

Quarterly Coal Report October-December 1996

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Preface

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

This report presents detailed quarterly data for October through December 1996 and aggregated quarterly historical data for 1990 through the third quarter of 1996. Appendix A displays, from 1988 on, detailed quarterly historical coal imports data, as specified in Section 202 of the Energy Policy and Conservation Amendments Act of 1985 (Public Law 99-58). Appendix B gives selected quarterly tables converted to metric tons.

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

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

The historical data in this report are collected by the EIA in three quarterly coal surveys (coal consumption at manufacturing plants, coal production, and coal consumption at coke plants), one annual coal production survey, and two monthly surveys of electric utilities. The coal surveys originated in the 1920's, at the Bureau of Mines, U.S. Department of the Interior. In 1977, the responsibility for these surveys was transferred to the EIA under the Department of Energy Organization Act (Public Law 95-91). The two electric utility surveys originated at the Federal Power Commission (FPC)--one in 1936 under the Federal Power Act and one in 1972 under FPC Order Number 453. The EIA continued these surveys, reducing the

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

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

All data shown for 1996 and previous years are final, with the exception of coal production and electric utility consumption and stocks. U.S. coal production data for 1995 and previous years are based on the annual survey Form EIA-7A, "Coal Production Report." Coal production data for 1996 are preliminary and are based on the quarterly survey, Form EIA-6 Schedule Q, "Quarterly Coal Report." Coke production for the third quarter of 1996 has been revised.

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

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

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

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Summary

U.S. coal production in the fourth quarter of 1996 was 267 million short tons, bringing the total for 1996 to a record level of 1,057 million short tons (Table 1). This was 24 million short tons higher than in 1995 and the third consecutive year that production exceeded 1 billion short tons. The increase in coal output was primarily due to the higher demand for coal by electric utilities.

Eight of the top ten coal producing States surpassed their 1995 production levels. Of the top four coal producing States--Wyoming, West Virginia, Kentucky, and Pennsylvania--only Kentucky reported a drop, 2.4 percent, in the amount of coal produced in 1996 versus 1995 (Table 4). Regionally, coal output reflected nationwide growth increasing 2.3 percent in Appalachia, 2.2 percent in the Interior, and 2.3 percent in the West. Wyoming and Pennsylvania accounted for most of the 24 million-short-ton gain, with coal output up 14 million short tons and 7 million short tons, respectively.

U.S. coal consumption in the fourth quarter of 1996 was 251 million short tons, bringing total coal consumption for the year to 983 million short tons, a record level and 42 million short tons higher than consumption in 1995 (Table 37). Electric utilities in 1996 consumed 875 million short tons, 46 million short tons more than in 1995. This increase was partially offset by a 2-million-short-ton decline in coal consumption at both coke plants and other industrial plants (Tables 40, 41).

U.S. coal exports in the fourth quarter of 1996 were 23 million short tons, about the same as in the fourth quarter of 1995 (Table 8). This brought the total for 1996 to 90 million short tons, slightly higher than the 89 million short tons exported a year earlier. Metallurgical coal exports totaled 53 million short tons, 2 percent higher than in 1995 (Table 12). Greater demand from overseas metallurgical coal markets particularly in Canada, Italy, and the Republic of South Africa, were partially offset by lower demand from Japan. Steam coal exports totaled 38 million short tons, 3 percent more than in 1995 (Table 10). Higher demand for U.S. steam coal in Canada, Mexico, and Japan, accounted for most of the increase in U.S. coal exports, which was partially offset by less demand

from European markets. Coal exports averaged \$40.76 per short ton in 1996 and were valued at \$3.7 billion (Table 9).

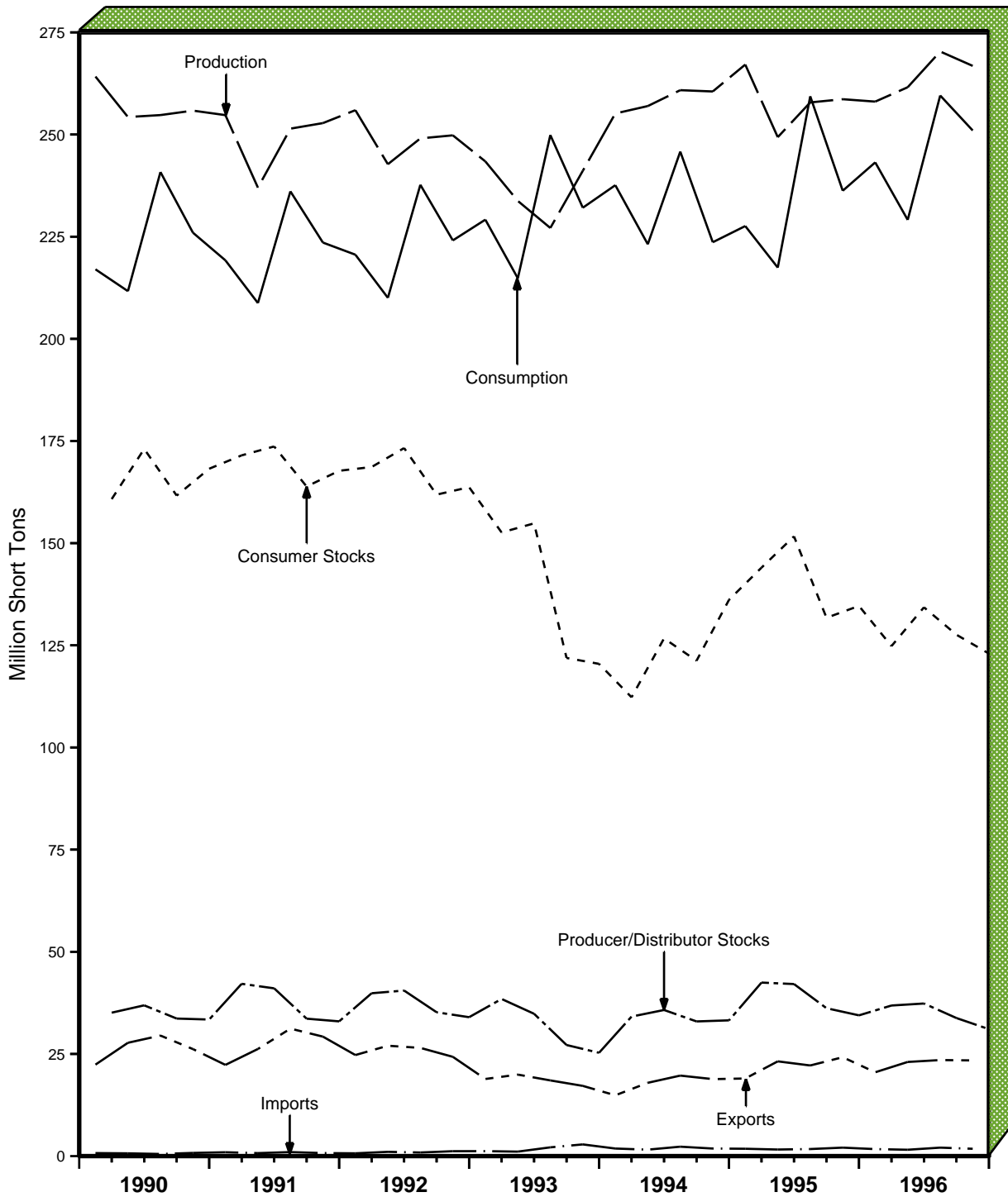
U.S. coal imports in the fourth quarter of 1996 were 1.8 million short tons, 14 percent lower than in the fourth quarter of 1995. This brought total coal imports for 1996 to 7.1 million short tons compared with 7.2 million short tons imported in 1995 (Table 16). Lower shipments from Venezuela and Colombia (down 21 and 8 percent, respectively) offset higher shipments from Indonesia and Canada (up 51 and 8 percent, respectively). U.S. coal imports in 1996 were valued at \$238 million, based on an average price of \$33.45 (Table 17).

U.S. coal receipts in the fourth quarter of 1996 totaled 248 million short tons, bringing total receipts for 1996 to 970 million short tons, the highest recorded level. (Table 20). The most significant contributing factor to record receipts was the amount of coal delivered to the electric utility sector. In 1996, utility plants received a record 862 million short tons of coal, 4 percent above the 827 million short tons received a year ago. The average annual price of coal delivered to electric utilities reached a record low of \$26.45 per short ton. The average annual price of other industrial coal receipts was \$32.28 per short ton, the lowest annual average price since 1993 (Table 21).

U.S. coal stocks at the end of December 1996 were 154 million short tons compared with 161 million short tons held at the end of September 1996. U.S. consumer stocks totaled 123 million short tons at the end of December 1996 compared with the 128 million short tons held at the end of the previous quarter (Table 45). Coal stocks at electric utility plants fell to their lowest quarterly level in two years at 115 million short tons (Table 46). Stock levels at coke plants declined slightly to 2.7 million short tons (Table 47). While other industrial coal stock levels increased slightly to 5.7 million short tons (Table 47,48).

Source: *Electric Power Monthly*, March 1997, DOE/EIA-0226(97/03); *Monthly Energy Review*, DOE/EIA-0036(97/03).

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



Note: Each increment represents end-of-quarter data.

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

Table 1. U.S. Coal Production, Imports, Consumption, Exports, and Stocks, 1990-1996
(Thousand Short Tons)

Year and Quarter	Production	Imports	Producer and Distributor Stocks ¹	Consumption	Exports	Consumer Stocks ¹	Losses and Unaccounted For ²
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	173,061	1,479
July - September	254,760	514	33,659	240,821	29,497	161,639	-387
October - December.....	255,853	776	33,418	225,978	26,191	168,210	-1,870
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	267,121	1,795	42,460	227,604	18,988	144,004	5,219
April - June	249,352	1,609	42,104	217,439	23,184	151,657	3,041
July - September	257,857	1,725	36,193	259,353	22,175	131,739	3,885
October - December.....	258,644	2,071	34,444	236,243	24,201	134,639	-881
Total	1,032,974	7,201		940,638	88,547		11,265
1996 January - March	258,056	1,713	36,851	243,180	20,516	124,806	3,501
April - June	261,572	1,552	37,344	229,113	23,039	134,302	982
July - September	270,314	2,071	33,780	259,551	23,504	127,588	-391
October - December.....	266,798	1,790	31,065	250,995	23,414	122,979	1,502
Total	1,056,739	7,126		982,838	90,473		5,593

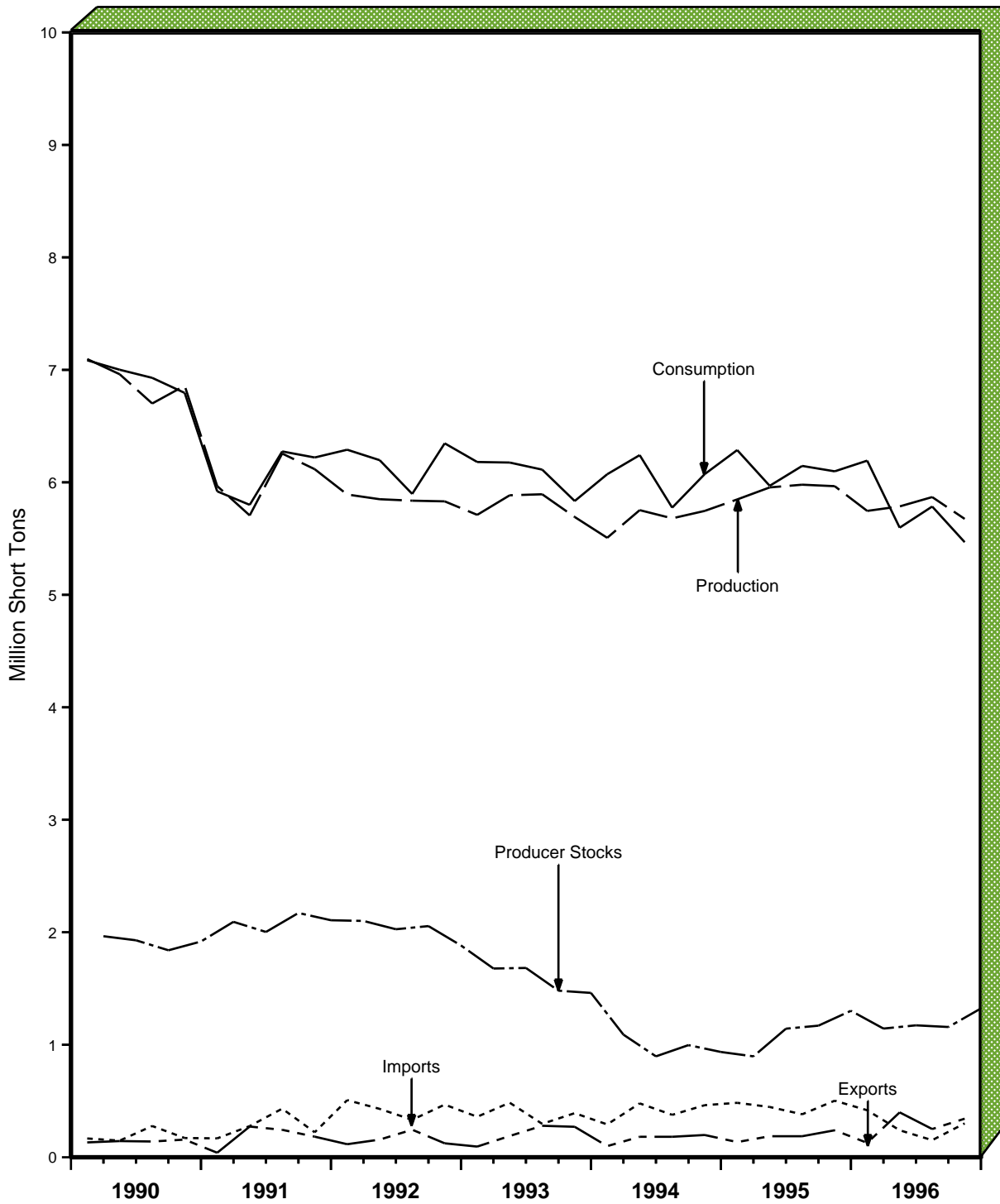
¹ Reported as of the last day of the quarter.

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 1990 through 1996 exclude coal consumed by independent power producers to generate electricity and cogeneration plants not included in the other industrial, coke, and commercial sectors. For 1990 through 1996, these excluded EIA quarterly estimated consumption data are: 400, 1500, 2500, 3086, 3785, 5200, and 6000 thousand short tons, respectively. Total may not equal sum of components because of independent rounding.

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

Figure 2. U.S. Coke Production, Imports, Consumption, Exports, and Stocks, 1990-1996



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

Table 2. U.S. Coke Production, Imports, Consumption, Exports, and Stocks, 1990-1996
(Thousand Short Tons)

Year and Quarter	Production	Imports	Producer and Distributor Stocks ¹	Consumption ²	Exports
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	5,848	484	897	6,287	135
April - June	5,955	447	1,143	5,969	187
July - September	5,979	382	1,170	6,146	187
October - December.....	5,966	503	1,302	6,098	240
Total	23,749	1,816		24,500	750
1996 January - March	5,746	418	1,144	6,193	128
April - June	5,786	240	1,173	5,597	399
July - September	5,869	152	1,158	5,785	251
October - December.....	5,675	301	1,323	5,468	343
Total	23,075	1,111		23,043	1,121

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

Browner Defends Proposed Air Standards. Environmental Protection Agency (EPA) Administrator Carol M. Browner, defended the Agency's proposed new clean air standards in a February 12, 1997 hearing held by the Senate Environment and Public Works Committee. She said that scientists already know more about the ill effects of particulates than they knew about the dangers of lead when leaded gasoline was banned decades ago. The hearing was Browner's first formal appearance before lawmakers to defend her plan to tighten limits on ozone and fine particulates. Both come from automobile exhaust and factory smokestacks, among among other sources, and both have been shown to aggravate asthma and other lung diseases. New research shows that very fine particles contribute to thousands of premature deaths each year—even at levels the EPA currently deems acceptable. Browner said a decision to toughen the standards has run into opposition from industries as well as some of the hundreds of cities and towns that would find themselves out of compliance. Browner defended the science behind the standards with a bibliography that summed up 271 studies that EPA's independent science advisors reviewed before voting to endorse the EPA decision to toughen standards for smog and soot. Many of the senators questioned the sense of backing up the new ozone standard when scores of cities were finding it impossible to meet the current restrictions.¹

Coast-to-Coast Railroad May Become Reality. Robert D. Krebs—chairman of Burlington Northern, the largest railroad in the country—told his Fort Worth headquarters last November that he would oppose a merger of Conrail and the CSX Corporation that left a single railroad in supreme control of the Eastern rail market. In 1995, he put together the Burlington Northern and the Atchison, Topeka & Santa Fe railroads, whose 31,000 miles of track stretch from the West Coast as far east as St. Louis and Chicago. These two lines formed what is known as a transcontinental railroad. With Conrail, CSX and the rival Norfolk Southern Corporation now negotiating a more or less equitable division of Conrail in the East, many rail experts see the creation of transcontinental railroads as the next step in the merger process that has swept the rail industry since deregulation in 1980. Mr. Krebs and others were concerned that if one big carrier emerged from the Conrail merger the deal would not pass muster with regulators who opposed a competitive imbalance. If all goes as planned, there will soon be two major railroads in the West, Burlington Northern and Union Pacific, and two in the East, CSX and

Norfolk Southern. The next step would be for the two Western railroads to move toward combinations with their Eastern counterparts to form two major networks that bridge the nation, said John Spsychalski, chairman of the department of business logistics at Pennsylvania State University and a rail expert. He also stated that railroad companies still have to find ways to provide service of such quality and price that it is competitive in relation to other forms of transportation.

In New York, port officials are hoping that the proposed division of Conrail between CSX and Norfolk Southern will result in competitive rail service that will enable New York to retain its status as the hub port on the East Coast. The Port Authority of New York and New Jersey opposed any Conrail merger that would have left one railroad in control of the New York market, that would result in higher shipping rates than in a competitive environment. The new plan for the the division of Conrail offers true rail freight competition in the port district. This would stimulate New York's growth and its long-term future as a hub port.

Under a recent Norfolk Southern proposal, both CSX and Norfolk Southern would have joint access to the port of New York. CSX would gain a route north to Albany, east to Boston and west to Buffalo and the Midwest. Norfolk Southern would get much of the old Pennsylvania Railroad, running through New Jersey and Pennsylvania to Cleveland, Detroit and Chicago, as well as a hilly, winding track through upstate New York. Both companies would cross paths with the Burlington Northern and the Union Pacific at the Mississippi River. New York is critical, because it is the largest market in the country and a key entry point for overseas goods on their way to the Midwest.²

Mine Office Rule Controversy Over Rights. The Office of Surface Mining (OSM) published a proposed rule telling mineral rights owners what they must do before they are allowed to extract coal from federally protected lands, such as mining coal in national forests and under the ground near homes, public buildings and cemeteries. The OSM rule has revived the long controversy of mining coal in these places. OSM's proposal recommends that the new policy allow strip mining only by coal rights owners who either obtained or made a good-faith effort to get all necessary mining permits before the 1977 law took effect. The law requires mining companies to take

¹ *Washington Post*, (February 13, 1997), p. A-3.

² *The New York Times* (March 5, 1997), pp B-1 and B-5.

steps to minimize above ground damage and requires compensation for damage. The proposed regulations affect every coal State to some degree. OSM estimated that the proposal would open up 1,000 acres of national forests and 990 acres of State Park land for valid existing rights determinations over the next 30 years. The underground regulations could affect 3,500 acres of now-protected land and an estimated 29,600 homes, the agency said.

States process about 95 valid existing rights requests per year. The federal government handles fewer, with three such mining rights requests now in the pipeline: 25 acres of the Wayne National Forest in Ohio, 1,224 acres of the Monongahela National Forest in West Virginia and 40 acres in the Bankhead National Forest in Alabama.

Congress banned strip mining in 1977 in the National Park System, the National Wild and Scenic Rivers System and other protected lands, including land near homes, churches and cemeteries. The Surface Mining Control and Reclamation Act allowed an exception for those who held valid existing rights to mine coal but didn't clearly explain what that meant. That led to years of unsuccessful attempts, indecision and litigation, some of which resulted in unofficial policies being applied variously in different states.³

Administration May Scale Down Proposal on Toxic Chemicals. The administration, under fire from Congress, industry and some of its own agencies, is considering softening a key environmental initiative that would force thousands of businesses to report releases of toxic chemicals in their communities. Because of concerns about the economic impact on small businesses, small-business advocates want to exclude thousands of smaller companies from an estimated \$7,000 a year paperwork cost. The dispute over who should be included has delayed the start of the program for more than a month. Officials of the Environmental Protection Agency (EPA) have opposed any weakening of the proposed rule. The EPA announced in June that it was expanding its community right-to-know program by nearly 30 percent, adding seven new categories of industries to a group of 23,000 companies that must report toxic releases to the government. The new industries include metal mines, coal processors, oil and coal-fired power plants, hazardous waste treatment facilities, solvent recyclers, chemical wholesalers and petroleum bulk storage sites. In all about 6,400 additional companies would be required to submit annual reports on the amount of hazardous chemicals they release. Each year this list, known as the toxic release inventory, is published by the EPA on the Internet. The data helps inform citizens about potential sources of pollution in their communities, and in some cases has led to companies voluntarily reducing their use of toxic materials to improve their standing on the EPA's list.⁴

Opponents of Railroad File Appeal The Billings-Based Northern Plains Resource Council (NPRC) has filed an appeal to a September 24 decision of the Surface Transportation Board (STB). The STB approved construction of a 41-mile portion of the Tongue River Railroad from Ashland to Decker Coal, east of Sheridan, Montana. The NPRC filed a petition for review in the 9th Circuit Court of Appeals on behalf of the Derail the Tongue River Railroad Coalition, which is comprised of ranches along the Tongue River, Native Action, four railroad unions, two coal mine unions and local businesses in Forsyth and Sheridan Montana. The coalition says the Environmental Impact Statement is flawed because it fails to examine the job loss that will be created in Montana's coal industry, the effects on the ranches along the Tongue, the impact on the Northern Cheyenne tribe. They believe the extension will facilitate access to coal mines in Wyoming at the expense of Montana's mines, causing job losses in eastern Montana. Proponents say it will stimulate coal development along the route. The Tongue River Railroad project is moving into its final design phase and work has started on right-of-way purchases. A progress report is required by the STB every four months on the railroads development, with the first report period in early March 1997.⁵

Big Sky Contract Extended to 1999 Montana's Big Sky Coal Co. has extended its contract with Minnesota Power through December 1999, with an option through May 2001. Big Sky's existing contract for Minnesota Power's Clay Boswell generating station in Cohasset expires in May 1997. The contract extension marks a 30-year partnership with Minnesota Power.

Big Sky Coal Co. is a subsidiary of Peabody Coal Sales Co., of St. Louis, Missouri, which is the largest private-sector producer of coal in the world. Big Sky employs approximately 125 workers and produces 5 million tons of coal per year, which is shipped to Minnesota Power, Northern States Power, and Wisconsin Power & Light. The low-sodium coal is valued because of its chemical make-up and its boiler characteristics, which allows it to burn more efficiently than coal from other States.⁶

Kennecott Plans to Buy Wyoming Mines. Kennecott Energy has made plans to purchase two coal mines in the Powder River Basin, the Caballo Rojo and Fort Union, located near Gillette, Wyoming. Caballo Rojo, the sixth largest coal mine in the United States, produced 15 million short tons in 1996 and is adjacent to Kennecott's Cordero mine. The Fort Union mine produced 1 million short tons in 1996. Kennecott's production was 63 million short tons in 1996. The purchase must be approved by government agencies

³ *Washington Post* (February 14, 1997), p. A-13.

⁴ *The Washington Post* (March 21, 1997), p. 1

⁵ *Montana Coal Council*, (February, 1997).

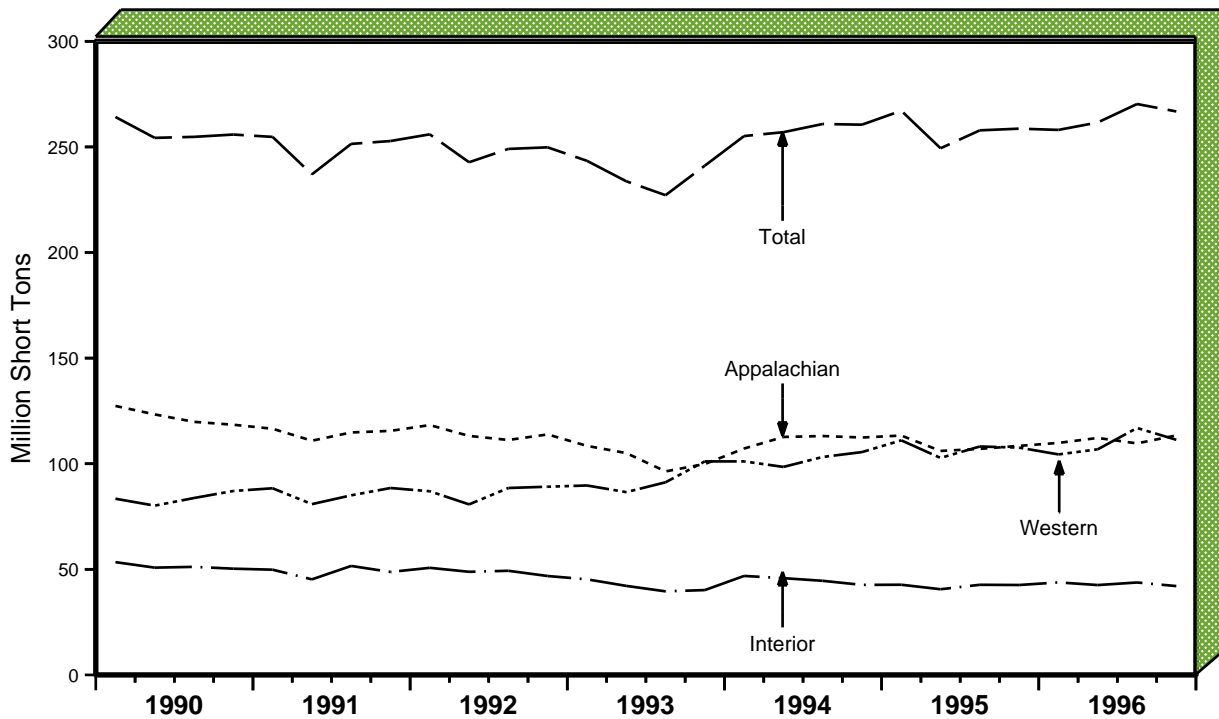
⁶ *Montana Coal Council*, (February 1997).

and the decision is expected to be made in the next few months.⁷

⁷ *Montana Coal Council*. (February, 1997).

Production

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



Note: Each increment represents end-of-quarter data.

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

Table 3. U.S. Coal Production, 1990-1996
(Thousand Short Tons)

Year	January - March	April - June	July - September	October - December	Year to Date
1990.....	264,184	254,279	254,760	255,853	1,029,076
1991.....	254,746	237,006	251,438	252,794	995,984
1992.....	255,956	242,735	249,055	249,799	997,545
1993.....	243,417	233,750	227,131	241,127	945,424
1994.....	255,153	256,964	260,853	260,535	1,033,504
1995.....	267,121	249,352	257,857	258,644	1,032,974
1996.....	258,056	261,572	270,314	266,798	1,056,739

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

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

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

Coal-Producing Region and State	October - December 1996	July - September 1996	October - December 1995	Year to Date		
				1996	1995	Percent Change
Alabama.....	5,915	6,052	6,171	24,345	24,640	-1.2
Alaska.....	464	240	530	1,466	1,698	-13.7
Arizona.....	2,755	2,814	2,791	10,659	11,947	-10.8
Arkansas.....	5	5	6	21	29	-28.0
Colorado.....	6,297	7,397	6,729	24,173	25,710	-6.0
Illinois.....	10,486	10,680	11,530	46,019	48,180	-4.5
Indiana.....	8,562	7,994	6,195	29,817	26,007	14.6
Kansas.....	54	56	60	232	285	-18.4
Kentucky Total.....	37,045	38,048	38,610	150,063	153,739	-2.4
Eastern.....	28,815	28,711	29,889	114,908	118,541	-3.1
Western.....	8,230	9,337	8,721	35,155	35,198	-1
Louisiana.....	752	911	869	3,248	3,719	-12.7
Maryland.....	879	1,040	925	3,941	3,667	7.5
Missouri.....	188	198	109	699	548	27.7
Montana.....	10,620	9,808	10,496	37,925	39,451	-3.9
New Mexico.....	6,089	6,978	6,258	24,866	26,813	-7.3
North Dakota.....	7,970	7,542	7,500	30,170	30,112	.2
Ohio.....	7,555	6,684	7,278	28,524	26,118	9.2
Oklahoma.....	372	431	510	1,704	1,876	-9.2
Pennsylvania Total.....	17,812	16,317	15,373	68,341	61,576	11.0
Anthracite.....	1,440	1,126	1,180	4,573	4,682	-2.3
Bituminous.....	16,372	15,190	14,194	63,769	56,893	12.1
Tennessee.....	922	875	797	3,580	3,221	11.1
Texas.....	13,423	14,152	14,572	55,296	52,684	5.0
Utah.....	6,949	6,642	6,444	27,853	25,167	10.7
Virginia.....	9,170	8,546	8,283	35,718	34,099	4.7
Washington.....	1,089	1,310	1,320	4,570	4,868	-6.1
West Virginia Total.....	42,325	41,401	39,732	165,717	162,997	1.7
Northern.....	11,841	10,895	11,295	44,909	46,114	-2.6
Southern.....	30,484	30,506	28,437	120,808	116,883	3.4
Wyoming.....	69,098	74,193	65,554	277,791	263,822	5.3
Appalachian Total.....	113,395	109,626	108,448	445,074	434,861	2.3
Interior Total.....	42,073	43,764	42,573	172,192	168,526	2.2
Western Total.....	111,330	116,924	107,623	439,473	429,587	2.3
East of the Miss. River.....	140,672	137,637	134,895	556,066	544,246	2.2
West of the Miss. River.....	126,125	132,676	123,749	500,673	488,728	2.4
U.S. Total.....	266,798	270,314	258,644	1,056,739	1,032,974	2.3

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

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

Table 5. Coke and Breeze Production at Coke Plants

(Thousand Short Tons)

	October - December 1996	July - September 1996	October - December 1995	Year to Date		
				1996	1995	Percent Change
Coke Total	5,675	5,869	5,966	23,075	23,749	-2.8
By State						
Alabama	605	617	611	2,445	2,465	-.8
Illinois	w	w	w	w	w	w
Indiana	1,119	1,108	1,117	4,493	4,492	*
Kentucky	w	w	w	w	w	w
Michigan	w	w	w	w	w	w
New York	w	w	w	w	w	w
Ohio	345	343	450	1,370	1,998	-31.4
Pennsylvania	1,959	1,962	1,940	7,729	7,751	-.3
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	779	776	815	3,105	3,239	-4.2
Furnace Coke Plants	4,896	5,093	5,152	19,971	20,509	-2.6
Breeze Total	327	342	367	1,402	1,463	-4.1

* Rounded to zero.

w Withheld to avoid disclosure of individual company data.

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

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

Exports and Imports

Table 6. U.S. Coal Exports and Imports, 1990-1996
(Thousand Short Tons)

Year	January - March		April - June		July - September		October - December		Year to Date	
	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports
1990.....	22,383	735	27,733	674	29,497	514	26,191	776	105,804	2,699
1991.....	22,318	938	26,214	730	31,197	984	29,239	738	108,969	3,390
1992.....	24,731	679	27,010	1,043	26,481	882	24,294	1,199	102,516	3,803
1993.....	18,870	1,213	19,946	1,093	18,522	2,142	17,181	2,861	74,519	7,309
1994.....	14,877	1,850	17,940	1,577	19,704	2,304	18,838	1,853	71,359	7,584
1995.....	18,988	1,795	23,184	1,609	22,175	1,725	24,201	2,071	88,547	7,201
1996.....	20,516	1,713	23,039	1,552	23,504	2,071	23,414	1,790	90,473	7,126

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

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

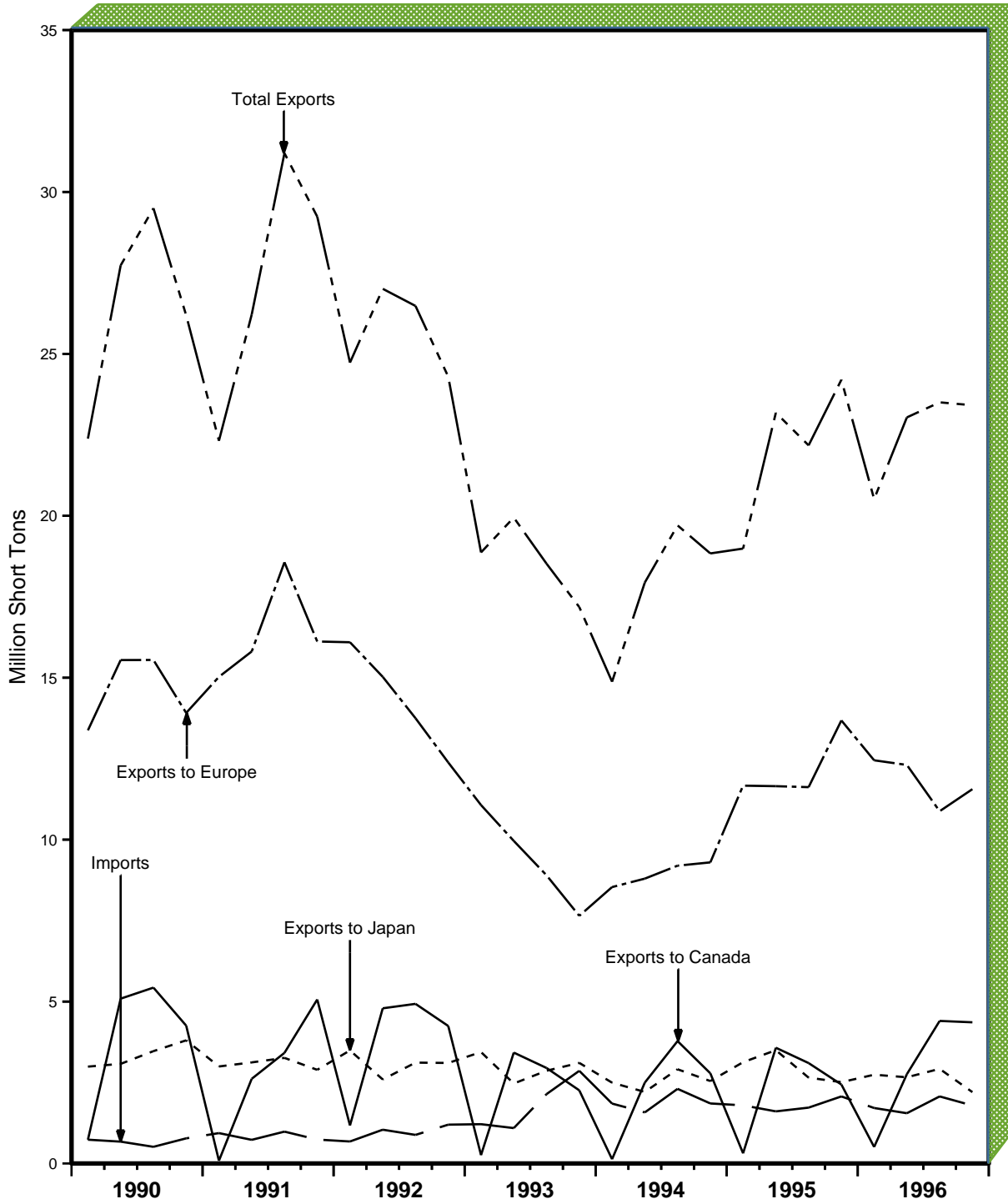
Table 7. Average Price of U.S. Coal Exports and Imports, 1990-1996
(Dollars per Short Ton)

Year	January - March		April - June		July - September		October - December		Total	
	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports
1990.....	\$43.23	\$35.07	\$42.51	\$33.67	\$42.22	\$32.05	\$42.68	\$36.14	\$42.63	\$34.45
1991.....	44.58	33.71	42.97	34.60	41.51	31.45	41.15	33.16	42.39	33.12
1992.....	42.28	33.63	41.34	32.96	40.70	34.43	41.07	33.08	41.34	33.46
1993.....	42.46	30.70	41.42	32.26	40.72	29.52	41.00	28.91	41.41	29.89
1994.....	41.89	28.86	40.01	28.73	38.86	30.92	39.43	31.93	39.93	30.21
1995.....	39.90	32.33	39.59	36.16	40.99	33.61	40.55	34.54	40.27	34.13
1996.....	41.77	33.52	40.78	32.46	40.53	33.19	40.08	34.55	40.76	33.45

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

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

Figure 4. Quarterly U.S. Coal Exports and Imports, 1990-1996



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

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

Continent and Country of Destination	October - December 1996	July - September 1996	October - December 1995	Year to date		
				1996	1995	Percent Change
North America Total	4,994,143	4,934,819	2,975,641	13,609,464	10,410,676	30.7
Canada ¹	4,358,965	4,401,613	2,437,786	12,028,569	9,427,378	27.6
Jamaica.....	8,214	5,965	36	23,897	82,757	-71.1
Mexico.....	601,406	525,035	534,795	1,508,512	870,713	73.3
Other ²	25,558	2,206	3,024	48,486	29,828	62.6
South America Total	2,028,955	1,866,610	1,952,834	7,504,690	6,968,251	7.7
Argentina.....	48,642	74,980	138,178	303,876	341,927	-11.1
Brazil.....	1,766,824	1,667,848	1,652,938	6,540,072	6,350,623	3.0
Chile.....	165,279	98,277	151,067	573,790	226,914	152.9
Other ²	48,210	25,505	10,651	86,952	48,787	78.2
Europe Total	11,559,073	10,876,571	13,680,815	47,192,789	48,620,180	-2.9
Belgium & Luxembourg.....	982,647	954,285	1,417,595	4,569,281	4,501,323	1.5
Bulgaria.....	336,951	279,605	439,025	1,386,863	1,338,681	3.6
Denmark.....	254,015	328,733	220,127	1,316,482	2,100,286	-37.3
Finland.....	64,483	325,345	692,259	703,569	1,308,459	-46.2
France.....	1,189,507	685,029	1,261,658	3,852,461	3,658,866	5.3
Germany, FR.....	257,911	129,403	836,747	1,054,932	1,952,777	-46.0
Ireland.....	253,354	265,028	374,717	765,038	914,344	-16.3
Italy.....	2,096,012	1,692,061	2,108,945	9,204,240	9,062,737	1.6
Netherlands.....	1,453,385	1,932,747	1,961,047	7,058,187	7,301,370	-3.3
Norway.....	28,583	23,937	40,745	84,991	119,986	-29.2
Portugal.....	713,563	574,012	512,126	1,802,558	1,752,454	2.9
Romania.....	389,859	435,664	366,535	1,512,031	1,983,657	-23.8
Spain.....	963,909	934,866	855,755	4,092,517	4,652,974	-12.0
Sweden.....	376,979	324,701	379,379	1,069,583	1,117,232	-4.3
Turkey.....	530,715	504,709	656,121	2,167,046	2,011,395	7.7
United Kingdom.....	1,554,596	1,470,332	1,471,021	6,195,559	4,726,196	31.1
Yugoslavia, FR.....	-	-	65,384	-	65,384	-
Other ²	112,604	16,114	21,629	357,451	52,059	(3)
Asia Total	4,198,062	4,679,607	4,396,256	17,980,343	19,094,957	-5.8
China (Taiwan).....	501,141	698,743	526,122	2,441,475	2,533,396	-3.6
Israel.....	382,541	316,449	248,086	1,201,771	760,376	58.0
Japan.....	2,203,491	2,921,701	2,510,699	10,528,604	11,786,868	-10.7
Korea, Republic of.....	1,109,803	738,229	1,110,997	3,772,680	4,012,008	-6.0
Other ²	1,086	4,485	352	35,813	2,309	(3)
Oceania & Australia Total	608	204	19	913	216	322.7
Africa Total	633,258	1,145,987	1,195,627	4,184,444	3,453,018	21.2
Algeria.....	61,640	-	54,968	176,549	220,065	-19.8
Egypt.....	245,167	248,321	425,124	1,037,537	1,234,888	-16.0
Morocco.....	142,805	312,228	457,607	1,650,452	1,211,910	36.2
South Africa, Rep of.....	183,646	585,438	257,928	1,319,906	786,155	67.9
Total	23,414,099	23,503,798	24,201,192	90,472,643	88,547,298	2.2

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 1995.

