

Quarterly Coal Report July-September 1997

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Preface

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

This report presents detailed quarterly data for July through September 1997 and aggregated quarterly historical data for 1991 through the second 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.

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

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Summary

U.S. coal production in the third quarter of 1997 was 271 million short tons, about the same as in the previous quarter and in the third quarter of 1996. This brought the total for the first 9 months of 1997 to 815 million short tons, up 2 percent (20 million short tons) from the comparable period in 1996 (Table 4). This increase can be attributed mainly to a build-up of producer and distributor stocks (10 million short tons) and higher demand for coal by electric utilities (11 million short tons).

The Appalachian and Western Regions accounted for the increase in coal production, producing 12 million short tons and 10 million short tons more output, respectively, which was offset by 2 million short tons less output in the Interior Region. In the Appalachian Region, West Virginia and Pennsylvania each contributed 4 million short tons to the growth in coal production in that region. The higher level of coal production in the Western Region can be primarily attributed to Colorado, New Mexico, and Montana, where production went up 4 million short tons, 3 million short tons and 2 million short tons, respectively. The drop in coal production in the Interior Region was primarily due to a decline in Illinois and Texas, 4 million short tons and 1 million short tons, respectively, which offset a 4-million-short-ton increase in Indiana.

U.S. coal exports in the third quarter of 1997 totaled 22 million short tons, down 5 percent from the third quarter of 1996. Year-to-date 1997 coal exports totaled 63 million short tons, 6 percent (4 million short tons) below the comparable 9-month 1996 period (Table 8). The reason for the decline was a 12-percent drop in the demand for U.S. steam coal in foreign markets (Table 10). Even though demand for this coal in Canada and Mexico more than doubled to over 8 million short tons, this increase was more than offset by lower demand in other foreign markets: 4 million short tons in Europe, primarily in the Netherlands and Italy; 2 million short tons in Asia, primarily in Japan; and 2 million short tons in Africa, primarily in Morocco. Metallurgical coal exports were about the same at 39 million short tons (Table 12).

U.S. coal exports for the first 3 quarters of 1997 were valued at \$2.5 billion, based on an average price of \$40.60 per short ton.

U.S. coal imports in the third quarter of 1997 reached 2.2 million short tons, 7 percent above the same quarter a year ago (Table 16). Coal imports for the first 9 months of 1997 amounted to 5.3 million short tons, about the same as in the comparable period in 1996. The stability of coal imports can be attributed to a 21-percent increase in Colombian coal shipments

which partially offset a 24-percent decline in deliveries from both Venezuela and Canada.

U.S. coal imports for January through September 1997 were valued at \$180 million, based on an average price of \$34.24 per short ton (Table 17).

The total amount of coal received by domestic consumers during the third quarter of 1997 totaled 252 million short tons, virtually unchanged from the same quarter a year ago. Year-to-date 1997 coal receipts were up by 9 million short tons to 733 million short tons, compared with 724 million short tons for the comparable period in 1996 (Table 22).

During the first 3 quarters of 1997, coal receipts at electric utilities were up 11 million short tons, which was partially offset by lower coal receipts at coke plants and other industrial plants. Electric utilities also drew down stocks to meet the increase in demand for coal-fired electric generation.

The average price of coal receipts at electric utilities and coke plants during the third quarter of 1997 were down by 3 percent and 5 percent, respectively, to \$25.72 per short ton and \$45.95 per short ton. The average price of coal receipts at manufacturing plants remained about the same at \$32.37 per short ton (Table 21).

Coal consumption for July through September 1997 reached a quarterly record of 268 million short tons, of which 243 million short tons were consumed by the electric utility sector, also a quarterly record. Year-to-date 1997 coal consumption totaled 747 million short tons, 15 million short tons above the comparable period in 1996. This increase was due to a 17-million-short-ton rise in electric utility coal consumption to 669 million short tons, which was partially offset by a 2-million-short ton decline in coal consumption at coke plants and a slight decline at other industrial plants. Electric utility coal consumption went up to meet the increase in coal-fired electric generation in some regions and/or to make up for lower nuclear-powered generation in other regions.

In the East North Central Census Division, electricity demand was down 4 percent. However, nuclear-powered generation was also down 24 percent. Coal-fired and to a lesser extent natural gas fired electric generation made up for the shortfall in nuclear-powered generation, particularly in Illinois and Wisconsin. In the Middle Atlantic Census Division, electricity demand went up 2 percent and oil-fired and nuclear-powered electric generation both declined by 32 percent and 3 percent, respectively. Natural gas-fired, coal-fired and to a lesser degree hydroelectric

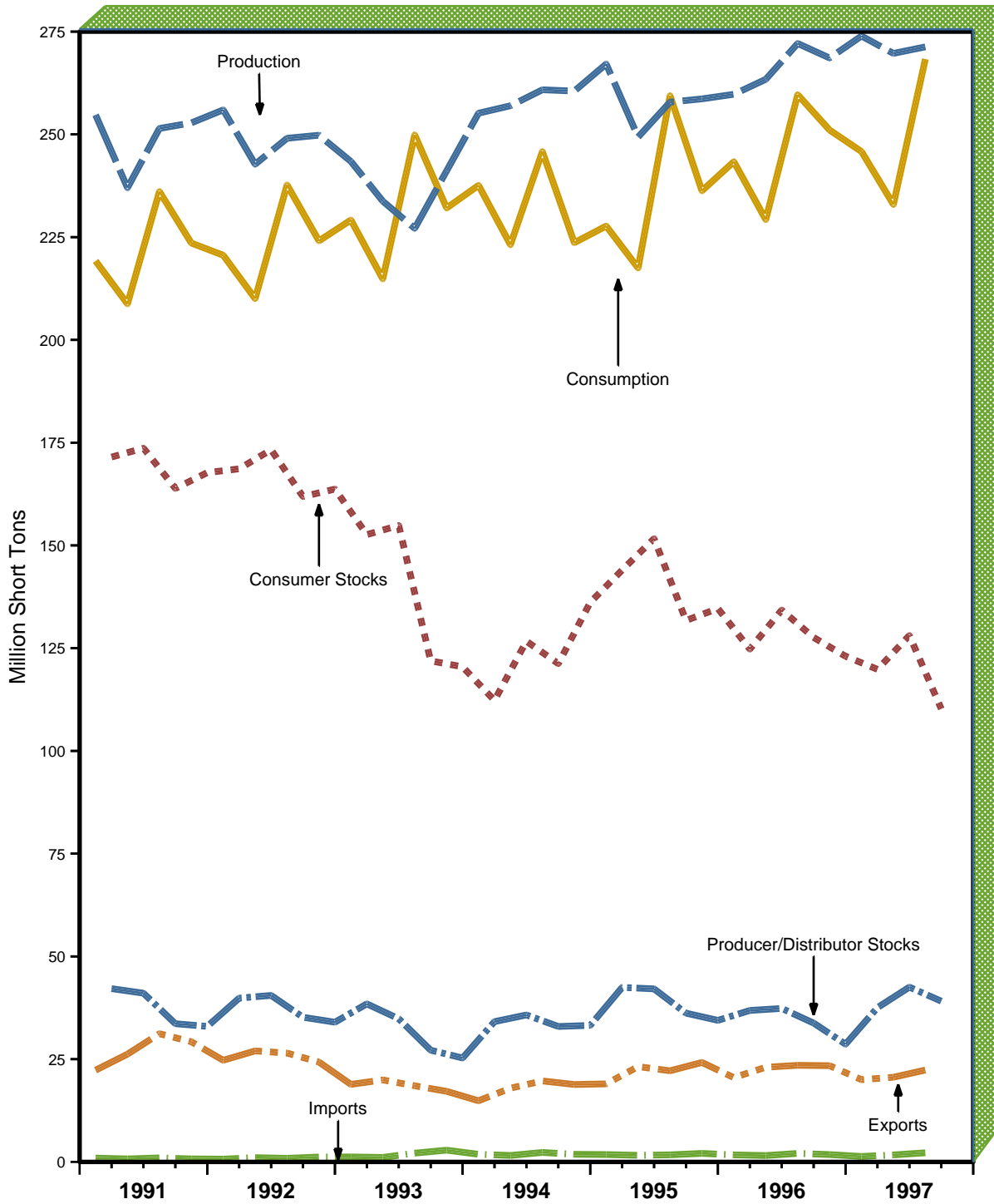
generation were used to meet the increase in electricity demand in the Region and to fill the shortfall of nuclear-powered generation.

U.S. coal stocks were 149 million short tons at the end of September 1997 in comparison with stock levels of 171 million short tons at the end of the previous quarter. Consumer coal stocks at 110 million short tons were 18 million short tons lower than at the end of the prior quarter and the lowest end of quarter level, mainly because electric utility coal stocks

dropped 19 million short tons to 103 million short tons. Coal stocks held by producers and distributors closed 3-million-short-tons lower than the previous quarter, while coke plants and manufacturing plants reported slight increases in coal stocks, compared with the previous quarter (Table 45).

Sources: Energy Information Administration, *Electric Power Monthly*, December 1997, DOE/EIA-0226(97/12); *Monthly Energy Review*, December 1997, DOE/EIA-0035(97/12).

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

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

Year and Quarter	Production	Imports	Producer and Distributor Stocks ¹	Consumption	Exports	Consumer Stocks ¹	Losses and Unaccounted For ²
1991 January - March	254,746	938	42,162	219,208	22,318	171,485	2,140
April - June	237,006	730	41,054	208,757	26,214	173,663	1,696
July - September	251,438	984	33,628	236,093	31,197	163,860	2,360
October - December.....	252,794	738	32,971	223,562	29,239	167,711	-2,464
Total	995,984	3,390		887,621	108,969		3,731
1992 January - March	255,956	679	39,853	220,594	24,731	168,632	3,507
April - June	242,735	1,043	40,513	210,037	27,010	173,270	1,434
July - September	249,055	882	35,198	237,698	26,481	161,878	2,464
October - December.....	249,799	1,199	33,993	224,093	24,294	163,692	2,002
Total	997,545	3,803		892,421	102,516		9,407
1993 January - March	243,417	1,213	38,453	229,165	18,870	152,619	3,208
April - June	233,750	1,093	34,827	214,820	19,946	154,842	1,479
July - September	227,131	2,142	27,183	249,872	18,522	121,909	1,457
October - December.....	241,127	2,861	25,284	232,087	17,181	120,458	-1,930
Total	945,424	7,309		925,944	74,519		4,213
1994 January - March	255,153	1,850	34,139	237,596	14,877	112,278	3,854
April - June	256,964	1,577	35,758	223,145	17,940	126,694	1,421
July - September	260,853	2,304	32,955	245,820	19,704	121,225	5,904
October - December.....	260,535	1,853	33,219	223,640	18,838	136,139	4,732
Total	1,033,504	7,584		930,201	71,359		15,912
1995 January - March	267,121	1,795	42,460	227,695	18,988	144,004	5,128
April - June	249,352	1,609	42,104	217,496	23,184	151,657	2,985
July - September	257,857	1,725	36,193	259,415	22,175	131,739	3,822
October - December.....	258,644	2,071	34,444	236,274	24,201	134,639	-912
Total	1,032,974	7,201		940,880	88,547		11,023
1996 January - March	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
Total	1,063,856	7,126		983,334	90,473		14,585
1997 January - March	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
July - September	271,291	2,222	39,111	268,328	22,354	110,219	4,116
Total	814,919	5,261		747,086	62,969		14,884

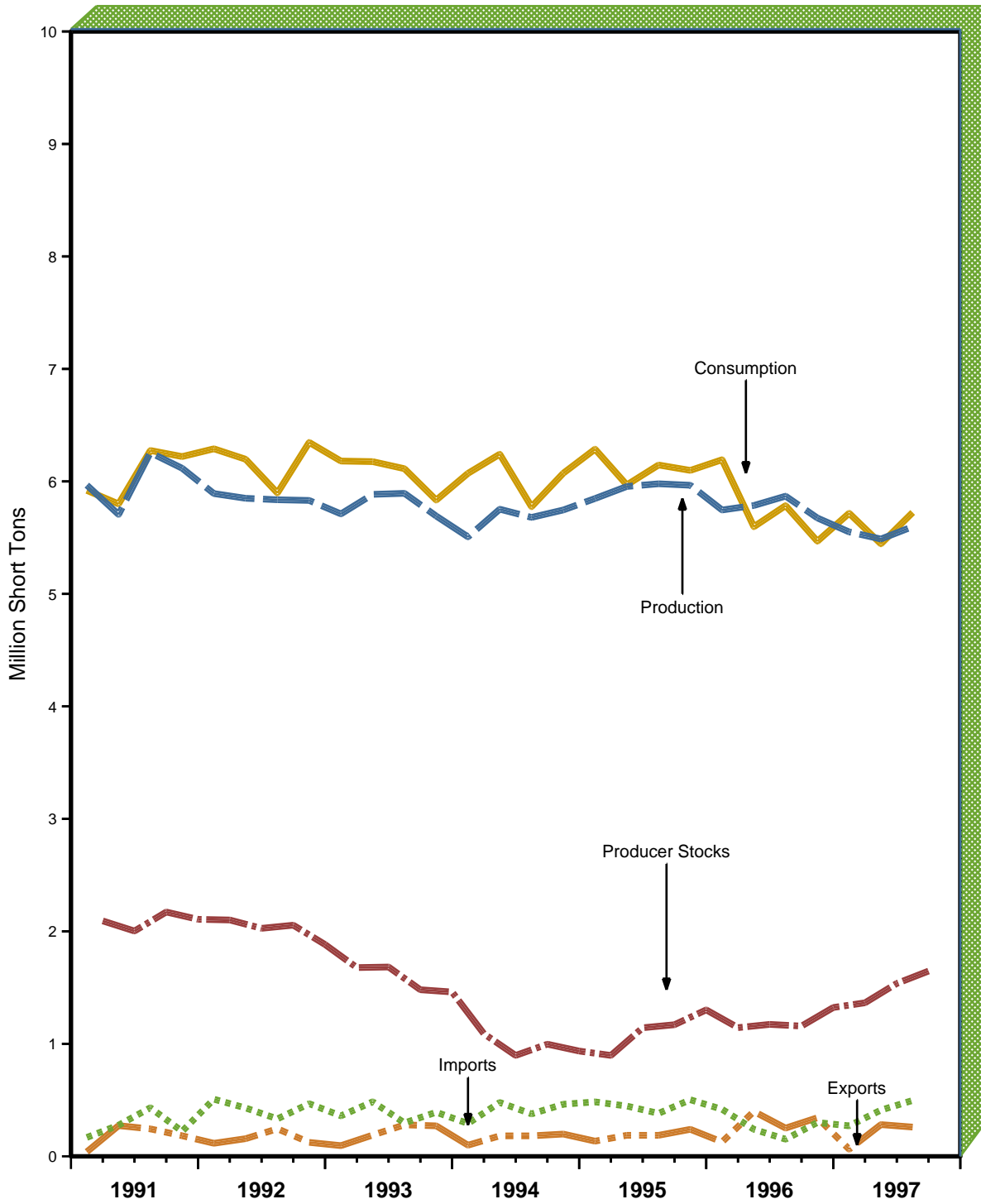
¹ Reported as of the last day of the quarter.

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

Notes: Consumption data for 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 ¹	Consumption ²	Exports
1991 January - March	5,967	168	2,093	5,920	40
April - June	5,706	277	2,003	5,800	273
July - September	6,256	432	2,172	6,275	244
October - December	6,117	222	2,107	6,221	183
Total	24,046	1,099		24,216	740
1992 January - March	5,892	508	2,101	6,290	116
April - June	5,850	430	2,027	6,197	157
July - September	5,837	333	2,055	5,897	245
October - December	5,831	468	1,883	6,347	124
Total	23,410	1,739		24,731	642
1993 January - March	5,711	360	1,678	6,181	95
April - June	5,885	485	1,683	6,176	189
July - September	5,894	297	1,481	6,113	280
October - December	5,692	392	1,461	5,834	271
Total	23,182	1,534		24,303	835
1994 January - March	5,507	292	1,090	6,072	99
April - June	5,753	479	897	6,242	182
July - September	5,680	377	997	5,775	182
October - December	5,746	463	936	6,073	198
Total	22,686	1,612		24,163	660
1995 January - March	5,848	484	897	6,287	135
April - June	5,955	447	1,143	5,969	187
July - September	5,979	382	1,170	6,146	187
October - December	5,966	503	1,302	6,098	240
Total	23,749	1,816		24,500	750
1996 January - March	5,746	418	1,144	6,193	128
April - June	5,786	240	1,173	5,597	399
July - September	5,869	152	1,158	5,785	251
October - December	5,675	301	1,323	5,468	343
Total	23,075	1,111		23,043	1,121
1997 January - March	5,551	271	1,365	5,717	63
April - June	5,488	411	1,537	5,445	282
July - September	5,598	497	1,647	5,724	260
Total	16,638	1,178		16,886	606

¹ Reported as of the last day of the quarter.

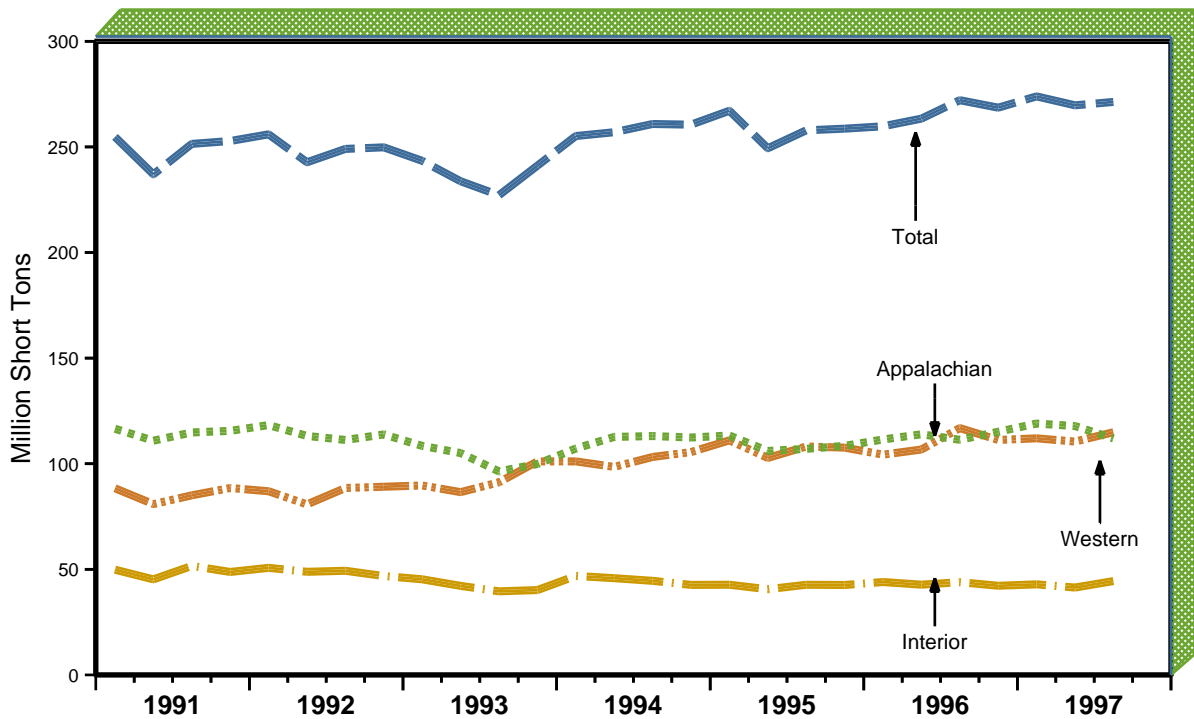
² Consumption is equal to production plus imports plus/minus the change in producer and distributor stocks minus exports.

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

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

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.....	267,121	249,352	257,857	258,644	1,032,974
1996.....	259,756	263,397	272,118	268,585	1,063,856
1997.....	273,927	269,701	271,291	NA	814,919

NA Not available.

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

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

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

Coal-Producing Region and State	July - September 1997	April - June 1997	July - September 1996	Year to Date		
				1997	1996	Percent Change
Alabama.....	5,604	6,498	6,125	18,587	18,651	-0.3
Alaska.....	321	317	242	1,008	1,012	-4
Arizona.....	2,943	2,649	2,757	8,590	7,743	10.9
Arkansas.....	5	4	5	13	16	-22.5
Colorado.....	6,663	7,953	7,616	21,749	18,404	18.2
Illinois.....	9,564	10,409	10,827	32,100	36,025	-10.9
Indiana.....	9,362	8,686	7,955	25,111	21,151	18.7
Kansas.....	75	115	56	273	178	53.7
Kentucky Total.....	38,306	38,505	38,643	116,108	114,793	1.1
Eastern.....	28,884	30,356	29,221	89,714	87,623	2.4
Western.....	9,422	8,149	9,422	26,394	27,169	-2.9
Louisiana.....	996	976	903	2,768	2,475	11.9
Maryland.....	1,129	941	1,080	3,240	3,180	1.9
Missouri.....	95	85	201	309	518	-40.4
Montana.....	10,278	9,236	9,799	29,232	27,281	7.1
New Mexico.....	7,201	6,640	6,754	20,980	18,174	15.4
North Dakota.....	7,371	6,945	7,465	21,740	21,973	-1.1
Ohio.....	7,489	7,159	6,695	22,517	21,004	7.2
Oklahoma.....	375	393	430	1,194	1,329	-10.1
Pennsylvania Total.....	17,931	18,813	16,223	54,089	50,222	7.7
Anthracite.....	1,290	1,115	1,170	3,615	3,255	11.0
Bituminous.....	16,641	17,698	15,052	50,474	46,966	7.5
Tennessee.....	780	830	893	2,542	2,710	-6.2
Texas.....	14,537	12,554	14,118	40,523	41,772	-3.0
Utah.....	6,186	7,359	6,559	20,269	20,644	-1.8
Virginia.....	8,835	9,176	8,516	27,335	26,453	3.3
Washington.....	1,421	976	1,309	3,202	3,477	-7.9
West Virginia Total.....	41,309	44,064	42,582	130,801	126,907	3.1
Northern.....	10,595	11,606	11,138	34,940	33,805	3.4
Southern.....	30,714	32,457	31,444	95,861	93,102	3.0
Wyoming.....	72,513	68,417	74,366	210,640	209,181	.7
Appalachian Total.....	111,960	117,836	111,334	348,825	336,749	3.6
Interior Total.....	44,431	41,372	43,917	128,686	130,633	-1.5
Western Total.....	114,899	110,492	116,867	337,408	327,888	2.9
East of the Miss. River.....	140,309	145,081	139,538	432,430	421,093	2.7
West of the Miss. River.....	130,982	124,620	132,580	382,489	374,177	2.2
U.S. Total.....	271,291	269,701	272,118	814,919	795,271	2.5

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

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

Table 5. Coke and Breeze Production at Coke Plants

(Thousand Short Tons)

	July - September 1997	April - June 1997	July - September 1996	Year to Date		
				1997	1996	Percent Change
Coke Total	5,598	5,488	5,869	16,638	17,400	-4.4
By State						
Alabama	584	590	617	1,754	1,840	-4.7
Illinois	w	w	w	w	w	w
Indiana	1,102	1,115	1,108	3,306	3,374	-2.0
Kentucky	w	w	w	w	w	w
Michigan	w	w	w	w	w	w
New York	w	w	w	w	w	w
Ohio	341	334	343	1,014	1,026	-1.1
Pennsylvania	1,954	1,924	1,962	5,775	5,770	.1
Utah	w	w	w	w	w	w
Virginia	w	w	w	w	w	w
West Virginia	w	w	w	w	w	w
By Plant Type						
Merchant Coke						
Plants	748	750	776	2,251	2,325	-3.2
Furnace Coke Plants	4,850	4,738	5,093	14,387	15,075	-4.6
Breeze Total	304	309	342	925	1,075	-14.0

^w Withheld to avoid disclosure of individual company data.

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

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

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	22,354	2,222	NA	NA	62,969	5,261

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)

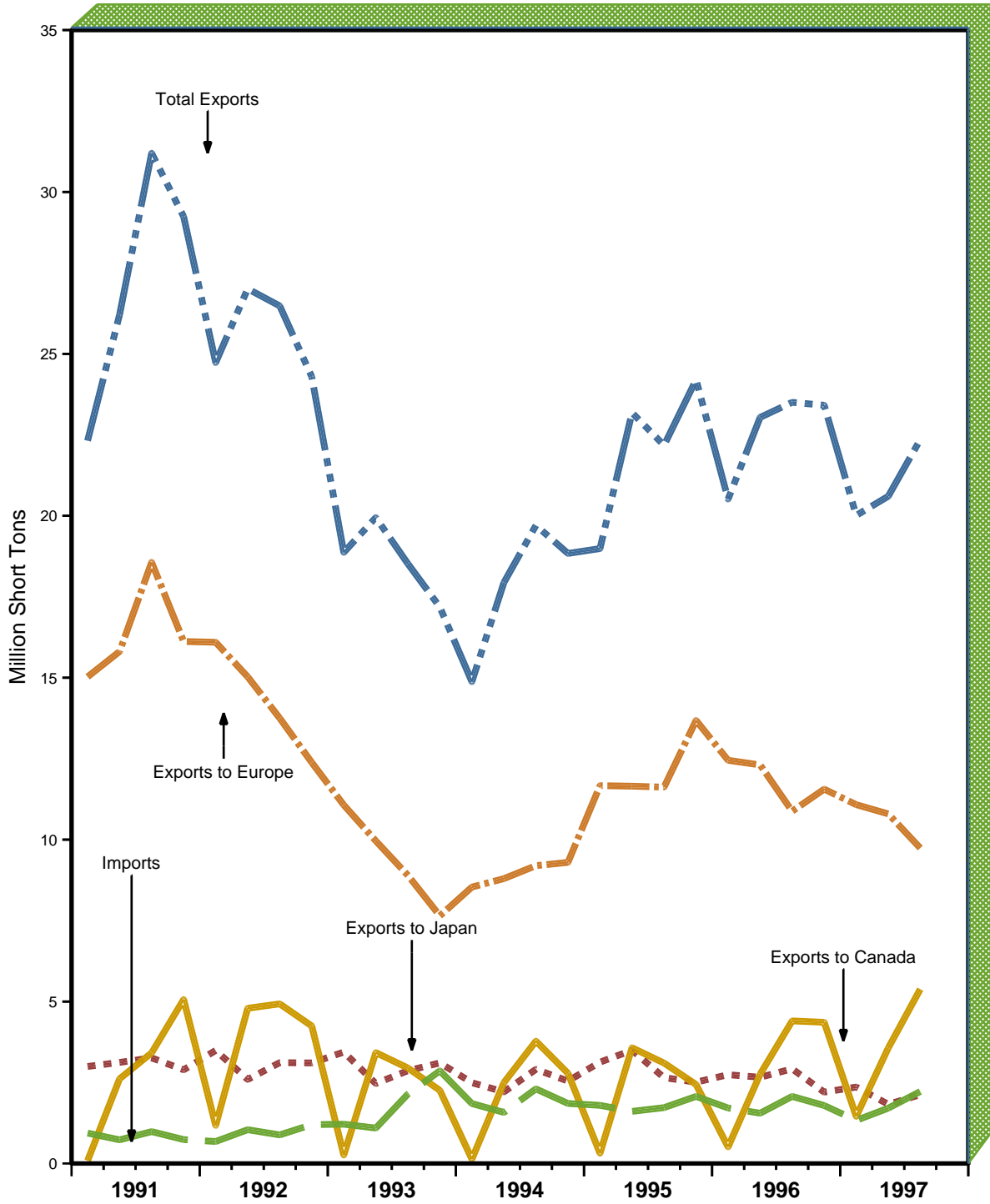
Year	January - March		April - June		July - September		October - December		Total	
	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports
1991.....	\$44.58	\$33.71	\$42.97	\$34.60	\$41.51	\$31.45	\$41.15	\$33.16	\$42.39	\$33.12
1992.....	42.28	33.63	41.34	32.96	40.70	34.43	41.07	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	39.42	33.69	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	July - September 1997	April - June 1997	July - September 1996	Year to date		
				1997	1996	Percent Change
North America Total	5,973,329	4,061,358	4,934,819	11,921,692	8,615,321	38.4
Canada ¹	5,381,781	3,564,963	4,401,613	10,400,929	7,669,604	35.6
Jamaica.....	—	14,261	5,965	27,844	15,683	77.5
Mexico.....	569,797	482,134	525,035	1,465,552	907,106	61.6
Other ²	21,751	—	2,206	27,367	22,928	19.4
South America Total	2,329,485	2,021,661	1,866,610	6,495,016	5,475,735	18.6
Argentina.....	92,779	15,877	74,980	269,671	255,234	5.7
Brazil.....	2,102,955	1,828,935	1,667,848	5,857,525	4,773,248	22.7
Chile.....	49,720	90,518	98,277	145,719	408,511	-64.3
Other ²	84,031	86,331	25,505	222,101	38,742	473.3
Europe Total	9,739,335	10,796,233	10,876,571	31,615,328	35,633,716	-11.3
Belgium & Luxembourg.....	1,069,286	830,745	954,285	3,281,922	3,586,634	-8.5
Bulgaria.....	338,813	440,807	279,605	1,002,317	1,049,912	-4.5
Denmark.....	125,224	109,105	328,733	350,071	1,062,467	-67.1
Finland.....	218,519	204,381	325,345	422,900	639,086	-33.8
France.....	741,135	891,402	685,029	2,566,041	2,662,954	-3.6
Germany, FR.....	239,689	297,117	129,403	667,347	797,021	-16.3
Ireland.....	231,143	118,621	265,028	613,277	511,684	19.9
Italy.....	1,882,364	1,859,879	1,692,061	5,472,331	7,108,228	-23.0
Netherlands.....	1,109,351	929,093	1,932,747	3,718,789	5,604,802	-33.6
Norway.....	18,030	37,430	23,937	72,763	56,408	29.0
Portugal.....	452,719	366,709	574,012	1,021,786	1,088,995	-6.2
Romania.....	546,946	726,902	435,664	1,572,427	1,122,172	40.1
Spain.....	1,039,236	1,156,369	934,866	3,193,576	3,128,608	2.1
Sweden.....	255,095	88,255	324,701	424,824	692,604	-38.7
Turkey.....	452,019	657,443	504,709	1,705,646	1,636,331	4.2
United Kingdom.....	1,004,287	2,067,044	1,470,332	5,482,123	4,640,963	18.1
Other ²	15,479	14,931	16,114	47,188	244,847	-80.7
Asia Total	3,807,094	3,222,816	4,679,607	10,985,220	13,782,281	-20.3
China (Taiwan).....	467,909	384,319	698,743	1,492,709	1,940,334	-23.1
Israel.....	194,339	45,333	316,449	525,976	819,230	-35.8
Japan.....	2,123,870	1,826,810	2,921,701	6,311,112	8,325,113	-24.2
Korea, Republic of.....	866,441	964,784	738,229	2,464,568	2,662,877	-7.4
Other ²	154,535	1,570	4,485	190,855	34,727	449.6
Oceania & Australia Total	204	609	204	813	305	166.6
Africa Total	504,993	500,590	1,145,987	1,950,709	3,551,186	-45.1
Algeria.....	99,069	55,030	—	209,079	114,909	82.0
Egypt.....	226,906	255,832	248,321	862,628	792,370	8.9
Morocco.....	—	—	312,228	141,980	1,507,647	-90.6
South Africa, Rep of.....	165,517	189,400	585,438	723,193	1,136,260	-36.4
Other ²	13,501	328	—	13,829	—	—
Total	22,354,440	20,603,267	23,503,798	62,968,778	67,058,544	-6.1

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

² Includes countries with exports less than or equal to 50,000 short tons in 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 9. Average Price of U.S. Coal Exports
(Dollars per Short Ton)

Continent and Country of Destination	July - September 1997	April - June 1997	July - September 1996	Year to date		
				1997	1996	Percent Change
North America Total	\$30.01	\$30.46	\$33.29	\$30.67	\$33.76	-9.2
Canada ¹	28.63	29.52	32.78	29.30	32.97	-11.1
Jamaica.....	-	41.96	30.50	41.96	33.52	25.2
Mexico.....	43.07	36.96	37.52	40.00	40.38	-9
Other ²	36.71	-	38.84	37.53	39.52	-5.0
South America Total	43.86	43.21	44.28	43.85	43.89	-1
Argentina.....	49.01	40.75	39.14	48.03	45.48	5.6
Brazil.....	44.11	43.80	44.93	44.05	44.69	-1.4
Chile.....	28.83	33.66	34.49	32.24	32.57	-1.0
Other ²	40.81	40.81	39.97	40.83	38.10	7.2
Europe Total	42.78	42.85	42.45	42.67	42.08	1.4
Belgium & Luxembourg.....	43.16	47.09	45.26	45.47	45.85	-8
Bulgaria.....	45.60	47.13	43.96	46.43	43.78	6.0
Denmark.....	28.44	30.80	28.08	31.72	29.35	8.1
Finland.....	44.03	41.51	41.33	42.81	42.90	-2
France.....	48.03	45.16	47.58	46.29	44.92	3.0
Germany, FR.....	41.28	45.86	45.29	43.60	37.74	15.5
Ireland.....	37.42	37.42	37.53	37.64	37.33	.8
Italy.....	44.92	44.84	47.13	45.23	44.94	.6
Netherlands.....	45.90	45.86	40.75	44.90	41.06	9.4
Norway.....	-	-	58.75	-	-	-
Portugal.....	37.24	35.55	36.03	36.94	36.75	.5
Romania.....	39.78	48.00	51.96	44.86	48.19	-6.9
Spain.....	34.77	34.09	36.78	35.58	36.69	-3.0
Sweden.....	47.98	48.34	48.72	48.11	47.39	1.5
Turkey.....	46.46	46.62	45.02	46.43	44.96	3.3
United Kingdom.....	41.99	39.59	39.37	38.58	39.54	-2.4
Other ²	59.91	54.59	57.64	-	39.28	43.7
Asia Total	39.40	40.89	39.68	39.97	39.69	.7
China (Taiwan).....	36.62	34.54	37.24	36.46	36.79	-9
Israel.....	36.95	37.19	36.95	37.05	36.12	2.6
Japan.....	38.95	40.14	39.28	39.42	39.36	.1
Korea, Republic of.....	43.11	45.02	44.73	44.40	43.86	1.2
Other ²	36.41	39.93	40.80	36.18	49.35	-26.7
Oceania & Australia Total	40.71	40.81	40.62	40.79	40.71	.2
Africa Total	47.40	49.90	45.59	48.45	43.86	10.5
Algeria.....	45.36	46.28	-	46.42	49.70	-6.6
Egypt.....	49.81	51.48	51.90	-	-	-3.4
Morocco.....	-	-	32.39	30.67	33.78	-9.2
South Africa, Rep of.....	46.14	48.83	49.95	48.45	49.67	-2.5
Other ²	37.23	40.76	-	37.31	-	-
Total³	39.05	40.39	40.30	40.28	40.80	-1.3
U.S. Total⁴	39.42	40.80	40.53	40.60	41.00	-1.0

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

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

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

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

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

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

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

Continent and Country of Destination	July - September 1997	April - June 1997	July - September 1996	Year to date		
				1997	1996	Percent Change
North America Total	4,066,210	2,552,607	2,257,213	8,304,175	3,990,634	108.1
Canada ¹	3,606,507	2,158,882	1,814,403	7,101,134	3,381,848	110.0
Jamaica.....	—	14,261	5,965	27,844	15,683	77.5
Mexico.....	437,952	379,464	434,639	1,147,830	570,175	101.3
Other ²	21,751	—	2,206	27,367	22,928	19.4
South America Total	140,305	228,118	164,259	492,108	464,360	6.0
Argentina.....	4,532	15,877	2,156	38,751	2,582	(³)
Brazil.....	2,022	35,392	38,321	85,537	92,371	-7.4
Chile.....	49,720	90,518	98,277	145,719	330,862	-56.0
Other ²	84,031	86,331	25,505	222,101	38,545	476.2
Europe Total	3,078,279	3,413,205	4,375,827	10,280,050	14,461,485	-28.9
Belgium & Luxembourg.....	364,019	80,535	292,279	739,606	807,282	-8.4
Bulgaria.....	—	—	—	—	118,515	—
Denmark.....	125,224	109,105	328,733	350,071	1,062,467	-67.1
Finland.....	—	60,361	99,542	60,361	99,542	-39.4
France.....	—	70,155	—	201,479	485,515	-58.5
Germany, FR.....	61,800	64,316	38,540	191,300	517,022	-63.0
Ireland.....	231,143	118,621	265,028	492,456	511,684	-3.8
Italy.....	779,034	657,245	586,527	2,088,695	3,102,619	-32.7
Netherlands.....	139,798	79,708	1,017,131	568,088	2,555,162	-77.8
Norway.....	—	6,638	6,876	6,638	11,484	-42.2
Portugal.....	382,080	366,709	501,190	878,348	982,672	-10.6
Romania.....	95,536	—	—	95,536	—	—
Spain.....	526,289	677,534	527,710	1,578,599	1,624,060	-2.8
Sweden.....	—	—	9,588	—	77,164	—
Turkey.....	1,330	497	14,458	3,105	139,410	-97.8
United Kingdom.....	372,026	1,118,729	687,889	3,019,201	2,176,177	38.7
Other ²	—	3,052	336	6,567	190,710	-96.6
Asia Total	1,863,777	1,183,245	2,442,652	5,002,891	7,282,458	-31.3
China (Taiwan).....	318,878	384,319	574,747	1,205,945	1,680,206	-28.2
Israel.....	156,693	45,333	185,698	456,235	688,479	-33.7
Japan.....	917,510	515,743	1,519,808	2,527,493	4,132,164	-38.8
Korea, Republic of.....	327,628	236,280	157,914	645,677	770,429	-16.2
Other ²	143,068	1,570	4,485	167,541	11,180	(³)
Oceania & Australia Total	204	609	204	813	305	166.6
Africa Total	13,501	578	275,649	156,810	1,471,978	-89.3
Egypt.....	—	250	—	1,001	910	10.0
Morocco.....	—	—	275,649	141,980	1,471,068	-90.3
Other ²	13,501	328	—	13,829	—	—
Total	9,162,276	7,378,362	9,515,804	24,236,847	27,671,220	-12.4

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

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

³ Changes of 500 percent or more are not shown.

