentucky	236.2	12,347	2.78	8.35	159.9	39.49
Total	236.2	12,347	2.78	8.35	159.9	39.49
1991						
Kentucky	67.9	12,685	2.86	7.08	151.3	38.39
Total	67.9	12,685	2.86	7.08	151.3	38.39
1992						
Kentucky	31.7	12,192	3.06	8.84	148.7	36.27
Total	31.7	12,192	3.06	8.84	148.7	36.27
1993						
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
Total	79.6	12,249	2.29	7.98	161.7	39.62
1994						
Kentucky	67.1	11,861	3.09	9.35	168.7	40.03
Total	67.1	11,861	3.09	9.35	168.7	40.03
1995						
April - June						
Kentucky	14.9	12,642	3.03	8.12	152.3	38.50
Total	14.9	12,642	3.03	8.12	152.3	38.50
Year to Date						
Kentucky	14.9	12,642	3.03	8.12	152.3	38.50
Total	14.9	12,642	3.03	8.12	152.3	38.50
Company and Plant: Gulf Power, Smith						
1990						
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
Total	668.3	12,012	2.76	8.67	203.5	48.90
1991						
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
Total	1,038.8	12,007	2.72	8.34	210.6	50.57
1992						
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
Total	884.8	11,996	2.80	8.45	221.9	53.23
1993						
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
Total	918.9	11,893	1.85	7.55	179.5	42.69
1994						
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
Total	877.3	12,051	1.36	7.35	171.1	41.23
1995						
January - March						
Illinois	194.5	11,897	1.76	7.55	179.0	42.59
Venezuela	84.4	12,197	.95	6.51	236.5	57.70
Total	278.9	11,988	1.51	7.24	196.7	47.16

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, 1990-1995 (Continued)**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Company and Plant: Gulf Power, Smith						
1995						
April - June						
Illinois	251.2	11,662	2.52	8.64	132.9	31.00
Venezuela	6.2	12,267	.88	6.97	234.3	57.49
Total	257.5	11,676	2.48	8.60	135.5	31.64
Year to Date						
Illinois	445.7	11,764	2.19	8.16	153.2	36.05
Venezuela	90.6	12,202	.95	6.54	236.4	57.69
Total	536.4	11,838	1.98	7.89	167.7	39.71
Company and Plant: Holyoke Water Power (NU), Mount Tom						
1990						
Pennsylvania	405.4	13,055	1.38	6.55	177.2	46.26
Total	405.4	13,055	1.38	6.55	177.2	46.26
1991						
Pennsylvania	400.3	13,137	1.47	6.63	175.5	46.11
Total	400.3	13,137	1.47	6.63	175.5	46.11
1992						
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
Total	362.9	13,224	1.33	6.31	168.8	44.65
1993						
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
Total	314.2	13,197	1.49	6.39	165.6	43.71
1994						
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
Total	344.9	13,119	1.33	6.68	164.4	43.13
1995						
January - March						
Kentucky	59.7	12,961	.52	7.40	195.5	50.66
Pennsylvania	27.6	13,169	1.52	7.20	157.9	41.60
Total	87.3	13,027	.84	7.33	183.4	47.79
April - June						
Kentucky	29.6	13,127	.54	7.30	191.7	50.33
Pennsylvania	79.4	13,210	1.36	7.32	158.3	41.83
Total	109.1	13,187	1.14	7.31	167.4	44.14
Year to Date						
Kentucky	89.3	13,016	.53	7.36	194.2	50.55
Pennsylvania	107.1	13,199	1.40	7.29	158.2	41.77
Total	196.4	13,116	1.01	7.32	174.5	45.76
Company and Plant: Jacksonville Electric Authority, St Johns River						
1990						
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
Total	3,454.9	12,336	.94	9.09	176.4	43.52
1991						
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
Total	3,983.4	12,346	1.07	8.64	166.0	41.00
1992						
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
Total	3,624.4	12,329	.93	8.57	163.2	40.25

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, 1990-1995 (Continued)**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Company and Plant: Jacksonville Electric Authority, St Johns River						
1993						
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
Total	3,834.6	12,185	.89	7.95	152.6	37.18
1994						
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
Total	3,734.1	12,197	.88	8.58	155.2	37.85
1995						
January - March						
Kentucky	372.1	12,582	1.23	9.30	168.8	42.48
West Virginia	157.6	12,258	.88	12.18	187.5	45.97
Colombia	464.2	11,884	.70	7.39	148.0	35.18
Total	993.9	12,205	.93	8.87	162.3	39.63
April - June						
Kentucky	480.9	12,547	1.24	9.30	170.4	42.75
West Virginia	191.6	12,129	.89	12.89	191.0	46.32
Colombia	133.7	11,752	.66	7.90	152.1	35.75
Total	806.1	12,316	1.06	9.92	172.3	42.44
Year to Date						
Kentucky	853.0	12,562	1.23	9.30	169.7	42.64
West Virginia	349.2	12,187	.89	12.57	189.4	46.16
Colombia	597.9	11,854	.69	7.51	148.9	35.31
Total	1,800.1	12,255	.99	9.34	166.8	40.89
Company and Plant: Mississippi Power (Southern Co), Daniel						
1990						
Kentucky	1,221.9	12,996	0.72	6.95	166.1	43.17
Total	1,221.9	12,996	.72	6.95	166.1	43.17
1991						
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
Total	1,412.3	12,682	.69	7.16	169.9	43.09
1992						
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
Total	963.7	12,369	.66	6.79	166.9	41.29
1993						
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
Total	1,178.5	11,999	.58	7.39	169.9	40.78
1994						
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
Total	2,282.8	10,334	.44	7.06	151.8	31.38
1995						
January - March						
Montana	727.7	9,382	.37	4.42	140.1	26.29
Total	727.7	9,382	.37	4.42	140.1	26.29
April - June						
Colorado	346.3	10,994	.42	10.32	162.7	35.78
Montana	112.5	9,423	.35	4.33	139.9	26.37
Total	458.9	10,609	.40	8.85	157.8	33.47
Year to Date						
Colorado	346.3	10,994	.42	10.32	162.7	35.78
Montana	840.2	9,388	.36	4.41	140.1	26.30
Total	1,186.6	9,856	.38	6.13	147.4	29.07

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, 1990-1995 (Continued)**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Company and Plant: New England Power (NEES), Brayton Point						
1990						
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
Total	2,420.5	13,032	1.24	8.44	170.0	44.30
1991						
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
Total	2,712.7	13,142	1.15	8.13	171.2	45.00
1992						
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
Total	2,546.9	13,049	1.09	8.32	168.3	43.94
1993						
Kentucky	68.7	12,641	.54	7.18	167.7	42.39
Maryland	1.0	13,161	1.48	10.11	153.6	40.44
West Virginia	1,659.3	12,985	1.05	8.54	167.5	43.51
Wyoming	7.0	8,889	.30	5.37	174.9	31.09
Colombia	187.2	12,144	.64	5.42	178.5	43.35
Venezuela	239.9	13,132	.71	7.83	162.5	42.67
Total	2,163.1	12,905	.96	8.14	167.9	43.33
1994						
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
Total	2,819.1	12,822	.95	8.24	168.6	43.24
1995						
January - March						
Kentucky	10.4	12,140	.67	11.99	152.2	36.95
West Virginia	334.2	12,688	.69	9.32	173.2	43.94
Colombia	118.9	12,218	.61	5.66	168.8	41.26
Venezuela	133.9	12,912	.66	7.38	162.5	41.95
Total	597.4	12,635	.67	8.20	169.5	42.84
April - June						
Kentucky	79.9	12,715	.74	7.23	176.3	44.83
West Virginia	521.1	12,750	.70	9.14	174.8	44.58
Venezuela	71.9	12,879	.64	6.18	176.8	45.55
Total	672.9	12,760	.70	8.60	175.2	44.71
Year to Date						
Kentucky	90.3	12,649	.73	7.78	173.6	43.93
West Virginia	855.3	12,726	.70	9.21	174.2	44.33
Colombia	118.9	12,218	.61	5.66	168.8	41.26
Venezuela	205.8	12,900	.66	6.96	167.5	43.21
Total	1,270.3	12,701	.69	8.41	172.6	43.83
Company and Plant: New England Power (NEES), Salem Harbor						
1990						
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
Total	883.4	13,135	1.18	7.33	177.2	46.56