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

Continent and Country of Destination	October - December 1996	July - September 1996	October - December 1995	Year to date		
				1996	1995	Percent Change
North America Total	\$31.95	\$33.29	\$34.07	\$33.09	\$34.05	-2.8
Canada ¹	30.94	32.78	33.12	32.23	33.49	-3.8
Jamaica.....	37.20	30.50	-	34.78	32.67	6.5
Mexico.....	38.72	37.52	38.11	39.70	39.96	-6
Other ²	39.77	38.84	46.29	39.65	39.04	1.6
South America Total	43.59	44.28	43.64	43.81	43.46	.8
Argentina.....	48.36	39.14	42.31	46.36	43.40	6.8
Brazil.....	44.62	44.93	44.95	44.67	43.88	1.8
Chile.....	31.98	34.49	31.07	32.37	31.70	2.1
Other ²	40.30	39.97	35.79	39.19	43.42	-9.8
Europe Total	42.16	42.45	40.80	42.10	40.92	2.9
Belgium & Luxembourg.....	45.27	45.26	42.95	45.73	43.47	5.2
Bulgaria.....	45.75	43.96	44.59	44.26	44.04	.5
Denmark.....	29.09	28.08	29.13	29.30	29.37	-2
Finland.....	34.29	41.33	38.16	42.11	39.47	6.7
France.....	44.96	47.58	41.92	44.94	43.71	2.8
Germany, FR.....	51.38	45.29	34.32	41.08	34.99	17.4
Ireland.....	37.40	37.53	36.25	37.35	36.07	3.6
Italy.....	45.41	47.13	45.30	45.05	44.14	2.1
Netherlands.....	42.53	40.75	41.38	41.36	41.97	-1.4
Norway.....	51.90	58.75	56.90	-	-	1.1
Portugal.....	36.19	36.03	35.11	36.53	36.46	.2
Romania.....	43.38	51.96	40.81	46.95	42.43	10.7
Spain.....	40.23	36.78	37.06	37.56	34.75	8.1
Sweden.....	47.71	48.72	50.22	47.50	48.21	-1.5
Turkey.....	42.36	45.02	41.96	44.33	42.61	4.0
United Kingdom.....	36.98	39.37	38.57	38.90	40.92	-4.9
Yugoslavia, FR.....	-	-	38.06	-	38.06	-
Other ²	35.31	57.64	55.49	38.03	-	-32.0
Asia Total	39.17	39.68	39.91	39.57	39.10	1.2
China (Taiwan).....	37.12	37.24	38.16	36.86	36.95	-2
Israel.....	37.01	36.95	35.47	36.40	35.79	1.7
Japan.....	39.58	39.28	39.98	39.41	39.14	.7
Korea, Republic of.....	40.00	44.73	41.57	42.72	40.97	4.3
Other ²	38.70	40.80	34.42	48.89	30.41	60.8
Oceania & Australia Total	40.71	40.62	-	40.71	39.87	2.1
Africa Total	47.18	45.59	42.73	44.36	43.07	3.0
Algeria.....	51.24	-	49.70	-	47.80	5.1
Egypt.....	51.77	51.90	48.87	-	49.36	8.1
Morocco.....	35.52	32.39	32.58	33.93	33.00	2.8
South Africa, Rep of.....	48.76	49.95	49.15	49.55	47.38	4.6
Total³	39.76	40.30	40.17	40.53	40.03	1.2
U.S. Total⁴	40.08	40.53	40.55	40.76	40.27	1.2

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 1995.

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

⁴ U.S. Total is the average price of all coal exports.

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

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

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

Continent and Country of Destination	October - December 1996	July - September 1996	October - December 1995	Year to date		
				1996	1995	Percent Change
North America Total	3,119,185	2,257,213	1,581,542	7,109,819	5,634,532	26.2
Canada ¹	2,616,991	1,814,403	1,150,641	5,998,839	4,975,335	20.6
Jamaica.....	8,214	5,965	36	23,897	82,757	-71.1
Mexico.....	468,422	434,639	427,841	1,038,597	546,612	90.0
Other ²	25,558	2,206	3,024	48,486	29,828	62.6
South America Total	226,759	164,259	67,957	691,119	190,245	263.3
Argentina.....	10,695	2,156	1,778	13,277	6,202	114.1
Brazil.....	2,575	38,321	10,824	94,946	14,705	(³)
Chile.....	165,279	98,277	44,704	496,141	120,551	311.6
Other ²	48,210	25,505	10,651	86,755	48,787	77.8
Europe Total	4,478,370	4,375,827	6,751,849	18,939,855	21,338,104	-11.2
Belgium & Luxembourg.....	317,255	292,279	386,380	1,124,537	1,033,066	8.9
Bulgaria.....	54,633	-	-	173,148	-	-
Denmark.....	254,015	328,733	220,127	1,316,482	2,100,286	-37.3
Finland.....	64,483	99,542	452,969	164,025	584,313	-71.9
France.....	283,235	-	411,075	768,750	503,467	52.7
Germany, FR.....	-	38,540	720,349	517,022	1,722,054	-70.0
Ireland.....	253,354	265,028	374,717	765,038	914,344	-16.3
Italy.....	808,770	586,527	1,110,539	3,911,389	4,558,667	-14.2
Netherlands.....	361,480	1,017,131	1,038,519	2,916,642	3,323,191	-12.2
Norway.....	12,397	6,876	24,320	23,881	28,007	-14.7
Portugal.....	645,540	501,190	481,863	1,628,212	1,722,191	-5.5
Romania.....	-	-	-	-	299,059	-
Spain.....	365,772	527,710	392,316	1,989,832	2,474,840	-19.6
Sweden.....	5,512	9,588	-	82,676	8,613	(³)
Turkey.....	890	14,458	205,241	140,300	205,875	-31.9
United Kingdom.....	938,430	687,889	867,841	3,114,607	1,794,518	73.6
Yugoslavia, FR.....	-	-	65,384	-	65,384	-
Other ²	112,604	336	209	303,314	229	(³)
Asia Total	1,883,447	2,442,652	2,038,760	9,165,905	8,081,153	13.4
China (Taiwan).....	385,489	574,747	394,264	2,065,695	2,162,942	-4.5
Israel.....	247,829	185,698	248,086	936,308	619,847	51.1
Japan.....	844,238	1,519,808	903,516	4,976,402	3,857,570	29.0
Korea, Republic of.....	404,805	157,914	492,542	1,175,234	1,438,485	-18.3
Other ²	1,086	4,485	352	12,266	2,309	431.2
Oceania & Australia Total	608	204	19	913	216	322.7
Africa Total	142,805	275,649	457,909	1,614,783	1,213,809	33.0
Egypt.....	-	-	302	910	1,546	-41.1
Morocco.....	142,805	275,649	457,607	1,613,873	1,211,910	33.2
South Africa, Rep of.....	-	-	-	-	353	-
Total	9,851,174	9,515,804	10,898,036	37,522,394	36,458,059	2.9

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 1995.

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

Continent and Country of Destination	October - December 1996	July - September 1996	October - December 1995	Year to date		
				1996	1995	Percent Change
North America Total	\$29.02	\$29.66	\$31.59	\$29.41	\$31.06	-5.3
Canada ¹	27.54	28.08	29.97	28.06	30.46	-7.9
Jamaica.....	37.20	30.50	-	34.78	32.67	6.5
Mexico.....	36.14	35.69	35.37	36.21	35.60	1.7
Other ²	39.77	38.84	46.29	39.65	39.04	1.6
South America Total	33.97	37.15	33.81	34.94	35.66	-2.0
Argentina.....	40.81	39.14	40.23	40.53	36.09	12.3
Brazil.....	40.73	41.97	34.47	40.57	34.81	16.5
Chile.....	31.98	34.49	32.98	32.76	32.96	-6
Other ²	40.30	39.97	35.79	39.16	43.42	-9.8
Europe Total	33.54	33.42	34.47	33.71	34.33	-1.8
Belgium & Luxembourg.....	36.27	37.89	33.67	36.69	35.07	4.6
Bulgaria.....	53.66	-	-	-	-	-
Denmark.....	29.09	28.08	29.13	29.30	29.37	-2
Finland.....	34.29	35.83	35.55	35.23	35.53	-9
France.....	35.54	-	35.04	36.14	35.13	2.9
Germany, FR.....	-	37.72	31.99	31.92	33.31	-4.2
Ireland.....	37.40	37.53	36.25	37.35	36.07	3.6
Italy.....	39.89	42.77	42.84	41.20	41.70	-1.2
Netherlands.....	33.19	33.81	35.61	32.94	36.45	-9.6
Portugal.....	35.27	34.74	34.40	35.60	36.28	-1.9
Romania.....	-	-	-	-	39.08	-
Spain.....	21.69	23.81	20.84	22.14	21.37	3.6
Sweden.....	43.45	48.53	-	39.21	48.54	-19.2
Turkey.....	40.75	34.98	30.93	41.28	30.98	33.2
United Kingdom.....	28.76	28.31	30.88	28.82	30.63	-5.9
Yugoslavia, FR.....	-	-	38.06	-	38.06	-
Other ²	35.31	40.82	40.69	34.56	40.69	-15.1
Asia Total	35.43	36.20	35.42	35.84	34.63	3.5
China (Taiwan).....	35.10	35.40	35.43	35.33	35.66	-9
Israel.....	34.88	34.15	35.47	35.12	34.63	1.4
Japan.....	35.78	36.86	35.86	36.31	35.03	3.7
Korea, Republic of.....	35.35	35.08	34.59	35.32	32.01	10.3
Other ²	38.70	40.80	34.42	38.26	30.41	25.8
Oceania & Australia Total	40.71	40.62	-	40.71	39.87	2.1
Africa Total	35.52	32.67	32.59	34.02	33.01	3.1
Egypt.....	-	-	40.88	40.78	40.81	-1
Morocco.....	35.52	32.67	32.58	34.01	33.00	3.1
South Africa, Rep of.....	-	-	-	-	39.80	-
Total ³	32.57	33.35	34.17	33.51	33.89	-1.1
U.S. Total ⁴	33.39	33.85	35.07	34.09	34.51	-1.2

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 1995.

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

⁴ U.S. Total is the average price of all coal exports.

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

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

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

Continent and Country of Destination	October - December 1996	July - September 1996	October - December 1995	Year to date		
				1996	1995	Percent Change
North America Total	1,874,958	2,677,606	1,394,099	6,499,645	4,776,144	36.1
Canada ¹	1,741,974	2,587,210	1,287,145	6,029,730	4,452,043	35.4
Mexico.....	132,984	90,396	106,954	469,915	324,101	45.0
South America Total	1,802,196	1,702,351	1,884,877	6,813,571	6,778,006	.5
Argentina.....	37,947	72,824	136,400	290,599	335,725	-13.4
Brazil.....	1,764,249	1,629,527	1,642,114	6,445,126	6,335,918	1.7
Chile.....	-	-	106,363	77,649	106,363	-27.0
Other ²	-	-	-	197	-	-
Europe Total	7,080,703	6,500,744	6,928,966	28,252,934	27,282,076	3.6
Belgium & Luxembourg.....	665,392	662,006	1,031,215	3,444,744	3,468,257	-.7
Bulgaria.....	282,318	279,605	439,025	1,213,715	1,338,681	-9.3
Finland.....	-	225,803	239,290	539,544	724,146	-25.5
France.....	906,272	685,029	850,583	3,083,711	3,155,399	-2.3
Germany, FR.....	257,911	90,863	116,398	537,910	230,723	133.1
Italy.....	1,287,242	1,105,534	998,406	5,292,851	4,504,070	17.5
Netherlands.....	1,091,905	915,616	922,528	4,141,545	3,978,179	4.1
Norway.....	16,186	17,061	16,425	61,110	91,979	-33.6
Portugal.....	68,023	72,822	30,263	174,346	30,263	476.1
Romania.....	389,859	435,664	366,535	1,512,031	1,684,598	-10.2
Spain.....	598,137	407,156	463,439	2,102,685	2,178,134	-3.5
Sweden.....	371,467	315,113	379,379	986,907	1,108,619	-11.0
Turkey.....	529,825	490,251	450,880	2,026,746	1,805,520	12.3
United Kingdom.....	616,166	782,443	603,180	3,080,952	2,931,678	5.1
Other ²	-	15,778	21,420	54,137	51,830	4.5
Asia Total	2,314,615	2,236,955	2,357,496	8,814,438	11,013,804	-20.0
China (Taiwan).....	115,652	123,996	131,858	375,780	370,454	1.4
Israel.....	134,712	130,751	-	265,463	140,529	88.9
Japan.....	1,359,253	1,401,893	1,607,183	5,552,202	7,929,298	-30.0
Korea, Republic of.....	704,998	580,315	618,455	2,597,446	2,573,523	.9
Other ²	-	-	-	23,547	-	-
Africa Total	490,453	870,338	737,718	2,569,661	2,239,209	14.8
Algeria.....	61,640	-	54,968	176,549	220,065	-19.8
Egypt.....	245,167	248,321	424,822	1,036,627	1,233,342	-15.9
Morocco.....	-	36,579	-	36,579	-	-
South Africa, Rep of.....	183,646	585,438	257,928	1,319,906	785,802	68.0
Total	13,562,925	13,987,994	13,303,156	52,950,249	52,089,239	1.7

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 1995.

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

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

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

Continent and Country of Destination	October - December 1996	July - September 1996	October - December 1995	Year to date		
				1996	1995	Percent Change
North America Total	\$36.57	\$36.14	\$36.65	\$36.79	\$37.25	-1.3
Canada ¹	35.73	35.79	35.62	35.99	36.55	-1.5
Mexico.....	48.31	47.15	49.07	47.36	46.90	1.0
South America Total	44.75	45.00	43.98	44.61	43.66	2.2
Argentina.....	50.46	-	42.34	46.87	43.54	7.7
Brazil.....	44.63	45.00	45.00	44.73	43.89	1.9
Chile.....	-	-	30.26	30.26	30.26	*
Europe Total	47.61	48.41	46.88	47.68	46.02	3.6
Belgium & Luxembourg.....	49.56	48.51	46.43	48.68	45.97	5.9
Bulgaria.....	44.22	43.96	44.59	43.36	44.04	-1.5
Finland.....	-	43.76	43.11	44.21	42.65	3.7
France.....	47.90	47.58	45.24	47.13	45.08	4.5
Germany, FR.....	51.38	48.49	48.74	49.87	47.52	5.0
Italy.....	48.87	49.45	48.03	47.90	46.61	2.8
Netherlands.....	45.62	48.46	47.86	47.29	46.56	1.6
Norway.....	51.90	58.75	56.90	-	-	1.1
Portugal.....	44.91	44.91	46.45	45.20	46.45	-2.7
Romania.....	43.38	51.96	40.81	46.95	43.02	9.1
Spain.....	51.57	50.85	50.79	-	49.02	3.9
Sweden.....	47.77	48.72	50.22	48.20	48.20	*
Turkey.....	42.36	45.32	44.48	44.54	43.28	2.9
United Kingdom.....	49.50	49.09	49.63	49.08	47.22	4.0
Other ²	-	58.00	55.84	-	-	2.5
Asia Total	42.21	43.47	43.79	43.45	42.38	2.5
China (Taiwan).....	43.84	45.76	46.34	45.24	44.48	1.7
Israel.....	40.91	40.91	-	40.91	40.91	*
Japan.....	41.95	41.90	42.30	42.19	41.14	2.6
Korea, Republic of.....	42.68	47.35	47.13	46.08	45.98	.2
Africa Total	50.58	49.68	49.03	-	48.52	4.8
Algeria.....	51.24	-	49.70	-	47.80	5.1
Egypt.....	51.77	51.90	48.87	-	49.38	8.1
Morocco.....	-	30.30	-	30.30	-	-
South Africa, Rep of.....	48.76	49.95	49.15	49.55	47.38	4.6
Total ³	44.89	44.94	44.97	45.40	44.24	2.6
U.S. Total ⁴	44.95	45.08	45.04	45.49	44.30	2.7

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 1995.

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

⁴ U.S. Total is the average price of all coal exports.

* Rounded to zero

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

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

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

Customs District	October - December 1996	July - September 1996	October - December 1995	Year to date		
				1996	1995	Percent Change
Eastern Total	14,547,649	13,916,618	15,950,072	58,161,072	55,374,064	5.0
Boston, MA	-	-	32,752	-	32,752	-
Baltimore, MD	2,492,159	2,480,499	4,318,166	11,221,437	11,312,724	-8
Portland, ME	-	17	88	83	57,361	-99.9
Buffalo, NY	710,211	764,673	663,618	2,262,520	1,574,007	43.7
New York City, NY	351	724	500	6,427	87,439	-92.6
Ogdensburg, NY	51,009	17,836	43,022	115,981	162,930	-28.8
Philadelphia, PA	131,818	134,930	107,603	406,440	338,966	19.9
Norfolk, VA	11,161,995	10,517,615	10,784,323	44,147,537	41,807,834	5.6
St. Albans, VT	106	324	-	647	51	(b)
Southern Total	3,813,414	4,189,617	5,295,146	16,076,864	19,935,783	-19.4
Mobile, AL	1,312,181	1,685,247	2,167,739	5,897,192	8,283,313	-28.8
Savannah, GA	-	-	-	-	3,825	-
Miami, FL	1,941	-	1,499	1,941	1,688	15.0
Tampa, FL	-	-	151	-	1,253	-
New Orleans, LA	1,869,629	1,958,956	2,534,979	8,669,181	10,522,167	-17.6
Wilmington, NC	20	-	-	28	-	-
San Juan, PR	-	-	-	442	85	420.0
Charleston, SC	23,923	39,998	95,507	153,990	401,206	-61.6
El Paso, TX	-	-	-	-	427	-
Houston-Galveston, TX	128,958	60,575	67,406	296,951	179,473	65.5
Laredo, TX	476,762	444,841	427,865	1,057,139	542,346	94.9
Western Total	1,607,885	1,825,209	1,394,114	6,831,779	5,527,219	23.6
Anchorage, AK	300,483	153,367	328,208	784,194	919,445	-14.7
Nogales, AZ	22	-	-	22	-	-
Los Angeles, CA	1,306,920	1,623,438	1,034,888	5,899,390	4,475,035	31.8
San Diego, CA	-	-	-	-	69	-
San Francisco, CA	-	-	-	644	374	72.2
Great Falls, MT	124	133	-	485	271	79.0
Seattle, WA	336	48,271	31,018	147,044	132,025	11.4
Northern Total	3,438,748	3,568,046	1,557,561	9,357,956	7,687,780	21.7
Detroit, MI	1,729,744	1,365,472	419,767	3,804,411	1,845,239	106.2
Duluth, MN	49,979	115,494	-	247,148	210,175	17.6
Pembina, ND	314	154	22	808	18,737	-95.7
Cleveland, OH	1,658,711	2,086,926	1,137,772	5,305,589	5,613,629	-5.5
Other Ports	6,403	4,308	4,299	44,972	22,452	100.3
Total	23,414,099	23,503,798	24,201,192	90,472,643	88,547,298	2.2

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

Continent and Country of Destination	October - December 1996	July - September 1996	October - December 1995	Year to date		
				1996	1995	Percent Change
North America Total	216,286	155,532	214,480	650,998	643,819	1.1
Canada ¹	165,744	125,240	197,814	491,061	578,679	-15.1
Mexico.....	49,716	29,205	16,234	143,379	60,045	138.8
Other ²	826	1,087	432	16,558	5,095	225.0
South America Total	7,032	115	-	34,619	61,604	-43.8
Europe Total	119,565	94,973	25,540	435,741	44,007	(3)
Romania.....	83,804	82,940	-	251,123	-	-
Other ²	35,761	12,033	25,540	184,618	44,007	319.5
Asia Total	-	-	46	-	130	-
Oceania & Australia Total	-	-	-	-	37	-
Total	342,883	250,620	240,066	1,121,358	749,597	49.6

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 1995.

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

Continent and Country of Origin	October - December 1996	July - September 1996	October - December 1995	Year to date		
				1996	1995	Percent Change
North America Total	377,456	360,883	362,630	1,433,813	1,344,614	6.6
Canada.....	372,342	359,105	362,574	1,426,504	1,319,742	8.1
Mexico.....	5,114	1,778	56	7,309	216	(1)
Netherlands Antilles.....	-	-	-	-	24,656	-
South America Total	834,115	1,214,552	1,356,827	3,989,640	4,583,283	-13.0
Colombia.....	542,460	803,961	796,540	2,526,804	2,736,933	-7.7
Venezuela.....	291,655	410,591	560,287	1,462,836	1,846,350	-20.8
Europe Total	436	1,989	143	2,613	522	400.6
Belgium & Luxembourg.....	407	1,977	-	2,473	-	-
Denmark.....	-	-	-	-	236	-
Spain.....	-	-	-	99	-	-
Turkey.....	29	12	-	41	-	-
United Kingdom.....	-	-	143	-	286	-
Asia Total	514,570	469,293	305,494	1,534,989	1,018,512	50.7
China (Mainland).....	-	-	-	-	53	-
Hong Kong.....	-	1	-	1	-	-
Indonesia.....	514,568	469,292	305,494	1,534,986	1,018,433	50.7
Japan.....	2	-	-	2	26	-92.3
Oceania & Australia Total	63,106	23,845	45,957	164,793	254,141	-35.2
Australia.....	63,106	23,845	45,957	164,793	211,702	-22.2
New Zealand.....	-	-	-	-	42,439	-
Total	1,789,683	2,070,562	2,071,051	7,125,848	7,201,072	-1.0

¹ Changes of 500 percent or more are not shown.

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

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

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

Continent and Country of Origin	October - December 1996	July - September 1996	October - December 1995	Year to date		
				1996	1995	Percent Change
North America Total	\$37.16	\$36.49	\$35.70	\$34.89	\$35.12	-0.7
Canada.....	37.23	36.51	35.70	34.90	35.12	-6
Mexico.....	34.11	33.92	-	33.43	-	-
South America Total	32.07	31.08	33.63	31.24	32.76	-4.6
Colombia.....	32.13	31.55	32.38	31.40	31.15	.8
Venezuela.....	31.97	30.19	35.40	30.97	35.14	-11.9
Europe Total	-	-	25.70	-	25.70	-
United Kingdom.....	-	-	25.70	-	25.70	-
Asia Total	31.42	29.87	33.30	32.45	35.13	-7.6
Indonesia.....	31.42	29.87	33.30	32.45	35.13	-7.6
Oceania & Australia Total	33.22	32.51	32.18	33.41	33.57	-1.5
Australia.....	33.22	32.51	32.18	33.41	30.99	7.8
New Zealand.....	-	-	-	-	46.42	-
Total ¹	32.66	31.55	33.87	32.17	33.54	-4.1
U.S. Total ²	34.55	33.19	34.54	33.45	34.13	-2.0

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 \$55 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 18. Coal Imports by Customs District
(Short Tons)

Customs District	October - December 1996	July - September 1996	October - December 1995	Year to date		
				1996	1995	Percent Change
Eastern Total	495,101	583,566	577,480	2,144,142	1,935,401	10.8
Boston, MA.....	401,208	479,591	518,242	1,803,234	1,484,886	21.4
Baltimore, MD.....	-	-	-	99	28,328	-99.7
Portland, ME.....	65,798	65,647	57,061	246,852	364,232	-32.2
Buffalo, NY.....	407	2,196	2,034	2,658	2,034	30.7
New York City, NY.....	-	-	143	65	522	-87.5
Ogdensburg, NY.....	-	-	-	50	-	-
Philadelphia, PA.....	27,688	36,132	-	91,184	55,399	64.6
Southern Total	682,769	926,208	914,185	2,745,266	3,101,069	-11.5
Mobile, AL.....	31,417	36,248	363,231	288,484	1,108,555	-74.0
Savannah, GA.....	-	54,673	-	118,509	-	-
Miami, FL.....	-	-	-	-	26,035	-
Tampa, FL.....	316,915	508,891	326,779	1,419,408	1,284,109	10.5
New Orleans, LA.....	299,082	291,262	134,639	808,592	387,861	108.5
San Juan, PR.....	30,212	33,344	89,480	96,901	272,296	-64.4
Houston-Galveston, TX.....	29	12	-	6,063	-	-
Laredo, TX.....	5,114	1,778	56	7,309	167	(¹)
Virgin Islands.....	-	-	-	-	22,046	-
Western Total	247,299	201,875	216,812	830,157	863,707	-3.9
Los Angeles, CA.....	2	-	-	2	-	-
San Diego, CA.....	-	-	-	-	49	-
Honolulu, HI.....	239,469	201,875	216,812	810,176	844,785	-4.1
Great Falls, MT.....	-	-	-	25	645	-96.1
Seattle, WA.....	7,828	-	-	19,954	18,228	9.5
Northern Total	364,514	358,913	362,574	1,406,283	1,300,895	8.1
Chicago, IL.....	57,275	32,378	29,411	238,592	64,394	270.5
Detroit, MI.....	127,448	126,922	119,946	374,566	421,633	-11.2
Duluth, MN.....	67,122	79,332	62,453	291,346	244,278	19.3
St Louis, MO.....	-	1	-	1	-	-
Pembina, ND.....	112,669	120,280	150,764	501,778	570,590	-12.1
Total	1,789,683	2,070,562	2,071,051	7,125,848	7,201,072	-1.0

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."

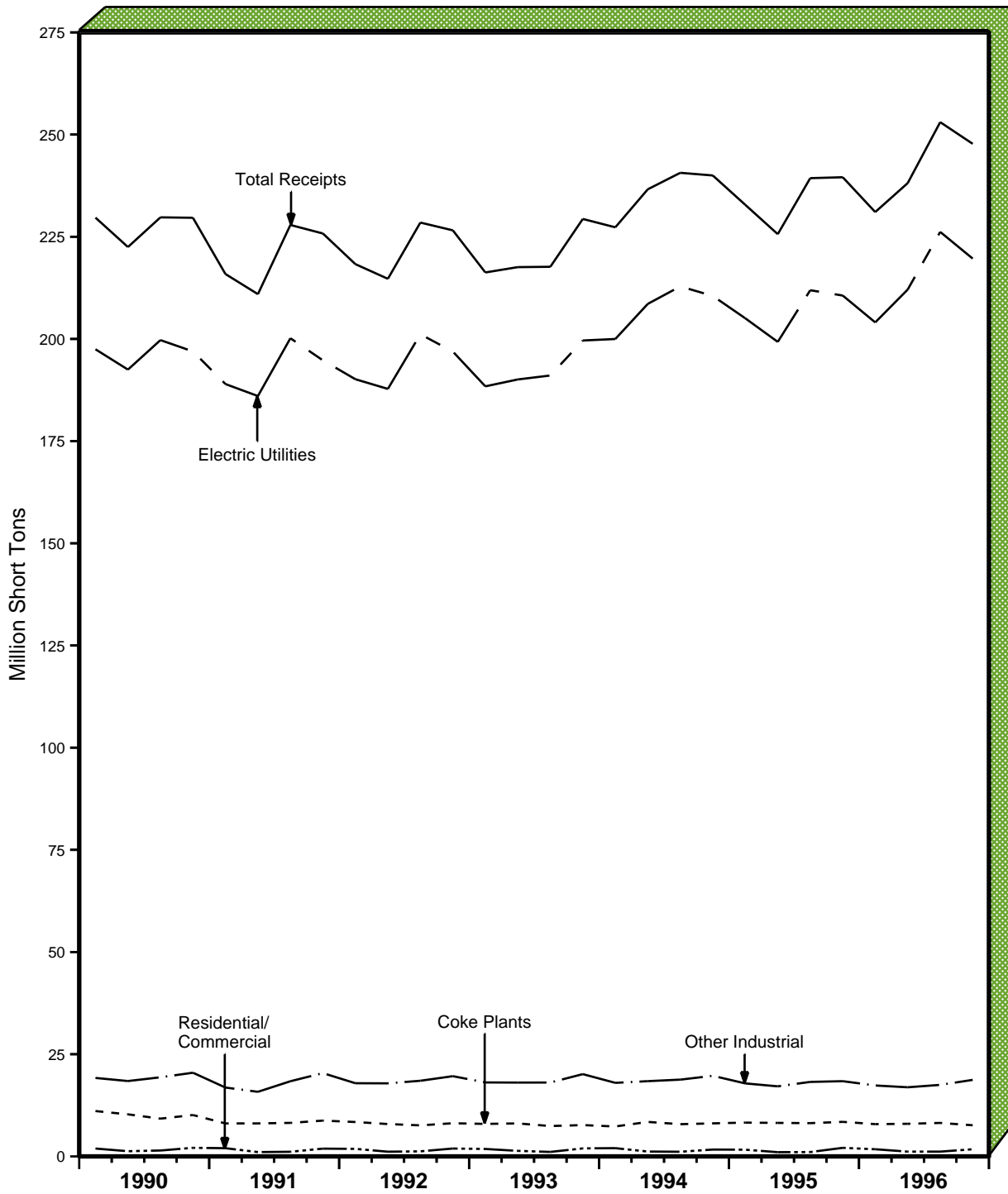
Table 19. U.S. Coke Imports
(Short Tons)

Continent and Country of Origin	October - December 1996	July - September 1996	October - December 1995	Year to date		
				1996	1995	Percent Change
North America Total	10,557	16,655	12,175	68,533	66,758	2.7
Canada.....	10,557	16,655	12,175	68,533	66,758	2.7
Europe Total	—	—	—	—	42,166	—
Poland	—	—	—	—	42,166	—
Asia Total	290,213	135,219	467,803	1,042,120	1,645,242	-36.7
China (Mainland).....	48,883	48,057	249,420	230,679	626,256	-63.2
Japan	241,330	87,162	218,383	811,441	1,018,986	-20.4
Africa Total	—	—	22,955	—	61,907	—
Mozambique	—	—	22,955	—	22,955	—
Zimbabwe	—	—	—	—	38,952	—
Total	300,770	151,874	502,933	1,110,653	1,816,073	-38.8

Note: Total may not equal sum of components because of independent rounding.
Source: Bureau of the Census, U.S. Department of Commerce, "Monthly Report IM 145."

Receipts

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



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

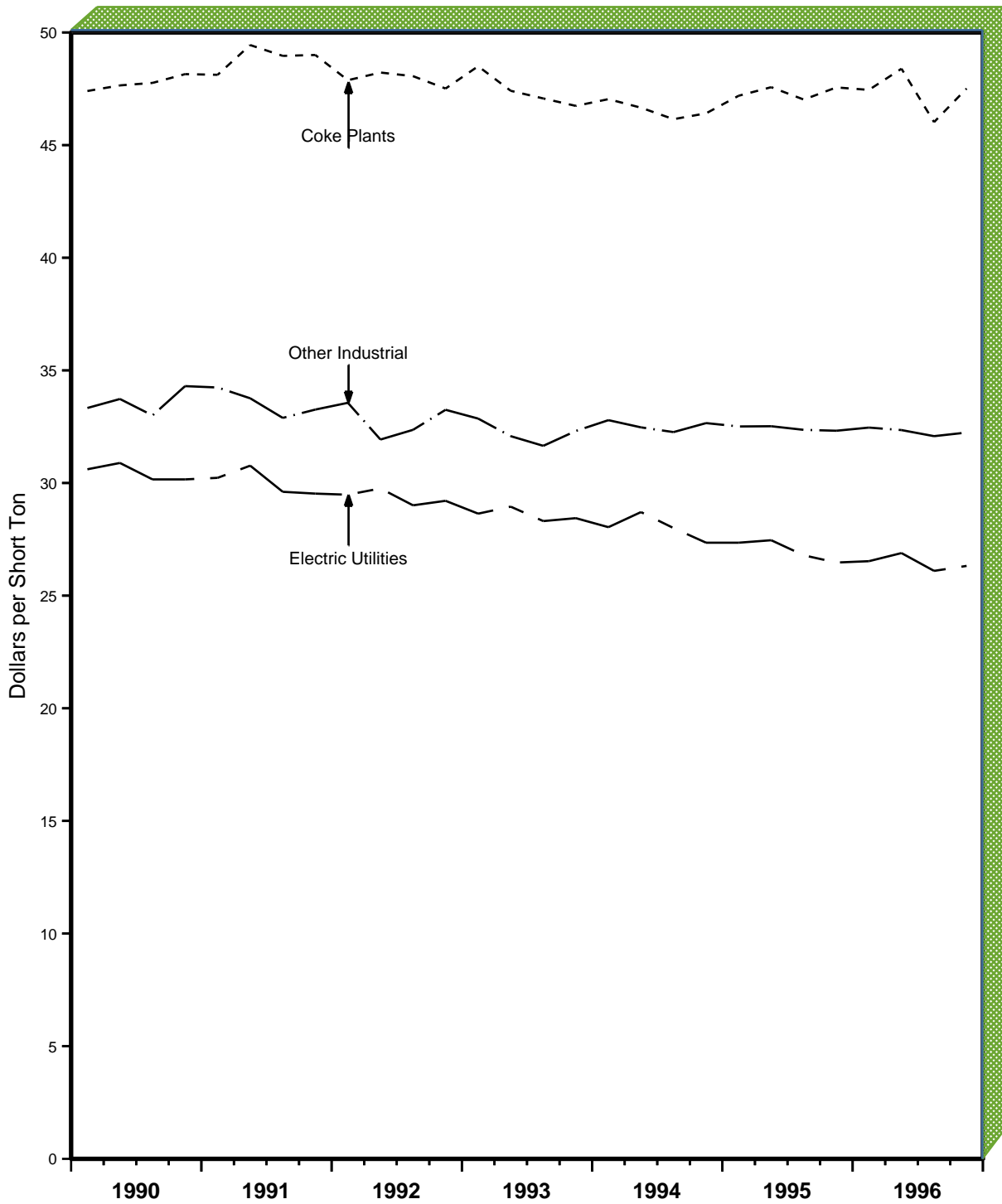
Table 20. U.S. Coal Receipts by End-Use Sector, 1990-1996
(Thousand Short Tons)

Year and Quarter	Electric Utilities	Coke Plants	Other Industrial	Residential and Commercial	Total
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	205,054	8,261	17,859	1,638	232,812
April - June	199,275	8,192	17,137	1,032	225,635
July - September	211,914	8,135	18,225	1,063	239,337
October - December	210,617	8,449	18,402	2,091	239,558
Total	826,860	33,036	71,622	5,824	937,342
1996 January - March	204,046	7,894	17,351	1,747	231,039
April - June	212,080	7,974	16,905	1,165	238,124
July - September	226,184	8,187	17,501	1,165	253,038
October - December	219,656	7,616	18,718	1,747	247,737
Total	861,967	31,672	70,475	5,824	969,937

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

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

Figure 6. Quarterly Average Price of U.S. Coal Receipts, 1990-1996



Note: Each increment represents end-of-quarter data.

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

Table 21. Average Price of U.S. Coal Receipts by End-Use Sector, 1990-1996
(Dollars per Short Ton)

Year and Quarter	Electric Utilities	Coke Plants	Other Industrial ¹
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	32.26
October - December.....	27.35	46.41	32.66
Average Annual Price	28.03	46.56	32.55
1995 January - March	27.35	47.19	32.51
April - June.....	27.46	47.57	32.52
July - September.....	26.79	47.02	32.36
October - December.....	26.47	47.56	32.32
Average Annual Price	27.01	47.34	32.42
1996 January - March	26.53	47.45	32.46
April - June.....	26.89	48.39	32.35
July - September.....	26.10	46.02	32.08
October - December.....	26.32	47.51	32.24
Average Annual Price	26.45	47.33	32.28

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 1 in Appendix C.

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

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

Census Division and State	October - December 1996	July - September 1996	October - December 1995	Year to Date		
				1996	1995	Percent Change
New England Total	1,856	1,837	1,453	7,284	6,483	12.4
Connecticut.....	254	251	256	956	866	10.4
Maine.....	72	42	79	236	304	-22.4
Massachusetts.....	1,149	1,217	765	4,755	3,926	21.1
New Hampshire.....	380	326	352	1,332	1,381	-3.6
Rhode Island.....	1	1	1	3	3	*
Vermont.....	1	1	1	3	3	.0
Middle Atlantic Total	18,208	17,790	17,269	70,167	67,171	4.5
New Jersey.....	794	543	655	2,417	2,178	11.0
New York.....	2,975	2,828	2,661	10,966	10,487	4.6
Pennsylvania.....	14,439	14,420	13,953	56,784	54,506	4.2
East North Central Total	58,407	58,079	55,296	223,655	213,460	4.8
Illinois.....	11,983	11,372	10,656	43,928	40,036	9.7
Indiana.....	14,937	15,938	14,930	62,761	59,819	4.9
Michigan.....	10,113	10,543	9,984	34,548	35,585	-2.9
Ohio.....	14,804	13,616	13,719	57,800	54,527	6.0
Wisconsin.....	6,569	6,611	6,007	24,618	23,492	4.8
West North Central Total	33,452	35,813	32,182	135,942	132,159	2.9
Iowa.....	4,559	5,913	4,577	20,995	20,930	.3
Kansas.....	4,195	5,054	4,689	18,186	18,037	.8
Minnesota.....	4,843	4,482	4,536	18,987	18,514	2.6
Missouri.....	8,694	9,714	7,785	35,070	32,111	9.2
Nebraska.....	2,691	2,824	2,490	10,568	10,398	1.6
North Dakota.....	8,142	7,455	7,606	30,431	29,862	1.9
South Dakota.....	328	370	498	1,705	2,306	-26.1
South Atlantic Total	41,339	42,015	39,106	162,580	149,718	8.6
Delaware.....	606	491	505	1,911	1,911	*
District of Columbia.....	2	1	3	6	6	*
Florida.....	7,172	7,388	6,353	27,973	25,478	9.8
Georgia.....	6,772	8,731	7,760	30,899	30,483	1.4
Maryland.....	3,050	2,632	3,208	12,010	10,946	9.7
North Carolina.....	7,365	7,381	5,922	27,124	22,413	21.0
South Carolina.....	3,878	3,286	3,111	12,992	11,858	9.6
Virginia.....	4,007	3,506	3,198	14,838	12,486	18.8
West Virginia.....	8,487	8,601	9,045	34,827	34,136	2.0
East South Central Total	27,094	28,404	27,788	110,161	106,803	3.1
Alabama.....	8,965	9,118	8,638	35,145	33,569	4.7
Kentucky.....	10,057	10,594	10,531	41,857	40,704	2.8
Mississippi.....	1,727	1,462	968	5,686	4,550	25.0
Tennessee.....	6,344	7,231	7,651	27,473	27,980	-1.8
West South Central Total	35,342	39,114	36,520	146,959	143,204	2.6
Arkansas.....	3,500	4,131	3,748	15,075	14,409	4.6
Louisiana.....	2,906	3,574	3,028	12,589	13,794	-8.7
Oklahoma.....	4,795	5,280	5,191	20,335	21,161	-3.9
Texas.....	24,142	26,129	24,553	98,960	93,841	5.5
Mountain Total	29,363	27,680	27,041	104,489	108,103	-3.3
Arizona.....	3,929	4,304	3,594	15,705	16,413	-4.3
Colorado.....	4,707	4,323	4,297	17,108	17,282	-1.0
Idaho.....	112	109	129	337	495	-31.9
Montana.....	2,865	2,355	2,523	7,978	9,933	-19.7
Nevada.....	2,271	2,081	2,063	7,496	7,678	-2.4
New Mexico.....	4,418	3,848	3,723	14,890	14,754	.9
Utah.....	4,161	3,766	3,667	15,324	15,512	-1.2
Wyoming.....	6,899	6,894	7,046	25,651	26,036	-1.5
Pacific Total	2,676	2,305	2,903	8,700	10,242	-15.1
Alaska.....	158	105	182	526	523	.6
California.....	626	573	747	2,285	2,626	-13.0
Hawaii.....	64	23	15	165	130	27.0
Oregon.....	618	290	494	920	1,363	-32.5
Washington.....	1,210	1,314	1,464	4,804	5,600	-14.2
U.S. Total	247,737	253,038	239,558	969,937	937,342	3.5

* Rounded to zero.

