

# **Quarterly Coal Report April-June 1997**

**Energy Information Administration**  
Office of Coal, Nuclear, Electric  
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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 April through June 1997 and aggregated quarterly historical data for 1991 through the first quarter of 1997. Appendix A displays, from 1991 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 1996* DOE/EIA-0384(97); *Monthly Energy Review* DOE/EIA-0035; *Coal Data : A Reference* DOE/EIA-0064(93) DOE/EIA-0035; and *Coal Industry Annual* DOE/EIA-0584(96) .

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 for 1997 are preliminary. All data shown for 1996 and previous years are final. U.S. coal production data for 1996 and previous years are based on the annual survey Form EIA-7A, "Coal Production Report." Coal production data for 1997 are preliminary and are based on the quarterly survey Form EIA-6 Schedule Q, "Quarterly Coal Report."

A description of the revision policy and methodologies used to calculate data in this report can be found in Appendix C, *Explanatory Notes*. Table C1 presents the mean absolute value of change for 1995 and 1996 for selected data presented in this report.

The *Industry Developments* section has been deleted from this report.

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

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# Summary

The United States produced a second-quarter record of 270 million short tons in the April through June 1997 period (Table 1). This brought the total for the first half of 1997 to 544 million short tons, an increase of 4 percent (20 million short tons) over the amount of coal produced during the first half of 1996. The principal reason for the rise in coal production for the first 6 months of 1997, compared to a year earlier, was a build-up of coal stocks by producers and distributors and electric utilities.

Compared with the first half of 1996, coal production East of the Mississippi River went up 11 million short tons and coal production West of the Mississippi River went up 10 million short tons. West Virginia, Indiana, and Pennsylvania accounted for 48 percent of the increase in coal production East of the Mississippi River, while Colorado, Wyoming, and New Mexico had the largest gains in output West of the Mississippi River (Table 4).

U.S. coal exports in the second quarter of 1997 were 21 million short tons, a decline of 11 percent from the 23 million short tons in the second quarter of 1996 (Table 8). This brought the total for the first half of 1997 to 41 million short tons, down 7 percent from the same period a year ago. The decline can be primarily attributed to lower demand from steam coal markets in Europe, particularly in Italy and the Netherlands. Coal exports for the first half of 1997 were valued at \$1.7 billion, based on an average price of \$41.26 per short ton (Table 9).

Steam coal exports totaled 7 million short tons in the second quarter of 1997, bringing the total for the first half of 1997 to 15 million short tons, a 3-million-short-ton drop from the first half of 1996. Lower shipments to Europe, Japan, and Morocco were partially offset by higher shipments to Canada and Mexico (Table 10).

Metallurgical coal exports amounted to 13 million short tons in the second quarter of 1997. This brought the total for the first 6 months of 1997 to 26 million short tons, about the same as in the first 6 months of 1996 (Table 12). U.S. coke exports totaled 346 thousand short tons for the first half of 1997, 35 percent lower than in the comparable period in 1996, as demand dropped in European markets (Table 15).

U.S. coal imports in the second quarter of 1997 reached 1.7 million short tons, a record second quarter level. This brought the total for the first half of 1997 to 3 million short tons, a 7-percent decrease from the level in the first half of 1996 (Table 16). Most of the

decrease was due to lower demand for Venezuelan coal by East Coast and Gulf Coast utility plants (Table A5). U.S. coal imports for the first half of 1997 were valued at \$105 million, based on an average price of \$34.64 per short ton (Table 17).

The amount of coal received by domestic consumers in the second quarter of 1997 totaled 241 million short tons, a second-quarter record. This brought the total for the first 6 months of 1997 to 481 million short tons, 11 million short tons more than in the comparable period in 1996. The increase was due to higher demand from the electric utility sector. Compared with the first half of 1997, the average price of delivered coal in the electric utility sector declined slightly, while the average price of coal delivered to coke plants and other industrial plants was about the same.

Coal consumption in the second quarter of 1997 was 233 million short tons, a record second quarter level. This brought the total for the first 6 months of 1997 to 479 million short tons, 12 percent higher than in the first half of 1996 (Table 37). The 7-million-short-ton rise in consumption was primarily due to an increase in coal consumption at electric utilities in the Mountain and East North Central Census Divisions.

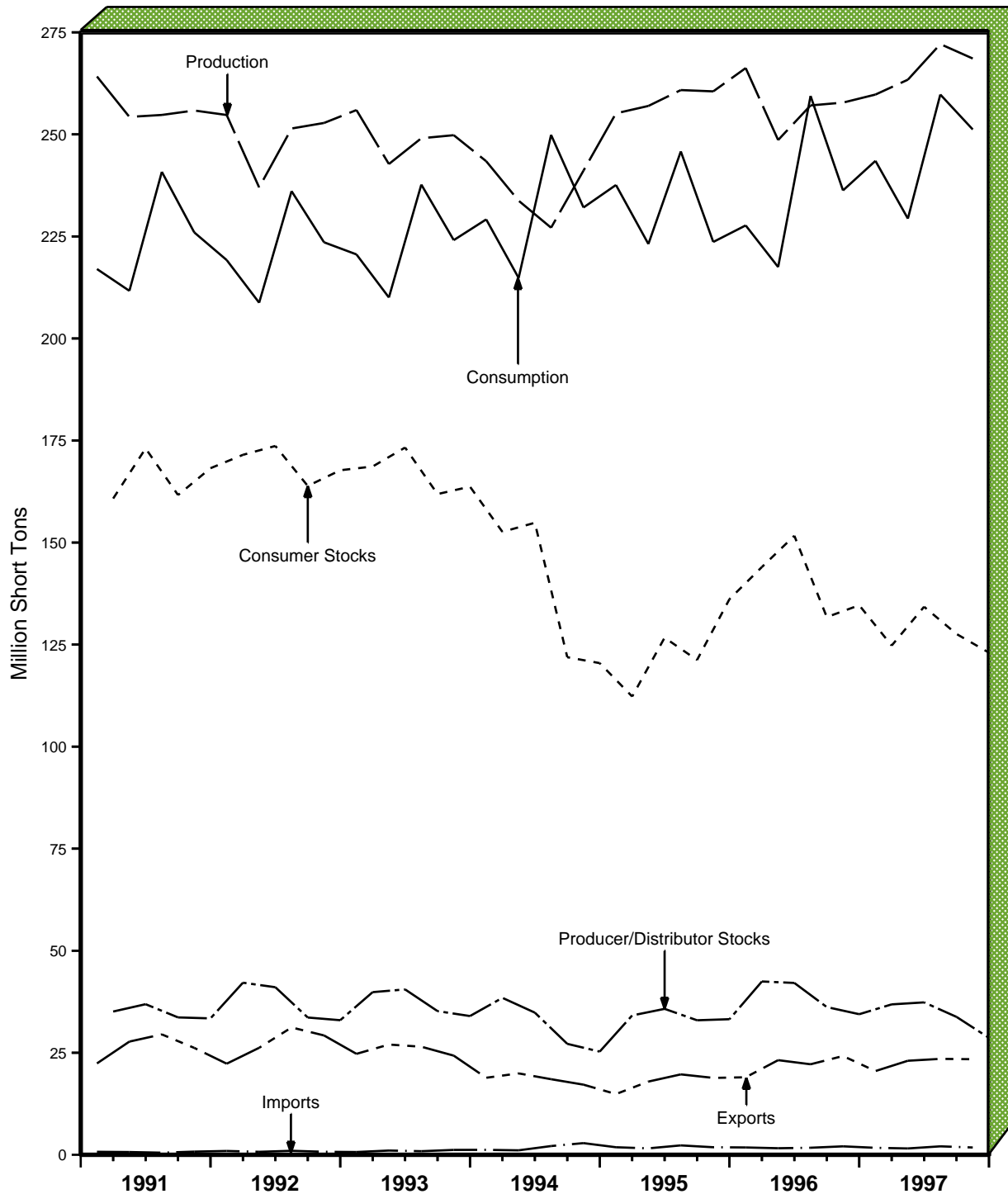
In the Mountain Census Division, coal-fired generation was used to meet the 9-percent increase in electricity demand in that region. Even though electricity demand was down 5 percent in the East North Central Census Division, coal-fired generation and to a lesser extent natural gas generation made up for the 29-percent shortfall of nuclear-powered generation in Illinois and Wisconsin. In Illinois, nuclear units at Commonwealth Edison's Zion and LaSalle Stations and Illinois Power's Clinton Station have been out of service. Wisconsin Electric Power Company's Point Beach Unit 2 and Kewaunee plant have also been out of service during the first half of 1997.

Consumer stocks on June 30, 1997, totaled 128.1 million short tons, up 8 million short tons from the end of the first quarter of 1997 (Table 45). The increase was primarily due to a build-up of coal stocks at electric utilities. Producers and distributors increased stock levels to a second-quarter record of 43 million short tons, 5 million short tons more than in the first quarter of 1997 (Table 52).

Sources: Energy Information Administration, *Electric Power Monthly*, September 1997, DOE/EIA-0226(97/09); *Monthly Energy Review*, September 1997, DOE/EIA-0035(97/09).



Figure 1. Quarterly U.S. Coal Production, Imports, Consumption, Exports, and Stocks, 1991-1997



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

**Sources:** Production: Energy Information Administration (EIA), Form EIA-6, Schedule Q, "Quarterly Coal Production Report;" U.S. Department of Labor, Mine Safety and Health Administration, "Quarterly Mine Employment and Coal Production Report;" and State mining agency coal production reports; U.S. Department of Commerce, Bureau of the Census, "Monthly Report IM 145;" Imports: U.S. Department of Commerce, Bureau of the Census, "Monthly Report IM 145;" Exports: U.S. Department of Commerce, Bureau of the Census, "Monthly Report EM 545;" Consumption and Consumption: U.S. Department of Commerce, Bureau of the Census, "Monthly Report EM 545;" Consumption and Consumption: 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."

**Table 1. U.S. Coal Production, Imports, Consumption, Exports, and Stocks, 1991-1997**  
(Thousand Short Tons)

Year and Quarter	Production	Imports	Producer and Distributor Stocks <sup>1</sup>	Consumption	Exports	Consumer Stocks <sup>1</sup>	Losses and Unaccounted For <sup>2</sup>
<b>1991 January - March</b> .....	254,746	938	42,162	219,208	22,318	171,485	2,140
April - June .....	237,006	730	41,054	208,757	26,214	173,663	1,696
July - September .....	251,438	984	33,628	236,093	31,197	163,860	2,360
October - December.....	252,794	738	32,971	223,562	29,239	167,711	-2,464
<b>Total</b> .....	<b>995,984</b>	<b>3,390</b>		<b>887,621</b>	<b>108,969</b>		<b>3,731</b>
<b>1992 January - March</b> .....	255,956	679	39,853	220,594	24,731	168,632	3,507
April - June .....	242,735	1,043	40,513	210,037	27,010	173,270	1,434
July - September .....	249,055	882	35,198	237,698	26,481	161,878	2,464
October - December.....	249,799	1,199	33,993	224,093	24,294	163,692	2,002
<b>Total</b> .....	<b>997,545</b>	<b>3,803</b>		<b>892,421</b>	<b>102,516</b>		<b>9,407</b>
<b>1993 January - March</b> .....	243,417	1,213	38,453	229,165	18,870	152,619	3,208
April - June .....	233,750	1,093	34,827	214,820	19,946	154,842	1,479
July - September .....	227,131	2,142	27,183	249,872	18,522	121,909	1,457
October - December.....	241,127	2,861	25,284	232,087	17,181	120,458	-1,930
<b>Total</b> .....	<b>945,424</b>	<b>7,309</b>		<b>925,944</b>	<b>74,519</b>		<b>4,213</b>
<b>1994 January - March</b> .....	255,153	1,850	34,139	237,596	14,877	112,278	3,854
April - June .....	256,964	1,577	35,758	223,145	17,940	126,694	1,421
July - September .....	260,853	2,304	32,955	245,820	19,704	121,225	5,904
October - December.....	260,535	1,853	33,219	223,640	18,838	136,139	4,732
<b>Total</b> .....	<b>1,033,504</b>	<b>7,584</b>		<b>930,201</b>	<b>71,359</b>		<b>15,912</b>
<b>1995 January - March</b> .....	266,244	1,795	42,460	227,695	18,988	144,004	4,252
April - June .....	248,613	1,609	42,104	217,496	23,184	151,657	2,245
July - September .....	257,097	1,725	36,193	259,415	22,175	131,739	3,062
October - December.....	257,782	2,071	34,444	236,274	24,201	134,639	-1,773
<b>Total</b> .....	<b>1,029,737</b>	<b>7,201</b>		<b>940,880</b>	<b>88,547</b>		<b>7,786</b>
<b>1996 January - March</b> .....	259,756	1,713	36,851	243,360	20,516	124,760	5,066
April - June .....	263,397	1,552	37,344	229,264	23,039	134,267	2,645
July - September .....	272,118	2,071	33,780	259,657	23,504	127,595	1,264
October - December.....	268,585	1,790	28,648	251,053	23,414	123,024	5,609
<b>Total</b> .....	<b>1,063,856</b>	<b>7,126</b>		<b>983,334</b>	<b>90,473</b>		<b>14,585</b>
<b>1997 January - March</b> .....	273,927	1,331	37,544	245,813	20,011	119,847	6,133
April - June .....	269,701	1,708	42,529	232,945	20,603	128,087	4,635
<b>Total</b> .....	<b>543,628</b>	<b>3,039</b>		<b>478,758</b>	<b>40,614</b>		<b>10,768</b>

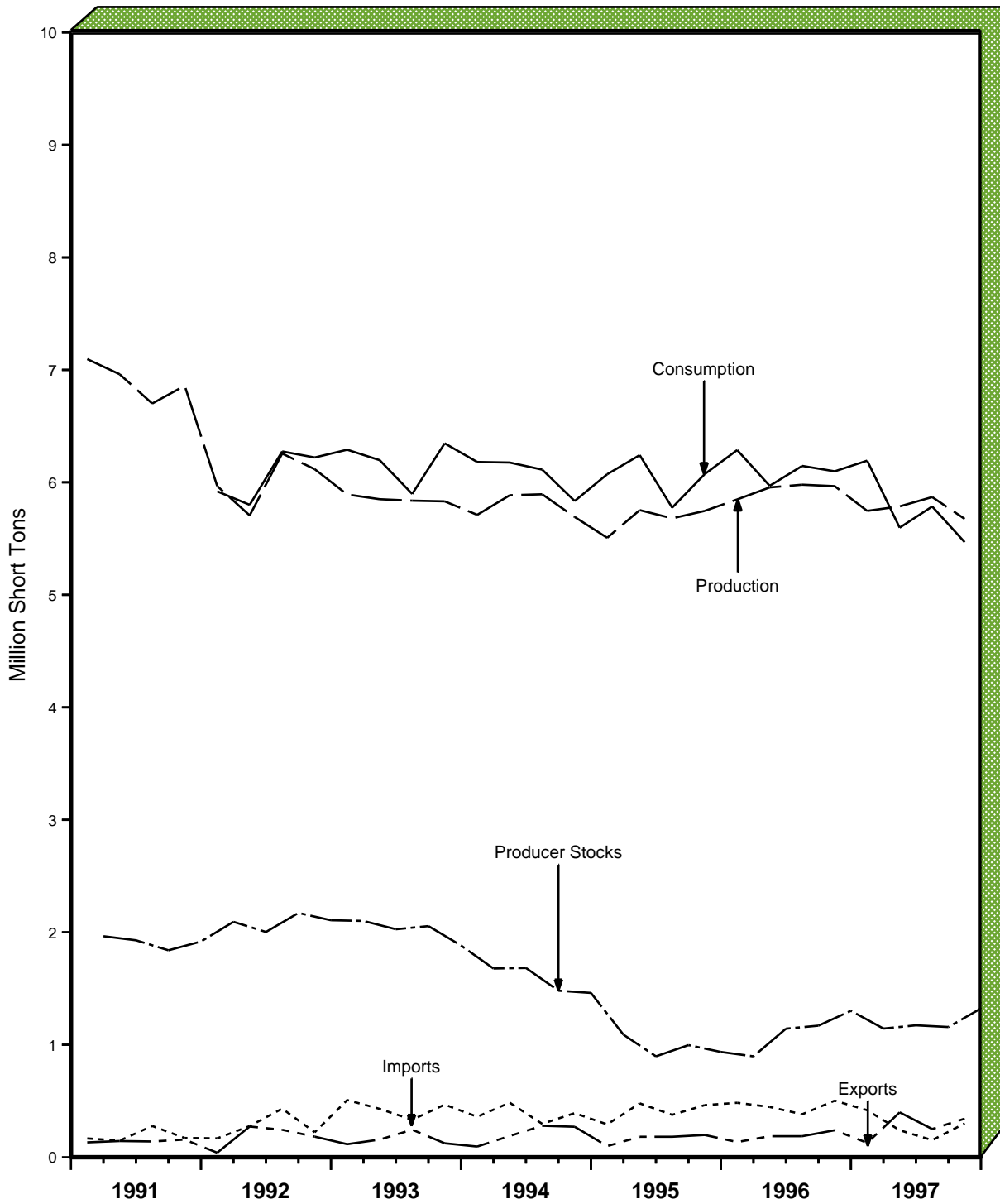
<sup>1</sup> Reported as of the last day of the quarter.

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

Notes: Consumption data for 1991 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 1991 through 1996, these excluded EIA quarterly estimated consumption data are: 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, 1991-1997



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, 1991-1997**  
(Thousand Short Tons)

Year and Quarter	Production	Imports	Producer and Distributor Stocks <sup>1</sup>	Consumption <sup>2</sup>	Exports
<b>1991 January - March</b> .....	5,967	168	2,093	5,920	40
April - June .....	5,706	277	2,003	5,800	273
July - September .....	6,256	432	2,172	6,275	244
October - December.....	6,117	222	2,107	6,221	183
<b>Total</b> .....	<b>24,046</b>	<b>1,099</b>		<b>24,216</b>	<b>740</b>
<b>1992 January - March</b> .....	5,892	508	2,101	6,290	116
April - June .....	5,850	430	2,027	6,197	157
July - September .....	5,837	333	2,055	5,897	245
October - December.....	5,831	468	1,883	6,347	124
<b>Total</b> .....	<b>23,410</b>	<b>1,739</b>		<b>24,731</b>	<b>642</b>
<b>1993 January - March</b> .....	5,711	360	1,678	6,181	95
April - June .....	5,885	485	1,683	6,176	189
July - September .....	5,894	297	1,481	6,113	280
October - December.....	5,692	392	1,461	5,834	271
<b>Total</b> .....	<b>23,182</b>	<b>1,534</b>		<b>24,303</b>	<b>835</b>
<b>1994 January - March</b> .....	5,507	292	1,090	6,072	99
April - June .....	5,753	479	897	6,242	182
July - September .....	5,680	377	997	5,775	182
October - December.....	5,746	463	936	6,073	198
<b>Total</b> .....	<b>22,686</b>	<b>1,612</b>		<b>24,163</b>	<b>660</b>
<b>1995 January - March</b> .....	5,848	484	897	6,287	135
April - June .....	5,955	447	1,143	5,969	187
July - September .....	5,979	382	1,170	6,146	187
October - December.....	5,966	503	1,302	6,098	240
<b>Total</b> .....	<b>23,749</b>	<b>1,816</b>		<b>24,500</b>	<b>750</b>
<b>1996 January - March</b> .....	5,746	418	1,144	6,193	128
April - June .....	5,786	240	1,173	5,597	399
July - September .....	5,869	152	1,158	5,785	251
October - December.....	5,675	301	1,323	5,468	343
<b>Total</b> .....	<b>23,075</b>	<b>1,111</b>		<b>23,043</b>	<b>1,121</b>
<b>1997 January - March</b> .....	5,551	271	1,365	5,717	63
April - June .....	5,488	411	1,537	5,445	282
<b>Total</b> .....	<b>11,040</b>	<b>682</b>		<b>11,162</b>	<b>346</b>

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

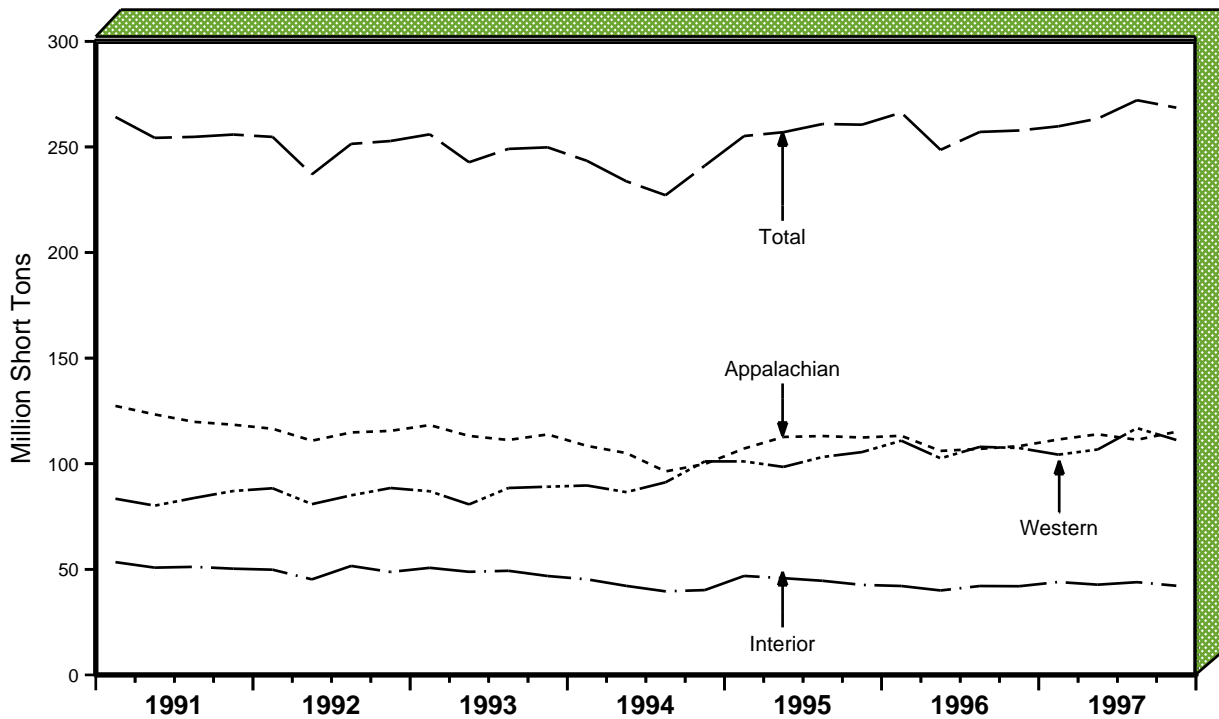
<sup>2</sup> Consumption is equal to production plus imports plus/minus the change in producer and distributor stocks minus exports.

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

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

# Production

Figure 3. U.S. Quarterly Coal Production, 1991-1997



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, 1991-1997  
(Thousand Short Tons)

Year	January - March	April - June	July - September	October - December	Year to Date
1991.....	254,746	237,006	251,438	252,794	995,984
1992.....	255,956	242,735	249,055	249,799	997,545
1993.....	243,417	233,750	227,131	241,127	945,424
1994.....	255,153	256,964	260,853	260,535	1,033,504
1995.....	266,244	248,613	257,097	257,782	1,029,737
1996.....	259,756	263,397	272,118	268,585	1,063,856
1997.....	273,927	269,701	NA	NA	543,628

NA Not available.

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

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

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

Coal-Producing Region and State	April - June 1997	January - March 1997	April - June 1996	Year to Date		
				1997	1996	Percent Change
Alabama.....	6,498	6,484	6,902	12,982	12,526	3.6
Alaska.....	317	370	330	687	770	-10.7
Arizona.....	2,649	2,998	2,712	5,646	4,986	13.2
Arkansas.....	4	4	4	8	12	-30.8
Colorado.....	7,953	7,132	5,731	15,085	10,788	39.8
Illinois.....	10,409	12,127	12,743	22,536	25,197	-10.6
Indiana.....	8,686	7,062	6,803	15,749	13,196	19.3
Kansas.....	115	83	60	198	122	62.6
Kentucky Total.....	38,505	39,297	37,607	77,802	76,150	2.2
Eastern.....	30,356	30,475	29,019	60,830	58,403	4.2
Western.....	8,149	8,823	8,588	16,972	17,747	-4.4
Louisiana.....	976	796	833	1,772	1,571	12.8
Maryland.....	941	1,170	1,098	2,111	2,100	.5
Missouri.....	85	128	161	214	317	-32.6
Montana.....	9,236	9,717	8,997	18,953	17,482	8.4
New Mexico.....	6,640	7,139	5,676	13,780	11,420	20.7
North Dakota.....	6,945	7,423	6,755	14,369	14,508	-1.0
Ohio.....	7,159	7,869	7,158	15,028	14,309	5.0
Oklahoma.....	393	426	432	819	899	-8.9
Pennsylvania Total.....	18,813	17,345	16,487	36,158	33,999	6.4
Anthracite.....	1,115	1,210	1,068	2,325	2,085	11.5
Bituminous.....	17,698	16,135	15,420	33,833	31,914	6.0
Tennessee.....	830	932	946	1,762	1,818	-3.0
Texas.....	12,554	13,432	13,103	25,986	27,655	-6.0
Utah.....	7,359	6,724	7,154	14,082	14,085	*
Virginia.....	9,176	9,324	8,802	18,500	17,937	3.1
Washington.....	976	804	1,228	1,780	2,168	-17.9
West Virginia Total.....	44,064	45,429	43,528	89,493	84,325	6.1
Northern.....	11,606	12,739	11,557	24,346	22,667	7.4
Southern.....	32,457	32,690	31,971	65,147	61,658	5.7
Wyoming.....	68,417	69,710	68,147	138,127	134,815	2.5
<b>Appalachian Total.....</b>	<b>117,836</b>	<b>119,028</b>	<b>113,940</b>	<b>236,864</b>	<b>225,415</b>	<b>5.1</b>
<b>Interior Total.....</b>	<b>41,372</b>	<b>42,882</b>	<b>42,727</b>	<b>84,254</b>	<b>86,716</b>	<b>-2.8</b>
<b>Western Total.....</b>	<b>110,492</b>	<b>112,017</b>	<b>106,730</b>	<b>222,509</b>	<b>211,022</b>	<b>5.4</b>
<b>East of the Miss. River.....</b>	<b>145,081</b>	<b>147,040</b>	<b>142,073</b>	<b>292,121</b>	<b>281,555</b>	<b>3.8</b>
<b>West of the Miss. River.....</b>	<b>124,620</b>	<b>126,887</b>	<b>121,324</b>	<b>251,507</b>	<b>241,598</b>	<b>4.1</b>
<b>U.S. Total.....</b>	<b>269,701</b>	<b>273,927</b>	<b>263,397</b>	<b>543,628</b>	<b>523,153</b>	<b>3.9</b>

\* Rounded to zero.

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)

	April - June 1997	January - March 1997	April - June 1996	Year to Date		
				1997	1996	Percent Change
<b>Coke Total</b> .....	5,488	5,551	5,786	11,040	11,532	-4.3
<b>By State</b>						
Alabama .....	590	581	615	1,170	1,222	-4.3
Illinois .....	w	w	w	w	w	w
Indiana .....	1,115	1,089	1,120	2,204	2,266	-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 .....	334	339	341	673	683	-1.5
Pennsylvania .....	1,924	1,897	1,918	3,821	3,808	.3
Utah .....	w	w	w	w	w	w
Virginia .....	w	w	w	w	w	w
West Virginia .....	w	w	w	w	w	w
<b>By Plant Type</b>						
Merchant Coke						
Plants .....	750	752	773	1,503	1,550	-3.0
Furnace Coke Plants	4,738	4,799	5,013	9,537	9,982	-4.5
<b>Breeze Total</b> .....	309	311	367	621	733	-15.3

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

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

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



# Exports and Imports

**Table 6. U.S. Coal Exports and Imports, 1991-1997**  
(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
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
1997.....	20,011	1,331	20,603	1,708	NA	NA	NA	NA	40,614	3,039

NA Not available.

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

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

**Table 7. Average Price of U.S. Coal Exports and Imports, 1991-1997**  
(Dollars per Short Ton)

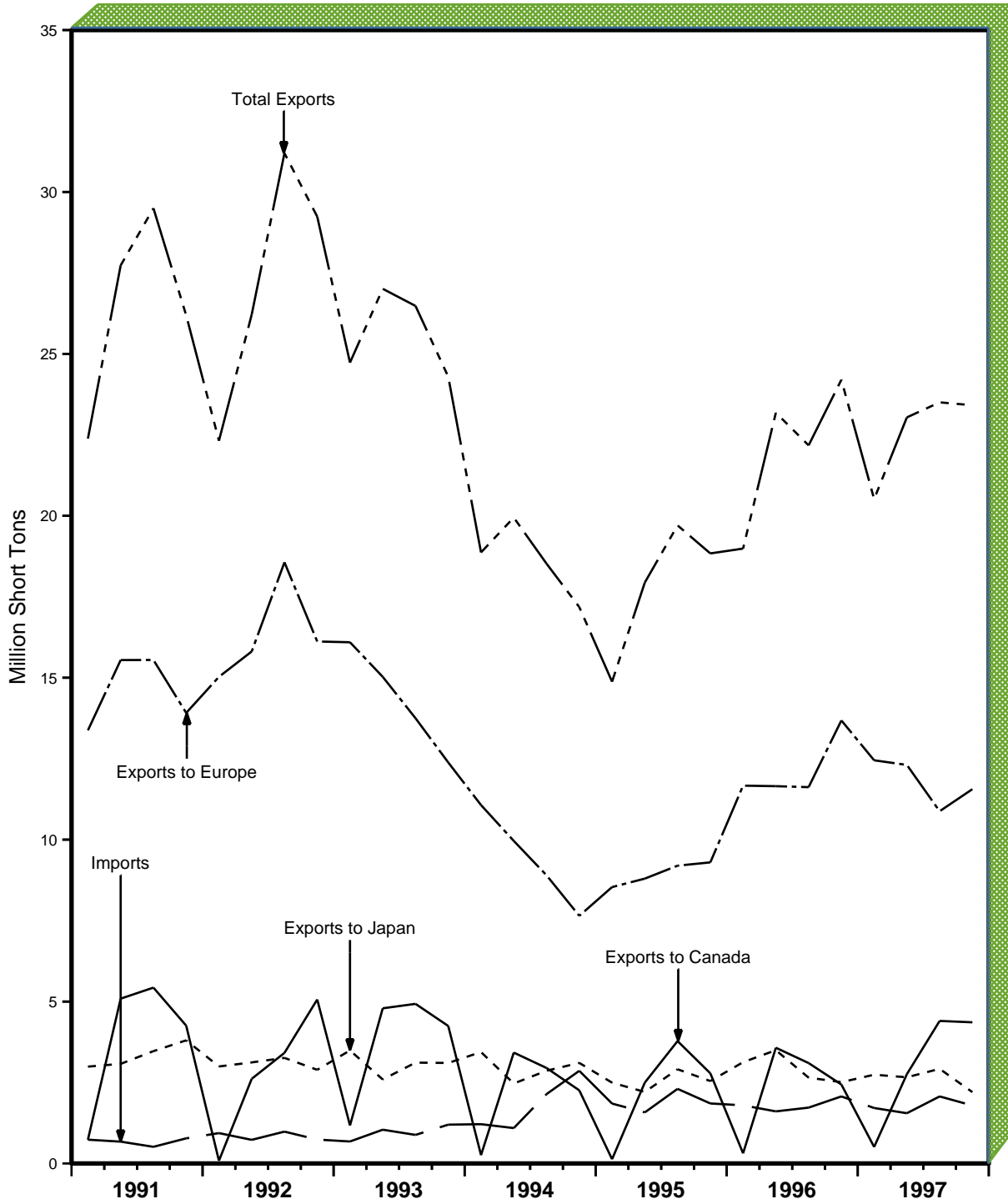
Year	January - March		April - June		July - September		October - December		Total	
	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports
1991.....	\$44.58	\$33.71	\$42.97	\$34.60	\$41.51	\$31.45	\$41.15	\$33.16	\$42.39	\$33.12
1992.....	42.28	33.63	41.34	32.96	40.70	34.43	41.07	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
1997.....	41.72	33.85	40.80	35.26	NA	NA	NA	NA	NA	NA

NA Not available.

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

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

Figure 4. Quarterly U.S. Coal Exports and Imports, 1991-1997



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	April - June 1997	January - March 1997	April - June 1996	Year to date		
				1997	1996	Percent Change
<b>North America Total</b> .....	<b>4,061,358</b>	<b>1,887,005</b>	<b>2,944,043</b>	<b>5,948,363</b>	<b>3,680,502</b>	<b>61.6</b>
Canada <sup>1</sup> .....	3,564,963	1,454,185	2,757,825	5,019,148	3,267,991	53.6
Jamaica.....	14,261	13,583	—	27,844	9,718	186.5
Mexico.....	482,134	413,621	165,745	895,755	382,071	134.4
Other <sup>2</sup> .....	—	5,616	20,473	5,616	20,722	-72.9
<b>South America Total</b> .....	<b>2,021,661</b>	<b>2,143,870</b>	<b>2,036,962</b>	<b>4,165,531</b>	<b>3,609,125</b>	<b>15.4</b>
Argentina.....	15,877	161,015	139,781	176,892	180,254	-1.9
Brazil.....	1,828,935	1,925,635	1,734,086	3,754,570	3,105,400	20.9
Chile.....	90,518	5,481	159,631	95,999	310,234	-69.1
Other <sup>2</sup> .....	86,331	51,739	3,464	138,070	13,237	( <sup>3</sup> )
<b>Europe Total</b> .....	<b>10,796,233</b>	<b>11,079,760</b>	<b>12,306,812</b>	<b>21,875,993</b>	<b>24,757,145</b>	<b>-11.6</b>
Belgium & Luxembourg.....	830,745	1,381,891	1,200,431	2,212,636	2,632,349	-15.9
Bulgaria.....	440,807	222,697	402,366	663,504	770,307	-13.9
Denmark.....	109,105	115,742	302,566	224,847	733,734	-69.4
Finland.....	204,381	—	262,426	204,381	313,741	-34.9
France.....	891,402	933,504	939,913	1,824,906	1,977,925	-7.7
Germany, FR.....	297,117	130,541	308,624	427,658	667,618	-35.9
Ireland.....	118,621	263,513	—	382,134	246,656	54.9
Italy.....	1,859,879	1,730,088	2,613,976	3,589,967	5,416,167	-33.7
Netherlands.....	929,093	1,680,345	1,609,742	2,609,438	3,672,055	-28.9
Norway.....	37,430	17,303	17,843	54,733	32,471	68.6
Portugal.....	366,709	202,358	260,448	569,067	514,983	10.5
Romania.....	726,902	298,579	390,811	1,025,481	686,508	49.4
Spain.....	1,156,369	997,971	1,283,497	2,154,340	2,193,742	-1.8
Sweden.....	88,255	81,474	210,413	169,729	367,903	-53.9
Turkey.....	657,443	596,184	638,039	1,253,627	1,131,622	10.8
United Kingdom.....	2,067,044	2,410,792	1,659,447	4,477,836	3,170,631	41.2
Other <sup>2</sup> .....	14,931	16,778	206,270	31,709	228,733	-86.1
<b>Asia Total</b> .....	<b>3,222,816</b>	<b>3,955,310</b>	<b>4,521,750</b>	<b>7,178,126</b>	<b>9,102,674</b>	<b>-21.1</b>
China (Taiwan).....	384,319	640,481	651,363	1,024,800	1,241,591	-17.5
Israel.....	45,333	286,304	255,614	331,637	502,781	-34.0
Japan.....	1,826,810	2,360,432	2,661,918	4,187,242	5,403,412	-22.5
Korea, Republic of.....	964,784	633,343	939,750	1,598,127	1,924,648	-17.0
Other <sup>2</sup> .....	1,570	34,750	13,105	36,320	30,242	20.1
<b>Oceania &amp; Australia Total</b> .....	<b>609</b>	<b>—</b>	<b>101</b>	<b>609</b>	<b>101</b>	<b>(<sup>3</sup>)</b>
<b>Africa Total</b> .....	<b>500,590</b>	<b>945,126</b>	<b>1,229,452</b>	<b>1,445,716</b>	<b>2,405,199</b>	<b>-39.9</b>
Algeria.....	55,030	54,980	54,997	110,010	114,909	-4.3
Egypt.....	255,832	379,890	254,299	635,722	544,049	16.9
Morocco.....	—	141,980	670,214	141,980	1,195,419	-88.1
South Africa, Rep of.....	189,400	368,276	249,942	557,676	550,822	1.2
Other <sup>2</sup> .....	328	—	—	328	—	—
<b>Total</b> .....	<b>20,603,267</b>	<b>20,011,071</b>	<b>23,039,120</b>	<b>40,614,338</b>	<b>43,554,746</b>	<b>-6.8</b>

<sup>1</sup> Based on the U.S. - Canada Free Trade Agreement; as of January 1990, the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government.

<sup>2</sup> Includes countries with exports less than or equal to 50,000 short tons in 1996.

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

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

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

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

Continent and Country of Destination	April - June 1997	January - March 1997	April - June 1996	Year to date		
				1997	1996	Percent Change
<b>North America Total</b> .....	<b>\$30.46</b>	<b>\$33.23</b>	<b>\$33.61</b>	<b>\$31.34</b>	<b>\$34.43</b>	<b>-9.0</b>
Canada <sup>1</sup> .....	29.52	31.30	32.84	30.04	33.24	-9.6
Jamaica.....	41.96	41.96	-	41.96	35.37	18.6
Mexico.....	36.96	39.35	46.03	38.08	44.61	-14.6
Other <sup>2</sup> .....	-	40.68	39.59	40.68	39.59	2.8
<b>South America Total</b> .....	<b>43.21</b>	<b>44.43</b>	<b>43.85</b>	<b>43.84</b>	<b>43.68</b>	<b>.4</b>
Argentina.....	40.75	48.18	47.12	47.52	45.61	4.2
Brazil.....	43.80	44.22	44.53	44.02	44.57	-1.2
Chile.....	33.66	39.82	32.45	34.01	31.77	7.0
Other <sup>2</sup> .....	40.81	40.92	40.76	40.85	34.49	18.4
<b>Europe Total</b> .....	<b>42.85</b>	<b>42.39</b>	<b>42.04</b>	<b>42.62</b>	<b>41.92</b>	<b>1.7</b>
Belgium & Luxembourg.....	47.09	46.28	45.48	46.58	46.07	1.1
Bulgaria.....	47.13	46.30	45.36	46.85	43.72	7.2
Denmark.....	30.80	36.15	29.45	33.55	29.92	12.2
Finland.....	41.51	-	44.39	41.51	44.53	-6.8
France.....	45.16	45.97	45.74	45.58	44.01	3.6
Germany, FR.....	45.86	42.71	35.86	44.90	36.28	23.8
Ireland.....	37.42	37.93	-	37.77	37.11	1.8
Italy.....	44.84	45.97	44.14	45.38	44.26	2.5
Netherlands.....	45.86	43.71	41.03	44.47	41.22	7.9
Norway.....	-	-	57.98	-	-	-
Portugal.....	35.55	38.81	39.00	36.71	37.55	-2.2
Romania.....	48.00	44.57	45.93	47.00	45.80	2.6
Spain.....	34.09	38.14	35.12	35.97	36.66	-1.9
Sweden.....	48.34	48.31	44.76	48.32	46.21	4.6
Turkey.....	46.62	46.19	45.23	46.42	44.94	3.3
United Kingdom.....	39.59	36.28	41.10	37.81	39.62	-4.6
Other <sup>2</sup> .....	54.59	54.86	35.92	-	37.98	44.1
<b>Asia Total</b> .....	<b>40.89</b>	<b>39.75</b>	<b>38.75</b>	<b>40.26</b>	<b>39.70</b>	<b>1.4</b>
China (Taiwan).....	34.54	37.49	35.43	36.39	36.54	-4
Israel.....	37.19	37.09	36.28	37.11	35.59	4.2
Japan.....	40.14	39.29	38.27	39.66	39.41	.6
Korea, Republic of.....	45.02	45.24	42.86	45.11	43.53	3.6
Other <sup>2</sup> .....	39.93	34.97	57.28	35.16	-	-31.7
<b>Oceania &amp; Australia Total</b> .....	<b>40.81</b>	<b>-</b>	<b>40.90</b>	<b>40.81</b>	<b>40.90</b>	<b>-2</b>
<b>Africa Total</b> .....	<b>49.90</b>	<b>48.25</b>	<b>42.24</b>	<b>48.82</b>	<b>43.04</b>	<b>13.4</b>
Algeria.....	46.28	48.46	48.56	47.37	49.70	-4.7
Egypt.....	51.48	53.77	55.74	-	-	-3.5
Morocco.....	-	30.67	33.98	30.67	34.14	-10.2
South Africa, Rep of.....	48.83	49.30	49.26	49.14	49.38	-5
Other <sup>2</sup> .....	40.76	-	-	40.76	-	-
<b>Total<sup>3</sup></b> .....	<b>40.39</b>	<b>41.53</b>	<b>40.53</b>	<b>40.95</b>	<b>41.06</b>	<b>-3</b>
<b>U.S. Total<sup>4</sup></b> .....	<b>40.80</b>	<b>41.72</b>	<b>40.78</b>	<b>41.26</b>	<b>41.25</b>	<b>*</b>

<sup>1</sup> Based on the U.S. - Canada Free Trade Agreement; as of January 1990, the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government.

<sup>2</sup> Includes countries with exports less than or equal to 50,000 short tons in 1996.

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

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

\* Rounded to zero

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

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

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

Continent and Country of Destination	April - June 1997	January - March 1997	April - June 1996	Year to date		
				1997	1996	Percent Change
<b>North America Total</b> .....	<b>2,552,607</b>	<b>1,685,358</b>	<b>1,382,042</b>	<b>4,237,965</b>	<b>1,733,421</b>	<b>144.5</b>
Canada <sup>1</sup> .....	2,158,882	1,335,745	1,319,290	3,494,627	1,567,445	123.0
Jamaica.....	14,261	13,583	—	27,844	9,718	186.5
Mexico.....	379,464	330,414	42,279	709,878	135,536	423.8
Other <sup>2</sup> .....	—	5,616	20,473	5,616	20,722	-72.9
<b>South America Total</b> .....	<b>228,118</b>	<b>123,685</b>	<b>203,078</b>	<b>351,803</b>	<b>300,101</b>	<b>17.2</b>
Argentina.....	15,877	18,342	75	34,219	426	( <sup>3</sup> )
Brazil.....	35,392	48,123	39,908	83,515	54,050	54.5
Chile.....	90,518	5,481	159,631	95,999	232,585	-58.7
Other <sup>2</sup> .....	86,331	51,739	3,464	138,070	13,040	( <sup>3</sup> )
<b>Europe Total</b> .....	<b>3,413,205</b>	<b>3,788,566</b>	<b>4,915,303</b>	<b>7,201,771</b>	<b>10,085,658</b>	<b>-28.6</b>
Belgium & Luxembourg.....	80,535	295,052	272,992	375,587	515,003	-27.1
Bulgaria.....	—	—	118,515	—	118,515	—
Denmark.....	109,105	115,742	302,566	224,847	733,734	-69.4
Finland.....	60,361	—	—	60,361	—	—
France.....	70,155	131,324	149,329	201,479	485,515	-58.5
Germany, FR.....	64,316	65,184	202,475	129,500	478,482	-72.9
Ireland.....	118,621	142,692	—	261,313	246,656	5.9
Italy.....	657,245	652,416	1,307,053	1,309,661	2,516,092	-47.9
Netherlands.....	79,708	348,582	673,667	428,290	1,538,031	-72.2
Norway.....	6,638	—	4,608	6,638	4,608	44.1
Portugal.....	366,709	129,559	226,947	496,268	481,482	3.1
Spain.....	677,534	374,776	726,795	1,052,310	1,096,350	-4.0
Sweden.....	—	—	67,576	—	67,576	—
Turkey.....	497	1,278	2,615	1,775	124,952	-98.6
United Kingdom.....	1,118,729	1,528,446	669,791	2,647,175	1,488,288	77.9
Other <sup>2</sup> .....	3,052	3,515	190,374	6,567	190,374	-96.6
<b>Asia Total</b> .....	<b>1,183,245</b>	<b>1,955,869</b>	<b>2,818,189</b>	<b>3,139,114</b>	<b>4,839,806</b>	<b>-35.1</b>
China (Taiwan).....	384,319	502,748	651,363	887,067	1,105,459	-19.8
Israel.....	45,333	254,209	255,614	299,542	502,781	-40.4
Japan.....	515,743	1,094,240	1,530,380	1,609,983	2,612,356	-38.4
Korea, Republic of.....	236,280	81,769	379,301	318,049	612,515	-48.1
Other <sup>2</sup> .....	1,570	22,903	1,531	24,473	6,695	265.5
<b>Oceania &amp; Australia Total</b> .....	<b>609</b>	<b>—</b>	<b>101</b>	<b>609</b>	<b>101</b>	<b>(<sup>3</sup>)</b>
<b>Africa Total</b> .....	<b>578</b>	<b>142,731</b>	<b>670,214</b>	<b>143,309</b>	<b>1,196,329</b>	<b>-88.0</b>
Egypt.....	250	751	—	1,001	910	10.0
Morocco.....	—	141,980	670,214	141,980	1,195,419	-88.1
Other <sup>2</sup> .....	328	—	—	328	—	—
<b>Total</b> .....	<b>7,378,362</b>	<b>7,696,209</b>	<b>9,988,927</b>	<b>15,074,571</b>	<b>18,155,416</b>	<b>-17.0</b>

<sup>1</sup> Based on the U.S. - Canada Free Trade Agreement; as of January 1990, the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government.

<sup>2</sup> Includes countries with exports less than or equal to 50,000 short tons in 1996.

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

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

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

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

Continent and Country of Destination	April - June 1997	January - March 1997	April - June 1996	Year to date		
				1997	1996	Percent Change
<b>North America Total</b> .....	<b>\$27.49</b>	<b>\$32.15</b>	<b>\$28.49</b>	<b>\$29.37</b>	<b>\$29.84</b>	<b>-1.6</b>
Canada <sup>1</sup> .....	26.06	30.70	28.12	27.86	28.98	-3.9
Jamaica.....	41.96	41.96	-	41.96	35.37	18.6
Mexico.....	34.48	37.24	35.58	35.76	38.78	-7.8
Other <sup>2</sup> .....	-	40.68	39.59	40.68	39.59	2.8
<b>South America Total</b> .....	<b>37.35</b>	<b>42.64</b>	<b>34.22</b>	<b>39.26</b>	<b>34.28</b>	<b>14.5</b>
Argentina.....	40.75	40.81	-	40.78	-	-
Brazil.....	37.76	45.51	39.03	42.23	39.58	6.7
Chile.....	33.66	39.82	32.45	34.01	32.50	4.6
Other <sup>2</sup> .....	40.81	40.92	40.76	40.85	34.25	19.3
<b>Europe Total</b> .....	<b>31.95</b>	<b>32.52</b>	<b>33.61</b>	<b>32.25</b>	<b>33.91</b>	<b>-4.9</b>
Belgium & Luxembourg.....	37.06	37.09	35.48	37.08	36.27	2.2
Bulgaria.....	-	-	49.12	-	49.12	-
Denmark.....	30.80	36.15	29.45	33.55	29.92	12.2
Finland.....	36.20	-	-	36.20	-	-
France.....	37.20	34.65	39.15	35.54	36.48	-2.6
Germany, FR.....	37.88	37.88	29.07	37.88	31.46	20.4
Ireland.....	37.42	38.37	-	37.94	37.11	2.2
Italy.....	38.72	41.63	41.32	40.17	41.25	-2.6
Netherlands.....	31.09	32.52	31.25	32.25	32.30	-1
Portugal.....	35.55	35.38	37.90	35.50	36.93	-3.9
Spain.....	22.08	21.65	21.64	21.93	21.58	1.6
Sweden.....	-	-	37.54	-	37.54	-
Turkey.....	40.79	40.77	40.17	40.77	42.01	-2.9
United Kingdom.....	31.08	28.92	28.94	29.83	29.09	2.5
Other <sup>2</sup> .....	34.47	34.70	34.11	34.59	34.11	1.4
<b>Asia Total</b> .....	<b>34.77</b>	<b>35.77</b>	<b>35.97</b>	<b>35.39</b>	<b>35.82</b>	<b>-1.2</b>
China (Taiwan).....	34.54	35.63	35.43	35.16	35.38	-6
Israel.....	37.19	35.58	36.28	35.82	35.59	.6
Japan.....	34.39	36.20	36.27	35.62	36.15	-1.5
Korea, Republic of.....	35.47	34.96	35.50	35.34	35.36	-1
Other <sup>2</sup> .....	39.93	23.22	40.40	24.18	36.29	-33.4
<b>Oceania &amp; Australia Total</b> .....	<b>40.81</b>	<b>-</b>	<b>40.90</b>	<b>40.81</b>	<b>40.90</b>	<b>-2</b>
<b>Africa Total</b> .....	<b>40.80</b>	<b>30.73</b>	<b>33.98</b>	<b>30.77</b>	<b>34.15</b>	<b>-9.9</b>
Egypt.....	40.86	40.80	-	40.82	40.78	.1
Morocco.....	-	30.67	33.98	30.67	34.14	-10.2
Other <sup>2</sup> .....	40.76	-	-	40.76	-	-
<b>Total</b> <sup>3</sup> .....	<b>31.10</b>	<b>33.40</b>	<b>33.70</b>	<b>32.29</b>	<b>34.12</b>	<b>-5.4</b>
<b>U.S. Total</b> <sup>4</sup> .....	<b>32.25</b>	<b>33.92</b>	<b>34.32</b>	<b>33.10</b>	<b>34.60</b>	<b>-4.3</b>

<sup>1</sup> Based on the U.S. - Canada Free Trade Agreement; as of January 1990, the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government.

<sup>2</sup> Includes countries with exports less than or equal to 50,000 short tons in 1996.

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

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

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

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

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

Continent and Country of Destination	April - June 1997	January - March 1997	April - June 1996	Year to date		
				1997	1996	Percent Change
<b>North America Total</b> .....	<b>1,508,751</b>	<b>201,647</b>	<b>1,562,001</b>	<b>1,710,398</b>	<b>1,947,081</b>	<b>-12.2</b>
Canada <sup>1</sup> .....	1,406,081	118,440	1,438,535	1,524,521	1,700,546	-10.4
Mexico.....	102,670	83,207	123,466	185,877	246,535	-24.6
<b>South America Total</b> .....	<b>1,793,543</b>	<b>2,020,185</b>	<b>1,833,884</b>	<b>3,813,728</b>	<b>3,309,024</b>	<b>15.3</b>
Argentina.....	-	142,673	139,706	142,673	179,828	-20.7
Brazil.....	1,793,543	1,877,512	1,694,178	3,671,055	3,051,350	20.3
Chile.....	-	-	-	-	77,649	-
Other <sup>2</sup> .....	-	-	-	-	197	-
<b>Europe Total</b> .....	<b>7,383,028</b>	<b>7,291,194</b>	<b>7,391,509</b>	<b>14,674,222</b>	<b>14,671,487</b>	<b>*</b>
Belgium & Luxembourg.....	750,210	1,086,839	927,439	1,837,049	2,117,346	-13.2
Bulgaria.....	440,807	222,697	283,851	663,504	651,792	1.8
Finland.....	144,020	-	262,426	144,020	313,741	-54.1
France.....	821,247	802,180	790,584	1,623,427	1,492,410	8.8
Germany, FR.....	232,801	65,357	106,149	298,158	189,136	57.6
Ireland.....	-	120,821	-	120,821	-	-
Italy.....	1,202,634	1,077,672	1,306,923	2,280,306	2,900,075	-21.4
Netherlands.....	849,385	1,331,763	936,075	2,181,148	2,134,024	2.2
Norway.....	30,792	17,303	13,235	48,095	27,863	72.6
Portugal.....	-	72,799	33,501	72,799	33,501	117.3
Romania.....	726,902	298,579	390,811	1,025,481	686,508	49.4
Spain.....	478,835	623,195	556,702	1,102,030	1,097,392	.4
Sweden.....	88,255	81,474	142,837	169,729	300,327	-43.5
Turkey.....	656,946	594,906	635,424	1,251,852	1,006,670	24.4
United Kingdom.....	948,315	882,346	989,656	1,830,661	1,682,343	8.8
Other <sup>2</sup> .....	11,879	13,263	15,896	25,142	38,359	-34.5
<b>Asia Total</b> .....	<b>2,039,571</b>	<b>1,999,441</b>	<b>1,703,561</b>	<b>4,039,012</b>	<b>4,262,868</b>	<b>-5.3</b>
China (Taiwan).....	-	137,733	-	137,733	136,132	1.2
Israel.....	-	32,095	-	32,095	-	-
Japan.....	1,311,067	1,266,192	1,131,538	2,577,259	2,791,056	-7.7
Korea, Republic of.....	728,504	551,574	560,449	1,280,078	1,312,133	-2.4
Other <sup>2</sup> .....	-	11,847	11,574	11,847	23,547	-49.7
<b>Africa Total</b> .....	<b>500,012</b>	<b>802,395</b>	<b>559,238</b>	<b>1,302,407</b>	<b>1,208,870</b>	<b>7.7</b>
Algeria.....	55,030	54,980	54,997	110,010	114,909	-4.3
Egypt.....	255,582	379,139	254,299	634,721	543,139	16.9
South Africa, Rep of.....	189,400	368,276	249,942	557,676	550,822	1.2
<b>Total</b> .....	<b>13,224,905</b>	<b>12,314,862</b>	<b>13,050,193</b>	<b>25,539,767</b>	<b>25,399,330</b>	<b>.6</b>

<sup>1</sup> Based on the U.S. - Canada Free Trade Agreement; as of January 1990, the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government.

<sup>2</sup> Includes countries with exports less than or equal to 50,000 short tons in 1996.