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, 1990-1995 (Continued)**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Company and Plant: New England Power (NEES), Salem Harbor						
1991						
Virginia	120.6	13,938	0.77	4.26	172.1	47.97
West Virginia	760.4	13,102	1.44	9.66	171.9	45.05
Total	881.0	13,216	1.35	8.92	172.0	45.45
1992						
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
Total	870.9	13,140	1.41	9.04	166.3	43.70
1993						
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
Total	779.2	12,987	1.07	8.72	165.8	43.05
1994						
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
Total	729.7	12,632	.65	6.69	161.6	40.84
1995						
January - March						
West Virginia	79.5	12,719	.70	9.26	182.4	46.40
Venezuela	135.0	12,937	.66	5.96	164.6	42.59
Total	214.5	12,857	.67	7.18	171.1	44.00
April - June						
West Virginia	38.1	12,483	.64	8.27	185.9	46.42
Colombia	83.8	12,110	.58	5.60	141.0	34.14
Venezuela	94.5	12,783	.63	6.78	164.1	41.95
Total	216.4	12,470	.61	6.59	159.2	39.71
Year to Date						
West Virginia	117.6	12,643	.68	8.94	183.5	46.41
Colombia	83.8	12,110	.58	5.60	141.0	34.14
Venezuela	229.5	12,874	.65	6.30	164.4	42.33
Total	430.9	12,662	.64	6.88	165.2	41.85
Company and Plant: Ohio Edison, Burger Plant						
1990						
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
Total	1,305.4	11,846	3.00	12.03	117.6	27.87
1991						
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
Total	997.2	12,041	3.31	11.28	119.9	28.88
1992						
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
Total	1,207.7	11,913	3.24	10.88	109.2	26.01
1993						
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
Total	1,257.5	12,113	3.55	11.41	101.5	24.58
1994						
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
Total	1,002.9	12,244	3.53	10.69	99.4	24.34

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, 1990-1995 (Continued)**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Company and Plant: Ohio Edison, Burger Plant						
1995						
January - March						
Ohio	160.1	12,383	3.67	10.31	98.2	24.32
Pennsylvania	61.7	13,056	2.53	8.62	94.7	24.74
West Virginia	40.3	12,198	3.22	11.86	91.9	22.41
Total	262.1	12,513	3.33	10.15	96.4	24.13
April - June						
Ohio	39.5	12,539	3.82	10.09	94.7	23.76
Pennsylvania	60.6	12,320	2.52	10.91	91.4	22.53
West Virginia	43.8	12,261	1.84	12.59	95.8	23.48
Total	143.9	12,363	2.67	11.19	93.7	23.16
Year to Date						
Ohio	199.6	12,414	3.70	10.27	97.5	24.21
Pennsylvania	122.3	12,692	2.52	9.75	93.2	23.64
West Virginia	84.1	12,231	2.50	12.24	93.9	22.97
Total	406.0	12,460	3.10	10.52	95.4	23.78
Company and Plant: Public Serv Co of Indiana, Gallagher						
1990						
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
Total	1,090.2	10,959	2.35	9.10	134.9	29.56
1991						
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
Total	1,143.5	11,193	2.30	8.39	127.6	28.57
1992						
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
Total	1,144.5	11,240	2.04	8.82	137.2	30.84
1993						
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
Total	721.5	11,589	2.14	8.53	133.6	30.96
1994						
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
Total	1,517.6	12,155	1.88	8.65	122.6	29.81
1995						
January - March						
Illinois	195.8	11,801	1.48	7.14	122.2	28.85
Indiana	71.8	11,045	1.38	9.44	114.2	25.22
Pennsylvania	39.5	13,183	2.39	8.10	101.1	26.65
Total	307.1	11,802	1.57	7.80	117.4	27.72
April - June						
Illinois	101.9	11,953	1.30	6.95	123.5	29.52
Indiana	38.0	10,999	1.18	9.91	120.2	26.43
Pennsylvania	140.9	13,153	2.42	8.19	100.6	26.47
Total	280.8	12,426	1.84	7.97	110.9	27.57
Year to Date						
Illinois	297.7	11,853	1.42	7.08	122.7	29.08
Indiana	109.8	11,029	1.31	9.60	116.3	25.64
Pennsylvania	180.4	13,160	2.41	8.17	100.7	26.51
Total	587.9	12,100	1.70	7.88	114.2	27.65

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, 1990-1995 (Continued)**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Company and Plant: Public Serv Co of New Hampshire, Merrimack						
1990						
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
Total	971.0	13,364	2.13	6.96	174.5	46.65
1991						
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
Total	959.7	13,286	1.71	6.63	173.8	46.18
1992						
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
Total	1,003.3	13,316	1.80	6.51	168.1	44.77
1993						
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
Total	1,096.3	13,216	1.81	6.77	162.4	42.93
1994						
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
Total	979.0	13,197	1.78	6.86	154.1	40.67
1995						
January - March						
Pennsylvania	216.6	13,204	1.53	6.88	159.7	42.17
West Virginia	74.4	13,321	2.11	6.17	140.7	37.48
Total	291.0	13,234	1.68	6.70	154.8	40.97
April - June						
Pennsylvania	179.6	13,172	1.46	7.08	162.3	42.76
Virginia	19.1	13,910	.68	7.00	203.5	56.61
West Virginia	38.7	13,446	2.42	6.70	140.2	37.71
Colombia	11.5	11,578	.53	3.80	192.9	44.67
Total	248.9	13,198	1.51	6.86	163.4	43.13
Year to Date						
Pennsylvania	396.2	13,190	1.50	6.97	160.9	42.44
Virginia	19.1	13,910	.68	7.00	203.5	56.61
West Virginia	113.0	13,364	2.22	6.35	140.5	37.56
Colombia	11.5	11,578	.53	3.80	192.9	44.67
Total	539.9	13,217	1.60	6.77	158.7	41.96
Company and Plant: Public Serv Co of New Hampshire, Schiller						
1990						
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
Total	299.8	13,105	.80	6.05	190.0	49.81
1991						
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
Total	324.6	13,132	.58	5.86	176.2	46.28
1992						
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
Total	222.9	13,010	.73	6.56	170.3	44.31
1993						
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
Total	210.1	12,991	.63	6.62	152.3	39.58

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, 1990-1995 (Continued)**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Company and Plant: Public Serv Co of New Hampshire, Schiller						
1994						
Colombia	163.3	12,505	0.62	5.55	135.5	33.89
Indonesia	113.0	12,360	.53	3.58	158.7	39.23
Total	276.3	12,446	.58	4.74	144.9	36.07
1995						
January - March						
West Virginia	14.7	12,998	.98	8.60	170.0	44.19
Colombia	27.5	12,271	.66	5.90	161.9	39.73
Venezuela	54.4	13,060	.69	7.25	154.8	40.44
Total	96.6	12,826	.73	7.07	159.1	40.81
April - June						
West Virginia	28.5	13,054	.80	8.39	164.1	42.84
Colombia	70.4	13,062	.62	7.54	161.3	42.14
Total	98.9	13,060	.67	7.79	162.1	42.34
Year to Date						
West Virginia	43.2	13,035	.86	8.46	166.1	43.30
Colombia	97.8	12,840	.63	7.08	161.5	41.47
Venezuela	54.4	13,060	.69	7.25	154.8	40.44
Total	195.5	12,945	.70	7.43	160.6	41.58
Company and Plant: Public Serv Electric & Gas-NJ, Hudson						
1990						
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
Total	1,100.3	13,093	.80	8.12	180.9	47.37
1991						
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
Total	511.2	13,043	.80	7.81	184.0	48.01
1992						
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
Total	569.4	13,111	.82	7.12	176.5	46.28
1993						
Kentucky	76.0	13,336	.84	6.75	185.7	49.54
West Virginia	362.0	12,930	.81	7.93	188.1	48.65
Total	438.0	13,000	.82	7.73	187.7	48.80
1994						
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
Total	567.4	13,118	.77	7.48	200.9	52.71
1995						
January - March						
Kentucky	64.7	13,231	.64	7.03	206.7	54.69
West Virginia	16.0	13,240	.82	7.16	209.1	55.38
Total	80.7	13,233	.68	7.06	207.2	54.82
April - June						
Kentucky	143.7	12,941	.65	6.94	193.6	50.11
West Virginia	39.8	13,068	.78	7.25	188.5	48.75
Total	183.5	12,969	.68	7.01	192.1	49.82
Year to Date						
Kentucky	208.4	13,031	.65	6.97	197.7	51.53
West Virginia	55.8	13,117	.79	7.22	193.1	50.65
Total	264.2	13,049	.68	7.02	196.7	51.35
Company and Plant: Savannah Electric and Power, Port Wentworth						
1990						
Virginia	417.8	12,946	1.06	8.66	166.9	43.21
Total	417.8	12,946	1.06	8.66	166.9	43.21
1991						
Kentucky	10.3	12,308	.97	10.84	167.7	41.27
Virginia	178.6	12,665	.87	9.55	165.2	41.85
Total	189.0	12,646	.87	9.63	165.3	41.82

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, 1990-1995 (Continued)

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Company and Plant: Savannah Electric and Power, Port Wentworth						
1992						
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
Total	63.5	12,371	1.00	12.04	147.4	36.46
1993						
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
Total	259.9	12,777	.98	9.97	173.7	44.40
1994						
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
Total	167.0	12,438	1.11	9.31	174.0	43.27
1995						
January - March						
Kentucky	9.9	11,801	.55	14.50	143.0	33.75
Total	9.9	11,801	.55	14.50	143.0	33.75
April - June						
Virginia	61.3	13,211	.92	8.84	153.6	40.58
Total	61.3	13,211	.92	8.84	153.6	40.58
Year to Date						
Kentucky	9.9	11,801	.55	14.50	143.0	33.75
Virginia	61.3	13,211	.92	8.84	153.6	40.58
Total	71.2	13,014	.87	9.63	152.2	39.63
Company and Plant: Takoma Dept. of Public Utilities, Steam No.2						
1991						
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
Total	27.0	10,004	.46	12.76	209.0	41.82
1992						
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
Total	23.7	10,043	.43	10.87	197.5	39.67
1993						
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
Total	41.4	9,951	.46	10.64	179.3	35.68
1994						
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
Total	36.1	9,655	.45	6.87	175.1	33.81
1995						
January - March						
Canada	6.0	10,012	.48	13.00	166.0	33.24
Total	6.0	10,012	.48	13.00	166.0	33.24
April - June						
Montana	3.8	9,470	.36	4.64	180.0	34.09
Total	3.8	9,470	.36	4.64	180.0	34.09
Year to Date						
Montana	3.8	9,470	.36	4.64	180.0	34.09
Canada	6.0	10,012	.48	13.00	166.0	33.24
Total	9.9	9,801	.43	9.75	171.3	33.57
Company and Plant: Tampa Electric, Big Bend ²						
1990						
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