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

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

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

Census Division and State	October-December 1996		October-December 1995		Year to Date					
	Quantity (thousand short tons)	Price (cents per MM Btu)	Quantity (thousand short tons)	Price (cents per MM Btu)	1996		1995		Percent Change	
					Quantity (thousand short tons)	Price (cents per MM Btu)	Quantity (thousand short tons)	Price (cents per MM Btu)	Quantity	Price
New England	1,755	171	1,322	165	6,947	170	6,072	169	14.4	0.9
Connecticut.....	246	191	234	189	931	191	841	188	10.7	1.5
Massachusetts.....	1,131	167	739	161	4,693	169	3,859	168	21.6	.5
New Hampshire.....	378	167	349	157	1,324	161	1,372	159	-3.5	1.1
Mid Atlantic	13,385	140	12,234	137	51,057	141	48,188	139	6.0	1.4
New Jersey.....	789	173	649	178	2,402	175	2,160	178	11.2	-1.4
New York.....	2,173	142	1,877	142	7,896	143	7,575	141	4.2	1.1
Pennsylvania.....	10,424	136	9,708	134	40,759	138	38,453	136	6.0	1.7
East North Central	50,398	133	47,539	137	194,050	133	184,018	139	5.5	-4.0
Illinois.....	10,202	160	8,935	158	37,441	163	33,905	163	10.4	-3
Indiana.....	12,073	115	12,310	123	51,680	119	49,676	125	4.0	-5.1
Michigan.....	8,794	142	8,811	143	30,177	140	31,214	145	-3.3	-3.6
Ohio.....	13,263	134	11,972	143	51,948	134	47,768	142	8.8	-5.5
Wisconsin.....	6,066	104	5,511	112	22,804	106	21,456	114	6.3	-6.6
West North Central	29,632	91	28,567	92	121,678	92	117,821	96	3.3	-3.7
Iowa.....	3,951	92	3,942	97	18,116	94	18,095	99	.1	-4.6
Kansas.....	4,126	100	4,580	98	17,932	99	17,812	102	.7	-2.9
Minnesota.....	4,168	101	4,187	105	16,744	107	16,862	114	-7	-6.5
Missouri.....	8,324	96	7,391	94	33,718	95	30,819	98	9.4	-3.0
Nebraska.....	2,591	68	2,346	74	10,275	72	10,063	75	2.1	-3.9
North Dakota.....	6,260	74	5,732	73	23,586	74	22,294	73	5.8	.5
South Dakota.....	213	102	390	94	1,307	94	1,877	103	-30.4	-8.9
South Atlantic	37,313	148	34,640	152	146,322	149	132,902	155	10.1	-3.8
Delaware.....	548	162	448	160	1,745	159	1,720	162	1.4	-1.3
Florida.....	6,849	170	6,016	174	26,700	174	24,202	179	10.3	-2.7
Georgia.....	6,235	159	7,262	166	28,870	158	28,490	167	1.3	-5.4
Maryland.....	2,761	148	2,788	151	10,949	149	9,901	150	10.6	-6
North Carolina.....	6,739	148	5,296	156	24,646	148	19,792	163	24.5	-8.8
South Carolina.....	3,328	147	2,569	148	10,951	147	9,771	151	12.1	-2.7
Virginia.....	3,011	140	2,174	145	11,024	142	8,624	145	27.8	-2.1
West Virginia.....	7,842	123	8,087	125	31,438	125	30,402	127	3.4	-1.8
East South Central	23,791	127	24,333	125	96,833	125	93,394	127	3.7	-1.8
Alabama.....	7,583	154	7,287	153	29,374	154	28,131	156	4.4	-1.3
Kentucky.....	9,202	108	9,476	108	38,383	106	36,891	111	4.0	-4.2
Mississippi.....	1,654	150	900	149	5,428	151	4,271	153	27.1	-1.5
Tennessee.....	5,353	114	6,671	113	23,649	115	24,100	115	-1.9	-6
West South Central	33,825	132	34,920	129	140,987	129	136,806	134	3.1	-3.4
Arkansas.....	3,411	158	3,674	156	14,736	150	14,082	161	4.6	-6.9
Louisiana.....	2,888	150	3,006	156	12,504	151	13,409	155	-6.8	-2.3
Oklahoma.....	4,588	95	4,794	98	19,571	98	19,713	99	-7	-1.7
Texas.....	22,938	133	23,445	128	94,176	129	89,602	134	5.1	-3.2
Mountain	27,840	106	25,268	107	98,675	112	101,149	110	-2.4	1.4
Arizona.....	3,757	140	3,439	146	15,027	144	15,762	139	-4.7	3.5
Colorado.....	4,507	97	4,059	104	16,416	103	16,503	105	-5	-2.0
Montana.....	2,816	68	2,313	72	7,877	71	9,313	67	-15.4	4.8
Nevada.....	2,227	122	2,016	126	7,304	137	7,422	131	-1.6	4.3
New Mexico.....	4,399	134	3,700	131	14,808	143	14,671	142	.9	1.0
Utah.....	3,790	105	3,239	102	13,695	107	13,524	109	1.3	-2.1
Wyoming.....	6,344	81	6,502	80	23,547	82	23,955	82	-1.7	.5
Pacific	1,717	146	1,795	132	5,418	149	6,510	136	-16.8	9.1
Oregon.....	569	110	412	101	838	107	1,200	106	-30.2	1.2
Washington.....	1,149	165	1,383	142	4,580	157	5,310	144	-13.7	9.3
U.S. Total	219,656	128	210,617	129	861,967	129	826,860	132	4.2	-2.2

Notes: Total may not equal sum of components because of independent rounding. MM Btu represents million Btu.
Source: Federal Energy Regulatory Commission, FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

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

Census Division and State	October-December 1996		October-December 1995		Year to Date					
	Quantity (thousand short tons)	Price (cents per MM Btu)	Quantity (thousand short tons)	Price (cents per MM Btu)	1996		1995		Percent Change	
					Quantity (thousand short tons)	Price (cents per MM Btu)	Quantity (thousand short tons)	Price (cents per MM Btu)	Quantity	Price
New England	1,488	169	840	165	5,979	170	4,623	169	29.3	0.3
Connecticut.....	218	192	234	189	903	191	841	188	7.4	1.6
Massachusetts.....	1,060	166	348	156	4,136	167	2,809	168	47.3	-2
New Hampshire.....	210	161	258	156	939	158	973	157	-3.5	1.2
Mid Atlantic	10,196	143	8,969	145	38,337	146	34,465	147	11.2	-1.1
New Jersey.....	755	174	609	178	2,293	176	2,086	178	9.9	-1.1
New York.....	1,800	142	1,635	143	6,952	142	6,007	142	15.7	-2
Pennsylvania.....	7,641	140	6,725	142	29,092	144	26,373	146	10.3	-1.3
East North Central	36,388	143	36,376	144	145,215	142	143,398	146	1.3	-2.5
Illinois.....	8,935	166	7,745	162	32,186	170	29,231	169	10.1	.8
Indiana.....	7,650	126	9,484	128	35,620	128	39,414	130	-9.6	-1.8
Michigan.....	6,303	148	6,580	150	23,546	144	25,604	149	-8.0	-3.1
Ohio.....	9,193	147	9,518	151	36,785	146	37,223	150	-1.2	-2.8
Wisconsin.....	4,308	103	3,050	114	17,077	104	11,925	116	43.2	-10.6
West North Central	26,429	92	21,794	96	108,444	93	97,768	99	10.9	-5.8
Iowa.....	3,363	92	1,726	119	15,002	95	11,733	106	27.9	-10.9
Kansas.....	4,126	100	3,145	110	16,652	101	12,887	114	29.2	-11.1
Minnesota.....	4,019	101	3,962	105	15,740	106	16,148	114	-2.5	-6.7
Missouri.....	7,033	95	5,238	98	29,310	96	25,875	100	13.3	-4.4
Nebraska.....	1,416	75	1,602	77	6,851	76	6,954	77	-1.5	-2.4
North Dakota.....	6,258	74	5,732	73	23,582	74	22,294	73	5.8	.5
South Dakota.....	213	102	390	94	1,307	94	1,877	103	-30.4	-8.9
South Atlantic	25,285	151	23,454	159	95,763	154	96,584	162	-8	-4.7
Delaware.....	499	162	352	161	1,473	161	1,335	164	10.3	-2.1
Florida.....	4,166	180	4,219	186	17,045	186	17,506	190	-2.6	-2.0
Georgia.....	3,130	171	3,806	177	12,269	170	15,834	177	-22.5	-4.2
Maryland.....	1,623	147	1,827	151	6,741	147	6,894	151	-2.2	-2.6
North Carolina.....	4,508	151	3,696	163	17,706	152	16,766	167	5.6	-9.2
South Carolina.....	2,296	149	1,829	151	7,669	150	8,174	153	-6.2	-1.9
Virginia.....	2,335	140	1,683	146	8,441	141	6,940	145	21.6	-2.8
West Virginia.....	6,726	127	6,043	135	24,420	133	23,134	137	5.6	-3.0
East South Central	18,152	130	17,075	130	73,197	130	67,514	133	8.4	-2.6
Alabama.....	6,002	162	4,991	165	24,229	161	19,818	169	22.3	-4.7
Kentucky.....	6,618	107	6,927	110	27,256	107	26,803	113	1.7	-5.1
Mississippi.....	1,496	152	773	153	4,734	154	3,767	157	25.7	-2.0
Tennessee.....	4,037	114	4,384	116	16,978	116	17,126	118	-9	-1.9
West South Central	31,795	132	31,475	132	133,794	129	124,855	137	7.2	-5.4
Arkansas.....	3,198	160	3,434	158	14,131	151	13,549	162	4.3	-6.8
Louisiana.....	2,888	150	3,006	156	12,504	151	13,409	155	-6.8	-2.3
Oklahoma.....	4,588	95	2,586	110	19,341	98	11,618	109	66.5	-10.2
Texas.....	21,121	134	22,449	126	87,818	130	86,279	133	1.8	-2.6
Mountain	25,853	108	23,806	109	94,013	113	94,564	112	-6	.9
Arizona.....	2,993	151	3,343	147	13,099	150	13,831	142	-5.3	5.4
Colorado.....	3,775	101	3,943	105	14,980	105	15,617	106	-4.1	-1.1
Montana.....	2,816	68	2,313	72	7,877	71	9,313	67	-15.4	4.8
Nevada.....	1,905	125	2,016	126	6,938	138	7,422	131	-6.5	5.7
New Mexico.....	4,399	134	3,700	131	14,808	143	14,671	142	.9	1.0
Utah.....	3,622	107	3,057	105	13,058	110	12,900	112	1.2	-2.1
Wyoming.....	6,344	81	5,433	82	23,254	82	20,811	84	11.7	-1.5
Pacific	1,056	168	1,266	143	4,472	157	4,626	147	-3.3	7.4
Washington.....	1,056	168	1,266	143	4,472	157	4,626	147	-3.3	7.4
U.S. Total	176,643	130	165,055	134	699,213	131	668,398	136	4.6	-3.4

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

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

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

Census Division and State	October-December 1996		October-December 1995		Year to Date					
	Quantity (thousand short tons)	Price (cents per MM Btu)	Quantity (thousand short tons)	Price (cents per MM Btu)	1996		1995		Percent Change	
					Quantity (thousand short tons)	Price (cents per MM Btu)	Quantity (thousand short tons)	Price (cents per MM Btu)	Quantity	Price
New England	267	179	482	165	969	174	1,449	168	-33.1	3.7
Connecticut	28	185	-	-	28	185	-	-	-	-
Massachusetts.....	72	186	391	166	556	179	1,050	169	-47.0	5.9
New Hampshire	167	175	92	159	384	166	399	165	-3.6	.8
Mid Atlantic	3,190	128	3,265	117	12,720	126	13,723	117	-7.3	7.8
New Jersey	34	160	40	173	109	161	74	173	47.8	-6.8
New York.....	373	144	242	134	943	148	1,568	137	-39.9	8.0
Pennsylvania	2,783	126	2,983	114	11,667	124	12,080	114	-3.4	8.8
East North Central	14,009	108	11,163	114	48,836	109	40,620	115	20.2	-5.6
Illinois	1,268	121	1,190	132	5,256	123	4,674	133	12.4	-7.1
Indiana.....	4,423	97	2,827	109	16,059	101	10,261	108	56.5	-6.5
Michigan	2,491	129	2,231	121	6,631	123	5,609	127	18.2	-3.1
Ohio.....	4,070	105	2,454	111	15,163	105	10,544	113	43.8	-6.5
Wisconsin.....	1,758	106	2,462	110	5,727	112	9,531	110	-39.9	1.7
West North Central	3,202	83	6,773	78	13,234	85	20,053	81	-34.0	5.1
Iowa.....	587	93	2,216	80	3,114	91	6,362	85	-51.0	7.0
Kansas	-	-	1,435	69	1,280	72	4,924	71	-74.0	2.0
Minnesota.....	148	103	225	95	1,004	111	714	115	40.7	-3.6
Missouri.....	1,290	98	2,153	83	4,408	95	4,944	90	-10.8	6.1
Nebraska.....	1,175	60	744	67	3,424	65	3,109	69	10.1	-6.3
North Dakota.....	1	64	-	-	3	65	-	-	-	-
South Atlantic	12,029	143	11,186	137	50,559	140	36,318	137	39.2	2.3
Delaware	48	160	97	154	272	151	385	151	-29.4	-1
Florida	2,682	154	1,797	147	9,655	152	6,695	149	44.2	2.2
Georgia.....	3,106	145	3,456	151	16,601	147	12,655	151	31.2	-2.3
Maryland.....	1,138	150	961	151	4,208	153	3,007	148	39.9	3.1
North Carolina	2,231	143	1,600	141	6,940	140	3,026	140	129.3	.5
South Carolina	1,032	143	740	141	3,282	141	1,597	142	105.6	-1.3
Virginia	676	138	491	141	2,583	143	1,684	142	53.4	.8
West Virginia.....	1,115	102	2,044	94	7,018	97	7,269	95	-3.5	1.4
East South Central	5,638	115	7,258	111	23,636	110	25,880	111	-8.7	-7
Alabama	1,581	125	2,295	125	5,145	123	8,314	122	-38.1	.8
Kentucky.....	2,584	108	2,549	101	11,126	103	10,089	105	10.3	-1.7
Mississippi.....	158	135	127	131	693	134	504	128	37.6	4.3
Tennessee.....	1,316	114	2,287	106	6,672	111	6,974	108	-4.3	2.9
West South Central	2,030	125	3,445	109	7,193	127	11,951	107	-39.8	18.9
Arkansas.....	213	123	240	129	605	120	533	130	13.5	-7.8
Oklahoma.....	-	-	2,208	83	230	79	8,095	85	-97.2	-7.1
Texas	1,817	125	996	155	6,358	129	3,323	150	91.3	-13.8
Mountain	1,987	88	1,462	70	4,662	89	6,585	85	-29.2	4.2
Arizona.....	763	95	95	112	1,928	104	1,931	117	-1	-10.8
Colorado.....	733	78	115	75	1,436	82	886	88	62.1	-6.6
Nevada.....	322	106	-	-	367	105	-	-	-	-
Utah.....	169	59	182	57	638	58	624	58	2.2	-1.2
Wyoming.....	-	-	1,069	68	293	71	3,144	70	-90.7	1.4
Pacific	661	114	529	108	946	111	1,884	114	-49.8	-2.3
Oregon.....	569	110	412	101	838	107	1,200	106	-30.2	1.2
Washington	93	136	117	132	108	142	684	127	-84.2	11.5
U.S. Total	43,013	120	45,562	114	162,754	120	158,462	115	2.7	3.8

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

Census Division and State	October-December 1996	July-September 1996	October-December 1995	Year to Date		
				1996	1995	Percent Change
New England	\$43.62	\$43.45	\$42.45	\$43.54	\$43.34	0.4
Connecticut	50.13	50.12	49.68	50.05	49.33	1.5
Massachusetts.....	42.20	42.59	40.89	42.61	42.63	*
New Hampshire	43.64	41.59	40.91	42.23	41.67	1.3
Mid Atlantic	34.87	34.75	34.38	35.08	34.63	1.3
New Jersey	44.97	44.77	47.14	45.50	47.17	-3.5
New York.....	36.99	37.71	36.98	37.14	36.86	.8
Pennsylvania	33.66	33.65	33.03	34.07	33.48	1.7
East North Central	28.08	27.88	29.13	28.31	29.67	-4.6
Illinois	31.28	31.07	31.32	32.17	32.58	-1.2
Indiana.....	23.72	24.29	25.24	24.67	25.94	-4.9
Michigan	30.28	28.64	30.13	29.34	30.95	-5.2
Ohio.....	32.17	32.50	34.48	32.38	34.44	-6.0
Wisconsin.....	19.23	20.20	21.04	19.55	21.23	-7.9
West North Central	15.21	15.64	15.39	15.53	16.10	-3.6
Iowa.....	15.97	16.39	16.95	16.30	17.13	-4.9
Kansas.....	17.83	17.18	17.10	17.51	17.83	-1.8
Minnesota.....	17.90	19.35	18.59	18.99	20.12	-5.6
Missouri.....	17.33	17.42	16.99	17.31	18.14	-4.6
Nebraska.....	11.67	12.50	12.69	12.37	12.86	-3.8
North Dakota.....	9.76	9.69	9.55	9.72	9.65	.7
South Dakota.....	18.31	16.81	17.13	16.94	14.35	18.0
South Atlantic	36.43	36.66	37.44	36.68	38.25	-4.1
Delaware	42.12	41.13	41.78	41.51	42.27	-1.8
Florida	41.28	42.02	42.95	42.38	43.93	-3.5
Georgia.....	37.21	37.10	38.23	36.54	38.62	-5.4
Maryland	38.03	38.28	38.97	38.49	39.00	-1.3
North Carolina	36.70	36.23	38.81	36.87	40.57	-9.1
South Carolina	37.51	37.57	37.99	37.54	38.86	-3.4
Virginia	35.03	36.12	36.78	35.73	36.90	-3.2
West Virginia.....	30.47	30.73	30.98	30.94	31.61	-2.1
East South Central	29.50	29.15	29.41	29.31	30.08	-2.6
Alabama	36.11	35.89	36.74	36.31	37.00	-1.9
Kentucky	24.89	23.91	24.96	24.43	25.71	-5.0
Mississippi.....	31.65	35.90	32.80	33.31	34.40	-3.2
Tennessee	27.39	27.53	27.26	27.63	27.94	-1.1
West South Central	20.50	19.24	19.94	20.13	20.66	-2.6
Arkansas.....	27.43	24.01	27.08	26.11	27.99	-6.7
Louisiana	24.61	24.65	25.17	24.74	25.13	-1.5
Oklahoma	16.24	16.84	16.79	16.79	17.00	-1.2
Texas	19.81	18.19	18.80	19.27	19.65	-1.9
Mountain	20.66	22.05	20.79	21.82	21.51	1.5
Arizona.....	28.54	30.28	30.07	29.55	28.65	3.1
Colorado	19.09	20.05	20.44	20.24	20.73	-2.4
Montana.....	11.47	11.79	12.28	11.90	11.47	3.8
Nevada.....	27.55	31.01	27.90	30.44	29.02	4.9
New Mexico.....	24.39	26.32	23.69	26.08	25.59	1.9
Utah.....	23.98	25.54	23.60	24.66	25.27	-2.4
Wyoming.....	14.19	14.59	13.87	14.33	14.29	.3
Pacific	24.12	21.01	22.04	23.96	22.83	5.0
Oregon.....	19.19	17.99	17.76	18.81	18.79	.1
Washington	26.55	21.66	23.32	24.91	23.74	4.9
U.S. Total	26.32	26.10	26.47	26.45	27.01	-2.1

* 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.

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

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

State	0-0.60 lbs sulfur per MM Btu		0.61-1.67 lbs sulfur per MM Btu		> 1.67 lbs. sulfur per MM Btu		Total			Percent Change vs prior year		
	Quantity (thousand short tons)	Price (cents per MM Btu)	Quantity (thousand short tons)	Price (cents per MM Btu)	Quantity (thousand short tons)	Price (cents per MM Btu)	Quantity (thousand short tons)	Price (cents per MM Btu)	Lbs. sulfur per MM Btu	Quantity	Price	Sulfur Content
Alabama	8,146	200	7,688	156	860	136	16,693	177	0.92	6.6	-0.9	1.9
Arizona	10,969	123	-	-	-	-	10,969	123	.48	-6.9	9.4	-1
Colorado	20,958	124	723	101	-	-	21,681	123	.42	-2.3	-5.7	3.5
Illinois	67	137	18,416	143	23,899	133	42,382	137	2.03	1.0	-1.5	-2.3
Indiana	1,136	143	7,598	114	15,146	101	23,880	107	2.19	18.5	-9.3	5.1
Kansas	-	-	18	131	136	132	154	132	2.15	-51.3	2.3	-22.6
Kentucky	16,173	159	68,820	146	32,440	108	117,433	138	1.35	-2.7	-4.0	4.1
Louisiana	-	-	2,578	137	635	143	3,213	138	1.38	-6.2	4.4	-17.0
Maryland	34	168	3,109	138	-	-	3,143	138	1.23	-2.5	-8	4.2
Missouri	1	33	-	-	549	108	550	108	3.37	135.4	-4.0	-2.9
Montana	19,548	155	15,869	89	-	-	35,417	127	.57	-8	-9	-4.8
New Mexico	5,768	173	18,146	145	-	-	23,914	153	.75	-4.6	.5	4.6
North Dakota	-	-	23,155	74	397	82	23,552	74	1.09	-4	-1.9	-4.8
Ohio	-	-	314	130	24,437	130	24,750	130	3.01	15.8	-5.7	2.8
Oklahoma	17	130	-	-	88	105	105	109	2.38	-27.8	-1.9	10.8
Pennsylvania	1,755	151	34,503	136	10,945	122	47,203	133	1.43	9.1	.7	2.3
Tennessee	68	134	2,780	123	63	111	2,911	123	.99	52.4	-6.8	15.4
Texas	-	-	34,306	103	16,959	94	51,266	100	1.56	2.6	-2.0	-9.6
Utah	18,680	112	18	113	-	-	18,698	112	.40	3.8	-1.5	1.3
Virginia	5,065	164	9,049	140	365	126	14,479	148	.82	.2	-5.7	4.4
Washington	-	-	4,472	157	-	-	4,472	157	.91	-3.3	7.4	-1.2
West Virginia	32,783	156	44,514	140	24,188	126	101,485	142	1.18	11.9	-1.4	-7
Wyoming	255,925	118	12,993	98	-	-	268,918	117	.40	5.9	-1.3	*
Imported.....	4,053	157	647	189	-	-	4,699	161	.53	6.8	-6.0	-5.5
Total.....	401,147	131	309,715	132	151,106	119	861,967	129	1.07	4.2	-2.2	1.4

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

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

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

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

State of Destination State of Origin and Imports	Receipts (thousand short tons)		Contract Receipts (percent)		Sulfur Content (lbs. sulfur per MM Btu)		Price (cents per MM Btu)	
	1996	1995	1996	1995	1996	1995	1996	1995
Alabama	29,374	28,131	82.5	70.4	1.05	1.01	154	156
Alabama.....	16,320	15,523	93.8	94.5	.91	.90	178	179
Colorado.....	—	10	—	—	—	.34	—	127
Illinois.....	1,723	980	—	2.6	1.65	1.74	125	109
Kentucky.....	4,043	5,249	59.4	48.8	1.77	1.57	116	126
Ohio.....	93	—	—	—	3.43	—	119	—
Pennsylvania.....	333	38	100.0	—	1.75	1.23	112	121
Tennessee.....	673	675	100.0	97.0	.70	.69	133	132
Virginia.....	1	—	100.0	—	.51	—	131	—
West Virginia.....	2,541	2,731	74.9	69.6	1.12	.91	130	133
Wyoming.....	3,646	2,924	99.0	—	.32	.37	113	114
Arizona	15,027	15,762	87.2	87.7	.54	.51	144	139
Arizona.....	6,499	6,956	93.8	100.0	.49	.49	117	109
Colorado.....	167	—	—	—	.35	—	116	—
New Mexico.....	8,361	8,806	83.7	78.1	.58	.54	169	167
Arkansas	14,736	14,082	95.9	96.2	.38	.37	150	161
Arkansas.....	14,736	14,082	95.9	96.2	.38	.37	150	161
Colorado	16,416	16,503	91.3	94.6	.39	.40	103	105
Colorado.....	10,341	10,984	90.6	92.1	.42	.41	111	112
Montana.....	3	—	—	—	.23	—	96	—
Wyoming.....	6,072	5,519	92.5	99.6	.35	.37	85	86
Connecticut	931	841	97.0	100.0	.42	.43	191	188
Kentucky.....	903	836	100.0	100.0	.41	.43	191	188
West Virginia.....	—	5	—	100.0	—	.52	—	190
Imported coal Venezuela.....	28	—	—	—	.46	—	185	—
Delaware	1,745	1,720	84.4	77.6	.78	.76	159	162
Maryland.....	277	266	90.9	86.0	1.04	.99	150	151
Pennsylvania.....	391	353	51.3	20.8	1.08	1.09	146	149
Virginia.....	—	23	—	—	—	1.09	—	143
West Virginia.....	1,077	1,071	94.8	96.5	.59	.59	167	169
Imported coal Colombia.....	—	7	—	—	—	.57	—	180
Florida	26,700	24,202	63.8	72.3	1.27	1.20	174	179
Colorado.....	139	811	100.0	100.0	.37	.34	191	184
Illinois.....	6,392	5,961	60.6	60.7	1.90	1.90	182	179
Kentucky.....	14,431	12,508	59.9	70.7	1.21	1.13	172	176
Tennessee.....	—	120	—	100.0	—	.89	—	229
Virginia.....	856	703	100.0	100.0	.58	.55	213	213
West Virginia.....	1,768	1,518	57.3	76.3	1.25	.94	162	175
Wyoming.....	591	—	—	—	.24	—	142	—
Imported coal Colombia.....	1,417	1,341	100.0	91.0	.56	.57	153	151
Imported coal Indonesia.....	808	349	100.0	38.6	.30	.32	150	144
Imported coal Venezuela.....	298	891	100.0	100.0	.79	.75	232	232
Georgia	28,870	28,490	42.5	55.6	.72	.70	158	167
Alabama.....	373	133	—	—	1.53	1.52	134	133
Illinois.....	1,203	604	—	—	.99	.92	147	154
Kentucky.....	14,059	15,202	63.8	79.5	.80	.80	152	165
Tennessee.....	—	29	—	—	—	.99	—	158
Virginia.....	2,069	1,987	47.8	72.5	.69	.76	158	164
West Virginia.....	4,090	3,772	56.3	61.2	.57	.55	192	197
Wyoming.....	6,866	6,762	—	—	.47	.44	151	152
Imported coal Venezuela.....	210	—	—	—	.89	—	153	—
Illinois	37,441	33,905	86.0	86.2	1.18	1.14	163	163
Colorado.....	803	1,526	96.1	42.4	.46	.39	134	136
Illinois.....	13,365	11,879	87.4	93.0	2.41	2.38	126	135
Indiana.....	1,173	1,040	2.0	59.0	1.10	.80	140	151
Kentucky.....	391	1,027	91.8	86.6	.45	.51	172	166
Montana.....	2,162	2,685	100.0	99.1	.37	.39	250	250
Utah.....	1,846	1,648	29.8	21.0	.39	.37	137	139
West Virginia.....	—	19	—	—	—	.50	—	170
Wyoming.....	17,701	14,081	94.0	92.5	.35	.33	192	183
Indiana	51,680	49,676	68.9	79.3	1.54	1.52	119	125
Illinois.....	9,007	10,661	79.4	82.7	2.10	2.22	134	139
Indiana.....	18,893	16,297	46.4	61.7	2.19	2.11	107	118
Kentucky.....	750	756	84.7	94.4	1.38	1.29	130	136
Montana.....	869	734	100.0	100.0	.37	.39	243	260
Ohio.....	1,083	1,037	—	4.6	3.65	3.43	104	103
Pennsylvania.....	586	547	—	98.4	1.79	1.79	109	102
Virginia.....	950	1,014	100.0	100.0	.53	.53	155	152
West Virginia.....	1,049	570	51.8	88.6	1.30	.59	137	168
Wyoming.....	18,491	18,060	90.4	94.0	.36	.36	115	115

See footnotes at end of table.

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

State of Destination State of Origin and Imports	Receipts (thousand short tons)		Contract Receipts (percent)		Sulfur Content (lbs. sulfur per MM Btu)		Price (cents per MM Btu)	
	1996	1995	1996	1995	1996	1995	1996	1995
Iowa	18,116	18,095	82.8	64.8	0.51	0.56	94	99
Colorado.....	497	372	95.6	100.0	.56	.52	130	127
Illinois.....	164	770	51.3	54.6	1.75	2.07	115	113
Indiana.....	323	114	—	90.0	1.70	2.55	117	123
Kentucky.....	159	—	100.0	—	2.29	—	108	—
Montana.....	4	—	—	—	.43	—	111	—
Wyoming.....	16,970	16,840	84.2	64.4	.44	.46	92	97
Kansas	17,932	17,812	92.9	72.4	.56	.49	99	102
Colorado.....	1,467	1,424	100.0	100.0	.42	.34	122	119
Illinois.....	207	138	86.9	93.1	2.50	2.02	174	339
Kansas.....	86	90	100.0	100.0	1.86	2.32	131	128
Missouri.....	414	214	74.9	—	3.57	3.48	101	112
Wyoming.....	15,758	15,946	92.7	70.5	.43	.43	95	97
Kentucky	38,383	36,891	71.0	72.7	2.14	2.08	106	111
Colorado.....	2,434	1,792	81.8	90.7	.40	.42	126	121
Illinois.....	75	285	42.4	7.7	2.47	3.27	98	93
Indiana.....	2,950	2,431	97.3	84.1	2.84	2.47	89	102
Kentucky.....	26,369	26,993	69.9	73.2	2.46	2.34	104	110
Ohio.....	367	534	36.0	37.2	3.29	3.24	94	95
Pennsylvania.....	396	537	5.0	—	1.25	1.51	102	102
Tennessee.....	—	9	—	—	—	1.99	—	116
Utah.....	44	12	100.0	99.2	.38	.52	130	144
West Virginia.....	5,629	4,298	66.2	72.8	1.16	.90	113	116
Wyoming.....	119	—	—	—	.77	—	95	—
Louisiana	12,504	13,409	100.0	100.0	.70	.72	151	155
Louisiana.....	3,213	3,425	100.0	100.0	1.38	1.66	138	132
Wyoming.....	9,291	9,984	100.0	100.0	.51	.46	155	161
Maryland	10,949	9,901	61.6	69.6	.86	.82	149	150
Kentucky.....	717	667	70.6	69.6	.57	.55	152	153
Maryland.....	903	1,098	72.8	61.6	1.08	1.09	167	159
Pennsylvania.....	1,435	1,574	52.5	60.4	1.10	1.02	155	151
Virginia.....	—	394	—	100.0	—	.52	—	180
West Virginia.....	7,894	6,168	61.1	71.5	.82	.76	146	146
Massachusetts	4,693	3,859	88.1	72.8	.56	.56	169	168
Kentucky.....	457	418	68.4	55.6	.51	.49	182	182
Pennsylvania.....	225	213	84.4	100.0	1.04	1.04	159	157
Virginia.....	2	—	—	—	.56	—	212	—
West Virginia.....	2,243	1,767	86.4	71.1	.56	.56	174	173
Imported coal Colombia.....	630	558	88.8	52.9	.48	.49	162	157
Imported coal Venezuela.....	1,135	904	100.0	89.8	.53	.52	159	161
Michigan	30,177	31,214	78.0	82.0	.60	.59	140	145
Colorado.....	606	606	100.0	92.7	.45	.45	133	140
Illinois.....	29	49	—	—	.78	.87	147	149
Indiana.....	176	177	100.0	100.0	1.56	1.77	134	133
Kentucky.....	4,011	5,138	79.4	83.6	.74	.68	164	168
Montana.....	10,155	9,180	92.8	99.5	.41	.40	149	153
Ohio.....	37	133	100.0	100.0	2.47	2.56	143	173
Pennsylvania.....	1,932	2,357	80.9	60.4	1.21	1.13	119	136
Utah.....	—	17	—	—	—	.47	—	142
Virginia.....	7	76	100.0	—	.72	.64	220	150
West Virginia.....	5,025	5,066	70.4	82.6	.87	.74	153	155
Wyoming.....	8,199	8,414	61.1	67.7	.29	.32	107	111
Minnesota	16,744	16,862	94.0	95.8	.50	.53	107	114
Illinois.....	69	36	100.0	87.4	1.24	1.18	163	173
Kentucky.....	—	2	—	—	—	.67	—	209
Montana.....	8,999	9,309	94.7	97.1	.65	.71	107	117
New Mexico.....	1	—	—	—	.59	—	70	—
Pennsylvania.....	23	3	—	—	1.85	1.88	151	140
West Virginia.....	*	3	—	—	1.23	1.88	125	163
Wyoming.....	7,652	7,508	93.4	94.2	.32	.30	105	110
Mississippi	5,428	4,271	87.2	88.2	.84	.92	151	153
Colorado.....	519	963	97.8	98.8	.40	.38	159	161
Illinois.....	1,703	1,236	73.3	60.2	1.39	1.89	131	123
Kentucky.....	1,029	803	89.8	100.0	.82	.65	196	208
Montana.....	2,163	1,269	94.9	100.0	.42	.40	141	140
Wyoming.....	13	—	—	—	.50	—	129	—
Missouri	33,718	30,819	86.9	84.0	.64	.62	95	98
Colorado.....	—	395	—	100.0	—	.40	—	160
Illinois.....	3,924	4,168	92.6	97.7	2.33	2.03	135	135

See footnotes at end of table.

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

State of Destination State of Origin and Imports	Receipts (thousand short tons)		Contract Receipts (percent)		Sulfur Content (lbs. sulfur per MM Btu)		Price (cents per MM Btu)	
	1996	1995	1996	1995	1996	1995	1996	1995
Missouri								
Indiana	87	19	-	100.0	1.20	2.68	138	118
Kansas	68	226	100.0	100.0	2.54	2.97	133	130
Kentucky	52	36	100.0	100.0	.68	.67	210	207
Missouri	136	20	98.8	55.9	2.79	3.37	126	110
Utah	-	388	-	100.0	-	.36	-	146
Wyoming	29,450	25,566	86.3	81.1	.32	.30	88	88
Montana	7,877	9,313	100.0	100.0	.81	.80	71	67
Montana	7,442	9,313	100.0	100.0	.84	.80	71	67
Wyoming	435	-	100.0	-	.29	-	57	-
Nebraska	10,275	10,063	66.7	69.1	.40	.39	72	75
Colorado	-	11	-	-	-	.37	-	110
Montana	2	*	-	-	.43	.43	104	103
Wyoming	10,272	10,051	66.7	69.2	.40	.39	72	75
Nevada	7,304	7,422	95.0	100.0	.44	.44	137	131
Arizona	4,470	4,826	100.0	100.0	.46	.47	131	117
Colorado	286	244	100.0	100.0	.43	.43	124	130
Utah	2,343	2,010	84.3	100.0	.39	.35	144	152
Wyoming	206	341	100.0	100.0	.52	.51	180	207
New Hampshire	1,324	1,372	71.0	70.9	1.19	1.05	161	159
Kentucky	15	-	-	-	.70	-	194	-
Pennsylvania	759	759	87.5	98.8	1.16	1.12	162	161
Virginia	16	19	100.0	-	.52	.49	200	203
West Virginia	379	297	68.2	75.1	1.57	1.45	150	147
Imported coal Colombia	32	134	-	-	.54	.48	162	163
Imported coal Indonesia	26	80	-	-	.58	.42	162	168
Imported coal Venezuela	96	82	-	-	.43	.54	181	157
New Jersey	2,402	2,160	95.4	96.6	1.05	.91	175	178
Kentucky	173	436	95.4	99.6	.51	.49	178	191
Virginia	636	689	96.0	100.0	.55	.55	182	175
West Virginia	1,593	1,035	95.2	93.0	1.32	1.35	172	173
New Mexico	14,808	14,671	100.0	100.0	.87	.88	143	142
New Mexico	14,808	14,671	100.0	100.0	.87	.88	143	142
New York	7,896	7,575	88.1	79.3	1.38	1.37	143	141
Kentucky	1,191	854	88.5	97.8	.49	.45	192	198
Ohio	21	12	-	-	3.36	3.31	122	113
Pennsylvania	3,143	3,244	81.7	63.3	1.38	1.29	132	134
West Virginia	3,539	3,438	94.1	90.8	1.67	1.68	136	133
Imported coal Venezuela	-	28	-	-	-	.42	-	224
North Carolina	24,646	19,792	71.8	84.7	.72	.69	148	163
Kentucky	14,713	10,286	67.1	79.4	.76	.70	145	160
Virginia	1,343	3,282	62.3	89.2	.86	.83	128	162
West Virginia	8,590	6,224	81.5	91.1	.63	.59	158	168
North Dakota	23,586	22,294	100.0	100.0	1.09	1.12	74	73
Montana	34	-	100.0	-	.37	-	67	-
North Dakota	23,552	22,294	100.0	100.0	1.09	1.12	74	73
Ohio	51,948	47,768	70.8	77.9	1.72	1.56	134	142
Illinois	9	-	-	-	2.48	-	107	-
Indiana	14	14	-	-	2.07	2.75	107	85
Kentucky	8,502	11,476	68.4	73.5	.81	.75	135	147
Montana	25	-	-	-	.30	-	150	-
Ohio	20,836	17,333	76.3	82.3	2.95	2.88	135	143
Pennsylvania	3,410	2,641	67.3	73.3	1.24	1.22	120	122
Virginia	-	89	-	-	-	.67	-	147
West Virginia	18,980	16,215	67.3	77.7	.91	.83	136	141
Wyoming	172	-	-	-	.65	-	157	-
Oklahoma	19,571	19,713	98.8	58.9	.38	.43	98	99
Oklahoma	105	146	100.0	100.0	2.38	2.15	109	111
Wyoming	19,466	19,568	98.8	58.6	.37	.41	98	99
Oregon	838	1,200	-	-	.30	.34	107	106
Wyoming	838	1,200	-	-	.30	.34	107	106
Pennsylvania	40,759	38,453	71.4	68.6	1.70	1.72	138	136
Ohio	732	1,127	89.5	82.4	2.97	2.77	166	155
Pennsylvania	31,811	28,838	65.2	59.3	1.51	1.48	135	132
Utah	-	9	-	-	-	.41	-	185
West Virginia	8,216	8,479	93.7	98.4	2.32	2.41	150	145
South Carolina	10,951	9,771	70.0	83.7	.95	.92	147	151
Kentucky	9,561	8,630	68.0	82.3	.91	.92	146	151
Tennessee	147	-	12.4	-	1.23	-	148	-

See footnotes at end of table.