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

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

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

Continent and Country of Destination	July - September 1997	April - June 1997	July - September 1996	Year to date		
				1997	1996	Percent Change
North America Total	\$27.94	\$27.49	\$29.66	\$28.66	\$29.73	-3.6
Canada ¹	26.37	26.06	28.08	27.09	28.48	-4.9
Jamaica.....	-	41.96	30.50	41.96	33.52	25.2
Mexico.....	40.19	34.48	35.69	37.44	36.26	3.3
Other ²	36.71	-	38.84	37.53	39.52	-5.0
South America Total	36.56	37.35	37.15	38.47	35.48	8.4
Argentina.....	40.80	40.75	39.14	40.78	39.14	4.2
Brazil.....	40.77	37.76	41.97	42.19	40.57	4.0
Chile.....	28.83	33.66	34.49	32.24	33.26	-3.1
Other ²	40.81	40.81	39.97	40.83	38.04	7.4
Europe Total	32.75	31.95	33.42	32.40	33.76	-4.0
Belgium & Luxembourg.....	35.77	37.06	37.89	36.43	36.86	-1.2
Bulgaria.....	-	-	-	-	49.12	-
Denmark.....	28.44	30.80	28.08	31.72	29.35	8.1
Finland.....	-	36.20	35.83	36.20	35.83	1.0
France.....	-	37.20	-	35.54	36.48	-2.6
Germany, FR.....	27.22	37.88	37.72	34.43	31.92	7.9
Ireland.....	37.42	37.42	37.53	37.70	37.33	1.0
Italy.....	38.11	38.72	42.77	39.40	41.54	-5.1
Netherlands.....	33.02	31.09	33.81	32.44	32.90	-1.4
Portugal.....	35.99	35.55	34.74	35.72	35.81	-3
Romania.....	29.17	-	-	29.17	-	-
Spain.....	21.59	22.08	23.81	21.82	22.26	-2.0
Sweden.....	-	-	48.53	-	38.91	-
Turkey.....	40.82	40.79	34.98	40.79	41.28	-1.2
United Kingdom.....	31.29	31.08	28.31	30.01	28.85	4.0
Other ²	-	34.47	40.82	34.59	34.12	1.4
Asia Total	34.65	34.77	36.20	35.12	35.95	-2.3
China (Taiwan).....	34.21	34.54	35.40	34.91	35.39	-1.4
Israel.....	36.10	37.19	34.15	35.92	35.21	2.0
Japan.....	34.19	34.39	36.86	35.10	36.42	-3.6
Korea, Republic of.....	35.64	35.47	35.08	35.49	35.30	.5
Other ²	34.74	39.93	40.80	33.21	38.21	-13.1
Oceania & Australia Total	40.71	40.81	40.62	40.79	40.71	.2
Africa Total	37.23	40.80	32.67	31.32	33.87	-7.5
Egypt.....	-	40.86	-	40.82	40.78	.1
Morocco.....	-	-	32.67	30.67	33.87	-9.4
Other ²	37.23	40.76	-	37.31	-	-
Total³	31.11	31.10	33.35	31.84	33.85	-5.9
U.S. Total⁴	31.77	32.25	33.85	32.60	34.34	-5.1

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

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

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

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

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

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

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

Continent and Country of Destination	July - September 1997	April - June 1997	July - September 1996	Year to date		
				1997	1996	Percent Change
North America Total	1,907,119	1,508,751	2,677,606	3,617,517	4,624,687	-21.8
Canada ¹	1,775,274	1,406,081	2,587,210	3,299,795	4,287,756	-23.0
Mexico.....	131,845	102,670	90,396	317,722	336,931	-5.7
South America Total	2,189,180	1,793,543	1,702,351	6,002,908	5,011,375	19.8
Argentina.....	88,247	-	72,824	230,920	252,652	-8.6
Brazil.....	2,100,933	1,793,543	1,629,527	5,771,988	4,680,877	23.3
Chile.....	-	-	-	-	77,649	-
Other ²	-	-	-	-	197	-
Europe Total	6,661,056	7,383,028	6,500,744	21,335,278	21,172,231	.8
Belgium & Luxembourg.....	705,267	750,210	662,006	2,542,316	2,779,352	-8.5
Bulgaria.....	338,813	440,807	279,605	1,002,317	931,397	7.6
Finland.....	218,519	144,020	225,803	362,539	539,544	-32.8
France.....	741,135	821,247	685,029	2,364,562	2,177,439	8.6
Germany, FR.....	177,889	232,801	90,863	476,047	279,999	70.0
Ireland.....	-	-	-	120,821	-	-
Italy.....	1,103,330	1,202,634	1,105,534	3,383,636	4,005,609	-15.5
Netherlands.....	969,553	849,385	915,616	3,150,701	3,049,640	3.3
Norway.....	18,030	30,792	17,061	66,125	44,924	47.2
Portugal.....	70,639	-	72,822	143,438	106,323	34.9
Romania.....	451,410	726,902	435,664	1,476,891	1,122,172	31.6
Spain.....	512,947	478,835	407,156	1,614,977	1,504,548	7.3
Sweden.....	255,095	88,255	315,113	424,824	615,440	-31.0
Turkey.....	450,689	656,946	490,251	1,702,541	1,496,921	13.7
United Kingdom.....	632,261	948,315	782,443	2,462,922	2,464,786	-.1
Other ²	15,479	11,879	15,778	40,621	54,137	-25.0
Asia Total	1,943,317	2,039,571	2,236,955	5,982,329	6,499,823	-8.0
China (Taiwan).....	149,031	-	123,996	286,764	260,128	10.2
Israel.....	37,646	-	130,751	69,741	130,751	-46.7
Japan.....	1,206,360	1,311,067	1,401,893	3,783,619	4,192,949	-9.8
Korea, Republic of.....	538,813	728,504	580,315	1,818,891	1,892,448	-3.9
Other ²	11,467	-	-	23,314	23,547	-1.0
Africa Total	491,492	500,012	870,338	1,793,899	2,079,208	-13.7
Algeria.....	99,069	55,030	-	209,079	114,909	82.0
Egypt.....	226,906	255,582	248,321	861,627	791,460	8.9
Morocco.....	-	-	36,579	-	36,579	-
South Africa, Rep of.....	165,517	189,400	585,438	723,193	1,136,260	-36.4
Total	13,192,164	13,224,905	13,987,994	38,731,931	39,387,324	-1.7

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

² Includes countries with exports less than or equal to 50,000 short tons in 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 13. Average Price of U.S. Metallurgical Coal Exports
(Dollars per Short Ton)

Continent and Country of Destination	July - September 1997	April - June 1997	July - September 1996	Year to date		
				1997	1996	Percent Change
North America Total	\$34.32	\$35.19	\$36.14	\$35.10	\$36.87	-4.8
Canada ¹	33.04	34.42	35.79	33.80	36.10	-6.4
Mexico.....	53.50	47.35	47.15	49.92	47.00	6.2
South America Total	44.33	43.92	45.00	44.28	44.56	-6
Argentina.....	49.42	-	-	49.23	45.61	8.0
Brazil.....	44.12	43.92	45.00	44.08	44.78	-1.6
Chile.....	-	-	-	-	30.26	-
Europe Total	47.50	47.90	48.41	47.65	47.70	-1
Belgium & Luxembourg.....	46.98	48.17	48.51	48.10	48.47	-8
Bulgaria.....	45.60	47.13	43.96	46.43	43.10	7.7
Finland.....	44.03	43.73	43.76	43.91	44.21	-7
France.....	48.03	45.84	47.58	47.20	46.81	.8
Germany, FR.....	46.16	48.07	48.49	47.28	48.48	-2.5
Ireland.....	-	-	-	37.42	-	-
Italy.....	49.73	48.18	49.45	48.82	47.58	2.6
Netherlands.....	47.76	47.24	48.46	47.14	47.89	-1.6
Norway.....	-	-	58.75	-	-	-
Portugal.....	44.00	-	44.91	44.46	45.39	-2.1
Romania.....	42.80	48.00	51.96	45.97	48.19	-4.6
Spain.....	48.29	51.07	50.85	49.03	-	-3.2
Sweden.....	47.98	48.34	48.72	48.11	48.45	-7
Turkey.....	46.47	46.63	45.32	46.44	45.31	2.5
United Kingdom.....	48.29	49.64	49.09	49.08	48.98	.2
Other ²	59.91	59.76	58.00	-	-	4.2
Asia Total	43.96	44.44	43.47	44.02	43.90	.3
China (Taiwan).....	41.76	-	45.76	42.98	45.85	-6.3
Israel.....	40.51	-	40.91	44.45	40.91	8.6
Japan.....	42.57	42.41	41.90	42.30	42.27	.1
Korea, Republic of.....	47.65	48.13	47.35	47.57	47.34	.5
Other ²	57.29	-	-	-	-	-3.3
Africa Total	47.68	49.91	49.68	49.95	-	-1.9
Algeria.....	45.36	46.28	-	46.42	49.70	-6.6
Egypt.....	49.81	51.49	51.90	-	-	-3.4
Morocco.....	-	-	30.30	-	30.30	-
South Africa, Rep of.....	46.14	48.83	49.95	48.45	49.67	-2.5
Total ³	44.54	45.46	44.94	45.50	45.57	-2
U.S. Total ⁴	44.73	45.58	45.08	45.61	45.67	-1

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

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

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

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

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

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

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

Customs District	July - September 1997	April - June 1997	July - September 1996	Year to date		
				1997	1996	Percent Change
Eastern Total	12,941,100	13,210,949	13,916,618	39,659,643	43,613,423	-9.1
Baltimore, MD.....	1,512,173	1,740,467	2,480,499	5,344,651	8,729,278	-38.8
Portland, ME.....	50	152	17	288	83	247.0
Buffalo, NY.....	994,937	1,036,406	764,673	2,361,919	1,552,309	52.2
New York City, NY.....	1,814	335	724	3,037	6,076	-50.0
Ogdensburg, NY.....	10,027	38,921	17,836	53,339	64,972	-17.9
Philadelphia, PA.....	89,137	95,114	134,930	220,807	274,622	-19.6
Norfolk, VA.....	10,332,962	10,299,324	10,517,615	31,674,585	32,985,542	-4.0
St. Albans, VT.....	-	230	324	1,017	541	88.0
Southern Total	3,911,939	3,998,617	4,189,617	12,162,093	12,263,450	-8
Mobile, AL.....	1,286,153	1,535,799	1,685,247	4,197,215	4,585,011	-8.5
Savannah, GA.....	8,858	-	-	36,513	-	-
Miami, FL.....	35	161	-	196	-	-
Tampa, FL.....	45	45	-	90	-	-
New Orleans, LA.....	2,006,423	1,841,290	1,958,956	6,175,540	6,799,552	-9.2
Wilmington, NC.....	40	20	-	60	8	(¹)
San Juan, PR.....	-	-	-	23	442	-94.8
Charleston, SC.....	33,509	42,805	39,998	158,884	130,067	22.2
El Paso, TX.....	9	-	-	9	-	-
Houston-Galveston, TX.....	125,601	186,247	60,575	419,633	167,993	149.8
Laredo, TX.....	451,266	392,250	444,841	1,173,930	580,377	102.3
Western Total	1,210,553	997,307	1,825,209	3,549,689	5,223,894	-32.0
Anchorage, AK.....	158,396	236,260	153,367	473,396	483,711	-2.1
Los Angeles, CA.....	987,878	674,093	1,623,438	2,903,084	4,592,470	-36.8
San Diego, CA.....	22	241	-	263	-	-
San Francisco, CA.....	-	73,587	-	73,587	644	(¹)
Great Falls, MT.....	171	86	133	313	361	-13.3
Seattle, WA.....	64,086	13,040	48,271	99,046	146,708	-32.5
Northern Total	4,283,689	2,391,361	3,568,046	7,578,462	5,919,208	28.0
Detroit, MI.....	409,580	761,320	1,365,472	1,896,973	2,074,667	-8.6
Duluth, MN.....	-	184	115,494	184	197,169	-99.9
Pembina, ND.....	280	169	154	478	494	-3.2
Cleveland, OH.....	3,873,829	1,629,688	2,086,926	5,680,827	3,646,878	55.8
Other Ports	7,159	5,033	4,308	18,891	38,569	-51.0
Total	22,354,440	20,603,267	23,503,798	62,968,778	67,058,544	-6.1

¹ Changes of 500 percent or more are not shown.

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

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

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

Continent and Country of Destination	July - September 1997	April - June 1997	July - September 1996	Year to date		
				1997	1996	Percent Change
North America Total	253,462	232,234	155,532	537,274	434,712	23.6
Canada ¹	182,391	185,036	125,240	369,760	325,317	13.7
Mexico.....	70,092	46,935	29,205	165,677	93,663	76.9
Other ²	979	263	1,087	1,837	15,732	-88.3
South America Total	7,010	-	115	18,573	27,587	-32.7
Europe Total	-	50,241	94,973	50,241	316,176	-84.1
Romania.....	-	-	82,940	-	167,319	-
Other ²	-	50,241	12,033	50,241	148,857	-66.2
Total	260,472	282,475	250,620	606,088	778,475	-22.1

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

² Includes countries with exports less than or equal to 50,000 short tons in 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	July - September 1997	April - June 1997	July - September 1996	Year to date		
				1997	1996	Percent Change
North America Total	307,761	317,562	360,883	806,190	1,056,357	-23.7
Canada.....	307,761	317,562	359,105	805,837	1,054,162	-23.6
Mexico.....	-	-	1,778	353	2,195	-83.9
South America Total	1,496,671	1,164,401	1,214,552	3,300,633	3,155,525	4.6
Argentina.....	-	13	-	13	-	-
Colombia.....	1,042,034	874,727	803,961	2,409,248	1,984,344	21.4
Venezuela.....	454,637	289,661	410,591	891,372	1,171,181	-23.9
Europe Total	2,416	8,094	1,989	18,337	2,177	(¹)
Belgium & Luxembourg.....	2,393	1,241	1,977	4,872	2,066	135.8
Germany, FR.....	19	1	-	20	-	-
Norway.....	-	6,852	-	13,441	-	-
Spain.....	-	-	-	-	99	-
Turkey.....	-	-	12	-	12	-
United Kingdom.....	4	-	-	4	-	-
Asia Total	415,306	187,219	469,293	1,010,504	1,020,419	-1.0
China (Mainland).....	478	303	-	930	-	-
Hong Kong.....	-	-	1	-	1	-
Indonesia.....	394,371	186,916	469,292	976,993	1,020,418	-4.3
Vietnam.....	20,457	-	-	32,581	-	-
Oceania & Australia Total	-	30,307	23,845	125,463	101,687	23.4
Australia.....	-	30,307	23,845	84,458	101,687	-16.9
New Zealand.....	-	-	-	41,005	-	-
Total	2,222,154	1,707,583	2,070,562	5,261,127	5,336,165	-1.4

¹ Changes of 500 percent or more are not shown.

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

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

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

Continent and Country of Origin	July - September 1997	April - June 1997	July - September 1996	Year to date		
				1997	1996	Percent Change
North America Total	\$39.18	\$39.87	\$36.49	\$36.83	\$34.27	7.5
Canada.....	39.18	39.87	36.51	36.83	34.27	7.5
Mexico.....	-	-	33.92	-	31.72	-
South America Total	32.27	32.79	31.08	32.38	31.02	4.4
Colombia.....	32.38	32.64	31.55	32.39	31.20	3.8
Venezuela.....	32.01	33.23	30.19	32.35	30.72	5.3
Asia Total	32.88	36.48	29.87	33.14	32.98	.5
Indonesia.....	32.04	36.48	29.87	32.80	32.98	-.5
Vietnam.....	49.09	-	-	49.09	-	-
Oceania & Australia Total	-	34.95	32.51	34.21	33.52	2.0
Australia.....	-	34.95	32.51	34.21	33.52	2.0
Total ¹	33.29	34.48	31.55	33.20	32.02	3.7
U.S. Total ²	33.69	35.26	33.19	34.24	33.08	3.5

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

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

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

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

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

Customs District	July - September 1997	April - June 1997	July - September 1996	Year to date		
				1997	1996	Percent Change
Eastern Total	843,849	600,535	583,566	1,828,580	1,649,041	10.9
Boston, MA.....	553,068	397,303	479,591	1,177,250	1,402,026	-16.0
Baltimore, MD.....	-	-	-	-	99	-
Portland, ME.....	64,731	69,258	65,647	220,699	181,054	21.9
Buffalo, NY.....	2,415	1,241	2,196	4,894	2,251	117.4
New York City, NY.....	179,114	105,507	-	353,990	65	(1)
Ogdensburg, NY.....	-	-	-	-	50	-
Philadelphia, PA.....	44,502	27,226	36,132	71,728	63,496	13.0
Norfolk, VA.....	19	-	-	19	-	-
Southern Total	895,657	633,349	926,208	2,057,900	2,062,497	-2
Mobile, AL.....	53,408	34,975	36,248	152,273	257,067	-40.8
Savannah, GA.....	92,415	43,120	54,673	161,335	118,509	36.1
Miami, FL.....	-	13	-	13	-	-
Tampa, FL.....	457,792	425,655	508,891	1,022,346	1,102,493	-7.3
New Orleans, LA.....	219,944	68,242	291,262	548,000	509,510	7.6
San Juan, PR.....	51,641	61,344	33,344	140,999	66,689	111.4
Houston-Galveston, TX.....	20,457	-	12	32,581	6,034	440.0
Laredo, TX.....	-	-	1,778	353	2,195	-83.9
Western Total	189,299	171,839	201,875	626,351	582,858	7.5
Los Angeles, CA.....	-	-	-	149	-	-
Honolulu, HI.....	174,427	148,982	201,875	554,457	570,707	-2.8
Great Falls, MT.....	-	281	-	281	25	(1)
Portland, OR.....	-	6,852	-	13,441	-	-
Seattle, WA.....	14,872	15,724	-	58,023	12,126	378.5
Northern Total	293,349	301,860	358,913	748,296	1,041,769	-28.2
Chicago, IL.....	113,555	92,757	32,378	206,312	181,317	13.8
Detroit, MI.....	95,026	125,882	126,922	226,379	247,118	-8.4
Duluth, MN.....	-	-	79,332	416	224,224	-99.8
St. Louis, MO.....	-	-	1	-	1	-
Pembina, ND.....	84,290	82,918	120,280	314,408	389,109	-19.2
Milwaukee, WI.....	478	303	-	781	-	-
Total	2,222,154	1,707,583	2,070,562	5,261,127	5,336,165	-1.4

1 Changes of 500 percent or more are not shown.

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

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

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

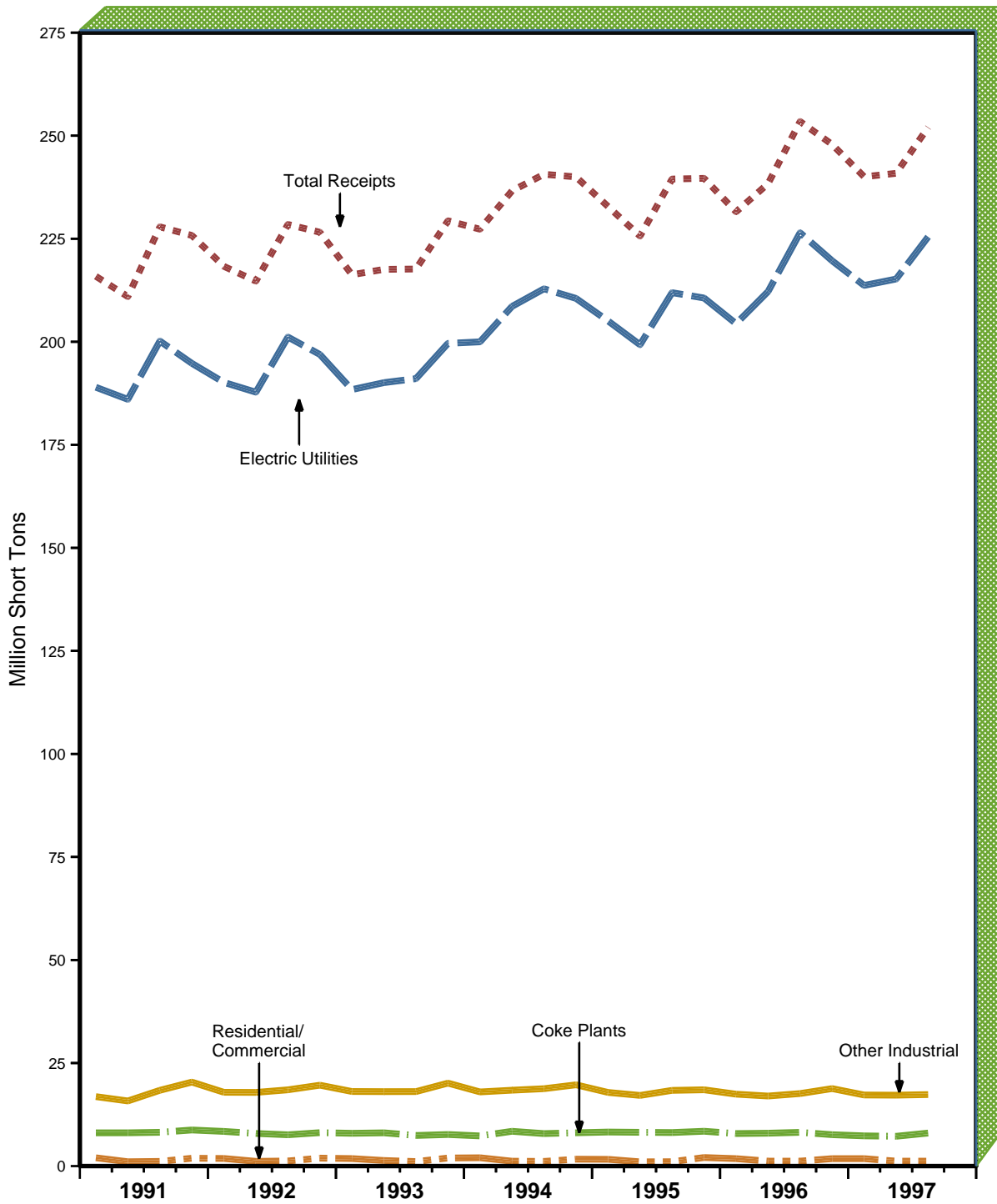
Continent and Country of Origin	July - September 1997	April - June 1997	July - September 1996	Year to date		
				1997	1996	Percent Change
North America Total	2,849	9,306	16,655	17,835	57,976	-69.2
Canada.....	2,849	9,306	16,655	17,835	57,976	-69.2
Asia Total	493,986	401,746	135,219	1,160,651	751,907	54.4
China (Mainland).....	222,272	142,013	48,057	410,970	181,796	126.1
Japan.....	271,714	259,733	87,162	749,681	570,111	31.5
Total	496,835	411,052	151,874	1,178,486	809,883	45.5

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."

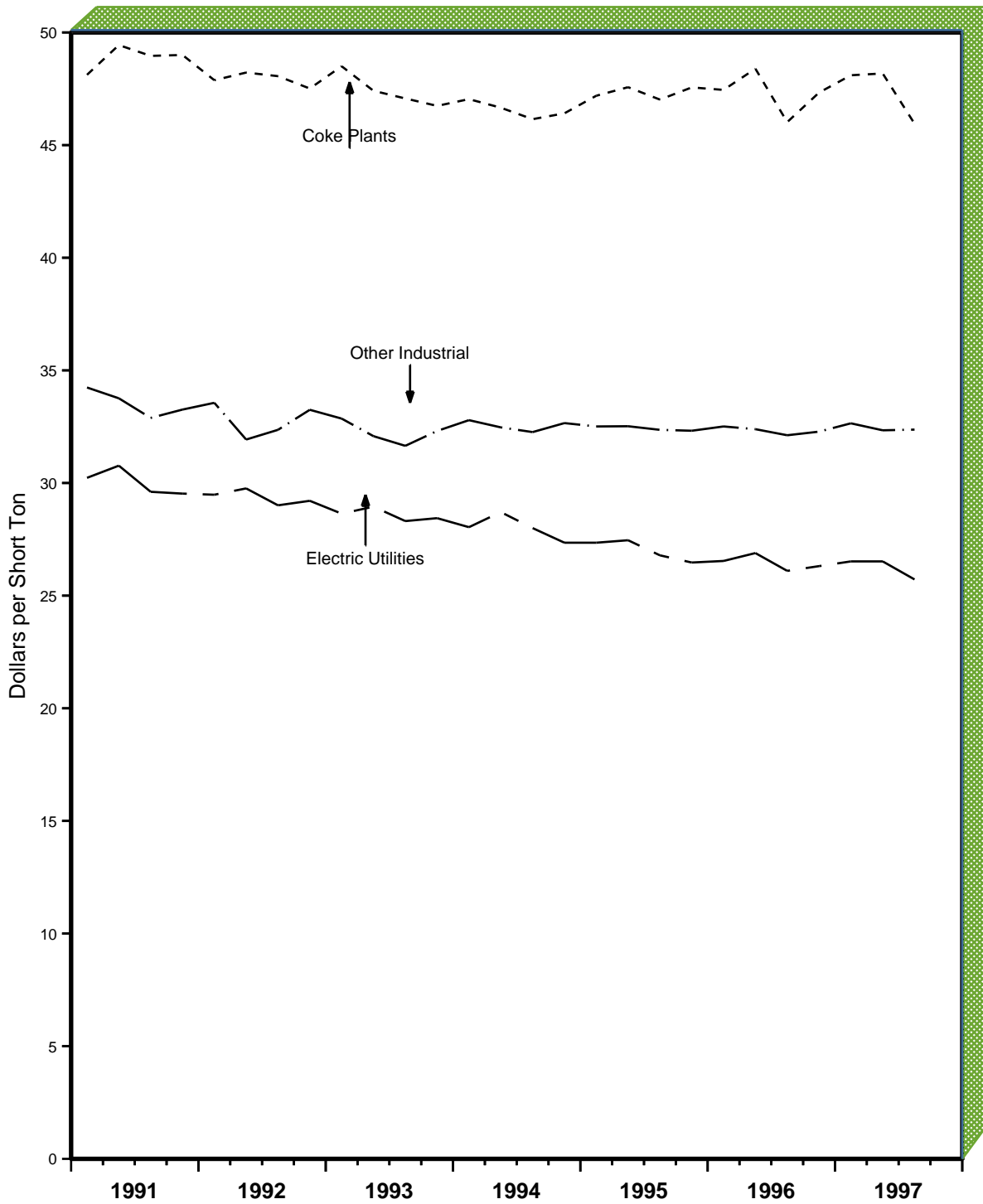
Table 20. U.S. Coal Receipts by End-Use Sector, 1991-1997
(Thousand Short Tons)

Year and Quarter	Electric Utilities	Coke Plants	Other Industrial	Residential and Commercial	Total
1991 January - March	188,963	8,066	16,847	2,008	215,885
April - June	186,026	8,073	15,800	1,055	210,953
July - September	200,172	8,195	18,385	1,132	227,884
October - December	194,762	8,757	20,377	1,899	225,795
Total	769,923	33,090	71,410	6,094	880,517
1992 January - March	190,139	8,410	17,902	1,843	218,294
April - June	187,772	7,915	17,873	1,149	214,708
July - September	201,143	7,592	18,503	1,236	228,473
October - December	196,909	8,110	19,625	1,925	226,569
Total	775,963	32,027	73,903	6,153	888,046
1993 January - March	188,401	7,951	18,095	1,817	216,264
April - June	190,085	8,067	18,062	1,354	217,568
July - September	191,054	7,426	18,075	1,094	217,649
October - December	199,612	7,661	20,127	1,956	229,356
Total	769,152	31,104	74,359	6,221	880,836
1994 January - March	199,981	7,318	17,990	2,016	227,305
April - June	208,576	8,438	18,408	1,187	236,610
July - September	212,849	7,881	18,777	1,135	240,642
October - December	210,523	8,081	19,717	1,674	239,996
Total	831,929	31,719	74,893	6,013	944,553
1995 January - March	205,054	8,261	17,871	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
Total	826,860	33,036	71,895	5,807	937,597
1996 January - March	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
Total	862,701	31,672	70,842	6,006	971,220
1997 January - March	213,666	7,330	17,246	1,802	240,044
April - June	215,227	7,232	17,207	1,201	240,867
July - September	225,461	8,010	17,351	1,201	252,023
Total	654,354	22,571	51,804	4,204	732,934

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 ¹
1991 January - March	\$30.23	\$48.12	\$34.24
April - June.....	30.77	49.44	33.76
July - September.....	29.61	48.96	32.89
October - December.....	29.53	49.00	33.26
Average Annual Price	30.02	48.88	33.54
1992 January - March	29.48	47.88	33.56
April - June.....	29.76	48.22	31.93
July - September.....	29.01	48.06	32.36
October - December.....	29.21	47.51	33.25
Average Annual Price	29.36	47.92	32.78
1993 January - March	28.64	48.50	32.86
April - June.....	28.95	47.41	32.08
July - September.....	28.31	47.07	31.65
October - December.....	28.44	46.74	32.31
Average Annual Price	28.58	47.44	32.23
1994 January - March	28.04	47.04	32.79
April - June.....	28.71	46.66	32.47
July - September.....	28.00	46.15	32.26
October - December.....	27.35	46.41	32.66
Average Annual Price	28.03	46.56	32.55
1995 January - March	27.35	47.19	32.51
April - June.....	27.46	47.57	32.52
July - September.....	26.79	47.02	32.36
October - December.....	26.47	47.56	32.32
Average Annual Price	27.01	47.34	32.42
1996 January - March	26.54	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
Average Annual Price	26.45	47.33	32.32
1997 January - March	26.52	48.10	32.65
April - June.....	26.52	48.18	32.34
July - September.....	25.72	45.95	32.37

¹ Manufacturing plants only.