\* Rounded to zero

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	April - June 1997	January - March 1997	April - June 1996	Year to date		
				1997	1996	Percent Change
<b>North America Total</b> .....	<b>\$35.19</b>	<b>\$41.80</b>	<b>\$37.52</b>	<b>\$35.98</b>	<b>\$37.88</b>	<b>-5.0</b>
Canada <sup>1</sup> .....	34.42	37.73	36.59	34.67	36.57	-5.2
Mexico.....	47.35	47.59	48.31	47.47	46.95	1.1
<b>South America Total</b> .....	<b>43.92</b>	<b>44.53</b>	<b>44.75</b>	<b>44.25</b>	<b>44.34</b>	<b>-2</b>
Argentina.....	-	49.12	47.12	49.12	45.61	7.7
Brazil.....	43.92	44.19	44.66	44.06	44.65	-1.3
Chile.....	-	-	-	-	30.26	-
<b>Europe Total</b> .....	<b>47.90</b>	<b>47.54</b>	<b>47.56</b>	<b>47.72</b>	<b>47.38</b>	<b>.7</b>
Belgium & Luxembourg.....	48.17	48.77	48.42	48.53	48.45	.2
Bulgaria.....	47.13	46.30	43.79	46.85	42.73	9.6
Finland.....	43.73	-	44.39	43.73	44.53	-1.8
France.....	45.84	47.82	46.99	46.82	46.45	.8
Germany, FR.....	48.07	47.52	48.83	47.95	48.48	-1.1
Ireland.....	-	37.42	-	37.42	-	-
Italy.....	48.18	48.60	46.95	48.38	46.87	3.2
Netherlands.....	47.24	46.64	48.07	46.87	47.65	-1.6
Norway.....	-	-	57.98	-	-	-
Portugal.....	-	44.91	46.45	44.91	46.45	-3.3
Romania.....	48.00	44.57	45.93	47.00	45.80	2.6
Spain.....	51.07	48.05	50.74	49.37	-	-2.4
Sweden.....	48.34	48.31	48.17	48.32	48.16	.3
Turkey.....	46.63	46.20	45.26	46.42	45.30	2.5
United Kingdom.....	49.64	49.04	49.34	49.35	48.93	.9
Other <sup>2</sup> .....	59.76	59.89	57.62	-	-	4.6
<b>Asia Total</b> .....	<b>44.44</b>	<b>43.64</b>	<b>43.36</b>	<b>44.05</b>	<b>44.12</b>	<b>-2</b>
China (Taiwan).....	-	44.30	-	44.30	45.94	-3.6
Israel.....	-	49.08	-	49.08	-	-
Japan.....	42.41	41.94	40.97	42.18	42.46	-7
Korea, Republic of.....	48.13	46.76	47.85	47.54	47.34	.4
Other <sup>2</sup> .....	-	57.51	59.36	-	-	-3.1
<b>Africa Total</b> .....	<b>49.91</b>	<b>51.37</b>	<b>52.14</b>	<b>-</b>	<b>-</b>	<b>-2.0</b>
Algeria.....	46.28	48.46	48.56	47.37	49.70	-4.7
Egypt.....	51.49	53.79	55.74	-	-	-3.5
South Africa, Rep of.....	48.83	49.30	49.26	49.14	49.38	-5
<b>Total</b> <sup>3</sup> .....	<b>45.46</b>	<b>46.57</b>	<b>45.61</b>	<b>45.99</b>	<b>45.93</b>	<b>.1</b>
<b>U.S. Total</b> <sup>4</sup> .....	<b>45.58</b>	<b>46.60</b>	<b>45.73</b>	<b>46.07</b>	<b>46.00</b>	<b>.2</b>

<sup>1</sup> Based on the U.S. - Canada Free Trade Agreement; as of January 1990, the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government.

<sup>2</sup> Includes countries with exports less than or equal to 50,000 short tons in 1996.

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

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

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

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

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

Customs District	April - June 1997	January - March 1997	April - June 1996	Year to date		
				1997	1996	Percent Change
<b>Eastern Total</b> .....	<b>13,210,949</b>	<b>13,507,594</b>	<b>14,879,812</b>	<b>26,718,543</b>	<b>29,696,805</b>	<b>-10.0</b>
Baltimore, MD.....	1,740,467	2,092,011	3,285,043	3,832,478	6,248,779	-38.7
Portland, ME.....	152	86	-	238	66	260.6
Buffalo, NY.....	1,036,406	330,576	693,294	1,366,982	787,636	73.6
New York City, NY.....	335	888	658	1,223	5,352	-77.1
Ogdensburg, NY.....	38,921	4,391	17,320	43,312	47,136	-8.1
Philadelphia, PA.....	95,114	36,556	139,337	131,670	139,692	-5.7
Norfolk, VA.....	10,299,324	11,042,299	10,744,160	21,341,623	22,467,927	-5.0
St. Albans, VT.....	230	787	-	1,017	217	368.7
<b>Southern Total</b> .....	<b>3,998,617</b>	<b>4,251,537</b>	<b>4,075,453</b>	<b>8,250,154</b>	<b>8,073,833</b>	<b>2.2</b>
Mobile, AL.....	1,535,799	1,375,263	1,506,940	2,911,062	2,899,764	.4
Savannah, GA.....	-	27,655	-	27,655	-	-
Miami, FL.....	161	-	-	161	-	-
Tampa, FL.....	45	-	-	45	-	-
New Orleans, LA.....	1,841,290	2,327,827	2,439,685	4,169,117	4,840,596	-13.9
Wilmington, NC.....	20	-	-	20	8	150.0
San Juan, PR.....	-	23	-	23	442	-94.8
Charleston, SC.....	42,805	82,570	40,780	125,375	90,069	39.2
Houston-Galveston, TX.....	186,247	107,785	45,769	294,032	107,418	173.7
Laredo, TX.....	392,250	330,414	42,279	722,664	135,536	433.2
<b>Western Total</b> .....	<b>997,307</b>	<b>1,341,829</b>	<b>2,090,392</b>	<b>2,339,136</b>	<b>3,398,685</b>	<b>-31.2</b>
Anchorage, AK.....	236,260	78,740	155,599	315,000	330,344	-4.6
Los Angeles, CA.....	674,093	1,241,113	1,896,888	1,915,206	2,969,032	-35.5
San Diego, CA.....	241	-	-	241	-	-
San Francisco, CA.....	73,587	-	-	73,587	644	(1)
Great Falls, MT.....	86	56	106	142	228	-37.7
Seattle, WA.....	13,040	21,920	37,799	34,960	98,437	-64.5
<b>Northern Total</b> .....	<b>2,391,361</b>	<b>903,412</b>	<b>1,987,881</b>	<b>3,294,773</b>	<b>2,351,162</b>	<b>40.1</b>
Detroit, MI.....	761,320	726,073	609,505	1,487,393	709,195	109.7
Duluth, MN.....	184	-	81,675	184	81,675	-99.8
Pembina, ND.....	169	29	340	198	340	-41.8
Cleveland, OH.....	1,629,688	177,310	1,296,361	1,806,998	1,559,952	15.8
<b>Other Ports</b> .....	<b>5,033</b>	<b>6,699</b>	<b>5,582</b>	<b>11,732</b>	<b>34,261</b>	<b>-65.8</b>
<b>Total</b> .....	<b>20,603,267</b>	<b>20,011,071</b>	<b>23,039,120</b>	<b>40,614,338</b>	<b>43,554,746</b>	<b>-6.8</b>

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

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

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

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

Continent and Country of Destination	April - June 1997	January - March 1997	April - June 1996	Year to date		
				1997	1996	Percent Change
<b>North America Total</b> .....	<b>232,234</b>	<b>51,578</b>	<b>235,146</b>	<b>283,812</b>	<b>279,180</b>	<b>1.7</b>
Canada <sup>1</sup> .....	185,036	2,333	178,629	187,369	200,077	-6.4
Mexico.....	46,935	48,650	50,349	95,585	64,458	48.3
Other <sup>2</sup> .....	263	595	6,168	858	14,645	-94.1
<b>South America Total</b> .....	<b>-</b>	<b>11,563</b>	<b>27,472</b>	<b>11,563</b>	<b>27,472</b>	<b>-57.9</b>
<b>Europe Total</b> .....	<b>50,241</b>	<b>-</b>	<b>136,780</b>	<b>50,241</b>	<b>221,203</b>	<b>-77.3</b>
Romania.....	-	-	84,379	-	84,379	-
Other <sup>2</sup> .....	50,241	-	52,401	50,241	136,824	-63.3
<b>Total</b> .....	<b>282,475</b>	<b>63,141</b>	<b>399,398</b>	<b>345,616</b>	<b>527,855</b>	<b>-34.5</b>

<sup>1</sup> Based on the U.S. - Canada Free Trade Agreement; as of January 1990, the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government.

<sup>2</sup> Includes countries with exports less than or equal to 50,000 short tons in 1996.

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	April - June 1997	January - March 1997	April - June 1996	Year to date		
				1997	1996	Percent Change
<b>North America Total</b> .....	<b>317,562</b>	<b>180,867</b>	<b>330,595</b>	<b>498,429</b>	<b>695,474</b>	<b>-28.3</b>
Canada.....	317,562	180,514	330,595	498,076	695,057	-28.3
Mexico.....	-	353	-	353	417	-15.3
<b>South America Total</b> .....	<b>1,164,401</b>	<b>639,561</b>	<b>918,007</b>	<b>1,803,962</b>	<b>1,940,973</b>	<b>-7.1</b>
Argentina.....	13	-	-	13	-	-
Colombia.....	874,727	492,487	551,481	1,367,214	1,180,383	15.8
Venezuela.....	289,661	147,074	366,526	436,735	760,590	-42.6
<b>Europe Total</b> .....	<b>8,094</b>	<b>7,827</b>	<b>188</b>	<b>15,921</b>	<b>188</b>	<b>(1)</b>
Belgium & Luxembourg.....	1,241	1,238	89	2,479	89	(1)
Germany, FR.....	1	-	-	1	-	-
Norway.....	6,852	6,589	-	13,441	-	-
Spain.....	-	-	99	-	99	-
<b>Asia Total</b> .....	<b>187,219</b>	<b>407,979</b>	<b>303,472</b>	<b>595,198</b>	<b>551,126</b>	<b>8.0</b>
China (Mainland).....	303	149	-	452	-	-
Indonesia.....	186,916	395,706	303,472	582,622	551,126	5.7
Vietnam.....	-	12,124	-	12,124	-	-
<b>Oceania &amp; Australia Total</b> .....	<b>30,307</b>	<b>95,156</b>	<b>-</b>	<b>125,463</b>	<b>77,842</b>	<b>61.2</b>
Australia.....	30,307	54,151	-	84,458	77,842	8.5
New Zealand.....	-	41,005	-	41,005	-	-
<b>Total</b> .....	<b>1,707,583</b>	<b>1,331,390</b>	<b>1,552,262</b>	<b>3,038,973</b>	<b>3,265,603</b>	<b>-6.9</b>

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

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

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

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

Continent and Country of Origin	April - June 1997	January - March 1997	April - June 1996	Year to date		
				1997	1996	Percent Change
<b>North America Total</b> .....	<b>\$39.87</b>	<b>\$26.90</b>	<b>\$34.57</b>	<b>\$35.31</b>	<b>\$33.30</b>	<b>6.0</b>
Canada.....	39.87	26.90	34.57	35.31	33.31	6.0
Mexico.....	—	—	—	—	22.68	—
<b>South America Total</b> .....	<b>32.79</b>	<b>31.90</b>	<b>29.68</b>	<b>32.47</b>	<b>30.98</b>	<b>4.8</b>
Colombia.....	32.64	31.98	30.75	32.40	30.96	4.7
Venezuela.....	33.23	31.64	28.06	32.69	31.01	5.4
<b>Asia Total</b> .....	<b>36.48</b>	<b>31.82</b>	<b>32.83</b>	<b>33.32</b>	<b>35.62</b>	<b>-6.5</b>
Indonesia.....	36.48	31.82	32.83	33.32	35.62	-6.5
<b>Oceania &amp; Australia Total</b> .....	<b>34.95</b>	<b>33.80</b>	<b>—</b>	<b>34.21</b>	<b>33.84</b>	<b>1.1</b>
Australia.....	34.95	33.80	—	34.21	33.84	1.1
<b>Total</b> <sup>1</sup> .....	<b>34.48</b>	<b>31.32</b>	<b>31.19</b>	<b>33.13</b>	<b>32.30</b>	<b>2.6</b>
<b>U.S. Total</b> <sup>2</sup> .....	<b>35.26</b>	<b>33.85</b>	<b>32.46</b>	<b>34.64</b>	<b>33.01</b>	<b>4.9</b>

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

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

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

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

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

Customs District	April - June 1997	January - March 1997	April - June 1996	Year to date		
				1997	1996	Percent Change
<b>Eastern Total</b> .....	<b>600,535</b>	<b>384,196</b>	<b>569,510</b>	<b>984,731</b>	<b>1,065,475</b>	<b>-7.6</b>
Boston, MA .....	397,303	226,879	498,539	624,182	922,435	-32.3
Baltimore, MD .....	-	-	99	-	99	-
Portland, ME .....	69,258	86,710	70,783	155,968	115,407	35.1
Buffalo, NY .....	1,241	1,238	24	2,479	55	(1)
New York City, NY .....	105,507	69,369	65	174,876	65	(1)
Ogdensburg, NY .....	-	-	-	-	50	-
Philadelphia, PA .....	27,226	-	-	27,226	27,364	-5
<b>Southern Total</b> .....	<b>633,349</b>	<b>528,894</b>	<b>531,661</b>	<b>1,162,243</b>	<b>1,136,289</b>	<b>2.3</b>
Mobile, AL .....	34,975	63,890	31,208	98,865	220,819	-55.2
Savannah, GA .....	43,120	25,800	63,836	68,920	63,836	8.0
Miami, FL .....	13	-	-	13	-	-
Tampa, FL .....	425,655	138,899	289,507	564,554	593,602	-4.9
New Orleans, LA .....	68,242	259,814	141,088	328,056	218,248	50.3
San Juan, PR .....	61,344	28,014	-	89,358	33,345	168.0
Houston-Galveston, TX .....	-	12,124	6,022	12,124	6,022	101.3
Laredo, TX .....	-	353	-	353	417	-15.3
<b>Western Total</b> .....	<b>171,839</b>	<b>265,213</b>	<b>132,647</b>	<b>437,052</b>	<b>380,983</b>	<b>14.7</b>
Los Angeles, CA .....	-	149	-	149	-	-
Honolulu, HI .....	148,982	231,048	120,496	380,030	368,832	3.0
Great Falls, MT .....	281	-	25	281	25	(1)
Portland, OR .....	6,852	6,589	-	13,441	-	-
Seattle, WA .....	15,724	27,427	12,126	43,151	12,126	255.9
<b>Northern Total</b> .....	<b>301,860</b>	<b>153,087</b>	<b>318,444</b>	<b>454,947</b>	<b>682,856</b>	<b>-33.4</b>
Chicago, IL .....	92,757	-	60,793	92,757	148,939	-37.7
Detroit, MI .....	125,882	5,471	92,133	131,353	120,196	9.3
Duluth, MN .....	-	416	57,374	416	144,892	-99.7
Pembina, ND .....	82,918	147,200	108,144	230,118	268,829	-14.4
Milwaukee, WI .....	303	-	-	303	-	-
<b>Total</b> .....	<b>1,707,583</b>	<b>1,331,390</b>	<b>1,552,262</b>	<b>3,038,973</b>	<b>3,265,603</b>	<b>-6.9</b>

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

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

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

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

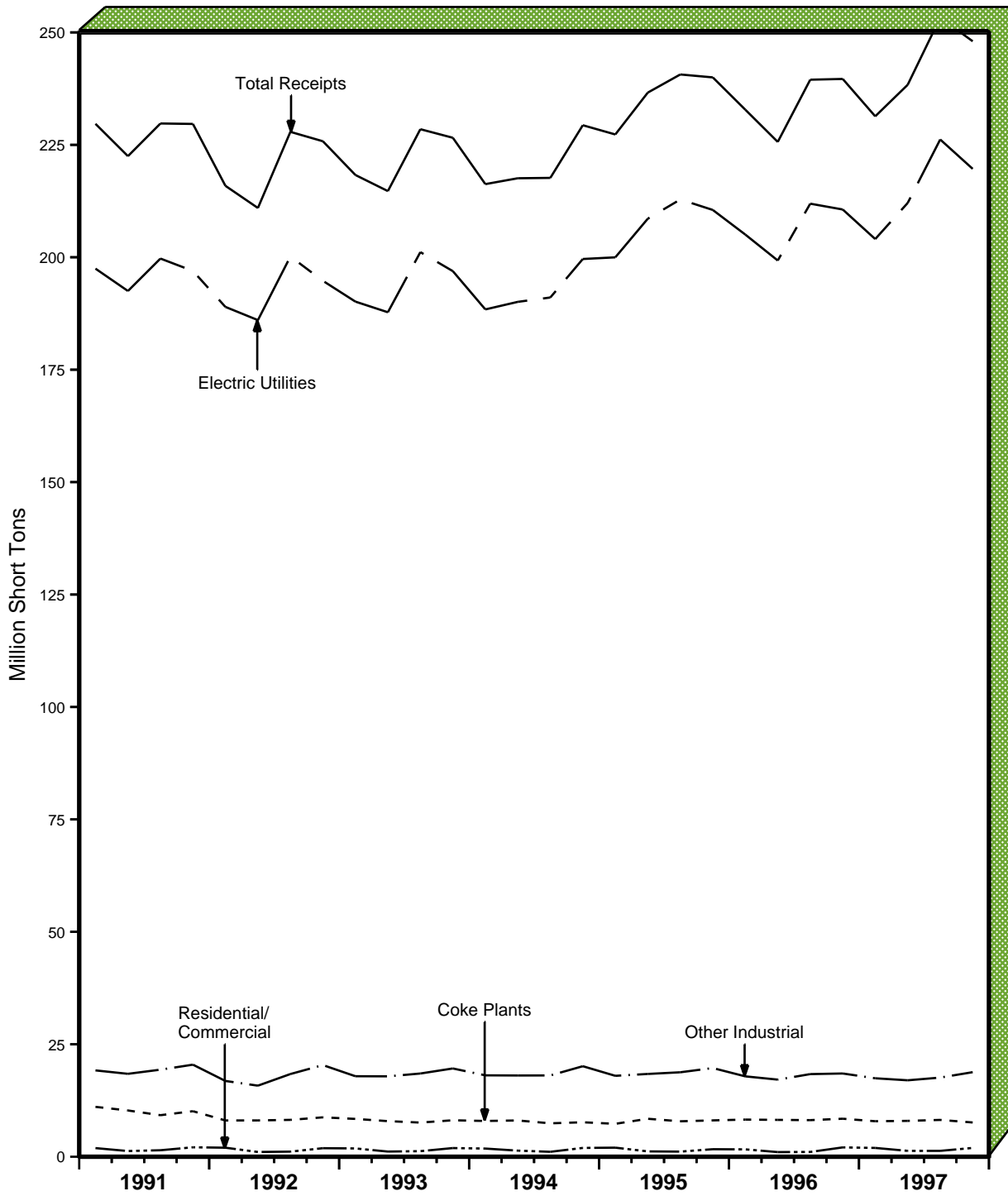
Continent and Country of Origin	April - June 1997	January - March 1997	April - June 1996	Year to date		
				1997	1996	Percent Change
<b>North America Total</b> .....	<b>9,306</b>	<b>5,680</b>	<b>23,663</b>	<b>14,986</b>	<b>41,321</b>	<b>-63.7</b>
Canada .....	9,306	5,680	23,663	14,986	41,321	-63.7
<b>Asia Total</b> .....	<b>401,746</b>	<b>264,919</b>	<b>216,439</b>	<b>666,665</b>	<b>616,688</b>	<b>8.1</b>
China (Mainland) .....	142,013	46,685	-	188,698	133,739	41.1
Japan .....	259,733	218,234	216,439	477,967	482,949	-1.0
<b>Total</b> .....	<b>411,052</b>	<b>270,599</b>	<b>240,102</b>	<b>681,651</b>	<b>658,009</b>	<b>3.6</b>

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

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

# Receipts

Figure 5. Quarterly U.S. Coal Receipts, 1991-1997



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, 1991-1997**  
(Thousand Short Tons)

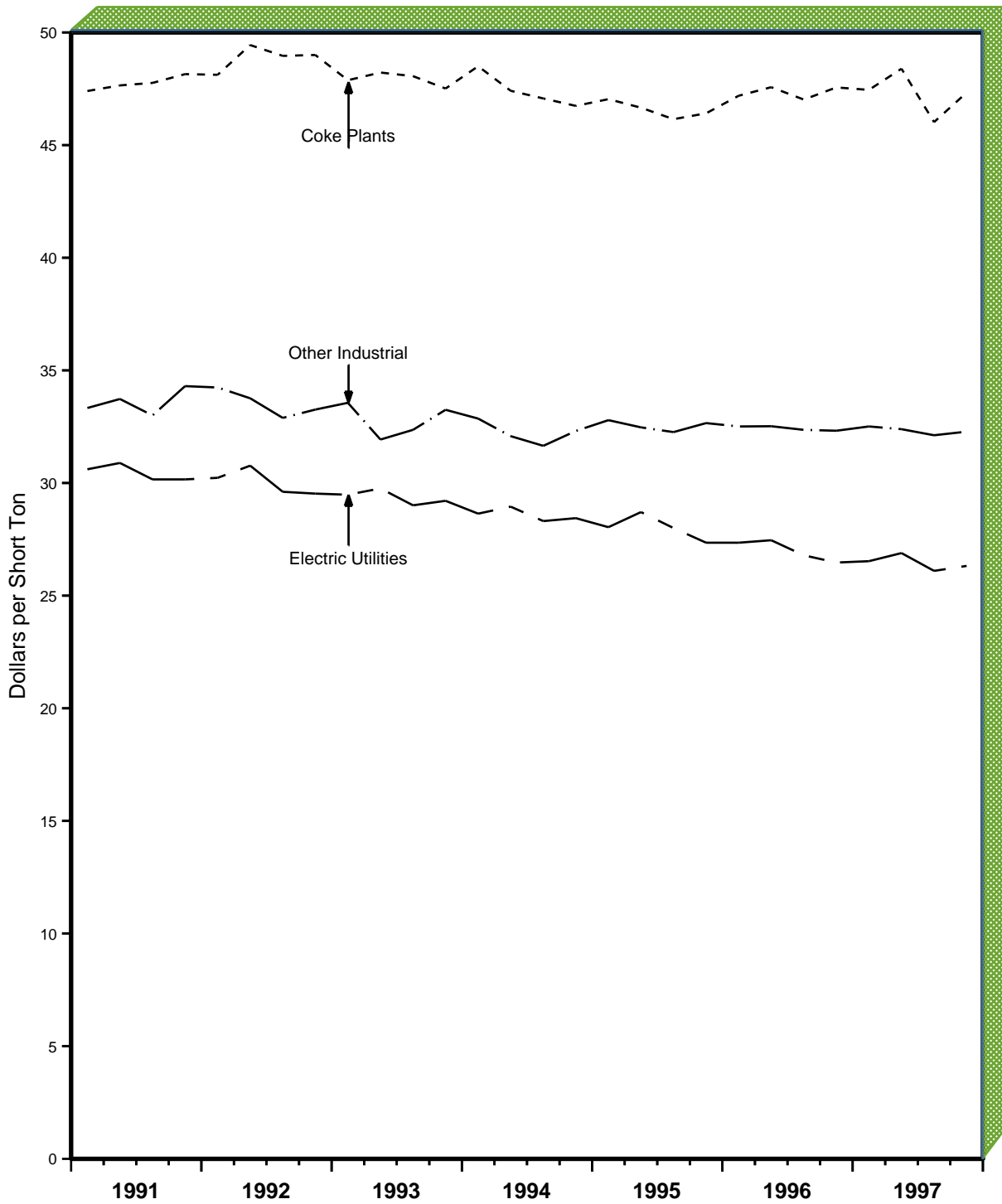
Year and Quarter	Electric Utilities	Coke Plants	Other Industrial	Residential and Commercial	Total
<b>1991 January - March</b> .....	188,963	8,066	16,847	2,008	215,885
April - June .....	186,026	8,073	15,800	1,055	210,953
July - September .....	200,172	8,195	18,385	1,132	227,884
October - December .....	194,762	8,757	20,377	1,899	225,795
<b>Total</b> .....	<b>769,923</b>	<b>33,090</b>	<b>71,410</b>	<b>6,094</b>	<b>880,517</b>
<b>1992 January - March</b> .....	190,139	8,410	17,902	1,843	218,294
April - June .....	187,772	7,915	17,873	1,149	214,708
July - September .....	201,143	7,592	18,503	1,236	228,473
October - December .....	196,909	8,110	19,625	1,925	226,569
<b>Total</b> .....	<b>775,963</b>	<b>32,027</b>	<b>73,903</b>	<b>6,153</b>	<b>888,046</b>
<b>1993 January - March</b> .....	188,401	7,951	18,095	1,817	216,264
April - June .....	190,085	8,067	18,062	1,354	217,568
July - September .....	191,054	7,426	18,075	1,094	217,649
October - December .....	199,612	7,661	20,127	1,956	229,356
<b>Total</b> .....	<b>769,152</b>	<b>31,104</b>	<b>74,359</b>	<b>6,221</b>	<b>880,836</b>
<b>1994 January - March</b> .....	199,981	7,318	17,990	2,016	227,305
April - June .....	208,576	8,438	18,408	1,187	236,610
July - September .....	212,849	7,881	18,777	1,135	240,642
October - December .....	210,523	8,081	19,717	1,674	239,996
<b>Total</b> .....	<b>831,929</b>	<b>31,719</b>	<b>74,893</b>	<b>6,013</b>	<b>944,553</b>
<b>1995 January - March</b> .....	205,054	8,261	17,871	1,638	232,824
April - June .....	199,275	8,192	17,144	1,032	225,643
July - September .....	211,914	8,135	18,369	1,063	239,481
October - December .....	210,617	8,449	18,510	2,074	239,649
<b>Total</b> .....	<b>826,860</b>	<b>33,036</b>	<b>71,895</b>	<b>5,807</b>	<b>937,597</b>
<b>1996 January - March</b> .....	204,394	7,894	17,444	1,802	231,534
April - June .....	212,197	7,974	16,995	1,201	238,368
July - September .....	226,454	8,187	17,598	1,201	253,440
October - December .....	219,656	7,616	18,804	1,802	247,878
<b>Total</b> .....	<b>862,701</b>	<b>31,672</b>	<b>70,842</b>	<b>6,006</b>	<b>971,220</b>
<b>1997 January - March</b> .....	213,666	7,330	17,246	1,802	240,044
April - June .....	215,227	7,232	17,207	1,201	240,867
<b>Total</b> .....	<b>428,893</b>	<b>14,561</b>	<b>34,453</b>	<b>3,003</b>	<b>480,911</b>

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

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



Figure 6. Quarterly Average Price of U.S. Coal Receipts, 1991-1997



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, 1991-1997**  
(Dollars per Short Ton)

Year and Quarter	Electric Utilities	Coke Plants	Other Industrial <sup>1</sup>
<b>1991 January - March</b> .....	\$30.23	\$48.12	\$34.24
April - June.....	30.77	49.44	33.76
July - September.....	29.61	48.96	32.89
October - December.....	29.53	49.00	33.26
<b>Average Annual Price</b> .....	<b>30.02</b>	<b>48.88</b>	<b>33.54</b>
<b>1992 January - March</b> .....	29.48	47.88	33.56
April - June.....	29.76	48.22	31.93
July - September.....	29.01	48.06	32.36
October - December.....	29.21	47.51	33.25
<b>Average Annual Price</b> .....	<b>29.36</b>	<b>47.92</b>	<b>32.78</b>
<b>1993 January - March</b> .....	28.64	48.50	32.86
April - June.....	28.95	47.41	32.08
July - September.....	28.31	47.07	31.65
October - December.....	28.44	46.74	32.31
<b>Average Annual Price</b> .....	<b>28.58</b>	<b>47.44</b>	<b>32.23</b>
<b>1994 January - March</b> .....	28.04	47.04	32.79
April - June.....	28.71	46.66	32.47
July - September.....	28.00	46.15	32.26
October - December.....	27.35	46.41	32.66
<b>Average Annual Price</b> .....	<b>28.03</b>	<b>46.56</b>	<b>32.55</b>
<b>1995 January - March</b> .....	27.35	47.19	32.51
April - June.....	27.46	47.57	32.52
July - September.....	26.79	47.02	32.36
October - December.....	26.47	47.56	32.32
<b>Average Annual Price</b> .....	<b>27.01</b>	<b>47.34</b>	<b>32.42</b>
<b>1996 January - March</b> .....	26.54	47.45	32.51
April - June.....	26.89	48.39	32.39
July - September.....	26.10	46.02	32.12
October - December.....	26.31	47.33	32.28
<b>Average Annual Price</b> .....	<b>26.45</b>	<b>47.33</b>	<b>32.32</b>
<b>1997 January - March</b> .....	26.52	48.10	32.65
April - June.....	26.52	48.18	32.34

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

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

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

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

Census Division and State	April - June 1997	January - March 1997	April - June 1996	Year to Date		
				1997	1996	Percent Change
<b>New England Total</b> .....	<b>1,969</b>	<b>1,758</b>	<b>1,960</b>	<b>3,727</b>	<b>3,609</b>	<b>3.3</b>
Connecticut.....	332	219	251	551	442	24.7
Maine.....	58	44	71	102	134	-24.0
Massachusetts.....	1,207	1,066	1,351	2,273	2,405	-5.5
New Hampshire.....	372	427	286	799	626	27.8
Rhode Island.....	1	1	1	2	2	.0
Vermont.....	*	1	*	1	1	.0
<b>Middle Atlantic Total</b> .....	<b>17,444</b>	<b>18,327</b>	<b>16,789</b>	<b>35,771</b>	<b>34,237</b>	<b>4.5</b>
New Jersey.....	557	573	577	1,130	1,089	3.7
New York.....	2,444	2,666	2,662	5,110	5,199	-1.7
Pennsylvania.....	14,443	15,089	13,551	29,531	27,949	5.7
<b>East North Central Total</b> .....	<b>58,960</b>	<b>53,630</b>	<b>57,137</b>	<b>112,590</b>	<b>107,718</b>	<b>4.5</b>
Illinois.....	11,909	12,283	10,842	24,192	20,546	17.7
Indiana.....	16,218	15,221	15,758	31,439	31,923	-1.5
Michigan.....	9,498	5,796	9,275	15,294	13,937	9.7
Ohio.....	14,368	14,832	15,459	29,200	29,877	-2.3
Wisconsin.....	6,967	5,497	5,804	12,465	11,435	9.0
<b>West North Central Total</b> .....	<b>30,655</b>	<b>34,008</b>	<b>33,004</b>	<b>64,664</b>	<b>66,762</b>	<b>-3.1</b>
Iowa.....	4,892	4,964	5,509	9,857	10,742	-8.2
Kansas.....	3,530	4,543	4,553	8,072	8,954	-9.8
Minnesota.....	3,757	5,281	4,784	9,037	9,498	-4.9
Missouri.....	8,342	8,298	8,746	16,640	16,662	-.1
Nebraska.....	2,611	2,868	2,137	5,479	5,054	8.4
North Dakota.....	6,907	7,520	6,818	14,427	14,855	-2.9
South Dakota.....	617	535	457	1,151	997	15.5
<b>South Atlantic Total</b> .....	<b>40,390</b>	<b>40,963</b>	<b>40,596</b>	<b>81,353</b>	<b>79,241</b>	<b>2.7</b>
Delaware.....	500	455	466	955	825	15.8
District of Columbia.....	5	7	5	12	12	.0
Florida.....	7,383	6,832	7,245	14,215	13,422	5.9
Georgia.....	7,579	7,094	8,306	14,672	15,377	-4.6
Maryland.....	2,595	2,712	3,115	5,307	6,221	-14.7
North Carolina.....	6,962	7,429	6,341	14,391	12,404	16.0
South Carolina.....	3,342	3,420	3,022	6,762	5,839	15.8
Virginia.....	3,563	4,154	3,622	7,717	7,392	4.4
West Virginia.....	8,462	8,860	8,474	17,322	17,749	-2.4
<b>East South Central Total</b> .....	<b>29,403</b>	<b>27,792</b>	<b>27,307</b>	<b>57,194</b>	<b>54,988</b>	<b>4.0</b>
Alabama.....	8,956	8,672	8,549	17,628	17,220	2.4
Kentucky.....	11,938	10,727	10,683	22,665	21,376	6.0
Mississippi.....	1,544	1,452	1,485	2,996	2,496	20.0
Tennessee.....	6,965	6,941	6,590	13,906	13,897	.1
<b>West South Central Total</b> .....	<b>34,514</b>	<b>34,769</b>	<b>36,482</b>	<b>69,283</b>	<b>72,539</b>	<b>-4.5</b>
Arkansas.....	2,900	3,133	3,864	6,033	7,453	-19.1
Louisiana.....	3,440	3,114	3,064	6,554	6,117	7.2
Oklahoma.....	4,839	4,864	5,418	9,702	10,261	-5.4
Texas.....	23,336	23,658	24,136	46,994	48,709	-3.5
<b>Mountain Total</b> .....	<b>25,840</b>	<b>26,955</b>	<b>23,348</b>	<b>52,794</b>	<b>47,407</b>	<b>11.4</b>
Arizona.....	4,312	3,707	4,110	8,019	7,478	7.2
Colorado.....	4,341	3,986	3,705	8,327	7,928	5.0
Idaho.....	68	130	40	199	117	70.2
Montana.....	1,677	2,290	1,098	3,967	2,781	42.7
Nevada.....	1,535	1,818	1,351	3,353	3,145	6.6
New Mexico.....	3,918	4,053	3,564	7,970	6,631	20.2
Utah.....	4,310	4,381	3,867	8,691	7,413	17.2
Wyoming.....	5,679	6,590	5,614	12,268	11,915	3.0
<b>Pacific Total</b> .....	<b>1,692</b>	<b>1,844</b>	<b>1,910</b>	<b>3,536</b>	<b>3,728</b>	<b>-5.2</b>
Alaska.....	95	143	95	238	238	.0
California.....	557	527	527	1,084	1,116	-2.8
Hawaii.....	30	54	36	84	90	-6.4
Oregon.....	2	150	6	152	19	NM
Washington.....	1,007	970	1,245	1,977	2,265	-12.7
<b>U.S. Total</b> .....	<b>240,867</b>	<b>240,046</b>	<b>238,532</b>	<b>480,912</b>	<b>470,229</b>	<b>2.3</b>

\* Rounded to zero.

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

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

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

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

Census Division and State	April-June 1997		April-June 1996		Year to Date					
	Quantity (thousand short tons)	Price (cents per MM Btu)	Quantity (thousand short tons)	Price (cents per MM Btu)	1997		1996		Percent Change	
					Quantity (thousand short tons)	Price (cents per MM Btu)	Quantity (thousand short tons)	Price (cents per MM Btu)	Quantity	Price
<b>New England</b> .....	<b>1,894</b>	<b>170</b>	<b>1,863</b>	<b>171</b>	<b>3,586</b>	<b>172</b>	<b>3,420</b>	<b>170</b>	<b>4.9</b>	<b>1.1</b>
Connecticut.....	331	192	250	190	548	192	439	191	24.9	.7
Massachusetts.....	1,193	167	1,328	169	2,243	171	2,359	170	-4.9	1.0
New Hampshire.....	370	160	284	159	795	161	622	158	28.0	1.7
<b>Mid Atlantic</b> .....	<b>13,026</b>	<b>137</b>	<b>12,303</b>	<b>142</b>	<b>26,644</b>	<b>139</b>	<b>24,901</b>	<b>142</b>	<b>7.0</b>	<b>-1.9</b>
New Jersey.....	553	177	569	176	1,121	176	1,073	176	4.4	-2
New York.....	1,691	143	1,937	141	3,643	141	3,742	142	-2.6	-5
Pennsylvania.....	10,782	133	9,798	140	21,880	137	20,085	140	8.9	-2.2
<b>East North Central</b> .....	<b>51,657</b>	<b>132</b>	<b>49,576</b>	<b>134</b>	<b>98,354</b>	<b>133</b>	<b>93,104</b>	<b>134</b>	<b>5.6</b>	<b>-7</b>
Illinois.....	10,352	156	9,290	168	21,043	164	17,421	168	20.8	-2.4
Indiana.....	13,446	116	12,889	122	25,934	117	26,272	122	-1.3	-3.9
Michigan.....	8,502	140	8,036	138	13,846	137	12,076	137	14.7	.1
Ohio.....	12,859	133	13,972	132	25,931	133	26,743	134	-3.0	-7
Wisconsin.....	6,498	111	5,388	108	11,600	109	10,592	106	9.5	3.2
<b>West North Central</b> .....	<b>27,366</b>	<b>93</b>	<b>29,668</b>	<b>94</b>	<b>58,019</b>	<b>92</b>	<b>59,797</b>	<b>93</b>	<b>-3.0</b>	<b>-3</b>
Iowa.....	4,092	94	4,600	96	8,378	92	9,138	95	-8.3	-2.7
Kansas.....	3,481	111	4,497	99	7,963	107	8,830	100	-9.8	7.4
Minnesota.....	3,402	113	4,377	107	8,275	112	8,553	108	-3.3	3.4
Missouri.....	8,005	94	8,437	96	15,910	94	16,006	95	-6	-1.2
Nebraska.....	2,545	61	2,084	75	5,349	60	4,939	73	8.3	-18.8
North Dakota.....	5,327	75	5,313	74	11,199	76	11,505	74	-2.7	3.5
South Dakota.....	513	93	361	92	945	93	827	92	14.3	.7
<b>South Atlantic</b> .....	<b>36,693</b>	<b>148</b>	<b>36,686</b>	<b>149</b>	<b>73,506</b>	<b>148</b>	<b>70,941</b>	<b>150</b>	<b>3.6</b>	<b>-1.0</b>
Delaware.....	458	157	436	160	868	161	743	158	16.9	1.5
Florida.....	7,041	173	6,962	174	13,537	175	12,809	176	5.7	-6
Georgia.....	7,104	159	7,825	157	13,657	159	14,362	156	-4.9	1.7
Maryland.....	2,390	151	2,904	149	4,896	152	5,797	150	-15.5	1.3
North Carolina.....	6,400	142	5,729	146	13,119	143	11,077	150	18.4	-4.4
South Carolina.....	2,858	144	2,584	146	5,734	145	4,826	147	18.8	-1.1
Virginia.....	2,598	139	2,672	141	5,700	139	5,418	142	5.2	-2.4
West Virginia.....	7,845	124	7,575	126	15,994	124	15,910	126	.5	-1.8
<b>East South Central</b> .....	<b>26,074</b>	<b>123</b>	<b>23,962</b>	<b>126</b>	<b>50,446</b>	<b>124</b>	<b>48,037</b>	<b>125</b>	<b>5.0</b>	<b>-8</b>
Alabama.....	7,524	154	7,078	157	14,736	155	14,235	156	3.5	-7
Kentucky.....	11,015	104	9,770	106	20,812	105	19,457	106	7.0	-1.2
Mississippi.....	1,491	156	1,427	149	2,893	154	2,375	149	21.8	3.6
Tennessee.....	6,043	113	5,687	115	12,005	114	11,969	115	.3	-1.1
<b>West South Central</b> .....	<b>33,153</b>	<b>130</b>	<b>34,902</b>	<b>132</b>	<b>66,472</b>	<b>128</b>	<b>69,514</b>	<b>131</b>	<b>-4.4</b>	<b>-2.1</b>
Arkansas.....	2,824	171	3,777	154	5,865	169	7,277	154	-19.4	9.5
Louisiana.....	3,428	149	3,040	153	6,506	150	6,068	152	7.2	-1.4
Oklahoma.....	4,674	93	5,221	97	9,366	93	9,870	99	-5.1	-6.0
Texas.....	22,227	130	22,864	133	44,735	127	46,299	132	-3.4	-3.3
<b>Mountain</b> .....	<b>24,406</b>	<b>114</b>	<b>22,043</b>	<b>114</b>	<b>49,856</b>	<b>113</b>	<b>44,709</b>	<b>115</b>	<b>11.5</b>	<b>-1.5</b>
Arizona.....	4,160	146	3,956	136	7,680	147	7,155	145	7.3	1.5
Colorado.....	4,248	105	3,622	107	8,140	104	7,759	107	4.9	-2.5
Montana.....	1,655	69	1,076	70	3,894	69	2,719	74	43.2	-6.8
Nevada.....	1,497	152	1,302	153	3,268	142	3,050	146	7.1	-2.3
New Mexico.....	3,896	133	3,539	146	7,927	135	6,581	148	20.5	-8.9
Utah.....	3,826	109	3,458	103	7,837	112	6,618	106	18.4	5.6
Wyoming.....	5,124	80	5,089	80	11,111	81	10,826	82	2.6	-1.1
<b>Pacific</b> .....	<b>958</b>	<b>191</b>	<b>1,196</b>	<b>146</b>	<b>2,009</b>	<b>187</b>	<b>2,167</b>	<b>165</b>	<b>-7.3</b>	<b>13.7</b>
Oregon.....	-	-	-	-	135	114	-	-	-	-
Washington.....	958	191	1,196	146	1,874	193	2,167	165	-13.5	17.2
<b>U.S. Total</b> .....	<b>215,227</b>	<b>129</b>	<b>212,197</b>	<b>130</b>	<b>428,893</b>	<b>129</b>	<b>416,591</b>	<b>130</b>	<b>3.0</b>	<b>-9</b>

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

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

Census Division and State	April-June 1997		April-June 1996		Year to Date					
	Quantity (thousand short tons)	Price (cents per MM Btu)	Quantity (thousand short tons)	Price (cents per MM Btu)	1997		1996		Percent Change	
					Quantity (thousand short tons)	Price (cents per MM Btu)	Quantity (thousand short tons)	Price (cents per MM Btu)	Quantity	Price
<b>New England</b> .....	<b>1,643</b>	<b>171</b>	<b>1,721</b>	<b>170</b>	<b>3,005</b>	<b>173</b>	<b>3,005</b>	<b>170</b>	*	<b>1.7</b>
Connecticut.....	312	193	250	190	515	193	439	191	17.3	1.1
Massachusetts.....	1,112	167	1,224	168	2,019	170	2,029	168	-5	1.1
New Hampshire.....	219	160	246	160	471	160	537	158	-12.2	1.6
<b>Mid Atlantic</b> .....	<b>9,958</b>	<b>140</b>	<b>9,043</b>	<b>148</b>	<b>20,638</b>	<b>142</b>	<b>18,584</b>	<b>147</b>	<b>11.1</b>	<b>-3.1</b>
New Jersey.....	506	178	539	176	1,067	177	1,022	177	4.4	-4
New York.....	1,397	138	1,786	140	3,185	138	3,448	141	-7.6	-2.0
Pennsylvania.....	8,054	138	6,717	147	16,385	141	14,113	146	16.1	-3.7
<b>East North Central</b> .....	<b>38,860</b>	<b>139</b>	<b>37,406</b>	<b>143</b>	<b>73,283</b>	<b>141</b>	<b>70,713</b>	<b>142</b>	<b>3.6</b>	<b>-9</b>
Illinois.....	8,623	163	7,885	176	17,641	172	14,934	175	18.1	-1.5
Indiana.....	8,552	127	8,974	131	16,581	127	18,849	130	-12.0	-2.1
Michigan.....	7,451	141	6,438	143	11,458	138	9,628	142	19.0	-2.9
Ohio.....	8,868	145	10,065	143	18,070	143	19,206	145	-5.9	-8
Wisconsin.....	5,366	106	4,045	105	9,534	104	8,096	103	17.8	1.7
<b>West North Central</b> .....	<b>24,726</b>	<b>93</b>	<b>27,080</b>	<b>94</b>	<b>52,220</b>	<b>93</b>	<b>52,799</b>	<b>94</b>	<b>-1.1</b>	<b>-5</b>
Iowa.....	3,346	95	3,781	98	6,834	93	7,468	96	-8.5	-3.5
Kansas.....	3,475	111	4,491	99	7,899	108	7,550	104	4.6	2.9
Minnesota.....	3,204	112	3,936	107	8,007	112	7,810	108	2.5	3.5
Missouri.....	6,954	95	7,692	96	13,523	94	14,006	95	-3.4	-9
Nebraska.....	1,919	57	1,507	77	4,022	57	3,632	76	10.7	-24.1
North Dakota.....	5,315	75	5,313	74	10,991	76	11,505	74	-4.5	3.4
South Dakota.....	513	93	361	92	945	93	827	92	14.3	.7
<b>South Atlantic</b> .....	<b>26,972</b>	<b>148</b>	<b>23,187</b>	<b>154</b>	<b>53,875</b>	<b>149</b>	<b>46,168</b>	<b>155</b>	<b>16.7</b>	<b>-4.3</b>
Delaware.....	379	160	358	163	679	163	565	161	20.2	.7
Florida.....	4,501	181	4,125	189	8,737	182	8,478	189	3.1	-3.7
Georgia.....	3,717	167	3,173	168	7,598	166	5,974	166	27.2	-1
Maryland.....	1,991	148	1,663	146	3,747	149	3,475	148	7.8	.4
North Carolina.....	4,834	146	4,106	149	9,661	146	8,121	154	19.0	-4.8
South Carolina.....	2,092	144	1,786	149	4,297	146	3,396	150	26.5	-2.9
Virginia.....	2,012	139	1,967	140	4,336	139	4,154	142	4.4	-2.0
West Virginia.....	7,447	125	6,009	133	14,820	125	12,005	136	23.4	-7.8
<b>East South Central</b> .....	<b>19,557</b>	<b>127</b>	<b>19,095</b>	<b>130</b>	<b>38,308</b>	<b>128</b>	<b>36,754</b>	<b>130</b>	<b>4.2</b>	<b>-2.0</b>
Alabama.....	6,247	160	6,201	162	12,147	161	12,031	162	1.0	-7
Kentucky.....	7,469	104	7,278	107	14,768	105	14,083	108	4.9	-2.9
Mississippi.....	1,302	158	1,303	151	2,553	156	1,997	152	27.8	2.8
Tennessee.....	4,540	112	4,313	117	8,839	112	8,643	117	2.3	-4.0
<b>West South Central</b> .....	<b>31,551</b>	<b>131</b>	<b>33,236</b>	<b>132</b>	<b>62,963</b>	<b>129</b>	<b>66,249</b>	<b>131</b>	<b>-5.0</b>	<b>-1.8</b>
Arkansas.....	2,662	174	3,630	156	5,467	172	6,962	156	-21.5	10.7
Louisiana.....	3,428	149	3,040	153	6,506	150	6,068	152	7.2	-1.4
Oklahoma.....	4,662	93	5,221	97	9,354	93	9,640	99	-3.0	-6.4
Texas.....	20,799	130	21,345	134	41,635	128	43,579	132	-4.5	-2.9
<b>Mountain</b> .....	<b>22,953</b>	<b>114</b>	<b>21,358</b>	<b>114</b>	<b>46,712</b>	<b>114</b>	<b>43,112</b>	<b>116</b>	<b>8.4</b>	<b>-1.7</b>
Arizona.....	3,546	150	3,670	138	6,490	152	6,534	147	-7	2.8
Colorado.....	3,955	106	3,404	108	7,380	106	7,396	108	-2	-2.2
Montana.....	1,655	69	1,076	70	3,894	69	2,719	74	43.2	-6.8
Nevada.....	1,410	154	1,302	153	3,089	143	3,050	146	1.3	-1.6
New Mexico.....	3,896	133	3,539	146	7,927	135	6,581	148	20.5	-8.9
Utah.....	3,473	111	3,281	106	7,283	114	6,298	109	15.7	4.7
Wyoming.....	5,018	79	5,086	80	10,650	81	10,533	82	1.1	-1.3
<b>Pacific</b> .....	<b>958</b>	<b>191</b>	<b>1,184</b>	<b>146</b>	<b>1,870</b>	<b>193</b>	<b>2,152</b>	<b>165</b>	<b>-13.1</b>	<b>17.3</b>
Washington.....	958	191	1,184	146	1,870	193	2,152	165	-13.1	17.3
<b>U.S. Total</b> .....	<b>177,178</b>	<b>130</b>	<b>173,309</b>	<b>132</b>	<b>352,875</b>	<b>130</b>	<b>339,536</b>	<b>133</b>	<b>3.9</b>	<b>-1.5</b>

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

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

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

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

Census Division and State	April-June 1997		April-June 1996		Year to Date					
	Quantity (thousand short tons)	Price (cents per MM Btu)	Quantity (thousand short tons)	Price (cents per MM Btu)	1997		1996		Percent Change	
					Quantity (thousand short tons)	Price (cents per MM Btu)	Quantity (thousand short tons)	Price (cents per MM Btu)	Quantity	Price
<b>New England</b> .....	<b>251</b>	<b>166</b>	<b>142</b>	<b>177</b>	<b>581</b>	<b>170</b>	<b>414</b>	<b>175</b>	<b>40.2</b>	<b>-2.8</b>
Connecticut.....	19	179	-	-	33	182	-	-	-	-
Massachusetts.....	81	170	104	185	224	183	330	180	-32.0	1.6
New Hampshire.....	151	161	38	157	324	161	85	158	282.5	1.6
<b>Mid Atlantic</b> .....	<b>3,069</b>	<b>124</b>	<b>3,261</b>	<b>126</b>	<b>6,006</b>	<b>127</b>	<b>6,317</b>	<b>126</b>	<b>-4.9</b>	<b>1.2</b>
New Jersey.....	47	166	30	170	54	166	51	159	5.2	4.2
New York.....	294	164	150	153	458	164	294	156	55.7	5.2
Pennsylvania.....	2,728	119	3,081	124	5,494	123	5,972	124	-8.0	-3
<b>East North Central</b> .....	<b>12,797</b>	<b>111</b>	<b>12,170</b>	<b>109</b>	<b>25,070</b>	<b>111</b>	<b>22,391</b>	<b>109</b>	<b>12.0</b>	<b>2.1</b>
Illinois.....	1,729	124	1,405	129	3,402	125	2,487	129	36.8	-3.5
Indiana.....	4,894	100	3,915	102	9,353	100	7,424	102	26.0	-2.2
Michigan.....	1,052	135	1,598	117	2,389	135	2,448	117	-2.4	15.8
Ohio.....	3,991	106	3,907	103	7,861	107	7,536	105	4.3	1.9
Wisconsin.....	1,132	132	1,343	115	2,066	127	2,496	115	-17.2	11.0
<b>West North Central</b> .....	<b>2,639</b>	<b>89</b>	<b>2,588</b>	<b>90</b>	<b>5,799</b>	<b>86</b>	<b>6,998</b>	<b>86</b>	<b>-17.1</b>	<b>.3</b>
Iowa.....	746	93	818	90	1,544	90	1,670	89	-7.5	1.6
Kansas.....	6	119	6	102	64	73	1,280	72	-95.0	.1
Minnesota.....	198	114	441	112	268	117	743	111	-63.9	5.1
Missouri.....	1,051	91	745	94	2,387	92	1,999	94	19.4	-2.6
Nebraska.....	626	71	577	67	1,328	66	1,306	67	1.6	-1.3
North Dakota.....	12	82	-	-	208	80	-	-	-	-
<b>South Atlantic</b> .....	<b>9,720</b>	<b>145</b>	<b>13,499</b>	<b>141</b>	<b>19,631</b>	<b>147</b>	<b>24,773</b>	<b>139</b>	<b>-20.8</b>	<b>5.8</b>
Delaware.....	79	147	78	149	189	153	178	148	6.4	3.7
Florida.....	2,540	157	2,837	151	4,800	162	4,331	150	10.8	7.8
Georgia.....	3,387	149	4,651	148	6,059	148	8,388	148	-27.8	.2
Maryland.....	399	165	1,241	153	1,149	164	2,322	154	-50.5	6.9
North Carolina.....	1,567	129	1,623	137	3,458	135	2,955	140	17.0	-3.3
South Carolina.....	765	142	798	138	1,437	143	1,430	139	.5	3.5
Virginia.....	586	139	704	143	1,364	140	1,263	145	8.0	-3.4
West Virginia.....	398	107	1,566	101	1,174	107	3,905	96	-69.9	11.6
<b>East South Central</b> .....	<b>6,517</b>	<b>112</b>	<b>4,867</b>	<b>109</b>	<b>12,138</b>	<b>114</b>	<b>11,283</b>	<b>109</b>	<b>7.6</b>	<b>4.2</b>
Alabama.....	1,278	125	876	121	2,589	125	2,204	121	17.5	3.4
Kentucky.....	3,546	103	2,492	102	6,044	105	5,375	102	12.5	3.3
Mississippi.....	190	144	125	134	340	142	378	134	-10.2	5.4
Tennessee.....	1,503	117	1,374	110	3,165	118	3,327	110	-4.8	7.1
<b>West South Central</b> .....	<b>1,602</b>	<b>125</b>	<b>1,666</b>	<b>129</b>	<b>3,509</b>	<b>122</b>	<b>3,266</b>	<b>129</b>	<b>7.5</b>	<b>-5.3</b>
Arkansas.....	162	128	147	121	398	118	315	117	26.3	.6
Oklahoma.....	12	84	-	-	12	84	230	79	-94.9	5.9
Texas.....	1,428	125	1,519	130	3,099	123	2,720	134	13.9	-8.6
<b>Mountain</b> .....	<b>1,453</b>	<b>105</b>	<b>685</b>	<b>89</b>	<b>3,145</b>	<b>101</b>	<b>1,597</b>	<b>86</b>	<b>96.9</b>	<b>17.1</b>
Arizona.....	614	120	287	114	1,190	121	621	116	91.6	3.7
Colorado.....	294	90	218	87	760	86	363	76	109.5	13.2
Nevada.....	86	126	-	-	180	126	-	-	-	-
Utah.....	353	86	177	56	553	90	320	57	72.9	58.3
Wyoming.....	106	106	3	81	461	77	293	71	57.3	8.6
<b>Pacific</b> .....	<b>-</b>	<b>-</b>	<b>12</b>	<b>174</b>	<b>139</b>	<b>116</b>	<b>15</b>	<b>175</b>	<b>NM</b>	<b>-33.5</b>
Oregon.....	-	-	-	-	135	114	-	-	-	-
Washington.....	-	-	12	174	4	176	15	175	-71.7	.7
<b>U.S. Total</b> .....	<b>38,049</b>	<b>121</b>	<b>38,888</b>	<b>122</b>	<b>76,018</b>	<b>122</b>	<b>77,055</b>	<b>120</b>	<b>-1.3</b>	<b>1.8</b>