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, 1990-1995 (Continued)**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Company and Plant: Tampa Electric, Big Bend ²						
1990						
Virginia	90.0	14,040	0.83	4.57	161.4	45.32
West Virginia	434.5	13,239	2.08	7.40	194.7	51.54
Total	6,092.6	12,217	2.31	7.88	176.2	43.05
1991						
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
Total	5,800.5	12,211	2.34	7.97	185.7	45.34
1993						
Illinois	35.2	11,194	.82	11.00	185.1	41.44
Total	35.2	11,194	.82	11.00	185.1	41.44
Company and Plant: Tampa Electric, Davant Transfer						
1992						
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
Total	5,528.1	12,255	2.30	8.09	182.4	44.70
1993						
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
Total	5,650.8	12,182	2.16	8.08	181.9	44.31
1994						
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
Total	5,934.5	11,979	2.33	8.02	174.8	41.89
1995						
January - March						
Colorado	201.3	12,938	.41	10.00	184.5	47.74
Illinois	542.6	11,360	2.41	8.67	175.5	39.87
Kentucky	360.3	12,165	2.65	7.66	169.4	41.20
Tennessee	47.9	12,363	1.09	8.53	230.2	56.92
Indonesia	214.2	9,710	.40	1.16	140.1	27.20
Total	1,366.3	11,581	1.82	7.42	172.7	39.99
April - June						
Colorado	166.4	12,981	.42	9.86	184.0	47.78
Illinois	542.9	11,508	2.33	8.55	178.4	41.07
Kentucky	498.7	11,676	2.62	7.60	131.1	30.62
Tennessee	40.3	12,535	1.15	8.89	228.8	57.36
Total	1,248.2	11,805	2.15	8.36	162.3	38.32
Year to Date						
Colorado	367.7	12,958	.42	9.94	184.3	47.76
Illinois	1,085.5	11,434	2.37	8.61	177.0	40.47
Kentucky	858.9	11,881	2.63	7.62	147.5	35.06
Tennessee	88.2	12,441	1.11	8.70	229.6	57.12
Indonesia	214.2	9,710	.40	1.16	140.1	27.20

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, 1990-1995 (Continued)**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Company and Plant: Tampa Electric, Davant Transfer						
1995						
Year to Date						
Total	2,614.6	11,688	1.98	7.86	167.7	39.19
Total of U.S. Electric Utility Plants						
1990						
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	9,331.7	12,595	1.63	7.91	173.1	43.61
Maryland	40.1	13,684	1.02	6.61	185.2	50.69
Ohio	1,011.1	11,825	3.08	12.03	111.0	26.25
Pennsylvania	1,420.6	12,937	1.58	8.19	171.6	44.40
Tennessee	126.3	12,780	1.11	6.60	215.2	55.00
Virginia	1,664.8	13,136	1.13	7.95	172.1	45.20
West Virginia	8,359.0	12,906	1.10	9.01	175.8	45.37
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
Total	34,106.4	11,861	1.40	7.96	174.1	41.30
1991						
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
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	1,371.0	13,050	1.65	7.40	172.6	45.06
Tennessee	158.3	12,795	1.18	6.54	218.2	55.84
Virginia	1,079.4	13,244	.99	7.31	172.6	45.72
Washington	.1	12,846	.70	14.50	170.0	43.68
West Virginia	8,871.9	12,883	1.02	9.19	173.5	44.69
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
Total	34,470.9	11,813	1.35	7.82	171.7	40.57
1992						
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	1,203.0	13,126	1.63	6.88	166.1	43.61
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	9,892.6	12,854	.99	9.24	168.2	43.24
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
Total	35,411.8	11,742	1.32	7.94	166.9	39.20
1993						
Alabama	72.3	12,337	2.09	11.73	191.1	47.15
Colorado	1,947.6	10,661	.40	6.86	198.9	42.40
Illinois	3,596.4	11,738	2.56	8.43	174.6	40.99
Indiana	485.4	11,003	2.15	8.88	136.5	30.05
Kentucky	7,628.4	12,625	1.44	8.27	174.9	44.16
Maryland	11.1	13,214	1.33	9.79	165.3	43.67
Montana	187.7	9,428	.39	4.58	160.4	30.24

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, 1990-1995 (Continued)

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Total of U.S. Electric Utility Plants						
1993						
Ohio	1,151.5	12,135	3.57	11.37	102.2	24.81
Pennsylvania	1,235.2	13,114	1.87	6.96	155.5	40.77
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	421.8	12,986	.94	9.05	186.8	48.51
Washington	2.2	10,967	.70	14.47	163.5	35.87
West Virginia	7,422.2	12,885	1.06	8.94	167.6	43.20
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
Total	35,387.7	11,627	1.21	7.68	164.8	38.31
1994						
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	7,034.5	12,541	1.52	8.38	177.0	44.40
Maryland	13.3	13,070	.74	6.23	168.2	43.97
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	1,741.4	13,142	1.83	7.10	142.2	37.37
Tennessee	276.1	12,628	1.14	7.43	215.3	54.38
Virginia	71.3	12,767	.95	9.45	167.8	42.86
Washington	3.3	10,865	.72	13.30	165.3	35.91
West Virginia	9,282.6	12,709	.96	9.64	165.0	41.95
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
Total	39,040.3	11,590	1.14	7.77	161.7	37.48
1995						
January - March						
Colorado	542.8	11,584	.40	7.83	189.1	43.81
Illinois	1,102.1	11,677	1.91	7.83	174.5	40.76
Indiana	71.8	11,045	1.38	9.44	114.2	25.22
Kentucky	1,296.3	12,550	1.40	8.46	173.5	43.54
Montana	727.7	9,382	.37	4.42	140.1	26.29
Ohio	160.1	12,383	3.67	10.31	98.2	24.32
Pennsylvania	345.5	13,172	1.81	7.35	141.3	37.23
Tennessee	47.9	12,363	1.09	8.53	230.2	56.92
West Virginia	2,154.1	12,593	.81	10.24	162.0	40.80
Wyoming	1,585.1	8,492	.36	4.92	150.2	25.51
Canada	6.0	10,012	.48	13.00	166.0	33.24
Colombia	610.6	11,966	.68	6.99	152.8	36.57
Indonesia	214.2	9,710	.40	1.16	140.1	27.20
Venezuela	595.1	12,691	.78	6.59	193.1	49.02
Total	9,459.2	11,392	.96	7.48	163.1	37.15
April - June						
Colorado	974.5	11,437	.42	8.42	168.1	38.46
Illinois	1,119.6	11,751	2.00	8.02	173.2	40.70
Indiana	38.0	10,999	1.18	9.91	120.2	26.43
Kentucky	1,905.1	12,506	1.37	7.95	159.8	39.98
Montana	116.4	9,425	.35	4.34	141.2	26.62
Ohio	39.5	12,539	3.82	10.09	94.7	23.76
Pennsylvania	460.5	13,061	1.88	7.96	133.8	34.95
Tennessee	40.3	12,535	1.15	8.89	228.8	57.36
Virginia	80.4	13,377	.86	8.40	165.9	44.39
West Virginia	1,999.5	12,597	.80	10.25	163.0	41.06
Wyoming	1,615.1	8,462	.34	5.01	153.7	26.01
Colombia	299.3	12,154	.62	7.01	152.8	37.14
Venezuela	386.1	12,574	.77	6.46	203.7	51.23
Total	9,074.2	11,580	1.00	7.88	162.4	37.61

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, 1990-1995 (Continued)**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Total of U.S. Electric Utility Plants						
1995						
Year to Date						
Colorado	1,517.2	11,489	0.41	8.21	175.7	40.37
Illinois	2,221.7	11,715	1.96	7.92	173.9	40.73
Indiana	109.8	11,029	1.31	9.60	116.3	25.64
Kentucky	3,201.4	12,524	1.38	8.16	165.4	41.42
Montana	844.1	9,388	.36	4.41	140.2	26.33
Ohio	199.6	12,414	3.70	10.27	97.5	24.21
Pennsylvania	806.0	13,109	1.85	7.70	137.1	35.93
Tennessee	88.2	12,441	1.11	8.70	229.6	57.12
Virginia	80.4	13,377	.86	8.40	165.9	44.39
West Virginia	4,153.6	12,595	.81	10.25	162.5	40.93
Wyoming	3,200.2	8,477	.35	4.97	152.0	25.77
Canada	6.0	10,012	.48	13.00	166.0	33.24
Colombia	909.9	12,028	.66	7.00	152.8	36.76
Indonesia	214.2	9,710	.40	1.16	140.1	27.20
Venezuela	981.2	12,645	.77	6.54	197.3	49.89
Total	18,533.4	11,484	.98	7.67	162.7	37.37

¹ Data reported on quality of coal as received.