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

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

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

Census Division and State	July - September 1997	April - June 1997	July - September 1996	Year to Date		
				1997	1996	Percent Change
New England Total	1,803	1,969	1,847	5,530	5,456	1.4
Connecticut.....	212	332	247	763	689	10.8
Maine.....	48	58	48	150	181	-17.2
Massachusetts.....	1,133	1,207	1,226	3,406	3,631	-6.2
New Hampshire.....	408	372	326	1,208	951	26.9
Rhode Island.....	1	1	1	2	2	.0
Vermont.....	*	*	*	1	1	.0
Middle Atlantic Total	18,231	17,444	17,839	54,002	52,077	3.7
New Jersey.....	394	557	557	1,523	1,647	-7.5
New York.....	2,957	2,444	2,842	8,067	8,041	.3
Pennsylvania.....	14,881	14,443	14,440	44,413	42,389	4.8
East North Central Total	59,349	58,960	58,192	171,938	165,910	3.6
Illinois.....	11,336	11,909	11,360	35,528	31,906	11.4
Indiana.....	16,103	16,218	15,954	47,541	47,877	-.7
Michigan.....	10,314	9,498	10,563	25,608	24,500	4.5
Ohio.....	14,755	14,368	13,705	43,956	43,582	.9
Wisconsin.....	6,841	6,967	6,610	19,305	18,045	7.0
West North Central Total	34,798	30,655	35,845	99,461	102,606	-3.1
Iowa.....	4,981	4,892	6,016	14,838	16,758	-11.5
Kansas.....	4,485	3,530	5,054	12,558	14,008	-10.4
Minnesota.....	5,120	3,757	4,406	14,157	13,904	1.8
Missouri.....	9,539	8,342	9,715	26,179	26,377	-.8
Nebraska.....	2,880	2,611	2,825	8,359	7,879	6.1
North Dakota.....	7,230	6,907	7,464	21,657	22,318	-3.0
South Dakota.....	562	617	365	1,714	1,362	25.9
South Atlantic Total	41,516	40,390	42,031	122,868	121,272	1.3
Delaware.....	497	500	496	1,452	1,321	9.9
District of Columbia.....	5	5	5	16	16	.0
Florida.....	7,397	7,383	7,393	21,612	20,815	3.8
Georgia.....	7,945	7,579	8,724	22,617	24,101	-6.2
Maryland.....	2,767	2,595	2,591	8,074	8,812	-8.4
North Carolina.....	7,201	6,962	7,394	21,592	19,798	9.1
South Carolina.....	3,489	3,342	3,291	10,251	9,130	12.3
Virginia.....	4,017	3,563	3,534	11,734	10,926	7.4
West Virginia.....	8,198	8,462	8,603	25,520	26,352	-3.2
East South Central Total	28,833	29,403	28,499	86,027	83,487	3.0
Alabama.....	8,603	8,956	9,127	26,231	26,347	-.4
Kentucky.....	11,796	11,938	10,679	34,461	32,054	7.5
Mississippi.....	1,760	1,544	1,461	4,756	3,957	20.2
Tennessee.....	6,674	6,965	7,232	20,579	21,128	-2.6
West South Central Total	37,229	34,514	39,189	106,512	111,728	-4.7
Arkansas.....	3,114	2,900	4,135	9,147	11,588	-21.1
Louisiana.....	3,536	3,440	3,578	10,090	9,694	4.1
Oklahoma.....	4,870	4,839	5,280	14,573	15,541	-6.2
Texas.....	25,709	23,336	26,195	72,703	74,905	-2.9
Mountain Total	27,744	25,840	27,849	80,538	75,256	7.0
Arizona.....	4,554	4,312	4,307	12,573	11,785	6.7
Colorado.....	4,522	4,341	4,253	12,849	12,181	5.5
Idaho.....	121	68	110	320	226	41.4
Montana.....	2,613	1,677	2,367	6,580	5,148	27.8
Nevada.....	1,737	1,535	2,082	5,089	5,226	-2.6
New Mexico.....	4,059	3,918	4,047	12,029	10,678	12.7
Utah.....	3,720	4,310	3,774	12,411	11,187	10.9
Wyoming.....	6,418	5,679	6,910	18,686	18,825	-.7
Pacific Total	2,521	1,692	2,313	6,057	6,041	.3
Alaska.....	95	95	95	334	334	.0
California.....	517	557	586	1,601	1,702	-5.9
Hawaii.....	18	30	29	102	120	-14.6
Oregon.....	335	2	294	487	313	55.3
Washington.....	1,556	1,007	1,309	3,534	3,573	-1.1
U.S. Total	252,023	240,867	253,604	732,935	723,834	1.3

* Rounded to zero.

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

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

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

Census Division and State	July-September 1997		July-September 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
New England	1,729	171	1,773	169	5,316	172	5,192	170	2.4	1.0
Connecticut.....	211	188	246	191	759	191	685	191	10.8	*
Massachusetts.....	1,112	170	1,202	168	3,354	171	3,561	169	-5.8	1.0
New Hampshire.....	407	165	324	158	1,202	162	946	158	27.1	2.6
Mid Atlantic	13,529	137	12,780	140	40,173	138	37,681	141	6.6	-2.0
New Jersey.....	390	176	549	175	1,511	176	1,623	176	-6.9	.1
New York.....	2,207	145	1,981	145	5,850	142	5,723	143	2.2	-3
Pennsylvania.....	10,933	134	10,250	137	32,812	136	30,335	139	8.2	-2.3
East North Central	51,428	128	50,869	133	149,782	131	143,973	134	4.0	-1.8
Illinois.....	9,761	146	9,818	157	30,804	158	27,239	164	13.1	-3.5
Indiana.....	13,269	116	13,334	118	39,203	117	39,607	120	-1.0	-3.1
Michigan.....	8,797	137	9,308	140	22,643	137	21,383	139	5.9	-1.0
Ohio.....	13,266	129	12,263	135	39,197	131	39,005	134	.5	-2.0
Wisconsin.....	6,335	109	6,146	108	17,935	109	16,738	107	7.1	2.4
West North Central	31,411	92	32,267	92	89,430	92	92,064	93	-2.9	-2
Iowa.....	4,007	99	5,027	94	12,385	95	14,165	95	-12.6	-1
Kansas.....	4,433	101	4,994	97	12,396	105	13,824	99	-10.3	6.0
Minnesota.....	4,804	111	4,024	108	13,078	112	12,577	108	4.0	3.1
Missouri.....	9,206	93	9,388	96	25,116	94	25,394	95	-1.1	-1.9
Nebraska.....	2,820	57	2,745	73	8,169	59	7,683	73	6.3	-19.9
North Dakota.....	5,689	78	5,821	73	16,888	77	17,326	74	-2.5	4.3
South Dakota.....	453	92	267	91	1,398	93	1,094	92	27.8	.6
South Atlantic	37,910	148	38,068	149	111,417	148	109,009	150	2.2	-1.1
Delaware.....	452	154	455	158	1,320	158	1,197	158	10.3	.2
Florida.....	7,068	171	7,042	173	20,605	174	19,851	175	3.8	-9
Georgia.....	7,442	158	8,272	159	21,099	158	22,634	157	-6.8	.6
Maryland.....	2,563	148	2,391	148	7,458	151	8,188	150	-8.9	.7
North Carolina.....	6,647	144	6,829	146	19,766	144	17,906	149	10.4	-3.2
South Carolina.....	3,011	144	2,797	148	8,745	145	7,623	147	14.7	-1.5
Virginia.....	3,113	140	2,595	143	8,813	139	8,013	143	10.0	-2.2
West Virginia.....	7,615	124	7,686	124	23,610	124	23,596	125	.1	-1.2
East South Central	25,509	123	25,141	124	75,955	124	73,178	125	3.8	-.7
Alabama.....	7,201	156	7,692	152	21,938	155	21,927	154	*	.4
Kentucky.....	10,872	104	9,724	104	31,684	104	29,181	105	8.6	-9
Mississippi.....	1,711	156	1,399	156	4,604	155	3,774	151	22.0	2.1
Tennessee.....	5,725	112	6,326	114	17,730	113	18,296	115	-3.1	-1.4
West South Central	35,788	122	37,703	123	102,261	126	107,218	128	-4.6	-1.7
Arkansas.....	3,046	162	4,048	137	8,911	166	11,325	148	-21.3	12.3
Louisiana.....	3,529	142	3,548	151	10,035	148	9,616	152	4.4	-2.8
Oklahoma.....	4,737	90	5,113	98	14,103	92	14,983	98	-5.9	-6.5
Texas.....	24,477	120	24,994	122	69,211	125	71,294	128	-2.9	-2.8
Mountain	26,303	112	26,320	113	76,159	113	71,029	114	7.2	-1.4
Arizona.....	4,373	141	4,115	148	12,053	145	11,270	146	6.9	-8
Colorado.....	4,422	101	4,149	101	12,563	103	11,908	105	5.5	-1.8
Montana.....	2,588	67	2,341	70	6,482	68	5,061	72	28.1	-5.5
Nevada.....	1,691	141	2,027	139	4,959	142	5,078	143	-2.3	-8
New Mexico.....	4,039	137	4,024	143	11,966	136	10,604	146	12.8	-7.2
Utah.....	3,308	119	3,287	112	11,145	114	9,904	108	12.5	5.7
Wyoming.....	5,881	82	6,377	83	16,992	82	17,203	82	-1.2	-1.1
Pacific	1,853	136	1,533	129	3,863	163	3,701	150	4.4	8.6
Oregon.....	327	114	269	102	462	114	269	102	71.7	12.2
Washington.....	1,526	141	1,264	136	3,401	170	3,432	154	-9	10.3
U.S. Total	225,461	126	226,454	128	654,354	128	643,045	129	1.8	-1.1

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

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

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

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

Census Division and State	July-September 1997		July-September 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
New England	1,404	172	1,485	170	4,409	172	4,490	170	-1.8	1.5
Connecticut.....	176	191	246	191	691	192	685	191	.9	.8
Massachusetts.....	971	170	1,047	167	2,990	170	3,077	168	-2.8	1.3
New Hampshire.....	257	164	192	157	729	162	729	158	*	2.5
Mid Atlantic	10,112	142	9,567	145	30,749	142	28,151	146	9.2	-2.9
New Jersey.....	305	180	526	176	1,372	177	1,548	177	-11.3	.4
New York.....	1,935	143	1,704	145	5,121	140	5,152	142	-6	-1.6
Pennsylvania.....	7,871	140	7,337	143	24,257	141	21,450	145	13.1	-3.1
East North Central	36,812	135	38,112	141	110,096	139	108,825	142	1.2	-2.1
Illinois.....	8,370	152	8,307	165	26,010	166	23,241	171	11.9	-3.3
Indiana.....	7,262	127	9,122	125	23,843	127	27,970	129	-14.8	-1.1
Michigan.....	7,382	138	7,615	144	18,839	138	17,243	143	9.3	-3.5
Ohio.....	8,761	138	8,395	149	26,831	142	27,601	146	-2.8	-2.8
Wisconsin.....	5,039	103	4,673	106	14,572	104	12,769	104	14.1	*
West North Central	27,942	93	29,500	93	80,162	93	82,299	93	-2.6	-.3
Iowa.....	3,277	100	4,170	94	10,111	95	11,638	96	-13.1	-3
Kansas.....	4,432	101	4,994	97	12,330	105	12,544	102	-1.7	3.4
Minnesota.....	4,723	111	3,911	108	12,729	112	11,721	108	8.6	3.1
Missouri.....	7,107	94	8,270	96	20,630	94	22,277	96	-7.4	-1.5
Nebraska.....	2,263	54	2,068	75	6,285	56	5,701	75	10.3	-25.4
North Dakota.....	5,688	78	5,818	73	16,679	77	17,324	74	-3.7	4.2
South Dakota.....	453	92	267	91	1,398	93	1,094	92	27.8	.6
South Atlantic	27,147	148	24,979	153	81,022	149	71,148	154	13.9	-3.8
Delaware.....	446	154	409	158	1,125	159	974	160	15.5	-.5
Florida.....	4,288	178	4,401	185	13,025	181	12,878	188	1.1	-3.7
Georgia.....	3,883	165	3,164	175	11,481	166	9,139	169	25.6	-2.1
Maryland.....	1,798	149	1,643	147	5,545	149	5,118	148	8.3	.7
North Carolina.....	5,230	148	5,076	149	14,891	147	13,197	152	12.8	-3.1
South Carolina.....	2,045	145	1,977	150	6,341	146	5,372	150	18.0	-3.1
Virginia.....	2,169	141	1,952	142	6,505	139	6,106	142	6.5	-1.7
West Virginia.....	7,288	125	6,358	128	22,108	125	18,363	133	20.4	-6.1
East South Central	19,110	128	18,427	130	57,418	128	55,181	130	4.1	-1.9
Alabama.....	6,550	158	6,332	158	18,698	160	18,363	161	1.8	-.6
Kentucky.....	6,651	104	6,556	105	21,418	104	20,639	107	3.8	-2.5
Mississippi.....	1,313	158	1,241	159	3,867	156	3,239	155	19.4	1.2
Tennessee.....	4,595	112	4,297	116	13,435	112	12,940	116	3.8	-3.9
West South Central	33,693	121	35,806	123	96,656	126	102,055	128	-5.3	-1.6
Arkansas.....	2,762	167	3,971	138	8,229	170	10,933	149	-24.7	14.3
Louisiana.....	3,529	142	3,548	151	10,035	148	9,616	152	4.4	-2.8
Oklahoma.....	4,737	90	5,113	98	14,091	92	14,752	99	-4.5	-6.8
Texas.....	22,666	119	23,174	122	64,301	125	66,753	128	-3.7	-2.7
Mountain	25,006	113	25,202	114	71,718	113	68,314	115	5.0	-1.6
Arizona.....	3,825	144	3,531	155	10,315	149	10,065	150	2.5	-.8
Colorado.....	4,103	102	3,809	101	11,483	105	11,205	106	2.5	-1.2
Montana.....	2,588	67	2,341	70	6,482	68	5,061	72	28.1	-5.5
Nevada.....	1,528	144	1,982	140	4,617	144	5,033	143	-8.3	.1
New Mexico.....	4,039	137	4,024	143	11,966	136	10,604	146	12.8	-7.2
Utah.....	3,124	122	3,138	114	10,407	116	9,435	111	10.3	5.1
Wyoming.....	5,798	83	6,377	83	16,448	82	16,910	83	-2.7	-1.1
Pacific	1,395	143	1,264	136	3,265	172	3,416	154	-4.4	11.8
Washington.....	1,395	143	1,264	136	3,265	172	3,416	154	-4.4	11.8
U.S. Total	182,621	127	184,342	129	535,496	129	523,878	131	2.2	-1.6

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

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

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

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

Census Division and State	July-September 1997		July-September 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
New England	325	168	287	167	906	170	702	172	29.1	-1.4
Connecticut	35	170	-	-	68	175	-	-	-	-
Massachusetts.....	141	168	155	173	365	177	485	178	-24.7	-3
New Hampshire.....	150	167	132	160	474	163	217	159	118.1	2.2
Mid Atlantic	3,418	121	3,213	124	9,424	125	9,530	125	-1.1	-1
New Jersey.....	84	162	24	167	138	163	75	162	84.0	.8
New York.....	272	157	276	146	729	161	570	151	27.9	7.0
Pennsylvania.....	3,061	117	2,913	121	8,556	121	8,885	123	-3.7	-1.6
East North Central	14,615	111	12,757	109	39,686	111	35,148	109	12.9	2.2
Illinois.....	1,392	108	1,511	115	4,794	120	3,998	124	19.9	-3.0
Indiana.....	6,007	104	4,213	104	15,360	102	11,636	103	32.0	-1.0
Michigan.....	1,415	129	1,692	123	3,804	133	4,140	119	-8.1	11.7
Ohio.....	4,505	110	3,868	104	12,366	108	11,404	105	8.4	3.1
Wisconsin.....	1,296	130	1,473	115	3,363	128	3,969	115	-15.3	11.7
West North Central	3,469	88	2,767	88	9,268	87	9,765	87	-5.1	.4
Iowa.....	730	93	857	93	2,274	91	2,527	90	-10.0	1.0
Kansas.....	1	129	-	-	66	74	1,280	72	-94.9	2.4
Minnesota.....	81	124	113	116	349	119	856	112	-59.2	6.0
Missouri.....	2,099	91	1,118	95	4,486	91	3,117	94	43.9	-3.5
Nebraska.....	556	68	676	67	1,884	67	1,983	67	-5.0	-6
North Dakota.....	2	53	2	65	209	80	2	65	NM	22.7
South Atlantic	10,764	145	13,088	143	30,395	146	37,861	140	-19.7	4.4
Delaware.....	6	151	46	156	195	153	223	149	-12.6	2.4
Florida.....	2,779	159	2,641	154	7,580	161	6,973	152	8.7	6.0
Georgia.....	3,559	148	5,107	148	9,618	148	13,496	148	-28.7	.1
Maryland.....	765	147	748	152	1,913	157	3,070	153	-37.7	2.6
North Carolina.....	1,417	129	1,753	138	4,875	133	4,709	139	3.5	-4.2
South Carolina.....	967	142	820	141	2,404	143	2,250	139	6.8	2.5
Virginia.....	944	139	644	145	2,308	140	1,907	145	21.0	-3.9
West Virginia.....	327	110	1,329	105	1,502	108	5,233	98	-71.3	9.7
East South Central	6,399	111	6,715	109	18,537	113	17,998	109	3.0	3.5
Alabama.....	651	136	1,360	123	3,240	127	3,564	122	-9.1	4.4
Kentucky.....	4,222	104	3,168	101	10,265	105	8,543	102	20.2	3.1
Mississippi.....	397	149	157	130	737	146	535	133	37.6	9.5
Tennessee.....	1,130	111	2,029	110	4,295	116	5,356	110	-19.8	5.6
West South Central	2,095	127	1,898	125	5,604	124	5,163	127	8.5	-2.8
Arkansas.....	284	110	77	120	682	114	392	118	74.0	-2.8
Oklahoma.....	-	-	-	-	12	84	230	79	-94.9	5.9
Texas.....	1,811	129	1,821	125	4,910	125	4,541	130	8.1	-4.1
Mountain	1,297	96	1,118	95	4,441	100	2,715	90	63.6	10.8
Arizona.....	548	115	584	104	1,738	119	1,205	110	44.2	7.7
Colorado.....	319	77	340	98	1,079	83	703	87	53.6	-3.6
Nevada.....	163	116	45	103	342	121	45	103	NM	17.7
Utah.....	184	71	149	58	738	85	469	57	57.3	48.9
Wyoming.....	83	69	-	-	544	76	293	71	85.7	6.8
Pacific	458	117	269	102	598	117	285	106	109.9	10.1
Oregon.....	327	114	269	102	462	114	269	102	71.7	12.2
Washington.....	131	123	*	109	136	125	16	174	NM	-28.0
U.S. Total	42,840	121	42,112	121	118,859	121	119,167	120	-3	1.0

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

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	July-September 1997	April-June 1997	July-September 1996	Year to Date		
				1997	1996	Percent Change
New England	\$43.24	\$43.56	\$43.45	\$43.76	\$43.53	0.5
Connecticut	49.34	50.58	50.12	50.16	50.03	.3
Massachusetts.....	42.36	42.06	42.59	42.85	42.78	.2
New Hampshire	42.49	42.12	41.59	42.27	41.66	1.5
Mid Atlantic	33.98	33.86	34.76	34.41	35.16	-2.1
New Jersey	45.54	46.39	44.90	46.02	45.79	.5
New York.....	37.98	37.56	37.71	37.34	37.20	.4
Pennsylvania	32.76	32.64	33.65	33.35	34.20	-2.5
East North Central	26.98	27.74	27.88	27.75	28.36	-2.1
Illinois	28.26	30.58	31.07	30.99	32.46	-4.6
Indiana.....	24.48	24.29	24.29	24.42	24.96	-2.2
Michigan	28.52	29.17	28.64	28.94	28.95	*
Ohio.....	30.54	31.51	32.50	31.22	32.36	-3.5
Wisconsin.....	20.66	21.06	20.20	20.39	19.66	3.7
West North Central	15.57	15.56	15.64	15.54	15.63	-0.6
Iowa.....	17.41	16.34	16.39	16.42	16.39	.2
Kansas	17.56	19.60	17.18	18.40	17.41	5.7
Minnesota.....	19.80	20.06	19.35	19.90	19.36	2.8
Missouri.....	16.71	16.90	17.42	16.84	17.30	-2.7
Nebraska.....	9.80	10.41	12.50	10.10	12.61	-19.9
North Dakota.....	10.12	9.85	9.69	10.08	9.70	3.9
South Dakota.....	16.00	15.94	16.81	16.07	16.67	-3.6
South Atlantic	36.31	36.41	36.67	36.43	36.77	-0.9
Delaware	40.23	41.25	41.13	41.33	41.23	.2
Florida	41.27	41.84	42.12	42.07	42.81	-1.7
Georgia.....	37.13	37.85	37.10	37.24	36.35	2.4
Maryland.....	38.31	38.84	38.28	38.98	38.65	.9
North Carolina	35.73	35.00	36.23	35.55	36.94	-3.8
South Carolina	37.13	36.98	37.57	37.26	37.56	-.8
Virginia	35.15	34.77	36.12	35.01	35.99	-2.7
West Virginia.....	30.66	30.69	30.69	30.68	31.09	-1.3
East South Central	28.52	28.63	29.15	28.74	29.30	-1.9
Alabama	35.83	36.01	35.89	36.08	36.48	-1.1
Kentucky	23.94	23.92	23.91	24.05	24.28	-.9
Mississippi.....	33.08	32.66	35.90	32.53	34.03	-4.4
Tennessee	26.67	27.04	27.53	27.06	27.71	-2.3
West South Central	18.82	20.28	19.23	19.57	20.01	-2.2
Arkansas	28.27	29.69	24.01	28.93	25.77	12.3
Louisiana.....	23.05	24.14	24.65	23.86	24.78	-3.7
Oklahoma.....	15.66	16.13	16.84	15.93	16.96	-6.1
Texas	17.65	19.37	18.17	18.49	19.09	-3.1
Mountain	21.66	22.21	22.06	21.90	22.29	-1.7
Arizona.....	28.71	29.64	30.28	29.42	29.88	-1.6
Colorado.....	19.78	20.59	20.05	20.37	20.67	-1.5
Montana.....	11.29	11.62	11.79	11.39	12.14	-6.2
Nevada.....	31.55	34.04	31.01	31.58	31.71	-.4
New Mexico.....	24.88	24.16	26.16	24.65	26.73	-7.8
Utah	26.51	25.08	25.56	25.89	24.92	3.9
Wyoming.....	14.62	13.84	14.59	14.32	14.37	-.3
Pacific	22.23	30.53	21.01	26.48	23.89	10.8
Oregon.....	20.01	-	17.99	20.01	17.99	11.2
Washington	22.71	30.53	21.66	27.36	24.36	12.3
U.S. Total	25.72	26.52	26.10	26.25	26.50	-1.0

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

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

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

Table 27. Coal Receipts and Prices by Sulfur Content at Electric Utility Plants, by State of Origin and Imports, January-September 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	6,423	199	5,125	159	983	144	12,530	179	0.92	-0.9	0.9	1.3
Arizona	7,852	126	-	-	-	-	7,852	126	.48	-4.4	1.8	.8
Colorado	16,748	125	356	88	-	-	17,104	125	.41	8.3	-2	-9
Illinois	45	132	10,356	147	15,943	129	26,344	136	2.04	-19.3	-1.2	2.1
Indiana	1,412	141	7,353	120	13,408	98	22,172	108	2.10	28.2	-4	-4.0
Kansas	-	-	-	-	208	114	208	114	3.25	71.4	-14.0	51.8
Kentucky	11,270	156	53,756	144	24,994	107	90,020	136	1.37	2.6	-1.2	1.4
Louisiana	-	-	1,631	135	1,154	136	2,785	135	1.55	12.7	-3.3	10.7
Maryland	7	155	2,695	124	1	108	2,702	124	1.32	19.8	-10.7	8.2
Missouri	-	-	-	-	225	108	225	108	3.38	-46.2	-2	.5
Montana	13,639	160	13,517	90	-	-	27,156	127	.60	10.2	-1.4	5.4
New Mexico	5,044	169	14,640	138	-	-	19,684	146	.76	13.3	-6.3	1.2
North Dakota	-	-	16,122	76	659	83	16,781	77	1.16	-3.1	4.4	7.2
Ohio	-	-	200	117	18,904	127	19,104	127	2.98	3.3	-2.2	-1.5
Oklahoma	-	-	-	-	80	107	80	107	2.64	-23.4	-2.3	10.8
Pennsylvania	1,462	153	26,830	135	10,851	117	39,143	131	1.45	12.3	-1.6	2.1
Tennessee	5	138	2,148	126	-	-	2,153	126	.90	-2.3	2.3	-5.5
Texas	-	-	22,369	98	15,329	90	37,698	95	1.62	-2.7	-2.7	3.9
Utah	13,138	119	612	120	-	-	13,750	119	.42	3.2	4.4	4.7
Virginia	3,431	166	7,420	139	237	124	11,088	147	.83	2.4	-9	3.5
Washington	-	-	3,142	174	*	121	3,142	174	.82	-8.0	12.9	-8.9
West Virginia	26,433	154	33,212	138	17,629	127	77,274	141	1.19	2.0	-5	.2
Wyoming	188,085	116	13,798	111	-	-	201,883	116	.40	-4	-1.3	-4
Imported	2,886	162	589	146	-	-	3,474	159	.59	-3.0	-2.1	10.2
Total	297,879	130	235,871	131	120,604	116	654,354	128	1.08	1.8	-1.1	1.0

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

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

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

Table 28. Destination of Coal Received at Electric Utility Plants by Origin, January-September 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
Alabama	21,938	21,927	85.2	83.7	0.99	1.02	155	154
Alabama.....	12,109	12,354	93.2	95.4	.90	.89	179	178
Illinois.....	1,165	1,213	14.6	-	1.13	1.57	133	126
Kentucky.....	2,286	3,092	67.8	61.1	1.97	1.69	113	116
Ohio.....	-	66	-	-	-	3.43	-	118
Pennsylvania.....	74	212	100.0	100.0	1.83	1.74	113	111
Tennessee.....	539	522	100.0	100.0	.71	.70	133	132
Virginia.....	-	1	-	100.0	-	.51	-	131
West Virginia.....	2,143	1,823	68.0	73.6	1.26	1.02	132	131
Wyoming.....	3,621	2,644	100.0	98.6	.29	.33	112	112
Arizona	12,053	11,270	85.6	89.3	.53	.55	145	146
Arizona.....	4,645	4,980	100.0	97.3	.51	.49	121	117
Colorado.....	-	102	-	-	-	.35	-	116
New Mexico.....	7,338	6,188	77.3	84.3	.56	.60	162	173
Wyoming.....	70	-	-	-	.43	-	106	-
Arkansas	8,911	11,325	92.3	96.5	.37	.38	166	148
Wyoming.....	8,911	11,325	92.3	96.5	.37	.38	166	148
Colorado	12,563	11,908	91.4	94.1	.38	.40	103	105
Colorado.....	8,060	7,527	90.9	93.8	.41	.42	110	113
Montana.....	-	3	-	-	-	.23	-	96
Wyoming.....	4,502	4,379	92.3	94.7	.33	.35	88	87
Connecticut	759	685	91.0	100.0	.42	.42	191	191
Kentucky.....	581	685	99.1	100.0	.40	.42	192	191
Virginia.....	4	-	100.0	-	.52	-	184	-
West Virginia.....	139	-	79.9	-	.48	-	190	-
Imported coal Venezuela.....	35	-	-	-	.48	-	170	-
Delaware	1,320	1,197	85.2	81.3	.74	.78	158	158
Maryland.....	100	204	100.0	87.7	1.10	1.03	148	151
Pennsylvania.....	369	295	74.6	45.8	1.02	1.09	142	145
Virginia.....	110	-	92.0	-	.66	-	157	-
West Virginia.....	741	697	87.5	94.5	.55	.58	169	166
Florida	20,605	19,851	63.2	64.9	1.32	1.22	174	175
Alabama.....	273	-	-	-	1.76	-	176	-
Colorado.....	14	139	-	100.0	.54	.37	183	191
Illinois.....	4,521	4,678	77.2	63.7	1.88	1.74	180	183
Indiana.....	5	-	-	-	.62	-	164	-
Kentucky.....	10,876	10,755	59.3	59.8	1.29	1.18	174	173
Virginia.....	694	641	92.1	100.0	.75	.57	206	214
West Virginia.....	1,928	1,323	48.9	59.3	1.13	1.25	170	164
Wyoming.....	788	407	-	-	.50	.25	141	143
Imported coal Colombia.....	997	1,100	100.0	100.0	.70	.55	150	153
Imported coal Indonesia.....	507	509	100.0	100.0	.37	.24	162	150
Imported coal Venezuela.....	-	298	-	100.0	-	.79	-	232
Georgia	21,099	22,634	54.4	40.4	.71	.71	158	157
Alabama.....	50	287	-	-	1.51	1.53	135	133
Illinois.....	660	929	92.9	-	.90	.98	147	147
Kentucky.....	11,215	10,741	64.5	61.6	.78	.80	154	152
Virginia.....	1,526	1,797	68.0	42.1	.73	.67	159	158
West Virginia.....	3,457	3,059	75.0	57.6	.58	.57	182	191
Wyoming.....	3,962	5,611	-	-	.45	.47	150	151
Imported coal Venezuela.....	229	210	-	-	1.14	.89	138	153
Illinois	30,804	27,239	84.4	85.3	1.20	1.18	158	164
Colorado.....	889	578	69.1	94.6	.46	.45	136	133
Illinois.....	10,840	9,934	82.5	88.2	2.47	2.38	124	128
Indiana.....	1,236	835	55.4	2.7	.91	1.11	142	138
Kentucky.....	167	294	21.6	91.5	.49	.46	169	172
Montana.....	1,126	1,581	100.0	100.0	.34	.38	261	260
Utah.....	1,163	1,376	67.9	27.6	.38	.38	174	137
West Virginia.....	47	-	-	-	.72	-	146	-
Wyoming.....	15,338	12,640	90.1	92.4	.37	.35	181	192
Indiana	39,203	39,607	60.8	70.6	1.54	1.54	117	120
Illinois.....	3,642	7,572	84.7	78.0	2.05	2.13	130	134
Indiana.....	18,656	13,832	40.6	48.0	2.11	2.19	107	109
Kentucky.....	683	607	79.3	86.3	1.30	1.39	125	132
Montana.....	957	708	100.0	100.0	.35	.37	255	250
Ohio.....	884	774	-	-	3.62	3.66	101	105
Pennsylvania.....	443	395	-	-	1.74	1.85	105	109
Virginia.....	773	718	96.0	100.0	.53	.53	158	155
West Virginia.....	843	839	44.0	52.8	.93	1.49	141	136
Wyoming.....	12,322	14,163	85.9	92.0	.34	.36	114	115

See footnotes at end of table.

Table 28. Destination of Coal Received at Electric Utility Plants by Origin, January-September 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
Iowa	12,385	14,165	81.6	82.2	0.51	0.51	95	95
Colorado.....	404	332	90.1	93.9	.46	.55	135	130
Illinois.....	206	122	54.5	51.8	2.14	1.65	124	116
Indiana.....	154	253	67.8	—	1.29	1.58	123	118
Kentucky.....	55	113	—	100.0	2.25	2.30	122	108
Montana.....	55	—	—	—	.34	—	148	—
Wyoming.....	11,511	13,346	82.8	83.6	.45	.45	91	93
Kansas	12,396	13,824	99.5	90.7	.55	.55	105	99
Colorado.....	1,174	1,054	100.0	100.0	.38	.42	131	122
Illinois.....	129	147	100.0	81.6	2.70	2.48	107	163
Kansas.....	157	71	100.0	100.0	3.38	1.90	109	131
Missouri.....	152	301	100.0	65.4	3.79	3.59	101	102
Montana.....	104	—	100.0	—	.41	—	95	—
Oklahoma.....	13	—	26.0	—	2.93	—	116	—
Wyoming.....	10,666	12,251	99.5	90.6	.43	.43	101	95
Kentucky	31,684	29,181	67.6	70.7	2.12	2.15	104	105
Colorado.....	2,244	1,550	95.6	89.5	.44	.40	126	127
Illinois.....	351	32	21.1	—	2.13	3.12	103	92
Indiana.....	1,865	2,013	99.2	100.0	2.86	2.85	92	89
Kentucky.....	20,240	20,636	64.9	70.2	2.48	2.45	101	104
Ohio.....	564	339	46.5	35.4	3.65	3.27	88	94
Pennsylvania.....	96	358	78.6	5.5	1.73	1.26	108	103
Utah.....	320	—	89.7	—	.48	—	128	—
West Virginia.....	5,038	4,144	64.5	63.2	1.37	1.11	112	114
Wyoming.....	966	109	36.1	—	.50	.79	103	92
Louisiana	10,035	9,616	100.0	100.0	.78	.70	148	152
Louisiana.....	2,785	2,471	100.0	100.0	1.55	1.40	135	140
Wyoming.....	7,250	7,145	100.0	100.0	.54	.50	151	155
Maryland	7,458	8,188	74.3	62.5	.87	.87	151	150
Kentucky.....	397	585	84.9	65.1	.61	.57	152	152
Maryland.....	576	677	87.0	72.5	1.10	1.08	174	167
Pennsylvania.....	1,273	1,161	43.1	53.1	1.12	1.10	153	155
West Virginia.....	5,213	5,765	79.8	63.0	.81	.82	148	147
Massachusetts	3,354	3,561	89.1	86.4	.57	.56	171	169
Kentucky.....	523	374	88.2	69.1	.54	.51	180	182
Pennsylvania.....	188	142	82.1	75.2	.99	.98	166	159
West Virginia.....	1,502	1,651	82.1	84.0	.56	.56	173	175
Imported coal Colombia.....	919	508	100.0	86.2	.52	.49	165	159
Imported coal Venezuela.....	222	886	100.0	100.0	.52	.53	164	161
Michigan	22,643	21,383	83.2	80.6	.64	.59	137	139
Colorado.....	405	404	97.5	100.0	.48	.46	135	132
Illinois.....	—	29	—	—	—	.78	—	147
Indiana.....	126	140	100.0	100.0	2.01	1.49	136	134
Kentucky.....	2,807	2,540	63.5	90.4	.72	.73	152	165
Montana.....	6,127	6,743	97.3	94.4	.41	.41	154	149
Ohio.....	61	25	98.0	100.0	2.57	2.16	156	154
Pennsylvania.....	1,946	1,473	84.9	77.0	1.15	1.22	122	119
Virginia.....	—	7	—	100.0	—	.72	—	220
West Virginia.....	4,022	3,580	69.4	75.4	.91	.84	153	153
Wyoming.....	7,148	6,443	85.0	64.7	.33	.28	106	107
Minnesota	13,078	12,577	97.3	93.2	.50	.50	112	108
Illinois.....	82	59	100.0	100.0	1.14	1.25	164	163
Montana.....	6,957	6,725	95.0	94.3	.65	.64	112	108
Pennsylvania.....	—	23	—	—	—	1.85	—	151
West Virginia.....	—	*	—	—	—	1.23	—	125
Wyoming.....	6,040	5,769	100.0	92.2	.31	.32	111	108
Mississippi	4,604	3,774	84.0	85.8	.66	.87	155	151
Alabama.....	98	—	—	—	.74	—	143	—
Colorado.....	36	508	—	100.0	.42	.40	155	159
Illinois.....	944	1,330	85.1	74.0	.99	1.40	138	130
Kentucky.....	941	725	70.7	89.2	.81	.79	192	199
Montana.....	2,398	1,210	100.0	90.9	.42	.43	145	140
Wyoming.....	187	—	—	—	.52	—	135	—
Missouri	25,116	25,394	82.1	87.7	.52	.63	94	95
Illinois.....	1,949	2,986	81.7	93.6	2.13	2.33	128	134
Kansas.....	51	50	92.7	100.0	2.87	2.50	130	134
Kentucky.....	50	42	100.0	100.0	1.19	.67	189	209
Missouri.....	73	117	94.6	98.6	2.52	2.77	122	123
Oklahoma.....	4	—	100.0	—	3.08	—	132	—

See footnotes at end of table.