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

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

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

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

Census Division and State	April-June 1997	January-March 1997	April-June 1996	Year to Date		
				1997	1996	Percent Change
<b>New England</b> .....	<b>\$43.56</b>	<b>\$44.52</b>	<b>\$43.66</b>	<b>\$44.01</b>	<b>\$43.57</b>	<b>1.0</b>
Connecticut .....	50.58	50.31	50.06	50.47	49.97	1.0
Massachusetts.....	42.06	44.26	42.75	43.09	42.88	.5
New Hampshire .....	42.12	42.20	42.25	42.17	41.70	1.1
<b>Mid Atlantic</b> .....	<b>33.86</b>	<b>35.36</b>	<b>35.29</b>	<b>34.63</b>	<b>35.36</b>	<b>-2.1</b>
New Jersey .....	46.39	45.98	45.72	46.18	46.25	-2
New York.....	37.56	36.43	36.78	36.96	36.93	.1
Pennsylvania .....	32.64	34.63	34.39	33.65	34.49	-2.4
<b>East North Central</b> .....	<b>27.74</b>	<b>28.61</b>	<b>28.73</b>	<b>28.16</b>	<b>28.62</b>	<b>-1.6</b>
Illinois .....	30.58	33.87	33.40	32.25	33.25	-3.0
Indiana.....	24.29	24.51	25.47	24.40	25.30	-3.6
Michigan .....	29.17	29.28	28.99	29.21	29.19	.1
Ohio.....	31.51	31.62	31.87	31.57	32.29	-2.2
Wisconsin.....	21.06	19.19	19.95	20.24	19.35	4.6
<b>West North Central</b> .....	<b>15.56</b>	<b>15.49</b>	<b>15.89</b>	<b>15.52</b>	<b>15.62</b>	<b>-6</b>
Iowa.....	16.34	15.55	16.68	15.94	16.39	-2.7
Kansas .....	19.60	18.31	17.41	18.87	17.54	7.6
Minnesota.....	20.06	19.87	19.16	19.95	19.36	3.0
Missouri.....	16.90	16.93	17.41	16.92	17.23	-1.8
Nebraska.....	10.41	10.11	12.86	10.25	12.67	-19.1
North Dakota.....	9.85	10.25	9.90	10.06	9.71	3.6
South Dakota.....	15.94	16.29	17.22	16.10	16.62	-3.1
<b>South Atlantic</b> .....	<b>36.41</b>	<b>36.58</b>	<b>36.71</b>	<b>36.49</b>	<b>36.82</b>	<b>-9</b>
Delaware .....	41.25	42.63	41.73	41.90	41.30	1.5
Florida .....	41.84	43.18	42.30	42.48	43.20	-1.6
Georgia.....	37.85	36.70	36.37	37.30	35.92	3.8
Maryland .....	38.84	39.81	38.60	39.34	38.79	1.4
North Carolina .....	35.00	35.89	36.38	35.45	37.38	-5.2
South Carolina .....	36.98	37.68	37.36	37.33	37.55	-6
Virginia .....	34.77	35.05	35.60	34.92	35.93	-2.8
West Virginia.....	30.69	30.69	31.33	30.69	31.27	-1.9
<b>East South Central</b> .....	<b>28.63</b>	<b>29.09</b>	<b>29.54</b>	<b>28.85</b>	<b>29.37</b>	<b>-1.8</b>
Alabama .....	36.01	36.41	37.14	36.20	36.80	-1.6
Kentucky .....	23.92	24.33	24.47	24.11	24.47	-1.5
Mississippi.....	32.66	31.72	32.69	32.20	32.93	-2.2
Tennessee .....	27.04	27.44	28.00	27.24	27.80	-2.0
<b>West South Central</b> .....	<b>20.28</b>	<b>19.67</b>	<b>20.64</b>	<b>19.98</b>	<b>20.43</b>	<b>-2.2</b>
Arkansas.....	29.69	28.88	26.88	29.27	26.75	9.4
Louisiana .....	24.14	24.48	24.77	24.30	24.85	-2.2
Oklahoma .....	16.13	16.01	16.78	16.07	17.02	-5.6
Texas .....	19.37	18.53	19.95	18.95	19.59	-3.2
<b>Mountain</b> .....	<b>22.21</b>	<b>21.85</b>	<b>22.29</b>	<b>22.02</b>	<b>22.42</b>	<b>-1.8</b>
Arizona.....	29.64	30.04	28.09	29.82	29.66	.6
Colorado .....	20.59	20.79	20.92	20.69	21.00	-1.5
Montana.....	11.62	11.32	11.90	11.45	12.44	-8.0
Nevada.....	34.04	29.55	33.69	31.60	32.17	-1.8
New Mexico.....	24.16	24.89	26.59	24.54	27.07	-9.4
Utah.....	25.08	26.16	24.00	25.63	24.61	4.2
Wyoming.....	13.84	14.45	13.90	14.17	14.24	-5
<b>Pacific</b> .....	<b>30.53</b>	<b>30.26</b>	<b>23.22</b>	<b>30.39</b>	<b>25.93</b>	<b>17.2</b>
Oregon.....	-	20.00	-	20.00	-	-
Washington .....	30.53	31.77	23.22	31.14	25.93	20.1
<b>U.S. Total</b> .....	<b>26.52</b>	<b>26.52</b>	<b>26.89</b>	<b>26.52</b>	<b>26.72</b>	<b>-7</b>

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

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

**Table 27. Coal Receipts and Prices by Sulfur Content at Electric Utility Plants, by State of Origin and Imports, January-June 1997**

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 .....	4,276	199	3,641	158	600	145	8,517	178	0.92	1.0	*	0.8
Arizona .....	4,952	129	-	-	-	-	4,952	129	.48	-1.6	5.6	-1
Colorado .....	11,218	126	272	86	-	-	11,490	125	.41	15.9	-1.1	-1.1
Illinois .....	22	136	7,027	149	10,766	128	17,815	137	2.04	-17.5	-9	.2
Indiana .....	986	138	4,205	119	8,844	99	14,035	107	2.13	27.7	-1.3	-2.2
Kansas .....	-	-	-	-	122	120	122	120	3.08	39.1	-9.3	44.1
Kentucky .....	7,787	156	34,926	144	16,745	107	59,458	136	1.38	3.5	-1.0	2.2
Louisiana .....	-	-	1,094	135	723	132	1,817	134	1.54	18.3	-4.5	8.2
Maryland .....	7	155	1,744	124	1	108	1,752	124	1.33	22.9	-11.1	10.1
Missouri .....	-	-	-	-	201	106	201	106	3.47	-25.5	-2.9	1.8
Montana .....	7,709	163	8,456	91	-	-	16,165	127	.60	16.6	-2	6.4
New Mexico .....	3,369	166	9,683	138	-	-	13,052	146	.75	19.5	-7.1	.5
North Dakota .....	-	-	10,433	76	659	83	11,091	76	1.16	-3.6	3.7	6.9
Ohio .....	-	-	164	116	12,495	129	12,659	129	2.94	2.3	-2.0	-2.1
Oklahoma .....	-	-	-	-	50	106	50	106	2.66	-35.2	-3.2	15.2
Pennsylvania .....	938	154	17,469	135	6,715	118	25,122	131	1.46	6.8	-1.3	3.2
Tennessee .....	5	138	1,266	127	-	-	1,270	127	.91	-15.7	2.8	-3.9
Texas .....	-	-	15,871	99	7,895	101	23,766	100	1.56	-5.0	-1.0	-1.3
Utah .....	9,241	117	397	121	-	-	9,639	117	.42	9.3	4.2	5.2
Virginia .....	2,405	168	4,838	138	133	122	7,376	148	.82	.1	-2	3.3
Washington .....	-	-	1,747	198	-	-	1,747	198	.77	-18.8	20.3	-14.4
West Virginia .....	17,478	154	23,446	139	11,656	126	52,580	141	1.20	4.2	*	-1
Wyoming .....	123,990	118	8,363	114	-	-	132,354	118	.40	1.7	-1.2	-1.1
Imported .....	1,550	161	312	147	-	-	1,863	159	.58	-13.3	-4.5	1.7
<b>Total .....</b>	<b>195,935</b>	<b>131</b>	<b>155,354</b>	<b>132</b>	<b>77,604</b>	<b>117</b>	<b>428,893</b>	<b>129</b>	<b>1.08</b>	<b>3.0</b>	<b>-9</b>	<b>*</b>

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

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

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



**Table 28. Destination of Coal Received at Electric Utility Plants by Origin, January-June 1997, 1996**

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)	
	1997	1996	1997	1996	1997	1996	1997	1996
<b>Alabama</b> .....	<b>14,736</b>	<b>14,235</b>	<b>82.4</b>	<b>84.5</b>	<b>1.00</b>	<b>1.00</b>	<b>155</b>	<b>156</b>
Alabama.....	8,228	8,193	92.4	95.9	.89	.89	179	179
Illinois.....	854	775	—	—	1.20	1.55	130	124
Kentucky.....	1,344	1,936	66.5	68.3	1.95	1.55	112	119
Pennsylvania.....	46	212	100.0	100.0	1.80	1.74	112	111
Tennessee.....	284	354	100.0	100.0	.71	.70	134	132
Virginia.....	—	1	—	100.0	—	.51	—	131
West Virginia.....	1,797	1,117	63.4	60.6	1.36	1.13	129	130
Wyoming.....	2,182	1,647	100.0	97.7	.29	.35	112	112
<b>Arizona</b> .....	<b>7,680</b>	<b>7,155</b>	<b>84.5</b>	<b>91.3</b>	<b>.53</b>	<b>.55</b>	<b>147</b>	<b>145</b>
Arizona.....	2,819	3,156	100.0	100.0	.49	.49	125	116
Colorado.....	—	40	—	—	—	.37	—	116
New Mexico.....	4,860	3,959	75.5	85.3	.55	.61	161	171
<b>Arkansas</b> .....	<b>5,865</b>	<b>7,277</b>	<b>93.2</b>	<b>95.7</b>	<b>.38</b>	<b>.37</b>	<b>169</b>	<b>154</b>
Wyoming.....	5,865	7,277	93.2	95.7	.38	.37	169	154
<b>Colorado</b> .....	<b>8,140</b>	<b>7,759</b>	<b>90.7</b>	<b>95.3</b>	<b>.38</b>	<b>.40</b>	<b>104</b>	<b>107</b>
Colorado.....	5,299	4,903	90.1	95.1	.41	.42	111	115
Wyoming.....	2,841	2,856	91.6	95.7	.32	.37	89	90
<b>Connecticut</b> .....	<b>548</b>	<b>439</b>	<b>94.0</b>	<b>100.0</b>	<b>.43</b>	<b>.42</b>	<b>192</b>	<b>191</b>
Kentucky.....	405	439	98.8	100.0	.41	.42	193	191
Virginia.....	4	—	100.0	—	.52	—	184	—
West Virginia.....	139	—	79.9	—	.48	—	190	—
<b>Delaware</b> .....	<b>868</b>	<b>743</b>	<b>78.2</b>	<b>76.1</b>	<b>.70</b>	<b>.78</b>	<b>161</b>	<b>158</b>
Maryland.....	39	78	100.0	90.9	1.09	1.12	149	148
Pennsylvania.....	217	212	59.4	37.5	1.02	1.10	142	145
Virginia.....	76	—	88.3	—	.67	—	158	—
West Virginia.....	537	453	82.8	91.6	.55	.57	170	166
<b>Florida</b> .....	<b>13,537</b>	<b>12,809</b>	<b>64.5</b>	<b>66.2</b>	<b>1.33</b>	<b>1.23</b>	<b>175</b>	<b>176</b>
Alabama.....	193	—	—	—	1.94	—	176	—
Colorado.....	14	139	—	100.0	.54	.37	183	191
Illinois.....	3,035	3,028	77.7	64.6	1.87	1.75	184	183
Indiana.....	5	—	—	—	.62	—	164	—
Kentucky.....	7,113	6,985	62.2	62.5	1.30	1.17	175	173
Virginia.....	454	434	96.0	100.0	.67	.56	210	215
West Virginia.....	1,351	918	49.2	57.8	1.17	1.36	168	164
Wyoming.....	520	253	—	—	.51	.25	143	142
Imported coal Colombia.....	565	536	100.0	100.0	.60	.54	152	153
Imported coal Indonesia.....	287	218	100.0	100.0	.38	.33	162	150
Imported coal Venezuela.....	—	298	—	100.0	—	.79	—	232
<b>Georgia</b> .....	<b>13,657</b>	<b>14,362</b>	<b>55.6</b>	<b>41.6</b>	<b>.70</b>	<b>.70</b>	<b>159</b>	<b>156</b>
Alabama.....	50	236	—	—	1.51	1.52	135	133
Illinois.....	450	569	89.6	—	.87	.98	147	147
Kentucky.....	7,294	6,589	65.6	66.5	.77	.78	155	150
Virginia.....	963	1,199	75.7	40.6	.73	.66	161	157
West Virginia.....	2,162	1,952	77.8	56.7	.57	.57	184	187
Wyoming.....	2,640	3,686	—	—	.45	.47	150	151
Imported coal Venezuela.....	99	131	—	—	1.34	.81	138	153
<b>Illinois</b> .....	<b>21,043</b>	<b>17,421</b>	<b>83.8</b>	<b>85.7</b>	<b>1.21</b>	<b>1.20</b>	<b>164</b>	<b>168</b>
Colorado.....	611	366	55.0	91.5	.47	.45	136	133
Illinois.....	7,374	6,462	82.8	89.2	2.49	2.39	124	130
Indiana.....	825	535	49.9	1.8	.95	1.12	140	138
Kentucky.....	88	214	20.5	88.3	.45	.48	172	171
Montana.....	790	1,005	100.0	100.0	.33	.38	262	258
Utah.....	880	964	59.8	27.7	.38	.38	171	138
West Virginia.....	7	—	—	—	.57	—	146	—
Wyoming.....	10,469	7,875	90.3	93.5	.38	.34	194	203
<b>Indiana</b> .....	<b>25,934</b>	<b>26,272</b>	<b>63.9</b>	<b>71.7</b>	<b>1.53</b>	<b>1.59</b>	<b>117</b>	<b>122</b>
Illinois.....	2,789	5,670	89.6	80.8	1.99	2.18	131	136
Indiana.....	11,646	8,883	41.9	49.0	2.15	2.20	106	109
Kentucky.....	454	422	84.1	91.0	1.36	1.38	125	133
Montana.....	604	472	100.0	100.0	.33	.37	253	254
Ohio.....	594	487	—	—	3.68	3.87	101	104
Pennsylvania.....	264	275	—	—	1.75	1.90	104	109
Virginia.....	537	489	100.0	100.0	.53	.53	160	155
West Virginia.....	538	590	47.8	55.1	.95	1.60	142	136
Wyoming.....	8,508	8,984	87.3	91.7	.34	.36	114	116
<b>Iowa</b> .....	<b>8,378</b>	<b>9,138</b>	<b>81.6</b>	<b>81.7</b>	<b>.47</b>	<b>.49</b>	<b>92</b>	<b>95</b>
Colorado.....	260	241	88.4	91.5	.46	.51	135	129
Illinois.....	47	75	72.1	56.2	2.13	1.88	128	115

See footnotes at end of table.

**Table 28. Destination of Coal Received at Electric Utility Plants by Origin, January-June 1997, 1996 (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)	
	1997	1996	1997	1996	1997	1996	1997	1996
<b>Iowa</b>								
Indiana .....	66	111	24.5	-	1.28	1.04	123	121
Kentucky.....	32	31	-	100.0	2.29	2.26	113	109
Montana.....	29	-	-	-	.30	-	148	-
Wyoming.....	7,944	8,680	82.5	82.6	.44	.45	90	93
<b>Kansas</b> .....	<b>7,963</b>	<b>8,830</b>	<b>99.2</b>	<b>85.5</b>	<b>.57</b>	<b>.57</b>	<b>107</b>	<b>100</b>
Colorado.....	842	710	100.0	100.0	.37	.43	133	123
Illinois.....	88	98	100.0	72.3	2.69	2.56	107	122
Kansas.....	84	53	100.0	100.0	3.17	1.92	115	131
Missouri.....	152	193	100.0	46.1	3.79	3.65	101	104
Oklahoma.....	8	-	-	-	2.91	-	120	-
Wyoming.....	6,789	7,776	99.2	85.2	.43	.44	103	96
<b>Kentucky</b> .....	<b>20,812</b>	<b>19,457</b>	<b>71.0</b>	<b>72.4</b>	<b>2.12</b>	<b>2.13</b>	<b>105</b>	<b>106</b>
Colorado.....	1,528	881	95.7	92.8	.44	.41	124	126
Illinois.....	193	32	22.0	-	2.29	3.12	104	92
Indiana.....	1,317	1,189	99.3	100.0	2.86	2.81	92	90
Kentucky.....	13,036	14,098	67.9	72.5	2.53	2.40	101	104
Ohio.....	316	246	41.7	39.4	3.68	3.32	89	92
Pennsylvania.....	57	283	64.0	-	1.65	1.22	111	101
Utah.....	320	-	89.7	-	.48	-	128	-
West Virginia.....	3,582	2,716	66.5	64.8	1.32	1.03	112	115
Wyoming.....	463	11	57.5	-	.51	.79	109	92
<b>Louisiana</b> .....	<b>6,506</b>	<b>6,068</b>	<b>100.0</b>	<b>100.0</b>	<b>.78</b>	<b>.69</b>	<b>150</b>	<b>152</b>
Louisiana.....	1,817	1,536	100.0	100.0	1.54	1.42	134	140
Wyoming.....	4,689	4,532	100.0	100.0	.54	.50	155	156
<b>Maryland</b> .....	<b>4,896</b>	<b>5,797</b>	<b>76.5</b>	<b>59.9</b>	<b>.86</b>	<b>.87</b>	<b>152</b>	<b>150</b>
Kentucky.....	269	413	85.9	58.4	.58	.57	151	152
Maryland.....	393	469	85.0	70.8	1.09	1.10	173	167
Pennsylvania.....	554	901	61.2	50.4	1.06	1.08	157	156
West Virginia.....	3,680	4,014	77.3	61.0	.82	.82	150	147
<b>Massachusetts</b> .....	<b>2,243</b>	<b>2,359</b>	<b>90.0</b>	<b>86.0</b>	<b>.58</b>	<b>.55</b>	<b>171</b>	<b>170</b>
Kentucky.....	405	286	91.7	63.3	.55	.51	181	185
Pennsylvania.....	125	80	73.0	100.0	.99	.94	166	160
West Virginia.....	1,091	1,072	85.6	85.6	.56	.55	173	176
Imported coal Colombia.....	511	361	100.0	80.5	.53	.50	163	158
Imported coal Venezuela.....	112	560	100.0	100.0	.56	.55	163	158
<b>Michigan</b> .....	<b>13,846</b>	<b>12,076</b>	<b>82.7</b>	<b>79.7</b>	<b>.64</b>	<b>.62</b>	<b>137</b>	<b>137</b>
Colorado.....	182	250	94.4	100.0	.46	.46	135	135
Illinois.....	-	10	-	-	-	.73	-	147
Indiana.....	69	80	100.0	100.0	2.01	1.49	136	134
Kentucky.....	1,993	1,672	63.4	98.2	.72	.73	154	166
Montana.....	3,025	2,578	100.0	90.0	.39	.40	157	149
Ohio.....	52	25	97.6	100.0	2.50	2.16	155	154
Pennsylvania.....	1,213	1,083	84.3	77.4	1.18	1.22	121	119
Virginia.....	-	7	-	100.0	-	.72	-	220
West Virginia.....	2,579	2,286	71.9	78.2	.88	.82	155	153
Wyoming.....	4,733	4,084	84.6	65.5	.33	.28	107	107
<b>Minnesota</b> .....	<b>8,275</b>	<b>8,553</b>	<b>96.8</b>	<b>91.3</b>	<b>.49</b>	<b>.49</b>	<b>112</b>	<b>108</b>
Illinois.....	52	39	100.0	100.0	1.12	1.23	166	165
Montana.....	4,320	4,346	93.8	92.7	.66	.62	112	108
Pennsylvania.....	-	18	-	-	-	1.92	-	144
Wyoming.....	3,902	4,149	100.0	90.1	.29	.32	112	108
<b>Mississippi</b> .....	<b>2,893</b>	<b>2,375</b>	<b>88.3</b>	<b>84.1</b>	<b>.67</b>	<b>.94</b>	<b>154</b>	<b>149</b>
Alabama.....	46	-	-	-	.63	-	138	-
Colorado.....	36	104	-	100.0	.42	.41	155	161
Illinois.....	626	922	87.9	62.4	1.02	1.49	138	129
Kentucky.....	541	397	87.7	92.0	.80	.72	198	205
Montana.....	1,528	952	100.0	100.0	.43	.42	143	141
Wyoming.....	116	-	-	-	.53	-	136	-
<b>Missouri</b> .....	<b>15,910</b>	<b>16,006</b>	<b>85.0</b>	<b>87.5</b>	<b>.53</b>	<b>.62</b>	<b>94</b>	<b>95</b>
Illinois.....	1,291	1,846	80.3	95.7	2.10	2.32	127	133
Kansas.....	38	34	98.2	100.0	2.87	2.50	133	135
Kentucky.....	23	25	100.0	100.0	.70	.57	214	208
Missouri.....	49	77	93.8	98.5	2.46	2.81	123	124
Wyoming.....	14,510	14,023	85.3	86.3	.33	.31	90	88
<b>Montana</b> .....	<b>3,894</b>	<b>2,719</b>	<b>100.0</b>	<b>100.0</b>	<b>.88</b>	<b>.78</b>	<b>69</b>	<b>74</b>
Montana.....	3,694	2,666	100.0	100.0	.91	.79	70	74
Wyoming.....	200	53	100.0	100.0	.28	.35	49	69

See footnotes at end of table.

**Table 28. Destination of Coal Received at Electric Utility Plants by Origin, January-June 1997, 1996 (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)	
	1997	1996	1997	1996	1997	1996	1997	1996
<b>Nebraska</b> .....	<b>5,349</b>	<b>4,939</b>	<b>75.2</b>	<b>73.5</b>	<b>0.36</b>	<b>0.40</b>	<b>60</b>	<b>73</b>
Montana.....	-	2	-	-	-	.43	-	104
Wyoming.....	5,349	4,936	75.2	73.6	.36	.40	60	73
<b>Nevada</b> .....	<b>3,268</b>	<b>3,050</b>	<b>94.5</b>	<b>100.0</b>	<b>.44</b>	<b>.44</b>	<b>142</b>	<b>146</b>
Arizona.....	2,133	1,875	100.0	100.0	.46	.46	135	133
Colorado.....	48	105	100.0	100.0	.49	.43	201	134
Utah.....	1,070	890	84.8	100.0	.41	.39	155	165
Wyoming.....	17	180	-	100.0	.48	.52	95	190
<b>New Hampshire</b> .....	<b>795</b>	<b>622</b>	<b>59.3</b>	<b>86.4</b>	<b>1.13</b>	<b>1.26</b>	<b>161</b>	<b>158</b>
Pennsylvania.....	455	404	71.7	94.0	1.10	1.17	165	162
Virginia.....	-	10	-	100.0	-	.50	-	201
West Virginia.....	213	175	68.2	83.8	1.53	1.62	151	145
Imported coal Colombia.....	-	32	-	-	-	.54	-	162
Imported coal Venezuela.....	127	-	-	-	.57	-	162	-
<b>New Jersey</b> .....	<b>1,121</b>	<b>1,073</b>	<b>95.2</b>	<b>95.2</b>	<b>.92</b>	<b>1.04</b>	<b>176</b>	<b>176</b>
Kentucky.....	106	45	100.0	100.0	.50	.51	174	186
Virginia.....	482	343	94.1	96.8	.57	.54	179	183
West Virginia.....	533	685	95.2	94.1	1.35	1.35	174	172
<b>New Mexico</b> .....	<b>7,927</b>	<b>6,581</b>	<b>100.0</b>	<b>100.0</b>	<b>.89</b>	<b>.85</b>	<b>135</b>	<b>148</b>
New Mexico.....	7,927	6,581	100.0	100.0	.89	.85	135	148
<b>New York</b> .....	<b>3,643</b>	<b>3,742</b>	<b>87.4</b>	<b>92.1</b>	<b>1.32</b>	<b>1.35</b>	<b>141</b>	<b>142</b>
Kentucky.....	296	499	49.0	81.2	.45	.51	187	196
Pennsylvania.....	1,106	1,561	87.1	90.3	1.31	1.38	134	132
West Virginia.....	2,083	1,682	92.1	97.1	1.52	1.57	136	135
Imported coal Venezuela.....	158	-	100.0	-	.49	-	174	-
<b>North Carolina</b> .....	<b>13,119</b>	<b>11,077</b>	<b>73.6</b>	<b>73.3</b>	<b>.73</b>	<b>.72</b>	<b>143</b>	<b>150</b>
Kentucky.....	7,936	6,433	66.4	70.7	.79	.75	141	147
Virginia.....	161	727	-	71.5	.91	.82	131	128
West Virginia.....	4,982	3,916	88.2	77.9	.62	.64	148	159
Wyoming.....	40	-	-	-	.56	-	179	-
<b>North Dakota</b> .....	<b>11,199</b>	<b>11,505</b>	<b>98.1</b>	<b>100.0</b>	<b>1.15</b>	<b>1.09</b>	<b>76</b>	<b>74</b>
North Dakota.....	11,091	11,505	99.1	100.0	1.16	1.09	76	74
Wyoming.....	107	-	-	-	.52	-	65	-
<b>Ohio</b> .....	<b>25,931</b>	<b>26,743</b>	<b>69.7</b>	<b>71.8</b>	<b>1.70</b>	<b>1.72</b>	<b>133</b>	<b>134</b>
Indiana.....	2	-	-	-	2.36	-	104	-
Kentucky.....	4,206	4,432	63.4	71.9	.78	.76	133	138
Montana.....	15	9	-	-	.32	.30	149	151
Ohio.....	10,729	10,647	74.5	77.0	2.87	2.95	134	135
Pennsylvania.....	1,726	2,031	42.2	62.6	1.35	1.26	116	119
Virginia.....	192	-	100.0	-	.58	-	125	-
West Virginia.....	8,623	9,599	72.7	68.2	.87	.94	135	133
Wyoming.....	438	24	49.8	-	.26	.39	124	151
<b>Oklahoma</b> .....	<b>9,366</b>	<b>9,870</b>	<b>99.9</b>	<b>97.7</b>	<b>.35</b>	<b>.40</b>	<b>93</b>	<b>99</b>
Oklahoma.....	42	77	100.0	100.0	2.61	2.31	103	109
Wyoming.....	9,324	9,793	99.9	97.6	.33	.37	93	99
<b>Oregon</b> .....	<b>135</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>.25</b>	<b>-</b>	<b>114</b>	<b>-</b>
Wyoming.....	135	-	-	-	.25	-	114	-
<b>Pennsylvania</b> .....	<b>21,880</b>	<b>20,085</b>	<b>74.9</b>	<b>70.3</b>	<b>1.71</b>	<b>1.70</b>	<b>137</b>	<b>140</b>
Maryland.....	8	-	-	-	.86	-	133	-
Ohio.....	195	428	100.0	82.0	3.08	2.86	171	168
Pennsylvania.....	17,243	15,263	70.0	62.8	1.55	1.48	132	135
West Virginia.....	4,434	4,395	93.1	95.1	2.27	2.31	154	154
<b>South Carolina</b> .....	<b>5,734</b>	<b>4,826</b>	<b>74.9</b>	<b>70.4</b>	<b>.92</b>	<b>.95</b>	<b>145</b>	<b>147</b>
Kentucky.....	4,936	4,228	73.1	66.9	.89	.91	144	146
Tennessee.....	189	31	84.6	-	1.19	1.10	152	147
Virginia.....	555	566	95.6	100.0	1.10	1.21	153	154
West Virginia.....	55	-	-	-	1.06	-	150	-
<b>South Dakota</b> .....	<b>945</b>	<b>827</b>	<b>100.0</b>	<b>100.0</b>	<b>.72</b>	<b>.59</b>	<b>93</b>	<b>92</b>
Montana.....	945	827	100.0	100.0	.72	.59	93	92
<b>Tennessee</b> .....	<b>12,005</b>	<b>11,969</b>	<b>73.6</b>	<b>72.2</b>	<b>1.58</b>	<b>1.51</b>	<b>114</b>	<b>115</b>
Colorado.....	653	463	100.0	-	.44	.43	113	108
Illinois.....	655	1,874	65.2	48.7	1.79	1.65	109	114
Indiana.....	-	122	-	-	-	1.10	-	117
Kentucky.....	7,632	6,627	65.5	78.8	1.89	1.81	113	113
Pennsylvania.....	317	113	100.0	100.0	1.88	1.74	110	110
Tennessee.....	798	1,121	93.3	96.5	.91	1.02	118	120
Utah.....	588	940	96.1	66.6	.46	.40	121	122
Virginia.....	877	688	90.3	100.0	1.31	1.35	127	123
Wyoming.....	485	23	70.8	-	.36	.59	89	115

See footnotes at end of table.

**Table 28. Destination of Coal Received at Electric Utility Plants by Origin, January-June 1997, 1996 (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)	
	1997	1996	1997	1996	1997	1996	1997	1996
<b>Texas</b> .....	<b>44,735</b>	<b>46,299</b>	<b>93.1</b>	<b>94.1</b>	<b>0.94</b>	<b>0.96</b>	<b>127</b>	<b>132</b>
Colorado .....	614	903	-	-	.35	.37	131	137
Texas .....	23,766	25,014	100.0	99.9	1.56	1.58	100	101
Wyoming .....	20,354	20,382	87.8	91.2	.42	.42	152	160
<b>Utah</b> .....	<b>7,837</b>	<b>6,618</b>	<b>92.9</b>	<b>95.2</b>	<b>.42</b>	<b>.40</b>	<b>112</b>	<b>106</b>
Colorado .....	1,086	672	83.0	100.0	.37	.37	173	177
Utah .....	6,729	5,945	94.9	94.6	.42	.41	103	99
Wyoming .....	22	-	-	-	.27	-	128	-
<b>Virginia</b> .....	<b>5,700</b>	<b>5,418</b>	<b>76.1</b>	<b>76.7</b>	<b>.81</b>	<b>.77</b>	<b>139</b>	<b>142</b>
Kentucky .....	1,290	1,497	54.1	59.5	.90	.86	145	147
Maryland .....	30	-	-	-	1.35	-	152	-
Virginia .....	3,077	2,905	79.0	84.1	.79	.75	135	139
West Virginia .....	1,304	1,015	92.7	80.7	.73	.71	143	147
<b>Washington</b> .....	<b>1,874</b>	<b>2,167</b>	<b>99.8</b>	<b>99.3</b>	<b>.73</b>	<b>.89</b>	<b>193</b>	<b>165</b>
Montana .....	123	4	100.0	-	.38	.53	134	176
Washington .....	1,747	2,152	100.0	100.0	.77	.89	198	165
Imported coal Canada .....	4	12	-	-	.36	.44	176	174
<b>West Virginia</b> .....	<b>15,994</b>	<b>15,910</b>	<b>92.7</b>	<b>75.5</b>	<b>1.61</b>	<b>1.54</b>	<b>124</b>	<b>126</b>
Kentucky .....	-	143	-	88.1	-	.72	-	187
Maryland .....	1,282	878	97.2	79.6	1.42	1.28	107	123
Ohio .....	773	540	100.0	75.7	3.09	3.28	87	77
Pennsylvania .....	1,060	498	86.5	65.1	1.17	1.31	125	129
West Virginia .....	12,879	13,851	92.3	75.4	1.57	1.50	128	128
<b>Wisconsin</b> .....	<b>11,600</b>	<b>10,592</b>	<b>82.2</b>	<b>76.4</b>	<b>.51</b>	<b>.49</b>	<b>109</b>	<b>106</b>
Colorado .....	317	132	-	-	.46	.43	135	131
Illinois .....	361	186	-	-	.87	.77	133	128
Indiana .....	107	70	-	-	1.14	1.27	136	135
Kentucky .....	58	17	-	-	.71	.56	166	168
Montana .....	1,091	1,002	99.2	100.0	.61	.63	111	104
New Mexico .....	265	384	100.0	100.0	.46	.45	157	150
Pennsylvania .....	739	581	61.0	32.4	1.21	1.25	147	139
Utah .....	52	82	-	-	.45	.43	165	156
West Virginia .....	12	-	-	-	.56	-	145	-
Wyoming .....	8,599	8,138	90.0	80.1	.37	.37	97	97
<b>Wyoming</b> .....	<b>11,111</b>	<b>10,826</b>	<b>95.9</b>	<b>97.3</b>	<b>.61</b>	<b>.60</b>	<b>81</b>	<b>82</b>
Wyoming .....	11,111	10,826	95.9	97.3	.61	.60	81	82
<b>U.S. Total</b> .....	<b>428,893</b>	<b>416,591</b>	<b>82.3</b>	<b>81.5</b>	<b>1.08</b>	<b>1.08</b>	<b>129</b>	<b>130</b>

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

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

**Table 29. Origin of Coal Received at Electric Utility Plants by Destination, January-June 1997, 1996**

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)	
	1997	1996	1997	1996	1997	1996	1997	1996
<b>Alabama</b> .....	<b>8,517</b>	<b>8,429</b>	<b>89.2</b>	<b>93.2</b>	<b>0.92</b>	<b>0.91</b>	<b>178</b>	<b>178</b>
Alabama.....	8,228	8,193	92.4	95.9	.89	.89	179	179
Florida.....	193	-	-	-	1.94	-	176	-
Georgia.....	50	236	-	-	1.51	1.52	135	133
Mississippi.....	46	-	-	-	.63	-	138	-
<b>Arizona</b> .....	<b>4,952</b>	<b>5,031</b>	<b>100.0</b>	<b>100.0</b>	<b>.48</b>	<b>.48</b>	<b>129</b>	<b>122</b>
Arizona.....	2,819	3,156	100.0	100.0	.49	.49	125	116
Nevada.....	2,133	1,875	100.0	100.0	.46	.46	135	133
<b>Colorado</b> .....	<b>11,490</b>	<b>9,910</b>	<b>82.0</b>	<b>80.9</b>	<b>.41</b>	<b>.42</b>	<b>125</b>	<b>126</b>
Arizona.....	-	40	-	-	-	.37	-	116
Colorado.....	5,299	4,903	90.1	95.1	.41	.42	111	115
Florida.....	14	139	-	100.0	.54	.37	183	191
Illinois.....	611	366	55.0	91.5	.47	.45	136	133
Iowa.....	260	241	88.4	91.5	.46	.51	135	129
Kansas.....	842	710	100.0	100.0	.37	.43	133	123
Kentucky.....	1,528	881	95.7	92.8	.44	.41	124	126
Michigan.....	182	250	94.4	100.0	.46	.46	135	135
Mississippi.....	36	104	-	100.0	.42	.41	155	161
Nevada.....	48	105	100.0	100.0	.49	.43	201	134
Tennessee.....	653	463	100.0	-	.44	.43	113	108
Texas.....	614	903	-	-	.35	.37	131	137
Utah.....	1,086	672	83.0	100.0	.37	.37	173	177
Wisconsin.....	317	132	-	-	.46	.43	135	131
<b>Illinois</b> .....	<b>17,815</b>	<b>21,586</b>	<b>76.3</b>	<b>72.8</b>	<b>2.04</b>	<b>2.03</b>	<b>137</b>	<b>138</b>
Alabama.....	854	775	-	-	1.20	1.55	130	124
Florida.....	3,035	3,028	77.7	64.6	1.87	1.75	184	183
Georgia.....	450	569	89.6	-	.87	.98	147	147
Illinois.....	7,374	6,462	82.8	89.2	2.49	2.39	124	130
Indiana.....	2,789	5,670	89.6	80.8	1.99	2.18	131	136
Iowa.....	47	75	72.1	56.2	2.13	1.88	128	115
Kansas.....	88	98	100.0	72.3	2.69	2.56	107	122
Kentucky.....	193	32	22.0	-	2.29	3.12	104	92
Michigan.....	-	10	-	-	-	.73	-	147
Minnesota.....	52	39	100.0	100.0	1.12	1.23	166	165
Mississippi.....	626	922	87.9	62.4	1.02	1.49	138	129
Missouri.....	1,291	1,846	80.3	95.7	2.10	2.32	127	133
Tennessee.....	655	1,874	65.2	48.7	1.79	1.65	109	114
Wisconsin.....	361	186	-	-	.87	.77	133	128
<b>Indiana</b> .....	<b>14,035</b>	<b>10,989</b>	<b>47.6</b>	<b>51.3</b>	<b>2.13</b>	<b>2.18</b>	<b>107</b>	<b>109</b>
Florida.....	5	-	-	-	.62	-	164	-
Illinois.....	825	535	49.9	1.8	.95	1.12	140	138
Indiana.....	11,646	8,883	41.9	49.0	2.15	2.20	106	109
Iowa.....	66	111	24.5	-	1.28	1.04	123	121
Kentucky.....	1,317	1,189	99.3	100.0	2.86	2.81	92	90
Michigan.....	69	80	100.0	100.0	2.01	1.49	136	134
Ohio.....	2	-	-	-	2.36	-	104	-
Tennessee.....	-	122	-	-	-	1.10	-	117
Wisconsin.....	107	70	-	-	1.14	1.27	136	135
<b>Kansas</b> .....	<b>122</b>	<b>88</b>	<b>99.4</b>	<b>100.0</b>	<b>3.08</b>	<b>2.13</b>	<b>120</b>	<b>133</b>
Kansas.....	84	53	100.0	100.0	3.17	1.92	115	131
Missouri.....	38	34	98.2	100.0	2.87	2.50	133	135
<b>Kentucky</b> .....	<b>59,458</b>	<b>57,429</b>	<b>66.6</b>	<b>71.5</b>	<b>1.38</b>	<b>1.35</b>	<b>136</b>	<b>137</b>
Alabama.....	1,344	1,936	66.5	68.3	1.95	1.55	112	119
Connecticut.....	405	439	98.8	100.0	.41	.42	193	191
Florida.....	7,113	6,985	62.2	62.5	1.30	1.17	175	173
Georgia.....	7,294	6,589	65.6	66.5	.77	.78	155	150
Illinois.....	88	214	20.5	88.3	.45	.48	172	171
Indiana.....	454	422	84.1	91.0	1.36	1.38	125	133
Iowa.....	32	31	-	100.0	2.29	2.26	113	109
Kentucky.....	13,036	14,098	67.9	72.5	2.53	2.40	101	104
Maryland.....	269	413	85.9	58.4	.58	.57	151	152
Massachusetts.....	405	286	91.7	63.3	.55	.51	181	185
Michigan.....	1,993	1,672	63.4	98.2	.72	.73	154	166
Mississippi.....	541	397	87.7	92.0	.80	.72	198	205
Missouri.....	23	25	100.0	100.0	.70	.57	214	208
New Jersey.....	106	45	100.0	100.0	.50	.51	174	186
New York.....	296	499	49.0	81.2	.45	.51	187	196
North Carolina.....	7,936	6,433	66.4	70.7	.79	.75	141	147
Ohio.....	4,206	4,432	63.4	71.9	.78	.76	133	138

See footnotes at end of table.

**Table 29. Origin of Coal Received at Electric Utility Plants by Destination, January-June 1997, 1996 (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)	
	1997	1996	1997	1996	1997	1996	1997	1996
<b>Kentucky</b>								
South Carolina.....	4,936	4,228	73.1	66.9	0.89	0.91	144	146
Tennessee.....	7,632	6,627	65.5	78.8	1.89	1.81	113	113
Virginia.....	1,290	1,497	54.1	59.5	.90	.86	145	147
West Virginia.....	—	143	—	88.1	—	.72	—	187
Wisconsin.....	58	17	—	—	.71	.56	166	168
<b>Louisiana</b> .....	<b>1,817</b>	<b>1,536</b>	<b>100.0</b>	<b>100.0</b>	<b>1.54</b>	<b>1.42</b>	<b>134</b>	<b>140</b>
Louisiana.....	1,817	1,536	100.0	100.0	1.54	1.42	134	140
<b>Maryland</b> .....	<b>1,752</b>	<b>1,425</b>	<b>92.5</b>	<b>77.3</b>	<b>1.33</b>	<b>1.21</b>	<b>124</b>	<b>139</b>
Delaware.....	39	78	100.0	90.9	1.09	1.12	149	148
Maryland.....	393	469	85.0	70.8	1.09	1.10	173	167
Pennsylvania.....	8	—	—	—	.86	—	133	—
Virginia.....	30	—	—	—	1.35	—	152	—
West Virginia.....	1,282	878	97.2	79.6	1.42	1.28	107	123
<b>Missouri</b> .....	<b>201</b>	<b>270</b>	<b>98.5</b>	<b>61.0</b>	<b>3.47</b>	<b>3.41</b>	<b>106</b>	<b>109</b>
Kansas.....	152	193	100.0	46.1	3.79	3.65	101	104
Missouri.....	49	77	93.8	98.5	2.46	2.81	123	124
<b>Montana</b> .....	<b>16,165</b>	<b>13,864</b>	<b>98.0</b>	<b>95.8</b>	<b>.60</b>	<b>.57</b>	<b>127</b>	<b>128</b>
Illinois.....	790	1,005	100.0	100.0	.33	.38	262	258
Indiana.....	604	472	100.0	100.0	.33	.37	253	254
Iowa.....	29	—	—	—	.30	—	148	—
Michigan.....	3,025	2,578	100.0	90.0	.39	.40	157	149
Minnesota.....	4,320	4,346	93.8	92.7	.66	.62	112	108
Mississippi.....	1,528	952	100.0	100.0	.43	.42	143	141
Montana.....	3,694	2,666	100.0	100.0	.91	.79	70	74
Nebraska.....	—	2	—	—	—	.43	—	104
Ohio.....	15	9	—	—	.32	.30	149	151
South Dakota.....	945	827	100.0	100.0	.72	.59	93	92
Washington.....	123	4	100.0	—	.38	.53	134	176
Wisconsin.....	1,091	1,002	99.2	100.0	.61	.63	111	104
<b>New Mexico</b> .....	<b>13,052</b>	<b>10,925</b>	<b>90.9</b>	<b>94.7</b>	<b>.75</b>	<b>.74</b>	<b>146</b>	<b>157</b>
Arizona.....	4,860	3,959	75.5	85.3	.55	.61	161	171
New Mexico.....	7,927	6,581	100.0	100.0	.89	.85	135	148
Wisconsin.....	265	384	100.0	100.0	.46	.45	157	150
<b>North Dakota</b> .....	<b>11,091</b>	<b>11,505</b>	<b>99.1</b>	<b>100.0</b>	<b>1.16</b>	<b>1.09</b>	<b>76</b>	<b>74</b>
North Dakota.....	11,091	11,505	99.1	100.0	1.16	1.09	76	74
<b>Ohio</b> .....	<b>12,659</b>	<b>12,374</b>	<b>72.2</b>	<b>73.4</b>	<b>2.94</b>	<b>3.01</b>	<b>129</b>	<b>131</b>
Indiana.....	594	487	—	—	3.68	3.87	101	104
Kentucky.....	316	246	41.7	39.4	3.68	3.32	89	92
Michigan.....	52	25	97.6	100.0	2.50	2.16	155	154
Ohio.....	10,729	10,647	74.5	77.0	2.87	2.95	134	135
Pennsylvania.....	195	428	100.0	82.0	3.08	2.86	171	168
West Virginia.....	773	540	100.0	75.7	3.09	3.28	87	77
<b>Oklahoma</b> .....	<b>50</b>	<b>77</b>	<b>83.9</b>	<b>100.0</b>	<b>2.66</b>	<b>2.31</b>	<b>106</b>	<b>109</b>
Kansas.....	8	—	—	—	2.91	—	120	—
Oklahoma.....	42	77	100.0	100.0	2.61	2.31	103	109
<b>Pennsylvania</b> .....	<b>25,122</b>	<b>23,515</b>	<b>69.4</b>	<b>63.5</b>	<b>1.46</b>	<b>1.41</b>	<b>131</b>	<b>133</b>
Alabama.....	46	212	100.0	100.0	1.80	1.74	112	111
Delaware.....	217	212	59.4	37.5	1.02	1.10	142	145
Indiana.....	264	275	—	—	1.75	1.90	104	109
Kentucky.....	57	283	64.0	—	1.65	1.22	111	101
Maryland.....	554	901	61.2	50.4	1.06	1.08	157	156
Massachusetts.....	125	80	73.0	100.0	.99	.94	166	160
Michigan.....	1,213	1,083	84.3	77.4	1.18	1.22	121	119
Minnesota.....	—	18	—	—	—	1.92	—	144
New Hampshire.....	455	404	71.7	94.0	1.10	1.17	165	162
New York.....	1,106	1,561	87.1	90.3	1.31	1.38	134	132
Ohio.....	1,726	2,031	42.2	62.6	1.35	1.26	116	119
Pennsylvania.....	17,243	15,263	70.0	62.8	1.55	1.48	132	135
Tennessee.....	317	113	100.0	100.0	1.88	1.74	110	110
West Virginia.....	1,060	498	86.5	65.1	1.17	1.31	125	129
Wisconsin.....	739	581	61.0	32.4	1.21	1.25	147	139
<b>Tennessee</b> .....	<b>1,270</b>	<b>1,506</b>	<b>93.5</b>	<b>95.3</b>	<b>.91</b>	<b>.95</b>	<b>127</b>	<b>123</b>
Alabama.....	284	354	100.0	100.0	.71	.70	134	132
South Carolina.....	189	31	84.6	—	1.19	1.10	152	147
Tennessee.....	798	1,121	93.3	96.5	.91	1.02	118	120
<b>Texas</b> .....	<b>23,766</b>	<b>25,014</b>	<b>100.0</b>	<b>99.9</b>	<b>1.56</b>	<b>1.58</b>	<b>100</b>	<b>101</b>
Texas.....	23,766	25,014	100.0	99.9	1.56	1.58	100	101

See footnotes at end of table.

**Table 29. Origin of Coal Received at Electric Utility Plants by Destination, January-June 1997, 1996 (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)	
	1997	1996	1997	1996	1997	1996	1997	1996
<b>Utah</b> .....	<b>9,639</b>	<b>8,822</b>	<b>89.9</b>	<b>84.0</b>	<b>0.42</b>	<b>0.40</b>	<b>117</b>	<b>113</b>
Illinois.....	880	964	59.8	27.7	.38	.38	171	138
Kentucky.....	320	-	89.7	-	.48	-	128	-
Nevada.....	1,070	890	84.8	100.0	.41	.39	155	165
Tennessee.....	588	940	96.1	66.6	.46	.40	121	122
Utah.....	6,729	5,945	94.9	94.6	.42	.41	103	99
Wisconsin.....	52	82	-	-	.45	.43	165	156
<b>Virginia</b> .....	<b>7,376</b>	<b>7,369</b>	<b>83.7</b>	<b>81.1</b>	<b>.82</b>	<b>.80</b>	<b>148</b>	<b>148</b>
Alabama.....	-	1	-	100.0	-	.51	-	131
Connecticut.....	4	-	100.0	-	.52	-	184	-
Delaware.....	76	-	88.3	-	.67	-	158	-
Florida.....	454	434	96.0	100.0	.67	.56	210	215
Georgia.....	963	1,199	75.7	40.6	.73	.66	161	157
Indiana.....	537	489	100.0	100.0	.53	.53	160	155
Michigan.....	-	7	-	100.0	-	.72	-	220
New Hampshire.....	-	10	-	100.0	-	.50	-	201
New Jersey.....	482	343	94.1	96.8	.57	.54	179	183
North Carolina.....	161	727	-	71.5	.91	.82	131	128
Ohio.....	192	-	100.0	-	.58	-	125	-
South Carolina.....	555	566	95.6	100.0	1.10	1.21	153	154
Tennessee.....	877	688	90.3	100.0	1.31	1.35	127	123
Virginia.....	3,077	2,905	79.0	84.1	.79	.75	135	139
<b>Washington</b> .....	<b>1,747</b>	<b>2,152</b>	<b>100.0</b>	<b>100.0</b>	<b>.77</b>	<b>.89</b>	<b>198</b>	<b>165</b>
Washington.....	1,747	2,152	100.0	100.0	.77	.89	198	165
<b>West Virginia</b> .....	<b>52,580</b>	<b>50,437</b>	<b>81.3</b>	<b>74.2</b>	<b>1.20</b>	<b>1.20</b>	<b>141</b>	<b>141</b>
Alabama.....	1,797	1,117	63.4	60.6	1.36	1.13	129	130
Connecticut.....	139	-	79.9	-	.48	-	190	-
Delaware.....	537	453	82.8	91.6	.55	.57	170	166
Florida.....	1,351	918	49.2	57.8	1.17	1.36	168	164
Georgia.....	2,162	1,952	77.8	56.7	.57	.57	184	187
Illinois.....	7	-	-	-	.57	-	146	-
Indiana.....	538	590	47.8	55.1	.95	1.60	142	136
Kentucky.....	3,582	2,716	66.5	64.8	1.32	1.03	112	115
Maryland.....	3,680	4,014	77.3	61.0	.82	.82	150	147
Massachusetts.....	1,091	1,072	85.6	85.6	.56	.55	173	176
Michigan.....	2,579	2,286	71.9	78.2	.88	.82	155	153
New Hampshire.....	213	175	68.2	83.8	1.53	1.62	151	145
New Jersey.....	533	685	95.2	94.1	1.35	1.35	174	172
New York.....	2,083	1,682	92.1	97.1	1.52	1.57	136	135
North Carolina.....	4,982	3,916	88.2	77.9	.62	.64	148	159
Ohio.....	8,623	9,599	72.7	68.2	.87	.94	135	133
Pennsylvania.....	4,434	4,395	93.1	95.1	2.27	2.31	154	154
South Carolina.....	55	-	-	-	1.06	-	150	-
Virginia.....	1,304	1,015	92.7	80.7	.73	.71	143	147
West Virginia.....	12,879	13,851	92.3	75.4	1.57	1.50	128	128
Wisconsin.....	12	-	-	-	.56	-	145	-
<b>Wyoming</b> .....	<b>132,354</b>	<b>130,190</b>	<b>87.7</b>	<b>86.7</b>	<b>.40</b>	<b>.40</b>	<b>118</b>	<b>119</b>
Alabama.....	2,182	1,647	100.0	97.7	.29	.35	112	112
Arkansas.....	5,865	7,277	93.2	95.7	.38	.37	169	154
Colorado.....	2,841	2,856	91.6	95.7	.32	.37	89	90
Florida.....	520	253	-	-	.51	.25	143	142
Georgia.....	2,640	3,686	-	-	.45	.47	150	151
Illinois.....	10,469	7,875	90.3	93.5	.38	.34	194	203
Indiana.....	8,508	8,984	87.3	91.7	.34	.36	114	116
Iowa.....	7,944	8,680	82.5	82.6	.44	.45	90	93
Kansas.....	6,789	7,776	99.2	85.2	.43	.44	103	96
Kentucky.....	463	11	57.5	-	.51	.79	109	92
Louisiana.....	4,689	4,532	100.0	100.0	.54	.50	155	156
Michigan.....	4,733	4,084	84.6	65.5	.33	.28	107	107
Minnesota.....	3,902	4,149	100.0	90.1	.29	.32	112	108
Mississippi.....	116	-	-	-	.53	-	136	-
Missouri.....	14,510	14,023	85.3	86.3	.33	.31	90	88
Montana.....	200	53	100.0	100.0	.28	.35	49	69
Nebraska.....	5,349	4,936	75.2	73.6	.36	.40	60	73
Nevada.....	17	180	-	100.0	.48	.52	95	190
North Carolina.....	40	-	-	-	.56	-	179	-
North Dakota.....	107	-	-	-	.52	-	65	-
Ohio.....	438	24	49.8	-	.26	.39	124	151
Oklahoma.....	9,324	9,793	99.9	97.6	.33	.37	93	99

See footnotes at end of table.