² 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

A rotary dumper empties a hopper of coal at a Norfolk, Virginia, coal-exporting facility for overseas destinations. Norfolk is the leading coal-exporting district.

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 1.055×10^3 , 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, 45, 52, 14/15, 16, 17, 18, 19, 20, 21, 24, and 25. In this section, the correlative data are in Tables B1 through B12, respectively.

Table B1. U.S. Coal Production, Imports, Consumption, Exports, and Stocks, 1987-1995
(Thousand Metric Tons)

Year and Quarter	Production	Imports	Producer and Distributor Stocks ¹	Consumption	Exports	Consumer Stocks ¹
1987 January - March	201,576	300	33,167	181,004	15,037	157,100
April - June	198,513	438	30,789	181,098	18,246	159,698
July - September	211,336	431	26,104	208,105	19,081	150,228
October - December	222,063	416	25,692	189,052	19,854	168,246
Total	833,487	1,585		759,260	72,219	
1988 January - March	214,903	492	33,352	200,295	14,570	159,011
April - June	205,609	533	32,730	186,640	22,589	157,222
July - September	219,196	397	28,449	216,520	25,121	140,006
October - December	222,359	514	27,594	198,173	23,923	143,710
Total	862,066	1,936		801,627	86,203	
1989 January - March	224,237	482	32,212	202,743	19,440	135,386
April - June	216,837	623	27,758	188,717	25,805	144,254
July - September	220,500	839	26,171	210,490	21,764	133,506
October - December	228,128	642	26,308	205,171	24,448	132,528
Total	889,702	2,587		807,121	91,458	
1990 January - March	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
Total	933,562	2,449		812,366	95,984	
1991 January - March	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
Total	903,542	3,075		805,236	98,855	
1992 January - March	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
Total	904,958	3,450		809,591	93,001	
1993 January - March	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
Total	857,675	6,631		840,003	67,603	
1994 January - March	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
Total	937,580	6,880		843,865	64,735	
1995 January - March	240,642	1,629	38,410	206,661	17,226	130,141
April - June	225,432	1,460	38,190	197,166	21,032	137,740
Total	466,073	3,089		403,827	38,257	

¹ Reported as of the last day of the quarter.

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

Sources: • Production: Energy Information Administration (EIA), Form EIA-6, "Coal Distribution 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" • 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"; and Form EIA-6, "Coal Distribution Report."

Table B2. U.S. Coal Consumption by End-Use Sector, 1987-1995
(Thousand Metric Tons)

Year and Quarter	Electric Utilities	Coke Plants	Other Industrial	Residential and Commercial	Total
1987 January - March	154,926	7,104	17,333	1,641	181,004
April - June	155,508	8,477	15,976	1,138	181,098
July - September	181,501	8,806	16,335	1,463	208,105
October - December	159,328	9,140	18,555	2,030	189,052
Total	651,263	33,527	68,198	6,272	759,260
1988 January - March	170,559	9,396	18,521	1,818	200,295
April - June	159,671	9,558	16,135	1,276	186,640
July - September	189,186	9,510	16,259	1,565	216,520
October - December	168,568	9,537	18,259	1,809	198,173
Total	687,983	38,000	69,175	6,468	801,627
1989 January - March	173,776	9,261	18,039	1,667	202,743
April - June	161,757	9,403	16,521	1,037	188,717
July - September	184,271	9,079	15,994	1,146	210,490
October - December	175,906	9,006	18,514	1,745	205,171
Total	695,710	36,749	69,068	5,595	807,121
1990 January - March	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
Total	701,752	35,269	69,246	6,100	812,366
1991 January - March	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
Total	700,590	30,712	68,406	5,529	805,236
1992 January - March	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
Total	707,477	29,362	67,170	5,582	809,591
1993 January - March	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
Total	738,002	28,416	67,941	5,644	840,003
1994 January - March	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
Total	741,415	28,794	68,201	5,455	843,865
1995 January - March	180,557	7,384	17,233	1,486	206,661
April - June	173,370	7,522	15,339	936	197,166
Total	353,927	14,906	32,572	2,422	403,827

Notes: Consumption data for 1995 exclude an EIA estimated 3.6 million metric tons per quarter which are consumed by independent power producers to generate electricity and cogeneration plants not included in the other industrial, coke, and commercial sectors. In 1989, 1990, 1991, 1992, 1993, and 1994 these excluded quarterly estimated consumption data were: 199, 363, 1361, 2268, 2800, and 3434 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" and Form EIA-6, "Coal Distribution Report" • Residential and Commercial: Form EIA-6, "Coal Distribution Report."

Table B3. U.S. Coal Stocks, 1987-1995
(Thousand Metric Tons)

Last Day of Quarter	Coal Consumers ¹				Coal Producers and Distributors	Total
	Electric Utilities	Coke Plants	Other Industrial ²	Total		
1987 March 31	146,645	2,427	8,029	157,100	33,167	190,267
June 30	148,199	3,388	8,111	159,698	30,789	190,487
September 30	137,857	3,030	9,341	150,228	26,104	176,332
December 31	154,945	3,524	9,777	168,246	25,692	193,938
1988 March 31	147,511	3,681	7,819	159,011	33,352	192,363
June 30	146,251	3,413	7,557	157,222	32,730	189,952
September 30	129,573	2,610	7,824	140,006	28,449	168,456
December 31	132,909	2,846	7,955	143,710	27,594	171,305
1989 March 31	126,132	3,191	6,063	135,386	32,212	167,598
June 30	135,153	3,049	6,052	144,254	27,758	172,013
September 30	123,051	3,363	7,092	133,506	26,171	159,677
December 31	123,250	2,598	6,680	132,528	26,308	158,836
1990 March 31	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
1991 March 31	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
1992 March 31	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
1993 March 31	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
1994 March 31	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
1995 March 31	122,756	2,467	4,919	130,141	38,410	168,551
June 30	130,268	2,381	5,092	137,740	38,190	175,930

¹ The Residential and Commercial sector are not included. See Technical Note 7 in Appendix C.

² 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, "Coal Distribution Report."

Table B4. U.S. Coal Exports and Imports, 1987-1995
(Thousand Metric Tons, Dollars per Metric Ton)

Year	1987	1988	1989	1990	1991	1992	1993	1994	1995
January - March									
Exports									
Quantity	15,037	14,570	19,440	20,305	20,247	22,436	17,118	13,496	17,226
Price	\$49.37	\$46.35	\$46.59	\$47.65	\$49.14	\$46.61	\$46.80	\$46.18	\$43.98
Imports									
Quantity	300	492	482	666	851	616	1,101	1,678	1,629
Price	\$38.62	\$31.90	\$37.09	\$38.66	\$37.16	\$37.07	\$33.84	\$31.81	\$35.64
April - June									
Exports									
Quantity	18,246	22,589	25,805	25,159	23,781	24,503	18,095	16,275	21,032
Price	\$47.62	\$46.98	\$46.82	\$46.86	\$47.37	\$45.57	\$45.66	\$44.10	\$43.64
Imports									
Quantity	438	533	623	612	662	947	991	1,430	1,460
Price	\$34.93	\$37.19	\$37.69	\$37.11	\$38.14	\$36.33	\$35.56	\$31.67	\$39.86
July - September									
Exports									
Quantity	19,081	25,121	21,764	26,759	28,302	24,023	16,803	17,875	-
Price	\$46.31	\$46.12	\$46.97	\$46.54	\$45.76	\$44.86	\$44.89	\$42.84	-
Imports									
Quantity	431	397	839	466	893	800	1,944	2,090	-
Price	\$35.21	\$29.51	\$38.49	\$35.33	\$34.67	\$37.95	\$32.54	\$34.08	-
October - December									
Exports									
Quantity	19,854	23,923	24,448	23,760	26,526	22,039	15,586	17,089	-
Price	\$45.85	\$46.72	\$47.06	\$47.05	\$45.36	\$45.27	\$45.19	\$43.46	-
Imports									
Quantity	416	514	642	704	669	1,087	2,595	1,681	-
Price	\$33.46	\$32.49	\$36.86	\$39.84	\$36.55	\$36.46	\$31.87	\$35.20	-
Total									
Exports									
Quantity	72,219	86,203	91,458	95,984	98,855	93,001	67,603	64,735	38,257
Price	\$47.15	\$46.55	\$46.87	\$46.99	\$46.73	\$45.57	\$45.65	\$44.02	-
Imports									
Quantity	1,585	1,936	2,587	2,449	3,075	3,450	6,631	6,880	3,089
Price	\$35.32	\$33.03	\$37.63	\$37.97	\$36.51	\$36.88	\$32.95	\$33.30	-