Table 28. Destination of Coal Received at Electric Utility Plants by Origin, January-September 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
Missouri								
Utah	11	-	100.0	-	0.47	-	145	-
Wyoming	22,978	22,198	82.1	86.8	.33	0.31	89	88
Montana	6,482	5,061	100.0	100.0	.86	.80	68	72
Montana	6,122	4,816	100.0	100.0	.90	.83	69	73
Wyoming	360	245	100.0	100.0	.27	.31	55	56
Nebraska	8,169	7,683	76.9	74.2	.36	.40	59	73
Montana	-	2	-	-	-	.43	-	104
Wyoming	8,169	7,681	76.9	74.2	.36	.40	59	73
Nevada	4,959	5,078	93.1	99.1	.44	.44	142	143
Arizona	3,207	3,235	100.0	100.0	.45	.46	133	134
Colorado	48	201	100.0	100.0	.49	.43	201	131
Utah	1,688	1,462	80.7	96.9	.42	.38	157	159
Wyoming	17	180	-	100.0	.48	.52	95	190
New Hampshire	1,202	946	60.6	77.0	1.11	1.26	162	158
Pennsylvania	637	575	78.2	87.7	1.08	1.17	166	162
Virginia	10	10	-	100.0	1.06	.50	212	201
West Virginia	326	301	70.6	71.2	1.53	1.59	153	148
Imported coal Colombia	-	32	-	-	-	.54	-	162
Imported coal Venezuela	229	27	-	-	.55	.48	161	160
New Jersey	1,511	1,623	90.8	95.4	.95	1.06	176	176
Kentucky	106	91	100.0	91.3	.50	.51	174	182
Virginia	596	430	93.2	96.0	.58	.54	178	182
West Virginia	808	1,102	87.9	95.5	1.30	1.32	175	173
New Mexico	11,966	10,604	100.0	100.0	.90	.86	136	146
New Mexico	11,966	10,604	100.0	100.0	.90	.86	136	146
New York	5,850	5,723	87.5	90.0	1.33	1.35	142	143
Kentucky	550	848	66.3	88.9	.45	.50	187	193
Pennsylvania	1,983	2,379	89.2	84.8	1.33	1.38	135	132
West Virginia	2,991	2,496	90.6	95.4	1.57	1.61	136	137
Imported coal Venezuela	326	-	85.3	-	.50	-	174	-
North Carolina	19,766	17,906	75.3	73.7	.73	.71	144	149
Kentucky	11,689	10,399	70.5	69.9	.79	.75	141	145
Virginia	431	1,095	-	66.6	.88	.85	128	128
West Virginia	7,606	6,412	87.4	81.1	.62	.63	148	158
Wyoming	40	-	-	-	.56	-	179	-
North Dakota	16,888	17,326	98.8	100.0	1.16	1.08	77	74
North Dakota	16,781	17,326	99.4	100.0	1.16	1.08	77	74
Wyoming	107	-	-	-	.52	-	65	-
Ohio	39,197	39,005	68.5	70.8	1.69	1.73	131	134
Indiana	2	-	-	-	2.36	-	104	-
Kentucky	6,355	6,213	63.5	71.7	.78	.77	131	137
Montana	42	25	-	-	.31	.30	149	150
Ohio	16,057	15,558	75.1	76.1	2.91	2.97	132	134
Pennsylvania	2,691	2,569	40.5	64.9	1.38	1.25	116	120
Virginia	296	-	96.6	-	.58	-	123	-
West Virginia	12,803	14,503	70.4	66.4	.83	.95	134	135
Wyoming	952	137	36.4	-	.27	.74	125	161
Oklahoma	14,103	14,983	99.9	98.5	.35	.39	92	98
Oklahoma	63	104	100.0	100.0	2.55	2.38	103	109
Wyoming	14,040	14,879	99.9	98.5	.33	.37	92	98
Oregon	462	269	-	-	.37	.32	114	102
Wyoming	462	269	-	-	.37	.32	114	102
Pennsylvania	32,812	30,335	73.9	70.7	1.72	1.70	136	139
Maryland	10	-	-	-	.87	-	133	-
Ohio	310	632	100.0	87.8	3.03	2.96	169	168
Pennsylvania	25,797	23,273	68.7	63.7	1.55	1.49	131	135
West Virginia	6,695	6,430	92.8	94.6	2.33	2.32	152	152
South Carolina	8,745	7,623	72.5	70.5	.93	.95	145	147
Kentucky	7,501	6,724	70.3	67.7	.90	.91	144	146
Tennessee	296	83	90.2	21.8	1.19	1.20	151	147
Virginia	838	815	95.4	98.8	1.09	1.23	152	155
West Virginia	111	-	-	-	1.21	-	149	-
South Dakota	1,398	1,094	100.0	100.0	.72	.56	93	92
Montana	1,398	1,094	100.0	100.0	.72	.56	93	92
Tennessee	17,730	18,296	75.8	70.7	1.58	1.53	113	115
Colorado	827	877	100.0	-	.44	.44	113	107
Illinois	1,181	3,031	56.5	46.2	1.91	1.61	108	114
Indiana	-	122	-	-	-	1.10	-	117

See footnotes at end of table.

Table 28. Destination of Coal Received at Electric Utility Plants by Origin, January-September 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
Tennessee								
Kentucky.....	10,829	10,002	70.4	78.7	1.89	1.86	112	113
Pennsylvania.....	541	248	100.0	100.0	1.89	1.54	109	110
Tennessee.....	1,318	1,598	94.2	97.2	.92	1.02	118	119
Utah.....	919	1,385	97.5	67.9	.45	.40	121	122
Virginia.....	1,257	927	93.2	100.0	1.34	1.34	126	124
West Virginia.....	-	11	-	-	-	3.26	-	101
Wyoming.....	858	94	54.4	-	.41	.60	86	114
Texas	69,211	71,294	92.9	93.6	.99	.95	125	128
Colorado.....	1,120	1,362	-	-	.37	.37	134	135
Texas.....	37,698	38,754	100.0	99.9	1.62	1.56	95	97
Wyoming.....	30,393	31,177	87.5	89.9	.42	.42	152	157
Utah	11,145	9,904	93.4	95.3	.42	.41	114	108
Colorado.....	1,545	922	88.0	100.0	.38	.38	177	176
Utah.....	9,578	8,982	94.5	94.8	.42	.41	105	101
Wyoming.....	22	-	-	-	.27	-	128	-
Virginia	8,813	8,013	73.8	76.2	.81	.77	139	143
Kentucky.....	2,100	2,122	50.6	63.6	.92	.86	144	147
Maryland.....	30	-	-	-	1.35	-	152	-
Virginia.....	4,552	4,384	79.7	80.6	.79	.76	135	139
West Virginia.....	2,131	1,508	85.2	81.0	.72	.70	144	148
Washington	3,401	3,432	96.0	99.5	.78	.90	170	154
Montana.....	249	4	49.4	-	.40	.53	128	176
Washington.....	3,142	3,416	100.0	100.0	.82	.90	174	154
Wyoming.....	-	*	-	-	-	.30	-	109
Imported coal Canada.....	10	12	-	-	.42	.44	173	174
West Virginia	23,610	23,596	93.6	77.8	1.61	1.55	124	125
Kentucky.....	-	161	-	78.1	-	.76	-	181
Maryland.....	1,987	1,375	96.9	75.4	1.40	1.32	107	122
Ohio.....	1,228	1,099	100.0	88.1	3.10	3.30	87	77
Pennsylvania.....	1,689	845	87.6	61.9	1.20	1.32	125	129
West Virginia.....	18,706	20,116	93.4	78.1	1.57	1.49	128	128
Wisconsin	17,935	16,738	81.3	76.3	.52	.49	109	107
Colorado.....	338	232	-	12.5	.46	.43	135	131
Illinois.....	674	562	-	-	.86	.83	133	129
Indiana.....	130	106	-	-	1.17	1.25	137	135
Kentucky.....	68	22	-	-	.70	.57	170	173
Montana.....	1,622	1,726	99.4	95.3	.62	.61	110	106
New Mexico.....	380	577	100.0	100.0	.45	.45	157	151
Pennsylvania.....	1,416	891	53.0	45.5	1.16	1.24	146	142
Utah.....	72	124	-	-	.44	.41	164	159
West Virginia.....	24	-	-	-	.53	-	147	-
Wyoming.....	13,210	12,500	89.5	80.9	.37	.37	97	97
Wyoming	16,992	17,203	96.8	98.3	.61	.60	82	82
Wyoming.....	16,992	17,203	96.8	98.3	.61	.60	82	82
U.S. Total	654,354	643,045	81.8	81.5	1.08	1.07	128	129

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

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

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

Table 29. Origin of Coal Received at Electric Utility Plants by Destination, January-September 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
Alabama	12,530	12,641	90.1	93.3	0.92	0.91	179	177
Alabama.....	12,109	12,354	93.2	95.4	.90	.89	179	178
Florida.....	273	-	-	-	1.76	-	176	-
Georgia.....	50	287	-	-	1.51	1.53	135	133
Mississippi.....	98	-	-	-	.74	-	143	-
Arizona	7,852	8,215	100.0	98.4	.48	.48	126	124
Arizona.....	4,645	4,980	100.0	97.3	.51	.49	121	117
Nevada.....	3,207	3,235	100.0	100.0	.45	.46	133	134
Colorado	17,104	15,787	83.3	79.6	.41	.42	125	125
Arizona.....	-	102	-	-	-	.35	-	116
Colorado.....	8,060	7,527	90.9	93.8	.41	.42	110	113
Florida.....	14	139	-	100.0	.54	.37	183	191
Illinois.....	889	578	69.1	94.6	.46	.45	136	133
Iowa.....	404	332	90.1	93.9	.46	.55	135	130
Kansas.....	1,174	1,054	100.0	100.0	.38	.42	131	122
Kentucky.....	2,244	1,550	95.6	89.5	.44	.40	126	127
Michigan.....	405	404	97.5	100.0	.48	.46	135	132
Mississippi.....	36	508	-	100.0	.42	.40	155	159
Nevada.....	48	201	100.0	100.0	.49	.43	201	131
Tennessee.....	827	877	100.0	-	.44	.44	113	107
Texas.....	1,120	1,362	-	-	.37	.37	134	135
Utah.....	1,545	922	88.0	100.0	.38	.38	177	176
Wisconsin.....	338	232	-	12.5	.46	.43	135	131
Illinois	26,344	32,624	75.0	70.7	2.04	2.00	136	138
Alabama.....	1,165	1,213	14.6	-	1.13	1.57	133	126
Florida.....	4,521	4,678	77.2	63.7	1.88	1.74	180	183
Georgia.....	660	929	92.9	-	.90	.98	147	147
Illinois.....	10,840	9,934	82.5	88.2	2.47	2.38	124	128
Indiana.....	3,642	7,572	84.7	78.0	2.05	2.13	130	134
Iowa.....	206	122	54.5	51.8	2.14	1.65	124	116
Kansas.....	129	147	100.0	81.6	2.70	2.48	107	163
Kentucky.....	351	32	21.1	-	2.13	3.12	103	92
Michigan.....	-	29	-	-	-	.78	-	147
Minnesota.....	82	59	100.0	100.0	1.14	1.25	164	163
Mississippi.....	944	1,330	85.1	74.0	.99	1.40	138	130
Missouri.....	1,949	2,986	81.7	93.6	2.13	2.33	128	134
Tennessee.....	1,181	3,031	56.5	46.2	1.91	1.61	108	114
Wisconsin.....	674	562	-	-	.86	.83	133	129
Indiana	22,172	17,300	46.6	51.0	2.10	2.18	108	108
Florida.....	5	-	-	-	.62	-	164	-
Illinois.....	1,236	835	55.4	2.7	.91	1.11	142	138
Indiana.....	18,656	13,832	40.6	48.0	2.11	2.19	107	109
Iowa.....	154	253	67.8	-	1.29	1.58	123	118
Kentucky.....	1,865	2,013	99.2	100.0	2.86	2.85	92	89
Michigan.....	126	140	100.0	100.0	2.01	1.49	136	134
Ohio.....	2	-	-	-	2.36	-	104	-
Tennessee.....	-	122	-	-	-	1.10	-	117
Wisconsin.....	130	106	-	-	1.17	1.25	137	135
Kansas	208	122	98.2	100.0	3.25	2.14	114	133
Kansas.....	157	71	100.0	100.0	3.38	1.90	109	131
Missouri.....	51	50	92.7	100.0	2.87	2.50	130	134
Kentucky	90,020	87,772	66.1	69.6	1.37	1.36	136	138
Alabama.....	2,286	3,092	67.8	61.1	1.97	1.69	113	116
Connecticut.....	581	685	99.1	100.0	.40	.42	192	191
Florida.....	10,876	10,755	59.3	59.8	1.29	1.18	174	173
Georgia.....	11,215	10,741	64.5	61.6	.78	.80	154	152
Illinois.....	167	294	21.6	91.5	.49	.46	169	172
Indiana.....	683	607	79.3	86.3	1.30	1.39	125	132
Iowa.....	55	113	-	100.0	2.25	2.30	122	108
Kentucky.....	20,240	20,636	64.9	70.2	2.48	2.45	101	104
Maryland.....	397	585	84.9	65.1	.61	.57	152	152
Massachusetts.....	523	374	88.2	69.1	.54	.51	180	182
Michigan.....	2,807	2,540	63.5	90.4	.72	.73	152	165
Mississippi.....	941	725	70.7	89.2	.81	.79	192	199
Missouri.....	50	42	100.0	100.0	1.19	.67	189	209
New Jersey.....	106	91	100.0	91.3	.50	.51	174	182
New York.....	550	848	66.3	88.9	.45	.50	187	193
North Carolina.....	11,689	10,399	70.5	69.9	.79	.75	141	145
Ohio.....	6,355	6,213	63.5	71.7	.78	.77	131	137

See footnotes at end of table.

Table 29. Origin of Coal Received at Electric Utility Plants by Destination, January-September 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
Kentucky								
South Carolina.....	7,501	6,724	70.3	67.7	0.90	0.91	144	146
Tennessee.....	10,829	10,002	70.4	78.7	1.89	1.86	112	113
Virginia.....	2,100	2,122	50.6	63.6	.92	.86	144	147
West Virginia.....	—	161	—	78.1	—	.76	—	181
Wisconsin.....	68	22	—	—	.70	.57	170	173
Louisiana	2,785	2,471	100.0	100.0	1.55	1.40	135	140
Louisiana.....	2,785	2,471	100.0	100.0	1.55	1.40	135	140
Maryland	2,702	2,256	93.5	75.6	1.32	1.22	124	139
Delaware.....	100	204	100.0	87.7	1.10	1.03	148	151
Maryland.....	576	677	87.0	72.5	1.10	1.08	174	167
Pennsylvania.....	10	—	—	—	.87	—	133	—
Virginia.....	30	—	—	—	1.35	—	152	—
West Virginia.....	1,987	1,375	96.9	75.4	1.40	1.32	107	122
Missouri	225	418	98.2	74.7	3.38	3.36	108	108
Kansas.....	152	301	100.0	65.4	3.79	3.59	101	102
Missouri.....	73	117	94.6	98.6	2.52	2.77	122	123
Montana	27,156	24,637	97.3	96.0	.60	.57	127	129
Colorado.....	—	3	—	—	—	.23	—	96
Illinois.....	1,126	1,581	100.0	100.0	.34	.38	261	260
Indiana.....	957	708	100.0	100.0	.35	.37	255	250
Iowa.....	55	—	—	—	.34	—	148	—
Kansas.....	104	—	100.0	—	.41	—	95	—
Michigan.....	6,127	6,743	97.3	94.4	.41	.41	154	149
Minnesota.....	6,957	6,725	95.0	94.3	.65	.64	112	108
Mississippi.....	2,398	1,210	100.0	90.9	.42	.43	145	140
Montana.....	6,122	4,816	100.0	100.0	.90	.83	69	73
Nebraska.....	—	2	—	—	—	.43	—	104
Ohio.....	42	25	—	—	.31	.30	149	150
South Dakota.....	1,398	1,094	100.0	100.0	.72	.56	93	92
Washington.....	249	4	49.4	—	.40	.53	128	176
Wisconsin.....	1,622	1,726	99.4	95.3	.62	.61	110	106
New Mexico	19,684	17,370	91.5	94.4	.76	.75	146	156
Arizona.....	7,338	6,188	77.3	84.3	.56	.60	162	173
New Mexico.....	11,966	10,604	100.0	100.0	.90	.86	136	146
Wisconsin.....	380	577	100.0	100.0	.45	.45	157	151
North Dakota	16,781	17,326	99.4	100.0	1.16	1.08	77	74
North Dakota.....	16,781	17,326	99.4	100.0	1.16	1.08	77	74
Ohio	19,104	18,493	72.8	73.1	2.98	3.02	127	130
Alabama.....	—	66	—	—	—	3.43	—	118
Indiana.....	884	774	—	—	3.62	3.66	101	105
Kentucky.....	564	339	46.5	35.4	3.65	3.27	88	94
Michigan.....	61	25	98.0	100.0	2.57	2.16	156	154
Ohio.....	16,057	15,558	75.1	76.1	2.91	2.97	132	134
Pennsylvania.....	310	632	100.0	87.8	3.03	2.96	169	168
West Virginia.....	1,228	1,099	100.0	88.1	3.10	3.30	87	77
Oklahoma	80	104	88.0	100.0	2.64	2.38	107	109
Kansas.....	13	—	26.0	—	2.93	—	116	—
Missouri.....	4	—	100.0	—	3.08	—	132	—
Oklahoma.....	63	104	100.0	100.0	2.55	2.38	103	109
Pennsylvania	39,143	34,841	68.1	64.3	1.45	1.42	131	133
Alabama.....	74	212	100.0	100.0	1.83	1.74	113	111
Delaware.....	369	295	74.6	45.8	1.02	1.09	142	145
Indiana.....	443	395	—	—	1.74	1.85	105	109
Kentucky.....	96	358	78.6	5.5	1.73	1.26	108	103
Maryland.....	1,273	1,161	43.1	53.1	1.12	1.10	153	155
Massachusetts.....	188	142	82.1	75.2	.99	.98	166	159
Michigan.....	1,946	1,473	84.9	77.0	1.15	1.22	122	119
Minnesota.....	—	23	—	—	—	1.85	—	151
New Hampshire.....	637	575	78.2	87.7	1.08	1.17	166	162
New York.....	1,983	2,379	89.2	84.8	1.33	1.38	135	132
Ohio.....	2,691	2,569	40.5	64.9	1.38	1.25	116	120
Pennsylvania.....	25,797	23,273	68.7	63.7	1.55	1.49	131	135
Tennessee.....	541	248	100.0	100.0	1.89	1.54	109	110
West Virginia.....	1,689	845	87.6	61.9	1.20	1.32	125	129
Wisconsin.....	1,416	891	53.0	45.5	1.16	1.24	146	142
Tennessee	2,153	2,203	95.1	95.0	.90	.95	126	123
Alabama.....	539	522	100.0	100.0	.71	.70	133	132
South Carolina.....	296	83	90.2	21.8	1.19	1.20	151	147
Tennessee.....	1,318	1,598	94.2	97.2	.92	1.02	118	119

See footnotes at end of table.

Table 29. Origin of Coal Received at Electric Utility Plants by Destination, January-September 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
Texas	37,698	38,754	100.0	99.9	1.62	1.56	95	97
Texas.....	37,698	38,754	100.0	99.9	1.62	1.56	95	97
Utah	13,750	13,329	90.1	84.4	.42	.40	119	114
Illinois.....	1,163	1,376	67.9	27.6	.38	.38	174	137
Kentucky.....	320	-	89.7	-	.48	-	128	-
Missouri.....	11	-	100.0	-	.47	-	145	-
Nevada.....	1,688	1,462	80.7	96.9	.42	.38	157	159
Tennessee.....	919	1,385	97.5	67.9	.45	.40	121	122
Utah.....	9,578	8,982	94.5	94.8	.42	.41	105	101
Wisconsin.....	72	124	-	-	.44	.41	164	159
Virginia	11,088	10,825	80.8	78.9	.83	.80	147	148
Alabama.....	-	1	-	100.0	-	.51	-	131
Connecticut.....	4	-	100.0	-	.52	-	184	-
Delaware.....	110	-	92.0	-	.66	-	157	-
Florida.....	694	641	92.1	100.0	.75	.57	206	214
Georgia.....	1,526	1,797	68.0	42.1	.73	.67	159	158
Indiana.....	773	718	96.0	100.0	.53	.53	158	155
Michigan.....	-	7	-	100.0	-	.72	-	220
New Hampshire.....	10	10	-	100.0	1.06	.50	212	201
New Jersey.....	596	430	93.2	96.0	.58	.54	178	182
North Carolina.....	431	1,095	-	66.6	.88	.85	128	128
Ohio.....	296	-	96.6	-	.58	-	123	-
South Carolina.....	838	815	95.4	98.8	1.09	1.23	152	155
Tennessee.....	1,257	927	93.2	100.0	1.34	1.34	126	124
Virginia.....	4,552	4,384	79.7	80.6	.79	.76	135	139
Washington	3,142	3,416	100.0	100.0	.82	.90	174	154
Washington.....	3,142	3,416	100.0	100.0	.82	.90	174	154
West Virginia	77,274	75,763	80.7	75.0	1.19	1.19	141	142
Alabama.....	2,143	1,823	68.0	73.6	1.26	1.02	132	131
Connecticut.....	139	-	79.9	-	.48	-	190	-
Delaware.....	741	697	87.5	94.5	.55	.58	169	166
Florida.....	1,928	1,323	48.9	59.3	1.13	1.25	170	164
Georgia.....	3,457	3,059	75.0	57.6	.58	.57	182	191
Illinois.....	47	-	-	-	.72	-	146	-
Indiana.....	843	839	44.0	52.8	.93	1.49	141	136
Kentucky.....	5,038	4,144	64.5	63.2	1.37	1.11	112	114
Maryland.....	5,213	5,765	79.8	63.0	.81	.82	148	147
Massachusetts.....	1,502	1,651	82.1	84.0	.56	.56	173	175
Michigan.....	4,022	3,580	69.4	75.4	.91	.84	153	153
Minnesota.....	-	*	-	-	-	1.23	-	125
New Hampshire.....	326	301	70.6	71.2	1.53	1.59	153	148
New Jersey.....	808	1,102	87.9	95.5	1.30	1.32	175	173
New York.....	2,991	2,496	90.6	95.4	1.57	1.61	136	137
North Carolina.....	7,606	6,412	87.4	81.1	.62	.63	148	158
Ohio.....	12,803	14,503	70.4	66.4	.83	.95	134	135
Pennsylvania.....	6,695	6,430	92.8	94.6	2.33	2.32	152	152
South Carolina.....	111	-	-	-	1.21	-	149	-
Tennessee.....	-	11	-	-	-	3.26	-	101
Virginia.....	2,131	1,508	85.2	81.0	.72	.70	144	148
West Virginia.....	18,706	20,116	93.4	78.1	1.57	1.49	128	128
Wisconsin.....	24	-	-	-	.53	-	147	-
Wyoming	201,883	202,794	86.9	87.0	.40	.40	116	117
Alabama.....	3,621	2,644	100.0	98.6	.29	.33	112	112
Arizona.....	70	-	-	-	.43	-	106	-
Arkansas.....	8,911	11,325	92.3	96.5	.37	.38	166	148
Colorado.....	4,502	4,379	92.3	94.7	.33	.35	88	87
Florida.....	788	407	-	-	.50	.25	141	143
Georgia.....	3,962	5,611	-	-	.45	.47	150	151
Illinois.....	15,338	12,640	90.1	92.4	.37	.35	181	192
Indiana.....	12,322	14,163	85.9	92.0	.34	.36	114	115
Iowa.....	11,511	13,346	82.8	83.6	.45	.45	91	93
Kansas.....	10,666	12,251	99.5	90.6	.43	.43	101	95
Kentucky.....	966	109	36.1	-	.50	.79	103	92
Louisiana.....	7,250	7,145	100.0	100.0	.54	.50	151	155
Michigan.....	7,148	6,443	85.0	64.7	.33	.28	106	107
Minnesota.....	6,040	5,769	100.0	92.2	.31	.32	111	108
Mississippi.....	187	-	-	-	.52	-	135	-
Missouri.....	22,978	22,198	82.1	86.8	.33	.31	89	88
Montana.....	360	245	100.0	100.0	.27	.31	55	56

See footnotes at end of table.

Table 29. Origin of Coal Received at Electric Utility Plants by Destination, January-September 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
Wyoming								
Nebraska	8,169	7,681	76.9	74.2	0.36	0.40	59	73
Nevada	17	180	—	100.0	.48	.52	95	190
North Carolina	40	—	—	—	.56	—	179	—
North Dakota	107	—	—	—	.52	—	65	—
Ohio	952	137	36.4	—	.27	.74	125	161
Oklahoma	14,040	14,879	99.9	98.5	.33	.37	92	98
Oregon	462	269	—	—	.37	.32	114	102
Tennessee	858	94	54.4	—	.41	.60	86	114
Texas	30,393	31,177	87.5	89.9	.42	.42	152	157
Utah	22	—	—	—	.27	—	128	—
Washington	—	*	—	—	—	.30	—	109
Wisconsin	13,210	12,500	89.5	80.9	.37	.37	97	97
Wyoming	16,992	17,203	96.8	98.3	.61	.60	82	82
Imported Coal	3,474	3,583	84.2	90.2	.59	.54	159	163
Canada	10	12	—	—	.42	.44	173	174
Washington	10	12	—	—	.42	.44	173	174
Colombia	1,916	1,641	100.0	93.7	.61	.53	157	155
Florida	997	1,100	100.0	100.0	.70	.55	150	153
Massachusetts	919	508	100.0	86.2	.52	.49	165	159
New Hampshire	—	32	—	—	—	.54	—	162
Venezuela	1,042	1,421	48.1	83.3	.65	.63	161	174
Connecticut	35	—	—	—	.48	—	170	—
Florida	—	298	—	100.0	—	.79	—	232
Georgia	229	210	—	—	1.14	.89	138	153
Massachusetts	222	886	100.0	100.0	.52	.53	164	161
New Hampshire	229	27	—	—	.55	.48	161	160
New York	326	—	85.3	—	.50	—	174	—
Indonesia	507	509	100.0	100.0	.37	.24	162	150
Florida	507	509	100.0	100.0	.37	.24	162	150
U.S. Total	654,354	643,045	81.8	81.5	1.08	1.07	128	129

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

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

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

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

Coal Receipts	July - September 1997	April - June 1997	July - September 1996	Year to Date		
				1997	1996	Percent Change
By State						
Alabama.....	783	764	795	2,346	2,453	-4.4
Illinois.....	w	w	w	w	w	w
Indiana.....	1,498	1,423	1,301	4,356	4,434	-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.....	457	436	441	1,343	1,305	3.0
Pennsylvania.....	2,675	2,349	2,850	7,680	8,010	-4.1
Utah.....	w	w	w	w	w	w
Virginia.....	w	w	w	w	w	w
West Virginia.....	w	w	w	w	w	w
By Plant Type						
Merchant Coke Plants.....	954	988	1,010	2,942	3,087	-4.7
Furnace Coke Plants.....	7,056	6,244	7,177	19,630	20,969	-6.4
U.S. Total.....	8,010	7,232	8,187	22,571	24,056	-6.2

^w Withheld to avoid disclosure of individual company data.

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

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

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

Average Price ¹	July - September 1997	April - June 1997	July - September 1996	Year to Date		
				1997	1996	Percent Change
By State						
Alabama.....	\$50.16	\$49.90	\$49.35	\$50.02	\$49.37	1.3
Illinois.....	w	w	w	w	w	w
Indiana.....	\$48.96	\$51.40	\$52.03	\$50.63	\$52.33	-3.3
Kentucky.....	w	w	w	w	w	w
Michigan.....	w	w	w	w	w	w
New York.....	w	w	w	w	w	w
Ohio.....	\$45.82	\$46.57	\$45.78	\$46.36	\$44.92	3.2
Pennsylvania.....	46.03	46.49	43.06	46.53	44.97	3.5
Utah.....	w	w	w	w	w	w
Virginia.....	w	w	w	w	w	w
West Virginia.....	w	w	w	w	w	w
By Plant Type						
Merchant Coke Plants.....	\$48.23	\$48.99	\$48.62	\$48.73	\$48.95	-5
Furnace Coke Plants.....	45.64	48.06	45.65	47.16	47.03	.3
U.S. Total.....	45.95	48.18	46.02	47.36	47.27	.2

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

^w Withheld to avoid disclosure of individual company data.

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

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

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

Census Division and State	July - September 1997	April - June 1997	July - September 1996	Year to Date		
				1997	1996	Percent Change
New England Total	62	64	63	176	225	-22.0
Connecticut.....	-	-	-	-	-	-
Maine.....	w	w	w	w	w	w
Massachusetts.....	w	w	w	w	w	w
New Hampshire.....	-	-	-	-	-	-
Rhode Island.....	-	-	-	-	-	-
Vermont.....	-	-	-	-	-	-
Middle Atlantic Total	w	w	w	w	w	w
New Jersey.....	w	w	w	w	w	w
New York.....	426	369	443	1,069	1,077	-7
Pennsylvania.....	1,074	1,113	1,141	3,224	3,347	-3.7
East North Central Total	4,334	4,217	4,237	12,587	12,315	2.2
Illinois.....	898	944	896	2,839	2,725	4.2
Indiana.....	1,264	1,278	1,247	3,733	3,587	4.1
Michigan.....	786	605	782	1,762	1,957	-10.0
Ohio.....	901	942	870	2,956	2,812	5.1
Wisconsin.....	485	448	443	1,297	1,233	5.2
West North Central Total	3,225	3,128	3,416	9,465	9,976	-5.1
Iowa.....	930	756	944	2,298	2,437	-5.7
Kansas.....	37	33	44	107	129	-17.1
Minnesota.....	285	323	351	970	1,218	-20.4
Missouri.....	292	296	286	920	840	9.5
Nebraska.....	w	w	w	w	w	w
North Dakota.....	w	w	w	w	w	w
South Dakota.....	109	103	98	315	267	18.1
South Atlantic Total	w	w	w	w	w	w
Delaware.....	w	w	w	w	w	w
District of Columbia.....	-	-	-	-	-	-
Florida.....	329	342	350	1,007	963	4.5
Georgia.....	502	474	451	1,515	1,464	3.5
Maryland.....	196	197	192	587	595	-1.3
North Carolina.....	514	520	524	1,682	1,748	-3.8
South Carolina.....	474	481	490	1,492	1,494	-.1
Virginia.....	572	645	602	1,908	1,904	.2
West Virginia.....	402	396	435	1,222	1,277	-4.3
East South Central Total	w	w	w	w	w	w
Alabama.....	611	659	632	1,916	1,935	-1.0
Kentucky.....	529	587	545	1,690	1,727	-2.1
Mississippi.....	w	w	w	w	w	w
Tennessee.....	926	900	883	2,772	2,755	.6
West South Central Total	1,441	1,361	1,485	4,250	4,510	-5.8
Arkansas.....	69	75	87	236	263	-10.1
Louisiana.....	w	w	w	w	w	w
Oklahoma.....	w	w	w	w	w	w
Texas.....	1,233	1,109	1,201	3,492	3,611	-3.3
Mountain Total	1,105	1,060	1,118	3,232	3,027	6.8
Arizona.....	181	151	192	520	515	1.1
Colorado.....	97	90	101	277	263	5.1
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.....	164	198	163	426	388	9.8
Wyoming.....	460	478	457	1,427	1,355	5.3
Pacific Total	533	599	645	1,722	1,868	-7.8
Alaska.....	w	w	w	w	w	w
California.....	481	522	550	1,477	1,578	-6.4
Hawaii.....	w	w	w	w	w	w
Oregon.....	w	w	w	w	w	w
Washington.....	26	44	40	117	125	-6.8
U.S. Total	17,351	17,207	17,762	51,804	52,529	-1.4

^w Withheld to avoid disclosure of individual company data.