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

State of Destination State of Origin and Imports	Receipts (thousand short tons)		Contract Receipts (percent)		Sulfur Content (lbs. sulfur per MM Btu)		Price (cents per MM Btu)	
	1996	1995	1996	1995	1996	1995	1996	1995
South Carolina								
Virginia.....	1,243	1,096	92.7	97.0	1.20	1.00	154	154
West Virginia.....	—	45	—	17.9	—	.66	—	152
South Dakota	1,307	1,877	100.0	100.0	.57	1.25	94	103
Montana.....	1,307	514	100.0	100.0	.57	.67	94	96
North Dakota.....	—	1,363	—	100.0	—	1.56	—	107
Tennessee	23,649	24,100	71.8	71.1	1.55	1.63	115	115
Colorado.....	1,020	325	—	—	.44	.44	108	110
Illinois.....	3,756	3,949	47.2	38.3	1.60	1.84	114	110
Indiana.....	122	9	—	100.0	1.10	1.42	117	115
Kentucky.....	12,919	16,179	79.0	76.9	1.90	1.74	112	116
Pennsylvania.....	360	616	100.0	88.2	1.62	1.77	113	109
Tennessee.....	2,092	1,078	97.6	93.1	1.06	.94	119	122
Utah.....	1,860	1,134	68.9	85.0	.40	.42	122	118
Virginia.....	1,331	658	99.1	100.0	1.34	1.31	124	125
West Virginia.....	11	153	—	—	3.26	1.69	101	113
Wyoming.....	178	—	—	—	.66	—	107	—
Texas	94,176	89,602	93.2	96.3	.95	1.04	129	134
Colorado.....	1,835	1,747	—	38.0	.37	.38	134	169
Texas.....	51,266	49,956	100.0	100.0	1.56	1.72	100	102
Wyoming.....	41,076	37,899	89.0	94.1	.42	.42	157	163
Utah	13,695	13,524	95.3	95.4	.41	.41	107	109
Colorado.....	1,276	882	100.0	100.0	.38	.44	179	212
Utah.....	12,420	12,642	94.9	95.1	.41	.41	100	103
Virginia	11,024	8,624	76.6	80.5	.78	.80	142	145
Kentucky.....	2,792	2,654	64.8	77.3	.87	.91	147	145
Maryland.....	12	—	—	—	1.32	—	149	—
Virginia.....	6,024	4,423	79.3	91.6	.77	.79	138	142
West Virginia.....	2,195	1,547	84.5	54.0	.71	.67	147	151
Washington	4,580	5,310	97.6	87.1	.89	.83	157	144
Montana.....	90	583	—	—	.33	.36	135	126
Utah.....	—	77	—	—	—	.29	—	125
Washington.....	4,472	4,626	100.0	100.0	.91	.92	157	147
Wyoming.....	*	—	—	—	.30	—	109	—
Imported coal Canada.....	18	24	—	—	.45	.47	175	166
West Virginia	31,438	30,402	77.7	76.1	1.56	1.59	125	127
Kentucky.....	161	496	78.1	94.9	.76	.67	181	185
Maryland.....	1,950	1,858	73.7	89.6	1.33	1.26	122	125
Ohio.....	1,580	1,189	51.5	—	3.28	3.24	77	83
Pennsylvania.....	1,082	608	69.7	9.4	1.26	1.48	132	102
West Virginia.....	26,665	26,251	79.8	79.8	1.49	1.56	127	129
Wisconsin	22,804	21,456	74.9	55.6	.50	.49	106	114
Colorado.....	292	106	13.2	23.6	.44	.42	134	149
Illinois.....	756	1,232	—	—	.87	.86	129	135
Indiana.....	142	46	—	—	1.22	1.27	135	137
Kentucky.....	34	95	—	—	.59	.62	179	168
Montana.....	2,162	2,102	96.0	—	.60	.66	105	104
New Mexico.....	744	1,578	100.0	100.0	.45	.41	152	158
Pennsylvania.....	1,317	941	60.6	86.9	1.23	1.15	145	148
Utah.....	186	74	—	—	.39	.45	161	154
West Virginia.....	—	57	—	—	—	.51	—	153
Wyoming.....	17,171	15,223	78.2	62.4	.37	.37	95	101
Wyoming	23,547	23,955	98.8	86.9	.60	.57	82	82
Wyoming.....	23,547	23,955	98.8	86.9	.60	.57	82	82
U.S. Total	861,967	826,860	81.1	80.8	1.07	1.05	129	132

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

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

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

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

State of Origin and Imports State of Destination	Receipts (thousand short tons)		Contract Receipts (percent)		Sulfur Content (lbs. sulfur per MM Btu)		Price (cents per MM Btu)	
	1996	1995	1996	1995	1996	1995	1996	1995
Alabama	16,693	15,656	91.7	93.7	0.92	0.90	177	179
Alabama.....	16,320	15,523	93.8	94.5	.91	.90	178	179
Georgia.....	373	133	-	-	1.53	1.52	134	133
Arizona	10,969	11,782	96.4	100.0	.48	.48	123	112
Arizona.....	6,499	6,956	93.8	100.0	.49	.49	117	109
Nevada.....	4,470	4,826	100.0	100.0	.46	.47	131	117
Colorado	21,681	22,198	78.1	84.3	.42	.40	123	131
Alabama.....	-	10	-	-	-	.34	-	127
Arizona.....	167	-	-	-	.35	-	116	-
Colorado.....	10,341	10,984	90.6	92.1	.42	.41	111	112
Florida.....	139	811	100.0	100.0	.37	.34	191	184
Illinois.....	803	1,526	96.1	42.4	.46	.39	134	136
Iowa.....	497	372	95.6	100.0	.56	.52	130	127
Kansas.....	1,467	1,424	100.0	100.0	.42	.34	122	119
Kentucky.....	2,434	1,792	81.8	90.7	.40	.42	126	121
Michigan.....	606	606	100.0	92.7	.45	.45	133	140
Mississippi.....	519	963	97.8	98.8	.40	.38	159	161
Missouri.....	-	395	-	100.0	-	.40	-	160
Nebraska.....	-	11	-	-	-	.37	-	110
Nevada.....	286	244	100.0	100.0	.43	.43	124	130
Tennessee.....	1,020	325	-	-	.44	.44	108	110
Texas.....	1,835	1,747	-	38.0	.37	.38	134	169
Utah.....	1,276	882	100.0	100.0	.38	.44	179	212
Wisconsin.....	292	106	13.2	23.6	.44	.42	134	149
Illinois	42,382	41,949	70.1	72.6	2.03	2.07	137	139
Alabama.....	1,723	980	-	2.6	1.65	1.74	125	109
Florida.....	6,392	5,961	60.6	60.7	1.90	1.90	182	179
Georgia.....	1,203	604	-	-	.99	.92	147	154
Illinois.....	13,365	11,879	87.4	93.0	2.41	2.38	126	135
Indiana.....	9,007	10,661	79.4	82.7	2.10	2.22	134	139
Iowa.....	164	770	51.3	54.6	1.75	2.07	115	113
Kansas.....	207	138	86.9	93.1	2.50	2.02	174	339
Kentucky.....	75	285	42.4	7.7	2.47	3.27	98	93
Michigan.....	29	49	-	-	.78	.87	147	149
Minnesota.....	69	36	100.0	87.4	1.24	1.18	163	173
Mississippi.....	1,703	1,236	73.3	60.2	1.39	1.89	131	123
Missouri.....	3,924	4,168	92.6	97.7	2.33	2.03	135	135
Ohio.....	9	-	-	-	2.48	-	107	-
Tennessee.....	3,756	3,949	47.2	38.3	1.60	1.84	114	110
Wisconsin.....	756	1,232	-	-	.87	.86	129	135
Indiana	23,880	20,147	49.5	64.6	2.19	2.08	107	118
Illinois.....	1,173	1,040	2.0	59.0	1.10	.80	140	151
Indiana.....	18,893	16,297	46.4	61.7	2.19	2.11	107	118
Iowa.....	323	114	-	90.0	1.70	2.55	117	123
Kentucky.....	2,950	2,431	97.3	84.1	2.84	2.47	89	102
Michigan.....	176	177	100.0	100.0	1.56	1.77	134	133
Missouri.....	87	19	-	100.0	1.20	2.68	138	118
Ohio.....	14	14	-	-	2.07	2.75	107	85
Tennessee.....	122	9	-	100.0	1.10	1.42	117	115
Wisconsin.....	142	46	-	-	1.22	1.27	135	137
Kansas	154	316	100.0	100.0	2.15	2.78	132	129
Kansas.....	86	90	100.0	100.0	1.86	2.32	131	128
Missouri.....	68	226	100.0	100.0	2.54	2.97	133	130
Kentucky	117,433	120,742	69.0	75.8	1.35	1.30	138	144
Alabama.....	4,043	5,249	59.4	48.8	1.77	1.57	116	126
Connecticut.....	903	836	100.0	100.0	.41	.43	191	188
Florida.....	14,431	12,508	59.9	70.7	1.21	1.13	172	176
Georgia.....	14,059	15,202	63.8	79.5	.80	.80	152	165
Illinois.....	391	1,027	91.8	86.6	.45	.51	172	166
Indiana.....	750	756	84.7	94.4	1.38	1.29	130	136
Iowa.....	159	-	100.0	-	2.29	-	108	-
Kentucky.....	26,369	26,993	69.9	73.2	2.46	2.34	104	110
Maryland.....	717	667	70.6	69.6	.57	.55	152	153
Massachusetts.....	457	418	68.4	55.6	.51	.49	182	182
Michigan.....	4,011	5,138	79.4	83.6	.74	.68	164	168
Minnesota.....	-	2	-	-	-	.67	-	209
Mississippi.....	1,029	803	89.8	100.0	.82	.65	196	208
Missouri.....	52	36	100.0	100.0	.68	.67	210	207
New Hampshire.....	15	-	-	-	.70	-	194	-

See footnotes at end of table.

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

State of Origin and Imports State of Destination	Receipts (thousand short tons)		Contract Receipts (percent)		Sulfur Content (lbs. sulfur per MM Btu)		Price (cents per MM Btu)	
	1996	1995	1996	1995	1996	1995	1996	1995
Kentucky								
New Jersey	173	436	95.4	99.6	0.51	0.49	178	191
New York	1,191	854	88.5	97.8	.49	.45	192	198
North Carolina.....	14,713	10,286	67.1	79.4	.76	.70	145	160
Ohio	8,502	11,476	68.4	73.5	.81	.75	135	147
South Carolina.....	9,561	8,630	68.0	82.3	.91	.92	146	151
Tennessee	12,919	16,179	79.0	76.9	1.90	1.74	112	116
Virginia.....	2,792	2,654	64.8	77.3	.87	.91	147	145
West Virginia.....	161	496	78.1	94.9	.76	.67	181	185
Wisconsin.....	34	95	-	-	.59	.62	179	168
Louisiana	3,213	3,425	100.0	100.0	1.38	1.66	138	132
Louisiana	3,213	3,425	100.0	100.0	1.38	1.66	138	132
Maryland	3,143	3,222	74.7	79.8	1.23	1.18	138	139
Delaware.....	277	266	90.9	86.0	1.04	.99	150	151
Maryland.....	903	1,098	72.8	61.6	1.08	1.09	167	159
Virginia.....	12	-	-	-	1.32	-	149	-
West Virginia.....	1,950	1,858	73.7	89.6	1.33	1.26	122	125
Missouri	550	234	80.8	4.7	3.37	3.47	108	112
Kansas.....	414	214	74.9	-	3.57	3.48	101	112
Missouri.....	136	20	98.8	55.9	2.79	3.37	126	110
Montana	35,417	35,690	95.7	91.5	.57	.59	127	128
Colorado	3	-	-	-	.23	-	96	-
Illinois.....	2,162	2,685	100.0	99.1	.37	.39	250	250
Indiana	869	734	100.0	100.0	.37	.39	243	260
Iowa	4	-	-	-	.43	-	111	-
Michigan.....	10,155	9,180	92.8	99.5	.41	.40	149	153
Minnesota.....	8,999	9,309	94.7	97.1	.65	.71	107	117
Mississippi.....	2,163	1,269	94.9	100.0	.42	.40	141	140
Montana.....	7,442	9,313	100.0	100.0	.84	.80	71	67
Nebraska.....	2	*	-	-	.43	.43	104	103
North Dakota.....	34	-	100.0	-	.37	-	67	-
Ohio.....	25	-	-	-	.30	-	150	-
South Dakota.....	1,307	514	100.0	100.0	.57	.67	94	96
Washington.....	90	583	-	-	.33	.36	135	126
Wisconsin.....	2,162	2,102	96.0	-	.60	.66	105	104
New Mexico	23,914	25,055	94.3	92.3	.75	.72	153	152
Arizona	8,361	8,806	83.7	78.1	.58	.54	169	167
Minnesota.....	1	-	-	-	.59	-	70	-
New Mexico.....	14,808	14,671	100.0	100.0	.87	.88	143	142
Wisconsin.....	744	1,578	100.0	100.0	.45	.41	152	158
North Dakota	23,552	23,657	100.0	100.0	1.09	1.15	74	75
North Dakota.....	23,552	22,294	100.0	100.0	1.09	1.12	74	73
South Dakota.....	-	1,363	-	100.0	-	1.56	-	107
Ohio	24,750	21,366	70.9	72.9	3.01	2.93	130	138
Alabama.....	93	-	-	-	3.43	-	119	-
Indiana.....	1,083	1,037	-	4.6	3.65	3.43	104	103
Kentucky.....	367	534	36.0	37.2	3.29	3.24	94	95
Michigan.....	37	133	100.0	100.0	2.47	2.56	143	173
New York.....	21	12	-	-	3.36	3.31	122	113
Ohio.....	20,836	17,333	76.3	82.3	2.95	2.88	135	143
Pennsylvania.....	732	1,127	89.5	82.4	2.97	2.77	166	155
West Virginia.....	1,580	1,189	51.5	-	3.28	3.24	77	83
Oklahoma	105	146	100.0	100.0	2.38	2.15	109	111
Oklahoma.....	105	146	100.0	100.0	2.38	2.15	109	111
Pennsylvania	47,203	43,269	66.2	61.1	1.43	1.40	133	132
Alabama.....	333	38	100.0	-	1.75	1.23	112	121
Delaware.....	391	353	51.3	20.8	1.08	1.09	146	149
Indiana.....	586	547	-	98.4	1.79	1.79	109	102
Kentucky.....	396	537	5.0	-	1.25	1.51	102	102
Maryland.....	1,435	1,574	52.5	60.4	1.10	1.02	155	151
Massachusetts.....	225	213	84.4	100.0	1.04	1.04	159	157
Michigan.....	1,932	2,357	80.9	60.4	1.21	1.13	119	136
Minnesota.....	23	3	-	-	1.85	1.88	151	140
New Hampshire.....	759	759	87.5	98.8	1.16	1.12	162	161
New York.....	3,143	3,244	81.7	63.3	1.38	1.29	132	134
Ohio.....	3,410	2,641	67.3	73.3	1.24	1.22	120	122
Pennsylvania.....	31,811	28,838	65.2	59.3	1.51	1.48	135	132
Tennessee.....	360	616	100.0	88.2	1.62	1.77	113	109
West Virginia.....	1,082	608	69.7	9.4	1.26	1.48	132	102
Wisconsin.....	1,317	941	60.6	86.9	1.23	1.15	145	148

See footnotes at end of table.

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

State of Origin and Imports State of Destination	Receipts (thousand short tons)		Contract Receipts (percent)		Sulfur Content (lbs. sulfur per MM Btu)		Price (cents per MM Btu)	
	1996	1995	1996	1995	1996	1995	1996	1995
Tennessee	2,911	1,911	93.8	93.1	0.99	0.86	123	133
Alabama.....	673	675	100.0	97.0	.70	.69	133	132
Florida.....	-	120	-	100.0	-	.89	-	229
Georgia.....	-	29	-	-	-	.99	-	158
Kentucky.....	-	9	-	-	-	1.99	-	116
South Carolina.....	147	-	12.4	-	1.23	-	148	-
Tennessee.....	2,092	1,078	97.6	93.1	1.06	.94	119	122
Texas	51,266	49,956	100.0	100.0	1.56	1.72	100	102
Texas.....	51,266	49,956	100.0	100.0	1.56	1.72	100	102
Utah	18,698	18,012	83.6	87.4	.40	.40	112	114
Illinois.....	1,846	1,648	29.8	21.0	.39	.37	137	139
Kentucky.....	44	12	100.0	99.2	.38	.52	130	144
Michigan.....	-	17	-	-	-	.47	-	142
Missouri.....	-	388	-	100.0	-	.36	-	146
Nevada.....	2,343	2,010	84.3	100.0	.39	.35	144	152
Pennsylvania.....	-	9	-	-	-	.41	-	185
Tennessee.....	1,860	1,134	68.9	85.0	.40	.42	122	118
Utah.....	12,420	12,642	94.9	95.1	.41	.41	100	103
Washington.....	-	77	-	-	-	.29	-	125
Wisconsin.....	186	74	-	-	.39	.45	161	154
Virginia	14,479	14,454	79.5	89.6	.82	.78	148	157
Alabama.....	1	-	100.0	-	.51	-	131	-
Delaware.....	-	23	-	-	-	1.09	-	143
Florida.....	856	703	100.0	100.0	.58	.55	213	213
Georgia.....	2,069	1,987	47.8	72.5	.69	.76	158	164
Indiana.....	950	1,014	100.0	100.0	.53	.53	155	152
Maryland.....	-	394	-	100.0	-	.52	-	180
Massachusetts.....	2	-	-	-	.56	-	212	-
Michigan.....	7	76	100.0	-	.72	.64	220	150
New Hampshire.....	16	19	100.0	-	.52	.49	200	203
New Jersey.....	636	689	96.0	100.0	.55	.55	182	175
North Carolina.....	1,343	3,282	62.3	89.2	.86	.83	128	162
Ohio.....	-	89	-	-	-	.67	-	147
South Carolina.....	1,243	1,096	92.7	97.0	1.20	1.00	154	154
Tennessee.....	1,331	658	99.1	100.0	1.34	1.31	124	125
Virginia.....	6,024	4,423	79.3	91.6	.77	.79	138	142
Washington	4,472	4,626	100.0	100.0	.91	.92	157	147
Washington.....	4,472	4,626	100.0	100.0	.91	.92	157	147
West Virginia	101,485	90,728	75.4	80.0	1.18	1.19	142	144
Alabama.....	2,541	2,731	74.9	69.6	1.12	.91	130	133
Connecticut.....	-	5	-	100.0	-	.52	-	190
Delaware.....	1,077	1,071	94.8	96.5	.59	.59	167	169
Florida.....	1,768	1,518	57.3	76.3	1.25	.94	162	175
Georgia.....	4,090	3,772	56.3	61.2	.57	.55	192	197
Illinois.....	-	19	-	-	-	.50	-	170
Indiana.....	1,049	570	51.8	88.6	1.30	.59	137	168
Kentucky.....	5,629	4,298	66.2	72.8	1.16	.90	113	116
Maryland.....	7,894	6,168	61.1	71.5	.82	.76	146	146
Massachusetts.....	2,243	1,767	86.4	71.1	.56	.56	174	173
Michigan.....	5,025	5,066	70.4	82.6	.87	.74	153	155
Minnesota.....	*	3	-	-	1.23	1.88	125	163
New Hampshire.....	379	297	68.2	75.1	1.57	1.45	150	147
New Jersey.....	1,593	1,035	95.2	93.0	1.32	1.35	172	173
New York.....	3,539	3,438	94.1	90.8	1.67	1.68	136	133
North Carolina.....	8,590	6,224	81.5	91.1	.63	.59	158	168
Ohio.....	18,980	16,215	67.3	77.7	.91	.83	136	141
Pennsylvania.....	8,216	8,479	93.7	98.4	2.32	2.41	150	145
South Carolina.....	-	45	-	17.9	-	.66	-	152
Tennessee.....	11	153	-	-	3.26	1.69	101	113
Virginia.....	2,195	1,547	84.5	54.0	.71	.67	147	151
West Virginia.....	26,665	26,251	79.8	79.8	1.49	1.56	127	129
Wisconsin.....	-	57	-	-	-	.51	-	153
Wyoming	268,918	253,922	86.4	78.5	.40	.40	117	118
Alabama.....	3,646	2,924	99.0	-	.32	.37	113	114
Arkansas.....	14,736	14,082	95.9	96.2	.38	.37	150	161
Colorado.....	6,072	5,519	92.5	99.6	.35	.37	85	86
Florida.....	591	-	-	-	.24	-	142	-
Georgia.....	6,866	6,762	-	-	.47	.44	151	152
Illinois.....	17,701	14,081	94.0	92.5	.35	.33	192	183

See footnotes at end of table.

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

State of Origin and Imports State of Destination	Receipts (thousand short tons)		Contract Receipts (percent)		Sulfur Content (lbs. sulfur per MM Btu)		Price (cents per MM Btu)	
	1996	1995	1996	1995	1996	1995	1996	1995
Wyoming								
Indiana	18,491	18,060	90.4	94.0	0.36	0.36	115	115
Iowa	16,970	16,840	84.2	64.4	.44	.46	92	97
Kansas.....	15,758	15,946	92.7	70.5	.43	.43	95	97
Kentucky.....	119	—	—	—	.77	—	95	—
Louisiana	9,291	9,984	100.0	100.0	.51	.46	155	161
Michigan.....	8,199	8,414	61.1	67.7	.29	.32	107	111
Minnesota.....	7,652	7,508	93.4	94.2	.32	.30	105	110
Mississippi.....	13	—	—	—	.50	—	129	—
Missouri.....	29,450	25,566	86.3	81.1	.32	.30	88	88
Montana.....	435	—	100.0	—	.29	—	57	—
Nebraska.....	10,272	10,051	66.7	69.2	.40	.39	72	75
Nevada.....	206	341	100.0	100.0	.52	.51	180	207
Ohio.....	172	—	—	—	.65	—	157	—
Oklahoma.....	19,466	19,568	98.8	58.6	.37	.41	98	99
Oregon.....	838	1,200	—	—	.30	.34	107	106
Tennessee.....	178	—	—	—	.66	—	107	—
Texas.....	41,076	37,899	89.0	94.1	.42	.42	157	163
Washington.....	*	—	—	—	.30	—	109	—
Wisconsin.....	17,171	15,223	78.2	62.4	.37	.37	95	101
Wyoming.....	23,547	23,955	98.8	86.9	.60	.57	82	82
Imported Coal.....	4,699	4,398	89.8	76.3	.53	.56	161	172
Canada.....	18	24	—	—	.45	.47	175	166
Washington.....	18	24	—	—	.45	.47	175	166
Colombia.....	2,080	2,040	95.1	74.3	.54	.54	156	154
Delaware.....	—	7	—	—	—	.57	—	180
Florida.....	1,417	1,341	100.0	91.0	.56	.57	153	151
Massachusetts.....	630	558	88.8	52.9	.48	.49	162	157
New Hampshire.....	32	134	—	—	.54	.48	162	163
Venezuela.....	1,768	1,906	81.1	89.4	.60	.63	172	194
Connecticut.....	28	—	—	—	.46	—	185	—
Florida.....	298	891	100.0	100.0	.79	.75	232	232
Georgia.....	210	—	—	—	.89	—	153	—
Massachusetts.....	1,135	904	100.0	89.8	.53	.52	159	161
New Hampshire.....	96	82	—	—	.43	.54	181	157
New York.....	—	28	—	—	—	.42	—	224
Indonesia.....	834	429	96.9	31.4	.32	.34	150	149
Florida.....	808	349	100.0	38.6	.30	.32	150	144
New Hampshire.....	26	80	—	—	.58	.42	162	168
U.S. Total.....	861,967	826,860	81.1	80.8	1.07	1.05	129	132

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

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

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

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

Coal Receipts	October - December 1996	July - September 1996	October - December 1995	Year to Date		
				1996	1995	Percent Change
By State						
Alabama.....	759	795	758	3,213	3,183	0.9
Illinois.....	w	w	w	w	w	w
Indiana.....	1,450	1,301	1,416	5,884	5,731	2.7
Kentucky.....	w	w	w	w	w	w
Michigan.....	w	w	w	w	w	w
New York.....	w	w	w	w	w	w
Ohio.....	465	441	616	1,770	2,758	-35.8
Pennsylvania.....	2,552	2,850	2,842	10,562	10,959	-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.....	1,048	1,010	1,035	4,135	4,189	-1.3
Furnace Coke Plants.....	6,568	7,177	7,414	27,537	28,848	-4.5
U.S. Total.....	7,616	8,187	8,449	31,672	33,036	-4.1

^w Withheld to avoid disclosure of individual company data.

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

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

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

Average Price ¹	October - December 1996	July - September 1996	October - December 1995	Year to Date		
				1996	1995	Percent Change
By State						
Alabama.....	\$49.37	\$49.35	\$48.39	\$49.37	\$48.42	2.0
Illinois.....	w	w	w	w	w	w
Indiana.....	\$50.70	\$52.03	\$53.53	\$51.93	\$52.74	-1.5
Kentucky.....	w	w	w	w	w	w
Michigan.....	w	w	w	w	w	w
New York.....	w	w	w	w	w	w
Ohio.....	\$45.16	\$45.78	\$42.47	\$44.98	\$42.19	6.6
Pennsylvania.....	45.78	43.06	46.49	45.17	46.11	-2.0
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.....	\$48.84	\$48.62	\$48.20	\$48.92	\$48.29	1.3
Furnace Coke Plants.....	47.30	45.65	47.47	47.09	47.20	-2
U.S. Total.....	47.51	46.02	47.56	47.33	47.34	*

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

* Rounded to zero.

^w Withheld to avoid disclosure of individual company data.

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

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

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

Census Division and State	October - December 1996	July - September 1996	October - December 1995	Year to Date		
				1996	1995	Percent Change
New England Total	80	51	88	268	342	-21.7
Connecticut.....	-	-	-	-	*	-
Maine.....	w	w	w	w	w	w
Massachusetts.....	w	w	w	w	w	w
New Hampshire.....	-	-	*	-	*	-
Rhode Island.....	-	-	-	-	-	-
Vermont.....	-	-	-	-	-	-
Middle Atlantic Total	w	w	w	w	w	w
New Jersey.....	w	w	w	w	w	w
New York.....	397	441	387	1,468	1,298	13.1
Pennsylvania.....	1,118	1,089	1,015	4,311	3,942	9.4
East North Central Total	4,678	4,188	4,104	16,842	15,741	7.0
Illinois.....	1,062	900	937	3,800	3,553	6.9
Indiana.....	1,329	1,245	1,105	4,911	4,126	19.0
Michigan.....	870	765	654	2,773	2,562	8.3
Ohio.....	953	839	941	3,673	3,593	2.2
Wisconsin.....	465	438	466	1,684	1,907	-11.7
West North Central Total	3,586	3,390	3,311	13,482	13,556	-5
Iowa.....	581	867	629	2,789	2,745	1.6
Kansas.....	42	41	36	162	134	21.0
Minnesota.....	596	406	298	1,979	1,389	42.5
Missouri.....	307	284	280	1,142	1,081	5.6
Nebraska.....	w	w	w	w	w	w
North Dakota.....	w	w	w	w	w	w
South Dakota.....	113	102	102	391	422	-7.3
South Atlantic Total	w	w	w	w	w	w
Delaware.....	w	w	w	w	w	w
District of Columbia.....	-	-	-	-	-	-
Florida.....	323	346	337	1,272	1,275	-2
Georgia.....	519	447	491	1,970	1,934	1.8
Maryland.....	200	182	186	764	748	2.1
North Carolina.....	558	506	571	2,255	2,397	-6.0
South Carolina.....	544	485	541	2,024	2,070	-2.2
Virginia.....	663	596	699	2,549	2,612	-2.4
West Virginia.....	404	441	486	1,700	1,958	-13.2
East South Central Total	w	w	w	w	w	w
Alabama.....	621	630	587	2,551	2,248	13.5
Kentucky.....	485	457	649	1,948	2,258	-13.7
Mississippi.....	w	w	w	w	w	w
Tennessee.....	948	875	936	3,679	3,734	-1.5
West South Central Total	1,512	1,463	1,600	5,955	6,381	-6.7
Arkansas.....	90	83	74	340	327	3.7
Louisiana.....	w	w	w	w	w	w
Oklahoma.....	w	w	w	w	w	w
Texas.....	1,203	1,191	1,107	4,784	4,239	12.9
Mountain Total	1,209	1,188	1,424	4,458	5,647	-21.1
Arizona.....	171	188	155	673	646	4.2
Colorado.....	194	170	231	673	760	-11.4
Idaho.....	w	w	w	w	w	w
Montana.....	w	w	w	w	w	w
Nevada.....	w	w	w	w	w	w
New Mexico.....	w	w	w	w	w	w
Utah.....	125	158	166	500	908	-44.9
Wyoming.....	511	488	485	1,958	1,936	1.2
Pacific Total	739	625	862	2,548	2,998	-15.0
Alaska.....	w	w	w	w	w	w
California.....	586	546	705	2,152	2,493	-13.7
Hawaii.....	w	w	w	w	w	w
Oregon.....	w	w	w	w	w	w
Washington.....	38	34	60	146	213	-31.4
U.S. Total	18,718	17,501	18,402	70,475	71,622	-1.6

* Rounded to zero.

w Withheld to avoid disclosure of individual company data.

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

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

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

Census Division and State	October - December 1996	July - September 1996	October - December 1995	Year to Date		
				1996	1995	Percent Change
New England Total	\$56.45	\$59.34	\$54.23	\$57.36	\$56.90	0.8
Connecticut.....	-	-	-	-	-	-
Maine.....	w	w	w	w	w	w
Massachusetts.....	w	w	w	w	w	w
New Hampshire.....	-	-	-	-	-	-
Rhode Island.....	-	-	-	-	-	-
Vermont.....	-	-	-	-	-	-
Middle Atlantic Total	w	w	w	w	w	w
New Jersey.....	w	w	w	w	w	w
New York.....	\$39.91	\$40.25	\$41.29	\$40.11	\$41.90	-4.3
Pennsylvania.....	34.20	33.20	34.09	33.84	34.07	-7
East North Central Total	34.36	33.99	34.97	34.44	34.88	-1.3
Illinois.....	29.78	29.75	29.31	29.68	29.03	2.3
Indiana.....	31.35	31.29	33.48	31.76	33.14	-4.2
Michigan.....	41.26	39.98	40.89	41.28	41.18	.2
Ohio.....	35.16	34.43	34.82	35.28	35.18	.3
Wisconsin.....	38.95	39.22	40.35	40.02	40.21	-5
West North Central Total	18.55	19.58	18.88	19.04	18.92	.6
Iowa.....	29.03	30.37	29.19	29.32	29.23	.3
Kansas.....	32.30	32.21	32.34	32.46	32.42	.1
Minnesota.....	27.56	28.96	32.87	28.85	34.40	-16.1
Missouri.....	30.32	30.83	33.26	31.37	32.81	-4.4
Nebraska.....	w	w	w	w	w	w
North Dakota.....	w	w	w	w	w	w
South Dakota.....	\$23.74	\$22.49	\$21.70	\$24.33	\$22.21	9.5
South Atlantic Total	w	w	w	w	w	w
Delaware.....	w	w	w	w	w	w
District of Columbia.....	-	-	-	-	-	-
Florida.....	\$45.45	\$45.91	\$46.56	\$45.68	\$46.64	-2.0
Georgia.....	44.21	44.40	44.63	44.21	44.64	-1.0
Maryland.....	33.06	32.61	31.83	32.52	31.66	2.7
North Carolina.....	43.65	42.92	43.32	43.36	43.29	.2
South Carolina.....	44.44	44.59	43.51	44.08	43.16	2.1
Virginia.....	43.80	43.39	42.47	43.51	42.50	2.4
West Virginia.....	34.24	32.84	33.04	33.37	33.61	-7
East South Central Total	w	w	w	w	w	w
Alabama.....	\$40.27	\$40.09	\$39.72	\$40.15	\$39.53	1.6
Kentucky.....	44.86	43.22	43.22	44.02	44.09	-2
Mississippi.....	w	w	w	w	w	w
Tennessee.....	\$35.06	\$35.00	\$35.85	\$35.22	\$35.68	-1.3
West South Central Total	21.77	21.85	21.78	21.79	22.04	-1.1
Arkansas.....	42.83	42.48	44.23	43.24	43.52	-6
Louisiana.....	w	w	w	w	w	w
Oklahoma.....	w	w	w	w	w	w
Texas.....	\$19.04	\$18.80	\$19.19	\$18.99	\$18.76	1.2
Mountain Total	26.07	27.04	26.05	26.61	27.06	-1.7
Arizona.....	38.31	39.71	38.06	39.27	40.46	-2.9
Colorado.....	24.18	24.48	23.89	24.44	26.11	-6.4
Idaho.....	w	w	w	w	w	w
Montana.....	w	w	w	w	w	w
Nevada.....	w	w	w	w	w	w
New Mexico.....	w	w	w	w	w	w
Utah.....	\$19.04	\$17.79	\$20.11	\$19.10	\$19.74	-3.2
Wyoming.....	21.77	22.40	22.83	22.32	22.72	-1.8
Pacific Total	43.05	41.80	41.54	42.45	43.68	-2.8
Alaska.....	w	w	w	w	w	w
California.....	\$39.72	\$39.61	\$39.87	\$39.53	\$41.11	-3.8
Hawaii.....	w	w	w	w	w	w
Oregon.....	w	w	w	w	w	w
Washington.....	\$57.22	\$58.80	\$57.76	\$58.81	\$59.15	-6
U.S. Total	32.24	32.08	32.32	32.28	32.42	-4

^w Withheld to avoid disclosure of individual company data.

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

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

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

SIC Code	October - December 1996	July - September 1996	October - December 1995	Year to Date		
				1996	1995	Percent Change
20 Food and kindred products	2,114	1,894	2,268	7,633	8,118	-6.0
21 Tobacco products	154	143	168	588	602	-2.2
22 Textile mill products	268	185	265	1,001	975	2.7
23 Apparel, other textile products	w	w	w	w	w	w
24 Lumber and wood products	w	w	w	w	w	w
25 Furniture and fixtures	20	25	11	79	62	27.3
26 Paper and allied products	3,520	3,282	3,208	13,271	12,639	5.0
27 Printing and publishing	w	w	w	w	w	w
28 Chemicals, allied products	3,283	3,024	3,200	12,715	12,791	-6
29 Petroleum and coal products ¹	1,865	1,724	1,850	7,019	7,382	-4.9
30 Rubber, misc. plastic products	44	46	60	200	237	-15.7
31 Leather, leather products	w	w	w	w	w	w
32 Stone, clay, glass products	3,594	3,611	3,463	13,327	12,883	3.4
33 Primary metal industries ²	2,272	2,182	1,947	8,421	7,288	15.5
34 Fabricated metal products	68	40	95	248	285	-13.1
35 Machinery, except electric	118	66	103	376	391	-4.0
36 Electric, electronic equipment	w	w	w	w	w	w
37 Transportation equipment	267	130	319	1,008	1,194	-15.6
38 Instruments, related products	w	w	w	w	w	w
39 Misc. manufacturing industries	w	w	w	w	w	w
U.S. Total	17,806	16,589	17,208	66,827	65,837	1.5

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

SIC Code	October - December 1996	July - September 1996	October - December 1995	Percent Difference October - December: 1996 versus 1995
20 Food and kindred products	\$31.01	\$30.46	\$30.38	2.1
21 Tobacco products	45.65	45.59	45.84	-4
22 Textile mill products	46.92	45.68	46.45	1.0
23 Apparel, other textile products	w	w	w	w
24 Lumber and wood products	w	w	w	w
25 Furniture and fixtures	\$51.19	\$49.25	\$50.39	1.6
26 Paper and allied products	39.59	39.58	39.25	.9
27 Printing and publishing	w	w	w	w
28 Chemicals, allied products	\$33.95	\$34.44	\$34.26	-9
29 Petroleum and coal products ¹	11.08	11.65	10.94	1.3
30 Rubber, misc. plastic products	32.35	32.63	34.56	-6.4
31 Leather, leather products	w	w	w	w
32 Stone, clay, glass products	\$35.20	\$35.24	\$35.49	-8
33 Primary metal industries ²	26.90	25.99	27.85	-3.4
34 Fabricated metal products	46.75	43.59	46.28	1.0
35 Machinery, except electric	34.74	37.19	33.89	2.5
36 Electric, electronic equipment	w	w	w	w
37 Transportation equipment	\$42.22	\$40.67	\$41.51	1.7
38 Instruments, related products	w	w	w	w
39 Misc. manufacturing industries	w	w	w	w
U.S. Total	\$32.24	\$32.08	\$32.32	-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 36. Coal Receipts by the Residential and Commercial Sector by Census Division and State
(Thousand Short Tons)

Census Division and State	October - December 1996	July - September 1996	October - December 1995	Year to Date		
				1996	1995	Percent Change
New England Total	21	14	43	69	69	*
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	414	276	463	1,379	1,379	*
New Jersey.....	w	w	w	w	w	w
New York.....	w	w	w	w	w	w
Pennsylvania.....	345	230	389	1,151	1,151	0.0
East North Central Total	390	260	420	1,301	1,301	.0
Illinois.....	w	w	w	w	w	w
Indiana.....	86	57	98	287	287	*
Michigan.....	w	w	w	w	w	w
Ohio.....	123	82	190	409	409	*
Wisconsin.....	w	w	w	w	w	w
West North Central Total	w	w	w	w	w	w
Iowa.....	27	18	6	90	90	*
Kansas.....	28	18	74	92	92	*
Minnesota.....	79	53	51	264	264	*
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	286	191	416	954	954	*
Delaware.....	w	w	w	w	w	w
District of Columbia.....	2	1	3	6	6	*
Florida.....	*	*	1	1	1	-1
Georgia.....	18	12	6	59	59	.0
Maryland.....	w	w	w	w	w	w
North Carolina.....	67	45	55	224	224	.0
South Carolina.....	5	3	2	17	17	*
Virginia.....	w	w	w	w	w	w
West Virginia.....	w	w	w	w	w	w
East South Central Total	85	57	83	283	283	*
Alabama.....	2	1	5	7	7	.0
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	5	3	*	17	17	*
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	1	*	5	5	*
Colorado.....	6	4	7	20	20	.0
Idaho.....	12	8	13	39	39	*
Montana.....	w	w	w	w	w	w
Nevada.....	w	w	w	w	w	w
New Mexico.....	w	w	w	w	w	w
Utah.....	w	w	w	w	w	w
Wyoming.....	44	29	58	146	146	.0
Pacific Total	220	147	246	734	734	*
Alaska.....	157	105	182	523	523	.0
California.....	40	27	42	133	133	.0
Hawaii.....	-	-	-	-	-	-
Oregon.....	*	*	*	*	*	-2
Washington.....	23	16	21	78	78	*
U.S. Total	1,747	1,165	2,091	5,824	5,824	*

* Rounded to zero.