**Table 29. Origin of Coal Received at Electric Utility Plants by Destination, January-June 1997, 1996 (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)	
	1997	1996	1997	1996	1997	1996	1997	1996
<b>Wyoming</b>								
Oregon .....	135	-	-	-	0.25	-	114	-
Tennessee .....	485	23	70.8	-	.36	0.59	89	115
Texas.....	20,354	20,382	87.8	91.2	.42	.42	152	160
Utah .....	22	-	-	-	.27	-	128	-
Wisconsin .....	8,599	8,138	90.0	80.1	.37	.37	97	97
Wyoming .....	11,111	10,826	95.9	97.3	.61	.60	81	82
<b>Imported Coal.....</b>	<b>1,863</b>	<b>2,148</b>	<b>87.6</b>	<b>88.6</b>	<b>.58</b>	<b>.57</b>	<b>159</b>	<b>166</b>
<b>Canada.....</b>	<b>4</b>	<b>12</b>	<b>-</b>	<b>-</b>	<b>.36</b>	<b>.44</b>	<b>176</b>	<b>174</b>
Washington .....	4	12	-	-	.36	.44	176	174
<b>Colombia .....</b>	<b>1,076</b>	<b>929</b>	<b>100.0</b>	<b>88.9</b>	<b>.57</b>	<b>.52</b>	<b>157</b>	<b>156</b>
Florida .....	565	536	100.0	100.0	.60	.54	152	153
Massachusetts.....	511	361	100.0	80.5	.53	.50	163	158
New Hampshire .....	-	32	-	-	-	.54	-	162
<b>Venezuela.....</b>	<b>496</b>	<b>990</b>	<b>54.3</b>	<b>86.7</b>	<b>.68</b>	<b>.65</b>	<b>162</b>	<b>179</b>
Florida .....	-	298	-	100.0	-	.79	-	232
Georgia.....	99	131	-	-	1.34	.81	138	153
Massachusetts.....	112	560	100.0	100.0	.56	.55	163	158
New Hampshire .....	127	-	-	-	.57	-	162	-
New York.....	158	-	100.0	-	.49	-	174	-
<b>Indonesia .....</b>	<b>287</b>	<b>218</b>	<b>100.0</b>	<b>100.0</b>	<b>.38</b>	<b>.33</b>	<b>162</b>	<b>150</b>
Florida .....	287	218	100.0	100.0	.38	.33	162	150
<b>U.S. Total.....</b>	<b>428,893</b>	<b>416,591</b>	<b>82.3</b>	<b>81.5</b>	<b>1.08</b>	<b>1.08</b>	<b>129</b>	<b>130</b>

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

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



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

Coal Receipts	April - June 1997	January - March 1997	April - June 1996	Year to Date		
				1997	1996	Percent Change
<b>By State</b>						
Alabama.....	764	800	832	1,564	1,659	-5.7
Illinois.....	w	w	w	w	w	w
Indiana.....	1,423	1,434	1,586	2,858	3,133	-8.8
Kentucky.....	w	w	w	w	w	w
Michigan.....	w	w	w	w	w	w
New York.....	w	w	w	w	w	w
Ohio.....	436	451	453	887	863	2.7
Pennsylvania.....	2,349	2,657	2,442	5,005	5,160	-3.0
Utah.....	w	w	w	w	w	w
Virginia.....	w	w	w	w	w	w
West Virginia.....	w	w	w	w	w	w
<b>By Plant Type</b>						
Merchant Coke Plants.....	988	1,000	1,039	1,988	2,076	-4.3
Furnace Coke Plants.....	6,244	6,330	6,935	12,574	13,792	-8.8
<b>U.S. Total.....</b>	<b>7,232</b>	<b>7,330</b>	<b>7,974</b>	<b>14,561</b>	<b>15,869</b>	<b>-8.2</b>

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

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

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

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

Average Price <sup>1</sup>	April - June 1997	January - March 1997	April - June 1996	Year to Date		
				1997	1996	Percent Change
<b>By State</b>						
Alabama.....	\$49.90	\$50.01	\$49.38	\$49.96	\$49.37	1.2
Illinois.....	w	w	w	w	w	w
Indiana.....	\$51.40	\$51.60	\$54.46	\$51.50	\$52.46	-1.8
Kentucky.....	w	w	w	w	w	w
Michigan.....	w	w	w	w	w	w
New York.....	w	w	w	w	w	w
Ohio.....	\$46.57	\$46.71	\$44.80	\$46.64	\$44.48	4.9
Pennsylvania.....	46.49	47.07	46.06	46.80	46.02	1.7
Utah.....	w	w	w	w	w	w
Virginia.....	w	w	w	w	w	w
West Virginia.....	w	w	w	w	w	w
<b>By Plant Type</b>						
Merchant Coke Plants.....	\$48.99	\$48.94	\$48.91	\$48.97	\$49.10	-.3
Furnace Coke Plants.....	48.06	47.97	48.31	48.01	47.74	.6
<b>U.S. Total.....</b>	<b>48.18</b>	<b>48.10</b>	<b>48.39</b>	<b>48.14</b>	<b>47.92</b>	<b>.5</b>

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

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

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

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

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

Census Division and State	April - June 1997	January - March 1997	April - June 1996	Year to Date		
				1997	1996	Percent Change
<b>New England Total</b> .....	<b>64</b>	<b>49</b>	<b>87</b>	<b>113</b>	<b>162</b>	<b>-29.9</b>
Connecticut.....	-	-	-	-	-	-
Maine.....	w	w	w	w	w	w
Massachusetts.....	w	w	w	w	w	w
New Hampshire.....	-	-	-	-	-	-
Rhode Island.....	-	-	-	-	-	-
Vermont.....	-	-	-	-	-	-
<b>Middle Atlantic Total</b> .....	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>
New Jersey.....	w	w	w	w	w	w
New York.....	369	275	349	643	635	1.4
Pennsylvania.....	1,113	1,036	1,112	2,149	2,206	-2.6
<b>East North Central Total</b> .....	<b>4,217</b>	<b>4,036</b>	<b>4,150</b>	<b>8,253</b>	<b>8,077</b>	<b>2.2</b>
Illinois.....	944	997	888	1,941	1,829	6.1
Indiana.....	1,278	1,191	1,212	2,469	2,340	5.5
Michigan.....	605	371	753	976	1,175	-16.9
Ohio.....	942	1,113	902	2,055	1,943	5.8
Wisconsin.....	448	364	395	812	790	2.8
<b>West North Central Total</b> .....	<b>3,128</b>	<b>3,112</b>	<b>3,174</b>	<b>6,240</b>	<b>6,560</b>	<b>-4.9</b>
Iowa.....	756	612	866	1,368	1,493	-8.4
Kansas.....	33	37	41	70	85	-17.3
Minnesota.....	323	361	376	685	867	-21.0
Missouri.....	296	331	268	628	555	13.2
Nebraska.....	w	w	w	w	w	w
North Dakota.....	w	w	w	w	w	w
South Dakota.....	103	102	96	206	169	21.9
<b>South Atlantic Total</b> .....	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>
Delaware.....	w	w	w	w	w	w
District of Columbia.....	-	-	-	-	-	-
Florida.....	342	335	283	678	613	10.6
Georgia.....	474	539	481	1,014	1,013	.1
Maryland.....	197	193	203	390	403	-3.2
North Carolina.....	520	649	571	1,169	1,225	-4.5
South Carolina.....	481	538	434	1,018	1,004	1.5
Virginia.....	645	690	631	1,336	1,302	2.6
West Virginia.....	396	424	416	820	842	-2.6
<b>East South Central Total</b> .....	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>
Alabama.....	659	647	631	1,306	1,304	.1
Kentucky.....	587	575	565	1,162	1,182	-1.7
Mississippi.....	w	w	w	w	w	w
Tennessee.....	900	946	881	1,846	1,872	-1.4
<b>West South Central Total</b> .....	<b>1,361</b>	<b>1,448</b>	<b>1,580</b>	<b>2,808</b>	<b>3,025</b>	<b>-7.2</b>
Arkansas.....	75	92	87	168	176	-4.9
Louisiana.....	w	w	w	w	w	w
Oklahoma.....	w	w	w	w	w	w
Texas.....	1,109	1,151	1,272	2,259	2,410	-6.3
<b>Mountain Total</b> .....	<b>1,060</b>	<b>1,067</b>	<b>940</b>	<b>2,127</b>	<b>1,910</b>	<b>11.4</b>
Arizona.....	151	188	153	339	322	5.2
Colorado.....	90	90	81	180	162	11.0
Idaho.....	w	w	w	w	w	w
Montana.....	w	w	w	w	w	w
Nevada.....	w	w	w	w	w	w
New Mexico.....	w	w	w	w	w	w
Utah.....	198	64	131	262	225	16.3
Wyoming.....	478	489	448	967	898	7.7
<b>Pacific Total</b> .....	<b>599</b>	<b>591</b>	<b>579</b>	<b>1,189</b>	<b>1,223</b>	<b>-2.8</b>
Alaska.....	w	w	w	w	w	w
California.....	522	474	492	996	1,027	-3.1
Hawaii.....	w	w	w	w	w	w
Oregon.....	w	w	w	w	w	w
Washington.....	44	47	45	91	86	6.4
<b>U.S. Total</b> .....	<b>17,207</b>	<b>17,246</b>	<b>17,160</b>	<b>34,453</b>	<b>34,767</b>	<b>-9</b>

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

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

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

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

Census Division and State	April - June 1997	January - March 1997	April - June 1996	Year to Date		
				1997	1996	Percent Change
<b>New England Total</b> .....	<b>\$59.29</b>	<b>\$65.61</b>	<b>\$56.48</b>	<b>\$62.04</b>	<b>\$57.15</b>	<b>8.6</b>
Connecticut.....	-	-	-	-	-	-
Maine.....	w	w	w	w	w	w
Massachusetts.....	w	w	w	w	w	w
New Hampshire.....	-	-	-	-	-	-
Rhode Island.....	-	-	-	-	-	-
Vermont.....	-	-	-	-	-	-
<b>Middle Atlantic Total</b> .....	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>
New Jersey.....	w	w	w	w	w	w
New York.....	\$41.24	\$40.75	\$40.02	\$41.04	\$40.14	2.3
Pennsylvania.....	33.69	35.34	33.87	34.48	33.98	1.5
<b>East North Central Total</b> .....	<b>33.04</b>	<b>33.04</b>	<b>34.56</b>	<b>33.04</b>	<b>34.72</b>	<b>-4.8</b>
Illinois.....	29.52	29.49	29.60	29.51	29.60	-3
Indiana.....	28.85	29.19	31.84	29.01	32.25	-10.0
Michigan.....	40.73	42.91	41.34	41.54	42.17	-1.5
Ohio.....	34.52	34.57	35.15	34.55	35.71	-3.3
Wisconsin.....	39.43	41.39	40.34	40.31	41.12	-2.0
<b>West North Central Total</b> .....	<b>19.04</b>	<b>18.83</b>	<b>19.51</b>	<b>18.93</b>	<b>19.03</b>	<b>-5</b>
Iowa.....	30.18	25.30	30.22	28.03	28.76	-2.5
Kansas.....	32.23	33.64	31.78	32.97	32.67	.9
Minnesota.....	31.40	33.98	29.39	32.80	29.72	10.4
Missouri.....	30.10	30.76	31.54	30.45	32.24	-5.5
Nebraska.....	w	w	w	w	w	w
North Dakota.....	w	w	w	w	w	w
South Dakota.....	\$23.45	\$24.40	\$24.86	\$23.92	\$25.77	-7.2
<b>South Atlantic Total</b> .....	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>
Delaware.....	w	w	w	w	w	w
District of Columbia.....	-	-	-	-	-	-
Florida.....	\$45.61	\$45.08	\$45.64	\$45.35	\$45.68	-7
Georgia.....	44.99	45.00	43.64	45.00	44.12	2.0
Maryland.....	32.15	33.00	32.27	32.57	32.20	1.2
North Carolina.....	42.84	43.45	43.76	43.18	43.41	-5
South Carolina.....	44.30	44.17	43.82	44.23	43.63	1.4
Virginia.....	43.62	44.40	43.75	44.03	43.41	1.4
West Virginia.....	34.17	33.79	32.75	33.97	33.23	2.2
<b>East South Central Total</b> .....	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>
Alabama.....	\$39.91	\$40.41	\$39.96	\$40.16	\$40.12	.1
Kentucky.....	44.67	44.91	44.16	44.79	43.96	1.9
Mississippi.....	w	w	w	w	w	w
Tennessee.....	\$36.15	\$36.19	\$35.18	\$36.17	\$35.39	2.2
<b>West South Central Total</b> .....	<b>22.62</b>	<b>23.19</b>	<b>22.07</b>	<b>22.91</b>	<b>21.77</b>	<b>5.3</b>
Arkansas.....	43.49	43.49	43.62	43.49	43.84	-8
Louisiana.....	w	w	w	w	w	w
Oklahoma.....	w	w	w	w	w	w
Texas.....	\$20.15	\$19.98	\$19.73	\$20.06	\$19.06	5.3
<b>Mountain Total</b> .....	<b>26.60</b>	<b>27.68</b>	<b>26.44</b>	<b>27.14</b>	<b>26.67</b>	<b>1.8</b>
Arizona.....	40.16	38.87	39.41	39.44	39.53	-2
Colorado.....	23.73	23.48	24.59	23.61	24.57	-3.9
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.....	\$18.34	\$24.19	\$19.57	\$19.68	\$20.12	-2.2
Wyoming.....	23.93	22.58	22.65	23.25	22.58	2.9
<b>Pacific Total</b> .....	<b>43.26</b>	<b>43.31</b>	<b>42.82</b>	<b>43.29</b>	<b>42.40</b>	<b>2.1</b>
Alaska.....	w	w	w	w	w	w
California.....	\$40.61	\$39.43	\$39.77	\$40.05	\$39.39	1.7
Hawaii.....	w	w	w	w	w	w
Oregon.....	w	w	w	w	w	w
Washington.....	\$55.87	\$53.22	\$59.05	\$54.50	\$59.65	-8.6
<b>U.S. Total</b> .....	<b>32.34</b>	<b>32.65</b>	<b>32.35</b>	<b>32.49</b>	<b>32.40</b>	<b>.3</b>

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	April - June 1997	January - March 1997	April - June 1996	Year to Date		
				1997	1996	Percent Change
20 Food and kindred products .....	1,668	1,962	1,612	3,631	3,447	5.3
21 Tobacco products .....	127	164	138	291	292	-.2
22 Textile mill products .....	240	266	237	506	548	-7.6
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	14	16	34	34	1.9
26 Paper and allied products .....	3,093	3,386	3,092	6,479	6,469	.2
27 Printing and publishing .....	w	w	w	w	w	w
28 Chemicals, allied products .....	3,149	3,332	3,052	6,480	6,409	1.1
29 Petroleum and coal products <sup>1</sup> .....	1,666	1,639	1,608	3,305	3,431	-3.7
30 Rubber, misc. plastic products .....	41	68	48	109	109	-.1
31 Leather, leather products .....	w	w	w	w	w	w
32 Stone, clay, glass products .....	3,446	2,821	3,395	6,268	6,110	2.6
33 Primary metal industries <sup>2</sup> .....	2,240	1,792	2,092	4,032	3,968	1.6
34 Fabricated metal products .....	52	109	54	161	139	15.6
35 Machinery, except electric .....	56	90	93	146	191	-23.8
36 Electric, electronic equipment .....	w	w	w	w	w	w
37 Transportation equipment .....	177	329	220	507	611	-17.1
38 Instruments, related products .....	w	w	w	w	w	w
39 Misc. manufacturing industries .....	w	w	w	w	w	w
<b>U.S. Total .....</b>	<b>16,176</b>	<b>16,216</b>	<b>15,896</b>	<b>32,392</b>	<b>32,241</b>	<b>.5</b>

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

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

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

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

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

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

SIC Code	April - June 1997	January - March 1997	April - June 1996	Percent Difference April - June: 1997 versus 1996
20 Food and kindred products.....	\$30.63	\$30.04	\$30.69	-0.2
21 Tobacco products.....	45.97	46.16	45.52	1.0
22 Textile mill products .....	47.73	47.36	47.12	1.3
23 Apparel, other textile products.....	w	w	w	w
24 Lumber and wood products .....	w	w	w	w
25 Furniture and fixtures .....	\$51.48	\$50.69	\$51.10	.7
26 Paper and allied products .....	39.67	40.34	39.33	.9
27 Printing and publishing .....	w	w	w	w
28 Chemicals, allied products .....	\$34.87	\$34.22	\$34.22	1.9
29 Petroleum and coal products <sup>1</sup> .....	11.45	12.06	11.50	-4
30 Rubber, misc. plastic products .....	27.63	27.61	31.39	-12.0
31 Leather, leather products .....	w	w	w	w
32 Stone, clay, glass products .....	\$35.64	\$35.54	\$35.63	*
33 Primary metal industries <sup>2</sup> .....	25.93	24.88	26.53	-2.3
34 Fabricated metal products .....	46.24	43.92	44.21	4.6
35 Machinery, except electric .....	37.47	35.63	36.07	3.9
36 Electric, electronic equipment.....	w	w	w	w
37 Transportation equipment.....	\$41.86	\$43.86	\$42.19	-8
38 Instruments, related products .....	w	w	w	w
39 Misc. manufacturing industries .....	w	w	w	w
<b>U.S. Total .....</b>	<b>\$32.34</b>	<b>\$32.65</b>	<b>\$32.39</b>	<b>-2</b>

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

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

\* Rounded to zero.

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

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

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

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

Census Division and State	April - June 1997	January - March 1997	April - June 1996	Year to Date		
				1997	1996	Percent Change
<b>New England Total</b> .....	<b>11</b>	<b>17</b>	<b>11</b>	<b>28</b>	<b>28</b>	<b>0.0</b>
Connecticut .....	w	w	w	w	w	w
Maine .....	w	w	w	w	w	w
Massachusetts .....	w	w	w	w	w	w
New Hampshire .....	w	w	w	w	w	w
Rhode Island .....	w	w	w	w	w	w
Vermont .....	w	w	w	w	w	w
<b>Middle Atlantic Total</b> .....	<b>257</b>	<b>386</b>	<b>257</b>	<b>643</b>	<b>643</b>	<b>.0</b>
New Jersey.....	w	w	w	w	w	w
New York .....	w	w	w	w	w	w
Pennsylvania .....	199	298	199	497	497	.0
<b>East North Central Total</b> .....	<b>315</b>	<b>472</b>	<b>315</b>	<b>787</b>	<b>787</b>	<b>.0</b>
Illinois .....	w	w	w	w	w	w
Indiana.....	71	107	71	178	178	.0
Michigan .....	w	w	w	w	w	w
Ohio.....	131	197	131	328	328	.0
Wisconsin.....	w	w	w	w	w	w
<b>West North Central Total</b> .....	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>
Iowa.....	44	67	44	111	111	.0
Kansas .....	16	23	16	39	39	.0
Minnesota.....	31	47	31	78	78	.0
Missouri .....	w	w	w	w	w	w
Nebraska .....	w	w	w	w	w	w
North Dakota .....	w	w	w	w	w	w
South Dakota .....	w	w	w	w	w	w
<b>South Atlantic Total</b> .....	<b>161</b>	<b>241</b>	<b>161</b>	<b>402</b>	<b>402</b>	<b>.0</b>
Delaware .....	w	w	w	w	w	w
District of Columbia.....	5	7	5	12	12	.0
Florida .....	*	*	*	*	*	.0
Georgia.....	1	1	1	2	2	.0
Maryland .....	w	w	w	w	w	w
North Carolina .....	41	62	41	103	103	.0
South Carolina .....	4	6	4	9	9	.0
Virginia .....	w	w	w	w	w	w
West Virginia.....	w	w	w	w	w	w
<b>East South Central Total</b> .....	<b>54</b>	<b>82</b>	<b>54</b>	<b>136</b>	<b>136</b>	<b>.0</b>
Alabama .....	9	13	9	22	22	.0
Kentucky .....	w	w	w	w	w	w
Mississippi .....	w	w	w	w	w	w
Tennessee.....	w	w	w	w	w	w
<b>West South Central Total</b> .....	<b>*</b>	<b>2</b>	<b>*</b>	<b>2</b>	<b>*</b>	<b>460.7</b>
Arkansas.....	-	-	-	-	-	-
Louisiana.....	w	w	w	w	w	w
Oklahoma.....	w	w	w	w	w	w
Texas .....	-	-	-	-	-	-
<b>Mountain Total</b> .....	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>
Arizona.....	*	*	*	*	*	.0
Colorado.....	3	4	3	7	7	.0
Idaho .....	6	8	6	14	14	.0
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.....	76	114	76	191	191	.0
<b>Pacific Total</b> .....	<b>135</b>	<b>202</b>	<b>135</b>	<b>337</b>	<b>337</b>	<b>.0</b>
Alaska .....	95	142	95	237	237	.0
California .....	35	53	35	89	89	.0
Hawaii .....	-	-	-	-	-	-
Oregon.....	*	*	*	*	*	.0
Washington.....	5	7	5	12	12	.0
<b>U.S. Total</b> .....	<b>1,201</b>	<b>1,803</b>	<b>1,201</b>	<b>3,004</b>	<b>3,003</b>	<b>.1</b>

\* Rounded to zero.

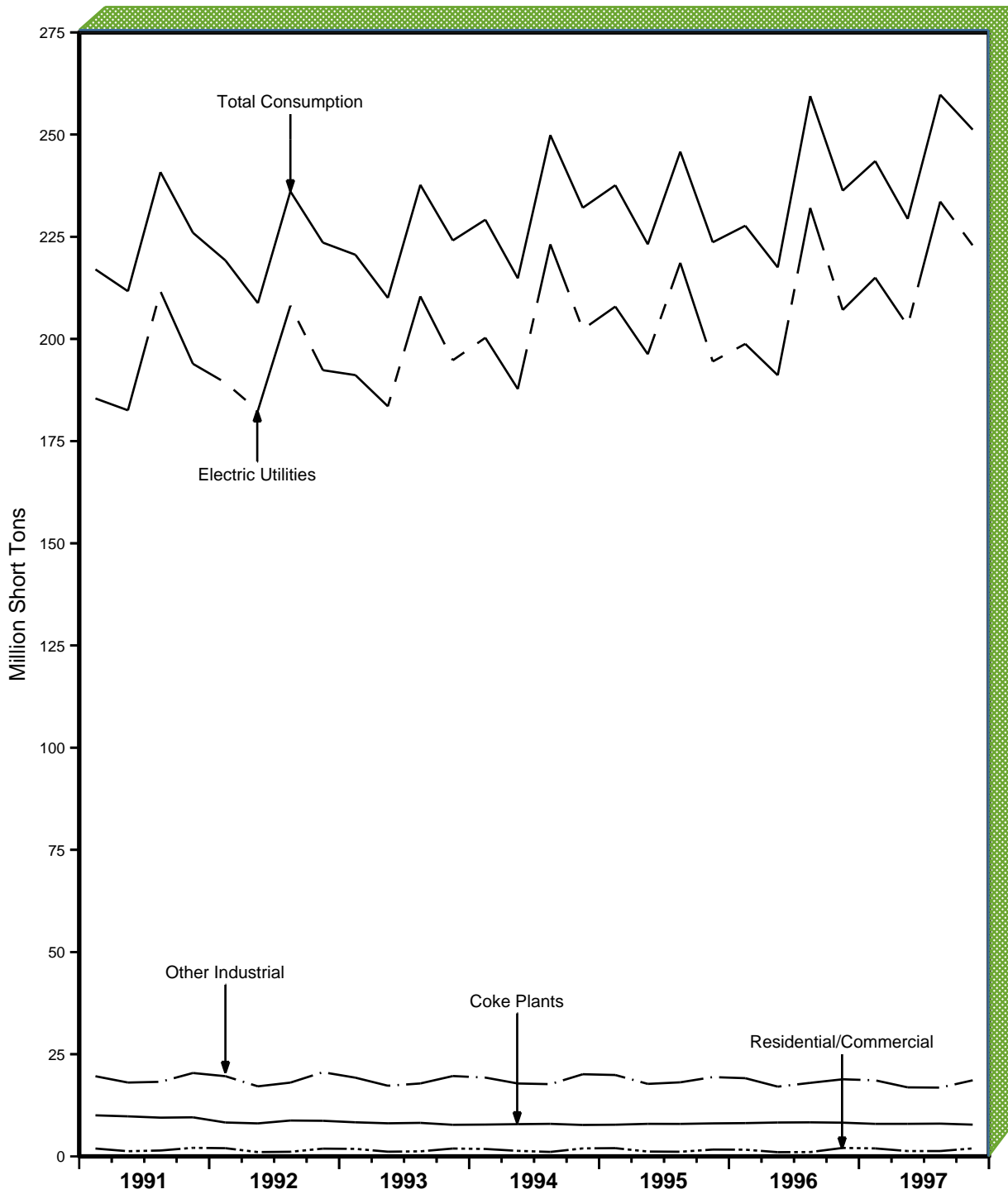
w Withheld to avoid disclosure of individual company data.

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

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

# Consumption

Figure 7. Quarterly U.S. Coal Consumption, 1991-1997



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 1991-1997**  
(Thousand Short Tons)

Year and Quarter	Electric Utilities	Coke Plants	Other Industrial	Residential and Commercial	Total
<b>1991 January - March</b> .....	189,291	8,291	19,618	2,008	219,208
April - June .....	182,488	8,075	17,139	1,055	208,757
July - September .....	208,133	8,777	18,051	1,132	236,093
October - December .....	192,356	8,711	20,596	1,899	223,562
<b>Total</b> .....	<b>772,268</b>	<b>33,854</b>	<b>75,405</b>	<b>6,094</b>	<b>887,621</b>
<b>1992 January - March</b> .....	191,151	8,340	19,260	1,843	220,594
April - June .....	183,507	8,097	17,284	1,149	210,037
July - September .....	210,419	8,200	17,843	1,236	237,698
October - December .....	194,783	7,729	19,656	1,925	224,093
<b>Total</b> .....	<b>779,860</b>	<b>32,366</b>	<b>74,042</b>	<b>6,153</b>	<b>892,421</b>
<b>1993 January - March</b> .....	200,285	7,783	19,281	1,817	229,165
April - June .....	187,746	7,886	17,834	1,354	214,820
July - September .....	223,142	7,960	17,675	1,094	249,872
October - December .....	202,335	7,694	20,102	1,956	232,087
<b>Total</b> .....	<b>813,508</b>	<b>31,323</b>	<b>74,892</b>	<b>6,221</b>	<b>925,944</b>
<b>1994 January - March</b> .....	207,915	7,754	19,911	2,016	237,596
April - June .....	196,254	7,965	17,739	1,187	223,145
July - September .....	218,616	7,945	18,123	1,135	245,820
October - December .....	194,484	8,077	19,405	1,674	223,640
<b>Total</b> .....	<b>817,270</b>	<b>31,740</b>	<b>75,179</b>	<b>6,013</b>	<b>930,201</b>
<b>1995 January - March</b> .....	198,782	8,140	19,135	1,638	227,695
April - June .....	191,107	8,291	17,066	1,032	217,496
July - September .....	232,033	8,330	17,990	1,063	259,415
October - December .....	207,085	8,251	18,864	2,074	236,274
<b>Total</b> .....	<b>829,007</b>	<b>33,011</b>	<b>73,055</b>	<b>5,807</b>	<b>940,880</b>
<b>1996 January - March</b> .....	214,987	7,958	18,612	1,802	243,360
April - June .....	203,210	7,965	16,888	1,201	229,264
July - September .....	233,609	8,016	16,831	1,201	259,657
October - December .....	222,875	7,767	18,610	1,802	251,053
<b>Total</b> .....	<b>874,681</b>	<b>31,706</b>	<b>70,941</b>	<b>6,006</b>	<b>983,334</b>
<b>1997 January - March</b> .....	218,175	7,590	18,246	1,802	245,813
April - June .....	207,350	7,367	17,026	1,201	232,945
<b>Total</b> .....	<b>425,526</b>	<b>14,957</b>	<b>35,273</b>	<b>3,003</b>	<b>478,758</b>

Notes: Consumption data for 1991 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 1991 through 1996, these excluded EIA quarterly estimated consumption data are: 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	April - June 1997	January - March 1997	April - June 1996	Year to Date		
				1997	1996	Percent Change
<b>New England Total</b> .....	<b>1,863</b>	<b>1,949</b>	<b>1,716</b>	<b>3,812</b>	<b>3,452</b>	<b>10.4</b>
Connecticut.....	261	293	236	554	482	15.1
Maine.....	46	57	58	103	112	-8.8
Massachusetts.....	1,133	1,175	1,068	2,309	2,103	9.8
New Hampshire.....	421	423	353	844	752	12.3
Rhode Island.....	1	1	1	2	2	.0
Vermont.....	*	1	*	1	1	.0
<b>Middle Atlantic Total</b> .....	<b>16,603</b>	<b>18,267</b>	<b>16,711</b>	<b>34,870</b>	<b>34,852</b>	<b>.1</b>
New Jersey.....	425	794	453	1,219	1,153	5.7
New York.....	2,614	2,875	2,567	5,489	5,517	-5
Pennsylvania.....	13,564	14,599	13,691	28,162	28,183	-1
<b>East North Central Total</b> .....	<b>54,224</b>	<b>58,898</b>	<b>53,132</b>	<b>113,122</b>	<b>110,621</b>	<b>2.3</b>
Illinois.....	11,148	11,781	10,338	22,928	20,566	11.5
Indiana.....	15,101	16,596	15,045	31,697	31,380	1.0
Michigan.....	8,257	9,002	8,465	17,258	17,760	-2.8
Ohio.....	13,621	15,088	13,940	28,709	29,494	-2.7
Wisconsin.....	6,098	6,432	5,344	12,530	11,421	9.7
<b>West North Central Total</b> .....	<b>30,805</b>	<b>35,090</b>	<b>30,817</b>	<b>65,895</b>	<b>66,745</b>	<b>-1.3</b>
Iowa.....	4,459	5,613	4,780	10,072	10,506	-4.1
Kansas.....	3,614	4,499	4,565	8,113	9,397	-13.7
Minnesota.....	3,991	5,209	4,383	9,200	9,536	-3.5
Missouri.....	8,734	8,755	7,780	17,488	16,503	6.0
Nebraska.....	2,854	2,897	2,129	5,751	4,860	18.3
North Dakota.....	6,537	7,546	6,700	14,083	14,880	-5.4
South Dakota.....	614	573	479	1,187	1,062	11.8
<b>South Atlantic Total</b> .....	<b>40,028</b>	<b>40,157</b>	<b>40,178</b>	<b>80,184</b>	<b>81,069</b>	<b>-1.1</b>
Delaware.....	445	484	431	929	898	3.4
District of Columbia.....	5	7	5	12	12	.0
Florida.....	7,121	6,626	6,685	13,748	13,493	1.9
Georgia.....	7,649	6,964	8,243	14,612	15,331	-4.7
Maryland.....	2,517	2,854	2,702	5,370	5,864	-8.4
North Carolina.....	6,821	6,860	6,149	13,681	12,607	8.5
South Carolina.....	3,114	3,086	3,523	6,201	6,750	-8.1
Virginia.....	3,663	3,828	3,467	7,491	7,378	1.5
West Virginia.....	8,693	9,448	8,974	18,141	18,736	-3.2
<b>East South Central Total</b> .....	<b>26,571</b>	<b>26,851</b>	<b>27,287</b>	<b>53,422</b>	<b>54,850</b>	<b>-2.6</b>
Alabama.....	8,523	8,249	8,887	16,772	17,680	-5.1
Kentucky.....	10,094	10,258	10,371	20,352	21,196	-4.0
Mississippi.....	1,418	1,380	1,485	2,798	2,610	7.2
Tennessee.....	6,536	6,964	6,545	13,501	13,365	1.0
<b>West South Central Total</b> .....	<b>36,257</b>	<b>35,623</b>	<b>34,717</b>	<b>71,880</b>	<b>70,227</b>	<b>2.4</b>
Arkansas.....	3,943	3,461	3,473	7,403	7,099	4.3
Louisiana.....	3,399	3,137	2,731	6,536	5,509	18.6
Oklahoma.....	4,939	5,149	5,121	10,088	10,294	-2.0
Texas.....	23,976	23,877	23,392	47,853	47,325	1.1
<b>Mountain Total</b> .....	<b>24,885</b>	<b>26,899</b>	<b>22,803</b>	<b>51,784</b>	<b>46,831</b>	<b>10.6</b>
Arizona.....	4,155	3,940	3,849	8,095	6,953	16.4
Colorado.....	4,141	4,068	3,919	8,209	8,138	.9
Idaho.....	15	150	23	164	165	-4
Montana.....	1,745	2,231	1,096	3,976	2,764	43.9
Nevada.....	1,477	1,865	1,469	3,342	3,087	8.3
New Mexico.....	3,934	4,033	3,623	7,967	6,754	18.0
Utah.....	3,640	3,907	3,072	7,548	6,633	13.8
Wyoming.....	5,778	6,704	5,752	12,482	12,338	1.2
<b>Pacific Total</b> .....	<b>1,710</b>	<b>2,081</b>	<b>1,904</b>	<b>3,790</b>	<b>3,977</b>	<b>-4.7</b>
Alaska.....	154	213	163	367	384	-4.5
California.....	558	549	568	1,107	1,134	-2.4
Hawaii.....	40	45	39	85	95	-10.9
Oregon.....	*	79	1	79	30	165.5
Washington.....	958	1,194	1,133	2,152	2,333	-7.8
<b>U.S. Total</b> .....	<b>232,945</b>	<b>245,815</b>	<b>229,264</b>	<b>478,760</b>	<b>472,624</b>	<b>1.3</b>

\* Rounded to zero.

Notes: Consumption data for 1991 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 1991 through 1996, these excluded EIA quarterly estimated consumption data are: 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	April - June 1997	January - March 1997	April - June 1996	Year to Date		
				1997	1996	Percent Change
<b>New England Total</b> .....	<b>1,799</b>	<b>1,866</b>	<b>1,638</b>	<b>3,664</b>	<b>3,296</b>	<b>11.2</b>
Connecticut.....	260	291	235	551	479	15.2
Maine.....	-	-	-	-	-	-
Massachusetts.....	1,119	1,154	1,052	2,273	2,069	9.8
New Hampshire.....	420	420	351	840	748	12.3
Rhode Island.....	-	-	-	-	-	-
Vermont.....	-	-	-	-	-	-
<b>Middle Atlantic Total</b> .....	<b>12,133</b>	<b>13,502</b>	<b>12,033</b>	<b>25,636</b>	<b>25,338</b>	<b>1.2</b>
New Jersey.....	421	789	449	1,210	1,146	5.6
New York.....	1,866	2,094	1,828	3,960	3,987	-7
Pennsylvania.....	9,846	10,620	9,755	20,466	20,206	1.3
<b>East North Central Total</b> .....	<b>47,042</b>	<b>51,078</b>	<b>45,862</b>	<b>98,120</b>	<b>95,376</b>	<b>2.9</b>
Illinois.....	9,565	10,109	8,804	19,674	17,434	12.8
Indiana.....	12,324	13,796	12,290	26,120	25,737	1.5
Michigan.....	7,405	7,888	7,407	15,293	15,433	-9
Ohio.....	12,087	13,374	12,441	25,460	26,291	-3.2
Wisconsin.....	5,661	5,911	4,921	11,572	10,480	10.4
<b>West North Central Total</b> .....	<b>27,475</b>	<b>31,403</b>	<b>27,641</b>	<b>58,877</b>	<b>59,668</b>	<b>-1.3</b>
Iowa.....	3,652	4,726	4,013	8,378	8,830	-5.1
Kansas.....	3,566	4,437	4,514	8,004	9,281	-13.8
Minnesota.....	3,631	4,711	3,992	8,342	8,594	-2.9
Missouri.....	8,393	8,384	7,465	16,777	15,849	5.9
Nebraska.....	2,789	2,824	2,075	5,613	4,732	18.6
North Dakota.....	4,922	5,850	5,196	10,772	11,485	-6.2
South Dakota.....	521	470	385	992	897	10.6
<b>South Atlantic Total</b> .....	<b>36,289</b>	<b>36,064</b>	<b>36,247</b>	<b>72,353</b>	<b>72,809</b>	<b>-6</b>
Delaware.....	416	434	405	850	823	3.2
District of Columbia.....	-	-	-	-	-	-
Florida.....	6,782	6,291	6,379	13,073	12,887	1.4
Georgia.....	7,155	6,433	7,767	13,588	14,329	-5.2
Maryland.....	2,313	2,643	2,505	4,956	5,457	-9.2
North Carolina.....	6,243	6,187	5,543	12,430	11,294	10.1
South Carolina.....	2,632	2,557	3,067	5,189	5,732	-9.5
Virginia.....	2,693	2,785	2,509	5,478	5,372	2.0
West Virginia.....	8,055	8,735	8,073	16,790	16,916	-7
<b>East South Central Total</b> .....	<b>23,274</b>	<b>23,409</b>	<b>23,934</b>	<b>46,683</b>	<b>47,960</b>	<b>-2.7</b>
Alabama.....	7,105	6,814	7,438	13,919	14,757	-5.7
Kentucky.....	9,162	9,299	9,441	18,461	19,266	-4.2
Mississippi.....	1,366	1,318	1,423	2,684	2,494	7.6
Tennessee.....	5,640	5,978	5,632	11,618	11,443	1.5
<b>West South Central Total</b> .....	<b>34,865</b>	<b>34,178</b>	<b>33,207</b>	<b>69,043</b>	<b>67,279</b>	<b>2.6</b>
Arkansas.....	3,865	3,371	3,390	7,235	6,925	4.5
Louisiana.....	3,387	3,109	2,709	6,496	5,467	18.8
Oklahoma.....	4,745	4,969	4,931	9,714	9,927	-2.1
Texas.....	22,868	22,730	22,177	45,598	44,960	1.4
<b>Mountain Total</b> .....	<b>23,505</b>	<b>25,409</b>	<b>21,490</b>	<b>48,914</b>	<b>44,085</b>	<b>11.0</b>
Arizona.....	4,005	3,754	3,691	7,759	6,637	16.9
Colorado.....	4,041	3,969	3,832	8,010	7,962	.6
Idaho.....	-	-	-	-	-	-
Montana.....	1,722	2,182	1,078	3,904	2,706	44.3
Nevada.....	1,435	1,822	1,423	3,257	2,999	8.6
New Mexico.....	3,913	4,013	3,601	7,926	6,712	18.1
Utah.....	3,165	3,560	2,648	6,724	5,822	15.5
Wyoming.....	5,225	6,110	5,216	11,335	11,248	.8
<b>Pacific Total</b> .....	<b>969</b>	<b>1,266</b>	<b>1,157</b>	<b>2,235</b>	<b>2,388</b>	<b>-6.4</b>
Alaska.....	58	70	68	128	146	-11.8
California.....	-	-	-	-	-	-
Hawaii.....	-	-	-	-	-	-
Oregon.....	-	50	-	50	-	-
Washington.....	910	1,146	1,089	2,056	2,242	-8.3
<b>U.S. Total</b> .....	<b>207,350</b>	<b>218,175</b>	<b>203,210</b>	<b>425,526</b>	<b>418,198</b>	<b>1.8</b>

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

**Table 40. Change in Electric Utility Net Generation by State and Census Division, April-June 1997, 1996**  
(Million Kilowatthours)

Census Division and State	Total		Coal		Oil		Gas		Hydro		Nuclear	
	Net Change	Percent Change	Net Change	Percent Change	Net Change	Percent Change	Net Change	Percent Change	Net Change	Percent Change	Net Change	Percent Change
<b>New England</b> .....	<b>1,154</b>	<b>7</b>	<b>632</b>	<b>18</b>	<b>-609</b>	<b>-24</b>	<b>-1,096</b>	<b>-39</b>	<b>654</b>	<b>82</b>	<b>1,563</b>	<b>25</b>
Connecticut.....	-2,271	-43	163	36	-197	-21	-424	-71	83	189	-1,922	-61
Maine.....	1,639	246	-	-	-175	-75	-	-	101	23	1,713	-
Massachusetts.....	90	2	303	13	-39	-4	-1,334	-62	163	-207	996	317
New Hampshire.....	530	15	166	23	-193	-71	-81	-100	292	136	346	16
Rhode Island.....	741	25,651	*	-	-3	-100	743	401,889	*	-	-	-
Vermont.....	425	46	-	-	-2	-79	*	-	14	7	430	61
<b>Middle Atlantic</b> .....	<b>2,336</b>	<b>3</b>	<b>1,009</b>	<b>4</b>	<b>-60</b>	<b>-4</b>	<b>-3,115</b>	<b>-43</b>	<b>1,128</b>	<b>20</b>	<b>3,368</b>	<b>12</b>
New Jersey.....	-2,881	-36	-22	-2	17	40	-32	-5	7	-20	-2,851	-45
New York.....	2,758	13	-177	-4	-296	-22	-2,710	-45	836	15	5,098	118
Pennsylvania.....	2,458	6	1,208	5	218	76	-373	-75	285	146	1,121	7
<b>East North Central</b> .....	<b>-526</b>	<b>*</b>	<b>3,384</b>	<b>4</b>	<b>55</b>	<b>14</b>	<b>140</b>	<b>14</b>	<b>-56</b>	<b>-5</b>	<b>-4,071</b>	<b>-12</b>
Illinois.....	-1,008	-3	1,952	13	35	26	145	30	-11	-90	-3,136	-16
Indiana.....	1,098	5	1,104	5	2	5	20	18	-28	-22	-	-
Michigan.....	-861	-4	-1,058	-7	24	19	-48	-23	-18	-7	240	4
Ohio.....	60	*	1,677	6	3	5	2	4	17	25	-1,640	-40
Wisconsin.....	185	2	-292	-3	-9	-30	21	21	-16	-3	466	20
<b>West North Central</b> .....	<b>3,320</b>	<b>6</b>	<b>1,008</b>	<b>2</b>	<b>-31</b>	<b>-12</b>	<b>-34</b>	<b>-4</b>	<b>1,584</b>	<b>61</b>	<b>805</b>	<b>8</b>
Iowa.....	59	1	-245	-4	2	18	3	5	-15	-7	313	41
Kansas.....	642	7	940	15	2	19	36	9	-	-	-337	-13
Minnesota.....	-606	-6	-386	-6	52	56	-64	-35	12	5	-212	-7
Missouri.....	1,253	9	685	6	-87	-78	-54	-27	-449	-53	1,160	92
Nebraska.....	-385	-6	-398	-11	-2	-22	37	97	100	30	-119	-5
North Dakota.....	933	15	392	7	2	18	*	-103	538	162	-	-
South Dakota.....	1,425	109	19	3	*	-16	7	101	1,399	215	-	-
<b>South Atlantic</b> .....	<b>6,041</b>	<b>4</b>	<b>9,272</b>	<b>12</b>	<b>1,057</b>	<b>19</b>	<b>-1,089</b>	<b>-10</b>	<b>1,137</b>	<b>49</b>	<b>-4,337</b>	<b>-10</b>
Delaware.....	19	1	-30	-3	18	12	31	5	-	-	-	-
District of Columbia.....	18	-6,829	-	-	18	-6,829	-	-	-	-	-	-
Florida.....	-2,593	-7	588	4	704	14	-1,153	-11	2	3	-2,735	-33
Georgia.....	-1,278	-5	-387	-2	25	56	51	51	358	43	-1,325	-17
Maryland.....	280	3	399	6	221	339	-10	-5	338	96	-667	-26
North Carolina.....	586	3	1,379	11	-19	-33	53	122	287	51	-1,114	-13
South Carolina.....	1,974	11	1,430	22	3	9	-25	-44	80	25	486	4
Virginia.....	2,464	22	1,324	26	106	527	-26	-9	42	66	1,017	18
West Virginia.....	4,571	28	4,569	29	-18	-27	-11	-71	31	27	-	-
<b>East South Central</b> .....	<b>9,101</b>	<b>13</b>	<b>1,716</b>	<b>3</b>	<b>54</b>	<b>61</b>	<b>-264</b>	<b>-11</b>	<b>1,828</b>	<b>58</b>	<b>5,768</b>	<b>64</b>
Alabama.....	4,075	18	98	1	5	24	70	68	923	75	2,979	70
Kentucky.....	1,711	8	1,590	8	-3	-8	35	263	89	12	-	-
Mississippi.....	2,037	37	489	19	16	279	-374	-16	-	-	1,907	306
Tennessee.....	1,278	7	-462	-3	35	126	5	103	816	69	882	22
<b>West South Central</b> .....	<b>5,810</b>	<b>6</b>	<b>5,820</b>	<b>13</b>	<b>-17</b>	<b>-18</b>	<b>1,235</b>	<b>3</b>	<b>-1,238</b>	<b>-47</b>	<b>11</b>	<b>*</b>
Arkansas.....	1,577	16	1,342	31	-3	-17	402	46	-139	-17	-26	-1
Louisiana.....	-1,843	-11	-696	-15	10	89	-1,458	-18	-	-	300	8
Oklahoma.....	826	7	1,959	32	-7	-61	-427	-10	-699	-60	-	-
Texas.....	5,250	8	3,214	11	-17	-33	2,717	10	-401	-61	-263	-3
<b>Mountain</b> .....	<b>2,353</b>	<b>4</b>	<b>-1,227</b>	<b>-3</b>	<b>-25</b>	<b>-30</b>	<b>187</b>	<b>9</b>	<b>3,049</b>	<b>31</b>	<b>322</b>	<b>5</b>
Arizona.....	1,146	7	-238	-3	-13	-56	97	39	978	47	322	5
Colorado.....	21	*	91	1	-1	-30	24	34	-93	-15	-	-
Idaho.....	401	12	-	-	*	-67	-	-	401	12	-	-
Montana.....	495	9	-842	-34	-6	-59	*	-7	1,343	49	-	-
Nevada.....	184	4	-224	-7	-5	-59	327	39	86	13	-	-
New Mexico.....	369	5	492	9	-1	-10	-115	-13	-7	-8	-	-
Utah.....	-593	-9	-512	-8	*	-4	-147	-85	18	6	-	-
Wyoming.....	331	4	5	*	2	12	1	36	322	158	-	-
<b>Pacific</b> .....	<b>5,640</b>	<b>9</b>	<b>1,146</b>	<b>295</b>	<b>6</b>	<b>35</b>	<b>-451</b>	<b>-7</b>	<b>4,807</b>	<b>10</b>	<b>-59</b>	<b>-1</b>
California.....	-1,801	-6	-	-	6	48	-326	-5	-1,950	-12	291	4
Oregon.....	902	8	-2	38	*	-100	-120	-102	1,024	9	-	-
Washington.....	6,538	28	1,147	292	*	-19	-4	-96	5,732	26	-350	-102
<b>Pacific Noncontiguous</b> .....	<b>118</b>	<b>5</b>	<b>*</b>	<b>1</b>	<b>196</b>	<b>13</b>	<b>12</b>	<b>2</b>	<b>-91</b>	<b>-27</b>	<b>-</b>	<b>-</b>
Alaska.....	-133	-12	*	1	-56	-75	12	2	-90	-28	-	-
Hawaii.....	252	17	-	-	252	17	-	-	*	-8	-	-
<b>Total</b> .....	<b>35,347</b>	<b>5</b>	<b>22,760</b>	<b>6</b>	<b>626</b>	<b>5</b>	<b>-4,476</b>	<b>-6</b>	<b>12,801</b>	<b>16</b>	<b>3,371</b>	<b>2</b>

\* Number less than 0.5 rounded to zero.

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

**Table 41. Coal Carbonized at Coke Plants by Census Division and State**  
(Thousand Short Tons)

Census Division and State	April - June 1997	January - March 1997	April - June 1996	Year to Date		
				1997	1996	Percent Change
<b>New England Total</b> .....	-	-	-	-	-	-
Connecticut.....	-	-	-	-	-	-
Maine.....	-	-	-	-	-	-
Massachusetts.....	-	-	-	-	-	-
New Hampshire.....	-	-	-	-	-	-
Rhode Island.....	-	-	-	-	-	-
Vermont.....	-	-	-	-	-	-
<b>Middle Atlantic Total</b> .....	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>
New Jersey.....	-	-	-	-	-	-
New York.....	w	w	w	w	w	w
Pennsylvania.....	2,437	2,574	2,662	5,012	5,267	-4.9
<b>East North Central Total</b> .....	<b>2,770</b>	<b>2,817</b>	<b>2,840</b>	<b>5,587</b>	<b>5,744</b>	<b>-2.7</b>
Illinois.....	w	w	w	w	w	w
Indiana.....	1,453	1,415	1,444	2,868	2,948	-2.7
Michigan.....	w	w	w	w	w	w
Ohio.....	453	459	455	913	914	-2
Wisconsin.....	-	-	-	-	-	-
<b>West North Central Total</b> .....	-	-	-	-	-	-
Iowa.....	-	-	-	-	-	-
Kansas.....	-	-	-	-	-	-
Minnesota.....	-	-	-	-	-	-
Missouri.....	-	-	-	-	-	-
Nebraska.....	-	-	-	-	-	-
North Dakota.....	-	-	-	-	-	-
South Dakota.....	-	-	-	-	-	-
<b>South Atlantic Total</b> .....	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>
Delaware.....	-	-	-	-	-	-
District of Columbia.....	-	-	-	-	-	-
Florida.....	-	-	-	-	-	-
Georgia.....	-	-	-	-	-	-
Maryland.....	w	w	w	w	w	w
North Carolina.....	-	-	-	-	-	-
South Carolina.....	-	-	-	-	-	-
Virginia.....	w	w	w	w	w	w
West Virginia.....	w	w	w	w	w	w
<b>East South Central Total</b> .....	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>
Alabama.....	780	778	816	1,558	1,629	-4.4
Kentucky.....	w	w	w	w	w	w
Mississippi.....	-	-	-	-	-	-
Tennessee.....	-	-	-	-	-	-
<b>West South Central Total</b> .....	-	-	-	-	-	-
Arkansas.....	-	-	-	-	-	-
Louisiana.....	-	-	-	-	-	-
Oklahoma.....	-	-	-	-	-	-
Texas.....	-	-	-	-	-	-
<b>Mountain Total</b> .....	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>
Arizona.....	-	-	-	-	-	-
Colorado.....	-	-	-	-	-	-
Idaho.....	-	-	-	-	-	-
Montana.....	-	-	-	-	-	-
Nevada.....	-	-	-	-	-	-
New Mexico.....	-	-	-	-	-	-
Utah.....	w	w	w	w	w	w
Wyoming.....	-	-	-	-	-	-
<b>Pacific Total</b> .....	-	-	-	-	-	-
Alaska.....	-	-	-	-	-	-
California.....	-	-	-	-	-	-
Hawaii.....	-	-	-	-	-	-
Oregon.....	-	-	-	-	-	-
Washington.....	-	-	-	-	-	-
<b>By Plant Type</b>						
Merchant Coke Plants.....	986	1,004	1,028	1,991	2,063	-3.5
Furnace Coke Plants.....	6,380	6,586	6,937	12,967	13,861	-6.4
<b>U.S. Total</b> .....	<b>7,367</b>	<b>7,590</b>	<b>7,965</b>	<b>14,957</b>	<b>15,923</b>	<b>-6.1</b>

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

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

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

**Table 42. Coal Consumption at Other Industrial Plants by Census Division and State**  
(Thousand Short Tons)

Census Division and State	April - June 1997	January - March 1997	April - June 1996	Year to Date		
				1997	1996	Percent Change
<b>New England Total</b> .....	<b>53</b>	<b>67</b>	<b>66</b>	<b>120</b>	<b>128</b>	<b>-6.3</b>
Connecticut .....	-	-	-	-	-	-
Maine .....	w	w	w	w	w	w
Massachusetts .....	w	w	w	w	w	w
New Hampshire .....	-	-	-	-	-	-
Rhode Island .....	-	-	-	-	-	-
Vermont .....	-	-	-	-	-	-
<b>Middle Atlantic Total</b> .....	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>
New Jersey.....	w	w	w	w	w	w
New York .....	355	363	357	718	722	-6
Pennsylvania .....	1,081	1,106	1,075	2,187	2,212	-1.1
<b>East North Central Total</b> .....	<b>4,097</b>	<b>4,530</b>	<b>4,115</b>	<b>8,627</b>	<b>8,715</b>	<b>-1.0</b>
Illinois .....	940	1,012	896	1,952	1,842	6.0
Indiana.....	1,252	1,278	1,239	2,531	2,517	.5
Michigan .....	539	694	665	1,232	1,507	-18.2
Ohio.....	950	1,058	913	2,008	1,961	2.4
Wisconsin.....	416	489	402	905	888	1.8
<b>West North Central Total</b> .....	<b>3,168</b>	<b>3,444</b>	<b>3,013</b>	<b>6,612</b>	<b>6,672</b>	<b>-9</b>
Iowa.....	763	820	722	1,583	1,564	1.2
Kansas .....	32	38	35	70	78	-9.5
Minnesota.....	329	451	360	780	864	-9.7
Missouri .....	300	310	274	609	552	10.5
Nebraska .....	w	w	w	w	w	w
North Dakota .....	w	w	w	w	w	w
South Dakota .....	93	102	94	195	164	18.6
<b>South Atlantic Total</b> .....	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>
Delaware .....	w	w	w	w	w	w
District of Columbia.....	-	-	-	-	-	-
Florida .....	339	335	307	674	606	11.2
Georgia.....	493	530	475	1,023	1,000	2.3
Maryland.....	196	198	188	394	387	1.8
North Carolina .....	537	611	565	1,148	1,211	-5.3
South Carolina .....	478	524	452	1,002	1,009	-7
Virginia .....	651	681	638	1,331	1,333	-1
West Virginia.....	403	425	407	828	840	-1.4
<b>East South Central Total</b> .....	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>
Alabama .....	629	643	624	1,272	1,271	.1
Kentucky .....	579	589	569	1,168	1,193	-2.1
Mississippi .....	w	w	w	w	w	w
Tennessee.....	874	954	891	1,827	1,866	-2.1
<b>West South Central Total</b> .....	<b>1,392</b>	<b>1,444</b>	<b>1,509</b>	<b>2,836</b>	<b>2,948</b>	<b>-3.8</b>
Arkansas.....	78	90	83	168	174	-3.2
Louisiana.....	w	w	w	w	w	w
Oklahoma.....	w	w	w	w	w	w
Texas .....	1,108	1,147	1,214	2,255	2,365	-4.7
<b>Mountain Total</b> .....	<b>1,014</b>	<b>1,076</b>	<b>934</b>	<b>2,090</b>	<b>1,943</b>	<b>7.6</b>
Arizona.....	150	187	158	336	317	6.2
Colorado.....	97	95	84	192	169	13.9
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.....	197	66	132	263	226	16.3
Wyoming.....	477	480	460	957	899	6.4
<b>Pacific Total</b> .....	<b>606</b>	<b>612</b>	<b>613</b>	<b>1,218</b>	<b>1,251</b>	<b>-2.6</b>
Alaska .....	w	w	w	w	w	w
California .....	523	496	533	1,019	1,046	-2.6
Hawaii .....	w	w	w	w	w	w
Oregon.....	w	w	w	w	w	w
Washington .....	43	41	40	84	79	6.5
<b>U.S. Total</b> .....	<b>17,026</b>	<b>18,246</b>	<b>16,888</b>	<b>35,273</b>	<b>35,500</b>	<b>-6</b>

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

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

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

**Table 43. U.S. Coal Consumption at Manufacturing Plants by Standard Industrial Classification (SIC) Code**  
(Thousand Short Tons)

SIC Code	April - June 1997	January - March 1997	April - June 1996	Year to Date		
				1997	1996	Percent Change
20 Food and kindred products .....	1,671	2,110	1,523	3,781	3,582	5.6
21 Tobacco products .....	132	162	142	295	306	-3.7
22 Textile mill products .....	245	285	239	531	553	-4.1
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 .....	13	32	12	45	47	-4.6
26 Paper and allied products .....	3,141	3,577	3,154	6,717	6,703	.2
27 Printing and publishing .....	w	w	w	w	w	w
28 Chemicals, allied products .....	3,118	3,372	3,027	6,490	6,481	.1
29 Petroleum and coal products <sup>1</sup> .....	1,661	1,687	1,600	3,348	3,447	-2.9
30 Rubber, misc. plastic products .....	44	61	50	105	114	-8.0
31 Leather, leather products .....	w	w	w	w	w	w
32 Stone, clay, glass products .....	3,324	3,097	3,367	6,420	6,359	1.0
33 Primary metal industries <sup>2</sup> .....	2,114	2,000	2,109	4,114	4,210	-2.3
34 Fabricated metal products .....	62	98	60	160	166	-3.1
35 Machinery, except electric .....	67	154	70	221	231	-4.1
36 Electric, electronic equipment .....	w	w	w	w	w	w
37 Transportation equipment .....	192	330	217	521	623	-16.3
38 Instruments, related products .....	w	w	w	w	w	w
39 Misc. manufacturing industries .....	w	w	w	w	w	w
<b>U.S. Total .....</b>	<b>15,996</b>	<b>17,216</b>	<b>15,792</b>	<b>33,212</b>	<b>33,308</b>	<b>-3</b>

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

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

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

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

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

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

Census Division and State	April - June 1997	January - March 1997	April - June 1996	Year to Date		
				1997	1996	Percent Change
<b>New England Total</b> .....	<b>11</b>	<b>17</b>	<b>11</b>	<b>28</b>	<b>28</b>	<b>0.0</b>
Connecticut.....	w	w	w	w	w	w
Maine.....	w	w	w	w	w	w
Massachusetts.....	w	w	w	w	w	w
New Hampshire.....	w	w	w	w	w	w
Rhode Island.....	w	w	w	w	w	w
Vermont.....	w	w	w	w	w	w
<b>Middle Atlantic Total</b> .....	<b>257</b>	<b>386</b>	<b>257</b>	<b>643</b>	<b>643</b>	<b>.0</b>
New Jersey.....	w	w	w	w	w	w
New York.....	w	w	w	w	w	w
Pennsylvania.....	199	298	199	497	497	.0
<b>East North Central Total</b> .....	<b>315</b>	<b>472</b>	<b>315</b>	<b>787</b>	<b>787</b>	<b>.0</b>
Illinois.....	w	w	w	w	w	w
Indiana.....	71	107	71	178	178	.0
Michigan.....	w	w	w	w	w	w
Ohio.....	131	197	131	328	328	.0
Wisconsin.....	w	w	w	w	w	w
<b>West North Central Total</b> .....	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>
Iowa.....	44	67	44	111	111	.0
Kansas.....	16	23	16	39	39	.0
Minnesota.....	31	47	31	78	78	.0
Missouri.....	w	w	w	w	w	w
Nebraska.....	w	w	w	w	w	w
North Dakota.....	w	w	w	w	w	w
South Dakota.....	w	w	w	w	w	w
<b>South Atlantic Total</b> .....	<b>161</b>	<b>241</b>	<b>161</b>	<b>402</b>	<b>402</b>	<b>.0</b>
Delaware.....	w	w	w	w	w	w
District of Columbia.....	5	7	5	12	12	.0
Florida.....	*	*	*	*	*	.0
Georgia.....	1	1	1	2	2	.0
Maryland.....	w	w	w	w	w	w
North Carolina.....	41	62	41	103	103	.0
South Carolina.....	4	6	4	9	9	.0
Virginia.....	w	w	w	w	w	w
West Virginia.....	w	w	w	w	w	w
<b>East South Central Total</b> .....	<b>54</b>	<b>82</b>	<b>54</b>	<b>136</b>	<b>136</b>	<b>.0</b>
Alabama.....	9	13	9	22	22	.0
Kentucky.....	w	w	w	w	w	w
Mississippi.....	w	w	w	w	w	w
Tennessee.....	w	w	w	w	w	w
<b>West South Central Total</b> .....	<b>*</b>	<b>2</b>	<b>*</b>	<b>2</b>	<b>*</b>	<b>460.7</b>
Arkansas.....	-	-	-	-	-	-
Louisiana.....	w	w	w	w	w	w
Oklahoma.....	w	w	w	w	w	w
Texas.....	-	-	-	-	-	-
<b>Mountain Total</b> .....	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>
Arizona.....	*	*	*	*	*	.0
Colorado.....	3	4	3	7	7	.0
Idaho.....	6	8	6	14	14	.0
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.....	76	114	76	191	191	.0
<b>Pacific Total</b> .....	<b>135</b>	<b>202</b>	<b>135</b>	<b>337</b>	<b>337</b>	<b>.0</b>
Alaska.....	95	142	95	237	237	.0
California.....	35	53	35	89	89	.0
Hawaii.....	w	w	w	w	w	w
Oregon.....	w	w	w	w	w	w
Washington.....	5	7	5	12	12	.0
<b>U.S. Total</b> .....	<b>1,201</b>	<b>1,803</b>	<b>1,201</b>	<b>3,004</b>	<b>3,003</b>	<b>.1</b>

\* Rounded to zero.

w Withheld to avoid disclosure of individual company data.