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

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

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

Census Division and State	July - September 1997	April - June 1997	July - September 1996	Year to Date		
				1997	1996	Percent Change
New England Total	\$65.31	\$59.29	\$59.34	\$63.20	\$57.74	9.4
Connecticut.....	-	-	-	-	-	-
Maine.....	w	w	w	w	w	w
Massachusetts.....	w	w	w	w	w	w
New Hampshire.....	-	-	-	-	-	-
Rhode Island.....	-	-	-	-	-	-
Vermont.....	-	-	-	-	-	-
Middle Atlantic Total	w	w	w	w	w	w
New Jersey.....	w	w	w	w	w	w
New York.....	\$42.39	\$41.24	\$40.25	\$41.59	\$40.19	3.5
Pennsylvania.....	33.55	33.69	33.20	34.17	33.71	1.4
East North Central Total	33.92	33.04	33.99	33.34	34.47	-3.3
Illinois.....	30.25	29.52	29.75	29.74	29.65	.3
Indiana.....	30.13	28.85	31.29	29.39	31.91	-7.9
Michigan.....	41.38	40.73	39.98	41.47	41.28	.5
Ohio.....	33.25	34.52	34.43	34.15	35.32	-3.3
Wisconsin.....	39.98	39.43	39.22	40.19	40.44	-6
West North Central Total	19.16	19.04	19.59	19.01	19.23	-1.1
Iowa.....	30.45	30.18	30.37	29.03	29.40	-1.2
Kansas.....	29.94	32.23	32.21	31.93	32.51	-1.8
Minnesota.....	29.97	31.40	28.96	32.03	29.52	8.5
Missouri.....	29.03	30.10	30.83	30.00	31.76	-5.5
Nebraska.....	w	w	w	w	w	w
North Dakota.....	w	w	w	w	w	w
South Dakota.....	\$23.58	\$23.45	\$22.92	\$23.81	\$25.17	-5.4
South Atlantic Total	w	w	w	w	w	w
Delaware.....	w	w	w	w	w	w
District of Columbia.....	-	-	-	-	-	-
Florida.....	\$45.14	\$45.61	\$45.91	\$45.28	\$45.77	-1.1
Georgia.....	44.39	44.99	44.40	44.80	44.21	1.3
Maryland.....	32.79	32.15	32.61	32.65	32.33	1.0
North Carolina.....	43.12	42.84	42.92	43.16	43.27	-2
South Carolina.....	44.37	44.30	44.59	44.28	43.94	.8
Virginia.....	43.41	43.62	43.39	43.84	43.41	1.0
West Virginia.....	36.81	34.17	32.84	34.90	33.10	5.5
East South Central Total	w	w	w	w	w	w
Alabama.....	\$40.40	\$39.91	\$40.09	\$40.23	\$40.11	.3
Kentucky.....	43.94	44.67	43.22	44.53	43.74	1.8
Mississippi.....	w	w	w	w	w	w
Tennessee.....	\$36.10	\$36.15	\$35.00	\$36.15	\$35.27	2.5
West South Central Total	21.45	22.62	21.85	22.41	21.79	2.9
Arkansas.....	42.03	43.49	42.48	43.06	43.39	-8
Louisiana.....	w	w	w	w	w	w
Oklahoma.....	w	w	w	w	w	w
Texas.....	\$19.50	\$20.15	\$18.80	\$19.86	\$18.97	4.7
Mountain Total	27.60	26.60	27.14	27.30	26.93	1.4
Arizona.....	38.83	40.16	39.71	39.23	39.60	-9
Colorado.....	24.72	23.73	23.26	24.00	23.37	2.7
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.....	\$18.02	\$18.34	\$17.79	\$19.04	\$19.12	-5
Wyoming.....	24.08	23.93	22.40	23.52	22.52	4.4
Pacific Total	43.33	43.26	41.80	43.30	42.20	2.6
Alaska.....	w	w	w	w	w	w
California.....	\$40.83	\$40.61	\$39.61	\$40.31	\$39.46	2.1
Hawaii.....	w	w	w	w	w	w
Oregon.....	w	w	w	w	w	w
Washington.....	\$72.35	\$55.87	\$58.80	\$58.41	\$59.39	-1.6
U.S. Total	32.37	32.34	32.12	32.45	32.34	.4

w Withheld to avoid disclosure of individual company data.

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

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

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

SIC Code	July - September 1997	April - June 1997	July - September 1996	Year to Date		
				1997	1996	Percent Change
20 Food and kindred products	1,777	1,668	1,810	5,408	5,257	2.9
21 Tobacco products	134	127	143	426	434	-2.1
22 Textile mill products	228	240	185	734	733	.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	23	20	25	58	59	-1.6
26 Paper and allied products	3,278	3,093	3,282	9,757	9,751	.1
27 Printing and publishing	w	w	w	w	w	w
28 Chemicals, allied products	2,942	3,149	3,024	9,423	9,433	-.1
29 Petroleum and coal products ¹	1,633	1,666	1,724	4,938	5,155	-4.2
30 Rubber, misc. plastic products	44	41	46	153	155	-1.6
31 Leather, leather products	w	w	w	w	w	w
32 Stone, clay, glass products	3,468	3,446	3,605	9,736	9,715	.2
33 Primary metal industries ²	2,323	2,240	2,182	6,354	6,149	3.3
34 Fabricated metal products	54	52	40	215	179	19.6
35 Machinery, except electric	67	56	66	213	257	-17.4
36 Electric, electronic equipment	w	w	w	w	w	w
37 Transportation equipment	122	177	130	629	741	-15.1
38 Instruments, related products	w	w	w	w	w	w
39 Misc. manufacturing industries	w	w	w	w	w	w
U.S. Total	16,320	16,176	16,499	48,713	48,740	-.1

¹ Includes coal gasification projects.

² Excludes coke plants.

w Withheld to avoid disclosure of individual company data.

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

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

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

SIC Code	July - September 1997	April - June 1997	July - September 1996	Percent Difference July - September: 1997 versus 1996
20 Food and kindred products	\$30.07	\$30.63	\$30.68	-2.0
21 Tobacco products	46.45	45.97	45.59	1.9
22 Textile mill products	47.47	47.73	45.68	3.9
23 Apparel, other textile products	w	w	w	w
24 Lumber and wood products	w	w	w	w
25 Furniture and fixtures	\$53.41	\$51.48	\$49.25	8.4
26 Paper and allied products	40.28	39.67	39.58	1.8
27 Printing and publishing	w	w	w	w
28 Chemicals, allied products	\$34.64	\$34.87	\$34.44	.6
29 Petroleum and coal products ¹	11.09	11.45	11.65	-4.8
30 Rubber, misc. plastic products	31.19	27.63	32.63	-4.4
31 Leather, leather products	w	w	w	w
32 Stone, clay, glass products	\$35.51	\$35.64	\$35.27	.7
33 Primary metal industries ²	25.88	25.93	25.99	-.4
34 Fabricated metal products	46.03	46.24	43.59	5.6
35 Machinery, except electric	43.93	37.47	37.19	18.1
36 Electric, electronic equipment	w	w	w	w
37 Transportation equipment	\$41.88	\$41.86	\$40.67	3.0
38 Instruments, related products	w	w	w	w
39 Misc. manufacturing industries	w	w	w	w
U.S. Total	\$32.37	\$32.34	\$32.12	.8

¹ Includes coal gasification projects.

² Excludes coke plants.

w Withheld to avoid disclosure of individual company data.

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

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

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

Census Division and State	July - September 1997	April - June 1997	July - September 1996	Year to Date		
				1997	1996	Percent Change
New England Total	11	11	11	39	39	0.0
Connecticut	w	w	w	w	w	w
Maine	w	w	w	w	w	w
Massachusetts	w	w	w	w	w	w
New Hampshire	w	w	w	w	w	w
Rhode Island	w	w	w	w	w	w
Vermont	w	w	w	w	w	w
Middle Atlantic Total	257	257	257	900	900	.0
New Jersey.....	w	w	w	w	w	w
New York	w	w	w	w	w	w
Pennsylvania	199	199	199	696	696	.0
East North Central Total	315	315	315	1,102	1,102	.0
Illinois	w	w	w	w	w	w
Indiana.....	71	71	71	249	249	.0
Michigan	w	w	w	w	w	w
Ohio.....	131	131	131	459	459	.0
Wisconsin.....	w	w	w	w	w	w
West North Central Total	w	w	w	w	w	w
Iowa.....	44	44	44	155	155	.0
Kansas	16	16	16	55	55	.0
Minnesota.....	31	31	31	109	109	.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
South Atlantic Total	161	161	161	562	562	.0
Delaware	w	w	w	w	w	w
District of Columbia.....	5	5	5	16	16	.0
Florida	*	*	*	1	1	.0
Georgia.....	1	1	1	2	2	.0
Maryland.....	w	w	w	w	w	w
North Carolina	41	41	41	144	144	.0
South Carolina	4	4	4	13	13	.0
Virginia	w	w	w	w	w	w
West Virginia.....	w	w	w	w	w	w
East South Central Total	54	54	54	190	190	.0
Alabama	9	9	9	31	31	.0
Kentucky	w	w	w	w	w	w
Mississippi	w	w	w	w	w	w
Tennessee.....	w	w	w	w	w	w
West South Central Total	*	*	*	2	*	328.8
Arkansas.....	-	-	-	-	-	-
Louisiana.....	w	w	w	w	w	w
Oklahoma.....	w	w	w	w	w	w
Texas	-	-	-	-	-	-
Mountain Total	w	w	w	w	w	w
Arizona.....	*	*	*	*	*	.0
Colorado.....	3	3	3	9	9	.0
Idaho	6	6	6	20	20	.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	76	76	267	267	.0
Pacific Total	135	135	135	472	472	.0
Alaska	95	95	95	332	332	.0
California	35	35	35	124	124	.0
Hawaii	-	-	-	-	-	-
Oregon.....	*	*	*	*	*	.0
Washington.....	5	5	5	16	16	.0
U.S. Total	1,201	1,201	1,201	4,206	4,204	*

* Rounded to zero.

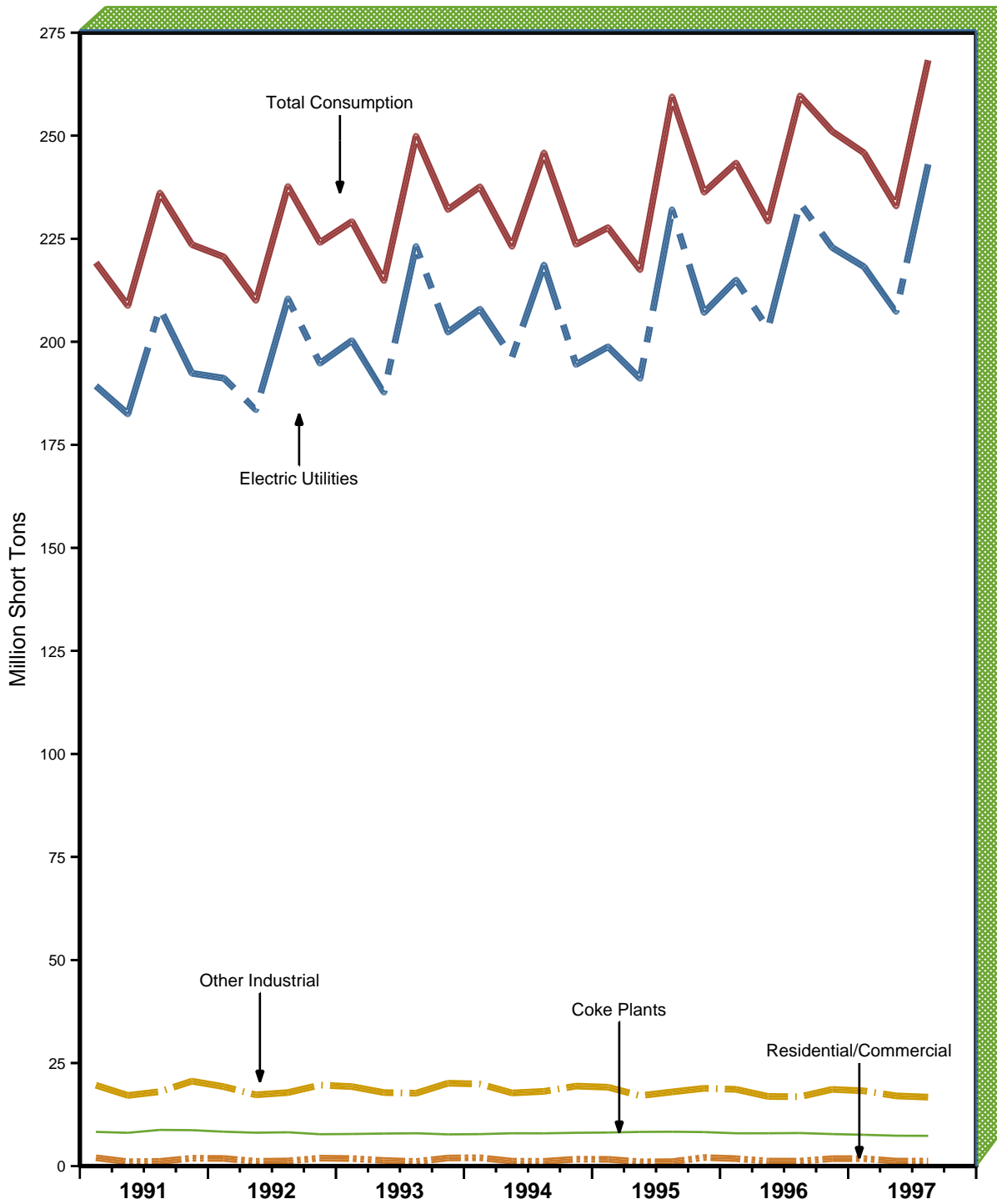
w Withheld to avoid disclosure of individual company data.

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
1991 January - March	189,291	8,291	19,618	2,008	219,208
April - June	182,488	8,075	17,139	1,055	208,757
July - September	208,133	8,777	18,051	1,132	236,093
October - December.....	192,356	8,711	20,596	1,899	223,562
Total	772,268	33,854	75,405	6,094	887,621
1992 January - March	191,151	8,340	19,260	1,843	220,594
April - June	183,507	8,097	17,284	1,149	210,037
July - September	210,419	8,200	17,843	1,236	237,698
October - December.....	194,783	7,729	19,656	1,925	224,093
Total	779,860	32,366	74,042	6,153	892,421
1993 January - March	200,285	7,783	19,281	1,817	229,165
April - June	187,746	7,886	17,834	1,354	214,820
July - September	223,142	7,960	17,675	1,094	249,872
October - December.....	202,335	7,694	20,102	1,956	232,087
Total	813,508	31,323	74,892	6,221	925,944
1994 January - March	207,915	7,754	19,911	2,016	237,596
April - June	196,254	7,965	17,739	1,187	223,145
July - September	218,616	7,945	18,123	1,135	245,820
October - December.....	194,484	8,077	19,405	1,674	223,640
Total	817,270	31,740	75,179	6,013	930,201
1995 January - March	198,782	8,140	19,135	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
Total	829,007	33,011	73,055	5,807	940,880
1996 January - March	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
Total	874,681	31,706	70,941	6,006	983,334
1997 January - March	218,175	7,590	18,246	1,802	245,813
April - June	207,350	7,367	17,026	1,201	232,945
July - September	243,068	7,338	16,721	1,201	268,328
Total	668,593	22,295	51,994	4,204	747,086

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	July - September 1997	April - June 1997	July - September 1996	Year to Date		
				1997	1996	Percent Change
New England Total	1,978	1,863	1,890	5,790	5,342	8.4
Connecticut.....	234	261	268	788	750	5.1
Maine.....	46	46	65	148	177	-16.3
Massachusetts.....	1,266	1,133	1,188	3,575	3,292	8.6
New Hampshire.....	431	421	368	1,276	1,120	13.9
Rhode Island.....	1	1	1	2	2	.0
Vermont.....	*	*	*	1	1	.0
Middle Atlantic Total	19,301	16,603	18,583	54,171	53,435	1.4
New Jersey.....	841	425	659	2,060	1,811	13.7
New York.....	3,117	2,614	2,868	8,607	8,385	2.6
Pennsylvania.....	15,342	13,564	15,056	43,504	43,239	.6
East North Central Total	60,096	54,224	58,622	173,218	169,243	2.3
Illinois.....	12,532	11,148	11,585	35,461	32,151	10.3
Indiana.....	17,046	15,101	16,693	48,743	48,073	1.4
Michigan.....	8,914	8,257	9,374	26,172	27,134	-3.5
Ohio.....	14,950	13,621	14,974	43,659	44,468	-1.8
Wisconsin.....	6,653	6,098	5,997	19,183	17,417	10.1
West North Central Total	36,825	30,805	34,615	102,720	101,360	1.3
Iowa.....	6,021	4,459	5,452	16,093	15,957	.8
Kansas.....	5,415	3,614	4,900	13,528	14,298	-5.4
Minnesota.....	4,685	3,991	4,425	13,885	13,962	-6
Missouri.....	10,033	8,734	9,216	27,521	25,719	7.0
Nebraska.....	2,829	2,854	2,761	8,580	7,622	12.6
North Dakota.....	7,233	6,537	7,414	21,316	22,294	-4.4
South Dakota.....	610	614	446	1,798	1,508	19.2
South Atlantic Total	46,940	40,028	44,434	127,124	125,503	1.3
Delaware.....	511	445	516	1,440	1,414	1.8
District of Columbia.....	5	5	5	16	16	.0
Florida.....	7,947	7,121	8,053	21,695	21,546	.7
Georgia.....	9,898	7,649	8,986	24,510	24,317	.8
Maryland.....	3,157	2,517	2,903	8,527	8,767	-2.7
North Carolina.....	7,964	6,821	7,774	21,644	20,381	6.2
South Carolina.....	4,091	3,114	3,832	10,291	10,581	-2.7
Virginia.....	4,055	3,663	3,766	11,546	11,144	3.6
West Virginia.....	9,313	8,693	8,600	27,454	27,336	.4
East South Central Total	30,212	26,571	29,108	83,634	83,958	-4
Alabama.....	10,059	8,523	10,060	26,831	27,740	-3.3
Kentucky.....	10,877	10,094	10,402	31,229	31,597	-1.2
Mississippi.....	1,907	1,418	1,566	4,704	4,176	12.7
Tennessee.....	7,369	6,536	7,081	20,869	20,445	2.1
West South Central Total	41,025	36,257	40,396	112,906	110,624	2.1
Arkansas.....	3,835	3,943	4,013	11,238	11,112	1.1
Louisiana.....	3,921	3,399	3,875	10,458	9,385	11.4
Oklahoma.....	5,647	4,939	5,196	15,735	15,490	1.6
Texas.....	27,622	23,976	27,312	75,474	74,638	1.1
Mountain Total	29,626	24,885	29,410	81,410	76,242	6.8
Arizona.....	5,186	4,155	4,940	13,281	11,893	11.7
Colorado.....	4,610	4,141	4,550	12,818	12,688	1.0
Idaho.....	33	15	34	198	199	-6
Montana.....	2,713	1,745	2,405	6,689	5,169	29.4
Nevada.....	2,002	1,477	2,157	5,344	5,243	1.9
New Mexico.....	4,067	3,934	4,106	12,034	10,860	10.8
Utah.....	4,240	3,640	4,257	11,788	10,890	8.2
Wyoming.....	6,775	5,778	6,961	19,257	19,299	-2
Pacific Total	2,325	1,710	2,598	6,116	6,575	-7.0
Alaska.....	139	154	120	505	504	.2
California.....	553	558	561	1,660	1,695	-2.1
Hawaii.....	23	40	37	108	132	-18.6
Oregon.....	296	*	375	375	405	-7.3
Washington.....	1,315	958	1,506	3,468	3,839	-9.7
U.S. Total	268,328	232,945	259,657	747,088	732,281	2.0

* 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	July - September 1997	April - June 1997	July - September 1996	Year to Date		
				1997	1996	Percent Change
New England Total	1,912	1,799	1,806	5,577	5,102	9.3
Connecticut.....	233	260	267	784	746	5.1
Maine.....	-	-	-	-	-	-
Massachusetts.....	1,250	1,119	1,172	3,523	3,241	8.7
New Hampshire.....	430	420	367	1,270	1,115	13.9
Rhode Island.....	-	-	-	-	-	-
Vermont.....	-	-	-	-	-	-
Middle Atlantic Total	14,598	12,133	13,767	40,234	39,105	2.9
New Jersey.....	838	421	655	2,047	1,801	13.7
New York.....	2,381	1,866	2,115	6,341	6,102	3.9
Pennsylvania.....	11,380	9,846	10,997	31,846	31,203	2.1
East North Central Total	53,265	47,042	51,602	151,386	146,978	3.0
Illinois.....	10,971	9,565	10,066	30,645	27,500	11.4
Indiana.....	14,282	12,324	13,974	40,402	39,712	1.7
Michigan.....	8,332	7,405	8,409	23,626	23,843	-9
Ohio.....	13,455	12,087	13,516	38,916	39,807	-2.2
Wisconsin.....	6,224	5,661	5,637	17,797	16,117	10.4
West North Central Total	33,635	27,475	31,317	92,513	90,985	1.7
Iowa.....	5,183	3,652	4,670	13,561	13,501	.4
Kansas.....	5,364	3,566	4,848	13,368	14,128	-5.4
Minnesota.....	4,379	3,631	4,087	12,721	12,681	.3
Missouri.....	9,701	8,393	8,905	26,478	24,755	7.0
Nebraska.....	2,762	2,789	2,701	8,375	7,433	12.7
North Dakota.....	5,749	4,922	5,773	16,521	17,258	-4.3
South Dakota.....	497	521	333	1,489	1,229	21.1
South Atlantic Total	43,351	36,289	40,507	115,704	113,315	2.1
Delaware.....	462	416	473	1,311	1,296	1.2
District of Columbia.....	-	-	-	-	-	-
Florida.....	7,624	6,782	7,719	20,696	20,606	.4
Georgia.....	9,418	7,155	8,530	23,005	22,859	.6
Maryland.....	2,951	2,313	2,695	7,907	8,151	-3.0
North Carolina.....	7,420	6,243	7,201	19,851	18,494	7.3
South Carolina.....	3,594	2,632	3,347	8,783	9,079	-3.3
Virginia.....	3,166	2,693	2,823	8,644	8,194	5.5
West Virginia.....	8,717	8,055	7,720	25,506	24,637	3.5
East South Central Total	26,982	23,274	25,797	73,665	73,758	-1
Alabama.....	8,660	7,105	8,608	22,580	23,365	-3.4
Kentucky.....	9,995	9,162	9,494	28,456	28,760	-1.1
Mississippi.....	1,849	1,366	1,512	4,533	4,006	13.2
Tennessee.....	6,478	5,640	6,183	18,096	17,626	2.7
West South Central Total	39,485	34,865	38,889	108,528	106,168	2.2
Arkansas.....	3,762	3,865	3,933	10,997	10,858	1.3
Louisiana.....	3,908	3,387	3,851	10,404	9,317	11.7
Oklahoma.....	5,457	4,745	5,006	15,171	14,933	1.6
Texas.....	26,358	22,868	26,100	71,956	71,060	1.3
Mountain Total	28,231	23,505	28,056	77,145	72,140	6.9
Arizona.....	5,000	4,005	4,763	12,759	11,400	11.9
Colorado.....	4,509	4,041	4,458	12,518	12,420	.8
Idaho.....	-	-	-	-	-	-
Montana.....	2,689	1,722	2,383	6,592	5,089	29.5
Nevada.....	1,955	1,435	2,110	5,212	5,109	2.0
New Mexico.....	4,046	3,913	4,086	11,972	10,798	10.9
Utah.....	3,803	3,165	3,826	10,527	9,648	9.1
Wyoming.....	6,230	5,225	6,429	17,564	17,677	-6
Pacific Total	1,608	969	1,867	3,843	4,255	-9.7
Alaska.....	43	58	25	172	171	.6
California.....	-	-	-	-	-	-
Hawaii.....	-	-	-	-	-	-
Oregon.....	292	-	374	342	374	-8.5
Washington.....	1,273	910	1,469	3,329	3,711	-10.3
U.S. Total	243,068	207,350	233,609	668,593	651,806	2.6

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, July-September 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
New England	-2,634	-12	355	8	1,189	44	72	2	654	294	-4,920	-46
Connecticut.....	-4,417	-56	86	14	947	110	-33	-6	63	NM	-5,484	-95
Maine.....	1,054	224	-	-	-41	-16	-	-	227	103	867	-
Massachusetts.....	-206	-3	218	8	221	16	-556	-22	159	-87	-247	-17
New Hampshire.....	431	12	52	6	50	21	-118	-100	176	190	270	12
Rhode Island.....	797	NM	*	-	17	137	779	NM	*	-	-	-
Vermont.....	-293	-24	-	-	-5	-80	*	-100	30	37	-326	-29
Middle Atlantic	-2,264	-3	1,884	6	-864	-25	-4,619	-38	1,327	27	-6	*
New Jersey.....	-1,382	-19	36	2	-341	-67	-1,205	-52	-6	17	133	4
New York.....	-1,565	-5	-26	-1	-190	-11	-2,680	-31	1,002	19	315	3
Pennsylvania.....	684	2	1,873	7	-332	-28	-734	-70	330	-233	-453	-3
East North Central	-3,910	-3	-1,283	-1	-308	-35	-1,488	-52	13	2	-870	-3
Illinois.....	-3,477	-8	1,024	6	-223	-59	-455	-35	-7	-61	-3,831	-18
Indiana.....	-1,212	-4	-1,082	-4	84	174	-249	-71	34	31	-	-
Michigan.....	2,696	12	271	2	-93	-32	-290	-57	-15	-16	2,823	60
Ohio.....	-1,082	-3	-1,157	-4	-45	-43	-289	-79	97	270	312	7
Wisconsin.....	-835	-6	-340	-3	-31	-51	-205	-55	-97	-20	-175	-6
West North Central	-1,192	-2	112	*	-201	-42	-1,338	-52	130	3	113	1
Iowa.....	-206	-2	-41	-1	-12	-40	-101	-63	-43	-16	-9	-1
Kansas.....	39	*	607	9	-13	-46	-582	-43	-	-	27	1
Minnesota.....	-535	-5	-403	-6	73	58	-128	-42	-43	-21	-28	-1
Missouri.....	-683	-4	254	2	-247	-92	-443	-72	-309	-61	64	3
Nebraska.....	120	2	141	3	-8	-71	-62	-52	-11	-2	59	2
North Dakota.....	95	1	-194	-3	16	209	*	-484	274	35	-	-
South Dakota.....	-23	-1	-252	-44	-9	-70	-23	-46	262	12	-	-
South Atlantic	-6,216	-4	-568	-1	-1,332	-13	-1,752	-12	288	12	-2,853	-6
Delaware.....	-225	-9	-161	-13	52	24	-116	-11	-	-	-	-
District of Columbia.....	-116	-78	-	-	-116	-78	-	-	-	-	-	-
Florida.....	-396	-1	217	1	-628	-7	-376	-4	7	16	383	6
Georgia.....	-385	-1	-84	*	-78	-60	-267	-61	66	8	-22	*
Maryland.....	-1,817	-14	-751	-10	-114	-24	-645	-63	282	254	-588	-17
North Carolina.....	1,420	5	1,259	7	-25	-38	-91	-52	-1	*	277	3
South Carolina.....	-2,575	-12	876	11	-45	-70	-317	-86	-153	-39	-2,936	-22
Virginia.....	155	1	399	6	-378	-63	61	13	40	361	33	*
West Virginia.....	-2,278	-10	-2,321	-11	-1	-3	-2	-28	47	109	-	-
East South Central	5,509	7	-187	*	-114	-55	-1,116	-27	620	15	6,307	55
Alabama.....	2,781	10	104	1	-4	-19	-195	-44	365	28	2,511	46
Kentucky.....	-416	-2	-484	-2	-8	-26	35	281	40	5	-	-
Mississippi.....	134	2	505	17	-4	-61	-851	-24	-	-	484	22
Tennessee.....	3,010	14	-312	-2	-98	-67	-105	-69	214	11	3,312	85
West South Central	-5,268	-4	1,769	3	-79	-58	-5,429	-10	-881	-41	-648	-4
Arkansas.....	-508	-4	152	2	-8	-50	-169	-10	-421	-43	-62	-2
Louisiana.....	-2,813	-14	138	2	*	4	-2,455	-22	-	-	-497	-12
Oklahoma.....	-1,516	-10	-167	-2	-51	-86	-979	-16	-318	-42	-	-
Texas.....	-430	-1	1,646	5	-19	-40	-1,826	-5	-142	-37	-89	-1
Mountain	-105	*	534	1	14	24	-96	-2	-263	-3	-300	-4
Arizona.....	-835	-4	-89	-1	12	77	-176	-16	-283	-11	-300	-4
Colorado.....	526	6	636	8	1	79	88	110	-199	-29	-	-
Idaho.....	-141	-5	-	-	*	NM	-	-	-141	-5	-	-
Montana.....	111	2	-409	-10	*	6	-10	-55	530	20	-	-
Nevada.....	152	2	68	2	*	9	89	5	-5	-1	-	-
New Mexico.....	-344	-4	-303	-4	-1	-11	-21	-2	-19	-24	-	-
Utah.....	-85	-1	88	1	-1	-14	-63	-27	-115	-45	-	-
Wyoming.....	510	5	544	5	1	3	-3	-55	-31	-8	-	-
Pacific	2,132	3	-268	-9	13	49	-1,454	-9	2,595	7	811	8
California.....	-2,891	-8	-	-	13	53	-1,841	-12	-2,872	-22	1,375	19
Oregon.....	1,097	12	-109	-14	1	65	263	35	942	12	-	-
Washington.....	3,925	18	-159	-7	*	-17	124	38	4,524	26	-564	-25
Pacific Noncontiguous	-130	-5	-54	-72	1	*	*	*	-78	-24	-	-
Alaska.....	-139	-12	-54	-72	-6	-8	*	*	-79	-25	-	-
Hawaii.....	8	1	-	-	8	*	-	-	1	12	-	-
Total	-14,078	-2	2,294	*	-1,680	-8	-17,219	-15	4,404	7	-2,365	-1

* Number less than 0.5 rounded to zero.

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

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	July - September 1997	April - June 1997	July - September 1996	Year to Date		
				1997	1996	Percent Change
New England Total	-	-	-	-	-	-
Connecticut.....	-	-	-	-	-	-
Maine.....	-	-	-	-	-	-
Massachusetts.....	-	-	-	-	-	-
New Hampshire.....	-	-	-	-	-	-
Rhode Island.....	-	-	-	-	-	-
Vermont.....	-	-	-	-	-	-
Middle Atlantic Total	w	w	w	w	w	w
New Jersey.....	-	-	-	-	-	-
New York.....	w	w	w	w	w	w
Pennsylvania.....	2,684	2,437	2,725	7,696	7,992	-3.7
East North Central Total	2,534	2,770	2,821	8,121	8,565	-5.2
Illinois.....	w	w	w	w	w	w
Indiana.....	1,446	1,453	1,415	4,314	4,363	-1.1
Michigan.....	w	w	w	w	w	w
Ohio.....	468	453	462	1,381	1,377	.3
Wisconsin.....	-	-	-	-	-	-
West North Central Total	-	-	-	-	-	-
Iowa.....	-	-	-	-	-	-
Kansas.....	-	-	-	-	-	-
Minnesota.....	-	-	-	-	-	-
Missouri.....	-	-	-	-	-	-
Nebraska.....	-	-	-	-	-	-
North Dakota.....	-	-	-	-	-	-
South Dakota.....	-	-	-	-	-	-
South Atlantic Total	w	w	w	w	w	w
Delaware.....	-	-	-	-	-	-
District of Columbia.....	-	-	-	-	-	-
Florida.....	-	-	-	-	-	-
Georgia.....	-	-	-	-	-	-
Maryland.....	w	w	w	w	w	w
North Carolina.....	-	-	-	-	-	-
South Carolina.....	-	-	-	-	-	-
Virginia.....	w	w	w	w	w	w
West Virginia.....	w	w	w	w	w	w
East South Central Total	w	w	w	w	w	w
Alabama.....	775	780	815	2,333	2,445	-4.6
Kentucky.....	w	w	w	w	w	w
Mississippi.....	-	-	-	-	-	-
Tennessee.....	-	-	-	-	-	-
West South Central Total	-	-	-	-	-	-
Arkansas.....	-	-	-	-	-	-
Louisiana.....	-	-	-	-	-	-
Oklahoma.....	-	-	-	-	-	-
Texas.....	-	-	-	-	-	-
Mountain Total	w	w	w	w	w	w
Arizona.....	-	-	-	-	-	-
Colorado.....	-	-	-	-	-	-
Idaho.....	-	-	-	-	-	-
Montana.....	-	-	-	-	-	-
Nevada.....	-	-	-	-	-	-
New Mexico.....	-	-	-	-	-	-
Utah.....	w	w	w	w	w	w
Wyoming.....	-	-	-	-	-	-
Pacific Total	-	-	-	-	-	-
Alaska.....	-	-	-	-	-	-
California.....	-	-	-	-	-	-
Hawaii.....	-	-	-	-	-	-
Oregon.....	-	-	-	-	-	-
Washington.....	-	-	-	-	-	-
By Plant Type						
Merchant Coke Plants.....	987	986	1,033	2,977	3,096	-3.8
Furnace Coke Plants.....	6,351	6,380	6,982	19,318	20,843	-7.3
U.S. Total	7,338	7,367	8,016	22,295	23,939	-6.9

^w Withheld to avoid disclosure of individual company data.

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

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

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

Census Division and State	July - September 1997	April - June 1997	July - September 1996	Year to Date		
				1997	1996	Percent Change
New England Total	55	53	74	174	202	-13.5
Connecticut	-	-	-	-	-	-
Maine	w	w	w	w	w	w
Massachusetts	w	w	w	w	w	w
New Hampshire	-	-	-	-	-	-
Rhode Island	-	-	-	-	-	-
Vermont	-	-	-	-	-	-
Middle Atlantic Total	w	w	w	w	w	w
New Jersey.....	w	w	w	w	w	w
New York	359	355	359	1,077	1,081	-3
Pennsylvania	1,079	1,081	1,135	3,266	3,348	-2.4
East North Central Total	3,982	4,097	3,884	12,609	12,599	.1
Illinois	904	940	873	2,856	2,714	5.2
Indiana.....	1,247	1,252	1,232	3,778	3,748	.8
Michigan	527	539	577	1,760	2,083	-15.5
Ohio.....	896	950	865	2,904	2,826	2.8
Wisconsin.....	408	416	338	1,313	1,226	7.0
West North Central Total	3,028	3,168	3,136	9,641	9,808	-1.7
Iowa.....	794	763	737	2,377	2,301	3.3
Kansas	34	32	37	105	114	-8.6
Minnesota.....	274	329	307	1,054	1,171	-10.0
Missouri	291	300	270	900	822	9.6
Nebraska	w	w	w	w	w	w
North Dakota	w	w	w	w	w	w
South Dakota	113	93	113	308	277	10.9
South Atlantic Total	w	w	w	w	w	w
Delaware	w	w	w	w	w	w
District of Columbia.....	-	-	-	-	-	-
Florida	323	339	334	998	940	6.2
Georgia.....	480	493	456	1,503	1,456	3.2
Maryland.....	197	196	200	591	587	.8
North Carolina	502	537	532	1,650	1,743	-5.4
South Carolina	493	478	481	1,495	1,490	.4
Virginia	558	651	608	1,889	1,941	-2.7
West Virginia.....	393	403	395	1,221	1,235	-1.1
East South Central Total	w	w	w	w	w	w
Alabama	615	629	628	1,888	1,899	-6
Kentucky	522	579	539	1,690	1,732	-2.4
Mississippi	w	w	w	w	w	w
Tennessee.....	868	874	875	2,696	2,742	-1.7
West South Central Total	1,540	1,392	1,507	4,375	4,455	-1.8
Arkansas.....	73	78	80	241	253	-5.0
Louisiana.....	w	w	w	w	w	w
Oklahoma.....	w	w	w	w	w	w
Texas	1,264	1,108	1,213	3,519	3,578	-1.7
Mountain Total	1,036	1,014	996	3,126	2,939	6.4
Arizona.....	186	150	177	522	494	5.7
Colorado.....	98	97	89	291	258	12.5
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.....	165	197	160	428	386	10.8
Wyoming.....	469	477	456	1,426	1,355	5.2
Pacific Total	582	606	596	1,801	1,847	-2.5
Alaska	w	w	w	w	w	w
California	517	523	525	1,536	1,571	-2.2
Hawaii	w	w	w	w	w	w
Oregon.....	w	w	w	w	w	w
Washington.....	38	43	32	122	112	9.3
U.S. Total	16,721	17,026	16,831	51,994	52,331	-6

^w Withheld to avoid disclosure of individual company data.