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	April - June 1995	January - March 1995	April - June 1994	Year to date		
				1995	1994	Percent Change
North America Total	3,341,386	367,449	2,325,044	3,708,835	2,561,234	44.8
Canada ¹	3,242,267	285,126	2,266,513	3,527,393	2,386,367	47.8
Mexico	94,327	69,724	46,457	164,051	144,582	13.5
Other ²	4,792	12,599	12,074	17,391	30,285	-42.6
South America Total	1,601,183	1,214,829	1,247,641	2,816,012	2,549,495	10.5
Argentina	120,189	63,667	127,929	183,856	225,509	-18.5
Brazil	1,456,598	1,142,915	1,113,201	2,599,513	2,316,953	12.2
Other ²	24,396	8,247	6,511	32,643	7,033	364.1
Europe Total	10,570,030	10,584,392	7,979,701	21,154,422	15,722,887	34.5
Belgium & Luxembourg	698,006	1,223,072	1,096,149	1,921,078	2,237,970	-14.2
Bulgaria	306,097	305,088	265,385	611,185	420,112	45.5
Denmark	748,089	400,587	72,572	1,148,676	72,572	(³)
Finland	213,185	59,826	78,100	273,011	139,921	95.1
France	808,645	750,412	710,775	1,559,057	1,349,183	15.6
Germany, FR	435,459	315,297	130,270	750,756	213,577	251.5
Ireland	262,462	227,079	230,654	489,541	450,051	8.8
Italy	2,374,829	1,964,466	1,715,691	4,339,295	3,340,900	29.9
Netherlands	1,325,670	2,031,298	856,344	3,356,968	1,977,329	69.8
Norway	25,218	26,670	20,516	51,888	31,661	63.9
Portugal	331,058	337,674	233,505	668,732	453,825	47.4
Romania	284,982	586,807	283,992	871,789	435,815	100.0
Spain	1,193,846	1,019,402	1,116,388	2,213,248	2,224,044	-5
Sweden	183,974	190,894	144,495	374,868	282,532	32.7
Turkey	358,105	421,866	394,836	779,971	646,315	20.7
United Kingdom	1,014,143	716,542	630,029	1,730,685	1,446,972	19.6
Other ²	6,262	7,412	-	13,674	108	(³)
Asia Total	4,780,958	4,602,932	4,219,930	9,383,890	7,950,662	18.0
China (Taiwan)	454,232	800,812	1,030,231	1,255,044	1,604,498	-21.8
Israel	113,247	224,009	221,308	337,256	333,407	1.2
Japan	3,173,440	2,837,396	2,003,574	6,010,836	4,267,182	40.9
Korea, Republic of	1,039,860	740,666	963,686	1,780,526	1,744,084	2.1
Other ²	179	49	1,131	228	1,491	-84.7
Oceania & Australia Total	68	-	474	68	474	-85.7
Africa Total	738,269	455,940	501,794	1,194,209	986,284	21.1
Algeria	-	49,961	56,711	49,961	156,501	-68.1
Egypt	207,431	222,897	322,669	430,328	539,682	-20.3
Morocco	383,675	-	-	383,675	38,205	(³)
South Africa, Rep of	147,163	183,082	122,414	330,245	251,896	31.1
Total	21,031,894	17,225,542	16,274,584	38,257,436	29,771,036	28.5

¹ 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.

² Includes countries with exports less than or equal to 50,000 short tons (45,359 metric tons) in 1994.

³ 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	April - June 1995	January - March 1995	April - June 1994	Year to date		
				1995	1994	Percent Change
North America Total	\$36.47	\$41.47	\$35.60	\$36.99	\$36.34	1.8
Canada ¹	36.06	39.71	35.29	36.37	35.49	2.5
Mexico	51.99	49.40	49.12	50.79	48.61	4.5
Other ²	39.20	37.39	36.62	37.91	38.94	-2.7
South America Total	47.47	46.77	46.95	47.17	46.47	1.5
Argentina	49.31	44.84	47.40	47.50	47.16	.7
Brazil	47.28	46.89	46.90	47.11	46.40	1.5
Other ²	52.07	42.52	44.98	51.18	44.99	13.8
Europe Total	46.67	45.65	47.12	46.14	47.67	-3.2
Belgium & Luxembourg	46.73	47.12	46.95	46.98	47.67	-1.4
Bulgaria	49.35	46.85	46.95	48.10	46.68	3.0
Denmark	35.91	33.65	32.22	35.11	32.22	9.0
Finland	43.81	49.15	46.95	44.98	46.69	-3.7
France	49.21	49.55	48.49	49.37	48.98	.8
Germany, FR	35.45	37.87	49.79	36.47	50.28	-27.5
Ireland	40.50	38.58	36.90	39.61	36.83	7.5
Italy	48.67	46.42	48.05	47.65	48.33	-1.4
Netherlands	47.13	44.29	46.92	45.42	47.63	-4.6
Portugal	41.74	39.83	37.66	40.78	39.06	4.4
Romania	49.12	46.32	43.05	47.19	41.38	14.0
Spain	50.56	51.15	51.44	50.93	51.68	-1.5
Sweden	53.79	48.43	50.25	51.06	50.25	1.6
Turkey	46.71	45.11	45.79	45.84	46.01	-.4
United Kingdom	50.45	48.79	49.31	49.71	49.81	-.2
Other ²	-	-	-	-	44.91	-
Asia Total	42.96	41.50	43.16	42.24	43.74	-3.4
China (Taiwan)	37.16	41.57	42.36	39.97	42.26	-5.4
Israel	39.10	36.77	38.23	37.55	37.81	-.7
Japan	43.61	40.65	44.18	42.21	44.58	-5.3
Korea, Republic of	43.95	46.31	43.07	44.92	44.20	1.6
Other ²	37.70	-	38.44	37.70	39.43	-4.4
Oceania & Australia Total	-	-	44.04	-	44.04	-
Africa Total	41.49	50.59	47.23	45.42	47.40	-4.2
Algeria	-	50.06	48.27	50.06	47.81	4.7
Egypt	50.85	50.93	45.70	50.91	46.38	9.8
Morocco	36.69	-	-	36.69	37.75	-2.8
South Africa, Rep of	49.70	50.32	50.79	50.04	50.80	-1.5
Total	44.06	44.62	44.48	44.32	45.54	-2.7
U.S. Total³	43.64	43.98	44.11	43.80	45.04	-2.8

¹ 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.

² Includes countries with exports less than or equal to 50,000 short tons (45,359 metric tons) in 1994.

³ U.S. Total is the average price of all coal exports.

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

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

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

Continent and Country of Destination	April - June 1995	January - March 1995	April - June 1994	Year to date		
				1995	1994	Percent Change
North America Total	2,182,026	63,438	1,104,867	2,245,464	1,146,292	95.9
Canada ¹	2,152,128	46,480	1,089,121	2,198,608	1,102,025	99.5
Mexico	25,106	4,359	3,672	29,465	13,982	110.7
Other ²	4,792	12,599	12,074	17,391	30,285	-42.6
South America Total	25,481	13,215	7,495	38,696	10,808	258.0
Argentina	1,063	1,968	984	3,031	1,121	170.4
Brazil	22	3,000	-	3,022	2,654	13.9
Other ²	24,396	8,247	6,511	32,643	7,033	364.1
Europe Total	4,544,153	4,500,947	2,211,960	9,045,100	3,870,124	133.7
Belgium & Luxembourg	189,600	278,780	264,575	468,380	382,897	22.3
Denmark	748,089	400,587	72,572	1,148,676	72,572	(³)
France	12,701	59	22	12,760	156	(³)
Germany, FR	409,410	265,791	1,080	675,201	12,399	(³)
Ireland	262,462	227,079	230,654	489,541	450,051	8.8
Italy	1,169,211	1,081,558	468,601	2,250,769	797,377	182.3
Netherlands	521,851	1,029,036	225,978	1,550,887	436,949	254.9
Norway	-	3,345	-	3,345	-	-
Portugal	331,058	337,674	233,505	668,732	453,825	47.4
Romania	-	271,302	283,992	271,302	369,829	-26.6
Spain	679,714	545,078	430,981	1,224,792	820,958	49.2
Turkey	-	417	-	417	-	-
United Kingdom	220,057	60,241	-	280,298	73,003	284.0
Other ²	-	-	-	-	108	-
Asia Total	1,778,015	2,021,549	1,973,065	3,799,564	3,452,490	10.1
China (Taiwan)	454,232	684,156	1,030,231	1,138,388	1,587,766	-28.3
Israel	113,247	224,009	221,308	337,256	333,407	1.2
Japan	798,753	958,319	344,356	1,757,072	911,581	92.7
Korea, Republic of	411,604	155,016	376,039	566,620	618,245	-8.4
Other ²	179	49	1,131	228	1,491	-84.7
Oceania & Australia Total	68	-	474	68	474	-85.7
Africa Total	383,951	-	-	383,951	38,205	(³)
Morocco	383,675	-	-	383,675	38,205	(³)
South Africa, Rep of	276	-	-	276	-	-
Total	8,913,694	6,599,149	5,297,861	15,512,843	8,518,393	82.1

¹ 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.

² Includes countries with exports less than or equal to 50,000 short tons (45,359 metric tons) in 1994.