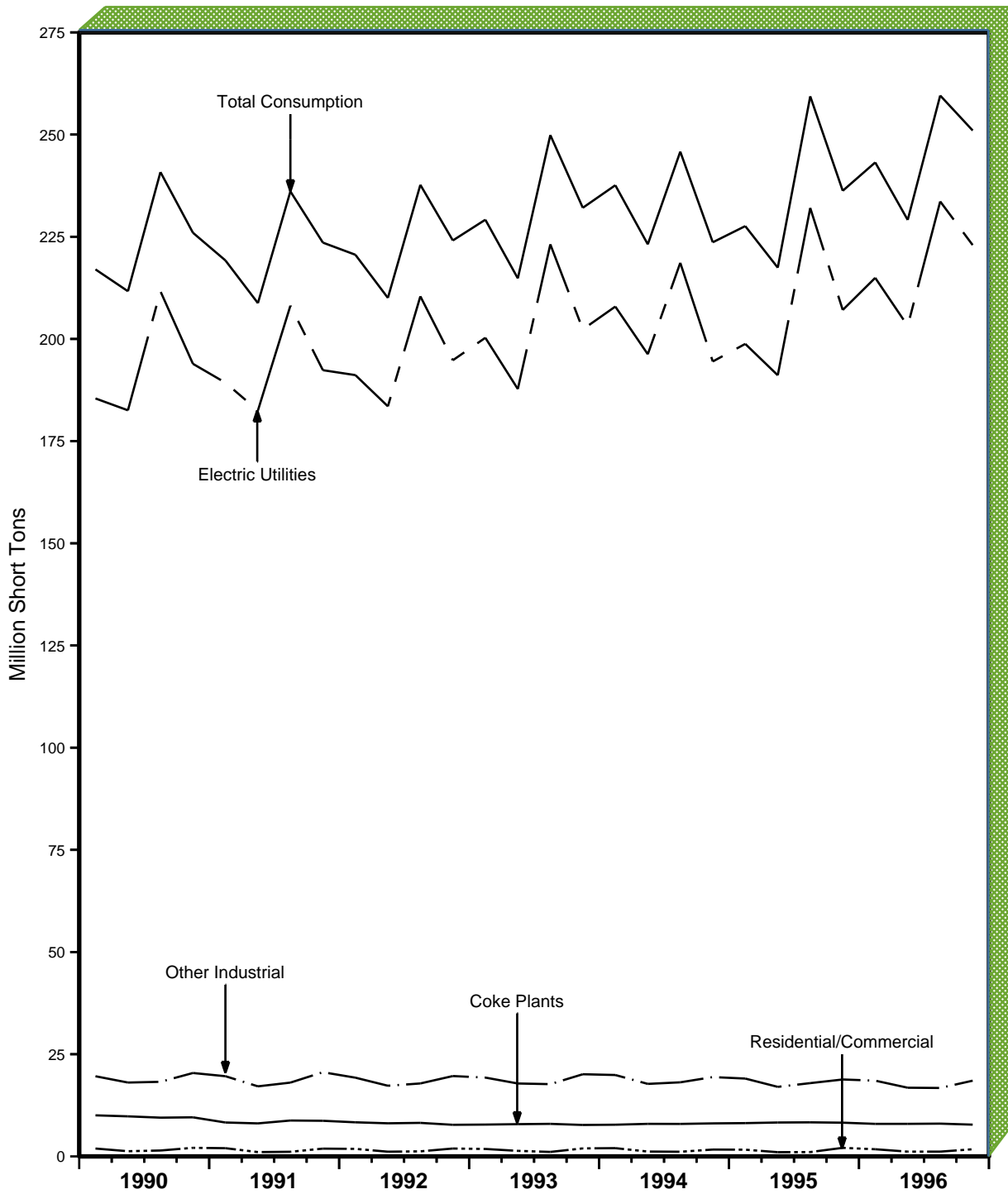
w Withheld to avoid disclosure of individual company data.

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

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

Consumption

Figure 7. Quarterly U.S. Coal Consumption, 1990-1996



Note: Each increment represents end-of-quarter data.

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

Table 37. U.S. Coal Consumption by End-Use Sector 1990-1996
(Thousand Short Tons)

Year and Quarter	Electric Utilities	Coke Plants	Other Industrial	Residential and Commercial	Total
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	198,782	8,140	19,043	1,638	227,604
April - June	191,107	8,291	17,009	1,032	217,439
July - September	232,033	8,330	17,928	1,063	259,353
October - December	207,085	8,251	18,816	2,091	236,243
Total	829,007	33,011	72,796	5,824	940,638
1996 January - March	214,946	7,958	18,529	1,747	243,180
April - June	203,183	7,965	16,800	1,165	229,113
July - September	233,632	8,016	16,738	1,165	259,551
October - December	222,954	7,767	18,527	1,747	250,995
Total	874,714	31,706	70,594	5,824	982,838

Notes: Consumption data for 1990 through 1996 exclude coal consumed by independent power producers to generate electricity and cogeneration plants not included in the other industrial, coke, and commercial sectors. For 1990 through 1996, these excluded EIA quarterly estimated consumption data are: 400, 1500, 2500, 3086, 3785, 5200, and 6000 thousand short tons, respectively. Total may not equal sum of components because of independent rounding.

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

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

Census Division and State	October - December 1996	July - September 1996	October - December 1995	Year to Date		
				1996	1995	Percent Change
New England Total	1,687	1,893	1,771	7,038	6,662	5.6
Connecticut.....	187	272	251	950	906	4.9
Maine.....	56	65	83	233	282	-17.2
Massachusetts.....	1,184	1,187	1,087	4,472	4,113	8.7
New Hampshire.....	257	368	347	1,377	1,355	1.7
Rhode Island.....	1	1	1	3	3	*
Vermont.....	1	1	1	3	3	.0
Middle Atlantic Total	17,516	18,556	17,193	70,874	68,387	3.6
New Jersey.....	591	659	537	2,401	2,074	15.8
New York.....	2,936	2,857	2,685	11,282	11,025	2.3
Pennsylvania.....	13,990	15,040	13,970	57,190	55,289	3.4
East North Central Total	59,663	58,540	53,752	228,604	217,486	5.1
Illinois.....	12,304	11,602	9,458	44,504	39,623	12.3
Indiana.....	15,933	16,680	15,699	63,954	62,631	2.1
Michigan.....	9,544	9,357	8,866	36,623	35,586	2.9
Ohio.....	15,270	14,898	13,719	59,478	56,580	5.1
Wisconsin.....	6,612	6,002	6,010	24,045	23,066	4.2
West North Central Total	35,275	34,603	33,063	136,581	131,082	4.2
Iowa.....	5,102	5,352	5,164	20,743	20,636	.5
Kansas.....	4,793	4,903	4,188	19,099	16,575	15.2
Minnesota.....	5,394	4,505	4,638	19,604	18,947	3.5
Missouri.....	8,669	9,219	8,044	34,392	31,753	8.3
Nebraska.....	2,760	2,763	2,729	10,387	10,396	-1.1
North Dakota.....	8,206	7,407	7,773	30,474	30,237	.8
South Dakota.....	352	454	527	1,883	2,537	-25.8
South Atlantic Total	40,087	44,454	38,002	165,644	155,306	6.7
Delaware.....	541	515	363	1,951	2,011	-3.0
District of Columbia.....	2	1	3	6	6	*
Florida.....	6,899	8,053	6,408	28,443	26,526	7.2
Georgia.....	6,860	8,998	7,145	31,215	31,288	-2.2
Maryland.....	2,670	2,947	3,052	11,594	11,198	3.5
North Carolina.....	7,237	7,765	6,040	27,590	24,084	14.6
South Carolina.....	3,270	3,831	2,997	13,847	12,279	12.8
Virginia.....	3,806	3,743	3,381	14,866	13,425	10.7
West Virginia.....	8,803	8,601	8,613	36,132	34,489	4.8
East South Central Total	26,421	29,031	26,434	110,134	105,849	4.0
Alabama.....	9,306	10,055	8,635	37,024	34,327	7.9
Kentucky.....	9,188	10,321	9,800	40,540	39,516	2.6
Mississippi.....	1,620	1,571	831	5,809	4,606	26.1
Tennessee.....	6,306	7,083	7,168	26,760	27,399	-2.3
West South Central Total	35,852	40,392	35,637	146,453	139,106	5.3
Arkansas.....	3,705	4,013	3,773	14,815	13,540	9.4
Louisiana.....	3,152	3,877	3,035	12,539	13,357	-6.1
Oklahoma.....	4,640	5,198	5,066	20,135	19,596	2.8
Texas.....	24,355	27,305	23,762	98,963	92,612	6.9
Mountain Total	31,042	29,471	27,629	107,443	107,923	-4.4
Arizona.....	4,902	4,941	4,063	16,798	16,682	.7
Colorado.....	4,622	4,626	4,258	17,549	16,971	3.4
Idaho.....	202	37	208	411	465	-11.6
Montana.....	2,854	2,395	2,517	7,993	10,005	-20.1
Nevada.....	2,364	2,160	2,037	7,616	7,340	3.8
New Mexico.....	4,447	4,113	3,808	15,324	15,221	.7
Utah.....	4,340	4,252	3,992	15,210	15,307	-6.6
Wyoming.....	7,311	6,947	6,746	26,542	25,933	2.3
Pacific Total	3,451	2,611	2,764	10,068	8,837	13.9
Alaska.....	216	130	265	755	815	-7.4
California.....	609	552	730	2,273	2,618	-13.2
Hawaii.....	37	37	37	169	121	40.1
Oregon.....	730	375	350	1,134	1,125	.9
Washington.....	1,860	1,517	1,382	5,737	4,158	38.0
U.S. Total	250,995	259,551	236,243	982,838	940,638	4.5

* Rounded to zero.

Notes: Consumption data for 1990 through 1996 exclude coal consumed by independent power producers to generate electricity and cogeneration plants not included in the other industrial, coke, and commercial sectors. For 1990 through 1996, these excluded EIA quarterly estimated consumption data are: 400, 1500, 2500, 3086, 3785, 5200, and 6000 thousand short tons, respectively. Total may not equal sum of components because of independent rounding.

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

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

Census Division and State	October - December 1996	July - September 1996	October - December 1995	Year to Date		
				1996	1995	Percent Change
New England Total	1,600	1,806	1,634	6,701	6,272	6.8
Connecticut.....	180	267	229	925	881	5.0
Maine.....	-	-	-	-	-	-
Massachusetts.....	1,165	1,172	1,060	4,406	4,044	9.0
New Hampshire.....	255	367	345	1,369	1,346	1.7
Rhode Island.....	-	-	-	-	-	-
Vermont.....	-	-	-	-	-	-
Middle Atlantic Total	12,617	13,768	12,308	51,717	49,357	4.8
New Jersey.....	586	655	532	2,387	2,054	16.2
New York.....	2,153	2,115	1,936	8,254	8,051	2.5
Pennsylvania.....	9,877	10,998	9,839	41,075	39,252	4.6
East North Central Total	51,941	51,607	46,059	198,906	187,490	6.1
Illinois.....	10,596	10,068	7,864	38,098	33,463	13.9
Indiana.....	13,147	13,974	13,018	52,850	52,089	1.5
Michigan.....	8,336	8,410	7,726	32,176	31,165	3.2
Ohio.....	13,741	13,516	11,963	53,542	49,785	7.5
Wisconsin.....	6,122	5,639	5,487	22,239	20,987	6.0
West North Central Total	31,442	31,319	29,349	122,417	116,720	4.9
Iowa.....	4,365	4,671	4,473	17,863	17,785	.4
Kansas.....	4,726	4,848	4,075	18,852	16,345	15.3
Minnesota.....	4,779	4,087	4,289	17,459	17,282	1.0
Missouri.....	8,307	8,906	7,632	33,058	30,440	8.6
Nebraska.....	2,659	2,701	2,572	10,091	10,048	.4
North Dakota.....	6,382	5,773	5,893	23,640	22,680	4.2
South Dakota.....	224	333	414	1,453	2,137	-32.0
South Atlantic Total	36,051	40,509	33,410	149,351	138,134	8.1
Delaware.....	491	473	306	1,787	1,816	-1.6
District of Columbia.....	-	-	-	-	-	-
Florida.....	6,569	7,719	6,065	27,172	25,200	7.8
Georgia.....	6,314	8,530	6,656	29,171	29,280	-.4
Maryland.....	2,389	2,695	2,631	10,540	10,141	3.9
North Carolina.....	6,591	7,201	5,403	25,082	21,424	17.1
South Carolina.....	2,755	3,347	2,359	11,832	10,074	17.5
Virginia.....	2,801	2,823	2,373	10,994	9,543	15.2
West Virginia.....	8,141	7,720	7,617	32,774	30,657	6.9
East South Central Total	23,059	25,799	22,909	96,807	92,262	4.9
Alabama.....	7,853	8,608	7,201	31,215	28,759	8.5
Kentucky.....	8,314	9,495	8,762	37,071	35,707	3.8
Mississippi.....	1,552	1,512	761	5,558	4,319	28.7
Tennessee.....	5,339	6,184	6,186	22,963	23,477	-2.2
West South Central Total	34,332	38,890	34,001	140,491	132,633	5.9
Arkansas.....	3,610	3,933	3,699	14,467	13,216	9.5
Louisiana.....	3,134	3,851	2,996	12,450	12,930	-3.7
Oklahoma.....	4,455	5,006	4,643	19,386	18,130	6.9
Texas.....	23,133	26,100	22,663	94,189	88,358	6.6
Mountain Total	29,387	28,067	25,749	101,545	101,013	.5
Arizona.....	4,719	4,763	3,892	16,117	16,021	.6
Colorado.....	4,425	4,461	4,043	16,851	16,222	3.9
Idaho.....	-	-	-	-	-	-
Montana.....	2,809	2,383	2,308	7,897	9,373	-15.7
Nevada.....	2,316	2,110	1,990	7,424	7,084	4.8
New Mexico.....	4,426	4,094	3,785	15,242	15,137	.7
Utah.....	3,938	3,827	3,533	13,584	13,325	1.9
Wyoming.....	6,755	6,429	6,198	24,430	23,850	2.4
Pacific Total	2,525	1,867	1,668	6,780	5,127	32.3
Alaska.....	59	25	82	229	293	-21.6
California.....	-	-	-	-	-	-
Hawaii.....	-	-	-	-	-	-
Oregon.....	670	374	287	1,044	977	6.9
Washington.....	1,796	1,469	1,298	5,507	3,857	42.8
U.S. Total	222,954	233,632	207,085	874,714	829,007	5.5

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

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

Census Division and State	October - December 1996	July - September 1996	October - December 1995	Year to Date		
				1996	1995	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.....	2,697	2,725	2,714	10,689	10,858	-1.6
East North Central Total	2,849	2,821	3,035	11,414	12,345	-7.5
Illinois.....	w	w	w	w	w	w
Indiana.....	1,460	1,415	1,450	5,823	5,883	-1.0
Michigan.....	w	w	w	w	w	w
Ohio.....	465	462	628	1,842	2,777	-33.7
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.....	802	815	810	3,247	3,257	-3
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.....	1,039	1,033	1,055	4,135	4,248	-2.7
Furnace Coke Plants.....	6,727	6,982	7,196	27,570	28,763	-4.1
U.S. Total	7,767	8,016	8,251	31,706	33,011	-4.0

^w Withheld to avoid disclosure of individual company data.

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

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

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

Census Division and State	October - December 1996	July - September 1996	October - December 1995	Year to Date		
				1996	1995	Percent Change
New England Total	66	74	94	268	321	-16.4
Connecticut.....	-	-	-	-	*	-
Maine.....	w	w	w	w	w	w
Massachusetts.....	w	w	w	w	w	w
New Hampshire.....	-	-	*	-	*	-
Rhode Island.....	-	-	-	-	-	-
Vermont.....	-	-	-	-	-	-
Middle Atlantic Total	w	w	w	w	w	w
New Jersey.....	w	w	w	w	w	w
New York.....	370	361	336	1,457	1,370	6.3
Pennsylvania.....	1,071	1,088	1,028	4,275	4,027	6.1
East North Central Total	4,482	3,852	4,238	16,983	16,351	3.9
Illinois.....	1,033	880	923	3,770	3,653	3.2
Indiana.....	1,240	1,233	1,132	4,994	4,373	14.2
Michigan.....	817	563	752	2,859	2,767	3.3
Ohio.....	941	837	937	3,685	3,609	2.1
Wisconsin.....	451	338	493	1,676	1,949	-14.0
West North Central Total	3,599	3,128	3,410	13,383	13,581	-1.5
Iowa.....	710	663	684	2,790	2,761	1.0
Kansas.....	40	37	40	155	138	12.4
Minnesota.....	536	365	298	1,881	1,401	34.3
Missouri.....	298	271	297	1,123	1,102	1.9
Nebraska.....	w	w	w	w	w	w
North Dakota.....	w	w	w	w	w	w
South Dakota.....	126	120	107	423	393	7.6
South Atlantic Total	w	w	w	w	w	w
Delaware.....	w	w	w	w	w	w
District of Columbia.....	-	-	-	-	-	-
Florida.....	330	334	342	1,270	1,325	-4.1
Georgia.....	528	456	483	1,985	1,949	1.8
Maryland.....	191	193	188	757	760	-4
North Carolina.....	579	519	582	2,284	2,437	-6.3
South Carolina.....	510	480	636	1,998	2,188	-8.7
Virginia.....	671	606	682	2,606	2,631	-1.0
West Virginia.....	405	405	480	1,668	1,984	-15.9
East South Central Total	w	w	w	w	w	w
Alabama.....	649	630	619	2,554	2,304	10.9
Kentucky.....	506	456	640	1,988	2,250	-11.7
Mississippi.....	w	w	w	w	w	w
Tennessee.....	924	871	938	3,652	3,777	-3.3
West South Central Total	1,515	1,498	1,635	5,945	6,456	-7.9
Arkansas.....	95	80	74	348	325	7.2
Louisiana.....	w	w	w	w	w	w
Oklahoma.....	w	w	w	w	w	w
Texas.....	1,221	1,204	1,099	4,774	4,255	12.2
Mountain Total	1,307	1,091	1,506	4,546	5,615	-19.0
Arizona.....	182	177	171	675	657	2.8
Colorado.....	191	161	208	679	729	-6.8
Idaho.....	w	w	w	w	w	w
Montana.....	w	w	w	w	w	w
Nevada.....	w	w	w	w	w	w
New Mexico.....	w	w	w	w	w	w
Utah.....	123	158	172	502	915	-45.1
Wyoming.....	512	489	490	1,967	1,937	1.5
Pacific Total	706	596	850	2,554	2,976	-14.2
Alaska.....	w	w	w	w	w	w
California.....	569	525	688	2,140	2,485	-13.9
Hawaii.....	w	w	w	w	w	w
Oregon.....	w	w	w	w	w	w
Washington.....	40	32	62	152	223	-31.9
U.S. Total	18,527	16,738	18,816	70,594	72,796	-3.0

* Rounded to zero.

w Withheld to avoid disclosure of individual company data.

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

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

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

SIC Code	October - December 1996	July - September 1996	October - December 1995	Year to Date		
				1996	1995	Percent Change
20 Food and kindred products	2,428	1,567	2,311	7,761	7,989	-2.9
21 Tobacco products	151	144	150	601	602	-.3
22 Textile mill products	244	201	245	999	993	.5
23 Apparel, other textile products	w	w	w	w	w	w
24 Lumber and wood products	w	w	w	w	w	w
25 Furniture and fixtures	23	8	26	78	64	21.6
26 Paper and allied products	3,405	3,147	3,234	13,255	12,842	3.2
27 Printing and publishing	w	w	w	w	w	w
28 Chemicals, allied products	3,205	2,989	3,245	12,676	13,002	-2.5
29 Petroleum and coal products ¹	1,806	1,734	1,872	6,986	7,416	-5.8
30 Rubber, misc. plastic products	45	43	59	202	239	-15.2
31 Leather, leather products	w	w	w	w	w	w
32 Stone, clay, glass products	3,513	3,465	3,550	13,349	13,138	1.6
33 Primary metal industries ²	2,104	2,102	1,892	8,417	7,473	12.6
34 Fabricated metal products	73	34	85	273	299	-8.7
35 Machinery, except electric	118	47	126	395	408	-3.2
36 Electric, electronic equipment	w	w	w	w	w	w
37 Transportation equipment	269	123	335	1,015	1,255	-19.1
38 Instruments, related products	w	w	w	w	w	w
39 Misc. manufacturing industries	w	w	w	w	w	w
U.S. Total	17,615	15,826	17,390	66,946	66,765	.3

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

Census Division and State	October - December 1996	July - September 1996	October - December 1995	Year to Date		
				1996	1995	Percent Change
New England Total	21	14	43	69	69	*
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	414	276	463	1,379	1,379	*
New Jersey.....	w	w	w	w	w	w
New York.....	w	w	w	w	w	w
Pennsylvania.....	345	230	389	1,151	1,151	0.0
East North Central Total	390	260	420	1,301	1,301	.0
Illinois.....	w	w	w	w	w	w
Indiana.....	86	57	98	287	287	*
Michigan.....	w	w	w	w	w	w
Ohio.....	123	82	190	409	409	*
Wisconsin.....	w	w	w	w	w	w
West North Central Total	w	w	w	w	w	w
Iowa.....	27	18	6	90	90	*
Kansas.....	28	18	74	92	92	*
Minnesota.....	79	53	51	264	264	*
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	286	191	416	954	954	*
Delaware.....	w	w	w	w	w	w
District of Columbia.....	2	1	3	6	6	*
Florida.....	*	*	1	1	1	-.1
Georgia.....	18	12	6	59	59	.0
Maryland.....	w	w	w	w	w	w
North Carolina.....	67	45	55	224	224	.0
South Carolina.....	5	3	2	17	17	*
Virginia.....	w	w	w	w	w	w
West Virginia.....	w	w	w	w	w	w
East South Central Total	85	57	83	283	283	*
Alabama.....	2	1	5	7	7	.0
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	5	3	*	17	17	*
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	1	*	5	5	*
Colorado.....	6	4	7	20	20	.0
Idaho.....	12	8	13	39	39	*
Montana.....	w	w	w	w	w	w
Nevada.....	w	w	w	w	w	w
New Mexico.....	w	w	w	w	w	w
Utah.....	w	w	w	w	w	w
Wyoming.....	44	29	58	146	146	.0
Pacific Total	220	147	246	734	734	*
Alaska.....	157	105	182	523	523	.0
California.....	40	27	42	133	133	.0
Hawaii.....	w	w	w	w	w	w
Oregon.....	w	w	w	w	w	w
Washington.....	23	16	21	78	78	*
U.S. Total	1,747	1,165	2,091	5,824	5,824	*

* Rounded to zero.

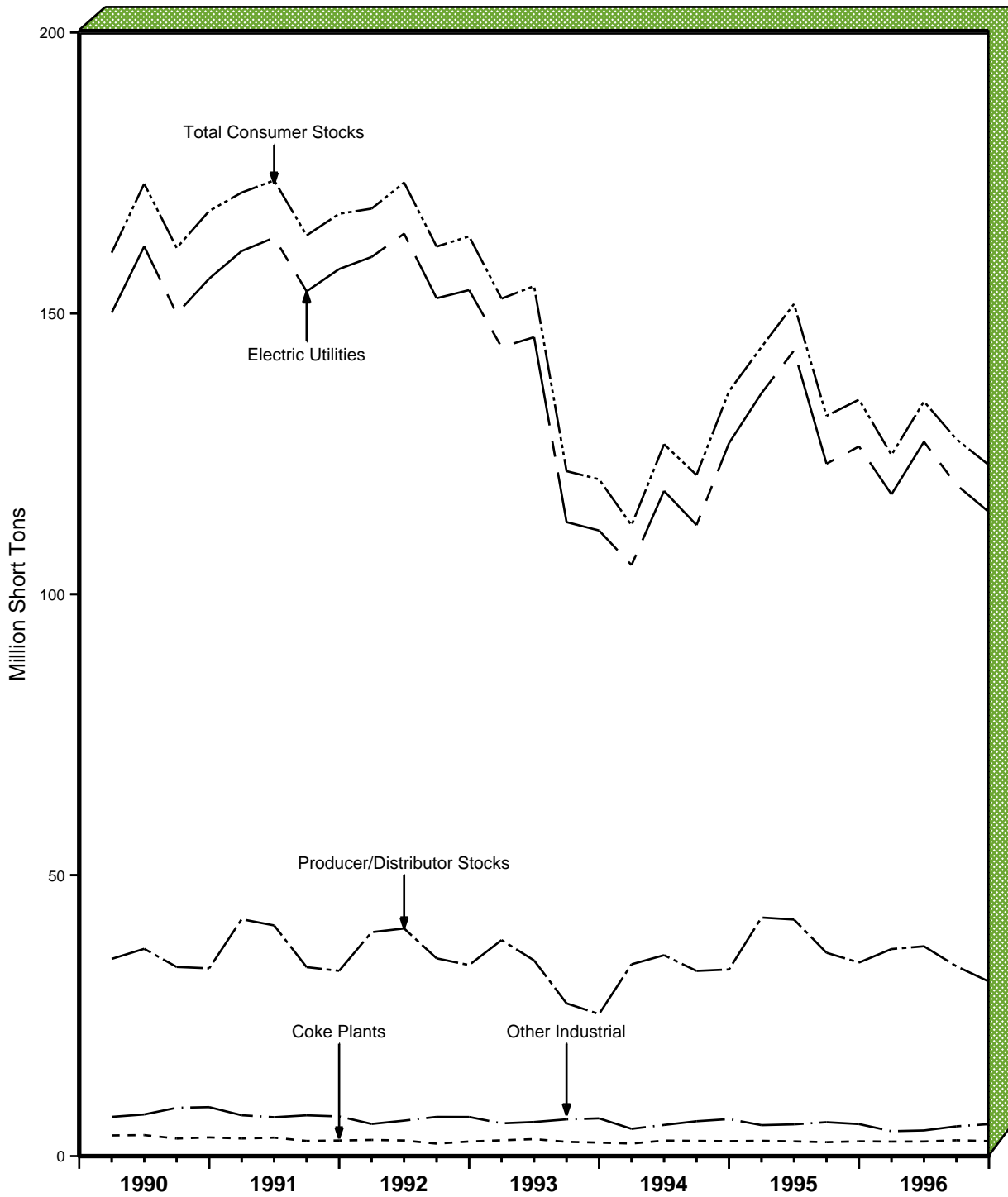
w Withheld to avoid disclosure of individual company data.

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

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

Stocks

Figure 8. Quarterly U.S. Coal Stocks, 1990-1996



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

Table 44. U.S. Coal Stocks, 1990-1996
(Thousand Short Tons)

Last Day of Quarter	Coal Consumers ¹				Coal Producers and Distributors	Total
	Electric Utilities	Coke Plants	Other Industrial ²	Total		
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	135,778	2,719	5,507	144,004	42,460	186,463
June 30	143,385	2,624	5,649	151,657	42,104	193,761
September 30	123,227	2,476	6,036	131,739	36,193	167,932
December 31	126,304	2,632	5,702	134,639	34,444	169,083
1996 March 31	117,790	2,583	4,433	124,806	36,851	161,656
June 30	127,134	2,601	4,567	134,302	37,344	171,646
September 30	119,472	2,814	5,302	127,588	33,780	161,367
December 31	114,623	2,667	5,689	122,979	31,065	154,044

¹ Stock data for the Residential and Commercial sector are not included. See Technical Note 6 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, Schedule Q, "Quarterly Coal Report;" and, Form EIA-6, "Coal Distribution Report."

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

Census Division and State	Electric Utilities	Coke Plants	Other Industrial ¹	Total
New England Total	1,236	—	60	1,297
Connecticut.....	173	—	w	w
Maine.....	—	—	w	w
Massachusetts.....	704	—	w	w
New Hampshire.....	359	—	w	w
Rhode Island.....	—	—	w	w
Vermont.....	—	—	w	w
Middle Atlantic Total	9,606	w	w	w
New Jersey.....	824	—	w	w
New York.....	905	w	192	w
Pennsylvania.....	7,878	748	231	8,858
East North Central Total	27,619	1,335	1,862	30,815
Illinois.....	4,579	w	252	w
Indiana.....	7,102	469	384	7,954
Michigan.....	6,530	w	827	w
Ohio.....	5,229	81	118	5,428
Wisconsin.....	4,178	—	281	4,459
West North Central Total	17,107	—	1,220	18,327
Iowa.....	4,042	—	570	4,612
Kansas.....	2,968	—	16	2,984
Minnesota.....	1,461	—	277	1,738
Missouri.....	5,159	—	158	5,317
Nebraska.....	1,691	—	w	w
North Dakota.....	1,642	—	w	w
South Dakota.....	143	—	w	w
South Atlantic Total	18,662	w	w	w
Delaware.....	322	—	w	w
District of Columbia.....	—	—	—	—
Florida.....	3,349	—	89	3,438
Georgia.....	3,727	—	121	3,848
Maryland.....	1,346	w	30	w
North Carolina.....	2,559	—	112	2,671
South Carolina.....	1,979	—	198	2,177
Virginia.....	1,010	w	133	w
West Virginia.....	4,370	w	136	w
East South Central Total	8,514	w	w	w
Alabama.....	2,526	197	135	2,858
Kentucky.....	4,119	w	83	w
Mississippi.....	602	—	w	w
Tennessee.....	1,266	—	234	1,500
West South Central Total	19,525	—	361	19,886
Arkansas.....	2,701	—	18	2,719
Louisiana.....	2,470	—	10	2,480
Oklahoma.....	4,067	—	143	4,210
Texas.....	10,287	—	190	10,477
Mountain Total	11,303	w	232	w
Arizona.....	1,992	—	32	2,024
Colorado.....	3,028	—	28	3,056
Idaho.....	—	—	77	77
Montana.....	508	—	w	w
Nevada.....	1,239	—	w	w
New Mexico.....	814	—	w	w
Utah.....	1,526	w	5	w
Wyoming.....	2,197	—	71	2,267
Pacific Total	1,052	—	222	1,274
Alaska.....	1	—	—	1
California.....	—	—	150	150
Hawaii.....	—	—	w	w
Oregon.....	203	—	w	w
Washington.....	848	—	8	857
U.S. Total	114,623	2,667	5,689	122,979

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 6 in Appendix C.

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

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

Census Division and State	December 31, 1996	September 30, 1996	December 31, 1995	Percent Difference December 31: 1996 versus 1995
New England Total	1,236	1,089	908	36.1
Connecticut.....	173	107	164	5.5
Maine.....	-	-	-	-
Massachusetts.....	704	741	425	65.6
New Hampshire.....	359	241	319	12.6
Rhode Island	-	-	-	-
Vermont.....	-	-	-	-
Middle Atlantic Total	9,606	8,913	11,064	-13.2
New Jersey	824	571	804	2.4
New York.....	905	721	1,015	-10.9
Pennsylvania.....	7,878	7,620	9,244	-14.8
East North Central Total	27,619	29,830	30,505	-9.5
Illinois.....	4,579	5,063	5,331	-14.1
Indiana.....	7,102	8,489	8,435	-15.8
Michigan.....	6,530	6,940	7,708	-15.3
Ohio.....	5,229	5,026	5,661	-7.6
Wisconsin.....	4,178	4,312	3,371	24.0
West North Central Total	17,107	18,905	17,732	-3.5
Iowa.....	4,042	4,542	3,923	3.0
Kansas	2,968	3,504	3,850	-22.9
Minnesota.....	1,461	1,917	1,898	-23.0
Missouri.....	5,159	5,234	4,641	11.2
Nebraska.....	1,691	1,780	1,409	20.0
North Dakota.....	1,642	1,810	1,858	-11.6
South Dakota.....	143	118	153	-6.6
South Atlantic Total	18,662	17,307	18,851	-1.0
Delaware.....	322	266	363	-11.3
District of Columbia	-	-	-	-
Florida	3,349	2,827	3,204	4.5
Georgia.....	3,727	3,778	3,657	1.9
Maryland	1,346	1,072	1,038	29.7
North Carolina.....	2,559	2,265	2,715	-5.7
South Carolina.....	1,979	1,378	2,033	-2.7
Virginia.....	1,010	897	1,098	-8.0
West Virginia.....	4,370	4,824	4,744	-7.9
East South Central Total	8,514	8,434	10,148	-16.1
Alabama.....	2,526	2,468	3,282	-23.0
Kentucky	4,119	3,909	4,472	-7.9
Mississippi.....	602	492	724	-16.8
Tennessee	1,266	1,564	1,670	-24.2
West South Central Total	19,525	20,212	20,195	-3.3
Arkansas	2,701	2,871	2,790	-3.2
Louisiana	2,470	2,694	2,659	-7.1
Oklahoma	4,067	4,012	4,118	-1.2
Texas	10,287	10,634	10,628	-3.2
Mountain Total	11,303	13,027	14,562	-22.4
Arizona.....	1,992	2,938	2,998	-33.6
Colorado	3,028	2,835	3,622	-16.4
Idaho.....	-	-	-	-
Montana.....	508	504	511	-6
Nevada.....	1,239	1,329	1,356	-8.6
New Mexico.....	814	822	967	-15.8
Utah.....	1,526	2,021	2,250	-32.2
Wyoming.....	2,197	2,577	2,857	-23.1
Pacific Total	1,052	1,756	2,341	-55.1
Alaska.....	1	1	1	.0
California.....	-	-	-	-
Hawaii	-	-	-	-
Oregon.....	203	260	399	-49.2
Washington.....	848	1,495	1,941	-56.3
U.S. Total	114,623	119,472	126,304	-9.2

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

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

Census Division and State	December 31, 1996	September 30, 1996	December 31, 1995	Percent Difference December 31: 1996 versus 1995
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.....	748	868	841	-11.0
East North Central Total	1,335	1,266	1,282	4.1
Illinois.....	w	w	w	w
Indiana.....	469	486	412	13.7
Michigan.....	w	w	w	w
Ohio.....	81	83	136	-40.5
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.....	197	246	233	-15.4
Kentucky.....	w	w	w	w
Mississippi.....	-	-	-	-
Tennessee.....	-	-	-	-
West South Central Total	-	-	-	-
Arkansas.....	-	-	-	-
Louisiana.....	-	-	-	-
Oklahoma.....	-	-	-	-
Texas.....	-	-	-	-
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.....	230	226	230	-1
Furnace Coke Plants.....	2,437	2,588	2,402	1.4
U.S. Total	2,667	2,814	2,632	1.3

^w Withheld to avoid disclosure of individual company data.

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

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

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

Census Division and State	December 31, 1996	September 30, 1996	December 31, 1995	Percent Difference December 31: 1996 versus 1995
New England Total	60	46	60	*
Connecticut.....	—	—	—	—
Maine.....	w	w	w	w
Massachusetts.....	w	w	w	w
New Hampshire.....	—	—	—	—
Rhode Island.....	—	—	—	—
Vermont.....	—	—	—	—
Middle Atlantic Total	w	w	w	w
New Jersey.....	w	w	w	w
New York.....	192	166	203	-5.4
Pennsylvania.....	231	184	218	6.2
East North Central Total	1,862	1,569	2,031	-8.3
Illinois.....	252	226	333	-24.2
Indiana.....	384	289	451	-14.9
Michigan.....	827	681	822	.5
Ohio.....	118	106	138	-14.9
Wisconsin.....	281	267	286	-1.8
West North Central Total	1,220	1,178	981	24.3
Iowa.....	570	671	524	8.7
Kansas.....	16	15	10	64.7
Minnesota.....	277	194	87	218.1
Missouri.....	158	153	138	14.5
Nebraska.....	w	w	w	w
North Dakota.....	w	w	w	w
South Dakota.....	17	30	58	-69.9
South Atlantic Total	w	w	w	w
Delaware.....	w	w	w	w
District of Columbia.....	—	—	—	—
Florida.....	89	85	64	40.2
Georgia.....	121	132	129	-6.3
Maryland.....	30	22	24	27.2
North Carolina.....	112	130	140	-19.8
South Carolina.....	198	152	160	23.5
Virginia.....	133	128	177	-25.0
West Virginia.....	136	137	105	30.0
East South Central Total	w	w	w	w
Alabama.....	135	170	133	1.2
Kentucky.....	83	104	120	-30.3
Mississippi.....	w	w	w	w
Tennessee.....	234	208	215	9.1
West South Central Total	361	350	370	-2.3
Arkansas.....	18	24	29	-37.9
Louisiana.....	w	w	w	w
Oklahoma.....	w	w	w	w
Texas.....	190	197	201	-5.6
Mountain Total	232	330	313	-26.0
Arizona.....	32	43	34	-5.9
Colorado.....	28	25	59	-53.1
Idaho.....	w	w	w	w
Montana.....	w	w	w	w
Nevada.....	w	w	w	w
New Mexico.....	w	w	w	w
Utah.....	5	3	7	-19.6
Wyoming.....	71	72	79	-10.7
Pacific Total	222	188	245	-9.2
Alaska.....	w	w	w	w
California.....	150	134	133	12.4
Hawaii.....	w	w	w	w
Oregon.....	w	w	w	w
Washington.....	8	9	28	-69.2
U.S. Total	5,689	5,302	5,702	-2

* Rounded to zero.

w Withheld to avoid disclosure of individual company data.

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

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

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

SIC Code	December 31, 1996	September 30, 1996	December 31, 1995	Percent Difference December 31: 1996 versus 1995
20 Food and kindred products.....	754	975	861	-12.5
21 Tobacco products.....	27	24	43	-36.7
22 Textile mill products.....	115	92	126	-8.3
23 Apparel, other textile products.....	w	w	w	w
24 Lumber and wood products.....	w	w	w	w
25 Furniture and fixtures.....	23	26	23	1.0
26 Paper and allied products.....	1,100	975	1,079	2.0
27 Printing and publishing.....	w	w	w	w
28 Chemicals, allied products.....	883	784	823	7.2
29 Petroleum and coal products ¹	129	70	96	33.7
30 Rubber, misc. plastic products.....	9	10	12	-27.3
31 Leather, leather products.....	w	w	w	w
32 Stone, clay, glass products.....	1,665	1,560	1,695	-1.8
33 Primary metal industries ²	718	527	617	16.4
34 Fabricated metal products.....	30	36	58	-47.3
35 Machinery, except electric.....	89	61	78	13.7
36 Electric, electronic equipment.....	w	w	w	w
37 Transportation equipment.....	86	87	100	-14.0
38 Instruments, related products.....	w	w	w	w
39 Misc. manufacturing industries.....	w	w	w	w
U.S. Total.....	5,689	5,302	5,702	-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 50. Coke and Breeze Stocks at Coke Plants
(Thousand Short Tons)

	December 31, 1996	September 30, 1996	December 31, 1995	Percent Difference December 31: 1996 versus 1995
Coke Total.....	1,323	1,158	1,302	1.7
By State				
Alabama.....	138	116	81	70.6
Illinois.....	w	w	w	w
Indiana.....	356	387	393	-9.5
Kentucky.....	w	w	w	w
Michigan.....	w	w	w	w
New York.....	w	w	w	w
Ohio.....	44	22	196	-77.7
Pennsylvania.....	197	293	191	3.3
Utah.....	w	w	w	w
Virginia.....	w	w	w	w
West Virginia.....	w	w	w	w
By Plant Type				
Merchant Coke Plants.....	160	142	112	42.5
Furnace Coke Plants.....	1,163	1,016	1,189	-2.2
Breeze Total.....	161	126	136	19.0

^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."