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

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

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

SIC Code	July - September 1997	April - June 1997	July - September 1996	Year to Date		
				1997	1996	Percent Change
20 Food and kindred products	1,591	1,671	1,482	5,372	5,064	6.1
21 Tobacco products	131	132	144	426	450	-5.4
22 Textile mill products	214	245	201	745	755	-1.3
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	9	13	8	54	55	-2.9
26 Paper and allied products	3,112	3,141	3,147	9,829	9,850	-2
27 Printing and publishing	w	w	w	w	w	w
28 Chemicals, allied products	3,002	3,118	2,989	9,493	9,471	.2
29 Petroleum and coal products ¹	1,571	1,661	1,734	4,919	5,181	-5.0
30 Rubber, misc. plastic products	44	44	43	149	157	-5.5
31 Leather, leather products	w	w	w	w	w	w
32 Stone, clay, glass products	3,389	3,324	3,458	9,809	9,817	-1
33 Primary metal industries ²	2,235	2,114	2,102	6,349	6,313	.6
34 Fabricated metal products	37	62	34	197	200	-1.2
35 Machinery, except electric	36	67	47	258	278	-7.2
36 Electric, electronic equipment	w	w	w	w	w	w
37 Transportation equipment	114	192	123	635	746	-14.9
38 Instruments, related products	w	w	w	w	w	w
39 Misc. manufacturing industries	w	w	w	w	w	w
U.S. Total	15,691	15,996	15,735	48,903	49,044	-3

¹ Includes coal gasification projects.

² Excludes coke plants.

^w Withheld to avoid disclosure of individual company data.

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

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

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

Census Division and State	July - September 1997	April - June 1997	July - September 1996	Year to Date		
				1997	1996	Percent Change
New England Total	11	11	11	39	39	0.0
Connecticut.....	w	w	w	w	w	w
Maine.....	w	w	w	w	w	w
Massachusetts.....	w	w	w	w	w	w
New Hampshire.....	w	w	w	w	w	w
Rhode Island.....	w	w	w	w	w	w
Vermont.....	w	w	w	w	w	w
Middle Atlantic Total	257	257	257	900	900	.0
New Jersey.....	w	w	w	w	w	w
New York.....	w	w	w	w	w	w
Pennsylvania.....	199	199	199	696	696	.0
East North Central Total	315	315	315	1,102	1,102	.0
Illinois.....	w	w	w	w	w	w
Indiana.....	71	71	71	249	249	.0
Michigan.....	w	w	w	w	w	w
Ohio.....	131	131	131	459	459	.0
Wisconsin.....	w	w	w	w	w	w
West North Central Total	w	w	w	w	w	w
Iowa.....	44	44	44	155	155	.0
Kansas.....	16	16	16	55	55	.0
Minnesota.....	31	31	31	109	109	.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
South Atlantic Total	161	161	161	562	562	.0
Delaware.....	w	w	w	w	w	w
District of Columbia.....	5	5	5	16	16	.0
Florida.....	*	*	*	1	1	.0
Georgia.....	1	1	1	2	2	.0
Maryland.....	w	w	w	w	w	w
North Carolina.....	41	41	41	144	144	.0
South Carolina.....	4	4	4	13	13	.0
Virginia.....	w	w	w	w	w	w
West Virginia.....	w	w	w	w	w	w
East South Central Total	54	54	54	190	190	.0
Alabama.....	9	9	9	31	31	.0
Kentucky.....	w	w	w	w	w	w
Mississippi.....	w	w	w	w	w	w
Tennessee.....	w	w	w	w	w	w
West South Central Total	*	*	*	2	*	328.8
Arkansas.....	-	-	-	-	-	-
Louisiana.....	w	w	w	w	w	w
Oklahoma.....	w	w	w	w	w	w
Texas.....	-	-	-	-	-	-
Mountain Total	w	w	w	w	w	w
Arizona.....	*	*	*	*	*	.0
Colorado.....	3	3	3	9	9	.0
Idaho.....	6	6	6	20	20	.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	76	76	267	267	.0
Pacific Total	135	135	135	472	472	.0
Alaska.....	95	95	95	332	332	.0
California.....	35	35	35	124	124	.0
Hawaii.....	w	w	w	w	w	w
Oregon.....	w	w	w	w	w	w
Washington.....	5	5	5	16	16	.0
U.S. Total	1,201	1,201	1,201	4,206	4,204	*

* Rounded to zero.

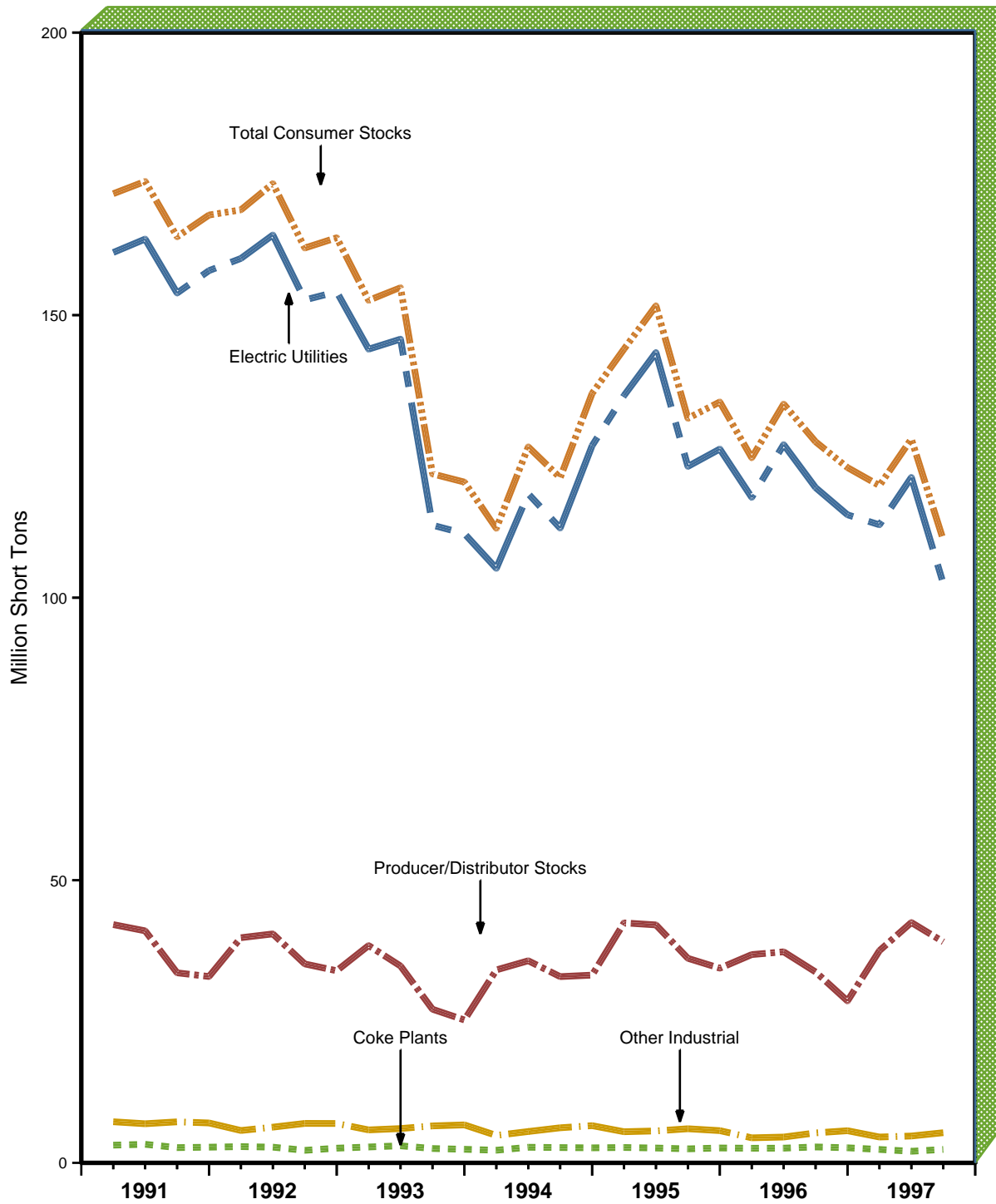
w Withheld to avoid disclosure of individual company data.

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 ¹				Coal Producers and Distributors	Total
	Electric Utilities	Coke Plants	Other Industrial ²	Total		
1991 March 31	161,084	3,130	7,271	171,485	42,162	213,647
June 30	163,459	3,283	6,921	173,663	41,054	214,716
September 30	153,907	2,695	7,258	163,860	33,628	197,488
December 31	157,876	2,773	7,061	167,711	32,971	200,682
1992 March 31	160,032	2,875	5,725	168,632	39,853	208,485
June 30	164,176	2,776	6,317	173,270	40,513	213,783
September 30	152,685	2,215	6,979	161,878	35,198	197,076
December 31	154,130	2,597	6,965	163,692	33,993	197,685
1993 March 31	143,978	2,809	5,831	152,619	38,453	191,072
June 30	145,753	3,020	6,070	154,842	34,827	189,669
September 30	112,833	2,536	6,540	121,909	27,183	149,092
December 31	111,341	2,401	6,716	120,458	25,284	145,742
1994 March 31	105,186	2,232	4,859	112,278	34,139	146,417
June 30	118,391	2,759	5,543	126,694	35,758	162,451
September 30	112,314	2,706	6,206	121,225	32,955	154,180
December 31	126,897	2,657	6,585	136,139	33,219	169,358
1995 March 31	135,778	2,719	5,507	144,004	42,460	186,463
June 30	143,385	2,624	5,649	151,657	42,104	193,761
September 30	123,227	2,476	6,036	131,739	36,193	167,932
December 31	126,304	2,632	5,702	134,639	34,444	169,083
1996 March 31	117,746	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
1997 March 31	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
September 30	102,508	2,375	5,336	110,219	39,111	149,330

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

² Manufacturing plants only.

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

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

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

Census Division and State	Electric Utilities	Coke Plants	Other Industrial ¹	Total
New England Total	987	—	62	1,049
Connecticut.....	148	—	w	w
Maine.....	—	—	w	w
Massachusetts.....	570	—	w	w
New Hampshire.....	269	—	w	w
Rhode Island.....	—	—	w	w
Vermont.....	—	—	w	w
Middle Atlantic Total	9,040	w	w	w
New Jersey.....	526	—	w	w
New York.....	642	w	181	w
Pennsylvania.....	7,872	694	191	8,756
East North Central Total	27,562	1,152	1,712	30,427
Illinois.....	4,878	w	234	w
Indiana.....	5,886	517	336	6,738
Michigan.....	6,249	w	694	w
Ohio.....	6,176	71	167	6,414
Wisconsin.....	4,373	—	282	4,655
West North Central Total	14,546	—	1,074	15,620
Iowa.....	2,852	—	525	3,376
Kansas.....	2,205	—	18	2,224
Minnesota.....	1,948	—	192	2,140
Missouri.....	3,838	—	178	4,016
Nebraska.....	1,538	—	w	w
North Dakota.....	1,996	—	w	w
South Dakota.....	170	—	w	w
South Atlantic Total	17,123	w	w	w
Delaware.....	331	—	w	w
District of Columbia.....	—	—	—	—
Florida.....	3,120	—	98	3,219
Georgia.....	2,605	—	133	2,738
Maryland.....	999	w	25	w
North Carolina.....	2,595	—	149	2,744
South Carolina.....	1,953	—	191	2,144
Virginia.....	991	w	155	w
West Virginia.....	4,528	w	135	w
East South Central Total	9,498	w	w	w
Alabama.....	3,275	211	170	3,656
Kentucky.....	3,998	w	82	w
Mississippi.....	650	—	w	w
Tennessee.....	1,575	—	245	1,820
West South Central Total	12,638	—	241	12,879
Arkansas.....	906	—	14	920
Louisiana.....	1,977	—	13	1,990
Oklahoma.....	2,979	—	48	3,027
Texas.....	6,776	—	166	6,943
Mountain Total	10,006	w	323	w
Arizona.....	1,406	—	31	1,437
Colorado.....	2,933	—	12	2,945
Idaho.....	—	—	196	196
Montana.....	417	—	w	w
Nevada.....	932	—	w	w
New Mexico.....	830	—	w	w
Utah.....	1,890	w	3	w
Wyoming.....	1,598	—	67	1,665
Pacific Total	1,107	—	158	1,265
Alaska.....	1	—	—	1
California.....	—	—	88	88
Hawaii.....	—	—	w	w
Oregon.....	186	—	w	w
Washington.....	921	—	9	930
U.S. Total	102,508	2,375	5,336	110,219

¹ Manufacturing plants only.

w Withheld to avoid disclosure of individual company data.

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

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

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

Census Division and State	September 30, 1997	June 30, 1997	September 30, 1996	Percent Difference September 30: 1997 versus 1996
New England Total	987	1,170	1,090	-9.4
Connecticut.....	148	170	107	37.9
Maine.....	-	-	-	-
Massachusetts.....	570	699	741	-23.1
New Hampshire.....	269	302	241	11.6
Rhode Island.....	-	-	-	-
Vermont.....	-	-	-	-
Middle Atlantic Total	9,040	10,352	8,913	1.4
New Jersey.....	526	919	571	-7.9
New York.....	642	765	721	-11.0
Pennsylvania.....	7,872	8,668	7,621	3.3
East North Central Total	27,562	30,588	29,828	-7.6
Illinois.....	4,878	6,042	5,063	-3.7
Indiana.....	5,886	7,143	8,490	-30.7
Michigan.....	6,249	6,898	6,938	-9.9
Ohio.....	6,176	6,242	5,027	22.9
Wisconsin.....	4,373	4,263	4,309	1.5
West North Central Total	14,546	16,227	18,908	-23.1
Iowa.....	2,852	3,894	4,542	-37.2
Kansas.....	2,205	2,973	3,505	-37.1
Minnesota.....	1,948	1,420	1,917	1.6
Missouri.....	3,838	4,317	5,235	-26.7
Nebraska.....	1,538	1,490	1,781	-13.6
North Dakota.....	1,996	1,956	1,810	10.3
South Dakota.....	170	177	118	43.4
South Atlantic Total	17,123	21,699	17,307	-1.1
Delaware.....	331	334	266	24.4
District of Columbia.....	-	-	-	-
Florida.....	3,120	3,579	2,828	10.3
Georgia.....	2,605	4,586	3,776	-31.0
Maryland.....	999	1,379	1,072	-6.8
North Carolina.....	2,595	3,388	2,265	14.5
South Carolina.....	1,953	2,611	1,378	41.7
Virginia.....	991	1,029	897	10.5
West Virginia.....	4,528	4,794	4,825	-6.1
East South Central Total	9,498	11,090	8,435	12.6
Alabama.....	3,275	4,215	2,469	32.7
Kentucky.....	3,998	4,550	3,910	2.3
Mississippi.....	650	789	492	32.0
Tennessee.....	1,575	1,536	1,564	.7
West South Central Total	12,638	16,920	20,214	-37.5
Arkansas.....	906	1,583	2,872	-68.4
Louisiana.....	1,977	2,316	2,695	-26.6
Oklahoma.....	2,979	3,715	4,012	-25.7
Texas.....	6,776	9,307	10,635	-36.3
Mountain Total	10,006	12,278	13,029	-23.2
Arizona.....	1,406	2,017	2,939	-52.2
Colorado.....	2,933	3,043	2,836	3.4
Idaho.....	-	-	-	-
Montana.....	417	501	504	-17.2
Nevada.....	932	1,275	1,329	-29.9
New Mexico.....	830	821	822	1.0
Utah.....	1,890	2,682	2,022	-6.5
Wyoming.....	1,598	1,938	2,578	-38.0
Pacific Total	1,107	965	1,756	-36.9
Alaska.....	1	1	1	-25.0
California.....	-	-	-	-
Hawaii.....	-	-	-	-
Oregon.....	186	297	260	-28.3
Washington.....	921	667	1,496	-38.4
U.S. Total	102,508	121,289	119,480	-14.2

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

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

Census Division and State	September 30, 1997	June 30, 1997	September 30, 1996	Percent Difference September 30: 1997 versus 1996
New England Total	-	-	-	-
Connecticut.....	-	-	-	-
Maine.....	-	-	-	-
Massachusetts.....	-	-	-	-
New Hampshire.....	-	-	-	-
Rhode Island.....	-	-	-	-
Vermont.....	-	-	-	-
Middle Atlantic Total	w	w	w	w
New Jersey.....	-	-	-	-
New York.....	w	w	w	w
Pennsylvania.....	694	706	868	-20.0
East North Central Total	1,152	759	1,266	-9.0
Illinois.....	w	w	w	w
Indiana.....	517	464	486	6.4
Michigan.....	w	w	w	w
Ohio.....	71	66	83	-15.0
Wisconsin.....	-	-	-	-
West North Central Total	-	-	-	-
Iowa.....	-	-	-	-
Kansas.....	-	-	-	-
Minnesota.....	-	-	-	-
Missouri.....	-	-	-	-
Nebraska.....	-	-	-	-
North Dakota.....	-	-	-	-
South Dakota.....	-	-	-	-
South Atlantic Total	w	w	w	w
Delaware.....	-	-	-	-
District of Columbia.....	-	-	-	-
Florida.....	-	-	-	-
Georgia.....	-	-	-	-
Maryland.....	w	w	w	w
North Carolina.....	-	-	-	-
South Carolina.....	-	-	-	-
Virginia.....	w	w	w	w
West Virginia.....	w	w	w	w
East South Central Total	w	w	w	w
Alabama.....	211	203	246	-14.1
Kentucky.....	w	w	w	w
Mississippi.....	-	-	-	-
Tennessee.....	-	-	-	-
West South Central Total	-	-	-	-
Arkansas.....	-	-	-	-
Louisiana.....	-	-	-	-
Oklahoma.....	-	-	-	-
Texas.....	-	-	-	-
Mountain Total	w	w	w	w
Arizona.....	-	-	-	-
Colorado.....	-	-	-	-
Idaho.....	-	-	-	-
Montana.....	-	-	-	-
Nevada.....	-	-	-	-
New Mexico.....	-	-	-	-
Utah.....	w	w	w	w
Wyoming.....	-	-	-	-
Pacific Total	-	-	-	-
Alaska.....	-	-	-	-
California.....	-	-	-	-
Hawaii.....	-	-	-	-
Oregon.....	-	-	-	-
Washington.....	-	-	-	-
By Plant Type				
Merchant Coke Plants.....	204	235	226	-9.7
Furnace Coke Plants.....	2,171	1,816	2,588	-16.1
U.S. Total	2,375	2,050	2,814	-15.6

^w Withheld to avoid disclosure of individual company data.

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

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

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

Census Division and State	September 30, 1997	June 30, 1997	September 30, 1996	Percent Difference September 30: 1997 versus 1996
New England Total	62	53	46	32.5
Connecticut.....	—	—	—	—
Maine.....	w	w	w	w
Massachusetts.....	w	w	w	w
New Hampshire.....	—	—	—	—
Rhode Island.....	—	—	—	—
Vermont.....	—	—	—	—
Middle Atlantic Total	w	w	w	w
New Jersey.....	w	w	w	w
New York.....	181	114	166	9.2
Pennsylvania.....	191	197	184	3.6
East North Central Total	1,712	1,367	1,569	9.1
Illinois.....	234	243	226	3.4
Indiana.....	336	319	289	16.0
Michigan.....	694	455	681	2.0
Ohio.....	167	162	106	57.8
Wisconsin.....	282	188	267	5.4
West North Central Total	1,074	869	1,178	-8.8
Iowa.....	525	374	671	-21.7
Kansas.....	18	16	15	25.5
Minnesota.....	192	182	194	-1.0
Missouri.....	178	182	153	16.7
Nebraska.....	w	w	w	w
North Dakota.....	w	w	w	w
South Dakota.....	24	28	30	-19.1
South Atlantic Total	w	w	w	w
Delaware.....	w	w	w	w
District of Columbia.....	—	—	—	—
Florida.....	98	93	85	16.2
Georgia.....	133	122	132	.5
Maryland.....	25	26	22	14.0
North Carolina.....	149	138	130	14.4
South Carolina.....	191	212	152	26.1
Virginia.....	155	131	128	20.7
West Virginia.....	135	127	137	-1.1
East South Central Total	w	w	w	w
Alabama.....	170	169	170	.2
Kentucky.....	82	75	104	-21.0
Mississippi.....	w	w	w	w
Tennessee.....	245	231	208	18.0
West South Central Total	241	335	350	-31.2
Arkansas.....	14	18	24	-41.3
Louisiana.....	w	w	w	w
Oklahoma.....	w	w	w	w
Texas.....	166	194	197	-15.8
Mountain Total	323	258	329	-1.8
Arizona.....	31	35	43	-28.4
Colorado.....	12	13	24	-51.8
Idaho.....	w	w	w	w
Montana.....	w	w	w	w
Nevada.....	w	w	w	w
New Mexico.....	w	w	w	w
Utah.....	3	4	3	5.2
Wyoming.....	67	81	72	-6.9
Pacific Total	158	211	188	-16.1
Alaska.....	w	w	w	w
California.....	88	125	134	-34.6
Hawaii.....	w	w	w	w
Oregon.....	w	w	w	w
Washington.....	9	23	9	-4.0
U.S. Total	5,336	4,749	5,301	.7

^w Withheld to avoid disclosure of individual company data.

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

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

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

SIC Code	September 30, 1997	June 30, 1997	September 30, 1996	Percent Difference September 30: 1997 versus 1996
20 Food and kindred products.....	805	608	974	-17.3
21 Tobacco products.....	27	24	24	13.9
22 Textile mill products.....	99	87	92	7.9
23 Apparel, other textile products.....	w	w	w	w
24 Lumber and wood products.....	w	w	w	w
25 Furniture and fixtures.....	27	13	26	3.3
26 Paper and allied products.....	1,014	853	975	4.0
27 Printing and publishing.....	w	w	w	w
28 Chemicals, allied products.....	809	869	784	3.1
29 Petroleum and coal products ¹	100	71	70	43.9
30 Rubber, misc. plastic products.....	11	11	10	12.0
31 Leather, leather products.....	w	w	w	w
32 Stone, clay, glass products.....	1,480	1,401	1,560	-5.1
33 Primary metal industries ²	725	638	527	37.5
34 Fabricated metal products.....	38	31	36	8.0
35 Machinery, except electric.....	61	28	61	-8
36 Electric, electronic equipment.....	w	w	w	w
37 Transportation equipment.....	75	67	87	-13.4
38 Instruments, related products.....	w	w	w	w
39 Misc. manufacturing industries.....	w	w	w	w
U.S. Total.....	5,336	4,749	5,301	.7

¹ Includes coal gasification projects.

² Excludes coke plants.

^w Withheld to avoid disclosure of individual company data.

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

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

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

	September 30, 1997	June 30, 1997	September 30, 1996	Percent Difference September 30: 1997 versus 1996
Coke Total.....	1,647	1,537	1,158	42.2
By State				
Alabama.....	153	151	116	31.8
Illinois.....	w	w	w	w
Indiana.....	362	301	387	-6.6
Kentucky.....	w	w	w	w
Michigan.....	w	w	w	w
New York.....	w	w	w	w
Ohio.....	68	56	22	211.4
Pennsylvania.....	187	161	293	-36.2
Utah.....	w	w	w	w
Virginia.....	w	w	w	w
West Virginia.....	w	w	w	w
By Plant Type				
Merchant Coke Plants.....	174	181	142	22.4
Furnace Coke Plants.....	1,473	1,356	1,016	45.0
Breeze Total.....	129	132	126	2.3

^w Withheld to avoid disclosure of individual company data.

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

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

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

Coal-Producing State	September 30, 1997	June 30, 1997	September 30, 1996	Percent Difference September 30: 1997 versus 1996
Alabama.....	901	1,417	1,218	-26.0
Alaska.....	9	10	15	-37.8
Arizona.....	2,885	2,840	2,231	29.3
Arkansas.....	3	3	3	6.8
Colorado.....	2,054	1,785	1,295	58.6
Illinois.....	1,490	1,905	1,348	10.5
Indiana.....	781	950	690	13.3
Kansas.....	-	14	17	-
Kentucky Total.....	7,260	7,705	4,213	72.3
Eastern.....	6,338	7,188	3,292	92.5
Western.....	922	518	921	.1
Louisiana.....	161	233	123	30.4
Maryland.....	289	180	283	2.1
Missouri.....	-	*	2	-
Montana.....	802	890	575	39.4
New Mexico.....	1,683	1,232	2,876	-41.5
North Dakota.....	2,071	1,907	1,738	19.2
Ohio.....	686	616	698	-1.7
Oklahoma.....	-	-	11	-
Pennsylvania Total.....	2,003	3,836	2,488	-19.5
Anthracite.....	259	290	412	-37.1
Bituminous.....	1,744	3,546	2,076	-16.0
Tennessee.....	58	60	22	166.8
Texas.....	1,832	2,073	1,341	36.6
Utah.....	2,016	1,880	1,478	36.4
Virginia.....	2,103	2,657	4,577	-54.1
Washington.....	1	*	*	300.0
West Virginia Total.....	8,261	8,854	4,929	67.6
Northern.....	1,293	1,464	747	73.2
Southern.....	6,967	7,390	4,182	66.6
Wyoming.....	1,763	1,481	1,608	9.7
Appalachian Total.....	20,636	24,808	17,505	17.9
Interior Total.....	5,190	5,695	4,458	16.4
Western Total.....	13,285	12,025	11,817	12.4
East of the Miss. River.....	23,830	28,180	20,465	16.4
West of the Miss. River.....	15,281	14,348	13,315	14.8
U.S. Total.....	39,111	42,529	33,780	15.8

* Rounded to zero.

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

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

Appendix A

U.S. Coal Imports

Appendix A

U.S. Coal Imports

For the period July through September 1997, U.S. coal totaled 2.2 million short tons, 30 percent higher than the previous quarter, and 7.3 percent above the same 3 months in 1996. Higher U.S. demand for coal from Colombia in the third quarter of 1997 was the primary reason for the increase.

U.S. coal imports for the first 9 months of 1997 totaled 5 million short tons, slightly lower than in the corresponding 9 months of 1996. Higher shipments

from Colombia (425 thousand short tons more) were offset by lower shipments from Venezuela (280 thousand short tons less) and Canada (248 thousand short tons less).

Receipts of imported coal at U.S. electric utility plants in the third quarter of 1997 reached 1.6 million short tons, 42 percent above the previous quarter and 12 percent higher than in the third quarter of 1996. Electric utilities reported coal imports of 3.5 million short tons for the first 9 months of 1997, down 3 percent from the corresponding 1996 level. Despite a 17-percent increase in coal receipts from Colombia, a 27-percent drop in coal receipts from Venezuela accounted for most of the decline. Lower receipts of Venezuelan coal were reported for New England Power's Salem Harbor and Brayton Point plants, and Gulf Power's Crist plant.

The value of coal imports for the third quarter of 1997 reached \$75 million, based on an average price of \$33.69 per short tons. Coal imports for the first 9 months of 1997 were valued at \$180 million based on an average price of \$34.24 per short tons.

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	3,390	\$33.12
1992.....	679	33.63	1,043	32.96	882	34.43	1,199	33.08	3,803	33.46
1993.....	1,213	30.70	1,093	32.26	2,142	29.52	2,861	28.91	7,309	29.89
1994.....	1,850	28.86	1,577	28.73	2,304	30.92	1,853	31.93	7,584	30.21
1995.....	1,795	32.33	1,609	36.16	1,725	33.61	2,071	34.54	7,201	34.13
1996.....	1,713	33.52	1,552	32.46	2,071	33.19	1,790	34.55	7,126	33.45
1997.....	1,331	33.85	1,708	35.26	2,222	33.69	NA	NA	5,261	34.24

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
Quantity								
1991	31	935	1,881	7	—	535	*	3,390
1992	101	1,021	1,763	253	53	539	72	3,803
1993	100	1,051	4,117	708	—	1,298	34	7,309
1994	92	1,253	3,390	1,130	—	1,531	188	7,584
1995	212	1,320	2,737	1,018	—	1,846	68	7,201
1996								
January - March	78	364	629	248	—	394	*	1,713
April - June	—	331	551	303	—	367	*	1,552
July - September	24	359	804	469	—	411	4	2,071
October - December	63	372	542	515	—	292	6	1,790
Total	165	1,427	2,527	1,535	—	1,463	10	7,126
1997								
January - March	54	181	492	396	—	147	61	1,331
April - June	30	318	875	187	—	290	8	1,708
July - September	—	308	1,042	394	—	455	23	2,222
Total	84	806	2,409	977	—	891	93	5,261
Average Price								
1991	\$37.97	\$25.10	\$32.87	—	—	\$40.87	—	\$32.34
1992	36.07	27.88	32.25	\$40.94	\$47.06	35.61	\$25.72	32.48
1993	31.56	29.02	27.26	42.70	—	28.87	26.22	29.36
1994	30.02	30.61	27.46	33.80	—	32.41	29.33	29.98
1995	30.99	32.59	31.15	35.13	—	35.14	46.29	33.11
1996								
January - March	33.84	28.55	31.15	39.04	—	33.74	22.68	32.60
April - June	—	32.34	30.75	32.83	—	28.06	—	30.76
July - September	32.51	34.53	31.55	29.87	—	30.19	33.92	31.23
October - December	33.22	37.23	32.13	31.42	—	31.97	34.11	32.66
Total	33.41	32.86	31.40	32.45	—	30.97	33.43	31.82
1997								
January - March	33.80	26.87	31.98	31.82	—	31.64	—	31.32
April - June	34.95	39.87	32.64	36.48	—	33.23	—	34.48
July - September	—	37.67	32.38	32.04	—	32.01	49.09	33.02
Total	34.21	36.17	32.39	32.80	—	32.35	49.09	33.08

* Rounded to zero.

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

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

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

Customs District	July - September 1997	April - June 1997	July - September 1996	Year to Date		
				1997	1996	Percent Change
U.S. Total	2,222,154	1,707,583	2,070,562	5,261,127	5,336,165	-1.4
Exporting Country: Australia						
Honolulu, HI.....	-	30,307	23,845	84,458	101,687	-16.9
Total	-	30,307	23,845	84,458	101,687	-16.9
Exporting Country: Canada						
Chicago, IL.....	113,555	92,757	32,378	206,312	181,317	13.8
Detroit, MI.....	95,022	125,882	126,922	226,375	247,118	-8.4
Duluth, MN.....	-	-	79,332	416	224,224	-99.8
Great Falls, MT.....	-	281	-	281	25	NM
Pembina, ND.....	84,290	82,918	120,254	314,408	389,083	-19.2
Buffalo, NY.....	22	-	219	22	219	-90.0
Ogdensburg, NY.....	-	-	-	-	50	-
Seattle, WA.....	14,872	15,724	-	58,023	12,126	378.5
Total	307,761	317,562	359,105	805,837	1,054,162	-23.6
Exporting Country: Colombia						
Mobile, AL.....	53,408	34,975	36,248	152,273	129,364	17.7
Tampa, FL.....	457,792	425,655	508,891	1,022,346	1,102,493	-7.3
Boston, MA.....	387,200	329,688	229,213	915,939	644,837	42.0
Portland, ME.....	28,357	5,622	19,510	62,511	64,134	-2.5
Pembina, ND.....	-	-	26	-	26	-
Buffalo, NY.....	-	-	-	-	31	-
New York City, NY.....	86,804	39,048	-	159,953	-	-
Philadelphia, PA.....	-	-	-	-	27,364	-
San Juan, PR.....	28,473	39,739	10,073	96,226	10,073	NM
Houston-Galveston, TX.....	-	-	-	-	6,022	-
Total	1,042,034	874,727	803,961	2,409,248	1,984,344	21.4
Exporting Country: Indonesia						
Honolulu, HI.....	174,427	118,674	178,030	469,998	469,020	0.2
New Orleans, LA.....	219,944	68,242	291,262	506,995	509,510	-5
Portland, ME.....	-	-	-	-	41,888	-
Total	394,371	186,916	469,292	976,993	1,020,418	-4.3
Exporting Country: Venezuela						
Mobile, AL.....	-	-	-	-	127,703	-
Savannah, GA.....	92,415	43,120	54,673	161,335	118,509	36.1
Boston, MA.....	165,868	67,615	250,378	261,311	757,189	-65.5
Portland, ME.....	36,374	63,636	46,137	158,188	75,032	110.8
New York City, NY.....	92,310	66,459	-	194,037	-	-
Philadelphia, PA.....	44,502	27,226	36,132	71,728	36,132	98.5
San Juan, PR.....	23,168	21,605	23,271	44,773	56,616	-20.9
Total	454,637	289,661	410,591	891,372	1,171,181	-23.9
Other Exporting Countries						
Los Angeles, CA.....	-	-	-	149	-	-
Miami, FL.....	-	13	-	13	-	-
Honolulu, HI.....	-	1	-	1	-	-
New Orleans, LA.....	-	-	-	41,005	-	-
Baltimore, MD.....	-	-	-	-	99	-
Detroit, MI.....	4	-	-	4	-	-
St Louis, MO.....	-	-	1	-	1	-
Buffalo, NY.....	2,393	1,241	1,977	4,872	2,001	143.5
New York City, NY.....	-	-	-	-	65	-
Portland, OR.....	-	6,852	-	13,441	-	-
Houston-Galveston, TX.....	20,457	-	12	32,581	12	NM
Laredo, TX.....	-	-	1,778	353	2,195	-83.9
Norfolk, VA.....	19	-	-	19	-	-
Milwaukee, WI.....	478	303	-	781	-	-
Total	23,351	8,410	3,768	93,219	4,373	NM

NM Changes of 500 percent or more are not shown.