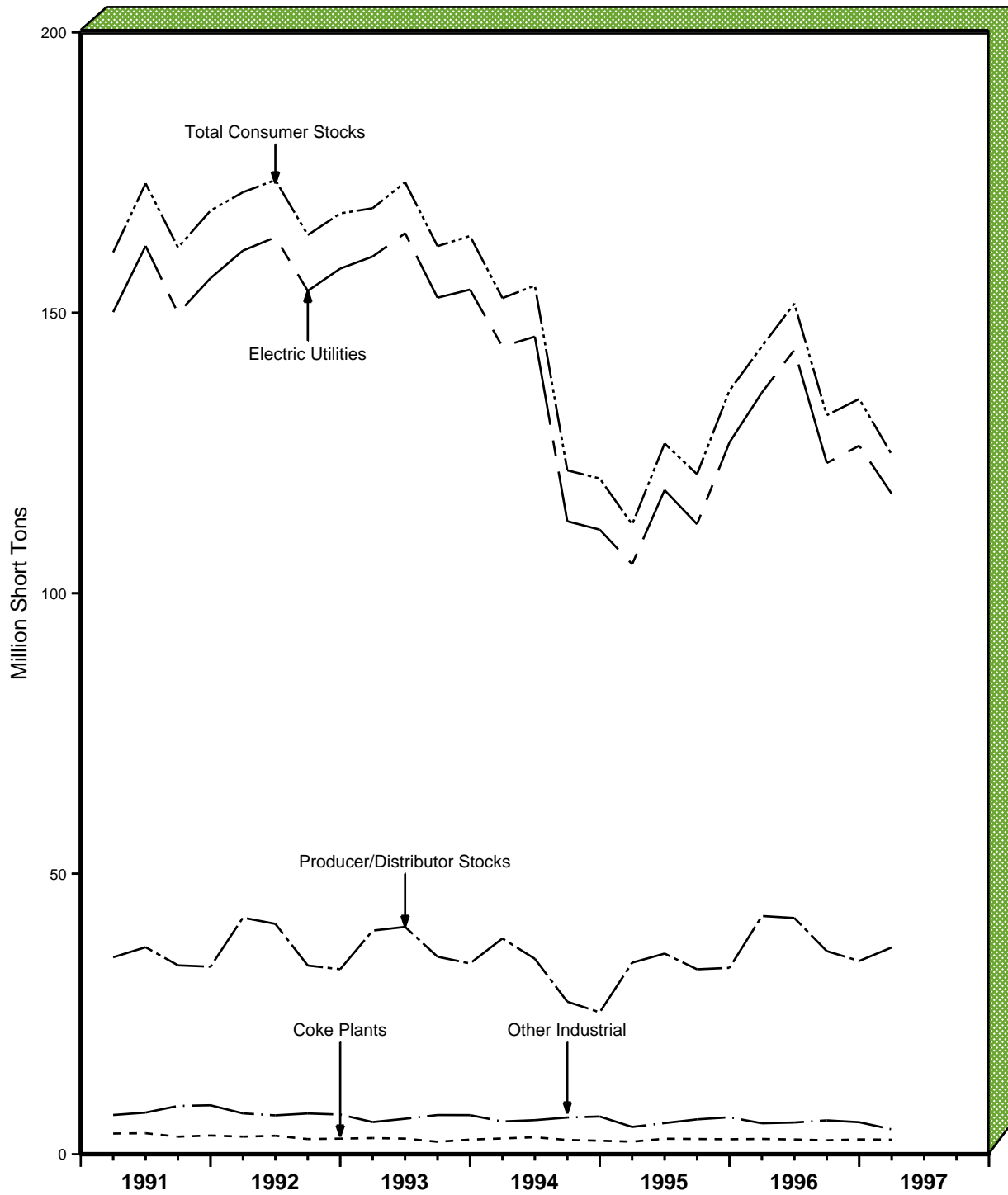
Note: Total may not equal sum of components because of independent rounding.

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



# Stocks

Figure 8. Quarterly U.S. Coal Stocks, 1991-1997



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 45. U.S. Coal Stocks, 1991-1997**  
(Thousand Short Tons)

Last Day of Quarter	Coal Consumers <sup>1</sup>				Coal Producers and Distributors	Total
	Electric Utilities	Coke Plants	Other Industrial <sup>2</sup>	Total		
<b>1991 March 31</b> .....	161,084	3,130	7,271	171,485	42,162	213,647
June 30 .....	163,459	3,283	6,921	173,663	41,054	214,716
September 30 .....	153,907	2,695	7,258	163,860	33,628	197,488
December 31 .....	157,876	2,773	7,061	167,711	32,971	200,682
<b>1992 March 31</b> .....	160,032	2,875	5,725	168,632	39,853	208,485
June 30 .....	164,176	2,776	6,317	173,270	40,513	213,783
September 30 .....	152,685	2,215	6,979	161,878	35,198	197,076
December 31 .....	154,130	2,597	6,965	163,692	33,993	197,685
<b>1993 March 31</b> .....	143,978	2,809	5,831	152,619	38,453	191,072
June 30 .....	145,753	3,020	6,070	154,842	34,827	189,669
September 30 .....	112,833	2,536	6,540	121,909	27,183	149,092
December 31 .....	111,341	2,401	6,716	120,458	25,284	145,742
<b>1994 March 31</b> .....	105,186	2,232	4,859	112,278	34,139	146,417
June 30 .....	118,391	2,759	5,543	126,694	35,758	162,451
September 30 .....	112,314	2,706	6,206	121,225	32,955	154,180
December 31 .....	126,897	2,657	6,585	136,139	33,219	169,358
<b>1995 March 31</b> .....	135,778	2,719	5,507	144,004	42,460	186,463
June 30 .....	143,385	2,624	5,649	151,657	42,104	193,761
September 30 .....	123,227	2,476	6,036	131,739	36,193	167,932
December 31 .....	126,304	2,632	5,702	134,639	34,444	169,083
<b>1996 March 31</b> .....	117,746	2,583	4,431	124,760	36,851	161,611
June 30 .....	127,101	2,601	4,565	134,267	37,344	171,611
September 30 .....	119,480	2,814	5,301	127,595	33,780	161,374
December 31 .....	114,669	2,667	5,688	123,024	28,648	151,673
<b>1997 March 31</b> .....	112,904	2,372	4,570	119,847	37,544	157,390
June 30 .....	121,289	2,050	4,749	128,087	42,529	170,616

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

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

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

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

**Table 46. Consumer Coal Stocks by Census Division and State, June 30, 1997**  
(Thousand Short Tons)

Census Division and State	Electric Utilities	Coke Plants	Other Industrial <sup>1</sup>	Total
<b>New England Total</b> .....	<b>1,170</b>	—	<b>53</b>	<b>1,224</b>
Connecticut.....	170	—	w	w
Maine.....	—	—	w	w
Massachusetts.....	699	—	w	w
New Hampshire.....	302	—	w	w
Rhode Island.....	—	—	w	w
Vermont.....	—	—	w	w
<b>Middle Atlantic Total</b> .....	<b>10,352</b>	w	w	w
New Jersey.....	919	—	w	w
New York.....	765	w	114	w
Pennsylvania.....	8,668	706	197	9,571
<b>East North Central Total</b> .....	<b>30,588</b>	<b>759</b>	<b>1,367</b>	<b>32,714</b>
Illinois.....	6,042	w	243	w
Indiana.....	7,143	464	319	7,926
Michigan.....	6,898	w	455	w
Ohio.....	6,242	66	162	6,470
Wisconsin.....	4,263	—	188	4,452
<b>West North Central Total</b> .....	<b>16,227</b>	—	<b>869</b>	<b>17,095</b>
Iowa.....	3,894	—	374	4,268
Kansas.....	2,973	—	16	2,989
Minnesota.....	1,420	—	182	1,601
Missouri.....	4,317	—	182	4,498
Nebraska.....	1,490	—	w	w
North Dakota.....	1,956	—	w	w
South Dakota.....	177	—	w	w
<b>South Atlantic Total</b> .....	<b>21,699</b>	w	w	w
Delaware.....	334	—	w	w
District of Columbia.....	—	—	—	—
Florida.....	3,579	—	93	3,672
Georgia.....	4,586	—	122	4,708
Maryland.....	1,379	w	26	w
North Carolina.....	3,388	—	138	3,526
South Carolina.....	2,611	—	212	2,823
Virginia.....	1,029	w	131	w
West Virginia.....	4,794	w	127	w
<b>East South Central Total</b> .....	<b>11,090</b>	w	w	w
Alabama.....	4,215	203	169	4,586
Kentucky.....	4,550	w	75	w
Mississippi.....	789	—	w	w
Tennessee.....	1,536	—	231	1,768
<b>West South Central Total</b> .....	<b>16,920</b>	—	<b>335</b>	<b>17,255</b>
Arkansas.....	1,583	—	18	1,601
Louisiana.....	2,316	—	18	2,333
Oklahoma.....	3,715	—	105	3,820
Texas.....	9,307	—	194	9,501
<b>Mountain Total</b> .....	<b>12,278</b>	w	<b>258</b>	w
Arizona.....	2,017	—	35	2,052
Colorado.....	3,043	—	13	3,056
Idaho.....	—	—	109	109
Montana.....	501	—	w	w
Nevada.....	1,275	—	w	w
New Mexico.....	821	—	w	w
Utah.....	2,682	w	4	w
Wyoming.....	1,938	—	81	2,018
<b>Pacific Total</b> .....	<b>965</b>	—	<b>211</b>	<b>1,176</b>
Alaska.....	1	—	—	1
California.....	—	—	125	125
Hawaii.....	—	—	w	w
Oregon.....	297	—	w	w
Washington.....	667	—	23	690
<b>U.S. Total</b> .....	<b>121,289</b>	<b>2,050</b>	<b>4,749</b>	<b>128,087</b>

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

w Withheld to avoid disclosure of individual company data.

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

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

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

Census Division and State	June 30, 1997	March 31, 1997	June 30, 1996	Percent Difference June 30: 1997 versus 1996
<b>New England Total</b> .....	<b>1,170</b>	<b>1,130</b>	<b>1,098</b>	<b>6.6</b>
Connecticut.....	170	99	127	33.2
Maine.....	-	-	-	-
Massachusetts.....	699	646	687	1.6
New Hampshire.....	302	385	283	6.7
Rhode Island .....	-	-	-	-
Vermont.....	-	-	-	-
<b>Middle Atlantic Total</b> .....	<b>10,352</b>	<b>9,684</b>	<b>10,232</b>	<b>1.2</b>
New Jersey .....	919	608	740	24.2
New York.....	765	840	787	-2.7
Pennsylvania.....	8,668	8,236	8,705	-4
<b>East North Central Total</b> .....	<b>30,588</b>	<b>26,317</b>	<b>32,028</b>	<b>-4.5</b>
Illinois.....	6,042	5,188	5,298	14.0
Indiana.....	7,143	5,953	9,404	-24.0
Michigan.....	6,898	6,111	7,362	-6.3
Ohio.....	6,242	5,346	6,252	-2
Wisconsin.....	4,263	3,720	3,712	14.9
<b>West North Central Total</b> .....	<b>16,227</b>	<b>16,307</b>	<b>17,828</b>	<b>-9.0</b>
Iowa.....	3,894	3,441	4,205	-7.4
Kansas .....	2,973	2,937	3,384	-12.2
Minnesota.....	1,420	1,647	1,955	-27.4
Missouri.....	4,317	4,759	4,724	-8.6
Nebraska.....	1,490	1,717	1,604	-7.1
North Dakota.....	1,956	1,666	1,805	8.4
South Dakota.....	177	139	152	17.0
<b>South Atlantic Total</b> .....	<b>21,699</b>	<b>19,417</b>	<b>17,970</b>	<b>20.8</b>
Delaware.....	334	299	282	18.2
District of Columbia .....	-	-	-	-
Florida .....	3,579	3,443	3,359	6.5
Georgia.....	4,586	3,751	3,736	22.8
Maryland .....	1,379	1,290	1,434	-3.8
North Carolina.....	3,388	3,131	2,559	32.4
South Carolina.....	2,611	2,375	1,518	72.0
Virginia.....	1,029	983	1,005	2.4
West Virginia.....	4,794	4,145	4,076	17.6
<b>East South Central Total</b> .....	<b>11,090</b>	<b>8,842</b>	<b>9,420</b>	<b>17.7</b>
Alabama.....	4,215	3,530	3,106	35.7
Kentucky.....	4,550	3,579	4,062	12.0
Mississippi.....	789	686	606	30.2
Tennessee .....	1,536	1,046	1,647	-6.7
<b>West South Central Total</b> .....	<b>16,920</b>	<b>19,146</b>	<b>21,461</b>	<b>-21.2</b>
Arkansas .....	1,583	2,603	2,694	-41.3
Louisiana .....	2,316	2,440	3,002	-22.9
Oklahoma.....	3,715	3,643	3,835	-3.1
Texas.....	9,307	10,459	11,930	-22.0
<b>Mountain Total</b> .....	<b>12,278</b>	<b>11,144</b>	<b>14,964</b>	<b>-18.0</b>
Arizona.....	2,017	1,758	3,563	-43.4
Colorado.....	3,043	2,845	3,347	-9.1
Idaho.....	-	-	-	-
Montana.....	501	564	547	-8.3
Nevada.....	1,275	1,094	1,412	-9.7
New Mexico.....	821	834	812	1.2
Utah.....	2,682	1,969	2,697	-5
Wyoming.....	1,938	2,079	2,587	-25.1
<b>Pacific Total</b> .....	<b>965</b>	<b>918</b>	<b>2,099</b>	<b>-54.0</b>
Alaska.....	1	1	1	.0
California.....	-	-	-	-
Hawaii .....	-	-	-	-
Oregon.....	297	297	399	-25.6
Washington.....	667	620	1,700	-60.7
<b>U.S. Total</b> .....	<b>121,289</b>	<b>112,904</b>	<b>127,101</b>	<b>-4.6</b>

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

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

Census Division and State	June 30, 1997	March 31, 1997	June 30, 1996	Percent Difference June 30: 1997 versus 1996
<b>New England Total</b> .....	-	-	-	-
Connecticut.....	-	-	-	-
Maine.....	-	-	-	-
Massachusetts.....	-	-	-	-
New Hampshire.....	-	-	-	-
Rhode Island.....	-	-	-	-
Vermont.....	-	-	-	-
<b>Middle Atlantic Total</b> .....	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>
New Jersey.....	-	-	-	-
New York.....	w	w	w	w
Pennsylvania.....	706	800	746	-5.4
<b>East North Central Total</b> .....	<b>759</b>	<b>946</b>	<b>1,303</b>	<b>-41.7</b>
Illinois.....	w	w	w	w
Indiana.....	464	488	600	-22.7
Michigan.....	w	w	w	w
Ohio.....	66	77	95	-30.7
Wisconsin.....	-	-	-	-
<b>West North Central Total</b> .....	-	-	-	-
Iowa.....	-	-	-	-
Kansas.....	-	-	-	-
Minnesota.....	-	-	-	-
Missouri.....	-	-	-	-
Nebraska.....	-	-	-	-
North Dakota.....	-	-	-	-
South Dakota.....	-	-	-	-
<b>South Atlantic Total</b> .....	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>
Delaware.....	-	-	-	-
District of Columbia.....	-	-	-	-
Florida.....	-	-	-	-
Georgia.....	-	-	-	-
Maryland.....	w	w	w	w
North Carolina.....	-	-	-	-
South Carolina.....	-	-	-	-
Virginia.....	w	w	w	w
West Virginia.....	w	w	w	w
<b>East South Central Total</b> .....	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>
Alabama.....	203	217	265	-23.7
Kentucky.....	w	w	w	w
Mississippi.....	-	-	-	-
Tennessee.....	-	-	-	-
<b>West South Central Total</b> .....	-	-	-	-
Arkansas.....	-	-	-	-
Louisiana.....	-	-	-	-
Oklahoma.....	-	-	-	-
Texas.....	-	-	-	-
<b>Mountain Total</b> .....	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>
Arizona.....	-	-	-	-
Colorado.....	-	-	-	-
Idaho.....	-	-	-	-
Montana.....	-	-	-	-
Nevada.....	-	-	-	-
New Mexico.....	-	-	-	-
Utah.....	w	w	w	w
Wyoming.....	-	-	-	-
<b>Pacific Total</b> .....	-	-	-	-
Alaska.....	-	-	-	-
California.....	-	-	-	-
Hawaii.....	-	-	-	-
Oregon.....	-	-	-	-
Washington.....	-	-	-	-
<b>By Plant Type</b>				
Merchant Coke Plants.....	235	225	247	-5.0
Furnace Coke Plants.....	1,816	2,147	2,354	-22.9
<b>U.S. Total</b> .....	<b>2,050</b>	<b>2,372</b>	<b>2,601</b>	<b>-21.2</b>

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

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

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

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

Census Division and State	June 30, 1997	March 31, 1997	June 30, 1996	Percent Difference June 30: 1997 versus 1996
<b>New England Total</b> .....	<b>53</b>	<b>42</b>	<b>69</b>	<b>-22.6</b>
Connecticut.....	-	-	-	-
Maine.....	w	w	w	w
Massachusetts.....	w	w	w	w
New Hampshire.....	-	-	-	-
Rhode Island.....	-	-	-	-
Vermont.....	-	-	-	-
<b>Middle Atlantic Total</b> .....	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>
New Jersey.....	w	w	w	w
New York.....	114	105	96	19.5
Pennsylvania.....	197	166	187	4.9
<b>East North Central Total</b> .....	<b>1,367</b>	<b>1,235</b>	<b>1,256</b>	<b>8.9</b>
Illinois.....	243	237	212	14.3
Indiana.....	319	294	267	19.4
Michigan.....	455	378	494	-7.9
Ohio.....	162	170	106	52.9
Wisconsin.....	188	157	176	6.9
<b>West North Central Total</b> .....	<b>869</b>	<b>900</b>	<b>910</b>	<b>-4.6</b>
Iowa.....	374	369	466	-19.8
Kansas.....	16	15	11	51.6
Minnesota.....	182	188	151	20.4
Missouri.....	182	186	136	33.2
Nebraska.....	w	w	w	w
North Dakota.....	w	w	w	w
South Dakota.....	28	18	48	-41.2
<b>South Atlantic Total</b> .....	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>
Delaware.....	w	w	w	w
District of Columbia.....	-	-	-	-
Florida.....	93	90	78	19.6
Georgia.....	122	143	147	-16.6
Maryland.....	26	25	33	-20.4
North Carolina.....	138	152	143	-3.6
South Carolina.....	212	211	147	44.4
Virginia.....	131	136	140	-6.2
West Virginia.....	127	134	100	27.2
<b>East South Central Total</b> .....	<b>w</b>	<b>w</b>	<b>w</b>	<b>w</b>
Alabama.....	169	137	163	3.9
Kentucky.....	75	69	101	-25.1
Mississippi.....	w	w	w	w
Tennessee.....	231	220	200	15.7
<b>West South Central Total</b> .....	<b>335</b>	<b>365</b>	<b>399</b>	<b>-16.2</b>
Arkansas.....	18	20	21	-14.5
Louisiana.....	w	w	w	w
Oklahoma.....	w	w	w	w
Texas.....	194	194	225	-13.6
<b>Mountain Total</b> .....	<b>258</b>	<b>215</b>	<b>216</b>	<b>19.5</b>
Arizona.....	35	34	32	9.5
Colorado.....	13	22	15	-10.8
Idaho.....	w	w	w	w
Montana.....	w	w	w	w
Nevada.....	w	w	w	w
New Mexico.....	w	w	w	w
Utah.....	4	4	2	82.5
Wyoming.....	81	80	73	10.0
<b>Pacific Total</b> .....	<b>211</b>	<b>207</b>	<b>166</b>	<b>27.2</b>
Alaska.....	w	w	w	w
California.....	125	128	110	14.1
Hawaii.....	w	w	w	w
Oregon.....	w	w	w	w
Washington.....	23	20	16	38.7
<b>U.S. Total</b> .....	<b>4,749</b>	<b>4,570</b>	<b>4,565</b>	<b>4.0</b>

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

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

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

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

SIC Code	June 30, 1997	March 31, 1997	June 30, 1996	Percent Difference June 30: 1997 versus 1996
20 Food and kindred products.....	608	591	629	-3.4
21 Tobacco products.....	24	29	28	-16.6
22 Textile mill products.....	87	94	108	-19.5
23 Apparel, other textile products.....	w	w	w	w
24 Lumber and wood products.....	w	w	w	w
25 Furniture and fixtures.....	13	6	10	33.0
26 Paper and allied products.....	853	901	875	-2.5
27 Printing and publishing.....	w	w	w	w
28 Chemicals, allied products.....	869	838	737	18.0
29 Petroleum and coal products <sup>1</sup> .....	71	80	79	-10.3
30 Rubber, misc. plastic products.....	11	14	7	61.1
31 Leather, leather products.....	w	w	w	w
32 Stone, clay, glass products.....	1,401	1,295	1,420	-1.3
33 Primary metal industries <sup>2</sup> .....	638	509	455	40.3
34 Fabricated metal products.....	31	41	30	3.9
35 Machinery, except electric.....	28	33	42	-33.0
36 Electric, electronic equipment.....	w	w	w	w
37 Transportation equipment.....	67	80	78	-14.1
38 Instruments, related products.....	w	w	w	w
39 Misc. manufacturing industries.....	w	w	w	w
<b>U.S. Total.....</b>	<b>4,749</b>	<b>4,570</b>	<b>4,565</b>	<b>4.0</b>

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

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

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

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

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

**Table 51. Coke and Breeze Stocks at Coke Plants**  
(Thousand Short Tons)

	June 30, 1997	March 31, 1997	June 30, 1996	Percent Difference June 30: 1997 versus 1996
<b>Coke Total.....</b>	<b>1,537</b>	<b>1,365</b>	<b>1,173</b>	<b>31.0</b>
<b>By State</b>				
Alabama.....	151	163	111	35.5
Illinois.....	w	w	w	w
Indiana.....	301	272	441	-31.8
Kentucky.....	w	w	w	w
Michigan.....	w	w	w	w
New York.....	w	w	w	w
Ohio.....	56	49	52	6.6
Pennsylvania.....	161	165	268	-39.7
Utah.....	w	w	w	w
Virginia.....	w	w	w	w
West Virginia.....	w	w	w	w
<b>By Plant Type</b>				
Merchant Coke Plants.....	181	190	143	26.5
Furnace Coke Plants.....	1,356	1,175	1,030	31.6
<b>Breeze Total.....</b>	<b>132</b>	<b>144</b>	<b>112</b>	<b>17.9</b>

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

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

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



**Table 52. Coal Stocks at Coal Producers and Distributors by Coal-Producing State**  
(Thousand Short Tons)

Coal-Producing State	June 30, 1997	March 31, 1997	June 30, 1996	Percent Difference June 30: 1997 versus 1996
Alabama.....	1,417	1,528	1,625	-12.8
Alaska.....	10	37	20	-52.2
Arizona.....	2,840	2,848	2,601	9.2
Arkansas.....	3	2	5	-28.8
Colorado.....	1,785	587	866	106.2
Illinois.....	1,905	1,498	2,243	-15.1
Indiana.....	950	690	673	41.1
Kansas.....	14	15	16	-14.7
Kentucky Total.....	7,705	7,285	4,636	66.2
Eastern.....	7,188	6,245	3,596	99.9
Western.....	518	1,040	1,041	-50.3
Louisiana.....	233	297	110	112.1
Maryland.....	180	248	214	-16.1
Missouri.....	*	3	2	-86.3
Montana.....	890	686	776	14.8
New Mexico.....	1,232	1,938	2,886	-57.3
North Dakota.....	1,907	1,723	1,671	14.1
Ohio.....	616	480	959	-35.7
Oklahoma.....	-	-	11	-
Pennsylvania Total.....	3,836	2,561	2,495	53.8
Anthracite.....	290	184	282	2.7
Bituminous.....	3,546	2,377	2,213	60.3
Tennessee.....	60	40	52	14.7
Texas.....	2,073	1,980	1,642	26.2
Utah.....	1,880	1,193	1,067	76.3
Virginia.....	2,657	2,741	4,764	-44.2
Washington.....	*	1	1	-62.2
West Virginia Total.....	8,854	7,738	6,454	37.2
Northern.....	1,464	1,266	1,466	-1
Southern.....	7,390	6,472	4,988	48.2
Wyoming.....	1,481	1,426	1,556	-4.8
<b>Appalachian Total.....</b>	<b>24,808</b>	<b>21,581</b>	<b>20,159</b>	<b>23.1</b>
<b>Interior Total.....</b>	<b>5,695</b>	<b>5,525</b>	<b>5,742</b>	<b>-8</b>
<b>Western Total.....</b>	<b>12,025</b>	<b>10,438</b>	<b>11,442</b>	<b>5.1</b>
<b>East of the Miss. River.....</b>	<b>28,180</b>	<b>24,810</b>	<b>24,116</b>	<b>16.9</b>
<b>West of the Miss. River.....</b>	<b>14,348</b>	<b>12,734</b>	<b>13,228</b>	<b>8.5</b>
<b>U.S. Total.....</b>	<b>42,529</b>	<b>37,544</b>	<b>37,344</b>	<b>13.9</b>

\* Rounded to zero.

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

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

# **Appendix A**

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

## Appendix A

# U.S. Coal Imports

In the second quarter of 1997, U.S. coal imports totaled 1.7 million short tons, a record-high second quarter level and 10 percent higher than the 1.6 million short tons imported in the second quarter of 1996. Colombia remained the leading source of coal imports for the April through June 1997 period, accounting for 51 percent (875 thousand short tons). This was 59 percent more than in the comparable quarter in 1996. Coal imports from Canada, the second leading source, totaled 318 thousand short tons, a 4-percent decrease from the same quarter a year earlier. The third leading source of U.S. coal imports was Venezuela, with 290 thousand short tons, 21 percent less than in the second quarter of 1996.

From January through June 1997, U.S. coal imports reached 3 million short tons, a 7-percent decline from

a year earlier. Coal receipts from Colombia accounted for 45 percent of total coal imports for the first 6 months of 1997. During this period, Colombia was the leading source of coal imports, followed by Indonesia, Canada, and Venezuela. Together, these four countries accounted for 95 percent of total U.S. coal imports. Shipments from Colombia totaled 1.4 million short tons, a 16-percent increase above the same period in 1996, primarily due to higher coal shipments to electric utilities in Massachusetts and Florida.

Receipts of imported coal at electric utilities in the second quarter of 1997 totaled 1.1 million short tons, up 4 percent above the receipts in the second quarter of 1996. This brought total imports by electric utilities for the first 6 months of 1997 to 1.9 million short tons, 13 percent lower than the level for the first 6 months of 1996. This decrease can be attributed primarily to lower imported coal receipts from Venezuela at the Brayton Point and Salem Harbor plants of New England Power, and the Crist and Smith plants of Gulf Power.

Coal imports for the second quarter of 1997 were valued at \$60 million, based on an average price of \$35.26 per short ton. This brought the value of coal imports for the first half of 1997 to \$105 million, based on an average price of \$34.64 per short ton. The average price of coal imports in the first half of 1997 increased 5 percent from the average price in the first half of 1996.

**Table A1. Quantity and Average Price of U.S. Coal Imports, 1991-1997**  
(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
1991.....	938	\$33.71	730	\$34.60	984	\$31.45	738	\$33.16	<b>3,390</b>	<b>\$33.12</b>
1992.....	679	33.63	1,043	32.96	882	34.43	1,199	33.08	<b>3,803</b>	<b>33.46</b>
1993.....	1,213	30.70	1,093	32.26	2,142	29.52	2,861	28.91	<b>7,309</b>	<b>29.89</b>
1994.....	1,850	28.86	1,577	28.73	2,304	30.92	1,853	31.93	<b>7,584</b>	<b>30.21</b>
1995.....	1,795	32.33	1,609	36.16	1,725	33.61	2,071	34.54	<b>7,201</b>	<b>34.13</b>
1996.....	1,713	33.52	1,552	32.46	2,071	33.19	1,790	34.55	<b>7,126</b>	<b>33.45</b>
1997.....	1,331	33.85	1,708	35.26	NA	NA	NA	NA	<b>3,039</b>	<b>34.64</b>

NA Not available.

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

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

**Table A2. Quantity and Average Price of U.S. Coal Imports by Origin, 1991-1997**

(Thousand Short Tons and Dollars per Short Ton)

Year and Quarter	Australia	Canada	Colombia	Indonesia	Malaysia	Venezuela	Other Countries	Total
<b>Quantity</b>								
<b>1991</b> .....	31	935	1,881	7	–	535	*	<b>3,390</b>
<b>1992</b> .....	101	1,021	1,763	253	53	539	72	<b>3,803</b>
<b>1993</b> .....	100	1,051	4,117	708	–	1,298	34	<b>7,309</b>
<b>1994</b> .....	92	1,253	3,390	1,130	–	1,531	188	<b>7,584</b>
<b>1995</b> .....	212	1,320	2,737	1,018	–	1,846	68	<b>7,201</b>
<b>1996</b>								
January - March .....	78	364	629	248	–	394	*	<b>1,713</b>
April - June .....	–	331	551	303	–	367	*	<b>1,552</b>
July - September .....	24	359	804	469	–	411	4	<b>2,071</b>
October - December .....	63	372	542	515	–	292	6	<b>1,790</b>
<b>Total</b> .....	165	1,427	2,527	1,535	–	1,463	10	<b>7,126</b>
<b>1997</b>								
January - March .....	54	181	492	396	–	147	61	<b>1,331</b>
April - June .....	30	318	875	187	–	290	8	<b>1,708</b>
<b>Total</b> .....	84	498	1,367	583	–	437	70	<b>3,039</b>
<b>Average Price</b>								
<b>1991</b> .....	\$37.97	\$25.10	\$32.87	–	–	\$40.87	–	<b>\$32.34</b>
<b>1992</b> .....	36.07	27.88	32.25	\$40.94	\$47.06	35.61	\$25.72	<b>32.48</b>
<b>1993</b> .....	31.56	29.02	27.26	42.70	–	28.87	26.22	<b>29.36</b>
<b>1994</b> .....	30.02	30.61	27.46	33.80	–	32.41	29.33	<b>29.98</b>
<b>1995</b> .....	30.99	32.59	31.15	35.13	–	35.14	46.29	<b>33.11</b>
<b>1996</b>								
January - March .....	33.84	28.55	31.15	39.04	–	33.74	22.68	<b>32.60</b>
April - June .....	–	32.34	30.75	32.83	–	28.06	–	<b>30.76</b>
July - September .....	32.51	34.53	31.55	29.87	–	30.19	33.92	<b>31.23</b>
October - December .....	33.22	37.23	32.13	31.42	–	31.97	34.11	<b>32.66</b>
<b>Total</b> .....	33.41	32.86	31.40	32.45	–	30.97	33.43	<b>31.82</b>
<b>1997</b>								
January - March .....	33.80	26.87	31.98	31.82	–	31.64	–	<b>31.32</b>
April - June .....	34.95	39.87	32.64	36.48	–	33.23	–	<b>34.48</b>
<b>Total</b> .....	34.21	35.30	32.40	33.32	–	32.69	–	<b>33.13</b>

\* Rounded to zero.

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

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

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

Customs District	April - June 1997	January - March 1997	April - June 1996	Year to Date		
				1997	1996	Percent Change
<b>U.S. Total</b> .....	<b>1,707,583</b>	<b>1,331,390</b>	<b>1,552,262</b>	<b>3,038,973</b>	<b>3,265,603</b>	<b>-6.9</b>
<b>Exporting Country: Australia</b>						
Honolulu, HI.....	30,307	54,151	-	84,458	77,842	8.5
<b>Total</b> .....	<b>30,307</b>	<b>54,151</b>	<b>-</b>	<b>84,458</b>	<b>77,842</b>	<b>8.5</b>
<b>Exporting Country: Canada</b>						
Chicago, IL.....	92,757	-	60,793	92,757	148,939	-37.7
Detroit, MI.....	125,882	5,471	92,133	131,353	120,196	9.3
Duluth, MN.....	-	416	57,374	416	144,892	-99.7
Great Falls, MT.....	281	-	25	281	25	NM
Pembina, ND.....	82,918	147,200	108,144	230,118	268,829	-14.4
Ogdensburg, NY.....	-	-	-	-	50	-
Seattle, WA.....	15,724	27,427	12,126	43,151	12,126	255.9
<b>Total</b> .....	<b>317,562</b>	<b>180,514</b>	<b>330,595</b>	<b>498,076</b>	<b>695,057</b>	<b>-28.3</b>
<b>Exporting Country: Colombia</b>						
Mobile, AL.....	34,975	63,890	31,208	98,865	93,116	6.2
Tampa, FL.....	425,655	138,899	289,507	564,554	593,602	-4.9
Boston, MA.....	329,688	199,051	224,744	528,739	415,624	27.2
Portland, ME.....	5,622	28,532	-	34,154	44,624	-23.5
Buffalo, NY.....	-	-	-	-	31	-
New York City, NY.....	39,048	34,101	-	73,149	-	-
Philadelphia, PA.....	-	-	-	-	27,364	-
San Juan, PR.....	39,739	28,014	-	67,753	-	-
Houston-Galveston, TX.....	-	-	6,022	-	6,022	-
<b>Total</b> .....	<b>874,727</b>	<b>492,487</b>	<b>551,481</b>	<b>1,367,214</b>	<b>1,180,383</b>	<b>15.8</b>
<b>Exporting Country: Indonesia</b>						
Honolulu, HI.....	118,674	176,897	120,496	295,571	290,990	1.6
New Orleans, LA.....	68,242	218,809	141,088	287,051	218,248	31.5
Portland, ME.....	-	-	41,888	-	41,888	-
<b>Total</b> .....	<b>186,916</b>	<b>395,706</b>	<b>303,472</b>	<b>582,622</b>	<b>551,126</b>	<b>5.7</b>
<b>Exporting Country: Venezuela</b>						
Mobile, AL.....	-	-	-	-	127,703	-
Savannah, GA.....	43,120	25,800	63,836	68,920	63,836	8.0
Boston, MA.....	67,615	27,828	273,795	95,443	506,811	-81.2
Portland, ME.....	63,636	58,178	28,895	121,814	28,895	321.6
New York City, NY.....	66,459	35,268	-	101,727	-	-
Philadelphia, PA.....	27,226	-	-	27,226	-	-
San Juan, PR.....	21,605	-	-	21,605	33,345	-35.2
<b>Total</b> .....	<b>289,661</b>	<b>147,074</b>	<b>366,526</b>	<b>436,735</b>	<b>760,590</b>	<b>-42.6</b>
<b>Other Exporting Countries</b>						
Los Angeles, CA.....	-	149	-	149	-	-
Miami, FL.....	13	-	-	13	-	-
Honolulu, HI.....	1	-	-	1	-	-
New Orleans, LA.....	-	41,005	-	41,005	-	-
Baltimore, MD.....	-	-	99	-	99	-
Buffalo, NY.....	1,241	1,238	24	2,479	24	NM
New York City, NY.....	-	-	65	-	65	-
Portland, OR.....	6,852	6,589	-	13,441	-	-
Houston-Galveston, TX.....	-	12,124	-	12,124	-	-
Laredo, TX.....	-	353	-	353	417	-15.3
Milwaukee, WI.....	303	-	-	303	-	-
<b>Total</b> .....	<b>8,410</b>	<b>61,458</b>	<b>188</b>	<b>69,868</b>	<b>605</b>	<b>NM</b>

NM Changes of 500 percent or more are not shown.

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

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

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

Customs District	April - June 1997	January - March 1997	April - June 1996	Year to Date		
				1997	1996	Percent Change
<b>Total</b> .....	<b>\$34.48</b>	<b>\$31.32</b>	<b>\$30.76</b>	<b>\$33.13</b>	<b>\$31.74</b>	<b>4.4</b>
<b>Exporting Country: Australia</b>						
Honolulu, HI .....	\$34.95	\$33.80	–	\$34.21	\$33.84	1.1
<b>Total</b> .....	<b>34.95</b>	<b>33.80</b>	–	<b>34.21</b>	<b>33.84</b>	<b>1.1</b>
<b>Exporting Country: Canada</b>						
Chicago, IL .....	\$46.10	–	\$28.67	\$46.10	\$22.38	106.0
Detroit, MI .....	43.98	\$21.66	43.10	43.05	43.11	–1
Duluth, MN .....	–	40.19	–	40.19	48.96	–17.9
Great Falls, MT .....	23.96	–	–	23.96	–	–
Pembina, ND .....	24.03	26.70	23.78	25.86	25.02	3.3
Seattle, WA .....	28.59	28.57	28.18	28.58	28.18	1.4
<b>Total</b> .....	<b>39.87</b>	<b>26.87</b>	<b>32.34</b>	<b>35.30</b>	<b>30.19</b>	<b>16.9</b>
<b>Exporting Country: Colombia</b>						
Mobile, AL .....	\$29.13	\$29.17	\$28.95	\$29.15	\$27.90	4.5
Tampa, FL .....	32.11	31.85	32.13	32.05	32.16	–4
Boston, MA .....	32.71	32.53	29.12	32.64	29.14	12.0
Portland, ME .....	34.31	23.59	–	25.35	33.76	–24.9
New York City, NY .....	37.41	36.84	–	37.14	–	–
Philadelphia, PA .....	–	–	–	–	37.73	–
San Juan, PR .....	35.98	37.78	–	36.72	–	–
Houston-Galveston, TX .....	–	–	34.47	–	34.47	–
<b>Total</b> .....	<b>32.64</b>	<b>31.98</b>	<b>30.75</b>	<b>32.40</b>	<b>30.96</b>	<b>4.7</b>
<b>Exporting Country: Indonesia</b>						
Honolulu, HI .....	\$43.99	\$43.13	\$43.41	\$43.48	\$43.42	0.1
New Orleans, LA .....	23.41	22.68	20.81	22.86	23.83	–4.1
Portland, ME .....	–	–	42.91	–	42.91	–
<b>Total</b> .....	<b>36.48</b>	<b>31.82</b>	<b>32.83</b>	<b>33.32</b>	<b>35.62</b>	<b>–6.5</b>
<b>Exporting Country: Venezuela</b>						
Mobile, AL .....	–	–	–	–	\$40.79	–
Savannah, GA .....	\$20.39	\$20.39	\$23.41	\$20.39	23.41	–12.9
Boston, MA .....	34.82	32.95	29.62	34.27	29.80	15.0
Portland, ME .....	33.88	33.06	23.59	33.49	23.59	42.0
New York City, NY .....	37.42	36.48	–	37.09	–	–
Philadelphia, PA .....	38.63	–	–	38.63	–	–
San Juan, PR .....	32.30	–	–	32.30	32.89	–1.8
<b>Total</b> .....	<b>33.23</b>	<b>31.64</b>	<b>28.06</b>	<b>32.69</b>	<b>31.01</b>	<b>5.4</b>
<b>Other Exporting Countries</b>						
Laredo, TX .....	–	–	–	–	\$22.68	–
<b>Total</b> .....	–	–	–	–	<b>22.68</b>	–

Notes: Total may not equal sum of components because of independent rounding. Average price is based on the customs import value. Beginning in 1989, the average prices presented in this table are representative prices for coal imports that fall within the range of \$20 and \$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	April - June 1997	January - March 1997	April - June 1996	Year to Date		
				1997	1996	Percent Change
<b>U.S. Total</b> .....	<b>1,138,848</b>	<b>723,948</b>	<b>1,095,795</b>	<b>1,862,796</b>	<b>2,148,229</b>	<b>-13.3</b>
<b>Exporting Country: Canada</b>						
Takoma Dept. of Public Utilities, Steam No.2 .....	-	4,370	11,530	4,370	11,530	-62.1
<b>Total</b> .....	<b>-</b>	<b>4,370</b>	<b>11,530</b>	<b>4,370</b>	<b>11,530</b>	<b>-62.1</b>
<b>Exporting Country: Colombia</b>						
Jacksonville Electric Authority, St Johns River .....	425,690	138,920	231,470	564,610	535,570	5.4
New England Power (NEES), Brayton Point.....	159,300	112,100	124,800	271,400	228,900	18.6
New England Power (NEES), Salem Harbor.....	153,900	85,600	43,900	239,500	131,900	81.6
Public Serv Co of New Hampshire, Schiller .....	-	-	-	-	32,325	-
<b>Total</b> .....	<b>738,890</b>	<b>336,620</b>	<b>400,170</b>	<b>1,075,510</b>	<b>928,695</b>	<b>15.8</b>
<b>Exporting Country: Indonesia</b>						
Tampa Electric, Davant Transfer.....	68,241	218,807	141,078	287,048	218,237	31.5
<b>Total</b> .....	<b>68,241</b>	<b>218,807</b>	<b>141,078</b>	<b>287,048</b>	<b>218,237</b>	<b>31.5</b>
<b>Exporting Country: Venezuela</b>						
Central Hudson Gas & Electric, Danskammer .....	88,350	69,400	-	157,750	-	-
Gulf Power, Crist.....	-	-	62,100	-	205,950	-
Gulf Power, Smith.....	-	-	9,250	-	92,250	-
New England Power (NEES), Brayton Point.....	83,900	27,800	242,100	111,700	282,800	-60.5
New England Power (NEES), Salem Harbor.....	-	-	126,700	-	277,600	-
Public Serv Co of New Hampshire, Schiller .....	98,887	28,532	-	127,419	-	-
Savannah Electric and Power, Port Wentworth .....	60,580	38,419	102,867	98,999	131,167	-24.5
<b>Total</b> .....	<b>331,717</b>	<b>164,151</b>	<b>543,017</b>	<b>495,868</b>	<b>989,767</b>	<b>-49.9</b>

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

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

**Table A6. Cost and Quality of Imported Coal Received at Electric Utility Plants by Origin, 1991-1997**

Exporting Country and Time Period	Quantity (thousand short tons)	Average Quality <sup>1</sup>			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
<b>Company and Plant: Baltimore Gas and Electric, Brandon Shores</b>						
<b>Colombia</b>						
1993.....	224.0	12,354	0.64	6.32	149.8	37.02
1994.....	88.0	12,379	.66	7.36	147.3	36.46
<b>Company and Plant: Cajun Electric Power Coop, Big Cajun No. 2</b>						
<b>Indonesia</b>						
1994.....	169.2	9,702	0.10	1.20	166.8	32.36
<b>Company and Plant: Carolina Power and Light, Sutton</b>						
<b>Colombia</b>						
1994.....	26.6	12,200	0.70	9.00	145.5	35.50
<b>Company and Plant: Central Hudson Gas &amp; Electric, Danskammer</b>						
<b>Venezuela</b>						
1995.....	28.2	13,281	0.56	7.30	224.1	59.53
1997						
January - March.....	69.4	13,181	.66	6.35	174.9	46.11
April - June.....	88.3	13,416	.64	5.45	174.0	46.69
<b>Total</b> .....	<b>157.7</b>	<b>13,313</b>	<b>.65</b>	<b>5.85</b>	<b>174.4</b>	<b>46.44</b>
<b>Company and Plant: Central Power and Light (CSW), Coletto Creek</b>						
<b>Colombia</b>						
1992.....	37.2	12,892	0.62	7.90	174.5	44.99
1993.....	122.5	12,109	.60	5.90	148.5	35.98
1994.....	153.4	11,929	.55	5.03	148.9	35.51
<b>Venezuela</b>						
1992.....	42.5	13,214	.66	7.20	175.8	46.46
<b>Company and Plant: Delmarva Power &amp; Light, Edgemoor</b>						
<b>Colombia</b>						
1994.....	22.0	12,370	0.58	5.98	168.2	41.61
<b>Company and Plant: Delmarva Power and Light, Indian River</b>						
<b>Colombia</b>						
1995.....	7.1	13,141	0.75	7.07	180.3	47.39
<b>Company and Plant: Detroit Edison Co, River Rouge</b>						
<b>Canada</b>						
1994.....	57.0	11,005	0.23	10.28	149.9	32.99
<b>Company and Plant: Florida Power Corp, IMT Transfer</b>						
<b>Venezuela</b>						
1994.....	84.4	12,778	0.64	6.50	156.3	39.93
<b>Company and Plant: Gulf Power, Crist</b>						
<b>Colombia</b>						
1993.....	280.2	11,983	0.59	5.53	188.5	45.18
1994.....	29.8	12,239	.59	5.30	160.9	39.38

See footnotes at the end of Table A6.



**Table A6. Cost and Quality of Imported Coal Received at Electric Utility Plants by Origin, 1991-1997 (Continued)**

Exporting Country and Time Period	Quantity (thousand short tons)	Average Quality <sup>1</sup>			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
<b>Company and Plant: Gulf Power, Crist</b>						
<b>Venezuela</b>						
1993.....	234.8	12,992	0.59	6.11	172.2	44.75
1994.....	283.4	12,252	1.03	6.28	216.9	53.15
1995.....	776.7	12,363	.92	6.29	230.9	57.09
<b>1996</b>						
January - March.....	143.8	12,242	.94	6.06	231.6	56.70
April - June.....	62.1	12,181	.98	5.52	228.2	55.60
<b>Total.....</b>	<b>205.9</b>	<b>12,224</b>	<b>.95</b>	<b>5.90</b>	<b>230.6</b>	<b>56.37</b>
<b>Company and Plant: Gulf Power, Scholtz</b>						
<b>Colombia</b>						
1993.....	7.5	12,170	0.62	7.50	164.4	40.01
<b>Venezuela</b>						
1993.....	16.0	12,958	.58	6.10	170.6	44.20
<b>Company and Plant: Gulf Power, Smith</b>						
<b>Colombia</b>						
1993.....	198.2	11,823	0.61	5.96	184.6	43.65
1994.....	286.6	12,299	.61	4.17	172.3	42.39
<b>South Africa</b>						
1994.....	127.3	11,318	.65	12.60	181.1	41.00
<b>Venezuela</b>						
1994.....	53.8	12,272	.96	6.52	229.1	56.24
1995.....	114.6	12,202	1.00	6.52	236.1	57.63
<b>1996</b>						
January - March.....	83.0	12,193	.96	5.98	234.9	57.28
April - June.....	9.3	11,978	1.26	6.50	232.8	55.77
<b>Total.....</b>	<b>92.2</b>	<b>12,171</b>	<b>.99</b>	<b>6.03</b>	<b>234.7</b>	<b>57.13</b>
<b>Company and Plant: Holyoke Water Power (NU), Mount Tom</b>						
<b>Indonesia</b>						
1994.....	7.9	12,651	0.43	3.30	195.4	49.44
<b>Company and Plant: Jacksonville Electric Authority, St Johns River</b>						
<b>Colombia</b>						
1991.....	1,582.6	11,978	0.73	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.....	1,340.6	11,826	.67	7.52	151.5	35.82
<b>1996</b>						
January - March.....	304.1	11,824	.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
<b>Total.....</b>	<b>1,417.2</b>	<b>11,810</b>	<b>.66</b>	<b>7.71</b>	<b>152.9</b>	<b>36.11</b>
<b>1997</b>						
January - March.....	138.9	11,813	.70	7.30	152.0	35.91
April - June.....	425.7	11,809	.72	7.49	151.4	35.76
<b>Total.....</b>	<b>564.6</b>	<b>11,810</b>	<b>.71</b>	<b>7.44</b>	<b>151.5</b>	<b>35.79</b>
<b>Venezuela</b>						
1991.....	42.2	12,913	.56	8.90	126.9	32.77

See footnotes at the end of Table A6.