³ 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	April - June 1995	January - March 1995	April - June 1994	Year to date		
				1995	1994	Percent Change
North America Total	\$33.96	\$43.02	\$32.24	\$34.19	\$32.64	4.7
Canada ¹	33.91	44.85	32.14	34.12	32.24	5.8
Mexico	42.67	44.03	44.75	42.86	46.04	-6.9
Other ²	39.20	37.39	36.62	37.91	38.94	-2.7
South America Total	51.53	40.52	40.36	49.88	41.33	20.7
Argentina	37.96	37.96	37.96	37.96	37.96	*
Other ²	52.07	42.52	44.98	51.18	44.99	13.8
Europe Total	41.38	40.08	39.45	40.71	39.76	2.4
Belgium & Luxembourg	37.59	39.68	36.94	38.83	37.05	4.8
Denmark	35.91	33.65	32.22	35.11	32.22	9.0
France	45.77	-	-	45.77	44.78	2.2
Germany, FR	34.36	35.75	-	34.91	49.79	-29.9
Ireland	40.50	38.58	36.90	39.61	36.83	7.5
Italy	46.81	43.53	42.25	45.23	42.45	6.6
Netherlands	41.72	39.09	38.84	39.98	38.62	3.5
Portugal	41.74	39.83	37.66	40.78	39.06	4.4
Romania	-	43.08	43.05	43.08	41.38	4.1
Spain	44.96	44.95	45.01	44.96	44.54	.9
Turkey	-	43.95	-	43.95	-	-
United Kingdom	40.91	41.83	-	41.28	51.22	-19.4
Other ²	-	-	-	-	44.91	-
Asia Total	37.19	38.07	39.60	37.66	39.49	-4.6
China (Taiwan)	37.16	40.67	42.36	39.27	42.22	-7.0
Israel	39.10	36.77	38.23	37.55	37.81	-.7
Japan	38.38	37.04	36.09	37.65	37.75	-.3
Korea, Republic of	34.14	33.96	35.88	34.09	35.86	-4.9
Other ²	37.70	-	38.44	37.70	39.43	-4.4
Oceania & Australia Total	-	-	44.04	-	44.04	-
Africa Total	36.70	-	-	36.70	37.75	-2.8
Morocco	36.69	-	-	36.69	37.75	-2.8
South Africa, Rep of	43.84	-	-	43.84	-	-
Total	38.41	39.43	38.14	38.85	38.74	.3
U.S. Total³	37.50	38.20	37.71	37.80	37.73	.2

¹ 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.

² Includes countries with exports less than or equal to 50,000 short tons (45,359 metric tons) in 1994.

³ 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	April - June 1995	January - March 1995	April - June 1994	Year to date		
				1995	1994	Percent Change
North America Total	1,159,360	304,011	1,220,177	1,463,371	1,414,942	3.4
Canada ¹	1,090,139	238,646	1,177,392	1,328,785	1,284,342	3.5
Mexico	69,221	65,365	42,785	134,586	130,600	3.1
South America Total	1,575,702	1,201,614	1,240,146	2,777,316	2,538,687	9.4
Argentina	119,126	61,699	126,945	180,825	224,388	-19.4
Brazil	1,456,576	1,139,915	1,113,201	2,596,491	2,314,299	12.2
Europe Total	6,025,877	6,083,445	5,767,741	12,109,322	11,852,763	2.2
Belgium & Luxembourg	508,406	944,292	831,574	1,452,698	1,855,073	-21.7
Bulgaria	306,097	305,088	265,385	611,185	420,112	45.5
Finland	213,185	59,826	78,100	273,011	139,921	95.1
France	795,944	750,353	710,753	1,546,297	1,349,027	14.6
Germany, FR	26,049	49,506	129,190	75,555	201,178	-62.4
Italy	1,205,618	882,908	1,247,090	2,088,526	2,543,523	-17.9
Netherlands	803,819	1,002,262	630,366	1,806,081	1,540,380	17.2
Norway	25,218	23,325	20,516	48,543	31,661	53.3
Romania	284,982	315,505	-	600,487	65,986	(²)
Spain	514,132	474,324	685,407	988,456	1,403,086	-29.6
Sweden	183,974	190,894	144,495	374,868	282,532	32.7
Turkey	358,105	421,449	394,836	779,554	646,315	20.6
United Kingdom	794,086	656,301	630,029	1,450,387	1,373,969	5.6
Other ³	6,262	7,412	-	13,674	-	-
Asia Total	3,002,943	2,581,383	2,246,865	5,584,326	4,498,172	24.1
China (Taiwan)	-	116,656	-	116,656	16,732	(²)
Japan	2,374,687	1,879,077	1,659,218	4,253,764	3,355,601	26.8
Korea, Republic of	628,256	585,650	587,647	1,213,906	1,125,839	7.8
Africa Total	354,318	455,940	501,794	810,258	948,079	-14.5
Algeria	-	49,961	56,711	49,961	156,501	-68.1
Egypt	207,431	222,897	322,669	430,328	539,682	-20.3
South Africa, Rep of	146,887	183,082	122,414	329,969	251,896	31.0
Total	12,118,200	10,626,393	10,976,723	22,744,593	21,252,643	7.0

¹ 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.

² Changes of 500 percent or more are not shown.

³ Includes countries with exports less than or equal to 50,000 short tons (45,359 metric tons) in 1994.

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

Continent and Country of Destination	April - June 1995	January - March 1995	April - June 1994	Year to date		
				1995	1994	Percent Change
North America Total	\$40.46	\$41.22	\$38.03	\$40.62	\$38.74	4.9
Canada ¹	39.66	38.95	37.61	39.54	37.71	4.8
Mexico	53.00	49.50	49.44	51.30	48.86	5.0
South America Total	47.41	46.79	46.96	47.14	46.47	1.4
Argentina	49.43	45.06	47.47	47.68	47.21	1.0
Brazil	47.28	46.89	46.90	47.11	46.40	1.5
Europe Total	49.99	49.18	49.49	49.57	49.73	-.3
Belgium & Luxembourg	50.14	49.32	50.13	49.61	49.86	-.5
Bulgaria	49.35	46.85	46.95	48.10	46.68	3.0
Finland	43.81	49.15	46.95	44.98	46.69	-3.7
France	49.26	49.55	48.49	49.40	48.98	.9
Germany, FR	52.60	49.25	49.79	50.41	50.30	.2
Italy	50.48	49.96	50.23	50.26	50.18	.2
Netherlands	50.64	49.58	49.81	50.06	50.20	-.3
Romania	49.12	49.11	-	49.11	-	-
Spain	51.83	51.16	51.44	51.38	51.69	-.6
Sweden	53.79	48.43	50.25	51.06	50.25	1.6
Turkey	46.71	45.11	45.79	45.85	46.01	-.4
United Kingdom	51.44	49.37	49.31	50.50	49.73	1.5
Asia Total	46.31	44.13	46.25	45.30	46.98	-3.6
China (Taiwan)	-	46.81	-	46.81	46.58	.5
Japan	45.37	42.49	45.75	44.10	46.39	-5.0
Korea, Republic of	49.85	48.87	47.67	49.38	48.75	1.3
Africa Total	50.07	50.59	47.23	50.42	47.79	5.5
Algeria	-	50.06	48.27	50.06	47.81	4.7
Egypt	50.85	50.93	45.70	50.91	46.38	9.8
South Africa, Rep of	49.71	50.32	50.79	50.05	50.80	-1.5
Total	47.75	47.51	47.16	47.63	47.93	-.6
U.S. Total²	48.16	47.58	47.19	47.89	47.97	-.2

¹ 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.

² U.S. Total is the average price of all coal exports.

Notes: Total may not equal sum of components because of independent rounding. Average price is based on the free alongside ship (f.a.s.) value.
Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report EM 545."

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

Continent and Country of Origin	April - June 1995	January - March 1995	April - June 1994	Year to date		
				1995	1994	Percent Change
North America Total	342,180	201,536	290,586	543,716	489,509	11.1
Canada	319,793	201,410	290,586	521,203	489,429	6.5
Mexico	19	126	-	145	80	81.3
Netherlands Antilles	22,368	-	-	22,368	-	-
South America Total	854,551	1,157,041	814,285	2,011,592	2,066,163	-2.6
Colombia	411,690	709,791	580,737	1,121,481	1,597,258	-29.8
Venezuela	442,861	447,250	233,548	890,111	468,905	89.8
Europe Total	-	214	-	214	-	-
Denmark	-	214	-	214	-	-
Asia Total	159,295	230,212	176,911	389,507	373,795	4.2
China (Mainland)	-	-	101	-	101	-
Indonesia	159,295	230,188	176,810	389,483	373,694	4.2
Japan	-	24	-	24	-	-
Oceania & Australia Total	104,066	39,630	30,790	143,696	55,290	159.9
Australia	65,566	39,630	30,790	105,196	55,290	90.3
New Zealand	38,500	-	-	38,500	-	-
Africa Total	-	-	117,619	-	123,701	-
South Africa, Rep of	-	-	117,619	-	117,619	-
Swaziland	-	-	-	-	6,082	-
Total	1,460,092	1,628,633	1,430,191	3,088,725	3,108,458	-.6

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	April - June 1995	January - March 1995	April - June 1994	Year to date		
				1995	1994	Percent Change
North America Total	\$37.12	\$29.92	\$30.24	\$34.76	\$28.74	20.9
Canada	37.12	29.92	30.24	34.76	28.74	20.9
South America Total	37.45	34.81	30.57	35.93	30.54	17.7
Colombia	34.38	33.81	30.43	34.02	30.36	12.0
Venezuela	40.30	36.38	30.90	38.33	31.12	23.2
Asia Total	46.07	35.57	38.77	39.87	39.64	.6
Indonesia	46.07	35.57	38.77	39.87	39.64	.6
Oceania & Australia Total	39.54	34.72	29.49	38.21	32.10	19.0
Australia	32.71	34.72	29.49	33.47	32.10	4.3
New Zealand	51.17	-	-	51.17	-	-
Africa Total	-	-	25.69	-	25.69	-
South Africa, Rep of	-	-	25.69	-	25.69	-
Total¹	38.51	34.48	31.12	36.39	31.23	16.5
U.S. Total²	39.86	35.63	31.67	37.63	31.75	18.5

¹ 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 \$50 per short ton (\$18.14 to \$45.36 per metric ton) inclusively.