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

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

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

Customs District	July - September 1997	April - June 1997	July - September 1996	Year to Date		
				1997	1996	Percent Change
Total	\$33.02	\$34.48	\$31.23	\$33.08	\$31.54	4.9
Exporting Country: Australia						
Honolulu, HI	–	\$34.95	\$32.51	\$34.21	\$33.52	2.0
Total	–	34.95	32.51	34.21	33.52	2.0
Exporting Country: Canada						
Chicago, IL	\$42.68	\$46.10	–	\$44.52	\$22.38	98.9
Detroit, MI	44.64	43.98	\$44.13	43.72	43.63	.2
Duluth, MN	–	–	–	40.19	48.96	–17.9
Great Falls, MT	–	23.96	–	23.96	–	–
Pembina, ND	23.61	24.03	23.25	25.25	24.48	3.1
Seattle, WA	29.60	28.59	–	28.84	28.18	2.4
Total	37.67	39.87	34.53	36.17	31.52	14.8
Exporting Country: Colombia						
Mobile, AL	\$28.96	\$29.13	\$28.92	\$29.09	\$28.18	3.2
Tampa, FL	31.83	32.11	31.95	31.95	32.06	–4
Boston, MA	33.24	32.71	31.04	32.89	29.81	10.3
Portland, ME	23.60	34.31	–	24.56	33.76	–27.3
New York City, NY	36.17	37.41	–	36.62	–	–
Philadelphia, PA	–	–	–	–	37.73	–
San Juan, PR	32.93	35.98	32.30	35.60	32.30	10.2
Houston-Galveston, TX	–	–	–	–	34.47	–
Total	32.38	32.64	31.55	32.39	31.20	3.8
Exporting Country: Indonesia						
Honolulu, HI	\$42.93	\$43.99	\$43.85	\$43.27	\$43.58	–0.7
New Orleans, LA	23.41	23.41	21.32	23.10	22.40	3.1
Portland, ME	–	–	–	–	42.91	–
Total	32.04	36.48	29.87	32.80	32.98	–5
Exporting Country: Venezuela						
Mobile, AL	–	–	–	–	\$40.79	–
Savannah, GA	\$23.07	\$20.39	\$20.39	\$21.92	22.01	–0.4
Boston, MA	35.89	34.82	30.73	35.30	30.11	17.3
Portland, ME	30.36	33.88	30.81	32.77	28.03	16.9
New York City, NY	36.14	37.42	–	36.64	–	–
Philadelphia, PA	29.06	38.63	39.11	32.69	39.11	–16.4
San Juan, PR	31.75	32.30	32.30	32.01	32.65	–1.9
Total	32.01	33.23	30.19	32.35	30.72	5.3
Other Exporting Countries						
Houston-Galveston, TX	\$49.09	–	–	\$49.09	–	–
Laredo, TX	–	–	\$33.92	–	\$31.72	–
Total	49.09	–	33.92	49.09	31.72	54.8

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

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

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

Company and Plant	July - September 1997	April - June 1997	July - September 1996	Year to Date		
				1997	1996	Percent Change
U.S. Total	1,611,562	1,138,848	1,434,883	3,474,358	3,583,112	-3.0
Exporting Country: Canada						
Takoma Dept. of Public Utilities, Steam No.2	5,220	-	-	9,590	11,530	-16.8
Total	5,220	-	-	9,590	11,530	-16.8
Exporting Country: Colombia						
Jacksonville Electric Authority, St Johns River	432,460	425,690	564,730	997,070	1,100,300	-9.4
New England Power (NEES), Brayton Point.....	275,300	159,300	101,900	546,700	330,800	65.3
New England Power (NEES), Salem Harbor.....	132,900	153,900	45,600	372,400	177,500	109.8
Public Serv Co of New Hampshire, Schiller	-	-	-	-	32,325	-
Total	840,660	738,890	712,230	1,916,170	1,640,925	16.8
Exporting Country: Indonesia						
Tampa Electric, Davant Transfer.....	219,942	68,241	291,259	506,990	509,496	-0.5
Total	219,942	68,241	291,259	506,990	509,496	-5
Exporting Country: Venezuela						
Central Hudson Gas & Electric, Danskammer	168,200	88,350	-	325,950	-	-
Gulf Power, Crist.....	-	-	-	-	205,950	-
Gulf Power, Smith.....	-	-	-	-	92,250	-
New England Power (NEES), Brayton Point.....	110,700	83,900	188,300	222,400	471,100	-52.8
New England Power (NEES), Salem Harbor.....	-	-	137,100	-	414,700	-
Public Serv Co of New Hampshire, Schiller	101,550	98,887	27,254	228,969	27,254	NM
Savannah Electric and Power, Port Wentworth	130,290	60,580	78,740	229,289	209,907	9.2
United Illuminating Co, Bridgeport Harbor	35,000	-	-	35,000	-	-
Total	545,740	331,717	431,394	1,041,608	1,421,161	-26.7

NM Not meaningful.

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

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

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

Exporting Country and Time Period	Quantity (thousand short tons)	Average Quality ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Company and Plant: Baltimore Gas and Electric, Brandon Shores						
Colombia						
1993.....	224.0	12,354	0.64	6.32	149.8	37.02
1994.....	88.0	12,379	.66	7.36	147.3	36.46
Company and Plant: Cajun Electric Power Coop, Big Cajun No. 2						
Indonesia						
1994.....	169.2	9,702	0.10	1.20	166.8	32.36
Company and Plant: Carolina Power and Light, Sutton						
Colombia						
1994.....	26.6	12,200	0.70	9.00	145.5	35.50
Company and Plant: Central Hudson Gas & Electric, Danskammer						
Venezuela						
1995.....	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
July - September.....	168.2	13,045	.66	6.90	173.6	45.31
Total.....	325.9	13,175	.65	6.39	174.0	45.85
Company and Plant: Central Power and Light (CSW), Coletto Creek						
Colombia						
1992.....	37.2	12,892	0.62	7.90	174.5	44.99
1993.....	122.5	12,109	.60	5.90	148.5	35.98
1994.....	153.4	11,929	.55	5.03	148.9	35.51
Venezuela						
1992.....	42.5	13,214	.66	7.20	175.8	46.46
Company and Plant: Delmarva Power & Light, Edgemoor						
Colombia						
1994.....	22.0	12,370	0.58	5.98	168.2	41.61
Company and Plant: Delmarva Power and Light, Indian River						
Colombia						
1995.....	7.1	13,141	0.75	7.07	180.3	47.39
Company and Plant: Detroit Edison Co, River Rouge						
Canada						
1994.....	57.0	11,005	0.23	10.28	149.9	32.99
Company and Plant: Florida Power Corp, IMT Transfer						
Venezuela						
1994.....	84.4	12,778	0.64	6.50	156.3	39.93
Company and Plant: Gulf Power, Crist						
Colombia						
1993.....	280.2	11,983	0.59	5.53	188.5	45.18
1994.....	29.8	12,239	.59	5.30	160.9	39.38

See footnotes at the end of Table A6.

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

Exporting Country and Time Period	Quantity (thousand short tons)	Average Quality ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Company and Plant: Gulf Power, Crist						
Venezuela						
1993.....	234.8	12,992	0.59	6.11	172.2	44.75
1994.....	283.4	12,252	1.03	6.28	216.9	53.15
1995.....	776.7	12,363	.92	6.29	230.9	57.09
1996						
January - March.....	143.8	12,242	.94	6.06	231.6	56.70
April - June.....	62.1	12,181	.98	5.52	228.2	55.60
Total.....	205.9	12,224	.95	5.90	230.6	56.37
Company and Plant: Gulf Power, Scholtz						
Colombia						
1993.....	7.5	12,170	0.62	7.50	164.4	40.01
Venezuela						
1993.....	16.0	12,958	.58	6.10	170.6	44.20
Company and Plant: Gulf Power, Smith						
Colombia						
1993.....	198.2	11,823	0.61	5.96	184.6	43.65
1994.....	286.6	12,299	.61	4.17	172.3	42.39
South Africa						
1994.....	127.3	11,318	.65	12.60	181.1	41.00
Venezuela						
1994.....	53.8	12,272	.96	6.52	229.1	56.24
1995.....	114.6	12,202	1.00	6.52	236.1	57.63
1996						
January - March.....	83.0	12,193	.96	5.98	234.9	57.28
April - June.....	9.3	11,978	1.26	6.50	232.8	55.77
Total.....	92.2	12,171	.99	6.03	234.7	57.13
Company and Plant: Holyoke Water Power (NU), Mount Tom						
Indonesia						
1994.....	7.9	12,651	0.43	3.30	195.4	49.44
Company and Plant: Jacksonville Electric Authority, St Johns River						
Colombia						
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
1996						
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
Total.....	1,417.2	11,810	.66	7.71	152.9	36.11
1997						
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
July - September.....	432.5	11,913	.98	7.27	148.4	35.35
Total.....	997.1	11,855	.83	7.37	150.2	35.60
Venezuela						
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 ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Company and Plant: Mississippi Power (Southern Co), Daniel						
Indonesia						
1993.....	67.5	9,745	0.08	1.23	168.9	32.92
Company and Plant: New England Power (NEES), Brayton Point						
Colombia						
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
1996						
January - March.....	104.1	11,740	.64	5.45	156.7	36.80
April - June.....	124.8	12,138	.58	5.50	172.2	41.80
July - September.....	101.9	12,095	.55	5.59	168.0	40.63
October - December.....	96.7	12,063	.58	5.57	174.1	42.02
Total.....	427.5	12,014	.59	5.52	168.0	40.35
1997						
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
July - September.....	275.3	12,093	.63	5.54	158.6	38.35
Total.....	546.7	12,108	.63	5.82	161.7	39.16
Venezuela						
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
1996						
January - March.....	40.7	12,958	.75	7.30	158.6	41.11
April - June.....	242.1	12,800	.67	6.31	154.9	39.65
July - September.....	188.3	13,128	.64	5.85	173.4	45.52
October - December.....	101.3	12,901	.67	6.64	160.8	41.49
Total.....	572.4	12,937	.67	6.29	162.4	42.01
1997						
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
July - September.....	110.7	13,203	.65	5.58	164.6	43.47
Total.....	222.4	13,115	.69	6.19	163.9	43.00
Company and Plant: New England Power (NEES), Salem Harbor						
Canada						
1992.....	32.8	13,569	1.40	3.82	174.9	47.46
Colombia						
1994.....	84.2	12,017	.57	6.07	159.9	38.44
1995.....	250.1	12,166	.60	5.26	147.9	35.99
1996						
January - March.....	88.0	12,148	.58	5.62	146.7	35.63
April - June.....	43.9	12,095	.60	5.59	146.7	35.49
July - September.....	45.6	12,041	.58	6.60	146.8	35.35
October - December.....	25.4	11,802	.49	5.11	161.9	38.21
Total.....	202.9	12,069	.57	5.77	148.6	35.86
1997						
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
July - September.....	132.9	12,120	.60	5.85	184.8	44.80
Total.....	372.4	12,103	.63	6.19	169.3	40.98
Venezuela						
1992.....	34.8	12,893	.58	7.02	145.3	37.47
1993.....	236.2	12,921	.57	6.65	162.5	41.99
1994.....	565.5	12,678	.64	6.49	159.6	40.47
1995.....	393.1	12,846	.65	6.34	162.4	41.72

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 ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Company and Plant: New England Power (NEES), Salem Harbor						
Venezuela						
1996						
January - March.....	150.9	12,856	0.72	6.25	153.4	39.43
April - June.....	126.7	12,784	.71	6.02	169.3	43.29
July - September.....	137.1	13,027	.69	5.98	154.2	40.17
October - December.....	148.4	12,732	.66	6.38	147.1	37.45
Total.....	563.1	12,849	.70	6.17	155.5	39.96
Company and Plant: Ohio Edison, Burger Plant						
Indonesia						
1992.....	13.1	9,587	0.14	1.20	166.9	32.00
Company and Plant: Public Serv Co of Indiana, Gallagher						
Indonesia						
1993.....	11.1	9,242	0.13	1.35	104.8	19.38
Company and Plant: Public Serv Co of New Hampshire, Merrimack						
Colombia						
1995.....	11.5	11,578	0.53	3.80	192.9	44.67
Indonesia						
1993.....	21.2	12,620	.49	3.80	186.5	47.07
Venezuela						
1993.....	24.9	12,920	.58	6.00	163.2	42.17
1996						
October - December.....	39.9	12,370	.39	3.70	213.2	52.75
Total.....	39.9	12,370	.39	3.70	213.2	52.75
Company and Plant: Public Serv Co of New Hampshire, Schiller						
Colombia						
1992.....	48.4	12,428	0.61	6.31	157.2	39.08
1993.....	52.1	12,861	.64	7.49	150.0	38.59
1994.....	163.3	12,505	.62	5.55	135.5	33.89
1995.....	122.9	12,733	.62	6.70	160.0	40.73
1996						
January - March.....	32.3	12,169	.66	5.68	161.9	39.41
Total.....	32.3	12,169	.66	5.68	161.9	39.41
Indonesia						
1993.....	16.0	12,620	.49	3.80	161.3	40.71
1994.....	113.0	12,360	.53	3.58	158.7	39.23
1995.....	79.7	12,300	.52	4.56	167.8	41.28
1996						
October - December.....	25.9	12,412	.72	8.20	161.9	40.19
Total.....	25.9	12,412	.72	8.20	161.9	40.19
Venezuela						
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
Total.....	56.1	13,061	.67	6.04	159.8	41.75

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 ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Company and Plant: Public Serv Co of New Hampshire, Schiller						
Venezuela						
1997						
January - March.....	28.5	11,669	0.88	7.90	160.0	37.34
April - June.....	98.9	12,707	.66	5.50	161.9	41.15
July - September.....	101.5	11,893	.63	6.24	159.7	38.00
Total.....	229.0	12,217	.67	6.13	160.7	39.27
Company and Plant: Public Serv Electric & Gas-NJ, Hudson						
Colombia						
1994.....						
	22.5	12,870	0.68	6.90	166.9	42.96
Company and Plant: Savannah Electric and Power, Port Wentworth						
Colombia						
1994.....						
	11.9	11,235	0.69	5.87	214.1	48.12
Venezuela						
1994.....						
	16.8	12,575	1.12	8.60	168.0	42.25
1996						
January - March.....	28.3	12,303	1.07	5.90	193.2	47.54
April - June.....	102.9	12,320	.98	5.46	141.5	34.86
July - September.....	78.7	11,855	1.21	8.63	153.1	36.30
Total.....	209.9	12,143	1.08	6.71	152.8	37.11
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
July - September.....	130.3	12,115	1.20	7.64	139.0	33.67
Total.....	229.3	12,008	1.37	7.88	138.4	33.23
Company and Plant: Takoma Dept. of Public Utilities, Steam No.2						
Canada						
1991.....						
	26.9	9,994	0.46	12.76	209.2	41.82
1992.....						
	15.3	9,993	.42	12.95	214.7	42.90
1993.....						
	29.2	10,036	.48	12.60	179.5	36.03
1994.....						
	6.3	9,806	.48	12.80	178.0	34.91
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
Total.....	18.0	9,861	.44	12.97	174.6	34.44
1997						
January - March.....	4.4	9,979	.36	12.97	176.0	35.13
July - September.....	5.2	10,283	.48	11.65	171.0	35.17
Total.....	9.6	10,144	.43	12.25	173.2	35.15
Company and Plant: Tampa Electric, Big Bend²						
Indonesia						
1991.....						
	24.3	9,815	0.07	1.20	227.3	44.62
Company and Plant: Tampa Electric, Davant Transfer						
Colombia						
1993.....						
	222.2	10,844	0.62	7.63	166.6	36.13
Indonesia						
1994.....						
	147.2	9,871	.09	1.10	143.0	28.24
1995.....						
	348.9	9,696	.31	1.16	143.8	27.88

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 ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Company and Plant: Tampa Electric, Davant Transfer						
Indonesia						
1996						
January - March.....	77.2	9,813	0.11	1.30	149.7	29.38
April - June.....	141.1	9,737	.44	1.40	149.7	29.15
July - September.....	291.3	9,516	.17	1.48	149.7	28.49
October - December.....	298.3	9,713	.40	1.55	149.7	29.08
Total.....	807.8	9,655	.29	1.48	149.7	28.91
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
July - September.....	219.9	9,736	.35	1.20	163.3	31.80
Total.....	507.0	9,598	.36	1.44	162.5	31.18
Venezuela						
1993.....	61.4	11,056	1.48	9.78	220.7	48.80
Company and Plant: United Illuminating Co, Bridgeport Harbor						
Venezuela						
1996						
October - December.....	28.0	13,174	0.61	4.10	185.0	48.74
Total.....	28.0	13,174	.61	4.10	185.0	48.74
1997						
July - September.....	35.0	13,387	.64	4.30	169.6	45.41
Total.....	35.0	13,387	.64	4.30	169.6	45.41
Total of U.S. Electric Utility Plants						
Canada						
1991.....	26.9	9,994	0.46	12.76	209.2	41.82
1992.....	48.1	12,432	1.09	6.72	185.1	46.01
1993.....	29.2	10,036	.48	12.60	179.5	36.03
1994.....	63.3	10,885	.26	10.53	152.4	33.19
1995.....	23.8	10,066	.47	13.14	166.0	33.42
1996						
April - June.....	11.5	9,892	.44	13.13	174.4	34.51
October - December.....	6.5	9,806	.44	12.68	175.0	34.32
Total.....	18.0	9,861	.44	12.97	174.6	34.44
1997						
January - March.....	4.4	9,979	.36	12.97	176.0	35.13
July - September.....	5.2	10,283	.48	11.65	171.0	35.17
Total.....	9.6	10,144	.43	12.25	173.2	35.15
Colombia						
1991.....	1,582.6	11,978	.73	7.04	153.1	36.68
1992.....	1,504.1	11,938	.70	6.91	150.9	36.04
1993.....	3,585.1	11,867	.66	6.85	149.0	35.37
1994.....	2,971.8	11,997	.66	6.76	142.7	34.25
1995.....	2,040.1	11,985	.65	6.83	153.9	36.89
1996						
January - March.....	528.5	11,882	.63	6.67	153.4	36.46
April - June.....	400.2	11,936	.61	6.84	158.7	37.88
July - September.....	712.2	11,859	.64	7.53	155.0	36.75
October - December.....	439.0	11,873	.66	6.87	157.1	37.30
Total.....	2,079.9	11,883	.64	7.04	155.7	37.01
1997						
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
July - September.....	840.7	12,004	.80	6.48	157.5	37.82
Total.....	1,916.2	11,975	.73	6.70	157.2	37.66
Indonesia						
1991.....	24.3	9,815	.07	1.20	227.3	44.62
1992.....	13.1	9,587	.14	1.20	166.9	32.00
1993.....	115.8	10,620	.22	2.07	166.1	35.29

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 ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Total of U.S. Electric Utility Plants						
Indonesia						
1994.....	437.3	10,499	0.22	1.82	157.4	33.06
1995.....	428.6	10,181	.35	1.79	149.2	30.37
1996						
January - March.....	77.2	9,813	.11	1.30	149.7	29.38
April - June.....	141.1	9,737	.44	1.40	149.7	29.15
July - September.....	291.3	9,516	.17	1.48	149.7	28.49
October - December.....	324.2	9,928	.42	2.08	150.9	29.97
Total.....	833.7	9,741	.31	1.68	150.2	29.26
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
July - September.....	219.9	9,736	.35	1.20	163.3	31.80
Total.....	507.0	9,598	.36	1.44	162.5	31.18
South Africa						
1994.....	127.3	11,318	.65	12.60	181.1	41.00
Venezuela						
1991.....	333.0	13,080	.59	6.54	166.2	43.47
1992.....	240.6	13,206	.69	7.18	164.6	43.49
1993.....	897.5	12,874	.67	6.96	166.4	42.84
1994.....	1,355.2	12,649	.76	6.61	172.3	43.60
1995.....	1,905.7	12,610	.79	6.57	194.1	48.95
1996						
January - March.....	446.7	12,509	.86	6.21	195.8	48.98
April - June.....	543.0	12,621	.78	5.99	165.2	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
Total.....	1,767.6	12,686	.77	6.14	171.7	43.58
1997						
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
July - September.....	545.7	12,662	.78	6.52	161.1	40.80
Total.....	1,041.6	12,702	.82	6.55	161.4	41.00

¹ Data reported on quality of coal as received.

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

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

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

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

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Company and Plant: Baltimore Gas and Electric, Brandon Shores						
1991						
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
Total	2,312.0	12,813	.70	9.20	155.3	39.80
1992						
Kentucky	215.0	12,922	.73	7.38	154.9	40.04
West Virginia.....	2,318.0	12,692	.68	9.92	153.4	38.93
Total	2,533.0	12,711	.68	9.70	153.5	39.03
1993						
Kentucky	841.0	12,940	.70	7.64	158.0	40.89
West Virginia.....	1,583.0	12,700	.67	9.65	154.4	39.21
Colombia.....	224.0	12,354	.64	6.32	149.8	37.02
Total	2,648.0	12,747	.68	8.73	155.2	39.56
1994						
Kentucky	664.0	12,992	.72	7.72	156.5	40.66
Virginia.....	1.0	12,354	.74	9.30	147.2	36.37
West Virginia.....	2,728.0	12,496	.67	10.90	148.9	37.21
Colombia.....	88.0	12,379	.66	7.36	147.3	36.46
Total	3,481.0	12,587	.68	10.20	150.3	37.85
1995						
Kentucky	667.0	13,241	.73	6.41	152.5	40.39
West Virginia.....	2,787.0	12,457	.68	11.05	146.2	36.42
Total	3,454.0	12,608	.69	10.15	147.5	37.19
1996						
Kentucky	611.0	13,080	.74	7.09	150.9	39.48
West Virginia.....	3,254.0	12,437	.68	11.34	142.2	35.37
Total	3,865.0	12,539	.69	10.66	143.6	36.02
1997						
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
Total	697.0	12,590	.68	10.81	142.9	35.98
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
Total	961.0	12,565	.69	10.62	143.1	35.95
July - September						
Kentucky.....	106.0	13,135	.77	6.90	146.8	38.56
West Virginia.....	746.0	12,517	.66	11.41	140.5	35.17
Total	852.0	12,594	.68	10.85	141.3	35.59
Year to Date						
Kentucky.....	337.0	13,082	.75	6.74	147.6	38.63
West Virginia.....	2,173.0	12,504	.67	11.37	141.6	35.40
Total	2,510.0	12,582	.68	10.75	142.4	35.84
Company and Plant: Cajun Electric Power Coop, Big Cajun No. 2						
1991						
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
Total	5,211.8	8,590	.42	5.23	153.0	26.29
1992						
Wyoming.....	5,343.7	8,368	.46	5.30	147.5	24.69
Total	5,343.7	8,368	.46	5.30	147.5	24.69
1993						
Wyoming.....	5,701.1	8,332	.43	5.27	151.9	25.31
Total	5,701.1	8,332	.43	5.27	151.9	25.31
1994						
Colorado.....	37.4	11,957	.45	8.01	156.4	37.40
Wyoming.....	5,588.0	8,442	.36	4.93	152.2	25.70
Indonesia.....	169.2	9,702	.10	1.20	166.8	32.36
Total	5,794.6	8,502	.35	4.84	152.8	25.97
1995						
Wyoming.....	5,844.5	8,469	.35	4.99	157.6	26.69
Total	5,844.5	8,469	.35	4.99	157.6	26.69

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 ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Company and Plant: Cajun Electric Power Coop, Big Cajun No. 2						
1996						
Wyoming.....	5,394.2	8,500	0.41	5.18	161.1	27.38
Total	5,394.2	8,500	.41	5.18	161.1	27.38
1997						
January - March						
Wyoming.....	1,409.0	8,486	.44	5.30	166.8	28.30
Total	1,409.0	8,486	.44	5.30	166.8	28.30
April - June						
Wyoming.....	1,541.5	8,464	.45	5.26	152.9	25.89
Total	1,541.5	8,464	.45	5.26	152.9	25.89
July - September						
Wyoming.....	1,529.0	8,447	.45	5.25	148.7	25.13
Total	1,529.0	8,447	.45	5.25	148.7	25.13
Year to Date						
Wyoming.....	4,479.5	8,465	.45	5.27	155.9	26.39
Total	4,479.5	8,465	.45	5.27	155.9	26.39
Company and Plant: Carolina Power and Light, Sutton						
1991						
Kentucky.....	141.8	12,770	1.00	9.02	192.4	49.13
West Virginia.....	338.2	12,403	.96	12.76	179.4	44.51
Total	480.0	12,512	.98	11.65	183.3	45.87
1992						
Kentucky.....	434.3	12,498	.94	9.57	152.9	38.22
West Virginia.....	332.4	12,354	.90	11.40	157.9	39.02
Total	766.7	12,436	.93	10.36	155.1	38.57
1993						
Kentucky.....	542.1	12,601	1.00	9.14	157.9	39.79
Virginia.....	44.9	12,693	1.13	10.10	177.5	45.06
West Virginia.....	36.5	12,301	.77	10.12	177.3	43.61
Total	623.5	12,590	1.00	9.27	160.4	40.39
1994						
Kentucky.....	373.4	12,646	1.12	9.29	159.5	40.34
Virginia.....	10.0	12,866	1.09	9.06	174.2	44.81
West Virginia.....	161.7	12,458	.88	11.77	170.7	42.54
Colombia.....	26.6	12,200	.70	9.00	145.5	35.50
Total	571.7	12,576	1.03	9.97	162.3	40.82
1995						
Kentucky.....	495.6	12,584	1.00	9.14	150.7	37.93
West Virginia.....	132.3	12,703	.91	9.82	164.4	41.78
Total	627.9	12,609	.98	9.29	153.6	38.74
1996						
Kentucky.....	936.3	12,293	1.01	10.60	150.8	37.07
West Virginia.....	122.2	12,729	.92	10.02	170.6	43.44
Total	1,058.5	12,343	1.00	10.53	153.1	37.80
1997						
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
Total	177.5	12,369	.97	11.28	157.9	39.07
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
Total	216.5	12,412	1.10	10.75	148.1	36.75
July - September						
Kentucky.....	218.6	12,520	1.09	10.55	141.4	35.40
West Virginia.....	34.3	13,034	.97	8.37	168.8	43.99
Total	252.9	12,589	1.07	10.25	145.2	36.57
Year to Date						
Kentucky.....	541.7	12,392	1.07	10.90	145.3	36.02
West Virginia.....	105.2	12,870	.95	9.69	171.0	44.02
Total	646.9	12,470	1.05	10.70	149.6	37.32

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 ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Company and Plant: Central Hudson Gas & Electric, Danskammer						
1991						
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
Total	874.0	13,032	.57	7.97	204.7	53.36
1992						
Kentucky	61.5	12,983	.64	6.62	185.4	48.13
West Virginia	819.9	13,021	.59	7.56	181.8	47.35
Total	881.4	13,018	.59	7.50	182.1	47.40
1993						
West Virginia	693.0	13,097	.62	7.55	184.7	48.38
Total	693.0	13,097	.62	7.55	184.7	48.38
1994						
Kentucky	348.6	12,963	.58	7.93	188.7	48.93
West Virginia	419.7	13,185	.66	7.54	192.5	50.76
Total	768.2	13,084	.62	7.72	190.8	49.93
1995						
Kentucky	308.8	12,859	.59	8.29	193.4	49.74
West Virginia	292.5	13,112	.67	7.87	198.7	52.11
Venezuela	28.2	13,281	.56	7.30	224.1	59.53
Total	629.5	12,995	.62	8.05	197.3	51.28
1996						
Kentucky	462.4	12,822	.65	8.55	193.2	49.55
West Virginia	351.4	13,061	.68	7.86	200.5	52.38
Total	813.8	12,925	.66	8.25	196.4	50.77
1997						
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
Total	195.3	13,156	.63	7.24	179.9	47.32
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
Total	170.4	13,338	.62	6.69	174.0	46.41
July - September						
Kentucky	12.3	12,909	.67	9.30	179.6	46.37
West Virginia	59.4	13,081	.66	7.92	174.4	45.63
Venezuela	168.2	13,045	.66	6.90	173.6	45.31
Total	239.9	13,047	.66	7.27	174.1	45.44
Year to Date						
Kentucky	33.5	12,868	.62	8.98	186.8	48.08
West Virginia	246.2	13,191	.62	7.78	177.0	46.70
Venezuela	325.9	13,175	.65	6.39	174.0	45.85
Total	605.6	13,164	.64	7.10	175.9	46.32
Company and Plant: Central Power and Light (CSW), Coletto Creek						
1991						
Colorado	1,733.6	10,753	0.38	5.99	207.6	44.64
Total	1,733.6	10,753	.38	5.99	207.6	44.64
1992						
Colorado	1,780.7	10,885	.39	6.32	205.0	44.63
Colombia	37.2	12,892	.62	7.90	174.5	44.99
Venezuela	42.5	13,214	.66	7.20	175.8	46.46
Total	1,860.4	10,978	.40	6.37	203.5	44.68
1993						
Colorado	1,778.0	10,577	.40	6.61	203.1	42.96
Colombia	122.5	12,109	.60	5.90	148.5	35.98
Total	1,900.5	10,676	.41	6.56	199.1	42.51
1994						
Colorado	1,664.9	10,760	.41	6.77	199.7	42.98
Colombia	153.4	11,929	.55	5.03	148.9	35.51
Total	1,818.3	10,858	.42	6.63	195.0	42.35
1995						
Colorado	1,724.7	11,092	.42	6.92	169.2	37.53
Wyoming	119.4	8,764	.34	5.20	163.5	28.66
Total	1,844.1	10,941	.41	6.81	168.9	36.95

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 ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Company and Plant: Central Power and Light (CSW), Coletto Creek						
1996						
Colorado.....	1,823.5	10,482	0.39	5.77	133.8	28.06
Wyoming.....	188.0	8,492	.31	5.73	142.9	24.27
Total	2,011.6	10,296	.38	5.77	134.5	27.70
1997						
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
Total	358.2	10,289	.37	5.62	132.2	27.20
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
Total	508.7	9,619	.42	5.61	131.5	25.30
July - September						
Colorado	505.9	10,330	.40	6.49	137.6	28.44
Total	505.9	10,330	.40	6.49	137.6	28.44
Year to Date						
Colorado	1,120.3	10,358	.38	6.12	133.9	27.75
Wyoming.....	252.4	8,713	.47	5.12	134.4	23.41
Total	1,372.7	10,056	.40	5.94	134.0	26.95
Company and Plant: Delmarva Power & Light, Edgemoor						
1991						
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
Total	506.4	13,240	.81	7.90	184.3	48.81
1992						
Virginia	90.2	13,101	.82	8.68	201.3	52.74
West Virginia.....	463.8	13,101	.79	8.64	180.0	47.16
Total	554.0	13,101	.80	8.65	183.4	48.06
1993						
Virginia	192.3	13,209	.86	8.00	200.3	52.90
West Virginia.....	250.2	13,171	.81	8.63	178.0	46.88
Total	442.5	13,188	.83	8.36	187.7	49.50
1994						
Kentucky	7.0	12,991	.57	6.53	165.3	42.95
Maryland.....	13.3	13,070	.74	6.23	168.2	43.97
Virginia	28.6	12,995	.88	8.72	164.7	42.80
West Virginia.....	604.3	13,074	.79	8.74	157.9	41.29
Colombia.....	22.0	12,370	.58	5.98	168.2	41.61
Total	675.2	13,046	.78	8.58	158.8	41.44
1995						
Maryland.....	37.9	12,867	.76	9.73	161.6	41.59
Pennsylvania .....	.6	12,431	.82	10.42	154.7	38.46
West Virginia.....	432.6	12,988	.78	9.04	162.9	42.31
Total	471.1	12,978	.78	9.10	162.8	42.25
1996						
Maryland.....	14.7	12,868	.69	10.30	161.0	41.43
Pennsylvania .....	.1	12,559	.82	10.42	153.1	38.46
West Virginia.....	487.3	12,887	.77	9.67	160.2	41.28
Total	502.0	12,886	.76	9.69	160.2	41.29
1997						
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
Total	153.1	12,710	.75	10.63	163.2	41.48
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
Total	97.1	12,942	.81	9.11	157.4	40.75
July - September						
Pennsylvania.....	5.9	10,739	.63	12.62	151.1	32.45
Virginia	34.4	13,139	.87	9.50	155.9	40.98
West Virginia.....	99.7	12,848	.76	10.10	160.3	41.18
Total	140.1	12,830	.78	10.06	158.8	40.76

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 ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Company and Plant: Delmarva Power & Light, Edgemoor						
1997						
Year to Date						
Pennsylvania	13.3	10,744	0.56	11.24	151.1	32.46
Virginia	110.0	13,153	.87	9.13	157.4	41.39
West Virginia	267.0	12,773	.75	10.37	161.8	41.32
Total	390.2	12,811	.78	10.05	160.2	41.04
Company and Plant: Delmarva Power and Light, Indian River						
1991						
Maryland	15.1	13,150	1.59	10.50	141.0	37.08
Pennsylvania	389.5	12,999	1.43	9.21	167.3	43.49
Virginia	61.0	13,029	1.23	8.82	204.5	53.28
West Virginia	1,030.5	12,981	.84	8.80	178.2	46.26
Total	1,496.0	12,990	1.02	8.92	176.0	45.73
1992						
Pennsylvania	137.4	13,104	1.40	9.31	177.9	46.62
West Virginia	840.2	13,034	1.12	8.88	166.1	43.29
Total	977.6	13,044	1.16	8.94	167.7	43.76
1993						
Maryland	45.1	12,966	1.29	9.49	160.4	41.59
Pennsylvania	216.3	12,971	1.32	9.58	164.2	42.60
Virginia	14.0	13,273	.77	6.90	188.2	49.96
West Virginia	1,290.6	12,980	.90	9.25	163.3	42.40
Total	1,565.9	12,981	.97	9.28	163.6	42.48
1994						
Kentucky	29.4	12,899	.59	6.90	179.3	46.25
Maryland	125.0	13,164	1.44	10.23	147.9	38.95
Pennsylvania	251.2	13,004	1.29	8.96	161.1	41.89
Virginia	56.5	13,125	.76	7.30	180.8	47.45
West Virginia	1,146.2	12,858	.88	9.45	164.4	42.27
Total	1,608.3	12,915	.98	9.31	163.4	42.21
1995						
Maryland	227.9	13,155	1.38	9.89	149.3	39.29
Pennsylvania	352.3	13,227	1.44	6.90	148.8	39.37
Virginia	23.2	13,382	1.46	6.53	143.0	38.28
West Virginia	638.7	13,050	.76	8.71	172.6	45.04
Colombia	7.1	13,141	.75	7.07	180.3	47.39
Total	1,249.2	13,126	1.08	8.36	161.1	42.28
1996						
Maryland	262.5	13,158	1.41	9.26	149.7	39.38
Pennsylvania	390.6	13,271	1.44	6.73	146.3	38.84
West Virginia	589.8	12,907	.76	8.99	172.1	44.42
Total	1,242.9	13,074	1.11	8.33	159.1	41.60
1997						
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
Total	257.3	13,141	.89	7.97	164.8	43.32
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
Total	360.9	13,149	1.04	8.09	157.4	41.38
July - September						
Maryland	60.6	13,275	1.47	9.02	147.8	39.24
Pennsylvania	146.4	13,267	1.37	7.19	141.1	37.43
West Virginia	104.7	12,847	.71	9.74	171.2	43.99
Total	311.7	13,127	1.17	8.40	152.3	39.99
Year to Date						
Maryland	99.8	13,186	1.45	9.07	148.1	39.06
Pennsylvania	356.2	13,283	1.37	7.18	141.3	37.53
West Virginia	474.0	13,022	.70	8.71	172.4	44.90
Total	930.0	13,140	1.04	8.16	157.7	41.45

See footnotes at the end of Table A7.