**Table A6. Cost and Quality of Imported Coal Received at Electric Utility Plants by Origin, 1991-1997 (Continued)**

Exporting Country and Time Period	Quantity (thousand short tons)	Average Quality <sup>1</sup>			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
<b>Company and Plant: Mississippi Power (Southern Co), Daniel</b>						
<b>Indonesia</b>						
1993.....	67.5	9,745	0.08	1.23	168.9	32.92
<b>Company and Plant: New England Power (NEES), Brayton Point</b>						
<b>Colombia</b>						
1993.....	187.2	12,144	0.64	5.42	178.5	43.35
1994.....	51.3	12,131	.65	5.60	172.2	41.78
1995.....	307.8	12,218	.60	5.22	164.6	40.23
<b>1996</b>						
January - March.....	104.1	11,740	.64	5.45	156.7	36.80
April - June.....	124.8	12,138	.58	5.50	172.2	41.80
July - September.....	101.9	12,095	.55	5.59	168.0	40.63
October - December.....	96.7	12,063	.58	5.57	174.1	42.02
<b>Total.....</b>	<b>427.5</b>	<b>12,014</b>	<b>.59</b>	<b>5.52</b>	<b>168.0</b>	<b>40.35</b>
<b>1997</b>						
January - March.....	112.1	12,030	.63	6.04	179.7	43.25
April - June.....	159.3	12,190	.64	6.16	154.6	37.68
<b>Total.....</b>	<b>271.4</b>	<b>12,124</b>	<b>.63</b>	<b>6.11</b>	<b>164.9</b>	<b>39.98</b>
<b>Venezuela</b>						
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.....	510.6	12,788	.69	7.03	160.0	40.92
<b>1996</b>						
January - March.....	40.7	12,958	.75	7.30	158.6	41.11
April - June.....	242.1	12,800	.67	6.31	154.9	39.65
July - September.....	188.3	13,128	.64	5.85	173.4	45.52
October - December.....	101.3	12,901	.67	6.64	160.8	41.49
<b>Total.....</b>	<b>572.4</b>	<b>12,937</b>	<b>.67</b>	<b>6.29</b>	<b>162.4</b>	<b>42.01</b>
<b>1997</b>						
January - March.....	27.8	12,705	.75	8.48	162.2	41.21
April - June.....	83.9	13,136	.72	6.23	163.6	42.98
<b>Total.....</b>	<b>111.7</b>	<b>13,028</b>	<b>.73</b>	<b>6.79</b>	<b>163.3</b>	<b>42.54</b>
<b>Company and Plant: New England Power (NEES), Salem Harbor</b>						
<b>Canada</b>						
1992.....	32.8	13,569	1.40	3.82	174.9	47.46
<b>Colombia</b>						
1994.....	84.2	12,017	.57	6.07	159.9	38.44
1995.....	250.1	12,166	.60	5.26	147.9	35.99
<b>1996</b>						
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
<b>Total.....</b>	<b>202.9</b>	<b>12,069</b>	<b>.57</b>	<b>5.77</b>	<b>148.6</b>	<b>35.86</b>
<b>1997</b>						
January - March.....	85.6	12,121	.72	6.69	176.8	42.85
April - June.....	153.9	12,078	.62	6.21	151.7	36.63
<b>Total.....</b>	<b>239.5</b>	<b>12,093</b>	<b>.65</b>	<b>6.38</b>	<b>160.7</b>	<b>38.86</b>
<b>Venezuela</b>						
1992.....	34.8	12,893	.58	7.02	145.3	37.47
1993.....	236.2	12,921	.57	6.65	162.5	41.99
1994.....	565.5	12,678	.64	6.49	159.6	40.47
1995.....	393.1	12,846	.65	6.34	162.4	41.72
<b>1996</b>						
January - March.....	150.9	12,856	.72	6.25	153.4	39.43
April - June.....	126.7	12,784	.71	6.02	169.3	43.29
July - September.....	137.1	13,027	.69	5.98	154.2	40.17

See footnotes at the end of Table A6.

**Table A6. Cost and Quality of Imported Coal Received at Electric Utility Plants by Origin, 1991-1997 (Continued)**

Exporting Country and Time Period	Quantity (thousand short tons)	Average Quality <sup>1</sup>			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
<b>Company and Plant: New England Power (NEES), Salem Harbor</b>						
<b>Venezuela</b>						
1996						
October - December .....	148.4	12,732	0.66	6.38	147.1	37.45
<b>Total</b> .....	<b>563.1</b>	<b>12,849</b>	<b>.70</b>	<b>6.17</b>	<b>155.5</b>	<b>39.96</b>
<b>Company and Plant: Ohio Edison, Burger Plant</b>						
<b>Indonesia</b>						
1992 .....	13.1	9,587	0.14	1.20	166.9	32.00
<b>Company and Plant: Public Serv Co of Indiana, Gallagher</b>						
<b>Indonesia</b>						
1993 .....	11.1	9,242	0.13	1.35	104.8	19.38
<b>Company and Plant: Public Serv Co of New Hampshire, Merrimack</b>						
<b>Colombia</b>						
1995 .....	11.5	11,578	0.53	3.80	192.9	44.67
<b>Indonesia</b>						
1993 .....	21.2	12,620	.49	3.80	186.5	47.07
<b>Venezuela</b>						
1993 .....	24.9	12,920	.58	6.00	163.2	42.17
1996						
October - December .....	39.9	12,370	.39	3.70	213.2	52.75
<b>Total</b> .....	<b>39.9</b>	<b>12,370</b>	<b>.39</b>	<b>3.70</b>	<b>213.2</b>	<b>52.75</b>
<b>Company and Plant: Public Serv Co of New Hampshire, Schiller</b>						
<b>Colombia</b>						
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 .....	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
<b>Total</b> .....	<b>32.3</b>	<b>12,169</b>	<b>.66</b>	<b>5.68</b>	<b>161.9</b>	<b>39.41</b>
<b>Indonesia</b>						
1993 .....	16.0	12,620	.49	3.80	161.3	40.71
1994 .....	113.0	12,360	.53	3.58	158.7	39.23
1995 .....	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
<b>Total</b> .....	<b>25.9</b>	<b>12,412</b>	<b>.72</b>	<b>8.20</b>	<b>161.9</b>	<b>40.19</b>
<b>Venezuela</b>						
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 .....	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
<b>Total</b> .....	<b>56.1</b>	<b>13,061</b>	<b>.67</b>	<b>6.04</b>	<b>159.8</b>	<b>41.75</b>
1997						
January - March .....	28.5	11,669	.88	7.90	160.0	37.34
April - June .....	98.9	12,707	.66	5.50	161.9	41.15
<b>Total</b> .....	<b>127.4</b>	<b>12,475</b>	<b>.71</b>	<b>6.04</b>	<b>161.5</b>	<b>40.29</b>

See footnotes at the end of Table A6.

**Table A6. Cost and Quality of Imported Coal Received at Electric Utility Plants by Origin, 1991-1997 (Continued)**

Exporting Country and Time Period	Quantity (thousand short tons)	Average Quality <sup>1</sup>			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
<b>Company and Plant: Public Serv Electric &amp; Gas-NJ, Hudson</b>						
<b>Colombia</b>						
1994.....	22.5	12,870	0.68	6.90	166.9	42.96
<b>Company and Plant: Savannah Electric and Power, Port Wentworth</b>						
<b>Colombia</b>						
1994.....	11.9	11,235	0.69	5.87	214.1	48.12
<b>Venezuela</b>						
1994.....	16.8	12,575	1.12	8.60	168.0	42.25
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
<b>Total</b> .....	<b>209.9</b>	<b>12,143</b>	<b>1.08</b>	<b>6.71</b>	<b>152.8</b>	<b>37.11</b>
1997						
January - March.....	38.4	11,867	1.60	8.20	136.6	32.42
April - June.....	60.6	11,867	1.58	8.20	138.1	32.79
<b>Total</b> .....	<b>99.0</b>	<b>11,867</b>	<b>1.59</b>	<b>8.20</b>	<b>137.5</b>	<b>32.64</b>
<b>Company and Plant: Takoma Dept. of Public Utilities, Steam No.2</b>						
<b>Canada</b>						
1991.....	26.9	9,994	0.46	12.76	209.2	41.82
1992.....	15.3	9,993	.42	12.95	214.7	42.90
1993.....	29.2	10,036	.48	12.60	179.5	36.03
1994.....	6.3	9,806	.48	12.80	178.0	34.91
1995.....	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
<b>Total</b> .....	<b>18.0</b>	<b>9,861</b>	<b>.44</b>	<b>12.97</b>	<b>174.6</b>	<b>34.44</b>
1997						
January - March.....	4.4	9,979	.36	12.97	176.0	35.13
<b>Total</b> .....	<b>4.4</b>	<b>9,979</b>	<b>.36</b>	<b>12.97</b>	<b>176.0</b>	<b>35.13</b>
<b>Company and Plant: Tampa Electric, Big Bend<sup>2</sup></b>						
<b>Indonesia</b>						
1991.....	24.3	9,815	0.07	1.20	227.3	44.62
<b>Company and Plant: Tampa Electric, Davant Transfer</b>						
<b>Colombia</b>						
1993.....	222.2	10,844	0.62	7.63	166.6	36.13
<b>Indonesia</b>						
1994.....	147.2	9,871	.09	1.10	143.0	28.24
1995.....	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
<b>Total</b> .....	<b>807.8</b>	<b>9,655</b>	<b>.29</b>	<b>1.48</b>	<b>149.7</b>	<b>28.91</b>
1997						
January - March.....	218.8	9,482	.37	1.67	161.3	30.59
April - June.....	68.2	9,521	.32	1.50	163.3	31.10
<b>Total</b> .....	<b>287.0</b>	<b>9,492</b>	<b>.36</b>	<b>1.63</b>	<b>161.8</b>	<b>30.71</b>
<b>Venezuela</b>						
1993.....	61.4	11,056	1.48	9.78	220.7	48.80

See footnotes at the end of Table A6.

**Table A6. Cost and Quality of Imported Coal Received at Electric Utility Plants by Origin, 1991-1997 (Continued)**

Exporting Country and Time Period	Quantity (thousand short tons)	Average Quality <sup>1</sup>			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
<b>Company and Plant: United Illuminating Co, Bridgeport Harbor</b>						
<b>Venezuela</b>						
<b>1996</b>						
October - December .....	28.0	13,174	0.61	4.10	185.0	48.74
<b>Total .....</b>	<b>28.0</b>	<b>13,174</b>	<b>.61</b>	<b>4.10</b>	<b>185.0</b>	<b>48.74</b>
<b>Total of U.S. Electric Utility Plants</b>						
<b>Canada</b>						
<b>1991</b> .....	26.9	9,994	0.46	12.76	209.2	41.82
<b>1992</b> .....	48.1	12,432	1.09	6.72	185.1	46.01
<b>1993</b> .....	29.2	10,036	.48	12.60	179.5	36.03
<b>1994</b> .....	63.3	10,885	.26	10.53	152.4	33.19
<b>1995</b> .....	23.8	10,066	.47	13.14	166.0	33.42
<b>1996</b>						
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
<b>Total .....</b>	<b>18.0</b>	<b>9,861</b>	<b>.44</b>	<b>12.97</b>	<b>174.6</b>	<b>34.44</b>
<b>1997</b>						
January - March .....	4.4	9,979	.36	12.97	176.0	35.13
<b>Total .....</b>	<b>4.4</b>	<b>9,979</b>	<b>.36</b>	<b>12.97</b>	<b>176.0</b>	<b>35.13</b>
<b>Colombia</b>						
<b>1991</b> .....	1,582.6	11,978	.73	7.04	153.1	36.68
<b>1992</b> .....	1,504.1	11,938	.70	6.91	150.9	36.04
<b>1993</b> .....	3,585.1	11,867	.66	6.85	149.0	35.37
<b>1994</b> .....	2,971.8	11,997	.66	6.76	142.7	34.25
<b>1995</b> .....	2,040.1	11,985	.65	6.83	153.9	36.89
<b>1996</b>						
January - March .....	528.5	11,882	.63	6.67	153.4	36.46
April - June .....	400.2	11,936	.61	6.84	158.7	37.88
July - September .....	712.2	11,859	.64	7.53	155.0	36.75
October - December .....	439.0	11,873	.66	6.87	157.1	37.30
<b>Total .....</b>	<b>2,079.9</b>	<b>11,883</b>	<b>.64</b>	<b>7.04</b>	<b>155.7</b>	<b>37.01</b>
<b>1997</b>						
January - March .....	336.6	11,964	.68	6.72	167.7	40.12
April - June .....	738.9	11,947	.68	6.94	152.1	36.35
<b>Total .....</b>	<b>1,075.5</b>	<b>11,952</b>	<b>.68</b>	<b>6.87</b>	<b>157.0</b>	<b>37.53</b>
<b>Indonesia</b>						
<b>1991</b> .....	24.3	9,815	.07	1.20	227.3	44.62
<b>1992</b> .....	13.1	9,587	.14	1.20	166.9	32.00
<b>1993</b> .....	115.8	10,620	.22	2.07	166.1	35.29
<b>1994</b> .....	437.3	10,499	.22	1.82	157.4	33.06
<b>1995</b> .....	428.6	10,181	.35	1.79	149.2	30.37
<b>1996</b>						
January - March .....	77.2	9,813	.11	1.30	149.7	29.38
April - June .....	141.1	9,737	.44	1.40	149.7	29.15
July - September .....	291.3	9,516	.17	1.48	149.7	28.49
October - December .....	324.2	9,928	.42	2.08	150.9	29.97
<b>Total .....</b>	<b>833.7</b>	<b>9,741</b>	<b>.31</b>	<b>1.68</b>	<b>150.2</b>	<b>29.26</b>
<b>1997</b>						
January - March .....	218.8	9,482	.37	1.67	161.3	30.59
April - June .....	68.2	9,521	.32	1.50	163.3	31.10
<b>Total .....</b>	<b>287.0</b>	<b>9,492</b>	<b>.36</b>	<b>1.63</b>	<b>161.8</b>	<b>30.71</b>
<b>South Africa</b>						
<b>1994</b> .....	127.3	11,318	.65	12.60	181.1	41.00
<b>Venezuela</b>						
<b>1991</b> .....	333.0	13,080	.59	6.54	166.2	43.47
<b>1992</b> .....	240.6	13,206	.69	7.18	164.6	43.49
<b>1993</b> .....	897.5	12,874	.67	6.96	166.4	42.84
<b>1994</b> .....	1,355.2	12,649	.76	6.61	172.3	43.60
<b>1995</b> .....	1,905.7	12,610	.79	6.57	194.1	48.95

See footnotes at the end of Table A6.

**Table A6. Cost and Quality of Imported Coal Received at Electric Utility Plants by Origin, 1991-1997 (Continued)**

Exporting Country and Time Period	Quantity (thousand short tons)	Average Quality <sup>1</sup>			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
<b>Total of U.S. Electric Utility Plants</b>						
<b>Venezuela</b>						
<b>1996</b>						
January - March.....	446.7	12,509	0.86	6.21	195.8	48.98
April - June.....	543.0	12,621	.78	5.99	165.2	41.69
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
<b>Total.....</b>	<b>1,767.6</b>	<b>12,686</b>	<b>.77</b>	<b>6.14</b>	<b>171.7</b>	<b>43.58</b>
<b>1997</b>						
January - March.....	164.2	12,530	.93	7.41	161.8	40.55
April - June.....	331.7	12,851	.84	6.16	161.7	41.56
<b>Total.....</b>	<b>495.9</b>	<b>12,745</b>	<b>.87</b>	<b>6.58</b>	<b>161.7</b>	<b>41.23</b>

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

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

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

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

**Table A7. Cost and Quality of All Coal Received at Electric Utility Plants that Import Coal by Origin, 1991-1997**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality <sup>1</sup>			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
<b>Company and Plant: Baltimore Gas and Electric, Brandon Shores</b>						
<b>1991</b>						
Kentucky .....	279.0	13,031	0.65	7.36	156.5	40.78
West Virginia .....	2,033.0	12,783	.70	9.45	155.1	39.66
<b>Total .....</b>	<b>2,312.0</b>	<b>12,813</b>	<b>.70</b>	<b>9.20</b>	<b>155.3</b>	<b>39.80</b>
<b>1992</b>						
Kentucky .....	215.0	12,922	.73	7.38	154.9	40.04
West Virginia .....	2,318.0	12,692	.68	9.92	153.4	38.93
<b>Total .....</b>	<b>2,533.0</b>	<b>12,711</b>	<b>.68</b>	<b>9.70</b>	<b>153.5</b>	<b>39.03</b>
<b>1993</b>						
Kentucky .....	841.0	12,940	.70	7.64	158.0	40.89
West Virginia .....	1,583.0	12,700	.67	9.65	154.4	39.21
Colombia .....	224.0	12,354	.64	6.32	149.8	37.02
<b>Total .....</b>	<b>2,648.0</b>	<b>12,747</b>	<b>.68</b>	<b>8.73</b>	<b>155.2</b>	<b>39.56</b>
<b>1994</b>						
Kentucky .....	664.0	12,992	.72	7.72	156.5	40.66
Virginia .....	1.0	12,354	.74	9.30	147.2	36.37
West Virginia .....	2,728.0	12,496	.67	10.90	148.9	37.21
Colombia .....	88.0	12,379	.66	7.36	147.3	36.46
<b>Total .....</b>	<b>3,481.0</b>	<b>12,587</b>	<b>.68</b>	<b>10.20</b>	<b>150.3</b>	<b>37.85</b>
<b>1995</b>						
Kentucky .....	667.0	13,241	.73	6.41	152.5	40.39
West Virginia .....	2,787.0	12,457	.68	11.05	146.2	36.42
<b>Total .....</b>	<b>3,454.0</b>	<b>12,608</b>	<b>.69</b>	<b>10.15</b>	<b>147.5</b>	<b>37.19</b>
<b>1996</b>						
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
<b>Total .....</b>	<b>3,865.0</b>	<b>12,539</b>	<b>.69</b>	<b>10.66</b>	<b>143.6</b>	<b>36.02</b>
<b>1997</b>						
January - March						
Kentucky .....	95.0	13,053	.74	6.60	147.7	38.56
West Virginia .....	602.0	12,517	.67	11.47	142.1	35.57
<b>Total .....</b>	<b>697.0</b>	<b>12,590</b>	<b>.68</b>	<b>10.81</b>	<b>142.9</b>	<b>35.98</b>
April - June						
Kentucky .....	136.0	13,062	.75	6.71	148.3	38.73
West Virginia .....	825.0	12,483	.67	11.26	142.2	35.49
<b>Total .....</b>	<b>961.0</b>	<b>12,565</b>	<b>.69</b>	<b>10.62</b>	<b>143.1</b>	<b>35.95</b>
<b>Year to Date</b>						
Kentucky .....	231.0	13,058	.75	6.66	148.0	38.66
West Virginia .....	1,427.0	12,497	.67	11.35	142.1	35.53
<b>Total .....</b>	<b>1,658.0</b>	<b>12,575</b>	<b>.68</b>	<b>10.70</b>	<b>143.0</b>	<b>35.96</b>
<b>Company and Plant: Cajun Electric Power Coop, Big Cajun No. 2</b>						
<b>1991</b>						
West Virginia .....	152.5	13,180	0.60	6.15	158.6	41.80
Wyoming .....	5,059.3	8,451	.41	5.20	152.8	25.82
<b>Total .....</b>	<b>5,211.8</b>	<b>8,590</b>	<b>.42</b>	<b>5.23</b>	<b>153.0</b>	<b>26.29</b>
<b>1992</b>						
Wyoming .....	5,343.7	8,368	.46	5.30	147.5	24.69
<b>Total .....</b>	<b>5,343.7</b>	<b>8,368</b>	<b>.46</b>	<b>5.30</b>	<b>147.5</b>	<b>24.69</b>
<b>1993</b>						
Wyoming .....	5,701.1	8,332	.43	5.27	151.9	25.31
<b>Total .....</b>	<b>5,701.1</b>	<b>8,332</b>	<b>.43</b>	<b>5.27</b>	<b>151.9</b>	<b>25.31</b>
<b>1994</b>						
Colorado .....	37.4	11,957	.45	8.01	156.4	37.40
Wyoming .....	5,588.0	8,442	.36	4.93	152.2	25.70
Indonesia .....	169.2	9,702	.10	1.20	166.8	32.36
<b>Total .....</b>	<b>5,794.6</b>	<b>8,502</b>	<b>.35</b>	<b>4.84</b>	<b>152.8</b>	<b>25.97</b>
<b>1995</b>						
Wyoming .....	5,844.5	8,469	.35	4.99	157.6	26.69
<b>Total .....</b>	<b>5,844.5</b>	<b>8,469</b>	<b>.35</b>	<b>4.99</b>	<b>157.6</b>	<b>26.69</b>
<b>1996</b>						
Wyoming .....	5,394.2	8,500	.41	5.18	161.1	27.38
<b>Total .....</b>	<b>5,394.2</b>	<b>8,500</b>	<b>.41</b>	<b>5.18</b>	<b>161.1</b>	<b>27.38</b>
<b>1997</b>						
January - March						
Wyoming .....	1,409.0	8,486	.44	5.30	166.8	28.30
<b>Total .....</b>	<b>1,409.0</b>	<b>8,486</b>	<b>.44</b>	<b>5.30</b>	<b>166.8</b>	<b>28.30</b>

See footnotes at the end of Table A7.

**Table A7. Cost and Quality of All Coal Received at Electric Utility Plants that Import Coal by Origin, 1991-1997 (Continued)**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality <sup>1</sup>			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
<b>Company and Plant: Cajun Electric Power Coop, Big Cajun No. 2</b>						
<b>1997</b>						
April - June						
Wyoming .....	1,541.5	8,464	0.45	5.26	152.9	25.89
<b>Total .....</b>	<b>1,541.5</b>	<b>8,464</b>	<b>.45</b>	<b>5.26</b>	<b>152.9</b>	<b>25.89</b>
<b>Year to Date</b>						
Wyoming .....	2,950.5	8,474	.45	5.28	159.5	27.04
<b>Total .....</b>	<b>2,950.5</b>	<b>8,474</b>	<b>.45</b>	<b>5.28</b>	<b>159.5</b>	<b>27.04</b>
<b>Company and Plant: Carolina Power and Light, Sutton</b>						
<b>1991</b>						
Kentucky .....	141.8	12,770	1.00	9.02	192.4	49.13
West Virginia .....	338.2	12,403	.96	12.76	179.4	44.51
<b>Total .....</b>	<b>480.0</b>	<b>12,512</b>	<b>.98</b>	<b>11.65</b>	<b>183.3</b>	<b>45.87</b>
<b>1992</b>						
Kentucky .....	434.3	12,498	.94	9.57	152.9	38.22
West Virginia .....	332.4	12,354	.90	11.40	157.9	39.02
<b>Total .....</b>	<b>766.7</b>	<b>12,436</b>	<b>.93</b>	<b>10.36</b>	<b>155.1</b>	<b>38.57</b>
<b>1993</b>						
Kentucky .....	542.1	12,601	1.00	9.14	157.9	39.79
Virginia .....	44.9	12,693	1.13	10.10	177.5	45.06
West Virginia .....	36.5	12,301	.77	10.12	177.3	43.61
<b>Total .....</b>	<b>623.5</b>	<b>12,590</b>	<b>1.00</b>	<b>9.27</b>	<b>160.4</b>	<b>40.39</b>
<b>1994</b>						
Kentucky .....	373.4	12,646	1.12	9.29	159.5	40.34
Virginia .....	10.0	12,866	1.09	9.06	174.2	44.81
West Virginia .....	161.7	12,458	.88	11.77	170.7	42.54
Colombia .....	26.6	12,200	.70	9.00	145.5	35.50
<b>Total .....</b>	<b>571.7</b>	<b>12,576</b>	<b>1.03</b>	<b>9.97</b>	<b>162.3</b>	<b>40.82</b>
<b>1995</b>						
Kentucky .....	495.6	12,584	1.00	9.14	150.7	37.93
West Virginia .....	132.3	12,703	.91	9.82	164.4	41.78
<b>Total .....</b>	<b>627.9</b>	<b>12,609</b>	<b>.98</b>	<b>9.29</b>	<b>153.6</b>	<b>38.74</b>
<b>1996</b>						
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
<b>Total .....</b>	<b>1,058.5</b>	<b>12,343</b>	<b>1.00</b>	<b>10.53</b>	<b>153.1</b>	<b>37.80</b>
<b>1997</b>						
January - March						
Kentucky .....	115.0	12,129	.99	11.96	149.9	36.36
West Virginia .....	62.5	12,810	.94	10.03	172.0	44.06
<b>Total .....</b>	<b>177.5</b>	<b>12,369</b>	<b>.97</b>	<b>11.28</b>	<b>157.9</b>	<b>39.07</b>
April - June						
Kentucky .....	208.1	12,403	1.11	10.67	147.0	36.47
West Virginia .....	8.4	12,647	.91	12.50	173.2	43.81
<b>Total .....</b>	<b>216.5</b>	<b>12,412</b>	<b>1.10</b>	<b>10.75</b>	<b>148.1</b>	<b>36.75</b>
<b>Year to Date</b>						
Kentucky .....	323.1	12,305	1.06	11.13	148.0	36.43
West Virginia .....	70.9	12,791	.93	10.32	172.1	44.03
<b>Total .....</b>	<b>394.0</b>	<b>12,393</b>	<b>1.04</b>	<b>10.99</b>	<b>152.5</b>	<b>37.80</b>
<b>Company and Plant: Central Hudson Gas &amp; Electric, Danskammer</b>						
<b>1991</b>						
Kentucky .....	375.7	13,223	0.54	7.50	205.8	54.41
West Virginia .....	498.3	12,889	.60	8.32	203.9	52.57
<b>Total .....</b>	<b>874.0</b>	<b>13,032</b>	<b>.57</b>	<b>7.97</b>	<b>204.7</b>	<b>53.36</b>
<b>1992</b>						
Kentucky .....	61.5	12,983	.64	6.62	185.4	48.13
West Virginia .....	819.9	13,021	.59	7.56	181.8	47.35
<b>Total .....</b>	<b>881.4</b>	<b>13,018</b>	<b>.59</b>	<b>7.50</b>	<b>182.1</b>	<b>47.40</b>
<b>1993</b>						
West Virginia .....	693.0	13,097	.62	7.55	184.7	48.38
<b>Total .....</b>	<b>693.0</b>	<b>13,097</b>	<b>.62</b>	<b>7.55</b>	<b>184.7</b>	<b>48.38</b>
<b>1994</b>						
Kentucky .....	348.6	12,963	.58	7.93	188.7	48.93
West Virginia .....	419.7	13,185	.66	7.54	192.5	50.76
<b>Total .....</b>	<b>768.2</b>	<b>13,084</b>	<b>.62</b>	<b>7.72</b>	<b>190.8</b>	<b>49.93</b>

See footnotes at the end of Table A7.



**Table A7. Cost and Quality of All Coal Received at Electric Utility Plants that Import Coal by Origin, 1991-1997 (Continued)**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality <sup>1</sup>			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
<b>Company and Plant: Central Hudson Gas &amp; Electric, Danskammer</b>						
<b>1995</b>						
Kentucky .....	308.8	12,859	0.59	8.29	193.4	49.74
West Virginia.....	292.5	13,112	.67	7.87	198.7	52.11
Venezuela.....	28.2	13,281	.56	7.30	224.1	59.53
<b>Total .....</b>	<b>629.5</b>	<b>12,995</b>	<b>.62</b>	<b>8.05</b>	<b>197.3</b>	<b>51.28</b>
<b>1996</b>						
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
<b>Total .....</b>	<b>813.8</b>	<b>12,925</b>	<b>.66</b>	<b>8.25</b>	<b>196.4</b>	<b>50.77</b>
<b>1997</b>						
January - March						
Kentucky.....	21.2	12,845	.59	8.79	191.0	49.07
West Virginia .....	104.7	13,203	.62	7.52	180.9	47.78
Venezuela.....	69.4	13,181	.66	6.35	174.9	46.11
<b>Total .....</b>	<b>195.3</b>	<b>13,156</b>	<b>.63</b>	<b>7.24</b>	<b>179.9</b>	<b>47.32</b>
April - June						
West Virginia .....	82.1	13,254	.60	8.02	174.0	46.11
Venezuela .....	88.3	13,416	.64	5.45	174.0	46.69
<b>Total .....</b>	<b>170.4</b>	<b>13,338</b>	<b>.62</b>	<b>6.69</b>	<b>174.0</b>	<b>46.41</b>
<b>Year to Date</b>						
Kentucky.....	21.2	12,845	.59	8.79	191.0	49.07
West Virginia .....	186.8	13,225	.61	7.74	177.9	47.05
Venezuela .....	157.7	13,313	.65	5.85	174.4	46.44
<b>Total .....</b>	<b>365.7</b>	<b>13,241</b>	<b>.63</b>	<b>6.98</b>	<b>177.1</b>	<b>46.90</b>
<b>Company and Plant: Central Power and Light (CSW), Coletto Creek</b>						
<b>1991</b>						
Colorado.....	1,733.6	10,753	0.38	5.99	207.6	44.64
<b>Total .....</b>	<b>1,733.6</b>	<b>10,753</b>	<b>.38</b>	<b>5.99</b>	<b>207.6</b>	<b>44.64</b>
<b>1992</b>						
Colorado.....	1,780.7	10,885	.39	6.32	205.0	44.63
Colombia.....	37.2	12,892	.62	7.90	174.5	44.99
Venezuela.....	42.5	13,214	.66	7.20	175.8	46.46
<b>Total .....</b>	<b>1,860.4</b>	<b>10,978</b>	<b>.40</b>	<b>6.37</b>	<b>203.5</b>	<b>44.68</b>
<b>1993</b>						
Colorado.....	1,778.0	10,577	.40	6.61	203.1	42.96
Colombia.....	122.5	12,109	.60	5.90	148.5	35.98
<b>Total .....</b>	<b>1,900.5</b>	<b>10,676</b>	<b>.41</b>	<b>6.56</b>	<b>199.1</b>	<b>42.51</b>
<b>1994</b>						
Colorado.....	1,664.9	10,760	.41	6.77	199.7	42.98
Colombia.....	153.4	11,929	.55	5.03	148.9	35.51
<b>Total .....</b>	<b>1,818.3</b>	<b>10,858</b>	<b>.42</b>	<b>6.63</b>	<b>195.0</b>	<b>42.35</b>
<b>1995</b>						
Colorado.....	1,724.7	11,092	.42	6.92	169.2	37.53
Wyoming.....	119.4	8,764	.34	5.20	163.5	28.66
<b>Total .....</b>	<b>1,844.1</b>	<b>10,941</b>	<b>.41</b>	<b>6.81</b>	<b>168.9</b>	<b>36.95</b>
<b>1996</b>						
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
<b>Total .....</b>	<b>2,011.6</b>	<b>10,296</b>	<b>.38</b>	<b>5.77</b>	<b>134.5</b>	<b>27.70</b>
<b>1997</b>						
January - March						
Colorado .....	332.5	10,406	.36	5.66	132.4	27.55
Wyoming .....	25.6	8,768	.50	5.10	129.0	22.62
<b>Total .....</b>	<b>358.2</b>	<b>10,289</b>	<b>.37</b>	<b>5.62</b>	<b>132.2</b>	<b>27.20</b>
April - June						
Colorado .....	281.9	10,353	.38	6.00	129.2	26.74
Wyoming .....	226.7	8,707	.47	5.12	135.0	23.50
<b>Total .....</b>	<b>508.7</b>	<b>9,619</b>	<b>.42</b>	<b>5.61</b>	<b>131.5</b>	<b>25.30</b>
<b>Year to Date</b>						
Colorado .....	614.4	10,382	.37	5.81	130.9	27.18
Wyoming .....	252.4	8,713	.47	5.12	134.4	23.41
<b>Total .....</b>	<b>866.8</b>	<b>9,896</b>	<b>.40</b>	<b>5.61</b>	<b>131.8</b>	<b>26.08</b>

See footnotes at the end of Table A7.

**Table A7. Cost and Quality of All Coal Received at Electric Utility Plants that Import Coal by Origin, 1991-1997 (Continued)**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality <sup>1</sup>			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
<b>Company and Plant: Delmarva Power &amp; Light, Edgemoor</b>						
<b>1991</b>						
Kentucky .....	52.0	12,821	0.84	8.53	174.3	44.69
Virginia .....	38.1	13,465	.87	7.79	196.7	52.97
West Virginia.....	416.4	13,272	.80	7.83	184.4	48.94
<b>Total .....</b>	<b>506.4</b>	<b>13,240</b>	<b>.81</b>	<b>7.90</b>	<b>184.3</b>	<b>48.81</b>
<b>1992</b>						
Virginia .....	90.2	13,101	.82	8.68	201.3	52.74
West Virginia.....	463.8	13,101	.79	8.64	180.0	47.16
<b>Total .....</b>	<b>554.0</b>	<b>13,101</b>	<b>.80</b>	<b>8.65</b>	<b>183.4</b>	<b>48.06</b>
<b>1993</b>						
Virginia .....	192.3	13,209	.86	8.00	200.3	52.90
West Virginia.....	250.2	13,171	.81	8.63	178.0	46.88
<b>Total .....</b>	<b>442.5</b>	<b>13,188</b>	<b>.83</b>	<b>8.36</b>	<b>187.7</b>	<b>49.50</b>
<b>1994</b>						
Kentucky .....	7.0	12,991	.57	6.53	165.3	42.95
Maryland.....	13.3	13,070	.74	6.23	168.2	43.97
Virginia .....	28.6	12,995	.88	8.72	164.7	42.80
West Virginia.....	604.3	13,074	.79	8.74	157.9	41.29
Colombia.....	22.0	12,370	.58	5.98	168.2	41.61
<b>Total .....</b>	<b>675.2</b>	<b>13,046</b>	<b>.78</b>	<b>8.58</b>	<b>158.8</b>	<b>41.44</b>
<b>1995</b>						
Maryland.....	37.9	12,867	.76	9.73	161.6	41.59
Pennsylvania.....	.6	12,431	.82	10.42	154.7	38.46
West Virginia.....	432.6	12,988	.78	9.04	162.9	42.31
<b>Total .....</b>	<b>471.1</b>	<b>12,978</b>	<b>.78</b>	<b>9.10</b>	<b>162.8</b>	<b>42.25</b>
<b>1996</b>						
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
<b>Total .....</b>	<b>502.0</b>	<b>12,886</b>	<b>.76</b>	<b>9.69</b>	<b>160.2</b>	<b>41.29</b>
<b>1997</b>						
January - March						
Pennsylvania.....	2.2	10,533	.62	11.40	150.1	31.62
Virginia .....	24.9	12,960	.88	9.84	162.3	42.08
West Virginia.....	126.0	12,698	.73	10.78	163.5	41.53
<b>Total .....</b>	<b>153.1</b>	<b>12,710</b>	<b>.75</b>	<b>10.63</b>	<b>163.2</b>	<b>41.48</b>
April - June						
Pennsylvania.....	5.2	10,839	.45	9.60	151.5	32.83
Virginia .....	50.7	13,258	.88	8.52	155.9	41.34
West Virginia.....	41.2	12,820	.78	9.77	160.0	41.02
<b>Total .....</b>	<b>97.1</b>	<b>12,942</b>	<b>.81</b>	<b>9.11</b>	<b>157.4</b>	<b>40.75</b>
<b>Year to Date</b>						
Pennsylvania.....	7.4	10,749	.50	10.13	151.1	32.48
Virginia .....	75.6	13,160	.88	8.96	158.0	41.58
West Virginia.....	167.3	12,728	.74	10.53	162.7	41.41
<b>Total .....</b>	<b>250.2</b>	<b>12,800</b>	<b>.78</b>	<b>10.04</b>	<b>160.9</b>	<b>41.20</b>
<b>Company and Plant: Delmarva Power and Light, Indian River</b>						
<b>1991</b>						
Maryland.....	15.1	13,150	1.59	10.50	141.0	37.08
Pennsylvania.....	389.5	12,999	1.43	9.21	167.3	43.49
Virginia .....	61.0	13,029	1.23	8.82	204.5	53.28
West Virginia.....	1,030.5	12,981	.84	8.80	178.2	46.26
<b>Total .....</b>	<b>1,496.0</b>	<b>12,990</b>	<b>1.02</b>	<b>8.92</b>	<b>176.0</b>	<b>45.73</b>
<b>1992</b>						
Pennsylvania.....	137.4	13,104	1.40	9.31	177.9	46.62
West Virginia.....	840.2	13,034	1.12	8.88	166.1	43.29
<b>Total .....</b>	<b>977.6</b>	<b>13,044</b>	<b>1.16</b>	<b>8.94</b>	<b>167.7</b>	<b>43.76</b>
<b>1993</b>						
Maryland.....	45.1	12,966	1.29	9.49	160.4	41.59
Pennsylvania.....	216.3	12,971	1.32	9.58	164.2	42.60
Virginia .....	14.0	13,273	.77	6.90	188.2	49.96
West Virginia.....	1,290.6	12,980	.90	9.25	163.3	42.40
<b>Total .....</b>	<b>1,565.9</b>	<b>12,981</b>	<b>.97</b>	<b>9.28</b>	<b>163.6</b>	<b>42.48</b>

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, 1991-1997 (Continued)**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality <sup>1</sup>			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
<b>Company and Plant: Delmarva Power and Light, Indian River</b>						
<b>1994</b>						
Kentucky .....	29.4	12,899	0.59	6.90	179.3	46.25
Maryland .....	125.0	13,164	1.44	10.23	147.9	38.95
Pennsylvania .....	251.2	13,004	1.29	8.96	161.1	41.89
Virginia .....	56.5	13,125	.76	7.30	180.8	47.45
West Virginia .....	1,146.2	12,858	.88	9.45	164.4	42.27
<b>Total .....</b>	<b>1,608.3</b>	<b>12,915</b>	<b>.98</b>	<b>9.31</b>	<b>163.4</b>	<b>42.21</b>
<b>1995</b>						
Maryland .....	227.9	13,155	1.38	9.89	149.3	39.29
Pennsylvania .....	352.3	13,227	1.44	6.90	148.8	39.37
Virginia .....	23.2	13,382	1.46	6.53	143.0	38.28
West Virginia .....	638.7	13,050	.76	8.71	172.6	45.04
Colombia .....	7.1	13,141	.75	7.07	180.3	47.39
<b>Total .....</b>	<b>1,249.2</b>	<b>13,126</b>	<b>1.08</b>	<b>8.36</b>	<b>161.1</b>	<b>42.28</b>
<b>1996</b>						
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
<b>Total .....</b>	<b>1,242.9</b>	<b>13,074</b>	<b>1.11</b>	<b>8.33</b>	<b>159.1</b>	<b>41.60</b>
<b>1997</b>						
January - March						
Maryland .....	.2	13,208	1.38	9.26	146.7	38.75
Pennsylvania .....	67.9	13,268	1.38	7.28	141.7	37.60
West Virginia .....	189.2	13,096	.71	8.22	173.3	45.38
<b>Total .....</b>	<b>257.3</b>	<b>13,141</b>	<b>.89</b>	<b>7.97</b>	<b>164.8</b>	<b>43.32</b>
April - June						
Maryland .....	39.0	13,048	1.42	9.16	148.6	38.77
Pennsylvania .....	141.8	13,307	1.37	7.12	141.2	37.59
West Virginia .....	180.1	13,047	.68	8.63	172.2	44.94
<b>Total .....</b>	<b>360.9</b>	<b>13,149</b>	<b>1.04</b>	<b>8.09</b>	<b>157.4</b>	<b>41.38</b>
<b>Year to Date</b>						
Maryland .....	39.2	13,048	1.42	9.16	148.6	38.77
Pennsylvania .....	209.8	13,295	1.38	7.17	141.4	37.60
West Virginia .....	369.3	13,072	.70	8.42	172.8	45.16
<b>Total .....</b>	<b>618.3</b>	<b>13,146</b>	<b>.97</b>	<b>8.04</b>	<b>160.5</b>	<b>42.19</b>
<b>Company and Plant: Detroit Edison Co, River Rouge</b>						
<b>1991</b>						
Kentucky .....	55.0	12,585	0.87	7.75	204.4	51.46
West Virginia .....	892.0	12,566	.69	10.70	160.2	40.26
Wyoming .....	84.0	8,790	.28	4.82	110.3	19.39
<b>Total .....</b>	<b>1,031.0</b>	<b>12,260</b>	<b>.66</b>	<b>10.06</b>	<b>159.7</b>	<b>39.16</b>
<b>1992</b>						
Kentucky .....	62.0	12,795	.80	8.07	194.5	49.77
West Virginia .....	697.0	12,570	.68	11.04	156.1	39.24
Wyoming .....	209.0	8,720	.24	4.80	105.3	18.37
<b>Total .....</b>	<b>968.0</b>	<b>11,753</b>	<b>.59</b>	<b>9.50</b>	<b>150.6</b>	<b>35.41</b>
<b>1993</b>						
Colorado .....	11.0	11,620	.53	8.80	147.6	34.30
Kentucky .....	359.0	12,638	.87	8.49	175.7	44.42
Virginia .....	10.0	13,583	.81	5.40	200.3	54.41
West Virginia .....	479.0	12,457	.72	11.64	155.2	38.67
Wyoming .....	399.0	8,752	.25	4.91	104.0	18.21
<b>Total .....</b>	<b>1,258.0</b>	<b>11,335</b>	<b>.61</b>	<b>8.53</b>	<b>149.6</b>	<b>33.91</b>
<b>1994</b>						
Colorado .....	21.0	11,838	.48	8.38	146.2	34.61
Kentucky .....	246.0	12,658	.81	8.22	178.4	45.17
West Virginia .....	630.0	12,446	.72	11.76	161.8	40.28
Wyoming .....	317.0	8,784	.27	5.09	106.1	18.64
Canada .....	57.0	11,005	.23	10.28	149.9	32.99
<b>Total .....</b>	<b>1,271.0</b>	<b>11,499</b>	<b>.60</b>	<b>9.29</b>	<b>154.0</b>	<b>35.41</b>
<b>1995</b>						
Colorado .....	44.0	11,818	.48	8.10	149.3	35.29
Kentucky .....	220.0	12,840	.72	7.59	170.2	43.70
West Virginia .....	412.0	12,292	.78	12.35	154.3	37.93
Wyoming .....	614.0	8,766	.26	5.11	105.6	18.51
<b>Total .....</b>	<b>1,290.0</b>	<b>10,691</b>	<b>.51</b>	<b>7.95</b>	<b>138.4</b>	<b>29.58</b>

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, 1991-1997 (Continued)**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality <sup>1</sup>			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
<b>Company and Plant: Detroit Edison Co, River Rouge</b>						
<b>1996</b>						
Kentucky .....	351.0	12,742	0.82	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
<b>Total .....</b>	<b>1,321.0</b>	<b>10,688</b>	<b>.56</b>	<b>7.87</b>	<b>132.4</b>	<b>28.31</b>
<b>1997</b>						
January - March						
Kentucky .....	64.0	12,667	.75	9.00	157.5	39.91
West Virginia .....	100.0	12,093	.87	13.70	142.7	34.51
Wyoming .....	156.0	8,801	.28	4.90	105.0	18.47
<b>Total .....</b>	<b>320.0</b>	<b>10,603</b>	<b>.56</b>	<b>8.47</b>	<b>131.0</b>	<b>27.77</b>
April - June						
Kentucky .....	75.0	12,608	.87	8.83	153.0	38.59
West Virginia .....	96.0	12,088	.86	13.56	145.3	35.12
Wyoming .....	126.0	8,774	.26	4.94	107.2	18.81
<b>Total .....</b>	<b>297.0</b>	<b>10,814</b>	<b>.61</b>	<b>8.71</b>	<b>134.4</b>	<b>29.08</b>
<b>Year to Date</b>						
Kentucky .....	139.0	12,635	.82	8.91	155.1	39.20
West Virginia .....	196.0	12,091	.87	13.63	144.0	34.81
Wyoming .....	282.0	8,789	.27	4.92	105.9	18.62
<b>Total .....</b>	<b>617.0</b>	<b>10,704</b>	<b>.58</b>	<b>8.59</b>	<b>132.7</b>	<b>28.40</b>
<b>Company and Plant: Florida Power Corp, IMT Transfer</b>						
<b>1992</b>						
Kentucky .....	1,183.1	12,423	0.86	8.98	170.0	42.23
West Virginia .....	195.7	12,633	.80	9.90	167.1	42.23
<b>Total .....</b>	<b>1,378.8</b>	<b>12,452</b>	<b>.85</b>	<b>9.11</b>	<b>169.6</b>	<b>42.23</b>
<b>1993</b>						
Kentucky .....	612.5	12,469	.86	9.30	167.3	41.72
West Virginia .....	383.9	12,568	.69	9.19	168.6	42.38
<b>Total .....</b>	<b>996.4</b>	<b>12,507</b>	<b>.79</b>	<b>9.26</b>	<b>167.8</b>	<b>41.98</b>
<b>1994</b>						
Kentucky .....	677.2	12,429	.83	9.69	181.1	45.01
West Virginia .....	658.5	12,552	.71	9.50	173.0	43.43
Venezuela .....	84.4	12,778	.64	6.50	156.3	39.93
<b>Total .....</b>	<b>1,420.1</b>	<b>12,507</b>	<b>.77</b>	<b>9.41</b>	<b>175.8</b>	<b>43.97</b>
<b>1995</b>						
Kentucky .....	739.7	12,496	.75	9.01	170.4	42.59
West Virginia .....	546.2	12,502	.75	9.48	173.9	43.48
<b>Total .....</b>	<b>1,285.8</b>	<b>12,498</b>	<b>.75</b>	<b>9.21</b>	<b>171.9</b>	<b>42.97</b>
<b>1996</b>						
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
<b>Total .....</b>	<b>1,955.2</b>	<b>12,576</b>	<b>.69</b>	<b>9.28</b>	<b>170.8</b>	<b>42.96</b>
<b>1997</b>						
January - March						
Kentucky .....	233.8	12,370	.65	9.37	172.4	42.65
West Virginia .....	223.5	12,570	.72	10.29	180.5	45.38
<b>Total .....</b>	<b>457.3</b>	<b>12,468</b>	<b>.68</b>	<b>9.82</b>	<b>176.4</b>	<b>43.98</b>
April - June						
Colorado .....	14.4	11,131	.60	7.74	182.5	40.63
Kentucky .....	231.8	12,472	.67	9.08	164.8	41.11
West Virginia .....	327.7	12,522	.70	10.45	177.2	44.38
<b>Total .....</b>	<b>573.9</b>	<b>12,467</b>	<b>.69</b>	<b>9.83</b>	<b>172.3</b>	<b>42.97</b>
<b>Year to Date</b>						
Colorado .....	14.4	11,131	.60	7.74	182.5	40.63
Kentucky .....	465.6	12,421	.66	9.23	168.6	41.88
West Virginia .....	551.2	12,541	.71	10.38	178.5	44.79
<b>Total .....</b>	<b>1,031.2</b>	<b>12,467</b>	<b>.69</b>	<b>9.82</b>	<b>174.1</b>	<b>43.42</b>
<b>Company and Plant: Gulf Power, Crist</b>						
<b>1991</b>						
Illinois .....	1,265.5	11,977	2.68	8.67	205.1	49.12
Kentucky .....	607.5	12,048	2.81	8.06	129.2	31.13
<b>Total .....</b>	<b>1,873.0</b>	<b>12,000</b>	<b>2.72</b>	<b>8.47</b>	<b>180.4</b>	<b>43.29</b>

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, 1991-1997 (Continued)**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality <sup>1</sup>			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
<b>Company and Plant: Gulf Power, Crist</b>						
<b>1992</b>						
Alabama .....	71.9	12,060	2.75	12.94	120.6	29.09
Illinois .....	1,779.8	11,926	2.70	8.37	180.8	43.12
Kentucky .....	225.8	12,062	2.73	8.38	121.4	29.28
<b>Total .....</b>	<b>2,077.5</b>	<b>11,945</b>	<b>2.71</b>	<b>8.53</b>	<b>172.2</b>	<b>41.13</b>
<b>1993</b>						
Alabama .....	72.3	12,337	2.09	11.73	191.1	47.15
Illinois .....	1,490.3	11,992	2.59	8.15	176.3	42.27
Kentucky .....	55.2	12,127	2.79	9.28	123.6	29.98
West Virginia .....	13.1	13,311	2.14	6.16	209.3	55.73
Colombia .....	280.2	11,983	.59	5.53	188.5	45.18
Venezuela .....	234.8	12,992	.59	6.11	172.2	44.75
<b>Total .....</b>	<b>2,145.9</b>	<b>12,124</b>	<b>2.10</b>	<b>7.72</b>	<b>176.7</b>	<b>42.85</b>
<b>1994</b>						
Alabama .....	1.5	12,241	2.87	10.00	204.1	49.97
Illinois .....	1,568.9	11,887	2.15	7.55	173.1	41.16
West Virginia .....	20.7	13,461	1.08	5.40	185.8	50.02
Colombia .....	29.8	12,239	.59	5.30	160.9	39.38
Venezuela .....	283.4	12,252	1.03	6.28	216.9	53.15
<b>Total .....</b>	<b>1,904.4</b>	<b>11,964</b>	<b>1.95</b>	<b>7.31</b>	<b>179.8</b>	<b>43.02</b>
<b>1995</b>						
Illinois .....	796.8	12,346	.95	6.34	228.4	56.40
Venezuela .....	776.7	12,363	.92	6.29	230.9	57.09
<b>Total .....</b>	<b>1,573.6</b>	<b>12,354</b>	<b>.93</b>	<b>6.31</b>	<b>229.6</b>	<b>56.74</b>
<b>1996</b>						
Illinois .....	1,265.4	12,124	1.10	6.30	223.6	54.21
Venezuela .....	205.9	12,224	.95	5.90	230.6	56.37
<b>Total .....</b>	<b>1,471.4</b>	<b>12,138</b>	<b>1.08</b>	<b>6.25</b>	<b>224.6</b>	<b>54.52</b>
<b>1997</b>						
January - March						
Illinois .....	310.0	12,022	1.07	6.84	230.5	55.43
Kentucky .....	4.8	11,826	1.27	12.20	224.0	52.98
West Virginia .....	11.9	12,211	.81	13.35	224.3	54.78
<b>Total .....</b>	<b>326.7</b>	<b>12,026</b>	<b>1.06</b>	<b>7.16</b>	<b>230.2</b>	<b>55.37</b>
April - June						
Alabama .....	55.4	12,728	.74	10.11	165.8	42.19
Illinois .....	253.7	12,047	1.04	6.74	209.7	50.51
Kentucky .....	61.0	11,973	1.23	11.46	191.1	45.77
West Virginia .....	90.7	12,303	.83	13.52	192.0	47.25
<b>Total .....</b>	<b>460.8</b>	<b>12,170</b>	<b>.99</b>	<b>9.11</b>	<b>198.2</b>	<b>48.24</b>
<b>Year to Date</b>						
Alabama .....	55.4	12,728	.74	10.11	165.8	42.19
Illinois .....	563.7	12,033	1.05	6.80	221.1	53.22
Kentucky .....	65.8	11,962	1.24	11.52	193.5	46.29
West Virginia .....	102.6	12,293	.83	13.50	195.7	48.12
<b>Total .....</b>	<b>787.5</b>	<b>12,110</b>	<b>1.02</b>	<b>8.30</b>	<b>211.4</b>	<b>51.20</b>
<b>Company and Plant: Gulf Power, Scholtz</b>						
<b>1991</b>						
Kentucky .....	67.9	12,685	2.86	7.08	151.3	38.39
<b>Total .....</b>	<b>67.9</b>	<b>12,685</b>	<b>2.86</b>	<b>7.08</b>	<b>151.3</b>	<b>38.39</b>
<b>1992</b>						
Kentucky .....	31.7	12,192	3.06	8.84	148.7	36.27
<b>Total .....</b>	<b>31.7</b>	<b>12,192</b>	<b>3.06</b>	<b>8.84</b>	<b>148.7</b>	<b>36.27</b>
<b>1993</b>						
Illinois .....	8.2	12,061	2.38	7.60	154.1	37.17
Kentucky .....	47.9	12,057	3.10	8.74	159.5	38.45
Colombia .....	7.5	12,170	.62	7.50	164.4	40.01
Venezuela .....	16.0	12,958	.58	6.10	170.6	44.20
<b>Total .....</b>	<b>79.6</b>	<b>12,249</b>	<b>2.29</b>	<b>7.98</b>	<b>161.7</b>	<b>39.62</b>
<b>1994</b>						
Kentucky .....	67.1	11,861	3.09	9.35	168.7	40.03
<b>Total .....</b>	<b>67.1</b>	<b>11,861</b>	<b>3.09</b>	<b>9.35</b>	<b>168.7</b>	<b>40.03</b>
<b>1995</b>						
Kentucky .....	60.5	12,585	2.74	8.07	152.1	38.28
<b>Total .....</b>	<b>60.5</b>	<b>12,585</b>	<b>2.74</b>	<b>8.07</b>	<b>152.1</b>	<b>38.28</b>