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

Coal-Producing State	December 31, 1996	September 30, 1996	December 31, 1995	Percent Difference December 31: 1996 versus 1995
Alabama.....	1,247	1,218	1,358	-8.2
Alaska.....	6	15	26	-78.0
Arizona.....	2,232	2,231	2,760	-19.1
Arkansas.....	1	3	4	-59.9
Colorado.....	487	1,295	1,063	-54.1
Illinois.....	1,310	1,348	2,069	-36.7
Indiana.....	831	690	611	36.0
Kansas.....	17	17	27	-37.7
Kentucky Total.....	5,584	4,213	4,777	16.9
Eastern.....	4,912	3,292	4,088	20.1
Western.....	672	921	689	-2.5
Louisiana.....	230	123	309	-25.4
Maryland.....	141	283	269	-47.7
Missouri.....	-	2	-	-
Montana.....	571	575	718	-20.6
New Mexico.....	1,940	2,876	2,015	-3.7
North Dakota.....	1,574	1,738	1,797	-12.4
Ohio.....	532	698	1,374	-61.2
Oklahoma.....	7	11	2	188.8
Pennsylvania Total.....	2,031	2,488	2,487	-18.4
Anthracite.....	256	412	389	-34.3
Bituminous.....	1,775	2,076	2,098	-15.4
Tennessee.....	16	22	88	-81.9
Texas.....	1,965	1,341	864	127.3
Utah.....	1,180	1,478	1,946	-39.3
Virginia.....	2,085	4,577	1,649	26.4
Washington.....	*	*	59	-99.7
West Virginia Total.....	5,344	4,929	6,176	-13.5
Northern.....	660	747	1,959	-66.3
Southern.....	4,684	4,182	4,217	11.1
Wyoming.....	1,735	1,608	1,997	-13.1
Appalachian Total.....	16,308	17,505	17,489	-6.8
Interior Total.....	5,032	4,458	4,575	10.0
Western Total.....	9,725	11,817	12,381	-21.5
East of the Miss. River.....	19,120	20,465	20,858	-8.3
West of the Miss. River.....	11,945	13,315	13,587	-12.1
U.S. Total.....	31,065	33,780	34,444	-9.8

* Rounded to zero.

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

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

Appendix A

U.S. Coal Imports

Appendix A

U.S. Coal Imports

The United States imported 1.8 million short tons of coal in the fourth quarter of 1996, 14 percent lower than in the previous quarter and in the comparable quarter in 1995. This brought total U.S. coal imports in 1996 to 7.1 million short tons, the lowest level since 1992 and slightly lower than in 1995.

In 1996, Colombia continued to be the leading source of imported coal, followed by Indonesia, Venezuela, and Canada. Colombian imports totaled 2.5 million short tons, declining 8 percent from their 1995 total of 2.7 million short tons. With a steady rise in coal ship-

ments throughout the year, Indonesia became the second leading source of U.S. coal imports. Shipments from Indonesia amounted to 1.5 million short tons, up 51 percent from the 1 million short tons delivered in 1995. Venezuelan coal imports were 1.5 million short tons, down 21 percent from the 1.8 million short tons sent to U.S. markets a year ago. Valued at approximately \$238 million, coal imports in 1996 had an average price of \$33.45 per short ton, 2 percent less than the 1995 average price of \$34.13 per short ton.

Receipts of imported coal at electric utilities in the fourth quarter of 1996 totaled 1.1 million short tons, down 24 percent from the previous quarter and 5 percent lower than in the same quarter a year earlier. In 1996, U.S. electric utility plants received 4.7 million short tons of imported coal. This was 6 percent higher than the 4.4 million short tons of coal delivered in 1995. The St. Johns Plant of the Jacksonville Electric Authority received 1.4 million short tons, 30 percent of total coal imports received at U.S. electric utility plants in 1996. Coal receipts at the Davant Transfer Plant of Tampa Electric, the second highest electric utility coal importer, totaled 808 thousand short tons compared with 349 thousand short tons received in 1995.

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

Year	January - March		April - June		July - September		October - December		U.S. Total	
	Quantity	Average Price	Quantity	Average Price	Quantity	Average Price	Quantity	Average Price	Quantity	Average Price
1988.....	542	\$28.94	587	\$33.74	437	\$26.77	567	\$29.47	2,134	\$29.96
1989.....	531	33.65	687	34.19	925	34.92	708	33.44	2,851	34.14
1990.....	735	35.07	674	33.67	514	32.05	776	36.14	2,699	34.45
1991.....	938	33.71	730	34.60	984	31.45	738	33.16	3,390	33.12
1992.....	679	33.63	1,043	32.96	882	34.43	1,199	33.08	3,803	33.46
1993.....	1,213	30.70	1,093	32.26	2,142	29.52	2,861	28.91	7,309	29.89
1994.....	1,850	28.86	1,577	28.73	2,304	30.92	1,853	31.93	7,584	30.21
1995.....	1,795	32.33	1,609	36.16	1,725	33.61	2,071	34.54	7,201	34.13
1996.....	1,713	33.52	1,552	32.46	2,071	33.19	1,790	34.55	7,126	33.45

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

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

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

(Thousand Short Tons and Dollars per Short Ton)

Year and Quarter	Australia	Canada	Colombia	Indonesia	Malaysia	Venezuela	Other Countries	Total
Quantity								
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	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
July - September	50	383	704	284	–	305	*	1,725
October - December	46	363	797	305	–	560	*	2,071
Total	212	1,320	2,737	1,018	–	1,846	68	7,201
1996								
January - March	78	364	629	248	–	394	*	1,713
April - June	–	331	551	303	–	367	*	1,552
July - September	24	359	804	469	–	411	4	2,071
October - December	63	372	542	515	–	292	6	1,790
Total	165	1,427	2,527	1,535	–	1,463	10	7,126
Average Price								
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	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
July - September	31.37	34.48	30.25	35.54	–	35.85	25.70	33.05
October - December	32.18	31.96	32.38	33.30	–	35.40	25.70	33.32
Total	30.99	32.59	31.15	35.13	–	35.14	46.29	33.11
1996								
January - March	33.84	28.55	31.15	39.04	–	33.74	22.68	32.60
April - June	–	32.34	30.75	32.83	–	28.06	–	30.76
July - September	32.51	34.53	31.55	29.87	–	30.19	33.92	31.23
October - December	33.22	37.23	32.13	31.42	–	31.97	34.11	32.66
Total	33.41	32.86	31.40	32.45	–	30.97	33.43	31.82

* Rounded to zero.

Notes: Total may not equal sum of components because of independent rounding. Average price is based on the customs import value. Beginning in 1989, the average prices presented in this table are representative prices for coal imports that fall within the range of \$20 and \$55, inclusively. Therefore, the Total price column in this table will not equal the U.S. Total prices in Table A1. Coal imports include coal to Puerto Rico and the Virgin Islands.

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

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

Customs District	October - December 1996	July - September 1996	October - December 1995	Year to Date		
				1996	1995	Percent Change
U.S. Total	1,789,683	2,070,562	2,071,051	7,125,848	7,201,072	-1.0
Exporting Country: Australia						
Honolulu, HI.....	63,106	23,845	45,957	164,793	211,702	-22.2
Total	63,106	23,845	45,957	164,793	211,702	-22.2
Exporting Country: Canada						
Chicago, IL.....	57,275	32,378	29,411	238,592	64,368	270.7
Detroit, MI.....	127,448	126,922	119,946	374,566	421,633	-11.2
Duluth, MN.....	67,122	79,332	62,453	291,346	244,278	19.3
Great Falls, MT.....	-	-	-	25	645	-96.1
Pembina, ND.....	112,669	120,254	150,764	501,752	570,590	-12.1
Buffalo, NY.....	-	219	-	219	-	-
Ogdensburg, NY.....	-	-	-	50	-	-
Seattle, WA.....	7,828	-	-	19,954	18,228	9.5
Total	372,342	359,105	362,574	1,426,504	1,319,742	8.1
Exporting Country: Colombia						
Mobile, AL.....	31,417	36,248	69,000	160,781	196,117	-18.0
Miami, FL.....	-	-	-	-	26,035	-
Tampa, FL.....	316,915	508,891	326,779	1,419,408	1,284,056	10.5
New Orleans, LA.....	772	-	-	772	-	-
Boston, MA.....	167,453	229,213	287,259	812,290	758,371	7.1
Baltimore, MD.....	-	-	-	-	28,328	-
Portland, ME.....	25,903	19,510	29,057	90,037	146,022	-38.3
Pembina, ND.....	-	26	-	26	-	-
Buffalo, NY.....	-	-	2,034	31	2,034	-98.5
Philadelphia, PA.....	-	-	-	27,364	55,399	-50.6
San Juan, PR.....	-	10,073	82,411	10,073	240,571	-95.8
Houston-Galveston, TX.....	-	-	-	6,022	-	-
Total	542,460	803,961	796,540	2,526,804	2,736,933	-7.7
Exporting Country: Indonesia						
Honolulu, HI.....	176,363	178,030	170,855	645,383	633,083	1.9
New Orleans, LA.....	298,310	291,262	134,639	807,820	345,422	133.9
Portland, ME.....	39,895	-	-	81,783	39,928	104.8
Total	514,568	469,292	305,494	1,534,986	1,018,433	50.7
Exporting Country: Venezuela						
Mobile, AL.....	-	-	294,231	127,703	912,438	-86.0
Savannah, GA.....	-	54,673	-	118,509	-	-
Boston, MA.....	233,755	250,378	230,983	990,944	726,515	36.4
Portland, ME.....	-	46,137	28,004	75,032	178,282	-57.9
Philadelphia, PA.....	27,688	36,132	-	63,820	-	-
San Juan, PR.....	30,212	23,271	7,069	86,828	7,069	NM
Virgin Islands.....	-	-	-	-	22,046	-
Total	291,655	410,591	560,287	1,462,836	1,846,350	-20.8
Other Exporting Countries						
Los Angeles, CA.....	2	-	-	2	-	-
San Diego, CA.....	-	-	-	-	49	-
Tampa, FL.....	-	-	-	-	53	-
Chicago, IL.....	-	-	-	-	26	-
New Orleans, LA.....	-	-	-	-	42,439	-
Baltimore, MD.....	-	-	-	99	-	-
St Louis, MO.....	-	1	-	1	-	-
Buffalo, NY.....	407	1,977	-	2,408	-	-
New York City, NY.....	-	-	143	65	522	-87.5
San Juan, PR.....	-	-	-	-	24,656	-
Houston-Galveston, TX.....	29	12	-	41	-	-
Laredo, TX.....	5,114	1,778	56	7,309	167	NM
Total	5,552	3,768	199	9,925	67,912	-85.4

NM Changes of 500 percent or more are not shown.

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

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

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

Customs District	October - December 1996	July - September 1996	October - December 1995	Year to Date		
				1996	1995	Percent Change
Total	\$32.66	\$31.23	\$33.32	\$31.82	\$33.11	-3.9
Exporting Country: Australia						
Honolulu, HI	\$33.22	\$32.51	\$32.18	\$33.41	\$30.99	7.8
Total	33.22	32.51	32.18	33.41	30.99	7.8
Exporting Country: Canada						
Chicago, IL	-	-	-	\$22.38	-	-
Detroit, MI	\$44.81	\$44.13	\$41.23	44.03	\$40.69	8.2
Duluth, MN	-	-	-	48.96	38.49	27.2
Pembina, ND	28.40	23.25	24.14	25.35	25.13	.9
Seattle, WA	28.02	-	-	28.12	26.94	4.4
Total	37.23	34.53	31.96	32.86	32.59	.8
Exporting Country: Colombia						
Mobile, AL	\$29.04	\$28.92	\$27.37	\$28.35	\$27.30	3.8
Miami, FL	-	-	-	-	42.49	-
Tampa, FL	31.70	31.95	32.13	31.98	31.73	.8
New Orleans, LA	32.64	-	-	32.64	-	-
Boston, MA	33.38	31.04	33.25	30.55	29.54	3.4
Baltimore, MD	-	-	-	-	33.52	-
Portland, ME	32.92	-	30.84	33.45	30.30	10.4
Philadelphia, PA	-	-	-	37.73	35.43	6.5
San Juan, PR	-	32.30	35.15	32.30	34.27	-5.8
Houston-Galveston, TX	-	-	-	34.47	-	-
Total	32.13	31.55	32.38	31.40	31.15	.8
Exporting Country: Indonesia						
Honolulu, HI	\$44.74	\$43.85	\$43.15	\$43.90	\$42.73	2.7
New Orleans, LA	21.41	21.32	20.81	22.03	22.00	.2
Portland, ME	47.30	-	-	45.05	28.29	59.2
Total	31.42	29.87	33.30	32.45	35.13	-7.6
Exporting Country: Venezuela						
Mobile, AL	-	-	\$40.79	\$40.79	\$40.76	0.1
Savannah, GA	-	\$20.39	-	22.01	-	-
Boston, MA	\$31.07	30.73	29.22	30.33	28.69	5.7
Portland, ME	-	30.81	30.53	28.03	33.40	-16.1
Philadelphia, PA	39.19	39.11	-	39.14	-	-
San Juan, PR	32.30	32.30	32.25	32.53	32.25	.9
Virgin Islands	-	-	-	-	29.94	-
Total	31.97	30.19	35.40	30.97	35.14	-11.9
Other Exporting Countries						
New Orleans, LA	-	-	-	-	\$46.42	-
New York City, NY	-	-	\$25.70	-	25.70	-
Laredo, TX	\$34.11	\$33.92	-	\$33.43	-	-
Total	34.11	33.92	25.70	33.43	46.29	-27.8

Notes: Total may not equal sum of components because of independent rounding. Average price is based on the customs import value. Beginning in 1989, the average prices presented in this table are representative prices for coal imports that fall within the range of \$20 and \$55, inclusively. Therefore, the Total price column in this table will not equal the U.S. Total prices in Table A1.

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

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

Company and Plant	October - December 1996	July - September 1996	October - December 1995	Year to Date		
				1996	1995	Percent Change
U.S. Total	1,116,209	1,434,883	1,152,042	4,699,321	4,398,122	6.8
Exporting Country: Canada						
Takoma Dept. of Public Utilities, Steam No.2	6,500	-	5,640	18,030	23,799	-24.2
Total	6,500	-	5,640	18,030	23,799	-24.2
Exporting Country: Colombia						
Delmarva Power and Light, Indian River	-	-	7,143	-	7,143	-
Jacksonville Electric Authority, St Johns River	316,920	564,730	342,760	1,417,220	1,340,640	5.7
New England Power (NEES), Brayton Point.....	96,700	101,900	111,800	427,500	307,800	38.9
New England Power (NEES), Salem Harbor.....	25,400	45,600	85,400	202,900	250,100	-18.9
Public Serv Co of New Hampshire, Merrimack	-	-	-	-	11,509	-
Public Serv Co of New Hampshire, Schiller	-	-	-	32,325	122,863	-73.7
Total	439,020	712,230	547,103	2,079,945	2,040,055	2.0
Exporting Country: Indonesia						
Public Serv Co of New Hampshire, Schiller	25,903	-	39,772	25,903	79,700	-67.5
Tampa Electric, Davant Transfer.....	298,307	291,259	64,823	807,803	348,854	131.6
Total	324,210	291,259	104,595	833,706	428,554	94.5
Exporting Country: Venezuela						
Central Hudson Gas & Electric, Danskammer	-	-	-	-	28,189	-
Gulf Power, Crist.....	-	-	157,650	205,950	776,750	-73.5
Gulf Power, Smith.....	-	-	3,050	92,250	114,650	-19.5
New England Power (NEES), Brayton Point.....	101,300	188,300	219,100	572,400	510,600	12.1
New England Power (NEES), Salem Harbor.....	148,400	137,100	86,900	563,100	393,100	43.2
Public Serv Co of New Hampshire, Merrimack	39,900	-	-	39,900	-	-
Public Serv Co of New Hampshire, Schiller	28,879	27,254	28,004	56,133	82,425	-31.9
Savannah Electric and Power, Port Wentworth	-	78,740	-	209,907	-	-
United Illuminating Co, Bridgeport Harbor	28,000	-	-	28,000	-	-
Total	346,479	431,394	494,704	1,767,640	1,905,714	-7.2

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

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

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

Exporting Country and Time Period	Quantity (thousand short tons)	Average Quality 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.....	88.0	12,379	.66	7.36	147.3	36.46
Company and Plant: Cajun Electric Power Coop, Big Cajun No. 2						
Indonesia						
1994.....	169.2	9,702	0.10	1.20	166.8	32.36
Company and Plant: Carolina Power and Light, Sutton						
Colombia						
1994.....	26.6	12,200	0.70	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.....	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.....	22.0	12,370	0.58	5.98	168.2	41.61
Company and Plant: Delmarva Power and Light, Indian River						
Colombia						
1995						
October - December.....	7.1	13,141	0.75	7.07	180.3	47.39
Total	7.1	13,141	.75	7.07	180.3	47.39
Company and Plant: Detroit Edison Co, River Rouge						
Canada						
1994.....	57.0	11,005	0.23	10.28	149.9	32.99
Company and Plant: Florida Power Corp, IMT Transfer						
Venezuela						
1994.....	84.4	12,778	0.64	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.....	29.8	12,239	.59	5.30	160.9	39.38

See footnotes at the end of Table A6.

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

Exporting Country and Time Period	Quantity (thousand short tons)	Average Quality 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						
Venezuela						
1993.....	234.8	12,992	0.59	6.11	172.2	44.75
1994.....	283.4	12,252	1.03	6.28	216.9	53.15
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
July - September.....	246.5	12,392	.94	6.38	231.0	57.25
October - December.....	157.6	12,321	.92	6.16	231.5	57.04
Total.....	776.7	12,363	.92	6.29	230.9	57.09
1996						
January - March.....	143.8	12,242	.94	6.06	231.6	56.70
April - June.....	62.1	12,181	.98	5.52	228.0	55.54
Total.....	205.9	12,224	.95	5.90	230.5	56.35
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.....	286.6	12,299	.61	4.17	172.3	42.39
South Africa						
1994.....	127.3	11,318	.65	12.60	181.1	41.00
Venezuela						
1994.....	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
July - September.....	20.9	12,189	1.26	6.53	235.3	57.36
October - December.....	3.0	12,284	.91	6.00	235.0	57.73
Total.....	114.6	12,202	1.00	6.52	236.1	57.63
1996						
January - March.....	83.0	12,193	.96	5.98	234.9	57.28
April - June.....	9.3	11,978	1.26	6.50	232.8	55.77
Total.....	92.2	12,171	.99	6.03	234.7	57.13
Company and Plant: Holyoke Water Power (NU), Mount Tom						
Indonesia						
1994.....	7.9	12,651	0.43	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.....	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
July - September.....	400.0	11,810	.66	7.48	153.8	36.32
October - December.....	342.8	11,797	.64	7.61	153.2	36.14
Total.....	1,340.6	11,826	.67	7.52	151.5	35.82

See footnotes at the end of Table A6.

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

Exporting Country and Time Period	Quantity (thousand short tons)	Average Quality 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						
Colombia						
1996						
January - March.....	304.1	11,824	0.63	7.50	153.4	36.27
April - June.....	231.5	11,798	.63	7.80	153.5	36.21
July - September.....	564.7	11,802	.66	7.95	153.2	36.17
October - December.....	316.9	11,820	.70	7.41	151.4	35.78
Total.....	1,417.2	11,810	.66	7.71	152.9	36.11
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.....	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
July - September.....	77.1	12,178	.61	5.31	162.1	39.48
October - December.....	111.8	12,247	.60	4.70	161.9	39.65
Total.....	307.8	12,218	.60	5.22	164.6	40.23
1996						
January - March.....	104.1	11,740	.64	5.45	156.7	36.80
April - June.....	124.8	12,138	.58	5.50	172.2	41.80
July - September.....	101.9	12,095	.55	5.59	168.0	40.63
October - December.....	96.7	12,063	.58	5.57	174.1	42.02
Total.....	427.5	12,014	.59	5.52	168.0	40.35
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.....	351.2	12,955	.71	7.03	154.2	39.95
1995						
January - March.....	133.9	12,912	.66	7.38	163.6	42.25
April - June.....	71.9	12,879	.64	6.18	176.8	45.55
July - September.....	85.7	12,440	.68	7.19	153.2	38.11
October - December.....	219.1	12,819	.73	7.03	154.8	39.69
Total.....	510.6	12,788	.69	7.03	160.0	40.92
1996						
January - March.....	40.7	12,958	.75	7.30	158.6	41.11
April - June.....	242.1	12,800	.67	6.31	154.9	39.65
July - September.....	188.3	13,128	.64	5.85	173.4	45.52
October - December.....	101.3	12,901	.67	6.64	160.8	41.49
Total.....	572.4	12,937	.67	6.29	162.4	42.01
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.....	84.2	12,017	.57	6.07	159.9	38.44

See footnotes at the end of Table A6.

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

Exporting Country and Time Period	Quantity (thousand short tons)	Average Quality 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						
Colombia						
1995						
April - June.....	83.8	12,110	0.58	5.60	141.0	34.14
July - September.....	80.9	12,136	.57	5.32	139.3	33.80
October - December.....	85.4	12,250	.65	4.88	162.8	39.88
Total.....	250.1	12,166	.60	5.26	147.9	35.99
1996						
January - March.....	88.0	12,148	.58	5.62	146.7	35.63
April - June.....	43.9	12,095	.60	5.59	146.7	35.49
July - September.....	45.6	12,041	.58	6.60	146.8	35.35
October - December.....	25.4	11,802	.49	5.11	161.9	38.21
Total.....	202.9	12,069	.57	5.77	148.6	35.86
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.....	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
July - September.....	76.7	12,817	.67	6.31	173.9	44.59
October - December.....	86.9	12,798	.62	6.48	146.8	37.56
Total.....	393.1	12,846	.65	6.34	162.4	41.72
1996						
January - March.....	150.9	12,856	.72	6.25	153.4	39.43
April - June.....	126.7	12,784	.71	6.02	169.3	43.29
July - September.....	137.1	13,027	.69	5.98	154.2	40.17
October - December.....	148.4	12,732	.66	6.38	147.1	37.45
Total.....	563.1	12,849	.70	6.17	155.5	39.96
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
1996						
October - December.....	39.9	12,370	.39	3.70	213.2	52.75
Total.....	39.9	12,370	.39	3.70	213.2	52.75
Company and Plant: Public Serv Co of New Hampshire, Schiller						
Canada						
1990.....	33.6	13,459	1.30	5.90	181.0	48.72

See footnotes at the end of Table A6.

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

Exporting Country and Time Period	Quantity (thousand short tons)	Average Quality 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						
1992.....	48.4	12,428	0.61	6.31	157.2	39.08
1993.....	52.1	12,861	.64	7.49	150.0	38.59
1994.....	163.3	12,505	.62	5.55	135.5	33.89
1995						
January - March.....	27.5	12,271	.66	5.90	161.9	39.73
April - June.....	70.4	13,062	.62	7.54	161.3	42.14
July - September.....	25.0	12,312	.56	5.20	153.8	37.87
Total.....	122.9	12,733	.62	6.70	160.0	40.73
1996						
January - March.....	32.3	12,169	.66	5.68	161.9	39.41
Total.....	32.3	12,169	.66	5.68	161.9	39.41
Indonesia						
1993.....	16.0	12,620	.49	3.80	161.3	40.71
1994.....	113.0	12,360	.53	3.58	158.7	39.23
1995						
July - September.....	39.9	12,756	.50	3.52	174.4	44.49
October - December.....	39.8	11,842	.54	5.60	160.7	38.06
Total.....	79.7	12,300	.52	4.56	167.8	41.28
1996						
October - December.....	25.9	12,412	.72	8.20	161.9	40.19
Total.....	25.9	12,412	.72	8.20	161.9	40.19
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
October - December.....	28.0	13,011	.73	7.20	159.9	41.61
Total.....	82.4	13,044	.71	7.24	156.5	40.84
1996						
July - September.....	27.3	13,052	.62	6.30	160.0	41.77
October - December.....	28.9	13,069	.71	5.80	159.7	41.74
Total.....	56.1	13,061	.67	6.04	159.8	41.75
Company and Plant: Public Serv Electric & Gas-NJ, Hudson						
Colombia						
1994.....	22.5	12,870	0.68	6.90	166.9	42.96
Company and Plant: Savannah Electric and Power, Port Wentworth						
Colombia						
1994.....	11.9	11,235	0.69	5.87	214.1	48.12
Venezuela						
1994.....	16.8	12,575	1.12	8.60	168.0	42.25
1996						
January - March.....	28.3	12,303	1.07	5.90	193.2	47.54
April - June.....	102.9	12,320	.98	5.46	141.5	34.86
July - September.....	78.7	11,855	1.21	8.63	153.1	36.30
Total.....	209.9	12,143	1.08	6.71	152.8	37.11
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.....	6.3	9,806	.48	12.80	178.0	34.91

See footnotes at the end of Table A6.

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

Exporting Country and Time Period	Quantity (thousand short tons)	Average Quality 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: Takoma Dept. of Public Utilities, Steam No.2						
Canada						
1995						
January - March.....	6.0	10,012	0.48	13.00	166.0	33.24
July - September.....	12.1	10,139	.47	12.99	166.0	33.66
October - December.....	5.6	9,966	.46	13.59	166.0	33.09
Total.....	23.8	10,066	.47	13.14	166.0	33.42
1996						
April - June.....	11.5	9,892	.44	13.13	174.4	34.51
October - December.....	6.5	9,806	.44	12.68	175.0	34.32
Total.....	18.0	9,861	.44	12.97	174.6	34.44
Company and Plant: Tampa Electric, Big Bend²						
Indonesia						
1991.....	24.3	9,815	0.07	1.20	227.3	44.62
Company and Plant: Tampa Electric, Davant Transfer						
Colombia						
1993.....	222.2	10,844	0.62	7.63	166.6	36.13
Indonesia						
1994.....	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
July - September.....	69.8	9,672	.10	1.10	149.7	28.96
October - December.....	64.8	9,676	.20	1.20	149.7	28.97
Total.....	348.9	9,696	.31	1.16	143.8	27.88
1996						
January - March.....	77.2	9,813	.11	1.30	149.7	29.38
April - June.....	141.1	9,737	.44	1.40	149.7	29.15
July - September.....	291.3	9,516	.17	1.48	149.7	28.49
October - December.....	298.3	9,713	.40	1.55	149.7	29.08
Total.....	807.8	9,655	.29	1.48	149.7	28.91
Venezuela						
1993.....	61.4	11,056	1.48	9.78	220.7	48.80
Company and Plant: United Illuminating Co, Bridgeport Harbor						
Venezuela						
1996						
October - December.....	28.0	13,174	0.61	4.10	185.0	48.74
Total.....	28.0	13,174	.61	4.10	185.0	48.74
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.....	63.3	10,885	.26	10.53	152.4	33.19
1995						
January - March.....	6.0	10,012	.48	13.00	166.0	33.24
July - September.....	12.1	10,139	.47	12.99	166.0	33.66
October - December.....	5.6	9,966	.46	13.59	166.0	33.09
Total.....	23.8	10,066	.47	13.14	166.0	33.42
1996						
April - June.....	11.5	9,892	.44	13.13	174.4	34.51
October - December.....	6.5	9,806	.44	12.68	175.0	34.32
Total.....	18.0	9,861	.44	12.97	174.6	34.44

See footnotes at the end of Table A6.

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

Exporting Country and Time Period	Quantity (thousand short tons)	Average Quality 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						
Colombia						
1990.....	1,112.5	11,978	0.73	6.54	173.4	41.53
1991.....	1,582.6	11,978	.73	7.04	153.1	36.68
1992.....	1,504.1	11,938	.70	6.91	150.9	36.04
1993.....	3,585.1	11,867	.66	6.85	149.0	35.37
1994.....	2,971.8	11,997	.66	6.76	142.7	34.25
1995						
January - March.....	610.6	11,966	.68	6.99	152.8	36.57
April - June.....	299.3	12,154	.62	7.01	152.8	37.14
July - September.....	583.0	11,925	.64	6.79	152.8	36.45
October - December.....	547.1	11,977	.63	6.58	156.9	37.59
Total.....	2,040.1	11,985	.65	6.83	153.9	36.89
1996						
January - March.....	528.5	11,882	.63	6.67	153.4	36.46
April - June.....	400.2	11,936	.61	6.84	158.7	37.88
July - September.....	712.2	11,859	.64	7.53	155.0	36.75
October - December.....	439.0	11,873	.66	6.87	157.1	37.30
Total.....	2,079.9	11,883	.64	7.04	155.7	37.01
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.....	437.3	10,499	.22	1.82	157.4	33.06
1995						
January - March.....	214.2	9,710	.40	1.16	140.1	27.20
July - September.....	109.7	10,794	.25	1.98	160.3	34.61
October - December.....	104.6	10,500	.33	2.87	154.4	32.43
Total.....	428.6	10,181	.35	1.79	149.2	30.37
1996						
January - March.....	77.2	9,813	.11	1.30	149.7	29.38
April - June.....	141.1	9,737	.44	1.40	149.7	29.15
July - September.....	291.3	9,516	.17	1.48	149.7	28.49
October - December.....	324.2	9,928	.42	2.08	150.9	29.97
Total.....	833.7	9,741	.31	1.68	150.2	29.26
South Africa						
1994.....	127.3	11,318	.65	12.60	181.1	41.00
Venezuela						
1990.....	220.1	12,851	.58	6.85	182.6	46.93
1991.....	333.0	13,080	.59	6.54	166.2	43.47
1992.....	240.6	13,206	.69	7.18	164.6	43.49
1993.....	897.5	12,874	.67	6.96	166.4	42.84
1994.....	1,355.2	12,649	.76	6.61	172.3	43.60
1995						
January - March.....	595.1	12,691	.78	6.59	193.4	49.09
April - June.....	386.1	12,574	.77	6.46	203.7	51.23
July - September.....	429.8	12,467	.85	6.54	205.3	51.18
October - December.....	494.7	12,664	.77	6.66	177.9	45.07
Total.....	1,905.7	12,610	.79	6.57	194.1	48.95
1996						
January - March.....	446.7	12,509	.86	6.21	195.8	48.98
April - June.....	543.0	12,621	.78	5.99	165.1	41.68
July - September.....	431.4	12,859	.76	6.43	162.9	41.90
October - December.....	346.5	12,804	.63	5.92	162.7	41.66
Total.....	1,767.6	12,686	.77	6.14	171.7	43.57

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, 1990-1996

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						
Kentucky	667.0	13,241	.73	6.41	152.5	40.39
West Virginia.....	2,787.0	12,457	.68	11.05	146.2	36.42
Total	3,454.0	12,608	.69	10.15	147.5	37.19
1996						
January - March						
Kentucky	206.0	13,012	.73	7.12	152.6	39.72
West Virginia.....	778.0	12,473	.69	11.04	143.4	35.78
Total	984.0	12,585	.70	10.22	145.4	36.60
April - June						
Kentucky.....	140.0	13,045	.74	7.62	147.5	38.48
West Virginia.....	724.0	12,446	.68	11.06	141.6	35.24
Total	864.0	12,543	.69	10.50	142.6	35.76
July - September						
Kentucky.....	150.0	13,192	.72	6.75	150.9	39.80
West Virginia.....	750.0	12,402	.67	11.35	141.8	35.17
Total	900.0	12,533	.68	10.58	143.4	35.94
October - December						
Kentucky.....	115.0	13,098	.77	6.82	152.1	39.84
West Virginia.....	1,002.0	12,431	.68	11.76	141.9	35.28
Total	1,117.0	12,499	.69	11.25	143.0	35.75
Year to Date						
Kentucky.....	611.0	13,080	.74	7.09	150.9	39.48
West Virginia.....	3,254.0	12,437	.68	11.34	142.2	35.37
Total	3,865.0	12,539	.69	10.66	143.6	36.02
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

See footnotes at the end of Table A7.

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

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality 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						
1994						
Colorado.....	37.4	11,957	0.45	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						
Wyoming.....	5,844.5	8,469	.35	4.99	157.6	26.69
Total	5,844.5	8,469	.35	4.99	157.6	26.69
1996						
January - March						
Wyoming.....	1,398.1	8,499	.40	5.10	158.1	26.88
Total	1,398.1	8,499	.40	5.10	158.1	26.88
April - June						
Wyoming.....	1,360.5	8,498	.42	5.24	159.6	27.12
Total	1,360.5	8,498	.42	5.24	159.6	27.12
July - September						
Wyoming.....	1,468.3	8,530	.42	5.14	162.1	27.65
Total	1,468.3	8,530	.42	5.14	162.1	27.65
October - December						
Wyoming.....	1,167.3	8,465	.42	5.24	165.2	27.97
Total	1,167.3	8,465	.42	5.24	165.2	27.97
Year to Date						
Wyoming.....	5,394.2	8,500	.41	5.18	161.1	27.38
Total	5,394.2	8,500	.41	5.18	161.1	27.38
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						
Kentucky.....	495.6	12,584	1.00	9.14	150.7	37.93
West Virginia.....	132.3	12,703	.91	9.82	164.4	41.78
Total	627.9	12,609	.98	9.29	153.6	38.74
1996						
January - March						
Kentucky.....	289.5	12,550	1.00	9.32	149.1	37.43
West Virginia.....	34.7	12,428	.83	12.15	160.6	39.91
Total	324.2	12,537	.98	9.63	150.3	37.70
April - June						
Kentucky.....	142.7	12,584	1.05	9.02	148.9	37.48
West Virginia.....	51.6	12,952	.95	8.77	173.5	44.94
Total	194.3	12,682	1.02	8.96	155.6	39.46
July - September						
Kentucky.....	263.0	12,335	1.05	10.33	152.4	37.60
West Virginia.....	35.9	12,701	.97	9.75	175.9	44.68
Total	298.9	12,379	1.04	10.26	155.3	38.45

See footnotes at the end of Table A7.

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

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality 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: Carolina Power and Light, Sutton						
1996						
October - December						
Kentucky.....	241.1	11,764	0.97	13.35	152.2	35.81
Total	241.1	11,764	.97	13.35	152.2	35.81
Year to Date						
Kentucky.....	936.3	12,293	1.01	10.60	150.8	37.07
West Virginia.....	122.2	12,729	.92	10.02	170.6	43.44
Total	1,058.5	12,343	1.00	10.53	153.1	37.80
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
1995						
Kentucky.....	308.8	12,859	.59	8.29	193.4	49.74
West Virginia.....	292.5	13,112	.67	7.87	198.7	52.11
Venezuela.....	28.2	13,281	.56	7.30	224.1	59.53
Total	629.5	12,995	.62	8.05	197.3	51.28
1996						
January - March						
Kentucky.....	138.5	12,915	.67	8.31	193.7	50.03
West Virginia.....	69.1	12,954	.68	8.07	206.9	53.59
Total	207.6	12,928	.67	8.23	198.1	51.22
April - June						
Kentucky.....	97.2	12,941	.65	8.64	188.2	48.72
West Virginia.....	79.1	13,094	.68	7.91	196.2	51.37
Total	176.3	13,010	.66	8.31	191.8	49.91
July - September						
Kentucky.....	92.1	12,559	.63	8.95	195.1	49.01
West Virginia.....	120.3	13,088	.67	7.78	196.3	51.37
Total	212.4	12,859	.65	8.29	195.8	50.35
October - December						
Kentucky.....	134.6	12,820	.65	8.47	195.1	50.01
West Virginia.....	82.9	13,081	.68	7.75	205.7	53.81
Total	217.5	12,920	.66	8.19	199.1	51.46
Year to Date						
Kentucky.....	462.4	12,822	.65	8.55	193.2	49.55
West Virginia.....	351.4	13,061	.68	7.86	200.5	52.38
Total	813.8	12,925	.66	8.25	196.4	50.77
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

See footnotes at the end of Table A7.