² 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

Coal is a combustible sedimentary organic rock composed primarily of carbon, hydrogen, and oxygen.

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, email <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 coal surveys--of manufacturers consuming coal, of coke plants, and of 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 1 thousand tons or more of coal per year for all uses other than coke production. These data were collected on a monthly basis until 1980, when the reporting cycle was revised to a quarterly schedule. Data on manufacturers' coal stocks, receipts, prices, and consumption are reported.

Through the end of 1988, all manufacturers that consumed coal were required to file Form EIA-3. Beginning with the first quarter of 1989, only those manufacturers that consumed 1 thousand or more tons in the past year were required to report. At present, 725 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 97 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 Note 6 for data adjustment procedures for coal consumption for the other 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 fall 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.

Coke plants were surveyed monthly and a supplemental survey was taken annually until 1981, when the reporting cycle was revised to a quarterly schedule with an annual supplemental survey. In 1985, collection of the annual supplement was ended.

Presently, there are 33 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 fall of the following year.

Coal Distribution Report (Form EIA-6)

Form EIA-6 is used to survey all U.S. companies (producers and/or distributors) that own or purchase and distribute more than 50 thousand short tons of coal annually. Data on coal production and purchases, distribution by consumer category, and method of transportation are reported.

At present, there are 12 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 response rate for the current quarter was 100 percent. The annual production total reported on Form EIA-6 exceeds 99 percent of total production as reported by all mines on Form EIA-7A, "Coal Production Report," due to the difference in reporting thresholds. The data gathered on the Form EIA-6 only represent the domestic coal distributed during the quarter. Therefore, imported coal distributed during the quarter is not included.

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 fall 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 main-

tained 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 that produces, processes, or prepares 10 thousand or more short tons of coal annually in the United States. 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 2,426 respondents to the EIA-7A survey. Data for nonrespondents, if unobtainable through EIA's standard procedures for nonrespondents, were derived from coal production reports from State mining agencies, from coal distributors on Form EIA-6, "Coal Distribution Report," and from Form 7000-2, "Quarterly Mine Employment and Coal Production Report," which contains data collected by MSHA. The respondents on this survey are compared with lists of mining operations maintained by various State agencies and MSHA, to identify new respondents. The coal production and number of mines data on the Form EIA-7A include the entire population of U.S. coal mines. The other information contained on the form represents data for mines producing 10 thousand short tons or more during the year. This subgroup represents approximately 98 percent of all coal production.

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

Electric Utility Surveys

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

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

All data are presented as reported on the surveys. No estimates or other adjustments are made for missing data. 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)

Form EIA-759 (which, until 1982, was called FPC Form 4) is 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 are reported. The respondents to Form EIA-759, approximately 700 plants, account for 100 percent of total electric utility generation.

Current year data from this survey are preliminary and unrevised in the January - March, April - June, and July - September issues of this publication. Usually in the October - December issue, 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 225 electric utilities. (Before 1983, this form was called FPC Form 423, and all fossil-fueled plants with a total generating capacity of 25 megawatts or more were surveyed.) 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.

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

1. Differences in Related Coal Data

Coal Production versus Coal Distribution. Coal production represents newly-mined coal. Coal distribution represents shipments of newly-mined coal and coal from producer/distributor stockpiles (previously mined coal).

Coal Distribution versus Coal Receipts. Differences in coal distribution data and coal receipts data are due to the time lag between distribution and receipt of coal shipments, and due to the survey threshold differences. In addition, coal distributed includes only domestic coal, whereas receipts include imported coal.

Foreign Distribution of U.S. Coal versus U.S. Coal Exports. Foreign distribution of U.S. coal does not equal U.S. coal exports due to reporting time differences and survey threshold differences.

2. 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. Data sources for the *other industrial plants* sector and the *manufacturing* sector are Forms EIA-6 and EIA-3, respectively. The source statement in each table identifies the survey used to collect coal data for the *other industrial plants* sector, and the following technical notes describe the methodology used when data were derived.

3. 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. Shipments of coal to this sector, reported by producers and distributors of coal on Form EIA-6, are equated to coal receipts and consumption by the *residential and commercial* sector, assuming no stock changes.

4. 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. Receipts are derived for each State by two methods, and the method producing the larger value for a State is chosen. The two methods are (1) receipts as reported on Form EIA-3, and (2) shipments to the *other industrial plants* sector as reported on Form EIA-6, which includes shipments to the *transportation* sector.

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

5. Prices

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

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

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

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

Residential and Commercial. Data are not collected. See Technical Note 3.

6. Consumption

Quarterly Data

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

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

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, the first step is to equate consumption to beginning stocks plus receipts minus ending stocks. In terms of an equation, consumption can be expressed as $C = S_b + R - S_e$, where S_b = beginning stocks, R = receipts, and S_e = ending stocks.

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

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.

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. Prior to 1980, monthly coal consumption at coke plants was derived directly from Form EIA-5. For 1981 through 1987, it was derived from the quarterly coal consumption reported on Form EIA-5, using the ratios of monthly to quarterly consumption in 1979, the last year that coke plant data were collected monthly on Form EIA-5. These ratios by month (January - December) are 0.3377, 0.3200, 0.3423; 0.3529, 0.3462, 0.3009; 0.3364, 0.3347, 0.3289; and 0.3273, 0.3301, 0.3426.

Starting with 1988, monthly coal consumption at coke plants is derived from quarterly coal consumption reported on Form EIA-5, using ratios derived from

monthly data on raw steel production published by the American Iron and Steel Institute (AIS) on Form AIS7. The ratio is the proportion of monthly raw steel production from open hearth and basic oxygen process furnaces to the quarterly raw steel production from those furnace types.

Prior to 1978, coal consumption for the *other industrial plants* sector (i.e., industrial users minus coke plants) was derived by using monthly data reported on Form EIA-3 to modify baseline coal consumption figures from the most recent Census of Manufactures or Annual Survey of Manufactures, Bureau of the Census, U.S. Department of Commerce. For 1978 through 1987, data from Forms EIA-3 and EIA-6 are used to compute monthly coal consumption for the *other industrial plants* sector.

Given the quarterly consumption for the *other industrial plants* sector (C), the monthly consumption for the sector (Cm) is estimated for each month in the quarter as $C_m = (C_{m3}/C_3) \times C$ where C_{m3}/C_3 is the ratio of monthly to quarterly coal consumption as reported on Form EIA-3. For the 1978 coal consumption figures, the ratios used are based on 1978 EIA-3 data. For 1979 through 1987, the ratios used are based on the 1979 EIA-3 data. These 1979 ratios by month (January - December) are 0.3593, 0.3264, 0.3143; 0.3485, 0.3332, 0.3183; 0.3317, 0.3407, 0.3276; and 0.3045, 0.3253, 0.3702.

Starting with 1988, monthly coal consumption for the other industrial plants sector is derived from quarterly coal consumption reported on Form EIA-3 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.

Prior to 1980, monthly coal consumption for the *residential and commercial* sector was derived by using monthly data reported on Form EIA-2, "Monthly Coal Report - Retail Dealers and Upper Lake Docks," to modify baseline coal consumption figures developed by the Bureau of Mines, U.S. Department of the Interior.

For 1980, the quarterly coal consumption figures in the *residential and commercial* sector are converted to monthly coal consumption figures using the ratios of monthly to quarterly coal deliveries to this sector in 1979 as reported on Form EIA-2. These 1979 ratios by month (January-December) are 0.4002, 0.3502, 0.2496; 0.4805, 0.2901, 0.2294; 0.3126, 0.2952, 0.3922; and 0.2931, 0.3101, 0.3968. The 1981 and 1982 monthly coal consumption figures were derived using

the 1979 ratios but were also modified according to heating/cooling degree-days. For 1983 through 1987, coal consumption figures are converted to monthly coal consumption figures using only the ratios of monthly to quarterly coal deliveries to this sector in 1979.

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

7. Stocks

Quarterly Data

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

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

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 3.

Producer and Distributor. Stocks are reported on 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. Prior to 1980, coal stocks at coke plants were derived directly from Form EIA-5. For 1980 and subsequent years, the stock level 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.