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, 1991-1997 (Continued)**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality <sup>1</sup>			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
<b>Company and Plant: Gulf Power, Scholtz</b>						
<b>1996</b>						
Kentucky .....	78.7	12,008	3.13	9.52	140.1	33.65
<b>Total .....</b>	<b>78.7</b>	<b>12,008</b>	<b>3.13</b>	<b>9.52</b>	<b>140.1</b>	<b>33.65</b>
<b>1997</b>						
January - March						
Kentucky .....	15.0	12,241	1.91	9.65	168.8	41.32
<b>Total .....</b>	<b>15.0</b>	<b>12,241</b>	<b>1.91</b>	<b>9.65</b>	<b>168.8</b>	<b>41.32</b>
April - June						
Kentucky .....	31.3	12,325	1.96	9.54	164.7	40.59
<b>Total .....</b>	<b>31.3</b>	<b>12,325</b>	<b>1.96</b>	<b>9.54</b>	<b>164.7</b>	<b>40.59</b>
<b>Year to Date</b>						
Kentucky .....	46.3	12,297	1.94	9.58	166.0	40.83
<b>Total .....</b>	<b>46.3</b>	<b>12,297</b>	<b>1.94</b>	<b>9.58</b>	<b>166.0</b>	<b>40.83</b>
<b>Company and Plant: Gulf Power, Smith</b>						
<b>1991</b>						
Illinois .....	906.3	12,015	2.72	8.66	222.5	53.46
Kentucky .....	132.5	11,953	2.75	6.12	128.9	30.82
<b>Total .....</b>	<b>1,038.8</b>	<b>12,007</b>	<b>2.72</b>	<b>8.34</b>	<b>210.6</b>	<b>50.57</b>
<b>1992</b>						
Illinois .....	878.5	11,996	2.80	8.46	222.5	53.39
Kentucky .....	6.3	11,982	2.54	7.10	129.5	31.03
<b>Total .....</b>	<b>884.8</b>	<b>11,996</b>	<b>2.80</b>	<b>8.45</b>	<b>221.9</b>	<b>53.23</b>
<b>1993</b>						
Illinois .....	704.8	11,905	2.18	7.96	179.4	42.71
Kentucky .....	15.9	12,269	2.96	9.45	121.7	29.85
Colombia .....	198.2	11,823	.61	5.96	184.6	43.65
<b>Total .....</b>	<b>918.9</b>	<b>11,893</b>	<b>1.85</b>	<b>7.55</b>	<b>179.5</b>	<b>42.69</b>
<b>1994</b>						
Illinois .....	391.8	12,086	2.11	7.93	160.3	38.76
Kentucky .....	17.7	11,881	3.22	10.78	140.2	33.31
Colombia .....	286.6	12,299	.61	4.17	172.3	42.39
South Africa .....	127.3	11,318	.65	12.60	181.1	41.00
Venezuela .....	53.8	12,272	.96	6.52	229.1	56.24
<b>Total .....</b>	<b>877.3</b>	<b>12,051</b>	<b>1.36</b>	<b>7.35</b>	<b>171.1</b>	<b>41.23</b>
<b>1995</b>						
Illinois .....	981.7	11,728	2.26	8.25	143.5	33.67
Venezuela .....	114.6	12,202	1.00	6.52	236.1	57.63
<b>Total .....</b>	<b>1,096.4</b>	<b>11,777</b>	<b>2.13</b>	<b>8.07</b>	<b>153.6</b>	<b>36.17</b>
<b>1996</b>						
Illinois .....	710.6	11,792	1.99	7.97	158.1	37.28
Kentucky .....	285.8	11,895	2.87	7.68	195.0	46.40
Venezuela .....	92.2	12,171	.99	6.03	234.7	57.13
<b>Total .....</b>	<b>1,088.7</b>	<b>11,851</b>	<b>2.13</b>	<b>7.73</b>	<b>174.5</b>	<b>41.35</b>
<b>1997</b>						
January - March						
Alabama .....	28.6	11,900	3.33	12.40	204.2	48.60
Illinois .....	132.9	12,054	1.40	6.91	232.2	55.97
Kentucky .....	41.4	11,965	2.77	6.08	266.2	63.71
<b>Total .....</b>	<b>202.9</b>	<b>12,014</b>	<b>1.96</b>	<b>7.52</b>	<b>235.2</b>	<b>56.51</b>
April - June						
Alabama .....	109.5	11,805	2.90	14.17	174.2	41.12
Illinois .....	51.7	12,277	2.41	8.61	173.7	42.64
Kentucky .....	71.1	11,970	2.98	10.46	170.8	40.88
<b>Total .....</b>	<b>232.3</b>	<b>11,961</b>	<b>2.82</b>	<b>11.80</b>	<b>173.0</b>	<b>41.38</b>
<b>Year to Date</b>						
Alabama .....	138.1	11,824	2.99	13.80	180.4	42.67
Illinois .....	184.6	12,117	1.69	7.39	215.6	52.24
Kentucky .....	112.5	11,968	2.91	8.85	205.9	49.28
<b>Total .....</b>	<b>435.2</b>	<b>11,986</b>	<b>2.42</b>	<b>9.80</b>	<b>202.1</b>	<b>48.44</b>
<b>Company and Plant: Holyoke Water Power (NU), Mount Tom</b>						
<b>1991</b>						
Pennsylvania .....	400.3	13,137	1.47	6.63	175.5	46.11
<b>Total .....</b>	<b>400.3</b>	<b>13,137</b>	<b>1.47</b>	<b>6.63</b>	<b>175.5</b>	<b>46.11</b>

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, 1991-1997 (Continued)**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality <sup>1</sup>			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
<b>Company and Plant: Holyoke Water Power (NU), Mount Tom</b>						
<b>1992</b>						
Pennsylvania .....	354.8	13,234	1.34	6.26	168.2	44.51
West Virginia .....	8.1	12,800	.80	8.50	198.2	50.74
<b>Total .....</b>	<b>362.9</b>	<b>13,224</b>	<b>1.33</b>	<b>6.31</b>	<b>168.8</b>	<b>44.65</b>
<b>1993</b>						
Kentucky .....	7.3	13,132	.75	7.50	195.9	51.45
Pennsylvania .....	299.9	13,201	1.52	6.34	164.7	43.49
West Virginia .....	7.0	13,087	.91	7.60	171.7	44.94
<b>Total .....</b>	<b>314.2</b>	<b>13,197</b>	<b>1.49</b>	<b>6.39</b>	<b>165.6</b>	<b>43.71</b>
<b>1994</b>						
Kentucky .....	47.8	12,884	.55	7.74	206.0	53.07
Pennsylvania .....	289.2	13,171	1.48	6.60	156.8	41.31
Indonesia .....	7.9	12,651	.43	3.30	195.4	49.44
<b>Total .....</b>	<b>344.9</b>	<b>13,119</b>	<b>1.33</b>	<b>6.68</b>	<b>164.4</b>	<b>43.13</b>
<b>1995</b>						
Kentucky .....	157.3	13,053	.52	7.40	193.3	50.47
Pennsylvania .....	212.5	13,227	1.37	7.20	156.9	41.50
<b>Total .....</b>	<b>369.8</b>	<b>13,153</b>	<b>1.01</b>	<b>7.28</b>	<b>172.3</b>	<b>45.31</b>
<b>1996</b>						
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
<b>Total .....</b>	<b>371.1</b>	<b>13,224</b>	<b>1.04</b>	<b>7.25</b>	<b>174.3</b>	<b>46.10</b>
<b>1997</b>						
January - March						
Kentucky .....	32.7	12,931	.59	7.77	205.5	53.15
Pennsylvania .....	7.8	13,381	1.24	6.90	164.2	43.94
West Virginia .....	42.1	13,168	.61	7.66	194.8	51.30
<b>Total .....</b>	<b>82.6</b>	<b>13,094</b>	<b>.66</b>	<b>7.63</b>	<b>196.0</b>	<b>51.34</b>
April - June						
Kentucky .....	8.1	13,000	.62	8.20	204.1	53.07
Pennsylvania .....	117.0	13,304	1.32	7.17	166.1	44.19
<b>Total .....</b>	<b>125.1</b>	<b>13,284</b>	<b>1.28</b>	<b>7.24</b>	<b>168.5</b>	<b>44.77</b>
<b>Year to Date</b>						
Kentucky .....	40.8	12,945	.60	7.85	205.2	53.13
Pennsylvania .....	124.8	13,308	1.32	7.15	166.0	44.18
West Virginia .....	42.1	13,168	.61	7.66	194.8	51.30
<b>Total .....</b>	<b>207.7</b>	<b>13,208</b>	<b>1.03</b>	<b>7.39</b>	<b>179.4</b>	<b>47.38</b>
<b>Company and Plant: Jacksonville Electric Authority, St Johns River</b>						
<b>1991</b>						
Kentucky .....	1,475.3	12,802	1.10	8.96	166.4	42.59
Ohio .....	240.2	12,530	3.74	9.20	163.8	41.04
West Virginia .....	643.0	12,102	.85	11.61	200.3	48.47
Colombia .....	1,582.6	11,978	.73	7.04	153.1	36.68
Venezuela .....	42.2	12,913	.56	8.90	126.9	32.77
<b>Total .....</b>	<b>3,983.4</b>	<b>12,346</b>	<b>1.07</b>	<b>8.64</b>	<b>166.0</b>	<b>41.00</b>
<b>1992</b>						
Kentucky .....	1,563.4	12,831	1.18	8.43	160.2	41.11
West Virginia .....	642.4	12,063	.82	12.58	199.9	48.22
Colombia .....	1,418.6	11,897	.71	6.91	150.0	35.70
<b>Total .....</b>	<b>3,624.4</b>	<b>12,329</b>	<b>.93</b>	<b>8.57</b>	<b>163.2</b>	<b>40.25</b>
<b>1993</b>						
Kentucky .....	1,300.4	12,802	1.30	8.36	172.0	44.03
West Virginia .....	243.0	12,049	.75	12.79	187.6	45.21
Colombia .....	2,291.2	11,849	.68	7.21	136.9	32.44
<b>Total .....</b>	<b>3,834.6</b>	<b>12,185</b>	<b>.89</b>	<b>7.95</b>	<b>152.6</b>	<b>37.18</b>
<b>1994</b>						
Kentucky .....	1,106.7	12,775	1.27	8.92	173.2	44.25
West Virginia .....	595.3	12,193	.82	11.98	185.1	45.14
Colombia .....	2,032.1	11,883	.69	7.40	135.6	32.22
<b>Total .....</b>	<b>3,734.1</b>	<b>12,197</b>	<b>.88</b>	<b>8.58</b>	<b>155.2</b>	<b>37.85</b>
<b>1995</b>						
Kentucky .....	1,695.5	12,605	1.25	9.30	168.0	42.35
West Virginia .....	645.7	12,143	.88	12.85	188.2	45.70
Colombia .....	1,340.6	11,826	.67	7.52	151.5	35.82
<b>Total .....</b>	<b>3,681.8</b>	<b>12,241</b>	<b>.97</b>	<b>9.28</b>	<b>165.7</b>	<b>40.56</b>

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, 1991-1997 (Continued)**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality <sup>1</sup>			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
<b>Company and Plant: Jacksonville Electric Authority, St Johns River</b>						
<b>1996</b>						
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
<b>Total .....</b>	<b>3,790.0</b>	<b>12,381</b>	<b>1.08</b>	<b>8.66</b>	<b>160.7</b>	<b>39.80</b>
<b>1997</b>						
January - March						
Kentucky .....	454.9	12,557	1.65	9.61	175.4	44.05
West Virginia .....	79.2	12,050	.87	13.38	195.7	47.16
Colombia .....	138.9	11,813	.70	7.30	152.0	35.91
<b>Total .....</b>	<b>673.0</b>	<b>12,343</b>	<b>1.36</b>	<b>9.58</b>	<b>173.1</b>	<b>42.73</b>
April - June						
Kentucky .....	354.4	12,687	1.42	9.88	179.9	45.66
West Virginia .....	88.9	12,004	.85	13.42	197.6	47.45
Colombia .....	425.7	11,809	.72	7.49	151.4	35.76
<b>Total .....</b>	<b>869.1</b>	<b>12,187</b>	<b>1.02</b>	<b>9.07</b>	<b>168.2</b>	<b>40.99</b>
<b>Year to Date</b>						
Kentucky .....	809.3	12,613	1.55	9.73	177.4	44.75
West Virginia .....	168.1	12,026	.86	13.40	196.7	47.31
Colombia .....	564.6	11,810	.71	7.44	151.5	35.79
<b>Total .....</b>	<b>1,542.0</b>	<b>12,255</b>	<b>1.17</b>	<b>9.29</b>	<b>170.3</b>	<b>41.75</b>
<b>Company and Plant: Mississippi Power (Southern Co), Daniel</b>						
<b>1991</b>						
Kentucky .....	1,306.9	12,952	0.72	7.41	171.3	44.38
Montana .....	105.5	9,344	.30	4.10	145.2	27.14
<b>Total .....</b>	<b>1,412.3</b>	<b>12,682</b>	<b>.69</b>	<b>7.16</b>	<b>169.9</b>	<b>43.09</b>
<b>1992</b>						
Kentucky .....	810.6	12,988	.73	7.22	170.0	44.15
Montana .....	82.2	9,383	.30	4.15	136.0	25.51
Wyoming .....	70.9	8,760	.34	4.92	153.0	26.81
<b>Total .....</b>	<b>963.7</b>	<b>12,369</b>	<b>.66</b>	<b>6.79</b>	<b>166.9</b>	<b>41.29</b>
<b>1993</b>						
Colorado .....	158.6	11,535	.45	9.58	158.9	36.66
Kentucky .....	774.6	12,881	.70	8.12	173.8	44.78
Montana .....	177.7	9,425	.39	4.61	159.1	29.99
Indonesia .....	67.5	9,745	.08	1.23	168.9	32.92
<b>Total .....</b>	<b>1,178.5</b>	<b>11,999</b>	<b>.58</b>	<b>7.39</b>	<b>169.9</b>	<b>40.78</b>
<b>1994</b>						
Colorado .....	715.2	11,072	.43	10.37	159.5	35.31
Kentucky .....	279.3	12,739	.68	9.06	181.7	46.28
Montana .....	1,288.4	9,402	.40	4.78	138.0	25.96
<b>Total .....</b>	<b>2,282.8</b>	<b>10,334</b>	<b>.44</b>	<b>7.06</b>	<b>151.8</b>	<b>31.38</b>
<b>1995</b>						
Colorado .....	951.3	11,076	.42	9.89	161.4	35.75
Montana .....	1,269.5	9,399	.38	4.43	140.0	26.31
<b>Total .....</b>	<b>2,220.8</b>	<b>10,118</b>	<b>.39</b>	<b>6.77</b>	<b>150.0</b>	<b>30.36</b>
<b>1996</b>						
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
<b>Total .....</b>	<b>2,671.2</b>	<b>9,774</b>	<b>.41</b>	<b>5.31</b>	<b>145.1</b>	<b>28.36</b>
<b>1997</b>						
January - March						
Montana .....	749.3	9,394	.39	4.61	141.3	26.54
<b>Total .....</b>	<b>749.3</b>	<b>9,394</b>	<b>.39</b>	<b>4.61</b>	<b>141.3</b>	<b>26.54</b>
April - June						
Montana .....	778.9	9,059	.40	4.67	145.3	26.33
<b>Total .....</b>	<b>778.9</b>	<b>9,059</b>	<b>.40</b>	<b>4.67</b>	<b>145.3</b>	<b>26.33</b>
<b>Year to Date</b>						
Montana .....	1,528.2	9,223	.40	4.64	143.3	26.43
<b>Total .....</b>	<b>1,528.2</b>	<b>9,223</b>	<b>.40</b>	<b>4.64</b>	<b>143.3</b>	<b>26.43</b>
<b>Company and Plant: New England Power (NEES), Brayton Point</b>						
<b>1991</b>						
Kentucky .....	0.5	12,970	0.75	8.49	174.6	45.29
Pennsylvania .....	33.6	13,164	1.32	9.03	166.9	43.94

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, 1991-1997 (Continued)**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality <sup>1</sup>			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
<b>Company and Plant: New England Power (NEES), Brayton Point</b>						
<b>1991</b>						
Virginia .....	742.1	13,260	1.06	7.23	173.1	45.91
West Virginia .....	1,852.8	13,083	1.20	8.50	170.7	44.66
Venezuela .....	83.7	13,390	.77	7.55	167.3	44.81
<b>Total .....</b>	<b>2,712.7</b>	<b>13,142</b>	<b>1.15</b>	<b>8.13</b>	<b>171.2</b>	<b>45.00</b>
<b>1992</b>						
Kentucky .....	10.1	12,934	.63	6.47	170.9	44.21
Virginia .....	197.9	13,030	1.12	7.64	173.1	45.11
West Virginia .....	2,209.9	13,032	1.11	8.45	168.1	43.81
Venezuela .....	129.0	13,375	.75	7.32	165.2	44.18
<b>Total .....</b>	<b>2,546.9</b>	<b>13,049</b>	<b>1.09</b>	<b>8.32</b>	<b>168.3</b>	<b>43.94</b>
<b>1993</b>						
Kentucky .....	68.7	12,641	.54	7.18	167.7	42.39
Maryland .....	1.0	13,161	1.48	10.11	153.6	40.44
West Virginia .....	1,659.3	12,985	1.05	8.54	167.5	43.51
Wyoming .....	7.0	8,889	.30	5.37	174.9	31.09
Colombia .....	187.2	12,144	.64	5.42	178.5	43.35
Venezuela .....	239.9	13,132	.71	7.83	162.5	42.67
<b>Total .....</b>	<b>2,163.1</b>	<b>12,905</b>	<b>.96</b>	<b>8.14</b>	<b>167.9</b>	<b>43.33</b>
<b>1994</b>						
Kentucky .....	138.0	12,543	.73	8.18	174.9	43.88
Pennsylvania .....	119.6	13,049	1.43	6.44	166.4	43.43
West Virginia .....	2,159.0	12,823	.98	8.61	170.6	43.75
Colombia .....	51.3	12,131	.65	5.60	172.2	41.78
Venezuela .....	351.2	12,955	.71	7.03	154.2	39.95
<b>Total .....</b>	<b>2,819.1</b>	<b>12,822</b>	<b>.95</b>	<b>8.24</b>	<b>168.6</b>	<b>43.24</b>
<b>1995</b>						
Kentucky .....	144.6	12,644	.73	7.74	171.9	43.47
West Virginia .....	1,491.6	12,687	.71	9.56	171.3	43.46
Colombia .....	307.8	12,218	.60	5.22	164.6	40.23
Venezuela .....	510.6	12,788	.69	7.03	160.0	40.92
<b>Total .....</b>	<b>2,454.6</b>	<b>12,647</b>	<b>.69</b>	<b>8.38</b>	<b>168.1</b>	<b>42.53</b>
<b>1996</b>						
Kentucky .....	262.9	12,628	.70	8.26	174.6	44.09
West Virginia .....	1,884.5	12,538	.70	10.16	172.9	43.37
Colombia .....	427.5	12,014	.59	5.52	168.0	40.35
Venezuela .....	572.4	12,937	.67	6.29	162.4	42.01
<b>Total .....</b>	<b>3,147.3</b>	<b>12,547</b>	<b>.68</b>	<b>8.67</b>	<b>170.5</b>	<b>42.77</b>
<b>1997</b>						
January - March						
Kentucky .....	161.4	12,725	.68	7.09	176.4	44.89
West Virginia .....	401.3	12,530	.71	10.15	172.0	43.11
Colombia .....	112.1	12,030	.63	6.04	179.7	43.25
Venezuela .....	27.8	12,705	.75	8.48	162.2	41.21
<b>Total .....</b>	<b>702.6</b>	<b>12,502</b>	<b>.69</b>	<b>8.73</b>	<b>173.8</b>	<b>43.46</b>
April - June						
Kentucky .....	163.0	12,666	.74	8.06	180.0	45.61
West Virginia .....	423.3	12,583	.72	10.69	170.0	42.79
Colombia .....	159.3	12,190	.64	6.16	154.6	37.68
Venezuela .....	83.9	13,136	.72	6.23	163.6	42.98
<b>Total .....</b>	<b>829.5</b>	<b>12,580</b>	<b>.71</b>	<b>8.85</b>	<b>168.5</b>	<b>42.38</b>
<b>Year to Date</b>						
Kentucky .....	324.4	12,695	.71	7.58	178.2	45.25
West Virginia .....	824.6	12,557	.71	10.43	171.0	42.95
Colombia .....	271.4	12,124	.63	6.11	164.9	39.98
Venezuela .....	111.7	13,028	.73	6.79	163.3	42.54
<b>Total .....</b>	<b>1,532.1</b>	<b>12,544</b>	<b>.70</b>	<b>8.79</b>	<b>170.9</b>	<b>42.88</b>
<b>Company and Plant: New England Power (NEES), Salem Harbor</b>						
<b>1991</b>						
Virginia .....	120.6	13,938	0.77	4.26	172.1	47.97
West Virginia .....	760.4	13,102	1.44	9.66	171.9	45.05
<b>Total .....</b>	<b>881.0</b>	<b>13,216</b>	<b>1.35</b>	<b>8.92</b>	<b>172.0</b>	<b>45.45</b>
<b>1992</b>						
Pennsylvania .....	40.2	13,193	1.26	6.80	162.3	42.82
West Virginia .....	763.1	13,130	1.46	9.47	167.0	43.86
Canada .....	32.8	13,569	1.40	3.82	174.9	47.46

See footnotes at the end of Table A7.

**Table A7. Cost and Quality of All Coal Received at Electric Utility Plants that Import Coal by Origin, 1991-1997 (Continued)**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality <sup>1</sup>			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
<b>Company and Plant: New England Power (NEES), Salem Harbor</b>						
<b>1992</b>						
Venezuela.....	34.8	12,893	0.58	7.02	145.3	37.47
<b>Total</b> .....	<b>870.9</b>	<b>13,140</b>	<b>1.41</b>	<b>9.04</b>	<b>166.3</b>	<b>43.70</b>
<b>1993</b>						
Maryland.....	10.1	13,219	1.32	9.76	166.4	43.99
West Virginia.....	532.9	13,013	1.29	9.62	167.2	43.51
Venezuela.....	236.2	12,921	.57	6.65	162.5	41.99
<b>Total</b> .....	<b>779.2</b>	<b>12,987</b>	<b>1.07</b>	<b>8.72</b>	<b>165.8</b>	<b>43.05</b>
<b>1994</b>						
West Virginia.....	80.0	12,958	.77	8.71	177.5	45.99
Colombia.....	84.2	12,017	.57	6.07	159.9	38.44
Venezuela.....	565.5	12,678	.64	6.49	159.6	40.47
<b>Total</b> .....	<b>729.7</b>	<b>12,632</b>	<b>.65</b>	<b>6.69</b>	<b>161.6</b>	<b>40.84</b>
<b>1995</b>						
West Virginia.....	117.6	12,643	.68	8.94	183.5	46.41
Colombia.....	250.1	12,166	.60	5.26	147.9	35.99
Venezuela.....	393.1	12,846	.65	6.34	162.4	41.72
<b>Total</b> .....	<b>760.8</b>	<b>12,591</b>	<b>.64</b>	<b>6.39</b>	<b>161.1</b>	<b>40.56</b>
<b>1996</b>						
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
<b>Total</b> .....	<b>925.8</b>	<b>12,656</b>	<b>.67</b>	<b>6.60</b>	<b>157.6</b>	<b>39.90</b>
<b>1997</b>						
January - March						
Kentucky.....	39.5	12,540	.73	9.29	179.7	45.07
West Virginia.....	80.9	12,490	.70	10.92	176.6	44.12
Colombia.....	85.6	12,121	.72	6.69	176.8	42.85
<b>Total</b> .....	<b>206.0</b>	<b>12,346</b>	<b>.71</b>	<b>8.85</b>	<b>177.3</b>	<b>43.78</b>
April - June						
West Virginia.....	40.3	12,612	.70	9.98	174.1	43.93
Colombia.....	153.9	12,078	.62	6.21	151.7	36.63
<b>Total</b> .....	<b>194.2</b>	<b>12,189</b>	<b>.63</b>	<b>6.99</b>	<b>156.5</b>	<b>38.15</b>
<b>Year to Date</b>						
Kentucky.....	39.5	12,540	.73	9.29	179.7	45.07
West Virginia.....	121.2	12,531	.70	10.61	175.8	44.05
Colombia.....	239.5	12,093	.65	6.38	160.7	38.86
<b>Total</b> .....	<b>400.2</b>	<b>12,270</b>	<b>.67</b>	<b>7.95</b>	<b>167.3</b>	<b>41.04</b>
<b>Company and Plant: Ohio Edison, Burger Plant</b>						
<b>1991</b>						
Ohio.....	779.1	12,087	3.52	11.21	111.8	27.02
Pennsylvania.....	194.3	12,095	2.64	11.89	153.2	37.06
West Virginia.....	11.6	11,703	3.54	11.84	100.0	23.40
Wyoming.....	12.2	8,570	.44	5.57	132.8	22.77
<b>Total</b> .....	<b>997.2</b>	<b>12,041</b>	<b>3.31</b>	<b>11.28</b>	<b>119.9</b>	<b>28.88</b>
<b>1992</b>						
Kentucky.....	41.4	12,143	.84	10.37	130.5	31.69
Ohio.....	963.7	12,135	3.62	11.27	104.4	25.35
Pennsylvania.....	128.2	12,070	2.83	11.73	129.8	31.32
Wyoming.....	61.3	8,449	.35	5.48	120.1	20.29
Indonesia.....	13.1	9,587	.14	1.20	166.9	32.00
<b>Total</b> .....	<b>1,207.7</b>	<b>11,913</b>	<b>3.24</b>	<b>10.88</b>	<b>109.2</b>	<b>26.01</b>
<b>1993</b>						
Kentucky.....	6.1	12,223	.88	10.70	110.4	26.99
Ohio.....	1,151.5	12,135	3.57	11.37	102.2	24.81
Pennsylvania.....	99.9	11,842	3.41	11.82	92.0	21.79
<b>Total</b> .....	<b>1,257.5</b>	<b>12,113</b>	<b>3.55</b>	<b>11.41</b>	<b>101.5</b>	<b>24.58</b>
<b>1994</b>						
Ohio.....	937.8	12,266	3.58	10.63	99.0	24.28
Pennsylvania.....	63.6	11,942	2.80	11.52	105.5	25.20
West Virginia.....	1.5	11,112	4.48	17.60	112.7	25.05
<b>Total</b> .....	<b>1,002.9</b>	<b>12,244</b>	<b>3.53</b>	<b>10.69</b>	<b>99.4</b>	<b>24.34</b>

See footnotes at the end of Table A7.

**Table A7. Cost and Quality of All Coal Received at Electric Utility Plants that Import Coal by Origin, 1991-1997 (Continued)**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality <sup>1</sup>			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
<b>Company and Plant: Ohio Edison, Burger Plant</b>						
<b>1995</b>						
Ohio.....	225.7	12,444	3.78	10.17	95.2	23.68
Pennsylvania.....	179.8	12,635	2.41	10.26	93.0	23.49
West Virginia.....	158.1	12,320	2.49	11.49	90.5	22.29
<b>Total.....</b>	<b>563.6</b>	<b>12,470</b>	<b>2.98</b>	<b>10.57</b>	<b>93.1</b>	<b>23.23</b>
<b>1996</b>						
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.....	942.8	12,323	3.69	9.65	81.9	20.18
<b>Total.....</b>	<b>978.5</b>	<b>12,308</b>	<b>3.68</b>	<b>9.70</b>	<b>81.7</b>	<b>20.11</b>
<b>1997</b>						
January - March						
Ohio.....	16.6	11,319	2.78	12.45	90.0	20.37
Pennsylvania.....	25.1	8,938	1.71	29.07	77.1	13.79
West Virginia.....	81.6	12,378	3.78	9.89	80.2	19.86
<b>Total.....</b>	<b>123.3</b>	<b>11,535</b>	<b>3.23</b>	<b>14.14</b>	<b>81.0</b>	<b>18.70</b>
April - June						
Ohio.....	42.5	12,002	2.80	11.35	86.2	20.68
Pennsylvania.....	97.4	9,235	2.10	27.29	79.6	14.70
West Virginia.....	110.5	11,928	3.01	13.91	82.5	19.67
<b>Total.....</b>	<b>250.4</b>	<b>10,893</b>	<b>2.62</b>	<b>18.68</b>	<b>82.2</b>	<b>17.91</b>
<b>Year to Date</b>						
Ohio.....	59.1	11,810	2.80	11.66	87.2	20.59
Pennsylvania.....	122.5	9,174	2.02	27.65	79.1	14.51
West Virginia.....	192.1	12,119	3.34	12.20	81.5	19.75
<b>Total.....</b>	<b>373.7</b>	<b>11,105</b>	<b>2.82</b>	<b>17.18</b>	<b>81.8</b>	<b>18.17</b>
<b>Company and Plant: Public Serv Co of Indiana, Gallagher</b>						
<b>1991</b>						
Illinois.....	29.5	12,829	2.74	8.57	105.1	26.96
Indiana.....	855.6	11,030	2.24	8.31	135.0	29.78
Kentucky.....	258.4	11,547	2.43	8.63	107.3	24.77
<b>Total.....</b>	<b>1,143.5</b>	<b>11,193</b>	<b>2.30</b>	<b>8.39</b>	<b>127.6</b>	<b>28.57</b>
<b>1992</b>						
Illinois.....	51.3	10,841	3.41	7.97	185.5	40.21
Indiana.....	826.6	10,901	2.26	8.78	142.3	31.01
Kentucky.....	120.1	11,907	1.49	9.48	114.9	27.37
West Virginia.....	146.5	12,744	.77	8.82	115.4	29.41
<b>Total.....</b>	<b>1,144.5</b>	<b>11,240</b>	<b>2.04</b>	<b>8.82</b>	<b>137.2</b>	<b>30.84</b>
<b>1993</b>						
Illinois.....	11.8	11,792	1.52	6.70	102.7	24.23
Indiana.....	466.6	10,994	2.12	8.81	137.1	30.14
Kentucky.....	58.3	11,923	1.70	11.59	122.2	29.13
Pennsylvania.....	173.7	13,213	2.53	7.34	132.3	34.97
Indonesia.....	11.1	9,242	.13	1.35	104.8	19.38
<b>Total.....</b>	<b>721.5</b>	<b>11,589</b>	<b>2.14</b>	<b>8.53</b>	<b>133.6</b>	<b>30.96</b>
<b>1994</b>						
Illinois.....	362.8	11,905	1.53	7.19	130.0	30.96
Indiana.....	326.8	11,062	1.82	8.77	121.5	26.88
Kentucky.....	304.0	11,849	1.73	11.81	132.6	31.42
Pennsylvania.....	492.1	13,237	2.29	7.59	112.9	29.89
West Virginia.....	31.9	12,451	1.30	10.41	121.3	30.20
<b>Total.....</b>	<b>1,517.6</b>	<b>12,155</b>	<b>1.88</b>	<b>8.65</b>	<b>122.6</b>	<b>29.81</b>
<b>1995</b>						
Illinois.....	445.0	11,913	1.43	7.05	123.4	29.41
Indiana.....	133.3	11,064	1.31	9.65	116.2	25.72
Pennsylvania.....	547.4	13,131	2.35	7.97	102.4	26.90
<b>Total.....</b>	<b>1,125.7</b>	<b>12,405</b>	<b>1.86</b>	<b>7.80</b>	<b>111.9</b>	<b>27.75</b>
<b>1996</b>						
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
<b>Total.....</b>	<b>1,000.0</b>	<b>12,555</b>	<b>1.99</b>	<b>7.64</b>	<b>111.0</b>	<b>27.87</b>

See footnotes at the end of Table A7.

**Table A7. Cost and Quality of All Coal Received at Electric Utility Plants that Import Coal by Origin, 1991-1997 (Continued)**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality <sup>1</sup>			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
<b>Company and Plant: Public Serv Co of Indiana, Gallagher</b>						
<b>1997</b>						
January - March						
Illinois .....	53.1	11,858	1.21	6.89	115.7	27.43
Indiana .....	1.6	11,399	1.44	6.30	106.2	24.21
Kentucky .....	10.0	12,167	2.28	10.18	115.6	28.14
Pennsylvania .....	118.3	12,982	2.23	7.83	102.4	26.60
West Virginia .....	35.0	13,098	2.16	7.36	104.7	27.44
<b>Total .....</b>	<b>218.0</b>	<b>12,678</b>	<b>1.96</b>	<b>7.62</b>	<b>106.4</b>	<b>26.99</b>
April - June						
Indiana .....	1.8	10,464	2.44	9.80	115.5	24.17
Pennsylvania .....	142.2	13,115	2.35	7.96	103.3	27.10
West Virginia .....	19.3	13,181	2.15	7.50	105.9	27.92
<b>Total .....</b>	<b>163.3</b>	<b>13,093</b>	<b>2.33</b>	<b>7.93</b>	<b>103.7</b>	<b>27.17</b>
<b>Year to Date</b>						
Illinois .....	53.1	11,858	1.21	6.89	115.7	27.43
Indiana .....	3.4	10,904	1.97	8.15	110.9	24.19
Kentucky .....	10.0	12,167	2.28	10.18	115.6	28.14
Pennsylvania .....	260.5	13,055	2.29	7.90	102.9	26.87
West Virginia .....	54.3	13,127	2.16	7.41	105.2	27.61
<b>Total .....</b>	<b>381.3</b>	<b>12,856</b>	<b>2.12</b>	<b>7.75</b>	<b>105.3</b>	<b>27.06</b>
<b>Company and Plant: Public Serv Co of New Hampshire, Merrimack</b>						
<b>1991</b>						
Pennsylvania .....	740.1	13,249	1.51	6.57	176.2	46.68
West Virginia .....	219.6	13,411	2.41	6.82	165.9	44.48
<b>Total .....</b>	<b>959.7</b>	<b>13,286</b>	<b>1.71</b>	<b>6.63</b>	<b>173.8</b>	<b>46.18</b>
<b>1992</b>						
Pennsylvania .....	671.5	13,266	1.57	6.30	171.5	45.50
West Virginia .....	331.8	13,416	2.27	6.94	161.4	43.30
<b>Total .....</b>	<b>1,003.3</b>	<b>13,316</b>	<b>1.80</b>	<b>6.51</b>	<b>168.1</b>	<b>44.77</b>
<b>1993</b>						
Pennsylvania .....	661.6	13,240	1.63	6.42	165.9	43.92
West Virginia .....	388.6	13,225	2.27	7.59	155.3	41.07
Indonesia .....	21.2	12,620	.49	3.80	186.5	47.07
Venezuela .....	24.9	12,920	.58	6.00	163.2	42.17
<b>Total .....</b>	<b>1,096.3</b>	<b>13,216</b>	<b>1.81</b>	<b>6.77</b>	<b>162.4</b>	<b>42.93</b>
<b>1994</b>						
Pennsylvania .....	706.9	13,176	1.57	6.61	156.5	41.25
West Virginia .....	272.1	13,253	2.34	7.50	147.8	39.17
<b>Total .....</b>	<b>979.0</b>	<b>13,197</b>	<b>1.78</b>	<b>6.86</b>	<b>154.1</b>	<b>40.67</b>
<b>1995</b>						
Pennsylvania .....	759.3	13,203	1.49	6.90	161.1	42.53
Virginia .....	19.1	13,910	.68	7.00	203.5	56.61
West Virginia .....	223.3	13,366	2.29	6.28	141.7	37.89
Colombia .....	11.5	11,578	.53	3.80	192.9	44.67
<b>Total .....</b>	<b>1,013.2</b>	<b>13,234</b>	<b>1.64</b>	<b>6.73</b>	<b>157.9</b>	<b>41.80</b>
<b>1996</b>						
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
<b>Total .....</b>	<b>1,049.3</b>	<b>13,236</b>	<b>1.69</b>	<b>6.57</b>	<b>160.6</b>	<b>42.52</b>
<b>1997</b>						
January - March						
Pennsylvania .....	245.4	13,250	1.46	7.11	165.3	43.80
West Virginia .....	68.7	13,410	2.22	6.76	147.7	39.61
<b>Total .....</b>	<b>314.0</b>	<b>13,285</b>	<b>1.62</b>	<b>7.03</b>	<b>161.4</b>	<b>42.88</b>
April - June						
Pennsylvania .....	180.2	13,254	1.40	6.92	165.5	43.86
West Virginia .....	76.5	13,364	2.39	6.93	147.6	39.46
<b>Total .....</b>	<b>256.8</b>	<b>13,286</b>	<b>1.69</b>	<b>6.92</b>	<b>160.1</b>	<b>42.55</b>
<b>Year to Date</b>						
Pennsylvania .....	425.6	13,252	1.43	7.03	165.4	43.82
West Virginia .....	145.2	13,385	2.31	6.85	147.7	39.53
<b>Total .....</b>	<b>570.8</b>	<b>13,286</b>	<b>1.65</b>	<b>6.98</b>	<b>160.8</b>	<b>42.73</b>

See footnotes at the end of Table A7.

**Table A7. Cost and Quality of All Coal Received at Electric Utility Plants that Import Coal by Origin, 1991-1997 (Continued)**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality <sup>1</sup>			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
<b>Company and Plant: Public Serv Co of New Hampshire, Schiller</b>						
<b>1991</b>						
West Virginia.....	117.5	13,384	0.69	6.24	180.6	48.34
Venezuela.....	207.1	12,989	.52	5.65	173.6	45.10
<b>Total .....</b>	<b>324.6</b>	<b>13,132</b>	<b>.58</b>	<b>5.86</b>	<b>176.2</b>	<b>46.28</b>
<b>1992</b>						
Pennsylvania .....	8.3	13,080	1.46	6.25	173.0	45.26
West Virginia.....	131.9	13,252	.77	6.62	175.2	46.44
Colombia.....	48.4	12,428	.61	6.31	157.2	39.08
Venezuela.....	34.3	12,881	.58	6.76	168.0	43.29
<b>Total .....</b>	<b>222.9</b>	<b>13,010</b>	<b>.73</b>	<b>6.56</b>	<b>170.3</b>	<b>44.31</b>
<b>1993</b>						
West Virginia.....	57.6	13,238	.75	7.40	171.7	45.45
Colombia.....	52.1	12,861	.64	7.49	150.0	38.59
Indonesia.....	16.0	12,620	.49	3.80	161.3	40.71
Venezuela.....	84.3	12,972	.58	6.08	138.6	35.95
<b>Total .....</b>	<b>210.1</b>	<b>12,991</b>	<b>.63</b>	<b>6.62</b>	<b>152.3</b>	<b>39.58</b>
<b>1994</b>						
Colombia.....	163.3	12,505	.62	5.55	135.5	33.89
Indonesia.....	113.0	12,360	.53	3.58	158.7	39.23
<b>Total .....</b>	<b>276.3</b>	<b>12,446</b>	<b>.58</b>	<b>4.74</b>	<b>144.9</b>	<b>36.07</b>
<b>1995</b>						
West Virginia.....	74.1	12,997	.80	8.76	164.3	42.72
Colombia.....	122.9	12,733	.62	6.70	160.0	40.73
Indonesia.....	79.7	12,300	.52	4.56	167.8	41.28
Venezuela.....	82.4	13,044	.71	7.24	156.5	40.84
<b>Total .....</b>	<b>359.1</b>	<b>12,762</b>	<b>.66</b>	<b>6.77</b>	<b>161.8</b>	<b>41.29</b>
<b>1996</b>						
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
<b>Total .....</b>	<b>274.2</b>	<b>12,799</b>	<b>1.09</b>	<b>8.72</b>	<b>160.6</b>	<b>41.11</b>
<b>1997</b>						
January - March						
Pennsylvania.....	29.5	13,002	1.75	8.00	159.2	41.40
West Virginia.....	52.9	13,058	1.45	8.55	158.0	41.27
Venezuela.....	28.5	11,669	.88	7.90	160.0	37.34
<b>Total .....</b>	<b>111.0</b>	<b>12,686</b>	<b>1.38</b>	<b>8.24</b>	<b>158.8</b>	<b>40.29</b>
April - June						
West Virginia.....	14.8	13,068	1.37	8.50	157.7	41.22
Venezuela.....	98.9	12,707	.66	5.50	161.9	41.15
<b>Total .....</b>	<b>113.6</b>	<b>12,754</b>	<b>.75</b>	<b>5.89</b>	<b>161.3</b>	<b>41.16</b>
<b>Year to Date</b>						
Pennsylvania.....	29.5	13,002	1.75	8.00	159.2	41.40
West Virginia.....	67.7	13,060	1.43	8.54	158.0	41.26
Venezuela.....	127.4	12,475	.71	6.04	161.5	40.29
<b>Total .....</b>	<b>224.6</b>	<b>12,720</b>	<b>1.06</b>	<b>7.05</b>	<b>160.1</b>	<b>40.73</b>
<b>Company and Plant: Public Serv Electric &amp; Gas-NJ, Hudson</b>						
<b>1991</b>						
Kentucky .....	24.7	13,096	0.80	7.46	170.0	44.53
West Virginia.....	486.5	13,040	.80	7.83	184.7	48.18
<b>Total .....</b>	<b>511.2</b>	<b>13,043</b>	<b>.80</b>	<b>7.81</b>	<b>184.0</b>	<b>48.01</b>
<b>1992</b>						
Kentucky .....	189.1	13,197	.83	6.64	183.3	48.38
West Virginia.....	380.3	13,069	.82	7.36	173.1	45.24
<b>Total .....</b>	<b>569.4</b>	<b>13,111</b>	<b>.82</b>	<b>7.12</b>	<b>176.5</b>	<b>46.28</b>
<b>1993</b>						
Kentucky .....	76.0	13,336	.84	6.75	185.7	49.54
West Virginia.....	362.0	12,930	.81	7.93	188.1	48.65
<b>Total .....</b>	<b>438.0</b>	<b>13,000</b>	<b>.82</b>	<b>7.73</b>	<b>187.7</b>	<b>48.80</b>
<b>1994</b>						
Kentucky .....	251.3	13,158	.73	7.48	202.1	53.19
West Virginia.....	293.6	13,102	.80	7.53	202.5	53.05
Colombia.....	22.5	12,870	.68	6.90	166.9	42.96
<b>Total .....</b>	<b>567.4</b>	<b>13,118</b>	<b>.77</b>	<b>7.48</b>	<b>200.9</b>	<b>52.71</b>

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, 1991-1997 (Continued)**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality <sup>1</sup>			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
<b>Company and Plant: Public Serv Electric &amp; Gas-NJ, Hudson</b>						
<b>1995</b>						
Kentucky .....	436.3	13,082	0.65	6.77	191.2	50.02
West Virginia .....	252.1	13,070	.83	7.59	179.5	46.93
<b>Total .....</b>	<b>688.4</b>	<b>13,078</b>	<b>.71</b>	<b>7.07</b>	<b>186.9</b>	<b>48.89</b>
<b>1996</b>						
Kentucky .....	172.8	13,008	.67	7.51	178.4	46.41
West Virginia .....	536.8	12,588	.88	10.65	170.4	42.90
<b>Total .....</b>	<b>709.6</b>	<b>12,690</b>	<b>.83</b>	<b>9.88</b>	<b>172.4</b>	<b>43.76</b>
<b>1997</b>						
January - March						
Kentucky .....	106.0	13,059	.65	7.47	174.3	45.53
West Virginia .....	74.2	12,379	.96	13.10	162.0	40.11
<b>Total .....</b>	<b>180.2</b>	<b>12,779</b>	<b>.78</b>	<b>9.79</b>	<b>169.4</b>	<b>43.29</b>
April - June						
West Virginia .....	99.9	12,715	.87	10.05	173.5	44.13
<b>Total .....</b>	<b>99.9</b>	<b>12,715</b>	<b>.87</b>	<b>10.05</b>	<b>173.5</b>	<b>44.13</b>
<b>Year to Date</b>						
Kentucky .....	106.0	13,059	.65	7.47	174.3	45.53
West Virginia .....	174.1	12,572	.91	11.35	168.7	42.41
<b>Total .....</b>	<b>280.1</b>	<b>12,756</b>	<b>.81</b>	<b>9.88</b>	<b>170.9</b>	<b>43.59</b>
<b>Company and Plant: Savannah Electric and Power, Port Wentworth</b>						
<b>1991</b>						
Kentucky .....	10.3	12,308	0.97	10.84	167.7	41.27
Virginia .....	178.6	12,665	.87	9.55	165.2	41.85
<b>Total .....</b>	<b>189.0</b>	<b>12,646</b>	<b>.87</b>	<b>9.63</b>	<b>165.3</b>	<b>41.82</b>
<b>1992</b>						
Kentucky .....	3.0	11,947	1.36	13.60	132.2	31.59
Virginia .....	60.5	12,392	.98	11.96	148.1	36.71
<b>Total .....</b>	<b>63.5</b>	<b>12,371</b>	<b>1.00</b>	<b>12.04</b>	<b>147.4</b>	<b>36.46</b>
<b>1993</b>						
Kentucky .....	80.2	12,770	.98	9.66	175.8	44.91
Virginia .....	174.6	12,782	.99	10.15	173.0	44.22
West Virginia .....	5.1	12,738	.77	8.60	166.7	42.46
<b>Total .....</b>	<b>259.9</b>	<b>12,777</b>	<b>.98</b>	<b>9.97</b>	<b>173.7</b>	<b>44.40</b>
<b>1994</b>						
Kentucky .....	106.7	12,520	1.19	9.54	172.2	43.13
Virginia .....	31.6	12,543	.98	10.23	169.4	42.49
Colombia .....	11.9	11,235	.69	5.87	214.1	48.12
Venezuela .....	16.8	12,575	1.12	8.60	168.0	42.25
<b>Total .....</b>	<b>167.0</b>	<b>12,438</b>	<b>1.11</b>	<b>9.31</b>	<b>174.0</b>	<b>43.27</b>
<b>1995</b>						
Kentucky .....	9.9	11,801	.55	14.50	143.0	33.75
Virginia .....	130.3	13,124	.87	9.43	159.0	41.74
<b>Total .....</b>	<b>140.3</b>	<b>13,030</b>	<b>.85</b>	<b>9.79</b>	<b>158.0</b>	<b>41.17</b>
<b>1996</b>						
Venezuela .....	209.9	12,143	1.08	6.71	152.8	37.11
<b>Total .....</b>	<b>209.9</b>	<b>12,143</b>	<b>1.08</b>	<b>6.71</b>	<b>152.8</b>	<b>37.11</b>
<b>1997</b>						
January - March						
Venezuela .....	38.4	11,867	1.60	8.20	136.6	32.42
<b>Total .....</b>	<b>38.4</b>	<b>11,867</b>	<b>1.60</b>	<b>8.20</b>	<b>136.6</b>	<b>32.42</b>
April - June						
Venezuela .....	60.6	11,867	1.58	8.20	138.1	32.79
<b>Total .....</b>	<b>60.6</b>	<b>11,867</b>	<b>1.58</b>	<b>8.20</b>	<b>138.1</b>	<b>32.79</b>
<b>Year to Date</b>						
Venezuela .....	99.0	11,867	1.59	8.20	137.5	32.64
<b>Total .....</b>	<b>99.0</b>	<b>11,867</b>	<b>1.59</b>	<b>8.20</b>	<b>137.5</b>	<b>32.64</b>
<b>Company and Plant: Takoma Dept. of Public Utilities, Steam No.2</b>						
<b>1991</b>						
Washington .....	0.1	12,846	0.70	14.50	170.0	43.68
Canada .....	26.9	9,994	.46	12.76	209.2	41.82
<b>Total .....</b>	<b>27.0</b>	<b>10,004</b>	<b>.46</b>	<b>12.76</b>	<b>209.0</b>	<b>41.82</b>

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, 1991-1997 (Continued)**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality <sup>1</sup>			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
<b>Company and Plant: Takoma Dept. of Public Utilities, Steam No.2</b>						
<b>1992</b>						
Montana .....	4.0	9,492	0.40	4.25	169.0	32.08
Washington .....	2.3	12,366	.72	14.03	154.5	38.21
Wyoming .....	2.0	8,846	.22	4.67	181.0	32.02
Canada .....	15.3	9,993	.42	12.95	214.7	42.90
<b>Total .....</b>	<b>23.7</b>	<b>10,043</b>	<b>.43</b>	<b>10.87</b>	<b>197.5</b>	<b>39.67</b>
<b>1993</b>						
Montana .....	10.0	9,482	.37	4.10	182.6	34.63
Washington .....	2.2	10,967	.70	14.47	163.5	35.87
Canada .....	29.2	10,036	.48	12.60	179.5	36.03
<b>Total .....</b>	<b>41.4</b>	<b>9,951</b>	<b>.46</b>	<b>10.64</b>	<b>179.3</b>	<b>35.68</b>
<b>1994</b>						
Montana .....	26.4	9,465	.41	4.63	175.8	33.27
Washington .....	3.3	10,865	.72	13.30	165.3	35.91
Canada .....	6.3	9,806	.48	12.80	178.0	34.91
<b>Total .....</b>	<b>36.1</b>	<b>9,655</b>	<b>.45</b>	<b>6.87</b>	<b>175.1</b>	<b>33.81</b>
<b>1995</b>						
Montana .....	3.8	9,470	.36	4.64	180.0	34.09
Canada .....	23.8	10,066	.47	13.14	166.0	33.42
<b>Total .....</b>	<b>27.6</b>	<b>9,983</b>	<b>.46</b>	<b>11.96</b>	<b>167.8</b>	<b>33.51</b>
<b>1996</b>						
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
<b>Total .....</b>	<b>22.2</b>	<b>9,788</b>	<b>.45</b>	<b>11.47</b>	<b>174.1</b>	<b>34.09</b>
<b>1997</b>						
January - March						
Canada .....	4.4	9,979	.36	12.97	176.0	35.13
<b>Total .....</b>	<b>4.4</b>	<b>9,979</b>	<b>.36</b>	<b>12.97</b>	<b>176.0</b>	<b>35.13</b>
<b>Year to Date</b>						
Canada .....	4.4	9,979	.36	12.97	176.0	35.13
<b>Total .....</b>	<b>4.4</b>	<b>9,979</b>	<b>.36</b>	<b>12.97</b>	<b>176.0</b>	<b>35.13</b>
<b>Company and Plant: Tampa Electric, Big Bend<sup>2</sup></b>						
<b>1991</b>						
Illinois .....	1,112.9	11,046	2.95	9.16	193.5	42.74
Indiana .....	163.5	11,067	2.91	8.63	110.7	24.51
Kentucky .....	3,888.7	12,461	2.20	7.76	182.4	45.46
Pennsylvania .....	2.8	13,004	1.46	6.90	127.5	33.16
Tennessee .....	158.3	12,795	1.18	6.54	218.2	55.84
West Virginia .....	450.0	13,261	2.40	7.48	206.5	54.77
Indonesia .....	24.3	9,815	.07	1.20	227.3	44.62
<b>Total .....</b>	<b>5,800.5</b>	<b>12,211</b>	<b>2.34</b>	<b>7.97</b>	<b>185.7</b>	<b>45.34</b>
<b>1993</b>						
Illinois .....	35.2	11,194	.82	11.00	185.1	41.44
<b>Total .....</b>	<b>35.2</b>	<b>11,194</b>	<b>.82</b>	<b>11.00</b>	<b>185.1</b>	<b>41.44</b>
<b>Company and Plant: Tampa Electric, Davant Transfer</b>						
<b>1992</b>						
Colorado .....	180.6	13,092	0.45	10.01	146.5	38.37
Illinois .....	1,224.1	11,287	2.87	8.89	181.0	40.86
Kentucky .....	3,358.9	12,415	2.30	7.91	178.7	44.37
Tennessee .....	268.8	12,861	1.19	6.20	217.6	55.98
Utah .....	31.6	11,596	.39	8.20	163.8	37.99
West Virginia .....	451.8	13,137	2.38	7.64	207.1	54.41
Wyoming .....	12.3	8,887	.20	4.70	142.3	25.29
<b>Total .....</b>	<b>5,528.1</b>	<b>12,255</b>	<b>2.30</b>	<b>8.09</b>	<b>182.4</b>	<b>44.70</b>
<b>1993</b>						
Illinois .....	1,346.0	11,380	2.77	8.93	170.6	38.82
Indiana .....	18.8	11,230	3.02	10.43	123.1	27.64
Kentucky .....	2,783.2	12,425	2.20	7.94	189.3	47.05
Tennessee .....	304.6	12,740	1.12	7.02	203.7	51.89
Utah .....	186.5	11,586	.35	8.25	156.1	36.17
West Virginia .....	728.0	13,186	2.27	7.40	172.4	45.47
Colombia .....	222.2	10,844	.62	7.63	166.6	36.13
Venezuela .....	61.4	11,056	1.48	9.78	220.7	48.80

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, 1991-1997 (Continued)**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality <sup>1</sup>			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
<b>Company and Plant: Tampa Electric, Davant Transfer</b>						
<b>1993</b>						
<b>Total</b> .....	<b>5,650.8</b>	<b>12,182</b>	<b>2.16</b>	<b>8.08</b>	<b>181.9</b>	<b>44.31</b>
<b>1994</b>						
Colorado .....	422.5	12,980	.44	9.88	158.7	41.19
Illinois .....	1,874.6	11,234	2.94	9.45	164.6	36.99
Kentucky .....	2,399.8	12,268	2.49	7.39	186.9	45.85
Pennsylvania .....	70.0	13,276	2.39	7.75	132.2	35.11
Tennessee .....	276.1	12,628	1.14	7.43	215.3	54.38
West Virginia .....	626.3	13,096	2.63	7.34	167.5	43.88
Wyoming .....	117.8	8,746	.28	5.12	131.6	23.01
Indonesia .....	147.2	9,871	.09	1.10	143.0	28.24
<b>Total</b> .....	<b>5,934.5</b>	<b>11,979</b>	<b>2.33</b>	<b>8.02</b>	<b>174.8</b>	<b>41.89</b>
<b>1995</b>						
Colorado .....	810.8	12,745	.43	9.84	184.3	46.99
Illinois .....	2,370.8	11,536	2.26	8.27	170.5	39.33
Kentucky .....	1,737.5	11,818	2.62	7.35	139.0	32.86
Tennessee .....	120.2	12,565	1.12	8.66	229.2	57.59
Indonesia .....	348.9	9,696	.31	1.16	143.8	27.88
<b>Total</b> .....	<b>5,388.1</b>	<b>11,713</b>	<b>1.95</b>	<b>7.76</b>	<b>162.5</b>	<b>38.06</b>
<b>1996</b>						
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
<b>Total</b> .....	<b>6,348.2</b>	<b>11,327</b>	<b>2.04</b>	<b>6.78</b>	<b>148.3</b>	<b>33.59</b>
<b>1997</b>						
January - March						
Illinois .....	775.5	11,935	2.28	8.23	161.6	38.57
Indiana .....	4.8	11,216	.70	7.30	164.4	36.88
Kentucky .....	410.1	11,615	3.05	9.17	130.8	30.39
West Virginia .....	97.2	13,288	1.81	6.97	130.1	34.58
Wyoming .....	209.8	8,724	.45	5.22	143.1	24.97
Indonesia .....	218.8	9,482	.37	1.67	161.3	30.59
<b>Total</b> .....	<b>1,716.3</b>	<b>11,228</b>	<b>1.97</b>	<b>7.18</b>	<b>150.1</b>	<b>33.70</b>
April - June						
Illinois .....	757.1	11,957	2.46	8.67	161.0	38.51
Kentucky .....	493.0	11,588	3.10	9.71	128.9	29.88
West Virginia .....	152.0	13,220	2.01	7.25	130.1	34.40
Wyoming .....	309.8	8,714	.44	5.24	142.1	24.77
Indonesia .....	68.2	9,521	.32	1.50	163.3	31.10
<b>Total</b> .....	<b>1,780.1</b>	<b>11,305</b>	<b>2.16</b>	<b>7.96</b>	<b>146.4</b>	<b>33.09</b>
<b>Year to Date</b>						
Illinois .....	1,532.6	11,946	2.37	8.45	161.3	38.54
Indiana .....	4.8	11,216	.70	7.30	164.4	36.88
Kentucky .....	903.1	11,600	3.08	9.46	129.8	30.11
West Virginia .....	249.2	13,246	1.93	7.14	130.1	34.47
Wyoming .....	519.6	8,718	.44	5.23	142.5	24.85
Indonesia .....	287.0	9,492	.36	1.63	161.8	30.71
<b>Total</b> .....	<b>3,496.4</b>	<b>11,267</b>	<b>2.07</b>	<b>7.58</b>	<b>148.2</b>	<b>33.39</b>
<b>Company and Plant: United Illuminating Co, Bridgeport Harbor</b>						
<b>1991</b>						
Kentucky .....	871.0	13,238	0.55	6.07	216.6	57.35
<b>Total</b> .....	<b>871.0</b>	<b>13,238</b>	<b>.55</b>	<b>6.07</b>	<b>216.6</b>	<b>57.35</b>
<b>1992</b>						
Kentucky .....	772.0	13,162	.55	6.25	195.5	51.47
West Virginia .....	21.0	13,351	.67	6.20	168.9	45.10
<b>Total</b> .....	<b>793.0</b>	<b>13,167</b>	<b>.55</b>	<b>6.25</b>	<b>194.8</b>	<b>51.30</b>
<b>1993</b>						
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
<b>Total</b> .....	<b>740.0</b>	<b>13,144</b>	<b>.55</b>	<b>6.95</b>	<b>170.4</b>	<b>44.80</b>

See footnotes at the end of Table A7.