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

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality 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 Power and Light (CSW), Coletto Creek						
1992						
Colorado.....	1,780.7	10,885	0.39	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						
Colorado.....	1,724.7	11,092	.42	6.92	169.2	37.53
Wyoming.....	119.4	8,764	.34	5.20	163.5	28.66
Total	1,844.1	10,941	.41	6.81	168.9	36.95
1996						
January - March						
Colorado.....	396.9	10,477	.38	5.74	142.3	29.82
Wyoming.....	68.1	8,744	.30	5.40	161.0	28.16
Total	465.0	10,224	.37	5.69	144.7	29.58
April - June						
Colorado.....	495.5	10,473	.38	5.87	133.4	27.94
Total	495.5	10,473	.38	5.87	133.4	27.94
July - September						
Colorado.....	458.9	10,498	.40	5.80	130.2	27.35
Total	458.9	10,498	.40	5.80	130.2	27.35
October - December						
Colorado.....	472.3	10,478	.39	5.68	130.7	27.38
Wyoming.....	119.9	8,348	.31	5.92	132.1	22.06
Total	592.2	10,046	.37	5.73	130.9	26.30
Year to Date						
Colorado.....	1,823.5	10,482	.39	5.77	133.8	28.06
Wyoming.....	188.0	8,492	.31	5.73	142.9	24.27
Total	2,011.6	10,296	.38	5.77	134.5	27.70
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
1994						
Kentucky.....	7.0	12,991	.57	6.53	165.3	42.95
Maryland.....	13.3	13,070	.74	6.23	168.2	43.97
Virginia.....	28.6	12,995	.88	8.72	164.7	42.80
West Virginia.....	604.3	13,074	.79	8.74	157.9	41.29
Colombia.....	22.0	12,370	.58	5.98	168.2	41.61
Total	675.2	13,046	.78	8.58	158.8	41.44
1995						
Maryland.....	37.9	12,867	.76	9.73	161.6	41.59
Pennsylvania.....	.6	12,431	.82	10.42	154.7	38.46
West Virginia.....	432.6	12,988	.78	9.04	162.9	42.31
Total	471.1	12,978	.78	9.10	162.8	42.25

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, 1990-1996 (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						
1996						
January - March						
Pennsylvania	0.1	12,559	0.82	10.42	153.1	38.46
West Virginia	110.5	12,944	.77	9.23	160.7	41.60
Total	110.6	12,944	.77	9.23	160.7	41.60
April - June						
West Virginia	136.6	12,942	.76	9.38	159.2	41.21
Total	136.6	12,942	.76	9.38	159.2	41.21
July - September						
Maryland	14.7	12,868	.69	10.30	161.0	41.43
West Virginia	126.7	12,903	.78	9.56	158.9	41.00
Total	141.4	12,899	.77	9.63	159.1	41.05
October - December						
West Virginia	113.5	12,746	.76	10.58	162.3	41.38
Total	113.5	12,746	.76	10.58	162.3	41.38
Year to Date						
Maryland	14.7	12,868	.69	10.30	161.0	41.43
Pennsylvania .....	.1	12,559	.82	10.42	153.1	38.46
West Virginia	487.3	12,887	.77	9.67	160.2	41.28
Total	502.0	12,886	.76	9.69	160.2	41.29
Company and Plant: Delmarva Power and Light, Indian River						
1990						
Kentucky	117.1	12,837	0.67	7.25	193.9	49.79
Maryland	20.9	12,865	1.43	12.20	141.5	36.41
Pennsylvania	422.7	12,964	1.33	9.26	162.8	42.20
Virginia	176.4	13,116	.94	8.56	193.7	50.81
West Virginia	888.5	12,902	.90	9.18	174.9	45.13
Total	1,625.7	12,936	1.01	9.03	174.7	45.21
1991						
Maryland	15.1	13,150	1.59	10.50	141.0	37.08
Pennsylvania	389.5	12,999	1.43	9.21	167.3	43.49
Virginia	61.0	13,029	1.23	8.82	204.5	53.28
West Virginia	1,030.5	12,981	.84	8.80	178.2	46.26
Total	1,496.0	12,990	1.02	8.92	176.0	45.73
1992						
Pennsylvania	137.4	13,104	1.40	9.31	177.9	46.62
West Virginia	840.2	13,034	1.12	8.88	166.1	43.29
Total	977.6	13,044	1.16	8.94	167.7	43.76
1993						
Maryland	45.1	12,966	1.29	9.49	160.4	41.59
Pennsylvania	216.3	12,971	1.32	9.58	164.2	42.60
Virginia	14.0	13,273	.77	6.90	188.2	49.96
West Virginia	1,290.6	12,980	.90	9.25	163.3	42.40
Total	1,565.9	12,981	.97	9.28	163.6	42.48
1994						
Kentucky	29.4	12,899	.59	6.90	179.3	46.25
Maryland	125.0	13,164	1.44	10.23	147.9	38.95
Pennsylvania	251.2	13,004	1.29	8.96	161.1	41.89
Virginia	56.5	13,125	.76	7.30	180.8	47.45
West Virginia	1,146.2	12,858	.88	9.45	164.4	42.27
Total	1,608.3	12,915	.98	9.31	163.4	42.21
1995						
Maryland	227.9	13,155	1.38	9.89	149.3	39.29
Pennsylvania	352.3	13,227	1.44	6.90	148.8	39.37
Virginia	23.2	13,382	1.46	6.53	143.0	38.28
West Virginia	638.7	13,050	.76	8.71	172.6	45.04
Colombia	7.1	13,141	.75	7.07	180.3	47.39
Total	1,249.2	13,126	1.08	8.36	161.1	42.28
1996						
January - March						
Maryland	21.9	12,995	1.50	9.23	149.1	38.76
Pennsylvania	130.9	13,311	1.47	6.46	145.0	38.60
West Virginia	43.1	12,906	.71	8.43	176.8	45.63
Total	195.9	13,187	1.30	7.20	152.3	40.16

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, 1990-1996 (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 and Light, Indian River						
1996						
April - June						
Maryland.....	56.0	13,126	1.46	9.97	147.1	38.62
Pennsylvania.....	81.1	13,342	1.47	6.66	146.1	39.00
West Virginia.....	162.6	12,902	.70	8.84	172.8	44.59
Total.....	299.8	13,063	1.05	8.46	160.6	41.96
July - September						
Maryland.....	111.8	13,168	1.36	8.91	152.2	40.08
Pennsylvania.....	83.3	13,216	1.40	6.64	145.2	38.39
West Virginia.....	118.0	12,852	.75	9.01	171.8	44.16
Total.....	313.1	13,062	1.14	8.34	157.6	41.16
October - December						
Maryland.....	72.8	13,216	1.42	9.24	147.9	39.10
Pennsylvania.....	95.2	13,202	1.41	7.24	149.3	39.43
West Virginia.....	266.1	12,935	.80	9.16	171.0	44.22
Total.....	434.1	13,041	1.04	8.75	162.2	42.31
Year to Date						
Maryland.....	262.5	13,158	1.41	9.26	149.7	39.38
Pennsylvania.....	390.6	13,271	1.44	6.73	146.3	38.84
West Virginia.....	589.8	12,907	.76	8.99	172.1	44.42
Total.....	1,242.9	13,074	1.11	8.33	159.1	41.60
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						
Colorado.....	44.0	11,818	.48	8.10	149.3	35.29
Kentucky.....	220.0	12,840	.72	7.59	170.2	43.70
West Virginia.....	412.0	12,292	.78	12.35	154.3	37.93
Wyoming.....	614.0	8,766	.26	5.11	105.6	18.51
Total.....	1,290.0	10,691	.51	7.95	138.4	29.58
1996						
January - March						
Kentucky.....	63.0	12,791	.80	7.89	146.1	37.38
West Virginia.....	93.0	12,235	.87	13.11	138.4	33.88
Wyoming.....	123.0	8,767	.26	5.21	106.0	18.59
Total.....	279.0	10,832	.59	8.45	128.9	27.93

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, 1990-1996 (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: Detroit Edison Co, River Rouge						
1996						
April - June						
Kentucky.....	111.0	12,859	0.80	8.04	153.1	39.38
West Virginia.....	83.0	12,033	.83	13.41	140.6	33.83
Wyoming.....	102.0	8,751	.23	4.88	103.9	18.18
Total.....	296.0	11,212	.61	8.46	136.1	30.52
July - September						
Kentucky.....	72.0	12,662	.86	8.38	168.3	42.62
West Virginia.....	81.0	12,104	.87	13.54	141.2	34.19
Wyoming.....	218.0	8,803	.23	4.66	104.0	18.31
Total.....	371.0	10,273	.49	7.32	129.0	26.49
October - December						
Kentucky.....	105.0	12,644	.84	8.57	168.8	42.69
West Virginia.....	75.0	12,337	.83	12.26	145.4	35.88
Wyoming.....	195.0	8,789	.31	5.13	104.1	18.29
Total.....	375.0	10,578	.56	7.52	135.4	28.64
Year to Date						
Kentucky.....	351.0	12,742	.82	8.24	159.6	40.67
West Virginia.....	332.0	12,176	.85	13.10	141.2	34.40
Wyoming.....	638.0	8,783	.26	4.94	104.4	18.34
Total.....	1,321.0	10,688	.56	7.87	132.4	28.31
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						
Kentucky.....	739.7	12,496	.75	9.01	170.4	42.59
West Virginia.....	546.2	12,502	.75	9.48	173.9	43.48
Total.....	1,285.8	12,498	.75	9.21	171.9	42.97
1996						
January - March						
Kentucky.....	224.5	12,689	.68	8.08	168.5	42.76
West Virginia.....	193.0	12,510	.71	10.02	175.7	43.96
Total.....	417.5	12,606	.69	8.97	171.8	43.31
April - June						
Kentucky.....	371.6	12,608	.70	8.50	164.9	41.59
West Virginia.....	237.0	12,495	.69	9.82	174.6	43.63
Total.....	608.7	12,564	.69	9.01	168.7	42.38
July - September						
Kentucky.....	202.5	12,446	.67	9.24	167.1	41.60
West Virginia.....	291.3	12,617	.70	9.85	174.5	44.04
Total.....	493.9	12,547	.69	9.60	171.5	43.04
October - December						
Kentucky.....	186.7	12,548	.66	8.90	168.0	42.15
West Virginia.....	248.5	12,635	.69	10.11	175.1	44.24
Total.....	435.1	12,597	.68	9.59	172.0	43.34
Year to Date						
Kentucky.....	985.4	12,582	.68	8.63	166.8	41.96
West Virginia.....	969.8	12,571	.70	9.94	174.9	43.97
Total.....	1,955.2	12,576	.69	9.28	170.8	42.96
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

See footnotes at the end of Table A7.

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

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality 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						
1990						
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						
Illinois	796.8	12,346	.95	6.34	228.4	56.40
Venezuela.....	776.7	12,363	.92	6.29	230.9	57.09
Total	1,573.6	12,354	.93	6.31	229.6	56.74
1996						
January - March						
Illinois	143.8	12,242	.94	6.06	231.6	56.70
Venezuela	143.8	12,242	.94	6.06	231.6	56.70
Total	287.7	12,242	.94	6.06	231.6	56.70
April - June						
Illinois	382.9	12,217	1.06	6.05	227.4	55.55
Venezuela	62.1	12,181	.98	5.52	228.0	55.54
Total	445.0	12,212	1.05	5.98	227.4	55.55
July - September						
Illinois	372.2	12,121	1.20	6.12	221.1	53.60
Total	372.2	12,121	1.20	6.12	221.1	53.60
October - December						
Illinois	366.5	11,984	1.12	6.85	221.9	53.18
Total	366.5	11,984	1.12	6.85	221.9	53.18
Year to Date						
Illinois	1,265.4	12,124	1.10	6.30	224.4	54.42
Venezuela	205.9	12,224	.95	5.90	230.5	56.35
Total	1,471.4	12,138	1.08	6.25	225.3	54.69
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

See footnotes at the end of Table A7.

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

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality 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, Scholtz						
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						
Kentucky	60.5	12,585	2.74	8.07	152.1	38.28
Total	60.5	12,585	2.74	8.07	152.1	38.28
1996						
January - March						
Kentucky.....	9.0	12,614	3.17	8.00	144.3	36.40
Total	9.0	12,614	3.17	8.00	144.3	36.40
April - June						
Kentucky.....	25.5	11,974	3.05	9.84	135.3	32.41
Total	25.5	11,974	3.05	9.84	135.3	32.41
July - September						
Kentucky.....	44.2	11,904	3.17	9.65	142.0	33.80
Total	44.2	11,904	3.17	9.65	142.0	33.80
Year to Date						
Kentucky.....	78.7	12,008	3.13	9.52	140.1	33.65
Total	78.7	12,008	3.13	9.52	140.1	33.65
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						
Illinois	981.7	11,728	2.26	8.25	143.5	33.67
Venezuela.....	114.6	12,202	1.00	6.52	236.1	57.63
Total	1,096.4	11,777	2.13	8.07	153.6	36.17
1996						
January - March						
Illinois.....	210.7	11,900	1.91	7.67	171.2	40.74
Venezuela.....	83.0	12,193	.96	5.98	234.9	57.28
Total	293.7	11,983	1.64	7.19	189.5	45.41
April - June						
Illinois.....	256.5	11,613	2.23	8.87	132.2	30.71
Kentucky.....	46.2	11,798	2.95	9.44	151.3	35.71
Venezuela.....	9.3	11,978	1.26	6.50	232.8	55.77
Total	312.0	11,651	2.31	8.88	138.2	32.20
July - September						
Illinois.....	128.2	11,783	1.73	7.59	146.2	34.45
Kentucky.....	88.5	11,818	2.96	8.76	173.2	40.95
Total	216.7	11,798	2.23	8.07	157.2	37.10

See footnotes at the end of Table A7.

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

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality 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						
1996						
October - December						
Illinois	115.2	12,002	1.86	6.92	206.4	49.55
Kentucky	151.1	11,970	2.79	6.52	196.5	47.05
Total	266.3	11,984	2.39	6.69	200.8	48.13
Year to Date						
Illinois	710.6	11,792	1.99	7.97	158.6	37.41
Kentucky	285.8	11,895	2.87	7.68	182.1	43.33
Venezuela	92.2	12,171	.99	6.03	234.7	57.13
Total	1,088.7	11,851	2.13	7.73	171.4	40.64
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						
Kentucky	157.3	13,053	.52	7.40	193.3	50.47
Pennsylvania	212.5	13,227	1.37	7.20	156.9	41.50
Total	369.8	13,153	1.01	7.28	172.3	45.31
1996						
January - March						
Kentucky	31.7	13,048	.43	7.46	198.4	51.78
Pennsylvania	26.0	13,319	1.15	7.07	159.7	42.53
Total	57.7	13,170	.75	7.28	180.8	47.61
April - June						
Kentucky	64.0	13,112	.52	7.82	196.9	51.63
Pennsylvania	54.1	13,236	1.29	7.16	160.0	42.34
Total	118.1	13,169	.87	7.52	179.9	47.38
July - September						
Kentucky	8.0	13,138	.48	7.60	196.6	51.66
Pennsylvania	61.9	13,297	1.39	7.16	158.9	42.25
West Virginia	8.4	13,227	.64	8.20	189.1	50.02
Total	78.4	13,273	1.21	7.31	165.9	44.05
October - December						
Kentucky	32.0	13,038	.57	8.08	201.5	52.53
Pennsylvania	83.1	13,341	1.50	6.53	158.8	42.38
Virginia	1.9	14,243	.80	5.20	212.3	60.48
Total	117.0	13,272	1.24	6.93	171.2	45.45
Year to Date						
Kentucky	135.8	13,081	.51	7.78	198.3	51.88
Pennsylvania	225.0	13,301	1.38	6.91	159.2	42.35
Virginia	1.9	14,243	.80	5.20	212.3	60.48
West Virginia	8.4	13,227	.64	8.20	189.1	50.02
Total	371.1	13,224	1.04	7.25	174.3	46.10
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

See footnotes at the end of Table A7.

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

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality 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						
1990						
Colombia.....	1,007.7	11,938	0.74	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
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						
Kentucky.....	1,695.5	12,605	1.25	9.30	168.0	42.35
West Virginia.....	645.7	12,143	.88	12.85	188.2	45.70
Colombia.....	1,340.6	11,826	.67	7.52	151.5	35.82
Total	3,681.8	12,241	.97	9.28	165.7	40.56
1996						
January - March						
Kentucky.....	434.7	12,794	1.29	8.89	166.2	42.53
West Virginia.....	77.3	12,055	1.11	13.19	193.6	46.67
Colombia.....	304.1	11,824	.63	7.50	153.4	36.27
Total	816.1	12,363	1.03	8.78	164.2	40.59
April - June						
Kentucky.....	492.0	12,771	1.28	9.10	168.6	43.07
West Virginia.....	55.9	12,839	2.46	10.00	155.9	40.03
Colombia.....	231.5	11,798	.63	7.80	153.5	36.21
Total	779.5	12,487	1.17	8.78	163.4	40.81
July - September						
Kentucky.....	644.1	12,746	1.26	9.29	163.1	41.57
Colombia.....	564.7	11,802	.66	7.95	153.2	36.17
Total	1,208.8	12,305	.98	8.67	158.7	39.05
October - December						
Kentucky.....	668.7	12,682	1.39	8.97	161.3	40.92
Colombia.....	316.9	11,820	.70	7.41	151.4	35.78
Total	985.6	12,405	1.17	8.47	158.3	39.27
Year to Date						
Kentucky.....	2,239.5	12,742	1.31	9.08	164.4	41.89
West Virginia.....	133.3	12,384	1.68	11.85	177.2	43.88
Colombia.....	1,417.2	11,810	.66	7.71	152.9	36.11
Total	3,790.0	12,381	1.08	8.66	160.7	39.80
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

See footnotes at the end of Table A7.

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

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality 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: Mississippi Power (Southern Co), Daniel						
1992						
Kentucky	810.6	12,988	0.73	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						
Colorado	951.3	11,076	.42	9.89	161.4	35.75
Montana	1,269.5	9,399	.38	4.43	140.0	26.31
Total	2,220.8	10,118	.39	6.77	150.0	30.36
1996						
January - March						
Montana	352.9	9,426	.41	4.41	140.4	26.47
Total	352.9	9,426	.41	4.41	140.4	26.47
April - June						
Colorado	104.2	11,106	.45	9.79	161.4	35.85
Montana	599.2	9,371	.39	4.67	141.3	26.49
Total	703.4	9,628	.40	5.43	144.8	27.88
July - September						
Colorado	403.6	11,472	.46	8.63	158.8	36.44
Montana	258.2	9,396	.41	4.37	136.8	25.70
Total	661.8	10,662	.44	6.97	151.2	32.25
October - December						
Montana	953.0	9,395	.39	4.41	142.2	26.72
Total	953.0	9,395	.39	4.41	142.2	26.72
Year to Date						
Colorado	507.9	11,397	.46	8.87	159.3	36.32
Montana	2,163.3	9,394	.40	4.48	141.0	26.49
Total	2,671.2	9,774	.41	5.31	145.1	28.36
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

See footnotes at the end of Table A7.

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

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality 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						
1993						
Wyoming.....	7.0	8,889	0.30	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						
Kentucky.....	144.6	12,644	.73	7.74	171.9	43.47
West Virginia.....	1,491.6	12,687	.71	9.56	171.3	43.46
Colombia.....	307.8	12,218	.60	5.22	164.6	40.23
Venezuela.....	510.6	12,788	.69	7.03	160.0	40.92
Total	2,454.6	12,647	.69	8.38	168.1	42.53
1996						
January - March						
Kentucky.....	93.0	12,690	.72	8.42	180.5	45.82
West Virginia.....	456.2	12,662	.71	9.97	179.9	45.55
Colombia.....	104.1	11,740	.64	5.45	156.7	36.80
Venezuela.....	40.7	12,958	.75	7.30	158.6	41.11
Total	694.0	12,544	.70	8.93	175.4	44.02
April - June						
Kentucky.....	41.4	12,775	.74	7.54	170.2	43.49
West Virginia.....	516.6	12,535	.68	9.93	172.0	43.12
Colombia.....	124.8	12,138	.58	5.50	172.2	41.80
Venezuela.....	242.1	12,800	.67	6.31	154.9	39.65
Total	924.9	12,562	.67	8.28	167.4	42.05
July - September						
Kentucky.....	80.3	12,605	.66	8.29	171.0	43.12
West Virginia.....	438.0	12,406	.72	10.60	169.0	41.92
Colombia.....	101.9	12,095	.55	5.59	168.0	40.63
Venezuela.....	188.3	13,128	.64	5.85	173.4	45.52
Total	808.5	12,555	.68	8.63	170.1	42.71
October - December						
Kentucky.....	48.2	12,423	.71	8.54	171.8	42.69
West Virginia.....	473.7	12,546	.70	10.20	169.9	42.63
Colombia.....	96.7	12,063	.58	5.57	174.1	42.02
Venezuela.....	101.3	12,901	.67	6.64	160.8	41.49
Total	719.9	12,522	.68	8.97	169.3	42.39
Year to Date						
Kentucky.....	262.9	12,628	.70	8.26	174.4	44.05
West Virginia.....	1,884.5	12,538	.70	10.16	172.7	43.31
Colombia.....	427.5	12,014	.59	5.52	168.0	40.35
Venezuela.....	572.4	12,937	.67	6.29	162.4	42.01
Total	3,147.3	12,547	.68	8.67	170.3	42.73
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
1991						
Virginia.....	120.6	13,938	.77	4.26	172.1	47.97
West Virginia.....	760.4	13,102	1.44	9.66	171.9	45.05
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

See footnotes at the end of Table A7.

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

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality 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						
1992						
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						
West Virginia	117.6	12,643	.68	8.94	183.5	46.41
Colombia	250.1	12,166	.60	5.26	147.9	35.99
Venezuela	393.1	12,846	.65	6.34	162.4	41.72
Total	760.8	12,591	.64	6.39	161.1	40.56
1996						
January - March						
Colombia	88.0	12,148	.58	5.62	146.7	35.63
Venezuela	150.9	12,856	.72	6.25	153.4	39.43
Total	238.9	12,595	.67	6.02	151.0	38.03
April - June						
West Virginia	40.1	13,022	.68	7.62	176.6	45.98
Colombia	43.9	12,095	.60	5.59	146.7	35.49
Venezuela	126.7	12,784	.71	6.02	169.3	43.29
Total	210.7	12,686	.68	6.24	166.2	42.18
July - September						
West Virginia	40.1	12,938	.70	8.11	177.6	45.96
Colombia	45.6	12,041	.58	6.60	146.8	35.35
Venezuela	137.1	13,027	.69	5.98	154.2	40.17
Total	222.8	12,809	.67	6.49	157.0	40.23
October - December						
Kentucky	2.6	12,282	.63	8.35	155.3	38.16
West Virginia	77.0	12,463	.71	10.60	176.1	43.89
Colombia	25.4	11,802	.49	5.11	161.9	38.21
Venezuela	148.4	12,732	.66	6.38	147.1	37.45
Total	253.4	12,553	.66	7.56	157.3	39.49
Year to Date						
Kentucky	2.6	12,282	.63	8.35	155.3	38.16
West Virginia	157.2	12,727	.70	9.20	176.6	44.95
Colombia	202.9	12,069	.57	5.77	148.6	35.86
Venezuela	563.1	12,849	.70	6.17	155.5	39.96
Total	925.8	12,656	.67	6.60	157.6	39.90
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

See footnotes at the end of Table A7.

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

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality 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						
1993						
Kentucky	6.1	12,223	0.88	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
1995						
Ohio	225.7	12,444	3.78	10.17	95.2	23.68
Pennsylvania	179.8	12,635	2.41	10.26	93.0	23.49
West Virginia	158.1	12,320	2.49	11.49	90.5	22.29
Total	563.6	12,470	2.98	10.57	93.1	23.23
1996						
January - March						
Pennsylvania	33.4	11,981	3.38	11.11	77.5	18.56
Total	33.4	11,981	3.38	11.11	77.5	18.56
April - June						
Ohio	2.3	11,043	2.57	10.80	72.6	16.03
West Virginia	176.6	12,258	3.85	9.77	81.4	19.96
Total	178.9	12,242	3.83	9.78	81.3	19.91
July - September						
West Virginia	238.3	12,402	3.75	9.58	80.6	20.00
Total	238.3	12,402	3.75	9.58	80.6	20.00
October - December						
West Virginia	216.0	12,365	3.71	9.81	80.9	20.00
Total	216.0	12,365	3.71	9.81	80.9	20.00
Year to Date						
Ohio	2.3	11,043	2.57	10.80	72.6	16.03
Pennsylvania	33.4	11,981	3.38	11.11	77.5	18.56
West Virginia	630.9	12,349	3.76	9.71	80.9	19.99
Total	666.6	12,326	3.74	9.78	80.7	19.90
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

See footnotes at the end of Table A7.

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

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality 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 Indiana, Gallagher						
1995						
Illinois	445.0	11,913	1.43	7.05	123.4	29.41
Indiana	133.3	11,064	1.31	9.65	116.2	25.72
Pennsylvania	547.4	13,131	2.35	7.97	102.4	26.90
Total	1,125.7	12,405	1.86	7.80	111.9	27.75
1996						
January - March						
Illinois	89.7	11,890	1.33	6.32	121.4	28.87
Kentucky	15.1	12,408	1.71	9.50	113.4	28.14
Pennsylvania	63.1	13,335	2.18	7.71	109.2	29.13
Total	167.9	12,480	1.68	7.13	115.8	28.90
April - June						
Illinois	104.2	11,926	1.60	6.94	111.2	26.53
Kentucky	5.2	12,438	2.13	7.60	108.6	27.02
Pennsylvania	212.2	12,969	2.58	8.32	108.6	28.18
Total	321.6	12,622	2.25	7.86	109.4	27.62
July - September						
Illinois	91.3	12,069	1.49	6.91	113.8	27.46
Kentucky	31.7	12,420	2.21	10.11	110.0	27.32
Pennsylvania	119.6	13,006	2.23	8.05	109.8	28.56
Total	242.6	12,577	1.95	7.89	111.3	27.99
October - December						
Illinois	91.5	12,001	1.47	6.37	116.4	27.95
Indiana	18.1	11,256	1.58	7.15	97.7	21.99
Kentucky	21.6	12,162	2.38	10.41	104.3	25.36
Pennsylvania	136.7	13,056	2.19	7.82	107.6	28.09
Total	267.9	12,502	1.92	7.49	109.6	27.41
Year to Date						
Illinois	376.7	11,970	1.48	6.65	115.5	27.66
Indiana	18.1	11,256	1.58	7.15	97.7	21.99
Kentucky	73.6	12,343	2.15	9.89	108.9	26.89
Pennsylvania	531.6	13,043	2.35	8.06	108.7	28.35
Total	1,000.0	12,555	1.99	7.64	111.0	27.87
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						
Pennsylvania	759.3	13,203	1.49	6.90	161.1	42.53
Virginia	19.1	13,910	.68	7.00	203.5	56.61
West Virginia	223.3	13,366	2.29	6.28	141.7	37.89
Colombia	11.5	11,578	.53	3.80	192.9	44.67
Total	1,013.2	13,234	1.64	6.73	157.9	41.80
1996						
January - March						
Pennsylvania	196.8	13,233	1.52	6.82	161.7	42.80
West Virginia	78.9	13,305	2.28	6.26	142.6	37.94
Total	275.7	13,253	1.74	6.66	156.2	41.41

See footnotes at the end of Table A7.

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

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality 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						
1996						
April - June						
Pennsylvania	178.2	13,213	1.61	6.84	163.3	43.14
Virginia	10.0	13,990	.70	6.20	201.2	56.30
West Virginia	67.7	13,334	2.34	6.57	144.1	38.44
Total	255.9	13,276	1.77	6.74	159.7	42.41
July - September						
Pennsylvania	171.0	13,234	1.54	6.56	161.6	42.77
West Virginia	67.7	13,330	2.58	6.80	146.6	39.08
Total	238.7	13,261	1.83	6.63	157.3	41.73
October - December						
Pennsylvania	169.4	13,253	1.44	6.66	162.6	43.10
Virginia	5.9	14,247	.80	5.20	197.6	56.30
West Virginia	63.7	13,312	2.15	6.99	155.9	41.50
Venezuela	39.9	12,370	.39	3.70	213.2	52.75
Total	278.9	13,161	1.44	6.28	168.7	44.39
Year to Date						
Pennsylvania	715.4	13,233	1.53	6.72	162.3	42.95
Virginia	16.0	14,085	.74	5.83	199.8	56.30
West Virginia	278.0	13,320	2.34	6.64	147.0	39.15
Venezuela	39.9	12,370	.39	3.70	213.2	52.75
Total	1,049.3	13,236	1.69	6.57	160.6	42.52
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
1994						
Colombia	163.3	12,505	.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						
West Virginia	74.1	12,997	.80	8.76	164.3	42.72
Colombia	122.9	12,733	.62	6.70	160.0	40.73
Indonesia	79.7	12,300	.52	4.56	167.8	41.28
Venezuela	82.4	13,044	.71	7.24	156.5	40.84
Total	359.1	12,762	.66	6.77	161.8	41.29
1996						
January - March						
Pennsylvania	29.3	13,098	1.36	7.05	159.0	41.65
Colombia	32.3	12,169	.66	5.68	161.9	39.41
Total	61.7	12,611	.99	6.33	160.5	40.47
April - June						
West Virginia	28.3	13,164	1.33	8.60	154.7	40.73
Total	28.3	13,164	1.33	8.60	154.7	40.73

See footnotes at the end of Table A7.

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

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality 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						
1996						
July - September						
West Virginia	58.4	12,865	1.42	10.06	159.2	40.97
Venezuela	27.3	13,052	.62	6.30	160.0	41.77
Total	85.6	12,924	1.17	8.86	159.5	41.23
October - December						
Kentucky	14.5	12,830	.90	8.40	193.7	49.70
Pennsylvania	14.7	11,932	1.88	25.50	148.7	35.49
West Virginia	14.7	13,142	1.33	8.40	157.1	41.29
Indonesia	25.9	12,412	.72	8.20	161.9	40.19
Venezuela	28.9	13,069	.71	5.80	159.7	41.74
Total	98.7	12,703	1.01	10.13	163.4	41.51
Year to Date						
Kentucky	14.5	12,830	.90	8.40	193.7	49.70
Pennsylvania	44.0	12,708	1.53	13.21	155.8	39.59
West Virginia	101.3	12,988	1.38	9.41	157.6	40.95
Colombia	32.3	12,169	.66	5.68	161.9	39.41
Indonesia	25.9	12,412	.72	8.20	161.9	40.19
Venezuela	56.1	13,061	.67	6.04	159.8	41.75
Total	274.2	12,799	1.09	8.72	160.6	41.11
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						
Kentucky	436.3	13,082	.65	6.77	191.2	50.02
West Virginia	252.1	13,070	.83	7.59	179.5	46.93
Total	688.4	13,078	.71	7.07	186.9	48.89
1996						
January - March						
Kentucky	21.6	13,042	.63	6.76	186.8	48.71
West Virginia	95.5	12,995	.83	8.20	174.8	45.43
Total	117.1	13,004	.80	7.93	177.0	46.03
April - June						
Kentucky	23.9	13,085	.70	7.11	184.9	48.40
West Virginia	115.1	12,773	.82	8.88	174.7	44.64
Total	139.0	12,827	.80	8.57	176.5	45.28
July - September						
Kentucky	45.3	12,899	.66	7.90	177.3	45.73
West Virginia	170.3	12,459	.92	11.37	169.5	42.23
Total	215.6	12,551	.86	10.64	171.2	42.96
October - December						
Kentucky	82.0	13,036	.67	7.60	174.9	45.60
West Virginia	155.9	12,343	.92	12.66	165.3	40.81
Total	237.9	12,582	.83	10.92	168.7	42.46

See footnotes at the end of Table A7.

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

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality 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 Electric & Gas-NJ, Hudson						
1996						
Year to Date						
Kentucky.....	172.8	13,008	0.67	7.51	178.4	46.41
West Virginia.....	536.8	12,588	.88	10.65	170.4	42.90
Total.....	709.6	12,690	.83	9.88	172.4	43.76
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
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						
Kentucky.....	9.9	11,801	.55	14.50	143.0	33.75
Virginia.....	130.3	13,124	.87	9.43	159.0	41.74
Total.....	140.3	13,030	.85	9.79	158.0	41.17
1996						
January - March						
Venezuela.....	28.3	12,303	1.07	5.90	193.2	47.54
Total.....	28.3	12,303	1.07	5.90	193.2	47.54
April - June						
Venezuela.....	102.9	12,320	.98	5.46	141.5	34.86
Total.....	102.9	12,320	.98	5.46	141.5	34.86
July - September						
Venezuela.....	78.7	11,855	1.21	8.63	153.1	36.30
Total.....	78.7	11,855	1.21	8.63	153.1	36.30
Year to Date						
Venezuela.....	209.9	12,143	1.08	6.71	152.8	37.11
Total.....	209.9	12,143	1.08	6.71	152.8	37.11
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

See footnotes at the end of Table A7.

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

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality 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: Takoma Dept. of Public Utilities, Steam No.2						
1994						
Montana	26.4	9,465	0.41	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						
Montana	3.8	9,470	.36	4.64	180.0	34.09
Canada.....	23.8	10,066	.47	13.14	166.0	33.42
Total	27.6	9,983	.46	11.96	167.8	33.51
1996						
January - March						
Montana	3.9	9,516	.50	5.00	176.0	33.50
Total	3.9	9,516	.50	5.00	176.0	33.50
April - June						
Canada	11.5	9,892	.44	13.13	174.4	34.51
Total	11.5	9,892	.44	13.13	174.4	34.51
July - September						
Wyoming .....	.3	8,858	.27	5.13	109.0	19.31
Total .....	.3	8,858	.27	5.13	109.0	19.31
October - December						
Canada	6.5	9,806	.44	12.68	175.0	34.32
Total	6.5	9,806	.44	12.68	175.0	34.32
Year to Date						
Montana	3.9	9,516	.50	5.00	176.0	33.50
Wyoming .....	.3	8,858	.27	5.13	109.0	19.31
Canada	18.0	9,861	.44	12.97	174.6	34.44
Total	22.2	9,788	.45	11.47	174.1	34.09
Company and Plant: Tampa Electric, Big Bend²						
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
Virginia	90.0	14,040	.83	4.57	161.4	45.32
West Virginia.....	434.5	13,239	2.08	7.40	194.7	51.54
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

See footnotes at the end of Table A7.

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

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality 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						
1993						
West Virginia.....	728.0	13,186	.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						
Colorado.....	810.8	12,745	.43	9.84	184.3	46.99
Illinois.....	2,370.8	11,536	2.26	8.27	170.5	39.33
Kentucky.....	1,737.5	11,818	2.62	7.35	139.0	32.86
Tennessee.....	120.2	12,565	1.12	8.66	229.2	57.59
Indonesia.....	348.9	9,696	.31	1.16	143.8	27.88
Total	5,388.1	11,713	1.95	7.76	162.5	38.06
1996						
January - March						
Colorado.....	138.6	12,929	.48	10.04	190.8	49.32
Illinois.....	650.5	11,711	2.11	7.87	169.0	39.57
Kentucky.....	400.1	11,607	2.55	7.15	125.9	29.23
Indonesia.....	77.2	9,813	.11	1.30	149.7	29.38
Total	1,266.4	11,696	1.95	7.48	157.1	36.75
April - June						
Illinois.....	706.4	11,855	2.04	7.80	160.4	38.03
Kentucky.....	391.4	11,634	2.67	7.73	125.1	29.11
West Virginia.....	40.7	13,118	2.33	7.74	130.1	34.13
Wyoming.....	253.4	8,814	.22	4.36	141.9	25.02
Indonesia.....	141.1	9,737	.44	1.40	149.7	29.15
Total	1,532.9	11,135	1.76	6.62	146.8	32.68
July - September						
Illinois.....	779.9	11,982	2.11	7.83	159.6	38.25
Kentucky.....	346.8	11,786	2.75	7.71	128.8	30.35
West Virginia.....	46.9	13,169	2.48	7.85	130.1	34.27
Wyoming.....	153.5	8,885	.21	4.47	145.3	25.82
Indonesia.....	291.3	9,516	.17	1.48	149.7	28.49
Total	1,618.4	11,237	1.73	6.34	149.1	33.51
October - December						
Illinois.....	857.0	12,054	3.60	7.91	149.9	36.15
Kentucky.....	521.5	11,659	3.06	8.74	130.1	30.34
West Virginia.....	69.9	13,088	2.34	8.27	130.1	34.06
Wyoming.....	183.8	8,815	.20	4.37	139.3	24.56
Indonesia.....	298.3	9,713	.40	1.55	149.7	29.08
Total	1,930.4	11,314	2.59	6.83	142.8	32.31
Year to Date						
Colorado.....	138.6	12,929	.48	10.04	190.8	49.32
Illinois.....	2,993.7	11,914	2.52	7.85	159.0	37.88
Kentucky.....	1,659.8	11,667	2.78	7.90	127.6	29.78
West Virginia.....	157.5	13,120	2.38	8.01	130.1	34.14
Wyoming.....	590.7	8,833	.21	4.39	142.0	25.09
Indonesia.....	807.8	9,655	.29	1.48	149.7	28.91
Total	6,348.2	11,327	2.04	6.78	148.3	33.59
Company and Plant: United Illuminating Co, Bridgeport Harbor						
1990						
Kentucky.....	954.0	13,233	0.54	6.36	212.9	56.35
Total	954.0	13,233	.54	6.36	212.9	56.35
1991						
Kentucky.....	871.0	13,238	.55	6.07	216.6	57.35
Total	871.0	13,238	.55	6.07	216.6	57.35

See footnotes at the end of Table A7.

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

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality 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: United Illuminating Co, Bridgeport Harbor						
1992						
Kentucky	772.0	13,162	0.55	6.25	195.5	51.47
West Virginia.....	21.0	13,351	.67	6.20	168.9	45.10
Total	793.0	13,167	.55	6.25	194.8	51.30
1993						
Kentucky	665.0	13,113	.54	7.02	170.6	44.74
West Virginia.....	75.0	13,426	.67	6.33	168.6	45.29
Total	740.0	13,144	.55	6.95	170.4	44.80
1994						
Kentucky	809.0	13,080	.53	7.41	177.6	46.46
West Virginia.....	54.0	13,306	.64	6.97	173.8	46.25
Total	863.0	13,094	.54	7.38	177.4	46.45
1995						
Kentucky	836.0	13,109	.56	7.05	188.1	49.32
West Virginia.....	5.0	13,252	.69	6.50	190.0	50.36
Total	841.0	13,110	.56	7.05	188.1	49.33
1996						
January - March						
Kentucky.....	189.0	13,046	.55	7.21	191.1	49.85
Total	189.0	13,046	.55	7.21	191.1	49.85
April - June						
Kentucky.....	250.0	13,147	.54	7.22	190.4	50.06
Total	250.0	13,147	.54	7.22	190.4	50.06
July - September						
Kentucky.....	246.0	13,099	.54	7.24	191.3	50.12
Total	246.0	13,099	.54	7.24	191.3	50.12
October - December						
Kentucky.....	218.0	13,085	.53	7.27	192.2	50.31
Venezuela	28.0	13,174	.61	4.10	185.0	48.74
Total	246.0	13,095	.54	6.91	191.4	50.13
Year to Date						
Kentucky.....	903.0	13,098	.54	7.24	191.2	50.09
Venezuela	28.0	13,174	.61	4.10	185.0	48.74
Total	931.0	13,100	.54	7.14	191.0	50.05
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	10,402.8	12,657	1.52	7.76	177.2	44.85
Maryland.....	61.0	13,403	1.16	8.53	170.8	45.79
Ohio.....	1,011.1	11,825	3.08	12.03	111.0	26.25
Pennsylvania	1,843.3	12,943	1.52	8.43	169.6	43.90
Tennessee	126.3	12,780	1.11	6.60	215.2	55.00
Virginia.....	1,841.1	13,134	1.12	8.01	174.1	45.74
West Virginia.....	9,247.6	12,906	1.09	9.02	175.7	45.34
Wyoming.....	4,487.0	8,389	.43	5.33	167.5	28.11
Canada.....	33.6	13,459	1.30	5.90	181.0	48.72
Colombia.....	1,112.5	11,978	.73	6.54	173.4	41.53
Venezuela.....	220.1	12,851	.58	6.85	182.6	46.93
Total	36,686.1	11,944	1.36	7.96	175.3	41.87
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	9,547.1	12,651	1.59	7.76	176.0	44.52
Maryland.....	15.1	13,150	1.59	10.50	141.0	37.08
Montana	105.5	9,344	.30	4.10	145.2	27.14
Ohio.....	1,019.3	12,191	3.57	10.73	124.4	30.33
Pennsylvania	1,760.5	13,039	1.60	7.80	171.4	44.71
Tennessee	158.3	12,795	1.18	6.54	218.2	55.84
Virginia.....	1,140.4	13,233	1.00	7.39	174.3	46.12
Washington.....	.1	12,846	.70	14.50	170.0	43.68
West Virginia.....	9,902.3	12,894	1.00	9.15	174.0	44.86
Wyoming.....	5,155.5	8,457	.41	5.20	152.0	25.71
Canada.....	26.9	9,994	.46	12.76	209.2	41.82

See footnotes at the end of Table A7.

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

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality 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						
1991						
Colombia.....	1,582.6	11,978	0.73	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	36,837.9	11,894	1.32	7.82	173.1	41.18
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.....	9,088.3	12,623	1.47	8.01	171.0	43.16
Montana.....	86.2	9,388	.31	4.16	137.5	25.82
Ohio.....	963.7	12,135	3.62	11.27	104.4	25.35
Pennsylvania.....	1,340.4	13,123	1.60	7.13	167.3	43.92
Tennessee.....	268.8	12,861	1.19	6.20	217.6	55.98
Utah.....	31.6	11,596	.39	8.20	163.8	37.99
Virginia.....	348.6	12,938	1.02	8.66	176.3	45.62
Washington.....	2.3	12,366	.72	14.03	154.5	38.21
West Virginia.....	10,753.8	12,869	1.00	9.20	168.0	43.25
Wyoming.....	5,699.2	8,388	.45	5.28	145.7	24.44
Canada.....	48.1	12,432	1.09	6.72	185.1	46.01
Colombia.....	1,504.1	11,938	.70	6.91	150.9	36.04
Indonesia.....	13.1	9,587	.14	1.20	166.9	32.00
Venezuela.....	240.6	13,206	.69	7.18	164.6	43.49
Total	37,182.4	11,806	1.29	7.93	167.6	39.58
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.....	8,293.4	12,664	1.36	8.17	174.5	44.20
Maryland.....	56.2	13,015	1.30	9.55	161.4	42.00
Montana.....	187.7	9,428	.39	4.58	160.4	30.24
Ohio.....	1,151.5	12,135	3.57	11.37	102.2	24.81
Pennsylvania.....	1,451.4	13,093	1.79	7.35	156.7	41.04
Tennessee.....	304.6	12,740	1.12	7.02	203.7	51.89
Utah.....	186.5	11,586	.35	8.25	156.1	36.17
Virginia.....	435.8	12,995	.94	8.99	186.8	48.56
Washington.....	2.2	10,967	.70	14.47	163.5	35.87
West Virginia.....	8,787.9	12,904	1.03	8.97	167.0	43.10
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	37,693.7	11,713	1.19	7.74	164.8	38.61
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.....	7,872.9	12,598	1.41	8.27	177.1	44.62
Maryland.....	138.3	13,155	1.38	9.85	149.9	39.43
Montana.....	1,314.8	9,404	.40	4.78	138.8	26.11
Ohio.....	937.8	12,266	3.58	10.63	99.0	24.28
Pennsylvania.....	1,992.6	13,125	1.76	7.34	144.5	37.94
Tennessee.....	276.1	12,628	1.14	7.43	215.3	54.38
Virginia.....	127.7	12,926	.87	8.50	173.6	44.89
Washington.....	3.3	10,865	.72	13.30	165.3	35.91
West Virginia.....	10,482.8	12,728	.95	9.60	165.0	42.01
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	41,511.6	11,672	1.12	7.82	162.1	37.85

See footnotes at the end of Table A7.