Prior to 1978, coal stocks for the *other industrial plants* sector (i.e., industrial users minus coke plants) were derived by using monthly data reported on

Form EIA-3, to modify baseline coal stock figures from a one-time survey of coal consumers by the Bureau of Mines, U.S. Department of the Interior. For 1978 and subsequent years, the data source for stocks in the *other industrial plants* sector is Form EIA-3. Quarterly stock changes in the period 1978-1982 were judgmentally apportioned by month, based on seasonal influences on supply and demand for coal in steam-coal markets. For 1983 and subsequent years, quarterly stock changes reported on Form EIA-3 are apportioned by month in the same manner as described for coke plants in the preceding paragraph.

8. 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, 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 most recent Quarterly Freight Commodity Statistics filed by Class I Railroads with the Interstate Commerce Commission (ICC) and from data made available by individual railroads. The average number of tons per carload is then multiplied by the number of cars loaded to obtain an estimate of weekly production shipped by AAR railroads.

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

rail tonnage to total production may also be adjusted to take additional, more current information into consideration, such as rail or coal strikes.

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

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.

The quarterly production data, although published throughout the year, are considered preliminary until EIA annual production data are finalized in September 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 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 are reflected in the fourth quarter QCR.

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

9. Methods of Transportation

Rail: Shipments of coal moved to consumers by rail, either private or public/commercial. Included is coal hauled to or away from a railroad siding by truck.

Water Transportation: Shipments of coal moved by one of the three methods--river, great lakes, or tidewater piers and coastal ports. Included in these shipments is coal hauled to or from water loading facilities by other means of transportation.

River: Shipments of coal moved to consumers via river by barge, except shipments to Great Lakes coal loading docks or tidewater piers or coastal ports.

Great Lakes: Shipments of coal moved to consumers via the Great Lakes. These shipments are moved via the Great Lakes coal loading docks, which are identified by name and locations as follows: Superior Midwest Energy Terminal, Superior, Wisconsin; Bessemer & Lake Erie Coal Storage & Transfer Facility, Conneaut, Ohio; B&O Railroad Coal Loading Dock, Lorain, Ohio; C&O Railroad Presque Isle Docks, Toledo, Ohio; Lakefront Dock & Railroad Terminal Company Coal Loading Dock, Toledo, Ohio; N&W Sandusky Coal Pier No. 3, Sandusky, Ohio; ConRail Coal Transfer Facilities, Ashtabula, Ohio; Rail to Water Transfer Corporation Dock, Chicago, Illinois.

Tidewater Piers and Coastal Ports: Shipments of coal moved to tidewater piers and coastal ports for further shipments to consumers via coastal water or ocean. The tidewater piers are identified by name and location as follows: B&O Curtis Bay Coal Piers, Baltimore, Maryland; C&O Coal Piers Nos. 14 & 15, Newport News, Virginia; N&W Lamberts Point Coal Piers Nos. 5 & 6, Norfolk, Virginia; Alabama State Docks Bulk Handling Plant, Mobile, Alabama; Alabama State Docks/McDuffie Terminals, Mobile, Alabama; Canton Coal Piers, Baltimore Harbor on the Chesapeake Bay; Greenwich Coal Pier, Greenwich Point, Philadelphia, Pennsylvania, on Delaware River; Port Richmond Pier, Pier 18 Port Richmond, Philadelphia, Pennsylvania, on the Delaware River; Galveston Regional Coal Distribution Center, Pelican Island, Galveston, Texas; International Marine Terminals/Plaquemines Parish Terminal, Mile 57 AHP-Mississippi River, approximately 30 miles south of New Orleans; Energy Terminals of Houston, Inc., a Subsidiary of Soros Associates, Houston, Texas. Coastal Ports are those located at Charleston, South Carolina; New York, New York; San Diego, California; Los Angeles, California; and Seattle, Washington.

Truck: Shipments of coal moved to consumers by truck.

Tramway, Conveyor, or Slurry Pipeline: Shipments of coal moved to consumers by tramway, conveyor, or slurry pipeline.

10. Census Export and Import Data

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

Each coal shipment is reported in short tons with corresponding total dollar values. EIA converts all value data obtained from the Census Bureau to average price data by dividing the dollar value by the quantity.

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

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

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

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

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

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

For reporting purposes, the month of exportation reflects the month in which the shipment leaves the

United States. The month of importation generally is based on the month in which the U.S. Customs Service releases the merchandise to the importer. For both sets of data, however, there can exist a small carry-over from the actual month of exportation or importation to a subsequent month, usually the succeeding month. A number of factors in processing account for this, e.g., late receipt of a document for an end-of-month shipment, or rejection of a shipment by the computer due to failure to meet established edit criteria. These limitations should be considered when making comparisons.

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

11. 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, 45, 52, 14/15, 16, 17, 18, 19, 20, 21, 24, and 25, and are presented, respectively, in Tables B1 through B12.

12. 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.

13. Price Data and Taxes

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

14. Approximate Heat Content of Coal

Table C2 presents the approximate heat content of coal by rank and disposition for 1981 through 1994.

Table C1. Accuracy of Preliminary Quarterly Values Compared with Final Quarterly Values at the U.S. Level, 1993 and 1994

Item	Mean Absolute Value of Change	
	1993	1994
Production (Thousand Short Tons)	667	852
Distribution (Thousand Short Tons)		
Electric Generation	787	428
Other Industrial	241	79
Coke Plants	745	78
Residential/Commercial	150	56
Receipts (Thousand Short Tons)		
Electric Utilities	45	48
Other Industrial	390	314
Coke Plants	0	155
Residential/Commercial	139	56
Average Price of Coal Receipts (Dollars Per Short Ton)		
Electric Utilities	\$21	\$31
Other Industrial	2.69	3.64
Coke Plants	.00	24.22
Consumption (Thousand Short Tons)		
Electric Utilities	128	31
Other Industrial	413	54
Coke Plants	0	170
Residential/Commercial	139	56
Stocks¹ (Thousand Short Tons)		
Electric Utilities	91	130
Other Industrial	28	38
Coke Plants	0	65
Producer/Distributor	34	26

¹ Stocks are end of quarter values.

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

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

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

Coal Rank Sector	1981	1982	1983	1984	1985	1986	1987
Anthracite							
Production	23.291	23.289	22.734	23.107	22.428	23.084	23.108
Consumption	22.080	22.518	21.583	22.322	20.817	21.512	22.435
Non-electric utility users	23.749	24.578	24.536	25.128	23.031	24.399	26.293
Electric utilities	18.168	18.160	16.516	17.018	16.784	15.578	15.962
Imports and exports	25.400	25.400	25.400	25.400	25.400	25.400	25.400
Bituminous Coal and Lignite							
Production	22.301	22.233	22.048	22.005	21.867	21.908	21.918
Consumption	21.710	21.670	21.576	21.570	21.368	21.462	21.514
Residential and commercial	22.010	22.226	22.438	22.406	22.568	22.669	22.800
Coke plants	26.800	26.800	26.800	26.800	26.800	26.800	26.800
Other industrial and transportation	22.572	22.695	22.680	22.525	22.013	22.185	22.360
Electric utilities	21.091	21.200	21.141	21.108	20.965	21.091	21.143
Imports	25.000	25.000	25.000	25.000	25.000	25.000	25.000
Exports	26.176	26.231	26.300	26.410	26.320	26.308	26.304
Coal Coke	24.800	24.800	24.800	24.800	24.800	24.800	24.800
	1988	1989	1990	1991	1992	1993	1994
Anthracite							
Production	23.266	23.385	22.574	22.573	22.572	22.573	22.574
Consumption	22.423	22.623	21.668	21.410	21.423	21.262	21.711
Non-electric utility users	26.021	27.196	25.199	25.268	24.617	24.096	26.280
Electric utilities	17.312	16.310	16.140	15.858	16.944	16.534	14.878
Imports and exports	25.400	25.400	25.400	25.400	25.400	25.400	25.400
Bituminous Coal and Lignite							
Production	21.817	21.759	21.819	21.678	21.643	21.383	21.348
Consumption	21.324	21.268	21.330	21.146	21.142	20.983	21.012
Residential and commercial	23.135	22.917	22.678	22.635	22.768	22.749	23.004
Coke plants	26.800	26.800	26.800	26.800	26.800	26.800	26.800
Other industrial and transportation	22.341	22.324	22.444	22.448	22.242	22.111	22.036
Electric utilities	20.905	20.854	20.935	20.761	20.792	20.644	20.699
Imports	25.000	25.000	25.000	25.000	25.000	25.000	25.000
Exports	26.308	26.166	26.207	26.192	26.165	26.341	26.335
Coal Coke	24.800	24.800	24.800	24.800	24.800	24.800	24.800

Note: All values shown for 1993 and previous years are final. Values for 1994 are preliminary.

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

Glossary

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

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

GE = Greater than or equal to

LT = Less than

GT = Greater than

LE = Less than or equal to

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

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

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

LV = Low-volatile bituminous coal

MV = Medium-volatile bituminous coal

HVA = High-volatile A bituminous coal

HVB = High-volatile B bituminous coal

HVC = High-volatile C bituminous coal

GE = Greater than or equal to

LT = Less than

GT = Greater than

LE = Less than or equal to

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

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

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

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

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

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

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

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

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

Mineral, Monongalia, Ohio, Pleasants, Preston, Randolph, Ritchie, Roane, Taylor, Tucker, Upshur, Webster, Wetzel, Wirt, and Wood.

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

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).

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U.S. Department of Energy
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Washington, DC 20585

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