**Table A7. Cost and Quality of All Coal Received at Electric Utility Plants that Import Coal by Origin, 1991-1997 (Continued)**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality <sup>1</sup>			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
<b>Company and Plant: United Illuminating Co, Bridgeport Harbor</b>						
<b>1994</b>						
Kentucky .....	809.0	13,080	0.53	7.41	177.6	46.46
West Virginia .....	54.0	13,306	.64	6.97	173.8	46.25
<b>Total .....</b>	<b>863.0</b>	<b>13,094</b>	<b>.54</b>	<b>7.38</b>	<b>177.4</b>	<b>46.45</b>
<b>1995</b>						
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
<b>Total .....</b>	<b>841.0</b>	<b>13,110</b>	<b>.56</b>	<b>7.05</b>	<b>188.1</b>	<b>49.33</b>
<b>1996</b>						
Kentucky .....	903.0	13,098	.54	7.24	191.2	50.09
Venezuela .....	28.0	13,174	.61	4.10	185.0	48.74
<b>Total .....</b>	<b>931.0</b>	<b>13,100</b>	<b>.54</b>	<b>7.14</b>	<b>191.0</b>	<b>50.05</b>
<b>1997</b>						
January - March						
Kentucky .....	191.0	13,092	.55	7.26	192.5	50.41
Virginia .....	4.0	13,830	.72	5.27	184.2	50.94
West Virginia .....	22.5	13,151	.61	6.57	187.8	49.40
<b>Total .....</b>	<b>217.5</b>	<b>13,112</b>	<b>.56</b>	<b>7.15</b>	<b>191.9</b>	<b>50.31</b>
April - June						
Kentucky .....	214.0	13,103	.53	7.73	193.1	50.60
West Virginia .....	116.6	13,253	.63	6.85	190.7	50.54
<b>Total .....</b>	<b>330.6</b>	<b>13,156</b>	<b>.56</b>	<b>7.42</b>	<b>192.2</b>	<b>50.58</b>
<b>Year to Date</b>						
Kentucky .....	405.0	13,098	.54	7.51	192.8	50.51
Virginia .....	4.0	13,830	.72	5.27	184.2	50.94
West Virginia .....	139.1	13,236	.63	6.80	190.2	50.35
<b>Total .....</b>	<b>548.1</b>	<b>13,138</b>	<b>.56</b>	<b>7.31</b>	<b>192.1</b>	<b>50.47</b>
<b>Total of U.S. Electric Utility Plants</b>						
<b>1991</b>						
Colorado .....	1,733.6	10,753	0.38	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
Colombia .....	1,582.6	11,978	.73	7.04	153.1	36.68
Indonesia .....	24.3	9,815	.07	1.20	227.3	44.62
Venezuela .....	333.0	13,080	.59	6.54	166.2	43.47
<b>Total .....</b>	<b>36,837.9</b>	<b>11,894</b>	<b>1.32</b>	<b>7.82</b>	<b>173.1</b>	<b>41.18</b>
<b>1992</b>						
Alabama .....	71.9	12,060	2.75	12.94	120.6	29.09
Colorado .....	1,961.3	11,088	.40	6.66	198.7	44.06
Illinois .....	3,933.7	11,729	2.79	8.55	190.4	44.67
Indiana .....	826.6	10,901	2.26	8.78	142.3	31.01
Kentucky .....	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
<b>Total .....</b>	<b>37,182.4</b>	<b>11,806</b>	<b>1.29</b>	<b>7.93</b>	<b>167.6</b>	<b>39.58</b>

See footnotes at the end of Table A7.

**Table A7. Cost and Quality of All Coal Received at Electric Utility Plants that Import Coal by Origin, 1991-1997 (Continued)**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality <sup>1</sup>			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
<b>Total of U.S. Electric Utility Plants</b>						
<b>1993</b>						
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
<b>Total .....</b>	<b>37,693.7</b>	<b>11,713</b>	<b>1.19</b>	<b>7.74</b>	<b>164.8</b>	<b>38.61</b>
<b>1994</b>						
Alabama .....	1.5	12,241	2.87	10.00	204.1	49.97
Colorado .....	2,861.0	11,189	.42	8.16	181.7	40.67
Illinois .....	4,198.2	11,616	2.44	8.40	164.4	38.19
Indiana .....	326.8	11,062	1.82	8.77	121.5	26.88
Kentucky .....	7,872.9	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
<b>Total .....</b>	<b>41,511.6</b>	<b>11,672</b>	<b>1.12</b>	<b>7.82</b>	<b>162.1</b>	<b>37.85</b>
<b>1995</b>						
Colorado .....	3,530.8	11,476	.42	8.41	170.8	39.19
Illinois .....	4,594.4	11,754	1.95	7.81	170.7	40.12
Indiana .....	133.3	11,064	1.31	9.65	116.2	25.72
Kentucky .....	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
<b>Total .....</b>	<b>39,061.4</b>	<b>11,573</b>	<b>.97</b>	<b>7.66</b>	<b>161.9</b>	<b>37.47</b>
<b>1996</b>						
Colorado .....	2,470.0	10,807	.41	6.65	143.2	30.95
Illinois .....	5,346.5	11,951	2.04	7.42	171.3	40.95
Indiana .....	18.1	11,256	1.58	7.15	97.7	21.99
Kentucky .....	9,175.1	12,517	1.34	8.49	161.6	40.46
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

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, 1991-1997 (Continued)**

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality <sup>1</sup>			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
<b>Total of U.S. Electric Utility Plants</b>						
<b>1996</b>						
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.....	10,306.4	12,574	1.08	10.28	153.1	38.49
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	43.58
<b>Total .....</b>	<b>43,231.4</b>	<b>11,537</b>	<b>1.05</b>	<b>7.60</b>	<b>156.8</b>	<b>36.17</b>
<b>1997</b>						
<b>January - March</b>						
Alabama .....	28.6	11,900	3.33	12.40	204.2	48.60
Colorado .....	332.5	10,406	.36	5.66	132.4	27.55
Illinois .....	1,271.5	11,966	1.85	7.70	184.0	44.03
Indiana .....	6.4	11,262	.88	7.05	149.7	33.72
Kentucky.....	1,995.8	12,426	1.45	8.81	167.2	41.55
Maryland.....	.2	13,208	1.38	9.26	146.7	38.75
Montana.....	749.3	9,394	.39	4.61	141.3	26.54
Ohio .....	16.6	11,319	2.78	12.45	90.0	20.37
Pennsylvania.....	496.2	12,946	1.65	8.48	143.4	37.14
Virginia.....	28.9	13,080	.86	9.21	165.5	43.31
West Virginia .....	2,455.4	12,663	.94	10.25	159.1	40.29
Wyoming.....	1,800.4	8,545	.43	5.25	157.9	26.98
Canada .....	4.4	9,979	.36	12.97	176.0	35.13
Colombia.....	336.6	11,964	.68	6.72	167.7	40.12
Indonesia.....	218.8	9,482	.37	1.67	161.3	30.59
Venezuela .....	164.2	12,530	.93	7.41	161.8	40.55
<b>Total .....</b>	<b>9,905.8</b>	<b>11,367</b>	<b>1.03</b>	<b>7.71</b>	<b>161.7</b>	<b>36.76</b>
<b>April - June</b>						
Alabama .....	164.9	12,115	2.18	12.80	171.2	41.48
Colorado .....	296.3	10,390	.39	6.08	131.9	27.42
Illinois .....	1,062.5	11,994	2.12	8.21	173.3	41.58
Indiana .....	1.8	10,464	2.44	9.80	115.5	24.17
Kentucky.....	2,046.8	12,382	1.55	9.27	161.5	39.99
Maryland.....	39.0	13,048	1.42	9.16	148.6	38.77
Montana.....	778.9	9,059	.40	4.67	145.3	26.33
Ohio .....	42.5	12,002	2.80	11.35	86.2	20.68
Pennsylvania.....	683.8	12,654	1.67	10.14	137.9	34.90
Virginia.....	50.7	13,258	.88	8.52	155.9	41.34
West Virginia .....	2,793.3	12,625	.93	10.50	157.9	39.88
Wyoming.....	2,204.1	8,542	.44	5.22	146.8	25.08
Colombia.....	738.9	11,947	.68	6.94	152.1	36.35
Indonesia.....	68.2	9,521	.32	1.50	163.3	31.10
Venezuela .....	331.7	12,851	.84	6.16	161.7	41.56
<b>Total .....</b>	<b>11,303.5</b>	<b>11,361</b>	<b>1.06</b>	<b>8.10</b>	<b>155.5</b>	<b>35.33</b>
<b>Year to Date</b>						
Alabama .....	193.5	12,083	2.35	12.74	176.0	42.53
Colorado .....	628.8	10,399	.37	5.86	132.2	27.49
Illinois .....	2,334.0	11,979	1.97	7.93	179.1	42.91
Indiana .....	8.2	11,087	1.23	7.65	142.6	31.62
Kentucky.....	4,042.6	12,404	1.50	9.04	164.3	40.76
Maryland.....	39.2	13,048	1.42	9.16	148.6	38.77
Montana.....	1,528.2	9,223	.40	4.64	143.3	26.43
Ohio .....	59.1	11,810	2.80	11.66	87.2	20.59
Pennsylvania.....	1,180.0	12,777	1.66	9.44	140.2	35.84
Virginia.....	79.6	13,193	.87	8.77	159.4	42.05
West Virginia .....	5,248.7	12,643	.94	10.38	158.5	40.07
Wyoming.....	4,004.5	8,543	.43	5.24	151.8	25.94
Canada .....	4.4	9,979	.36	12.97	176.0	35.13
Colombia.....	1,075.5	11,952	.68	6.87	157.0	37.53
Indonesia.....	287.0	9,492	.36	1.63	161.8	30.71
Venezuela .....	495.9	12,745	.87	6.58	161.7	41.23
<b>Total .....</b>	<b>21,209.2</b>	<b>11,364</b>	<b>1.05</b>	<b>7.92</b>	<b>158.4</b>	<b>36.00</b>

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

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

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

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

# **Appendix B**

## **Metric Tables**

## Appendix B

### Metric Tables

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

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

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

**Table B1. U.S. Coal Production, Imports, Consumption, Exports, and Stocks, 1991-1997**  
(Thousand Metric Tons)

Year and Quarter	Production	Imports	Producer and Distributor Stocks <sup>1</sup>	Consumption	Exports	Consumer Stocks <sup>1</sup>
<b>1991 January - March</b> .....	231,102	851	38,249	198,863	20,247	155,568
April - June .....	215,008	662	37,243	189,381	23,781	157,544
July - September .....	228,101	893	30,507	214,180	28,302	148,651
October - December.....	229,331	669	29,911	202,812	26,526	152,145
<b>Total</b> .....	<b>903,542</b>	<b>3,075</b>		<b>805,236</b>	<b>98,855</b>	
<b>1992 January - March</b> .....	232,200	616	36,154	200,119	22,436	152,980
April - June .....	220,205	947	36,753	190,542	24,503	157,188
July - September .....	225,939	800	31,931	215,636	24,023	146,854
October - December.....	226,614	1,087	30,838	203,293	22,039	148,499
<b>Total</b> .....	<b>904,958</b>	<b>3,450</b>		<b>809,591</b>	<b>93,001</b>	
<b>1993 January - March</b> .....	220,824	1,101	34,884	207,895	17,118	138,453
April - June .....	212,055	991	31,595	194,882	18,095	140,470
July - September .....	206,050	1,944	24,660	226,680	16,803	110,594
October - December.....	218,747	2,595	22,937	210,546	15,586	109,278
<b>Total</b> .....	<b>857,675</b>	<b>6,631</b>		<b>840,003</b>	<b>67,603</b>	
<b>1994 January - March</b> .....	231,471	1,678	30,971	215,544	13,496	101,857
April - June .....	233,114	1,430	32,439	202,434	16,275	114,935
July - September .....	236,642	2,090	29,896	223,004	17,875	109,974
October - December.....	236,353	1,681	30,136	202,883	17,089	123,504
<b>Total</b> .....	<b>937,580</b>	<b>6,880</b>		<b>843,865</b>	<b>64,735</b>	
<b>1995 January - March</b> .....	241,533	1,629	38,519	206,562	17,226	130,638
April - June .....	225,538	1,460	38,196	197,309	21,032	137,581
July - September .....	233,234	1,565	32,833	235,338	20,116	119,512
October - December.....	233,856	1,879	31,247	214,344	21,955	122,142
<b>Total</b> .....	<b>934,162</b>	<b>6,533</b>		<b>853,552</b>	<b>80,329</b>	
<b>1996 January - March</b> .....	235,646	1,554	33,430	220,772	18,611	113,180
April - June .....	238,950	1,408	33,878	207,985	20,901	121,805
July - September .....	246,861	1,878	30,645	235,557	21,322	115,752
October - December.....	243,656	1,624	25,989	227,752	21,241	111,606
<b>Total</b> .....	<b>965,114</b>	<b>6,464</b>		<b>892,066</b>	<b>82,075</b>	
<b>1997 January - March</b> .....	248,503	1,208	34,059	222,998	18,154	108,723
April - June .....	244,669	1,549	38,581	211,324	18,691	116,199
<b>Total</b> .....	<b>493,171</b>	<b>2,757</b>		<b>434,322</b>	<b>36,845</b>	

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

Notes: Consumption data for 1991 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 1991 through 1996, these excluded EIA quarterly estimated consumption data are: 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, 1991-1997**  
(Thousand Metric Tons)

Year and Quarter	Electric Utilities	Coke Plants	Other Industrial	Residential and Commercial	Total
<b>1991 January - March</b> .....	171,722	7,521	17,797	1,822	198,863
April - June .....	165,550	7,326	15,549	957	189,381
July - September .....	188,815	7,962	16,376	1,027	214,180
October - December .....	174,502	7,902	18,685	1,723	202,812
<b>Total</b> .....	<b>700,590</b>	<b>30,712</b>	<b>68,406</b>	<b>5,529</b>	<b>805,236</b>
<b>1992 January - March</b> .....	173,410	7,566	17,472	1,672	200,119
April - June .....	166,474	7,345	15,680	1,042	190,542
July - September .....	190,889	7,439	16,187	1,121	215,636
October - December .....	176,704	7,012	17,831	1,746	203,293
<b>Total</b> .....	<b>707,477</b>	<b>29,362</b>	<b>67,170</b>	<b>5,582</b>	<b>809,591</b>
<b>1993 January - March</b> .....	181,695	7,060	17,492	1,648	207,895
April - June .....	170,321	7,154	16,179	1,229	194,882
July - September .....	202,431	7,222	16,034	993	226,680
October - December .....	183,556	6,980	18,236	1,774	210,546
<b>Total</b> .....	<b>738,002</b>	<b>28,416</b>	<b>67,941</b>	<b>5,644</b>	<b>840,003</b>
<b>1994 January - March</b> .....	188,617	7,034	18,063	1,829	215,544
April - June .....	178,039	7,225	16,093	1,077	202,434
July - September .....	198,325	7,208	16,441	1,030	223,004
October - December .....	176,433	7,327	17,604	1,519	202,883
<b>Total</b> .....	<b>741,415</b>	<b>28,794</b>	<b>68,201</b>	<b>5,455</b>	<b>843,865</b>
<b>1995 January - March</b> .....	180,332	7,384	17,359	1,486	206,562
April - June .....	173,369	7,522	15,482	936	197,309
July - September .....	210,497	7,557	16,321	964	235,338
October - December .....	187,865	7,485	17,113	1,881	214,344
<b>Total</b> .....	<b>752,063</b>	<b>29,947</b>	<b>66,275</b>	<b>5,268</b>	<b>853,552</b>
<b>1996 January - March</b> .....	195,033	7,219	16,885	1,634	220,772
April - June .....	184,349	7,226	15,320	1,090	207,985
July - September .....	211,926	7,272	15,269	1,090	235,557
October - December .....	202,189	7,046	16,883	1,634	227,752
<b>Total</b> .....	<b>793,498</b>	<b>28,763</b>	<b>64,357</b>	<b>5,448</b>	<b>892,066</b>
<b>1997 January - March</b> .....	197,925	6,886	16,553	1,634	222,998
April - June .....	188,105	6,683	15,446	1,090	211,324
<b>Total</b> .....	<b>386,030</b>	<b>13,569</b>	<b>31,999</b>	<b>2,724</b>	<b>434,322</b>

Notes: Consumption data for 1991 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 1991 through 1996, these excluded quarterly estimated consumption data are: 1361, 2268, 2800, 3434, 4747, 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, 1991-1997**  
(Thousand Metric Tons)

Last Day of Quarter	Coal Consumers <sup>1</sup>				Coal Producers and Distributors	Total
	Electric Utilities	Coke Plants	Other Industrial <sup>2</sup>	Total		
<b>1991 March 31</b> .....	146,133	2,839	6,596	155,568	38,249	193,818
June 30 .....	148,288	2,978	6,278	157,544	37,243	194,787
September 30 .....	139,622	2,445	6,584	148,651	30,507	179,158
December 31 .....	143,223	2,516	6,406	152,145	29,911	182,056
<b>1992 March 31</b> .....	145,178	2,608	5,194	152,980	36,154	189,135
June 30 .....	148,938	2,519	5,731	157,188	36,753	193,941
September 30 .....	138,513	2,009	6,331	146,854	31,931	178,785
December 31 .....	139,824	2,356	6,318	148,499	30,838	179,337
<b>1993 March 31</b> .....	130,614	2,549	5,290	138,453	34,884	173,338
June 30 .....	132,225	2,739	5,507	140,470	31,595	172,065
September 30 .....	102,360	2,300	5,933	110,594	24,660	135,254
December 31 .....	101,007	2,179	6,093	109,278	22,937	132,215
<b>1994 March 31</b> .....	95,423	2,025	4,408	101,857	30,971	132,827
June 30 .....	107,403	2,503	5,029	114,935	32,439	147,373
September 30 .....	101,889	2,455	5,630	109,974	29,896	139,870
December 31 .....	115,119	2,410	5,974	123,504	30,136	153,639
<b>1995 March 31</b> .....	123,176	2,467	4,995	130,638	38,519	169,157
June 30 .....	130,076	2,381	5,124	137,581	38,196	175,777
September 30 .....	111,790	2,246	5,476	119,512	32,833	152,345
December 31 .....	114,582	2,388	5,173	122,142	31,247	153,390
<b>1996 March 31</b> .....	106,817	2,344	4,020	113,180	33,430	146,611
June 30 .....	115,304	2,360	4,142	121,805	33,878	155,683
September 30 .....	108,390	2,553	4,809	115,752	30,645	146,397
December 31 .....	104,026	2,419	5,161	111,606	25,989	137,595
<b>1997 March 31</b> .....	102,425	2,152	4,146	108,723	34,059	142,782
June 30 .....	110,031	1,860	4,308	116,199	38,581	154,780

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

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

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

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



**Table B4. U.S. Coal Exports and Imports, 1991-1997**  
(Thousand Metric Tons, Dollars per Metric Ton)

Year	1991	1992	1993	1994	1995	1996	1997
<b>January - March</b>							
<b>Exports</b>							
Quantity.....	20,247	22,436	17,118	13,496	17,226	18,611	18,154
Price .....	\$49.14	\$46.61	\$46.80	\$46.18	\$43.98	\$46.04	\$45.99
<b>Imports</b>							
Quantity.....	851	616	1,101	1,678	1,629	1,554	1,208
Price .....	\$37.16	\$37.07	\$33.84	\$31.81	\$35.64	\$36.95	\$37.31
<b>April - June</b>							
<b>Exports</b>							
Quantity.....	23,781	24,503	18,095	16,275	21,032	20,901	18,691
Price .....	\$47.37	\$45.57	\$45.66	\$44.10	\$43.64	\$44.95	\$44.97
<b>Imports</b>							
Quantity.....	662	947	991	1,430	1,460	1,408	1,549
Price .....	\$38.14	\$36.33	\$35.56	\$31.67	\$39.86	\$35.78	\$38.87
<b>July - September</b>							
<b>Exports</b>							
Quantity.....	28,302	24,023	16,803	17,875	20,116	21,322	-
Price .....	\$45.76	\$44.86	\$44.89	\$42.84	\$45.18	\$44.68	-
<b>Imports</b>							
Quantity.....	893	800	1,944	2,090	1,565	1,878	-
Price .....	\$34.67	\$37.95	\$32.54	\$34.08	\$37.05	\$36.59	-
<b>October - December</b>							
<b>Exports</b>							
Quantity.....	26,526	22,039	15,586	17,089	21,955	21,241	-
Price .....	\$45.36	\$45.27	\$45.19	\$43.46	\$44.70	\$44.18	-
<b>Imports</b>							
Quantity.....	669	1,087	2,595	1,681	1,879	1,624	-
Price .....	\$36.55	\$36.46	\$31.87	\$35.20	\$38.07	\$38.08	-
<b>Total</b>							
<b>Exports</b>							
Quantity.....	98,855	93,001	67,603	64,735	80,329	82,075	36,845
Price .....	\$46.73	\$45.57	\$45.65	\$44.02	\$44.39	\$44.93	-
<b>Imports</b>							
Quantity.....	3,075	3,450	6,631	6,880	6,533	6,464	2,757
Price .....	\$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	April - June 1997	January - March 1997	April - June 1996	Year to date		
				1997	1996	Percent Change
<b>North America Total</b> .....	<b>3,684,404</b>	<b>1,711,861</b>	<b>2,670,793</b>	<b>5,396,265</b>	<b>3,338,898</b>	<b>61.6</b>
Canada <sup>1</sup> .....	3,234,081	1,319,213	2,501,857	4,553,294	2,964,672	53.6
Jamaica.....	12,937	12,322	—	25,259	8,816	186.5
Mexico.....	437,386	375,231	150,362	812,617	346,610	134.4
Other <sup>2</sup> .....	—	5,095	18,574	5,095	18,800	-72.9
<b>South America Total</b> .....	<b>1,834,021</b>	<b>1,944,887</b>	<b>1,847,901</b>	<b>3,778,908</b>	<b>3,274,144</b>	<b>15.4</b>
Argentina.....	14,403	146,070	126,807	160,473	163,523	-1.9
Brazil.....	1,659,182	1,746,906	1,573,136	3,406,088	2,817,172	20.9
Chile.....	82,117	4,973	144,815	87,090	281,440	-69.1
Other <sup>2</sup> .....	78,319	46,938	3,143	125,257	12,009	( <sup>3</sup> )
<b>Europe Total</b> .....	<b>9,794,177</b>	<b>10,051,393</b>	<b>11,164,555</b>	<b>19,845,570</b>	<b>22,459,307</b>	<b>-11.6</b>
Belgium & Luxembourg.....	753,638	1,253,631	1,089,013	2,007,269	2,388,028	-15.9
Bulgaria.....	399,893	202,028	365,021	601,921	698,812	-13.9
Denmark.....	98,978	104,999	274,483	203,977	665,632	-69.4
Finland.....	185,412	—	238,069	185,412	284,621	-34.9
France.....	808,665	846,860	852,675	1,655,525	1,794,343	-7.7
Germany, FR.....	269,540	118,425	279,979	387,965	605,653	-35.9
Ireland.....	107,611	239,055	—	346,666	223,762	54.9
Italy.....	1,687,254	1,569,512	2,371,360	3,256,766	4,913,464	-33.7
Netherlands.....	842,859	1,524,384	1,460,334	2,367,243	3,331,234	-28.9
Norway.....	33,956	15,697	16,187	49,653	29,457	68.6
Portugal.....	332,672	183,576	236,275	516,248	467,185	10.5
Romania.....	659,435	270,866	354,538	930,301	622,790	49.4
Spain.....	1,049,042	905,344	1,164,369	1,954,386	1,990,129	-1.8
Sweden.....	80,064	73,912	190,883	153,976	333,756	-53.9
Turkey.....	596,422	540,849	578,819	1,137,271	1,026,590	10.8
United Kingdom.....	1,875,191	2,187,034	1,505,425	4,062,225	2,876,348	41.2
Other <sup>2</sup> .....	13,545	15,221	187,125	28,766	207,503	-86.1
<b>Asia Total</b> .....	<b>2,923,688</b>	<b>3,588,197</b>	<b>4,102,065</b>	<b>6,511,885</b>	<b>8,257,810</b>	<b>-21.1</b>
China (Taiwan).....	348,648	581,034	590,906	929,682	1,126,352	-17.5
Israel.....	41,125	259,730	231,889	300,855	456,115	-34.0
Japan.....	1,657,256	2,141,348	2,414,853	3,798,604	4,901,895	-22.5
Korea, Republic of.....	875,236	574,560	852,527	1,449,796	1,746,012	-17.0
Other <sup>2</sup> .....	1,423	31,525	11,890	32,948	27,436	20.1
<b>Oceania &amp; Australia Total</b> .....	<b>553</b>	<b>—</b>	<b>92</b>	<b>553</b>	<b>92</b>	<b>(<sup>3</sup>)</b>
<b>Africa Total</b> .....	<b>454,128</b>	<b>857,404</b>	<b>1,115,339</b>	<b>1,311,532</b>	<b>2,181,958</b>	<b>-39.9</b>
Algeria.....	49,922	49,877	49,892	99,799	104,243	-4.3
Egypt.....	232,087	344,630	230,696	576,717	493,552	16.9
Morocco.....	—	128,802	608,008	128,802	1,084,466	-88.1
South Africa, Rep of.....	171,821	334,095	226,743	505,916	499,697	1.2
Other <sup>2</sup> .....	298	—	—	298	—	—
<b>Total</b> .....	<b>18,690,971</b>	<b>18,153,742</b>	<b>20,900,745</b>	<b>36,844,713</b>	<b>39,512,209</b>	<b>-6.8</b>

<sup>1</sup> Based on the U.S. - Canada Free Trade Agreement; as of January 1990, the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government.

<sup>2</sup> Includes countries with exports less than or equal to 50,000 short tons (45,359 metric tons) in 1996.

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

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

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

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

Continent and Country of Destination	April - June 1997	January - March 1997	April - June 1996	Year to date		
				1997	1996	Percent Change
<b>North America Total</b> .....	<b>\$33.58</b>	<b>\$36.62</b>	<b>\$37.05</b>	<b>\$34.55</b>	<b>\$37.96</b>	<b>-9.0</b>
Canada <sup>1</sup> .....	32.54	34.50	36.20	33.11	36.64	-9.6
Jamaica.....	46.25	46.25	-	46.25	38.99	18.6
Mexico.....	40.74	43.37	50.74	41.97	49.17	-14.6
Other <sup>2</sup> .....	-	44.84	43.64	44.84	43.64	2.8
<b>South America Total</b> .....	<b>47.63</b>	<b>48.97</b>	<b>48.34</b>	<b>48.32</b>	<b>48.15</b>	<b>.4</b>
Argentina.....	44.92	53.11	51.94	52.38	50.27	4.2
Brazil.....	48.28	48.74	49.08	48.52	49.13	-1.2
Chile.....	37.10	43.89	35.77	37.49	35.02	7.0
Other <sup>2</sup> .....	44.99	45.10	44.92	45.03	38.02	18.4
<b>Europe Total</b> .....	<b>47.23</b>	<b>46.73</b>	<b>46.34</b>	<b>46.98</b>	<b>46.21</b>	<b>1.7</b>
Belgium & Luxembourg.....	51.91	51.01	50.13	51.35	50.78	1.1
Bulgaria.....	51.95	51.03	50.00	51.64	48.19	7.2
Denmark.....	33.95	39.85	32.46	36.99	32.98	12.2
Finland.....	45.75	-	48.94	45.75	49.09	-6.8
France.....	49.78	50.67	50.42	50.24	48.51	3.6
Germany, FR.....	50.56	47.07	39.53	49.49	39.99	23.8
Ireland.....	41.25	41.81	-	41.64	40.91	1.8
Italy.....	49.42	50.67	48.66	50.03	48.79	2.5
Netherlands.....	50.55	48.18	45.23	49.02	45.43	7.9
Norway.....	-	-	63.92	-	63.86	-
Portugal.....	39.18	42.78	42.99	40.46	41.39	-2.2
Romania.....	52.91	49.13	50.63	51.81	50.49	2.6
Spain.....	37.58	42.04	38.71	39.64	40.41	-1.9
Sweden.....	53.28	53.25	49.34	53.27	50.94	4.6
Turkey.....	51.39	50.91	49.86	51.17	49.54	3.3
United Kingdom.....	43.65	39.99	45.31	41.68	43.67	-4.6
Other <sup>2</sup> .....	60.17	60.48	39.60	60.33	41.87	44.1
<b>Asia Total</b> .....	<b>45.07</b>	<b>43.82</b>	<b>42.72</b>	<b>44.38</b>	<b>43.76</b>	<b>1.4</b>
China (Taiwan).....	38.08	41.33	39.05	40.11	40.27	-4
Israel.....	41.00	40.89	40.00	40.90	39.24	4.2
Japan.....	44.25	43.30	42.18	43.72	43.44	.6
Korea, Republic of.....	49.63	49.87	47.25	49.72	47.98	3.6
Other <sup>2</sup> .....	44.03	38.55	63.14	38.76	56.79	-31.7
<b>Oceania &amp; Australia Total</b> .....	<b>44.95</b>	<b>-</b>	<b>44.90</b>	<b>44.95</b>	<b>44.90</b>	<b>.1</b>
<b>Africa Total</b> .....	<b>55.00</b>	<b>53.19</b>	<b>46.56</b>	<b>53.81</b>	<b>47.44</b>	<b>13.4</b>
Algeria.....	51.02	53.42	53.52	52.22	54.78	-4.7
Egypt.....	56.75	59.27	61.45	58.25	60.36	-3.5
Morocco.....	-	33.81	37.45	33.81	37.64	-10.2
South Africa, Rep of.....	53.82	54.34	54.30	54.17	54.43	-.5
Other <sup>2</sup> .....	44.87	-	-	44.87	-	-
<b>Total<sup>3</sup></b> .....	<b>44.52</b>	<b>45.78</b>	<b>44.67</b>	<b>45.14</b>	<b>45.26</b>	<b>-.3</b>
<b>U.S. Total<sup>4</sup></b> .....	<b>44.98</b>	<b>45.99</b>	<b>44.95</b>	<b>45.48</b>	<b>45.47</b>	<b>*</b>

<sup>1</sup> Based on the U.S. - Canada Free Trade Agreement; as of January 1990, the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government.

<sup>2</sup> Includes countries with exports less than or equal to 50,000 short tons (45,359 metric tons) in 1996.

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

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

\* Rounded to zero

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

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

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

Continent and Country of Destination	April - June 1997	January - March 1997	April - June 1996	Year to date		
				1997	1996	Percent Change
<b>North America Total</b> .....	<b>2,315,689</b>	<b>1,528,931</b>	<b>1,253,769</b>	<b>3,844,620</b>	<b>1,572,536</b>	<b>144.5</b>
Canada <sup>1</sup> .....	1,958,506	1,211,767	1,196,839	3,170,273	1,421,962	123.0
Jamaica.....	12,937	12,322	—	25,259	8,816	186.5
Mexico.....	344,246	299,747	38,356	643,993	122,958	423.8
Other <sup>2</sup> .....	—	5,095	18,574	5,095	18,800	-72.9
<b>South America Total</b> .....	<b>206,946</b>	<b>112,206</b>	<b>184,230</b>	<b>319,152</b>	<b>272,248</b>	<b>17.2</b>
Argentina.....	14,403	16,639	68	31,042	386	(3)
Brazil.....	32,107	43,656	36,204	75,763	49,034	54.5
Chile.....	82,117	4,973	144,815	87,090	210,998	-58.7
Other <sup>2</sup> .....	78,319	46,938	3,143	125,257	11,830	(3)
<b>Europe Total</b> .....	<b>3,096,409</b>	<b>3,436,932</b>	<b>4,459,088</b>	<b>6,533,341</b>	<b>9,149,553</b>	<b>-28.6</b>
Belgium & Luxembourg.....	73,060	267,667	247,654	340,727	467,203	-27.1
Bulgaria.....	—	—	107,515	—	107,515	—
Denmark.....	98,978	104,999	274,483	203,977	665,632	-69.4
Finland.....	54,759	—	—	54,759	—	—
France.....	63,643	119,135	135,469	182,778	440,451	-58.5
Germany, FR.....	58,347	59,134	183,682	117,481	434,071	-72.9
Ireland.....	107,611	129,448	—	237,059	223,762	5.9
Italy.....	596,243	591,864	1,185,739	1,188,107	2,282,560	-47.9
Netherlands.....	72,310	316,229	611,141	388,539	1,395,280	-72.2
Norway.....	6,022	—	4,180	6,022	4,180	44.1
Portugal.....	332,672	117,534	205,883	450,206	436,793	3.1
Spain.....	614,650	339,991	659,337	954,641	994,591	-4.0
Sweden.....	—	—	61,304	—	61,304	—
Turkey.....	451	1,159	2,372	1,610	113,354	-98.6
United Kingdom.....	1,014,894	1,386,583	607,624	2,401,477	1,350,152	77.9
Other <sup>2</sup> .....	2,769	3,189	172,705	5,958	172,705	-96.6
<b>Asia Total</b> .....	<b>1,073,420</b>	<b>1,774,335</b>	<b>2,556,619</b>	<b>2,847,755</b>	<b>4,390,598</b>	<b>-35.1</b>
China (Taiwan).....	348,648	456,085	590,906	804,733	1,002,855	-19.8
Israel.....	41,125	230,614	231,889	271,739	456,115	-40.4
Japan.....	467,875	992,678	1,388,338	1,460,553	2,369,890	-38.4
Korea, Republic of.....	214,349	74,180	344,096	288,529	555,664	-48.1
Other <sup>2</sup> .....	1,423	20,778	1,390	22,201	6,074	265.5
<b>Oceania &amp; Australia Total</b> .....	<b>553</b>	<b>—</b>	<b>92</b>	<b>553</b>	<b>92</b>	<b>(3)</b>
<b>Africa Total</b> .....	<b>525</b>	<b>129,483</b>	<b>608,008</b>	<b>130,008</b>	<b>1,085,291</b>	<b>-88.0</b>
Egypt.....	227	681	—	908	825	10.1
Morocco.....	—	128,802	608,008	128,802	1,084,466	-88.1
Other <sup>2</sup> .....	298	—	—	298	—	—
<b>Total</b> .....	<b>6,693,542</b>	<b>6,981,887</b>	<b>9,061,806</b>	<b>13,675,429</b>	<b>16,470,318</b>	<b>-17.0</b>

<sup>1</sup> Based on the U.S. - Canada Free Trade Agreement; as of January 1990, the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government.

<sup>2</sup> Includes countries with exports less than or equal to 50,000 short tons (45,359 metric tons) in 1996.

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

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

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

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

Continent and Country of Destination	April - June 1997	January - March 1997	April - June 1996	Year to date		
				1997	1996	Percent Change
<b>North America Total</b> .....	<b>\$30.30</b>	<b>\$35.44</b>	<b>\$31.40</b>	<b>\$32.37</b>	<b>\$32.89</b>	<b>-1.6</b>
Canada <sup>1</sup> .....	28.73	33.84	31.00	30.71	31.95	-3.9
Jamaica.....	46.25	46.25	-	46.25	38.99	18.6
Mexico.....	38.01	41.05	39.22	39.42	42.75	-7.8
Other <sup>2</sup> .....	-	44.84	43.64	44.84	43.64	2.8
<b>South America Total</b> .....	<b>41.17</b>	<b>47.00</b>	<b>37.73</b>	<b>43.28</b>	<b>37.79</b>	<b>14.5</b>
Argentina.....	44.92	44.99	-	44.96	-	-
Brazil.....	41.62	50.16	43.03	46.55	43.63	6.7
Chile.....	37.10	43.89	35.77	37.49	35.83	4.6
Other <sup>2</sup> .....	44.99	45.10	44.92	45.03	37.75	19.3
<b>Europe Total</b> .....	<b>35.22</b>	<b>35.84</b>	<b>37.05</b>	<b>35.55</b>	<b>37.38</b>	<b>-4.9</b>
Belgium & Luxembourg.....	40.85	40.88	39.10	40.88	39.98	2.2
Bulgaria.....	-	-	54.14	-	54.14	-
Denmark.....	33.95	39.85	32.46	36.99	32.98	12.2
Finland.....	39.90	-	-	39.90	-	-
France.....	41.00	38.20	43.15	39.18	40.22	-2.6
Germany, FR.....	41.76	41.75	32.04	41.75	34.68	20.4
Ireland.....	41.25	42.29	-	41.82	40.91	2.2
Italy.....	42.68	45.89	45.55	44.28	45.47	-2.6
Netherlands.....	34.27	35.85	34.45	35.55	35.60	-1
Portugal.....	39.18	39.00	41.77	39.14	40.71	-3.9
Spain.....	24.34	23.87	23.85	24.17	23.79	1.6
Sweden.....	-	-	41.38	-	41.38	-
Turkey.....	44.95	44.96	44.28	44.95	46.31	-2.9
United Kingdom.....	34.26	31.88	31.90	32.88	32.07	2.5
Other <sup>2</sup> .....	38.00	38.26	37.60	38.13	37.60	1.4
<b>Asia Total</b> .....	<b>38.33</b>	<b>39.43</b>	<b>39.65</b>	<b>39.01</b>	<b>39.48</b>	<b>-1.2</b>
China (Taiwan).....	38.08	39.27	39.05	38.75	39.00	-6
Israel.....	41.00	39.22	40.00	39.49	39.24	.6
Japan.....	37.91	39.91	39.98	39.27	39.85	-1.5
Korea, Republic of.....	39.10	38.54	39.13	38.96	38.98	-1
Other <sup>2</sup> .....	44.03	25.59	44.50	26.65	39.99	-33.4
<b>Oceania &amp; Australia Total</b> .....	<b>44.95</b>	<b>-</b>	<b>44.90</b>	<b>44.95</b>	<b>44.90</b>	<b>.1</b>
<b>Africa Total</b> .....	<b>44.92</b>	<b>33.87</b>	<b>37.45</b>	<b>33.91</b>	<b>37.64</b>	<b>-9.9</b>
Egypt.....	45.00	45.00	-	45.00	44.97	.1
Morocco.....	-	33.81	37.45	33.81	37.64	-10.2
Other <sup>2</sup> .....	44.87	-	-	44.87	-	-
<b>Total</b> <sup>3</sup> .....	<b>34.28</b>	<b>36.82</b>	<b>37.15</b>	<b>35.59</b>	<b>37.61</b>	<b>-5.4</b>
<b>U.S. Total</b> <sup>4</sup> .....	<b>35.55</b>	<b>37.39</b>	<b>37.83</b>	<b>36.49</b>	<b>38.14</b>	<b>-4.3</b>

<sup>1</sup> Based on the U.S. - Canada Free Trade Agreement; as of January 1990, the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government.

<sup>2</sup> Includes countries with exports less than or equal to 50,000 short tons (45,359 metric tons) in 1996.

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

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

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

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

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

Continent and Country of Destination	April - June 1997	January - March 1997	April - June 1996	Year to date		
				1997	1996	Percent Change
<b>North America Total</b> .....	<b>1,368,715</b>	<b>182,930</b>	<b>1,417,024</b>	<b>1,551,645</b>	<b>1,766,362</b>	<b>-12.2</b>
Canada <sup>1</sup> .....	1,275,575	107,446	1,305,018	1,383,021	1,542,710	-10.4
Mexico.....	93,140	75,484	112,006	168,624	223,652	-24.6
<b>South America Total</b> .....	<b>1,627,075</b>	<b>1,832,681</b>	<b>1,663,671</b>	<b>3,459,756</b>	<b>3,001,896</b>	<b>15.3</b>
Argentina.....	-	129,431	126,739	129,431	163,137	-20.7
Brazil.....	1,627,075	1,703,250	1,536,932	3,330,325	2,768,138	20.3
Chile.....	-	-	-	-	70,442	-
Other <sup>2</sup> .....	-	-	-	-	179	-
<b>Europe Total</b> .....	<b>6,697,768</b>	<b>6,614,461</b>	<b>6,705,467</b>	<b>13,312,229</b>	<b>13,309,754</b>	<b>*</b>
Belgium & Luxembourg.....	680,578	985,964	841,359	1,666,542	1,920,825	-13.2
Bulgaria.....	399,893	202,028	257,506	601,921	591,297	1.8
Finland.....	130,653	-	238,069	130,653	284,621	-54.1
France.....	745,022	727,725	717,206	1,472,747	1,353,892	8.8
Germany, FR.....	211,193	59,291	96,297	270,484	171,582	57.6
Ireland.....	-	109,607	-	109,607	-	-
Italy.....	1,091,011	977,648	1,185,621	2,068,659	2,630,904	-21.4
Netherlands.....	770,549	1,208,155	849,193	1,978,704	1,935,954	2.2
Norway.....	27,934	15,697	12,007	43,631	25,277	72.6
Portugal.....	-	66,042	30,392	66,042	30,392	117.3
Romania.....	659,435	270,866	354,538	930,301	622,790	49.4
Spain.....	434,392	565,353	505,032	999,745	995,538	.4
Sweden.....	80,064	73,912	129,579	153,976	272,452	-43.5
Turkey.....	595,971	539,690	576,447	1,135,661	913,236	24.4
United Kingdom.....	860,297	800,451	897,801	1,660,748	1,526,196	8.8
Other <sup>2</sup> .....	10,776	12,032	14,420	22,808	34,798	-34.5
<b>Asia Total</b> .....	<b>1,850,268</b>	<b>1,813,862</b>	<b>1,545,446</b>	<b>3,664,130</b>	<b>3,867,212</b>	<b>-5.3</b>
China (Taiwan).....	-	124,949	-	124,949	123,497	1.2
Israel.....	-	29,116	-	29,116	-	-
Japan.....	1,189,381	1,148,670	1,026,515	2,338,051	2,532,005	-7.7
Korea, Republic of.....	660,887	500,380	508,431	1,161,267	1,190,348	-2.4
Other <sup>2</sup> .....	-	10,747	10,500	10,747	21,362	-49.7
<b>Africa Total</b> .....	<b>453,603</b>	<b>727,921</b>	<b>507,331</b>	<b>1,181,524</b>	<b>1,096,667</b>	<b>7.7</b>
Algeria.....	49,922	49,877	49,892	99,799	104,243	-4.3
Egypt.....	231,860	343,949	230,696	575,809	492,727	16.9
South Africa, Rep of.....	171,821	334,095	226,743	505,916	499,697	1.2
<b>Total</b> .....	<b>11,997,429</b>	<b>11,171,855</b>	<b>11,838,939</b>	<b>23,169,284</b>	<b>23,041,891</b>	<b>.6</b>

<sup>1</sup> Based on the U.S. - Canada Free Trade Agreement; as of January 1990, the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government.

<sup>2</sup> Includes countries with exports less than or equal to 50,000 short tons (45,359 metric tons) in 1996.

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

Continent and Country of Destination	April - June 1997	January - March 1997	April - June 1996	Year to date		
				1997	1996	Percent Change
<b>North America Total</b> .....	<b>\$38.79</b>	<b>\$46.07</b>	<b>\$41.35</b>	<b>\$39.66</b>	<b>\$41.76</b>	<b>-5.0</b>
Canada <sup>1</sup> .....	37.94	41.59	40.33	38.22	40.31	-5.2
Mexico.....	52.20	52.45	53.26	52.32	51.75	1.1
<b>South America Total</b> .....	<b>48.42</b>	<b>49.09</b>	<b>49.33</b>	<b>48.77</b>	<b>48.88</b>	<b>-2</b>
Argentina.....	-	54.14	51.94	54.14	50.27	7.7
Brazil.....	48.42	48.71	49.23	48.56	49.22	-1.3
Chile.....	-	-	-	-	33.36	-
Other <sup>2</sup> .....	-	-	-	-	55.87	-
<b>Europe Total</b> .....	<b>52.80</b>	<b>52.40</b>	<b>52.42</b>	<b>52.60</b>	<b>52.23</b>	<b>.7</b>
Belgium & Luxembourg.....	53.10	53.76	53.38	53.49	53.41	.2
Bulgaria.....	51.95	51.03	48.27	51.64	47.11	9.6
Finland.....	48.21	-	48.94	48.21	49.09	-1.8
France.....	50.53	52.71	51.80	51.61	51.21	.8
Germany, FR.....	52.99	52.38	53.83	52.86	53.44	-1.1
Ireland.....	-	41.25	-	41.25	-	-
Italy.....	53.11	53.57	51.76	53.33	51.67	3.2
Netherlands.....	52.07	51.41	52.98	51.67	52.52	-1.6
Norway.....	-	-	63.92	-	63.86	-
Portugal.....	-	49.50	51.20	49.50	51.20	-3.3
Romania.....	52.91	49.13	50.63	51.81	50.49	2.6
Spain.....	56.30	52.97	55.93	54.42	55.77	-2.4
Sweden.....	53.28	53.25	53.10	53.27	53.09	.3
Turkey.....	51.40	50.92	49.89	51.17	49.94	2.5
United Kingdom.....	54.72	54.06	54.38	54.40	53.93	.9
Other <sup>2</sup> .....	65.87	66.02	63.51	65.95	63.05	4.6
<b>Asia Total</b> .....	<b>48.99</b>	<b>48.10</b>	<b>47.79</b>	<b>48.55</b>	<b>48.64</b>	<b>-2</b>
China (Taiwan).....	-	48.83	-	48.83	50.64	-3.6
Israel.....	-	54.10	-	54.10	-	-
Japan.....	46.74	46.23	45.16	46.49	46.80	-7
Korea, Republic of.....	53.06	51.55	52.74	52.40	52.18	.4
Other <sup>2</sup> .....	-	63.40	65.43	63.40	65.43	-3.1
<b>Africa Total</b> .....	<b>55.02</b>	<b>56.62</b>	<b>57.47</b>	<b>56.00</b>	<b>57.14</b>	<b>-2.0</b>
Algeria.....	51.02	53.42	53.52	52.22	54.78	-4.7
Egypt.....	56.76	59.30	61.45	58.28	60.38	-3.5
South Africa, Rep of.....	53.82	54.34	54.30	54.17	54.43	-5
<b>Total</b> <sup>3</sup> .....	<b>50.11</b>	<b>51.33</b>	<b>50.28</b>	<b>50.70</b>	<b>50.62</b>	<b>.1</b>
<b>U.S. Total</b> <sup>4</sup> .....	<b>50.24</b>	<b>51.37</b>	<b>50.41</b>	<b>50.78</b>	<b>50.70</b>	<b>.2</b>

<sup>1</sup> Based on the U.S. - Canada Free Trade Agreement; as of January 1990, the U.S. Department of Commerce began reporting statistics on U.S. exports to Canada based on information on imports provided monthly by the Canadian government.

<sup>2</sup> Includes countries with exports less than or equal to 50,000 short tons in 1996.

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

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

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

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

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

Continent and Country of Origin	April - June 1997	January - March 1997	April - June 1996	Year to date		
				1997	1996	Percent Change
<b>North America Total</b> .....	<b>288,087</b>	<b>164,080</b>	<b>299,908</b>	<b>452,167</b>	<b>630,921</b>	<b>-28.3</b>
Canada.....	288,087	163,760	299,908	451,847	630,543	-28.3
Mexico.....	-	320	-	320	378	-15.3
<b>South America Total</b> .....	<b>1,056,327</b>	<b>580,199</b>	<b>832,800</b>	<b>1,636,526</b>	<b>1,760,821</b>	<b>-7.1</b>
Argentina.....	12	-	-	12	-	-
Colombia.....	793,538	446,777	500,294	1,240,315	1,070,825	15.8
Venezuela.....	262,777	133,422	332,506	396,199	689,996	-42.6
<b>Europe Total</b> .....	<b>7,343</b>	<b>7,100</b>	<b>171</b>	<b>14,443</b>	<b>171</b>	<b>(1)</b>
Belgium & Luxembourg.....	1,126	1,123	81	2,249	81	(1)
Germany, FR.....	1	-	-	1	-	-
Norway.....	6,216	5,977	-	12,193	-	-
Spain.....	-	-	90	-	90	-
<b>Asia Total</b> .....	<b>169,843</b>	<b>370,112</b>	<b>275,305</b>	<b>539,955</b>	<b>499,973</b>	<b>8.0</b>
China (Mainland).....	275	135	-	410	-	-
Indonesia.....	169,568	358,978	275,305	528,546	499,973	5.7
Vietnam.....	-	10,999	-	10,999	-	-
<b>Oceania &amp; Australia Total</b> .....	<b>27,494</b>	<b>86,324</b>	<b>-</b>	<b>113,818</b>	<b>70,617</b>	<b>61.2</b>
Australia.....	27,494	49,125	-	76,619	70,617	8.5
New Zealand.....	-	37,199	-	37,199	-	-
<b>Total</b> .....	<b>1,549,094</b>	<b>1,207,815</b>	<b>1,408,184</b>	<b>2,756,909</b>	<b>2,962,503</b>	<b>-6.9</b>

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

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

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

Continent and Country of Origin	April - June 1997	January - March 1997	April - June 1996	Year to date		
				1997	1996	Percent Change
<b>North America Total</b> .....	<b>\$43.95</b>	<b>\$29.66</b>	<b>\$38.11</b>	<b>\$38.93</b>	<b>\$36.71</b>	<b>6.0</b>
Canada.....	43.95	29.66	38.11	38.93	36.72	6.0
Mexico.....	-	-	-	-	25.02	-
<b>South America Total</b> .....	<b>36.14</b>	<b>35.16</b>	<b>32.71</b>	<b>35.80</b>	<b>34.15</b>	<b>4.8</b>
Colombia.....	35.98	35.25	33.89	35.72	34.13	4.7
Venezuela.....	36.63	34.87	30.94	36.04	34.18	5.4
<b>Asia Total</b> .....	<b>40.21</b>	<b>35.08</b>	<b>36.19</b>	<b>36.73</b>	<b>39.27</b>	<b>-6.5</b>
Indonesia.....	40.21	35.08	36.19	36.73	39.27	-6.5
<b>Oceania &amp; Australia Total</b> .....	<b>38.52</b>	<b>37.25</b>	<b>-</b>	<b>37.71</b>	<b>37.30</b>	<b>1.1</b>
Australia.....	38.52	37.25	-	37.71	37.30	1.1
<b>Total</b> <sup>1</sup> .....	<b>38.00</b>	<b>34.53</b>	<b>34.38</b>	<b>36.52</b>	<b>35.61</b>	<b>2.6</b>
<b>U.S. Total</b> <sup>2</sup> .....	<b>38.87</b>	<b>37.31</b>	<b>35.78</b>	<b>38.19</b>	<b>36.39</b>	<b>4.9</b>

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

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

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

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



# **Appendix C**

## **Explanatory Notes**

# Appendix C

## Explanatory Notes

### Data Sources

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

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

### Coal Surveys

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

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

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

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

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

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

Plants (Form EIA-3)

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

Through the end of 1988, all manufacturers that consumed coal were required to file Form EIA-3. Beginning with the first quarter of 1989, only those manufacturers that consumed one thousand or more tons in the past year were required to report. At present, 633 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 27 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.

There are 631 active respondents on the Schedule Q, Form EIA-6 survey. 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 950 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 2,207 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). :sk 6.5i.
4. After data are published as final, corrections will be made only in the event of a greater than one percent difference at the national level. Corrections for differences that are less than the one percent threshold are left to the discretion of the Office Director.

## 11. Price Data and Taxes

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

## 12. Approximate Heat Content of Coal

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Item	Mean Absolute Value of Change	
	1994	1995
<b>Production (Thousand Short Tons)</b> .....	852	1,267
<b>Receipts (Thousand Short Tons)</b>		
Electric Utilities .....	48	101
Other Industrial .....	314	343
Coke Plants .....	155	0
Residential/Commercial .....	56	1
<b>Average Price of Coal Receipts (Dollars Per Short Ton)</b>		
Electric Utilities .....	31	18
Other Industrial .....	364	123
Coke Plants .....	2,422	0
<b>Consumption (Thousand Short Tons)</b>		
Electric Utilities .....	31	80
Other Industrial .....	\$.54	\$12.11
Coke Plants .....	1.70	.00
Residential/Commercial .....	.56	.01
<b>Stocks<sup>1</sup> (Thousand Short Tons)</b>		
Electric Utilities .....	130	245
Other Industrial .....	38	94
Coke Plants .....	65	0
Producer/Distributor .....	26	32

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

Notes: • Change refers to the difference between preliminary quarterly data published in the *Quarterly Coal Report (QCR)* and the final quarterly data published in the *QCR* and the *Coal Industry Annual*.

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

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

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

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

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

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

# Glossary

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

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

Btu/lb.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



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

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

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

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