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

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality 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						
Colorado.....	3,530.8	11,476	0.42	8.41	170.8	39.19
Illinois.....	4,594.4	11,754	1.95	7.81	170.7	40.12
Indiana.....	133.3	11,064	1.31	9.65	116.2	25.72
Kentucky.....	7,508.7	12,577	1.29	7.99	164.7	41.43
Maryland.....	265.8	13,113	1.29	9.87	151.1	39.62
Montana.....	1,273.3	9,400	.38	4.43	140.1	26.34
Ohio.....	225.7	12,444	3.78	10.17	95.2	23.68
Pennsylvania.....	2,051.9	13,140	1.78	7.51	137.1	36.04
Tennessee.....	120.2	12,565	1.12	8.66	229.2	57.59
Virginia.....	172.6	13,245	.93	8.77	162.0	42.92
West Virginia.....	8,208.7	12,619	.81	10.18	162.1	40.90
Wyoming.....	6,577.9	8,502	.34	5.01	152.7	25.96
Canada.....	23.8	10,066	.47	13.14	166.0	33.42
Colombia.....	2,040.1	11,985	.65	6.83	153.9	36.89
Indonesia.....	428.6	10,181	.35	1.79	149.2	30.37
Venezuela.....	1,905.7	12,610	.79	6.57	194.1	48.95
Total.....	39,061.4	11,573	.97	7.66	161.9	37.47
1996						
January - March						
Colorado.....	535.5	11,112	.41	6.85	156.9	34.87
Illinois.....	1,094.8	11,832	1.85	7.46	174.0	41.17
Kentucky.....	2,115.8	12,575	1.21	8.08	160.1	40.28
Maryland.....	21.9	12,995	1.50	9.23	149.1	38.76
Montana.....	356.8	9,427	.41	4.42	140.8	26.55
Pennsylvania.....	479.6	13,177	1.69	7.16	144.5	38.08
West Virginia.....	2,029.3	12,599	.80	10.32	162.0	40.82
Wyoming.....	1,589.2	8,530	.38	5.12	154.1	26.29
Colombia.....	528.5	11,882	.63	6.67	153.4	36.46
Indonesia.....	77.2	9,813	.11	1.30	149.7	29.38
Venezuela.....	446.7	12,509	.86	6.21	195.8	48.98
Total.....	9,275.2	11,560	.94	7.51	161.2	37.26
April - June						
Colorado.....	599.7	10,583	.39	6.55	138.5	29.32
Illinois.....	1,450.0	11,913	1.79	7.46	170.1	40.54
Kentucky.....	2,202.2	12,584	1.26	8.29	161.1	40.54
Maryland.....	56.0	13,126	1.46	9.97	147.1	38.62
Montana.....	599.2	9,371	.39	4.67	141.3	26.49
Ohio.....	2.3	11,043	2.57	10.80	72.6	16.03
Pennsylvania.....	525.6	13,137	1.95	7.44	138.5	36.38
Virginia.....	10.0	13,990	.70	6.20	201.2	56.30
West Virginia.....	2,515.0	12,605	1.04	9.94	154.7	39.00
Wyoming.....	1,715.9	8,560	.38	5.09	153.5	26.28
Canada.....	11.5	9,892	.44	13.13	174.4	34.51
Colombia.....	400.2	11,936	.61	6.84	158.7	37.88
Indonesia.....	141.1	9,737	.44	1.40	149.7	29.15
Venezuela.....	543.0	12,621	.78	5.99	165.1	41.68
Total.....	10,771.8	11,536	1.02	7.47	156.5	36.10
July - September						
Colorado.....	862.5	10,954	.43	7.12	144.2	31.60
Illinois.....	1,371.6	12,007	1.79	7.28	172.2	41.34
Kentucky.....	2,314.6	12,529	1.34	8.67	161.1	40.37
Maryland.....	126.4	13,133	1.28	9.07	153.2	40.23
Montana.....	258.2	9,396	.41	4.37	136.8	25.70
Pennsylvania.....	435.9	13,177	1.68	7.07	144.0	37.96
West Virginia.....	2,591.4	12,562	1.10	10.31	152.7	38.36
Wyoming.....	1,840.1	8,592	.38	5.03	153.6	26.39
Colombia.....	712.2	11,859	.64	7.53	155.0	36.75
Indonesia.....	291.3	9,516	.17	1.48	149.7	28.49
Venezuela.....	431.4	12,859	.76	6.43	162.9	41.90
Total.....	11,235.6	11,559	1.01	7.66	156.4	36.15
October - December						
Colorado.....	472.3	10,478	.39	5.68	130.7	27.38
Illinois.....	1,430.2	12,028	2.69	7.46	170.7	41.07
Indiana.....	18.1	11,256	1.58	7.15	97.7	21.99
Kentucky.....	2,542.5	12,399	1.52	8.85	162.4	40.28
Maryland.....	72.8	13,216	1.42	9.24	147.9	39.10
Montana.....	953.0	9,395	.39	4.41	142.2	26.72

See footnotes at the end of Table A7.

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

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality 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						
1996						
October - December						
Pennsylvania.....	499.1	13,165	1.66	7.62	144.1	37.94
Virginia.....	7.8	14,246	.80	5.20	201.1	57.31
West Virginia.....	2,858.8	12,574	1.02	10.63	152.8	38.42
Wyoming.....	1,666.1	8,533	.38	5.18	152.5	26.03
Canada.....	6.5	9,806	.44	12.68	175.0	34.32
Colombia.....	439.0	11,873	.66	6.87	157.1	37.30
Indonesia.....	324.2	9,928	.42	2.08	150.9	29.97
Venezuela.....	346.5	12,804	.63	5.92	162.7	41.66
Total.....	11,636.9	11,478	1.15	7.69	155.8	35.76
Year to Date						
Colorado.....	2,470.0	10,807	.41	6.65	143.2	30.95
Illinois.....	5,346.5	11,951	2.04	7.42	171.6	41.02
Indiana.....	18.1	11,256	1.58	7.15	97.7	21.99
Kentucky.....	9,175.1	12,517	1.34	8.49	161.2	40.36
Maryland.....	277.2	13,143	1.37	9.31	150.2	39.49
Montana.....	2,167.2	9,394	.40	4.48	141.1	26.51
Ohio.....	2.3	11,043	2.57	10.80	72.6	16.03
Pennsylvania.....	1,940.2	13,163	1.75	7.34	142.7	37.56
Virginia.....	17.9	14,102	.74	5.76	201.2	56.74
West Virginia.....	9,994.5	12,584	1.00	10.31	155.1	39.04
Wyoming.....	6,811.2	8,555	.38	5.10	153.4	26.25
Canada.....	18.0	9,861	.44	12.97	174.6	34.44
Colombia.....	2,079.9	11,883	.64	7.04	155.7	37.01
Indonesia.....	833.7	9,741	.31	1.68	150.2	29.26
Venezuela.....	1,767.6	12,686	.77	6.14	171.7	43.57
Total.....	42,919.5	11,532	1.04	7.59	157.3	36.27

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

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

Table B1. U.S. Coal Production, Imports, Consumption, Exports, and Stocks, 1990-1996
(Thousand Metric Tons)

Year and Quarter	Production	Imports	Producer and Distributor Stocks ¹	Consumption	Exports	Consumer Stocks ¹
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	242,328	1,629	38,519	206,479	17,226	130,638
April - June	226,209	1,460	38,196	197,257	21,032	137,581
July - September	233,924	1,565	32,833	235,281	20,116	119,512
October - December.....	234,638	1,879	31,247	214,316	21,955	122,142
Total	937,098	6,533		853,333	80,329	
1996 January - March	234,104	1,554	33,430	220,449	18,611	112,938
April - June	237,294	1,408	33,878	207,669	20,901	121,818
July - September	245,225	1,878	30,645	234,837	21,322	115,747
October - December.....	242,035	1,624	28,182	227,724	21,241	111,565
Total	958,658	6,464		890,679	82,075	

¹ Reported as of the last day of the quarter.

Notes: Consumption data for 1990 through 1996 exclude coal consumed by independent power producers to generate electricity and cogeneration plants not included in the other industrial, coke, and commercial sectors. For 1990 through 1996, these excluded EIA quarterly estimated consumption data are: 363, 1361, 2268, 2800, 3434, 4717, and 5443 thousand metric tons, respectively. Total may not equal sum of components because of independent rounding.

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

Table B2. U.S. Coal Consumption by End-Use Sector, 1990-1996
(Thousand Metric Tons)

Year and Quarter	Electric Utilities	Coke Plants	Other Industrial	Residential and Commercial	Total
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	180,332	7,384	17,276	1,486	206,479
April - June	173,369	7,522	15,430	936	197,257
July - September	210,497	7,557	16,264	964	235,281
October - December.....	187,865	7,485	17,070	1,897	214,316
Total	752,063	29,947	66,040	5,283	853,333
1996 January - March	194,835	7,219	16,809	1,585	220,449
April - June	184,145	7,226	15,241	1,057	207,669
July - September	211,324	7,272	15,185	1,057	234,837
October - December.....	202,286	7,046	16,808	1,585	227,724
Total	792,590	28,763	64,042	5,283	890,679

Notes: Consumption data for 1990 through 1996 exclude coal consumed by independent power producers to generate electricity and cogeneration plants not included in the other industrial, coke, and commercial sectors. For 1990 through 1996, these excluded quarterly estimated consumption data were: 363, 1361, 2268, 2800, 3434, 4717, and 5443 thousand metric tons, respectively. Total may not equal sum of components because of independent rounding.

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

Table B3. U.S. Coal Stocks, 1990-1996
(Thousand Metric Tons)

Last Day of Quarter	Coal Consumers ¹				Coal Producers and Distributors	Total
	Electric Utilities	Coke Plants	Other Industrial ²	Total		
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	123,176	2,467	4,995	130,638	38,519	169,157
June 30	130,076	2,381	5,124	137,581	38,196	175,777
September 30	111,790	2,246	5,476	119,512	32,833	152,345
December 31	114,582	2,388	5,173	122,142	31,247	153,390
1996 March 31	106,574	2,344	4,021	112,938	33,430	146,369
June 30	115,315	2,360	4,143	121,818	33,878	155,696
September 30	108,384	2,553	4,810	115,747	30,645	146,391
December 31	103,984	2,419	5,161	111,565	28,182	139,747

¹ The Residential and Commercial sector are not included. See Technical Note 6 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, Schedule Q, "Quarterly Coal Report" and Form EIA-6, "Coal Distribution Report."

Table B4. U.S. Coal Exports and Imports, 1990-1996
(Thousand Metric Tons, Dollars per Metric Ton)

Year	1990	1991	1992	1993	1994	1995	1996
January - March							
Exports							
Quantity.....	20,305	20,247	22,436	17,118	13,496	17,226	18,611
Price	\$47.65	\$49.14	\$46.61	\$46.80	\$46.18	\$43.98	\$46.04
Imports							
Quantity.....	666	851	616	1,101	1,678	1,629	1,554
Price	\$38.66	\$37.16	\$37.07	\$33.84	\$31.81	\$35.64	\$36.95
April - June							
Exports							
Quantity.....	25,159	23,781	24,503	18,095	16,275	21,032	20,901
Price	\$46.86	\$47.37	\$45.57	\$45.66	\$44.10	\$43.64	\$44.95
Imports							
Quantity.....	612	662	947	991	1,430	1,460	1,408
Price	\$37.11	\$38.14	\$36.33	\$35.56	\$31.67	\$39.86	\$35.78
July - September							
Exports							
Quantity.....	26,759	28,302	24,023	16,803	17,875	20,116	21,322
Price	\$46.54	\$45.76	\$44.86	\$44.89	\$42.84	\$45.18	\$44.68
Imports							
Quantity.....	466	893	800	1,944	2,090	1,565	1,878
Price	\$35.33	\$34.67	\$37.95	\$32.54	\$34.08	\$37.05	\$36.59
October - December							
Exports							
Quantity.....	23,760	26,526	22,039	15,586	17,089	21,955	21,241
Price	\$47.05	\$45.36	\$45.27	\$45.19	\$43.46	\$44.70	\$44.18
Imports							
Quantity.....	704	669	1,087	2,595	1,681	1,879	1,624
Price	\$39.84	\$36.55	\$36.46	\$31.87	\$35.20	\$38.07	\$38.08
Total							
Exports							
Quantity.....	95,984	98,855	93,001	67,603	64,735	80,329	82,075
Price	\$46.99	\$46.73	\$45.57	\$45.65	\$44.02	\$44.39	\$44.93
Imports							
Quantity.....	2,449	3,075	3,450	6,631	6,880	6,533	6,464
Price	\$37.97	\$36.51	\$36.88	\$32.95	\$33.30	\$37.62	\$36.87

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	October - December 1996	July - September 1996	October - December 1995	Year to date		
				1996	1995	Percent Change
North America Total	4,530,613	4,476,791	2,699,461	12,346,302	9,444,414	30.7
Canada ¹	3,954,388	3,993,074	2,211,526	10,912,134	8,552,377	27.6
Jamaica.....	7,452	5,411	33	21,679	75,076	-71.1
Mexico.....	545,587	476,304	485,158	1,368,501	789,899	73.3
Other ²	23,186	2,002	2,744	43,988	27,062	62.5
South America Total	1,840,638	1,693,361	1,771,581	6,808,143	6,321,492	7.7
Argentina.....	44,128	68,021	125,353	275,672	310,193	-11.1
Brazil.....	1,602,835	1,513,047	1,499,520	5,933,054	5,761,188	3.0
Chile.....	149,939	89,155	137,046	520,534	205,853	152.9
Other ²	43,736	23,138	9,662	78,883	44,258	78.2
Europe Total	10,486,219	9,867,065	12,411,030	42,812,591	44,107,495	-2.9
Belgium & Luxembourg.....	891,443	865,713	1,286,021	4,145,184	4,083,531	1.5
Bulgaria.....	305,676	253,654	398,276	1,258,142	1,214,429	3.6
Denmark.....	230,439	298,222	199,696	1,194,293	1,905,348	-37.3
Finland.....	58,498	295,148	628,007	638,267	1,187,017	-46.2
France.....	1,079,104	621,448	1,144,557	3,494,895	3,319,267	5.3
Germany, FR.....	233,973	117,392	759,084	957,018	1,771,529	-46.0
Ireland.....	229,839	240,430	339,937	694,031	829,478	-16.3
Italy.....	1,901,471	1,535,013	1,913,204	8,349,948	8,221,576	1.6
Netherlands.....	1,318,488	1,753,359	1,779,032	6,403,081	6,623,693	-3.3
Norway.....	25,930	21,715	36,964	77,102	108,851	-29.2
Portugal.....	647,333	520,735	464,593	1,635,253	1,589,801	2.9
Romania.....	353,674	395,228	332,515	1,371,692	1,799,544	-23.8
Spain.....	874,443	848,098	776,329	3,712,670	4,221,110	-12.0
Sweden.....	341,990	294,564	344,167	970,310	1,013,537	-4.3
Turkey.....	481,457	457,863	595,222	1,965,910	1,824,706	7.7
United Kingdom.....	1,410,308	1,333,864	1,334,489	5,620,520	4,287,536	31.1
Yugoslavia, FR.....	-	-	59,315	-	59,315	-
Other ²	102,153	14,619	19,622	324,275	47,227	(3)
Asia Total	3,808,419	4,245,267	3,988,219	16,311,496	17,322,657	-5.8
China (Taiwan).....	454,628	633,889	477,290	2,214,869	2,298,257	-3.6
Israel.....	347,036	287,077	225,061	1,090,228	689,803	58.0
Japan.....	1,998,974	2,650,522	2,277,669	9,551,391	10,692,871	-10.7
Korea, Republic of.....	1,006,796	669,710	1,007,880	3,422,518	3,639,632	-6.0
Other ²	985	4,069	319	32,490	2,094	(3)
Oceania & Australia Total	551	185	17	828	196	322.4
Africa Total	574,482	1,039,622	1,084,655	3,796,062	3,132,527	21.2
Algeria.....	55,919	-	49,866	160,162	199,639	-19.8
Egypt.....	222,412	225,273	385,667	941,237	1,120,273	-16.0
Morocco.....	129,550	283,248	415,134	1,497,264	1,099,427	36.2
South Africa, Rep of.....	166,601	531,101	233,988	1,197,399	713,188	67.9
Total	21,240,922	21,322,291	21,954,963	82,075,422	80,328,781	2.2

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 1995.

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	October - December 1996	July - September 1996	October - December 1995	Year to date		
				1996	1995	Percent Change
North America Total	\$35.22	\$36.69	\$37.56	\$36.48	\$37.53	-2.8
Canada ¹	34.11	36.13	36.51	35.53	36.92	-3.8
Jamaica.....	41.00	33.62	-	38.34	36.01	6.5
Mexico.....	42.68	41.36	42.01	43.77	44.05	-6
Other ²	43.84	42.80	51.02	43.71	43.03	1.6
South America Total	48.05	48.81	48.10	48.29	47.90	.8
Argentina.....	53.31	43.14	46.64	51.11	47.84	6.8
Brazil.....	49.19	49.53	49.55	49.25	48.37	1.8
Chile.....	35.25	38.02	34.25	35.69	34.94	2.1
Other ²	44.42	44.06	39.45	43.19	47.87	-9.8
Europe Total	46.48	46.79	44.98	46.41	45.10	2.9
Belgium & Luxembourg.....	49.90	49.89	47.35	50.41	47.92	5.2
Bulgaria.....	50.44	48.46	49.15	48.79	48.54	.5
Denmark.....	32.06	30.95	32.11	32.29	32.37	-2
Finland.....	37.80	45.56	42.07	46.42	43.51	6.7
France.....	49.56	52.44	46.21	49.53	48.19	2.8
Germany, FR.....	56.64	49.92	37.83	45.28	38.57	17.4
Ireland.....	41.23	41.37	39.96	41.17	39.76	3.6
Italy.....	50.05	51.96	49.93	49.66	48.66	2.1
Netherlands.....	46.88	44.92	45.61	45.59	46.26	-1.4
Norway.....	57.20	64.76	62.72	62.89	62.19	1.1
Portugal.....	39.89	39.72	38.70	40.26	40.18	.2
Romania.....	47.82	57.28	44.98	51.76	46.77	10.7
Spain.....	44.35	40.55	40.85	41.41	38.30	8.1
Sweden.....	52.59	53.70	55.36	52.36	53.14	-1.5
Turkey.....	46.70	49.63	46.25	48.86	46.97	4.0
United Kingdom.....	40.76	43.40	42.51	42.88	45.11	-4.9
Yugoslavia, FR.....	-	-	41.95	-	41.95	-
Other ²	38.92	63.54	61.16	41.92	61.67	-32.0
Asia Total	43.17	43.74	43.99	43.62	43.10	1.2
China (Taiwan).....	40.92	41.05	42.06	40.63	40.73	-2
Israel.....	40.79	40.73	39.10	40.12	39.45	1.7
Japan.....	43.63	43.30	44.07	43.44	43.14	.7
Korea, Republic of.....	44.10	49.30	45.82	47.10	45.17	4.3
Other ²	42.68	44.97	37.99	53.89	33.52	60.8
Oceania & Australia Total	44.92	44.79	-	44.89	43.82	2.4
Africa Total	52.01	50.25	47.11	48.90	47.47	3.0
Algeria.....	56.48	-	54.79	55.37	52.69	5.1
Egypt.....	57.07	57.21	53.86	58.83	54.42	8.1
Morocco.....	39.15	35.70	35.92	37.40	36.37	2.8
South Africa, Rep of.....	53.75	55.06	54.18	54.61	52.23	4.6
Total³	43.83	44.43	44.27	44.67	44.13	1.2
U.S. Total⁴	44.19	44.68	44.70	44.93	44.39	1.2

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 1995.

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

⁴ 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	October - December 1996	July - September 1996	October - December 1995	Year to date		
				1996	1995	Percent Change
North America Total	2,829,679	2,047,708	1,434,755	6,449,923	5,111,566	26.2
Canada ¹	2,374,095	1,645,997	1,043,847	5,442,054	4,513,549	20.6
Jamaica.....	7,452	5,411	33	21,679	75,076	-71.1
Mexico.....	424,946	394,298	388,131	942,202	495,879	90.0
Other ²	23,186	2,002	2,744	43,988	27,062	62.5
South America Total	205,714	149,013	61,649	626,975	172,588	263.3
Argentina.....	9,703	1,956	1,613	12,045	5,628	114.0
Brazil.....	2,336	34,764	9,819	86,134	13,340	(³)
Chile.....	149,939	89,155	40,555	450,092	109,362	311.6
Other ²	43,736	23,138	9,662	78,704	44,258	77.8
Europe Total	4,062,708	3,969,687	6,125,177	17,181,948	19,357,609	-11.2
Belgium & Luxembourg.....	287,809	265,151	350,518	1,020,163	937,180	8.9
Bulgaria.....	49,562	-	-	157,077	-	-
Denmark.....	230,439	298,222	199,696	1,194,293	1,905,348	-37.3
Finland.....	58,498	90,303	410,927	148,801	530,081	-71.9
France.....	256,947	-	372,921	697,398	456,738	52.7
Germany, FR.....	-	34,963	653,490	469,034	1,562,221	-70.0
Ireland.....	229,839	240,430	339,937	694,031	829,478	-16.3
Italy.....	733,704	532,089	1,007,465	3,548,353	4,135,553	-14.2
Netherlands.....	327,929	922,726	942,129	2,645,935	3,014,750	-12.2
Norway.....	11,246	6,238	22,063	21,664	25,408	-14.7
Portugal.....	585,624	454,672	437,139	1,477,089	1,562,347	-5.5
Romania.....	-	-	-	-	271,302	-
Spain.....	331,821	478,732	355,903	1,805,144	2,245,139	-19.6
Sweden.....	5,000	8,698	-	75,002	7,814	(³)
Turkey.....	807	13,115	186,191	127,276	186,766	-31.9
United Kingdom.....	851,330	624,043	787,293	2,825,525	1,627,961	73.6
Yugoslavia, FR.....	-	-	59,315	-	59,315	-
Other ²	102,153	305	190	275,163	208	(³)
Asia Total	1,708,634	2,215,936	1,849,534	8,315,168	7,331,099	13.4
China (Taiwan).....	349,710	521,402	357,670	1,873,967	1,962,186	-4.5
Israel.....	224,827	168,462	225,061	849,404	562,317	51.1
Japan.....	765,880	1,378,746	819,657	4,514,516	3,499,532	29.0
Korea, Republic of.....	367,232	143,257	446,827	1,066,153	1,304,970	-18.3
Other ²	985	4,069	319	11,128	2,094	431.4
Oceania & Australia Total	551	185	17	828	196	322.4
Africa Total	129,550	250,064	415,408	1,464,905	1,101,149	33.0
Egypt.....	-	-	274	825	1,402	-41.2
Morocco.....	129,550	250,064	415,134	1,464,080	1,099,427	33.2
South Africa, Rep of.....	-	-	-	-	320	-
Total	8,936,836	8,632,593	9,886,540	34,039,747	33,074,207	2.9

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 1995.

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	October - December 1996	July - September 1996	October - December 1995	Year to date		
				1996	1995	Percent Change
North America Total	\$31.99	\$32.69	\$34.83	\$32.42	\$34.24	-5.3
Canada ¹	30.36	30.95	33.04	30.93	33.58	-7.9
Jamaica.....	41.00	33.62	-	38.34	36.01	6.5
Mexico.....	39.84	39.34	38.99	39.91	39.25	1.7
Other ²	43.84	42.80	51.02	43.71	43.03	1.6
South America Total	37.44	40.95	37.27	38.52	39.30	-2.0
Argentina.....	44.98	43.14	44.35	44.67	39.77	12.3
Brazil.....	44.90	46.26	38.00	44.73	38.38	16.5
Chile.....	35.25	38.02	36.35	36.11	36.34	-6
Other ²	44.42	44.06	39.45	43.16	47.87	-9.8
Europe Total	36.97	36.84	37.99	37.16	37.84	-1.8
Belgium & Luxembourg.....	39.99	41.77	37.12	40.45	38.65	4.6
Bulgaria.....	59.15	-	-	55.72	-	-
Denmark.....	32.06	30.95	32.11	32.29	32.37	-2
Finland.....	37.80	39.50	39.19	38.83	39.17	-9
France.....	39.18	-	38.62	39.83	38.72	2.9
Germany, FR.....	-	41.58	35.26	35.19	36.72	-4.2
Ireland.....	41.23	41.37	39.96	41.17	39.76	3.6
Italy.....	43.97	47.15	47.22	45.41	45.97	-1.2
Netherlands.....	36.59	37.27	39.26	36.31	40.18	-9.6
Portugal.....	38.88	38.29	37.92	39.24	39.99	-1.9
Romania.....	-	-	-	-	43.08	-
Spain.....	23.91	26.25	22.97	24.41	23.56	3.6
Sweden.....	47.90	53.50	-	43.22	53.51	-19.2
Turkey.....	44.94	38.56	34.09	45.50	34.15	33.2
United Kingdom.....	31.70	31.21	34.04	31.77	33.76	-5.9
Yugoslavia, FR.....	-	-	41.95	-	41.95	-
Other ²	38.92	44.96	44.76	38.10	44.76	-14.9
Asia Total	39.06	39.91	39.04	39.51	38.17	3.5
China (Taiwan).....	38.69	39.02	39.05	38.95	39.31	-9
Israel.....	38.45	37.65	39.10	38.71	38.17	1.4
Japan.....	39.44	40.63	39.53	40.02	38.61	3.7
Korea, Republic of.....	38.96	38.67	38.12	38.93	35.29	10.3
Other ²	42.68	44.97	37.99	42.17	33.52	25.8
Oceania & Australia Total	44.92	44.79	-	44.89	43.82	2.4
Africa Total	39.15	36.01	35.92	37.50	36.38	3.1
Egypt.....	-	-	45.05	44.97	44.99	*
Morocco.....	39.15	36.01	35.92	37.49	36.37	3.1
South Africa, Rep of.....	-	-	-	-	43.84	-
Total ³	35.90	36.76	37.67	36.94	37.35	-1.1
U.S. Total ⁴	36.81	37.32	38.65	37.58	38.05	-1.2

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 1995.

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

⁴ 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	October - December 1996	July - September 1996	October - December 1995	Year to date		
				1996	1995	Percent Change
North America Total	1,700,934	2,429,083	1,264,706	5,896,379	4,332,848	36.1
Canada ¹	1,580,293	2,347,077	1,167,679	5,470,080	4,038,828	35.4
Mexico.....	120,641	82,006	97,027	426,299	294,020	45.0
South America Total	1,634,924	1,544,348	1,709,932	6,181,168	6,148,904	.5
Argentina.....	34,425	66,065	123,740	263,627	304,565	-13.4
Brazil.....	1,600,499	1,478,283	1,489,701	5,846,920	5,747,848	1.7
Chile.....	-	-	96,491	70,442	96,491	-27.0
Other ²	-	-	-	179	-	-
Europe Total	6,423,511	5,897,378	6,285,853	25,630,643	24,749,886	3.6
Belgium & Luxembourg.....	603,634	600,562	935,503	3,125,021	3,146,351	-.7
Bulgaria.....	256,114	253,654	398,276	1,101,065	1,214,429	-9.3
Finland.....	-	204,845	217,080	489,466	656,936	-25.5
France.....	822,157	621,448	771,636	2,797,497	2,862,529	-2.3
Germany, FR.....	233,973	82,429	105,594	487,984	209,308	133.1
Italy.....	1,167,767	1,002,924	905,739	4,801,595	4,086,023	17.5
Netherlands.....	990,559	830,633	836,903	3,757,146	3,608,943	4.1
Norway.....	14,684	15,477	14,901	55,438	83,443	-33.6
Portugal.....	61,709	66,063	27,454	158,164	27,454	476.1
Romania.....	353,674	395,228	332,515	1,371,692	1,528,242	-10.2
Spain.....	542,622	369,366	420,426	1,907,526	1,975,971	-3.5
Sweden.....	336,990	285,866	344,167	895,308	1,005,723	-11.0
Turkey.....	480,650	444,748	409,031	1,838,634	1,637,940	12.3
United Kingdom.....	558,978	709,821	547,196	2,794,995	2,659,575	5.1
Other ²	-	14,314	19,432	49,112	47,019	4.5
Asia Total	2,099,785	2,029,331	2,138,685	7,996,328	9,991,558	-20.0
China (Taiwan).....	104,918	112,487	119,620	340,902	336,071	1.4
Israel.....	122,209	118,615	-	240,824	127,486	88.9
Japan.....	1,233,094	1,271,776	1,458,012	5,036,875	7,193,339	-30.0
Korea, Republic of.....	639,564	526,453	561,053	2,356,365	2,334,662	.9
Other ²	-	-	-	21,362	-	-
Africa Total	444,932	789,558	669,247	2,331,157	2,031,378	14.8
Algeria.....	55,919	-	49,866	160,162	199,639	-19.8
Egypt.....	222,412	225,273	385,393	940,412	1,118,871	-15.9
Morocco.....	-	33,184	-	33,184	-	-
South Africa, Rep of.....	166,601	531,101	233,988	1,197,399	712,868	68.0
Total	12,304,086	12,689,698	12,068,423	48,035,675	47,254,574	1.7

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 1995.

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

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

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

Continent and Country of Destination	October - December 1996	July - September 1996	October - December 1995	Year to date		
				1996	1995	Percent Change
North America Total	\$40.31	\$39.83	\$40.40	\$40.55	\$41.07	-1.3
Canada ¹	39.39	39.45	39.27	39.67	40.29	-1.5
Mexico.....	53.25	51.97	54.10	52.20	51.70	1.0
South America Total	49.33	49.61	48.48	49.18	48.13	2.2
Argentina.....	55.63	-	46.67	51.67	47.99	7.7
Brazil.....	49.19	49.61	49.61	49.31	48.38	1.9
Chile.....	-	-	33.36	33.36	33.36	*
Other ²	-	-	-	55.87	-	-
Europe Total	52.49	53.36	51.68	52.55	50.72	3.6
Belgium & Luxembourg.....	54.63	53.48	51.18	53.66	50.68	5.9
Bulgaria.....	48.75	48.46	49.15	47.80	48.54	-1.5
Finland.....	-	48.24	47.52	48.73	47.01	3.7
France.....	52.81	52.44	49.87	51.95	49.70	4.5
Germany, FR.....	56.64	53.46	53.73	54.97	52.38	5.0
Italy.....	53.87	54.51	52.94	52.80	51.38	2.8
Netherlands.....	50.28	53.42	52.76	52.13	51.32	1.6
Norway.....	57.20	64.76	62.72	62.89	62.19	1.1
Portugal.....	49.50	49.50	51.20	49.83	51.20	-2.7
Romania.....	47.82	57.28	44.98	51.76	47.43	9.1
Spain.....	56.85	56.05	55.98	56.13	54.03	3.9
Sweden.....	52.66	53.71	55.36	53.13	53.13	*
Turkey.....	46.70	49.95	49.03	49.09	47.71	2.9
United Kingdom.....	54.57	54.12	54.70	54.11	52.05	4.0
Other ²	-	63.93	61.56	63.31	61.78	2.5
Asia Total	46.52	47.92	48.27	47.90	46.72	2.5
China (Taiwan).....	48.33	50.44	51.08	49.86	49.03	1.7
Israel.....	45.10	45.10	-	45.10	45.10	*
Japan.....	46.24	46.18	46.62	46.51	45.35	2.6
Korea, Republic of.....	47.04	52.20	51.95	50.79	50.69	.2
Other ²	-	-	-	65.43	-	-
Africa Total	55.75	54.76	54.05	56.07	53.49	4.8
Algeria.....	56.48	-	54.79	55.37	52.69	5.1
Egypt.....	57.07	57.21	53.87	58.84	54.43	8.1
Morocco.....	-	33.40	-	33.40	-	-
South Africa, Rep of.....	53.75	55.06	54.18	54.61	52.23	4.6
Total ³	49.49	49.53	49.57	50.04	48.77	2.6
U.S. Total ⁴	49.55	49.69	49.65	50.14	48.83	2.7

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 1995.

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

⁴ U.S. Total is the average price of all coal exports.

* Rounded to zero

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

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

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

Continent and Country of Origin	October - December 1996	July - September 1996	October - December 1995	Year to date		
				1996	1995	Percent Change
North America Total	342,420	327,389	328,972	1,300,730	1,219,813	6.6
Canada.....	337,781	325,776	328,921	1,294,100	1,197,249	8.1
Mexico.....	4,639	1,613	51	6,630	196	(¹)
Netherlands Antilles.....	-	-	-	-	22,368	-
South America Total	756,696	1,101,824	1,230,895	3,619,341	4,157,892	-13.0
Colombia.....	492,111	729,343	722,609	2,292,279	2,482,908	-7.7
Venezuela.....	264,585	372,481	508,286	1,327,062	1,674,984	-20.8
Europe Total	395	1,803	130	2,369	474	399.8
Belgium & Luxembourg.....	369	1,793	-	2,243	-	-
Denmark.....	-	-	-	-	214	-
Spain.....	-	-	-	90	-	-
Turkey.....	26	10	-	36	-	-
United Kingdom.....	-	-	130	-	260	-
Asia Total	466,811	425,736	277,140	1,392,520	923,980	50.7
China (Mainland).....	-	-	-	-	48	-
Hong Kong.....	-	1	-	1	-	-
Indonesia.....	466,809	425,735	277,140	1,392,517	923,908	50.7
Japan.....	2	-	-	2	24	-91.7
Oceania & Australia Total	57,249	21,632	41,692	149,498	230,554	-35.2
Australia.....	57,249	21,632	41,692	149,498	192,054	-22.2
New Zealand.....	-	-	-	-	38,500	-
Total	1,623,571	1,878,384	1,878,829	6,464,458	6,532,713	-1.0

¹ Changes of 500 percent or more are not shown.

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

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

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

Continent and Country of Origin	October - December 1996	July - September 1996	October - December 1995	Year to date		
				1996	1995	Percent Change
North America Total	\$40.96	\$40.23	\$39.35	\$38.46	\$38.72	-0.7
Canada.....	41.03	40.25	39.35	38.47	38.72	-6
Mexico.....	37.60	37.38	-	36.85	-	-
South America Total	35.35	34.26	37.07	34.44	36.11	-4.6
Colombia.....	35.41	34.77	35.70	34.61	34.33	.8
Venezuela.....	35.24	33.28	39.02	34.14	38.74	-11.9
Europe Total	-	-	28.27	-	28.27	-
United Kingdom.....	-	-	28.27	-	28.27	-
Asia Total	34.63	32.93	36.71	35.77	38.73	-7.6
Indonesia.....	34.63	32.93	36.71	35.77	38.73	-7.6
Oceania & Australia Total	36.62	35.83	35.47	36.83	37.00	-1.5
Australia.....	36.62	35.83	35.47	36.83	34.16	7.8
New Zealand.....	-	-	-	-	51.17	-
Total ¹	36.00	34.78	37.33	35.46	36.97	-4.1
U.S. Total ²	38.09	36.59	38.07	36.87	37.62	-2.0

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 \$55 per short ton (\$18.14 to \$49.90 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

Appendix C

Explanatory Notes

Data Sources

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

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

Coal Surveys

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

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

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

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

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

Quarterly Coal Consumption Report - Manufacturing

Plants (Form EIA-3)

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

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

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

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

Coke Plant Report (Form EIA-5)

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

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

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

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

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

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

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

Coal Distribution Report (Form EIA-6)

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

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

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

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

Coal Production Report (Form EIA-7A)

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

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

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

Electric Utility Surveys

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

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

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

Monthly Power Plant Report (Form EIA-759)

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

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

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

Monthly Report of Cost and Quality of Fuels for Electric Plants

(FERC Form 423)

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

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

Annual Nonutility Power Producer Report (Form EIA-867)

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

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

Export and Import Data

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

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

Technical Notes

3. Receipts

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

Electric Utilities. Receipts are reported on FERC Form 423.

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

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

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

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

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

4. Prices

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

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

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

1. Other Industrial Plants and Manufacturing

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

2. Residential and Commercial

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

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

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

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

5. Consumption

Quarterly Data

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

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

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

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

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

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

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

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

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

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

Monthly Data

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

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

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

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

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

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

6. Stocks

Quarterly Data

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

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

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

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

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

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

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

Monthly Data

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

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

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

7. Production

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

Weekly Data

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

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

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

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

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

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

Monthly Data

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

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

Quarterly Data

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

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

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

Finalizing of Annual Production

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

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

8. Census Export and Import Data

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

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

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

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

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

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

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

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

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

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

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

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

9. Metric Data

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

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

10. Revisions

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

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

11. Price Data and Taxes

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

12. Approximate Heat Content of Coal

Table C2 presents the approximate heat content of coal by rank and disposition for 1990 through 1996.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Item	Mean Absolute Value of Change	
	1994	1995
Production (Thousand Short Tons)	852	1,267
Distribution (Thousand Short Tons)		
Electric Generation	428	125
Other Industrial	79	11
Coke Plants	78	262
Residential/Commercial	56	1
Receipts (Thousand Short Tons)		
Electric Utilities	48	101
Other Industrial	314	343
Coke Plants	155	0
Residential/Commercial	56	1
Average Price of Coal Receipts (Dollars Per Short Ton)		
Electric Utilities	\$.31	\$.18
Other Industrial	3.64	1.23
Coke Plants	24.22	.00
Consumption (Thousand Short Tons)		
Electric Utilities	31	80
Other Industrial	54	1,211
Coke Plants	170	0
Residential/Commercial	56	1
Stocks¹ (Thousand Short Tons)		
Electric Utilities	130	245
Other Industrial	38	94
Coke Plants	65	0
Producer/Distributor	26	32

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 the *Coal Industry Annual*.

• Mean absolute value of change is the unweighted average of the absolute changes. • NA=Not Available.

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

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

Coal Rank Sector	1990	1991	1992	1993	1994	1995	1996
Anthracite							
Production.....	23.574	22.573	22.572	22.573	22.572	22.572	22.573
Consumption.....	21.668	21.410	21.423	21.262	20.828	20.808	20.860
Non-electric utility users.....	25.199	25.268	24.617	24.096	25.037	24.696	24.872
Electric utilities.....	16.140	15.858	16.944	16.534	14.680	14.572	14.568
Imports and exports.....	25.400	25.400	25.400	25.400	25.400	25.400	25.400
Bituminous Coal and Lignite							
Production.....	21.819	21.678	21.643	21.383	21.347	21.271	21.272
Consumption.....	21.330	21.146	21.142	20.983	21.011	20.845	20.852
Residential and commercial.....	22.678	22.635	22.768	22.749	22.683	22.767	22.785
Coke plants.....	26.800	26.800	26.800	26.800	26.800	26.800	26.800
Other industrial and transportation.....	22.444	22.448	22.242	22.111	22.046	21.931	21.887
Electric utilities.....	20.935	20.761	20.792	20.644	20.681	20.502	20.509
Imports.....	25.000	25.000	25.000	25.000	25.000	25.000	25.000
Exports.....	26.207	26.192	26.165	26.341	26.335	26.187	26.212
Coal Coke	24.800	24.800	24.800	24.800	24.800	24.800	24.800

Note: All values shown for 1995 and previous years are final. Values for 1996 are preliminary.

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

Glossary

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

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

Btu/lb.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Lignite: A brownish-black coal of low rank with high inherent moisture and volatile matter (used almost exclusively for electric power generation). It is also referred to as brown coal. Comprises two groups classified according to the following ASTM Specification D388-84 for calorific values on a moist material-matter-free (mmf) basis:

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

GE = Greater than or equal to
LT = Less than.

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

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

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

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

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

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

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

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

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

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

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

GE = Greater than or equal to
LT = Less than.

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

Surface Mine: A coal-producing mine that is usually within a few hundred feet of the surface. Earth above or around the coal (overburden) is removed to expose

the coalbed, which is then mined with surface excavation equipment, such as draglines, power shovels, bulldozers, loaders, and augers. It may also be known as an area, contour, open-pit, strip, or auger mine.

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