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

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Company and Plant: Detroit Edison Co, River Rouge						
1991						
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
Total	1,031.0	12,260	.66	10.06	159.7	39.16
1992						
Kentucky	62.0	12,795	.80	8.07	194.5	49.77
West Virginia	697.0	12,570	.68	11.04	156.1	39.24
Wyoming	209.0	8,720	.24	4.80	105.3	18.37
Total	968.0	11,753	.59	9.50	150.6	35.41
1993						
Colorado	11.0	11,620	.53	8.80	147.6	34.30
Kentucky	359.0	12,638	.87	8.49	175.7	44.42
Virginia	10.0	13,583	.81	5.40	200.3	54.41
West Virginia	479.0	12,457	.72	11.64	155.2	38.67
Wyoming	399.0	8,752	.25	4.91	104.0	18.21
Total	1,258.0	11,335	.61	8.53	149.6	33.91
1994						
Colorado	21.0	11,838	.48	8.38	146.2	34.61
Kentucky	246.0	12,658	.81	8.22	178.4	45.17
West Virginia	630.0	12,446	.72	11.76	161.8	40.28
Wyoming	317.0	8,784	.27	5.09	106.1	18.64
Canada	57.0	11,005	.23	10.28	149.9	32.99
Total	1,271.0	11,499	.60	9.29	154.0	35.41
1995						
Colorado	44.0	11,818	.48	8.10	149.3	35.29
Kentucky	220.0	12,840	.72	7.59	170.2	43.70
West Virginia	412.0	12,292	.78	12.35	154.3	37.93
Wyoming	614.0	8,766	.26	5.11	105.6	18.51
Total	1,290.0	10,691	.51	7.95	138.4	29.58
1996						
Kentucky	351.0	12,742	.82	8.24	159.6	40.67
West Virginia	332.0	12,176	.85	13.10	141.2	34.40
Wyoming	638.0	8,783	.26	4.94	104.4	18.34
Total	1,321.0	10,688	.56	7.87	132.4	28.31
1997						
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
Total	320.0	10,603	.56	8.47	131.0	27.77
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
Total	297.0	10,814	.61	8.71	134.4	29.08
July - September						
Kentucky	130.0	12,914	.85	8.20	139.2	35.94
West Virginia	42.0	12,106	.79	12.15	141.5	34.26
Wyoming	180.0	8,810	.29	4.85	101.5	17.88
Total	352.0	10,719	.56	6.95	123.6	26.51
Year to Date						
Kentucky	269.0	12,770	.83	8.57	147.3	37.62
West Virginia	238.0	12,093	.85	13.37	143.5	34.71
Wyoming	462.0	8,797	.28	4.89	104.2	18.34
Total	969.0	10,710	.57	7.99	129.4	27.71
Company and Plant: Florida Power Corp, IMT Transfer						
1992						
Kentucky	1,183.1	12,423	0.86	8.98	170.0	42.23
West Virginia	195.7	12,633	.80	9.90	167.1	42.23
Total	1,378.8	12,452	.85	9.11	169.6	42.23
1993						
Kentucky	612.5	12,469	.86	9.30	167.3	41.72
West Virginia	383.9	12,568	.69	9.19	168.6	42.38
Total	996.4	12,507	.79	9.26	167.8	41.98

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 ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Company and Plant: Florida Power Corp, IMT Transfer						
1994						
Kentucky	677.2	12,429	0.83	9.69	181.1	45.01
West Virginia.....	658.5	12,552	.71	9.50	173.0	43.43
Venezuela.....	84.4	12,778	.64	6.50	156.3	39.93
Total	1,420.1	12,507	.77	9.41	175.8	43.97
1995						
Kentucky	739.7	12,496	.75	9.01	170.4	42.59
West Virginia.....	546.2	12,502	.75	9.48	173.9	43.48
Total	1,285.8	12,498	.75	9.21	171.9	42.97
1996						
Kentucky	985.4	12,582	.68	8.63	166.8	41.96
West Virginia.....	969.8	12,571	.70	9.94	174.9	43.97
Total	1,955.2	12,576	.69	9.28	170.8	42.96
1997						
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
Total	457.3	12,468	.68	9.82	176.4	43.98
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
Total	573.9	12,467	.69	9.83	172.3	42.97
July - September						
Kentucky.....	203.0	12,481	.66	9.38	162.5	40.56
West Virginia.....	309.8	12,693	.68	9.93	175.9	44.65
Total	512.8	12,609	.67	9.71	170.6	43.03
Year to Date						
Colorado	14.4	11,131	.60	7.74	182.5	40.63
Kentucky.....	668.6	12,439	.66	9.27	166.7	41.48
West Virginia.....	861.0	12,596	.70	10.22	177.6	44.73
Total	1,544.0	12,514	.68	9.79	173.0	43.29
Company and Plant: Gulf Power, Crist						
1991						
Illinois	1,265.5	11,977	2.68	8.67	205.1	49.12
Kentucky	607.5	12,048	2.81	8.06	129.2	31.13
Total	1,873.0	12,000	2.72	8.47	180.4	43.29
1992						
Alabama	71.9	12,060	2.75	12.94	120.6	29.09
Illinois	1,779.8	11,926	2.70	8.37	180.8	43.12
Kentucky	225.8	12,062	2.73	8.38	121.4	29.28
Total	2,077.5	11,945	2.71	8.53	172.2	41.13
1993						
Alabama	72.3	12,337	2.09	11.73	191.1	47.15
Illinois	1,490.3	11,992	2.59	8.15	176.3	42.27
Kentucky	55.2	12,127	2.79	9.28	123.6	29.98
West Virginia.....	13.1	13,311	2.14	6.16	209.3	55.73
Colombia.....	280.2	11,983	.59	5.53	188.5	45.18
Venezuela.....	234.8	12,992	.59	6.11	172.2	44.75
Total	2,145.9	12,124	2.10	7.72	176.7	42.85
1994						
Alabama	1.5	12,241	2.87	10.00	204.1	49.97
Illinois	1,568.9	11,887	2.15	7.55	173.1	41.16
West Virginia.....	20.7	13,461	1.08	5.40	185.8	50.02
Colombia.....	29.8	12,239	.59	5.30	160.9	39.38
Venezuela.....	283.4	12,252	1.03	6.28	216.9	53.15
Total	1,904.4	11,964	1.95	7.31	179.8	43.02
1995						
Illinois	796.8	12,346	.95	6.34	228.4	56.40
Venezuela.....	776.7	12,363	.92	6.29	230.9	57.09
Total	1,573.6	12,354	.93	6.31	229.6	56.74
1996						
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
Total	1,471.4	12,138	1.08	6.25	224.6	54.52

See footnotes at the end of Table A7.

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

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Company and Plant: Gulf Power, Crist						
1997						
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
Total	326.7	12,026	1.06	7.16	230.2	55.37
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
Total	460.8	12,170	.99	9.11	198.2	48.24
July - September						
Alabama	57.9	11,900	1.14	13.97	174.9	41.62
Illinois	277.7	11,919	.98	7.21	197.5	47.08
Kentucky	29.0	11,980	1.28	11.46	188.3	45.11
West Virginia	123.1	12,349	.95	12.12	199.9	49.37
Total	487.7	12,029	1.01	9.51	194.9	46.89
Year to Date						
Alabama	113.3	12,305	.95	12.08	170.3	41.90
Illinois	841.4	11,995	1.03	6.93	213.4	51.19
Kentucky	94.8	11,968	1.25	11.50	191.9	45.93
West Virginia	225.7	12,323	.90	12.75	198.0	48.80
Total	1,275.2	12,079	1.02	8.76	205.1	49.55
Company and Plant: Gulf Power, Scholtz						
1991						
Kentucky	67.9	12,685	2.86	7.08	151.3	38.39
Total	67.9	12,685	2.86	7.08	151.3	38.39
1992						
Kentucky	31.7	12,192	3.06	8.84	148.7	36.27
Total	31.7	12,192	3.06	8.84	148.7	36.27
1993						
Illinois	8.2	12,061	2.38	7.60	154.1	37.17
Kentucky	47.9	12,057	3.10	8.74	159.5	38.45
Colombia	7.5	12,170	.62	7.50	164.4	40.01
Venezuela	16.0	12,958	.58	6.10	170.6	44.20
Total	79.6	12,249	2.29	7.98	161.7	39.62
1994						
Kentucky	67.1	11,861	3.09	9.35	168.7	40.03
Total	67.1	11,861	3.09	9.35	168.7	40.03
1995						
Kentucky	60.5	12,585	2.74	8.07	152.1	38.28
Total	60.5	12,585	2.74	8.07	152.1	38.28
1996						
Kentucky	78.7	12,008	3.13	9.52	140.1	33.65
Total	78.7	12,008	3.13	9.52	140.1	33.65
1997						
January - March						
Kentucky	15.0	12,241	1.91	9.65	168.8	41.32
Total	15.0	12,241	1.91	9.65	168.8	41.32
April - June						
Kentucky	31.3	12,325	1.96	9.54	164.7	40.59
Total	31.3	12,325	1.96	9.54	164.7	40.59
July - September						
Kentucky	14.8	12,496	.92	8.91	178.8	44.69
Total	14.8	12,496	.92	8.91	178.8	44.69
Year to Date						
Kentucky	61.1	12,346	1.69	9.42	169.1	41.76
Total	61.1	12,346	1.69	9.42	169.1	41.76
Company and Plant: Gulf Power, Smith						
1991						
Illinois	906.3	12,015	2.72	8.66	222.5	53.46
Kentucky	132.5	11,953	2.75	6.12	128.9	30.82
Total	1,038.8	12,007	2.72	8.34	210.6	50.57

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 ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Company and Plant: Gulf Power, Smith						
1992						
Illinois	878.5	11,996	2.80	8.46	222.5	53.39
Kentucky	6.3	11,982	2.54	7.10	129.5	31.03
Total	884.8	11,996	2.80	8.45	221.9	53.23
1993						
Illinois	704.8	11,905	2.18	7.96	179.4	42.71
Kentucky	15.9	12,269	2.96	9.45	121.7	29.85
Colombia.....	198.2	11,823	.61	5.96	184.6	43.65
Total	918.9	11,893	1.85	7.55	179.5	42.69
1994						
Illinois	391.8	12,086	2.11	7.93	160.3	38.76
Kentucky	17.7	11,881	3.22	10.78	140.2	33.31
Colombia.....	286.6	12,299	.61	4.17	172.3	42.39
South Africa.....	127.3	11,318	.65	12.60	181.1	41.00
Venezuela.....	53.8	12,272	.96	6.52	229.1	56.24
Total	877.3	12,051	1.36	7.35	171.1	41.23
1995						
Illinois	981.7	11,728	2.26	8.25	143.5	33.67
Venezuela.....	114.6	12,202	1.00	6.52	236.1	57.63
Total	1,096.4	11,777	2.13	8.07	153.6	36.17
1996						
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
Total	1,088.7	11,851	2.13	7.73	174.5	41.35
1997						
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
Total	202.9	12,014	1.96	7.52	235.2	56.51
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
Total	232.3	11,961	2.82	11.80	173.0	41.38
July - September						
Alabama	22.0	11,286	2.48	14.70	175.5	39.61
Illinois	75.1	11,819	2.86	7.64	177.6	41.98
Kentucky.....	178.5	12,078	2.90	10.43	173.4	41.89
Total	275.6	11,944	2.86	10.01	174.7	41.73
Year to Date						
Alabama	160.1	11,750	2.92	13.92	179.8	42.25
Illinois	259.7	12,030	2.03	7.46	204.8	49.27
Kentucky.....	291.0	12,036	2.90	9.82	185.9	44.75
Total	710.8	11,970	2.59	9.88	191.5	45.84
Company and Plant: Holyoke Water Power (NU), Mount Tom						
1991						
Pennsylvania	400.3	13,137	1.47	6.63	175.5	46.11
Total	400.3	13,137	1.47	6.63	175.5	46.11
1992						
Pennsylvania	354.8	13,234	1.34	6.26	168.2	44.51
West Virginia.....	8.1	12,800	.80	8.50	198.2	50.74
Total	362.9	13,224	1.33	6.31	168.8	44.65
1993						
Kentucky	7.3	13,132	.75	7.50	195.9	51.45
Pennsylvania	299.9	13,201	1.52	6.34	164.7	43.49
West Virginia.....	7.0	13,087	.91	7.60	171.7	44.94
Total	314.2	13,197	1.49	6.39	165.6	43.71
1994						
Kentucky	47.8	12,884	.55	7.74	206.0	53.07
Pennsylvania	289.2	13,171	1.48	6.60	156.8	41.31
Indonesia.....	7.9	12,651	.43	3.30	195.4	49.44
Total	344.9	13,119	1.33	6.68	164.4	43.13

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 ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Company and Plant: Holyoke Water Power (NU), Mount Tom						
1995						
Kentucky	157.3	13,053	0.52	7.40	193.3	50.47
Pennsylvania	212.5	13,227	1.37	7.20	156.9	41.50
Total	369.8	13,153	1.01	7.28	172.3	45.31
1996						
Kentucky	135.8	13,081	.51	7.78	198.3	51.88
Pennsylvania	225.0	13,301	1.38	6.91	159.2	42.35
Virginia	1.9	14,243	.80	5.20	212.3	60.48
West Virginia	8.4	13,227	.64	8.20	189.1	50.02
Total	371.1	13,224	1.04	7.25	174.3	46.10
1997						
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
Total	82.6	13,094	.66	7.63	196.0	51.34
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
Total	125.1	13,284	1.28	7.24	168.5	44.77
July - September						
Kentucky	30.8	13,057	.55	7.63	203.3	53.09
Pennsylvania	62.9	13,210	1.30	7.01	167.4	44.22
Total	93.7	13,160	1.05	7.21	179.1	47.14
Year to Date						
Kentucky	71.6	12,993	.57	7.76	204.4	53.11
Pennsylvania	187.7	13,275	1.31	7.11	166.4	44.19
West Virginia	42.1	13,168	.61	7.66	194.8	51.30
Total	301.4	13,193	1.04	7.34	179.3	47.30
Company and Plant: Jacksonville Electric Authority, St Johns River						
1991						
Kentucky	1,475.3	12,802	1.10	8.96	166.4	42.59
Ohio	240.2	12,530	3.74	9.20	163.8	41.04
West Virginia	643.0	12,102	.85	11.61	200.3	48.47
Colombia	1,582.6	11,978	.73	7.04	153.1	36.68
Venezuela	42.2	12,913	.56	8.90	126.9	32.77
Total	3,983.4	12,346	1.07	8.64	166.0	41.00
1992						
Kentucky	1,563.4	12,831	1.18	8.43	160.2	41.11
West Virginia	642.4	12,063	.82	12.58	199.9	48.22
Colombia	1,418.6	11,897	.71	6.91	150.0	35.70
Total	3,624.4	12,329	.93	8.57	163.2	40.25
1993						
Kentucky	1,300.4	12,802	1.30	8.36	172.0	44.03
West Virginia	243.0	12,049	.75	12.79	187.6	45.21
Colombia	2,291.2	11,849	.68	7.21	136.9	32.44
Total	3,834.6	12,185	.89	7.95	152.6	37.18
1994						
Kentucky	1,106.7	12,775	1.27	8.92	173.2	44.25
West Virginia	595.3	12,193	.82	11.98	185.1	45.14
Colombia	2,032.1	11,883	.69	7.40	135.6	32.22
Total	3,734.1	12,197	.88	8.58	155.2	37.85
1995						
Kentucky	1,695.5	12,605	1.25	9.30	168.0	42.35
West Virginia	645.7	12,143	.88	12.85	188.2	45.70
Colombia	1,340.6	11,826	.67	7.52	151.5	35.82
Total	3,681.8	12,241	.97	9.28	165.7	40.56
1996						
Kentucky	2,239.5	12,742	1.31	9.08	164.4	41.89
West Virginia	133.3	12,384	1.68	11.85	177.2	43.88
Colombia	1,417.2	11,810	.66	7.71	152.9	36.11
Total	3,790.0	12,381	1.08	8.66	160.7	39.80
1997						
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

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 ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Company and Plant: Jacksonville Electric Authority, St Johns River						
1997						
January - March						
Colombia.....	138.9	11,813	0.70	7.30	152.0	35.91
Total	673.0	12,343	1.36	9.58	173.1	42.73
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
Total	869.1	12,187	1.02	9.07	168.2	40.99
July - September						
Kentucky.....	386.2	12,641	1.41	9.97	176.5	44.61
West Virginia	9.8	11,803	.73	12.50	195.0	46.03
Colombia.....	432.5	11,913	.98	7.27	148.4	35.35
Total	828.5	12,251	1.18	8.59	162.4	39.79
Year to Date						
Kentucky.....	1,195.5	12,622	1.50	9.81	177.1	44.71
West Virginia	177.9	12,013	.85	13.35	196.6	47.24
Colombia.....	997.1	11,855	.83	7.37	150.2	35.60
Total	2,370.5	12,254	1.17	9.05	167.6	41.07
Company and Plant: Mississippi Power (Southern Co), Daniel						
1991						
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
Total	1,412.3	12,682	.69	7.16	169.9	43.09
1992						
Kentucky.....	810.6	12,988	.73	7.22	170.0	44.15
Montana	82.2	9,383	.30	4.15	136.0	25.51
Wyoming.....	70.9	8,760	.34	4.92	153.0	26.81
Total	963.7	12,369	.66	6.79	166.9	41.29
1993						
Colorado.....	158.6	11,535	.45	9.58	158.9	36.66
Kentucky.....	774.6	12,881	.70	8.12	173.8	44.78
Montana	177.7	9,425	.39	4.61	159.1	29.99
Indonesia.....	67.5	9,745	.08	1.23	168.9	32.92
Total	1,178.5	11,999	.58	7.39	169.9	40.78
1994						
Colorado.....	715.2	11,072	.43	10.37	159.5	35.31
Kentucky.....	279.3	12,739	.68	9.06	181.7	46.28
Montana	1,288.4	9,402	.40	4.78	138.0	25.96
Total	2,282.8	10,334	.44	7.06	151.8	31.38
1995						
Colorado.....	951.3	11,076	.42	9.89	161.4	35.75
Montana	1,269.5	9,399	.38	4.43	140.0	26.31
Total	2,220.8	10,118	.39	6.77	150.0	30.36
1996						
Colorado.....	507.9	11,397	.46	8.87	159.3	36.32
Montana	2,163.3	9,394	.40	4.48	141.0	26.49
Total	2,671.2	9,774	.41	5.31	145.1	28.36
1997						
January - March						
Montana	749.3	9,394	.39	4.61	141.3	26.54
Total	749.3	9,394	.39	4.61	141.3	26.54
April - June						
Montana	778.9	9,059	.40	4.67	145.3	26.33
Total	778.9	9,059	.40	4.67	145.3	26.33
July - September						
Montana	869.4	9,398	.38	4.50	148.1	27.84
Total	869.4	9,398	.38	4.50	148.1	27.84
Year to Date						
Montana	2,397.6	9,286	.39	4.59	145.1	26.94
Total	2,397.6	9,286	.39	4.59	145.1	26.94

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 ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Company and Plant: New England Power (NEES), Brayton Point						
1991						
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
Virginia	742.1	13,260	1.06	7.23	173.1	45.91
West Virginia.....	1,852.8	13,083	1.20	8.50	170.7	44.66
Venezuela.....	83.7	13,390	.77	7.55	167.3	44.81
Total	2,712.7	13,142	1.15	8.13	171.2	45.00
1992						
Kentucky	10.1	12,934	.63	6.47	170.9	44.21
Virginia	197.9	13,030	1.12	7.64	173.1	45.11
West Virginia.....	2,209.9	13,032	1.11	8.45	168.1	43.81
Venezuela.....	129.0	13,375	.75	7.32	165.2	44.18
Total	2,546.9	13,049	1.09	8.32	168.3	43.94
1993						
Kentucky	68.7	12,641	.54	7.18	167.7	42.39
Maryland.....	1.0	13,161	1.48	10.11	153.6	40.44
West Virginia.....	1,659.3	12,985	1.05	8.54	167.5	43.51
Wyoming.....	7.0	8,889	.30	5.37	174.9	31.09
Colombia.....	187.2	12,144	.64	5.42	178.5	43.35
Venezuela.....	239.9	13,132	.71	7.83	162.5	42.67
Total	2,163.1	12,905	.96	8.14	167.9	43.33
1994						
Kentucky	138.0	12,543	.73	8.18	174.9	43.88
Pennsylvania	119.6	13,049	1.43	6.44	166.4	43.43
West Virginia.....	2,159.0	12,823	.98	8.61	170.6	43.75
Colombia.....	51.3	12,131	.65	5.60	172.2	41.78
Venezuela.....	351.2	12,955	.71	7.03	154.2	39.95
Total	2,819.1	12,822	.95	8.24	168.6	43.24
1995						
Kentucky	144.6	12,644	.73	7.74	171.9	43.47
West Virginia.....	1,491.6	12,687	.71	9.56	171.3	43.46
Colombia.....	307.8	12,218	.60	5.22	164.6	40.23
Venezuela.....	510.6	12,788	.69	7.03	160.0	40.92
Total	2,454.6	12,647	.69	8.38	168.1	42.53
1996						
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
Total	3,147.3	12,547	.68	8.67	170.5	42.77
1997						
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
Total	702.6	12,502	.69	8.73	173.8	43.46
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
Total	829.5	12,580	.71	8.85	168.5	42.38
July - September						
Kentucky.....	48.8	12,835	.71	8.81	155.0	39.80
West Virginia.....	322.8	12,376	.68	11.44	170.1	42.11
Colombia.....	275.3	12,093	.63	5.54	158.6	38.35
Venezuela.....	110.7	13,203	.65	5.58	164.6	43.47
Total	757.6	12,423	.66	8.27	164.2	40.79
Year to Date						
Kentucky.....	373.2	12,714	.71	7.74	175.2	44.54
West Virginia.....	1,147.4	12,506	.70	10.71	170.8	42.71
Colombia.....	546.7	12,108	.63	5.82	161.7	39.16
Venezuela.....	222.4	13,115	.69	6.19	163.9	43.00
Total	2,289.7	12,504	.68	8.62	168.7	42.19

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 ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Company and Plant: New England Power (NEES), Salem Harbor						
1991						
Virginia	120.6	13,938	0.77	4.26	172.1	47.97
West Virginia.....	760.4	13,102	1.44	9.66	171.9	45.05
Total	881.0	13,216	1.35	8.92	172.0	45.45
1992						
Pennsylvania	40.2	13,193	1.26	6.80	162.3	42.82
West Virginia.....	763.1	13,130	1.46	9.47	167.0	43.86
Canada.....	32.8	13,569	1.40	3.82	174.9	47.46
Venezuela.....	34.8	12,893	.58	7.02	145.3	37.47
Total	870.9	13,140	1.41	9.04	166.3	43.70
1993						
Maryland.....	10.1	13,219	1.32	9.76	166.4	43.99
West Virginia.....	532.9	13,013	1.29	9.62	167.2	43.51
Venezuela.....	236.2	12,921	.57	6.65	162.5	41.99
Total	779.2	12,987	1.07	8.72	165.8	43.05
1994						
West Virginia.....	80.0	12,958	.77	8.71	177.5	45.99
Colombia.....	84.2	12,017	.57	6.07	159.9	38.44
Venezuela.....	565.5	12,678	.64	6.49	159.6	40.47
Total	729.7	12,632	.65	6.69	161.6	40.84
1995						
West Virginia.....	117.6	12,643	.68	8.94	183.5	46.41
Colombia.....	250.1	12,166	.60	5.26	147.9	35.99
Venezuela.....	393.1	12,846	.65	6.34	162.4	41.72
Total	760.8	12,591	.64	6.39	161.1	40.56
1996						
Kentucky.....	2.6	12,282	.63	8.35	155.3	38.16
West Virginia.....	157.2	12,727	.70	9.20	176.6	44.95
Colombia.....	202.9	12,069	.57	5.77	148.6	35.86
Venezuela.....	563.1	12,849	.70	6.17	155.5	39.96
Total	925.8	12,656	.67	6.60	157.6	39.90
1997						
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
Total	206.0	12,346	.71	8.85	177.3	43.78
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
Total	194.2	12,189	.63	6.99	156.5	38.15
July - September						
Kentucky.....	39.0	12,617	.60	6.83	180.7	45.61
Colombia.....	132.9	12,120	.60	5.85	184.8	44.80
Total	171.9	12,233	.60	6.07	183.9	44.98
Year to Date						
Kentucky.....	78.5	12,578	.67	8.07	180.2	45.34
West Virginia.....	121.2	12,531	.70	10.61	175.8	44.05
Colombia.....	372.4	12,103	.63	6.19	169.3	40.98
Total	572.1	12,259	.65	7.38	172.2	42.23
Company and Plant: Ohio Edison, Burger Plant						
1991						
Ohio.....	779.1	12,087	3.52	11.21	111.8	27.02
Pennsylvania.....	194.3	12,095	2.64	11.89	153.2	37.06
West Virginia.....	11.6	11,703	3.54	11.84	100.0	23.40
Wyoming.....	12.2	8,570	.44	5.57	132.8	22.77
Total	997.2	12,041	3.31	11.28	119.9	28.88
1992						
Kentucky.....	41.4	12,143	.84	10.37	130.5	31.69
Ohio.....	963.7	12,135	3.62	11.27	104.4	25.35
Pennsylvania.....	128.2	12,070	2.83	11.73	129.8	31.32
Wyoming.....	61.3	8,449	.35	5.48	120.1	20.29
Indonesia.....	13.1	9,587	.14	1.20	166.9	32.00
Total	1,207.7	11,913	3.24	10.88	109.2	26.01

See footnotes at the end of Table A7.

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

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Company and Plant: Ohio Edison, Burger Plant						
1993						
Kentucky	6.1	12,223	0.88	10.70	110.4	26.99
Ohio.....	1,151.5	12,135	3.57	11.37	102.2	24.81
Pennsylvania	99.9	11,842	3.41	11.82	92.0	21.79
Total	1,257.5	12,113	3.55	11.41	101.5	24.58
1994						
Ohio.....	937.8	12,266	3.58	10.63	99.0	24.28
Pennsylvania	63.6	11,942	2.80	11.52	105.5	25.20
West Virginia.....	1.5	11,112	4.48	17.60	112.7	25.05
Total	1,002.9	12,244	3.53	10.69	99.4	24.34
1995						
Ohio.....	225.7	12,444	3.78	10.17	95.2	23.68
Pennsylvania	179.8	12,635	2.41	10.26	93.0	23.49
West Virginia.....	158.1	12,320	2.49	11.49	90.5	22.29
Total	563.6	12,470	2.98	10.57	93.1	23.23
1996						
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
Total	978.5	12,308	3.68	9.70	81.7	20.11
1997						
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
Total	123.3	11,535	3.23	14.14	81.0	18.70
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
Total	250.4	10,893	2.62	18.68	82.2	17.91
July - September						
Kentucky.....	9.3	11,457	.69	12.60	108.9	24.95
Ohio	56.4	11,605	3.26	12.52	95.2	22.10
Pennsylvania.....	38.9	13,000	2.31	8.53	95.3	24.77
West Virginia.....	162.9	11,054	1.33	19.06	91.9	20.31
Total	267.5	11,467	1.86	15.93	93.7	21.50
Year to Date						
Kentucky.....	9.3	11,457	.69	12.60	108.9	24.95
Ohio	115.5	11,710	3.02	12.08	91.1	21.33
Pennsylvania.....	161.4	10,096	2.09	23.04	84.1	16.98
West Virginia.....	355.0	11,630	2.42	15.35	86.0	20.01
Total	641.2	11,256	2.42	16.66	86.9	19.56
Company and Plant: Public Serv Co of Indiana, Gallagher						
1991						
Illinois	29.5	12,829	2.74	8.57	105.1	26.96
Indiana.....	855.6	11,030	2.24	8.31	135.0	29.78
Kentucky	258.4	11,547	2.43	8.63	107.3	24.77
Total	1,143.5	11,193	2.30	8.39	127.6	28.57
1992						
Illinois	51.3	10,841	3.41	7.97	185.5	40.21
Indiana.....	826.6	10,901	2.26	8.78	142.3	31.01
Kentucky	120.1	11,907	1.49	9.48	114.9	27.37
West Virginia.....	146.5	12,744	.77	8.82	115.4	29.41
Total	1,144.5	11,240	2.04	8.82	137.2	30.84
1993						
Illinois	11.8	11,792	1.52	6.70	102.7	24.23
Indiana.....	466.6	10,994	2.12	8.81	137.1	30.14
Kentucky	58.3	11,923	1.70	11.59	122.2	29.13
Pennsylvania	173.7	13,213	2.53	7.34	132.3	34.97
Indonesia.....	11.1	9,242	.13	1.35	104.8	19.38
Total	721.5	11,589	2.14	8.53	133.6	30.96
1994						
Illinois	362.8	11,905	1.53	7.19	130.0	30.96
Indiana.....	326.8	11,062	1.82	8.77	121.5	26.88
Kentucky	304.0	11,849	1.73	11.81	132.6	31.42

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 ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Company and Plant: Public Serv Co of Indiana, Gallagher						
1994						
Pennsylvania	492.1	13,237	2.29	7.59	112.9	29.89
West Virginia	31.9	12,451	1.30	10.41	121.3	30.20
Total	1,517.6	12,155	1.88	8.65	122.6	29.81
1995						
Illinois	445.0	11,913	1.43	7.05	123.4	29.41
Indiana	133.3	11,064	1.31	9.65	116.2	25.72
Pennsylvania	547.4	13,131	2.35	7.97	102.4	26.90
Total	1,125.7	12,405	1.86	7.80	111.9	27.75
1996						
Illinois	376.7	11,970	1.48	6.65	115.5	27.66
Indiana	18.1	11,256	1.58	7.15	97.7	21.99
Kentucky	73.6	12,343	2.15	9.89	108.9	26.89
Pennsylvania	531.6	13,043	2.35	8.06	108.7	28.35
Total	1,000.0	12,555	1.99	7.64	111.0	27.87
1997						
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
Total	218.0	12,678	1.96	7.62	106.4	26.99
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
Total	163.3	13,093	2.33	7.93	103.7	27.17
July - September						
Illinois	47.4	11,937	.96	6.40	132.7	31.68
Kentucky	7.2	11,502	2.25	11.00	117.1	26.94
Pennsylvania	162.0	13,117	2.37	8.13	102.7	26.93
West Virginia	40.6	13,266	2.36	6.98	106.6	28.28
Total	257.2	12,878	2.11	7.71	108.8	28.02
Year to Date						
Illinois	100.5	11,895	1.09	6.66	123.7	29.43
Indiana	3.4	10,904	1.97	8.15	110.9	24.19
Kentucky	17.2	11,889	2.27	10.52	116.2	27.64
Pennsylvania	422.5	13,078	2.32	7.99	102.8	26.89
West Virginia	94.9	13,187	2.25	7.22	105.8	27.90
Total	638.5	12,865	2.12	7.74	106.7	27.45
Company and Plant: Public Serv Co of New Hampshire, Merrimack						
1991						
Pennsylvania	740.1	13,249	1.51	6.57	176.2	46.68
West Virginia	219.6	13,411	2.41	6.82	165.9	44.48
Total	959.7	13,286	1.71	6.63	173.8	46.18
1992						
Pennsylvania	671.5	13,266	1.57	6.30	171.5	45.50
West Virginia	331.8	13,416	2.27	6.94	161.4	43.30
Total	1,003.3	13,316	1.80	6.51	168.1	44.77
1993						
Pennsylvania	661.6	13,240	1.63	6.42	165.9	43.92
West Virginia	388.6	13,225	2.27	7.59	155.3	41.07
Indonesia	21.2	12,620	.49	3.80	186.5	47.07
Venezuela	24.9	12,920	.58	6.00	163.2	42.17
Total	1,096.3	13,216	1.81	6.77	162.4	42.93
1994						
Pennsylvania	706.9	13,176	1.57	6.61	156.5	41.25
West Virginia	272.1	13,253	2.34	7.50	147.8	39.17
Total	979.0	13,197	1.78	6.86	154.1	40.67
1995						
Pennsylvania	759.3	13,203	1.49	6.90	161.1	42.53
Virginia	19.1	13,910	.68	7.00	203.5	56.61
West Virginia	223.3	13,366	2.29	6.28	141.7	37.89
Colombia	11.5	11,578	.53	3.80	192.9	44.67
Total	1,013.2	13,234	1.64	6.73	157.9	41.80

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 ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Company and Plant: Public Serv Co of New Hampshire, Merrimack						
1996						
Pennsylvania	715.4	13,233	1.53	6.72	162.3	42.95
Virginia	16.0	14,085	.74	5.83	199.8	56.30
West Virginia.....	278.0	13,320	2.34	6.64	147.0	39.15
Venezuela.....	39.9	12,370	.39	3.70	213.2	52.75
Total	1,049.3	13,236	1.69	6.57	160.6	42.52
1997						
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
Total	314.0	13,285	1.62	7.03	161.4	42.88
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
Total	256.8	13,286	1.69	6.92	160.1	42.55
July - September						
Pennsylvania	182.2	13,195	1.36	6.66	169.7	44.79
Virginia	9.9	13,759	1.46	5.37	212.5	58.47
West Virginia	84.7	13,316	2.24	7.18	155.8	41.48
Total	276.8	13,252	1.63	6.77	167.0	44.26
Year to Date						
Pennsylvania	607.8	13,235	1.41	6.92	166.7	44.11
Virginia	9.9	13,759	1.46	5.37	212.5	58.47
West Virginia	229.9	13,360	2.28	6.97	150.6	40.25
Total	847.6	13,275	1.65	6.91	162.8	43.23
Company and Plant: Public Serv Co of New Hampshire, Schiller						
1991						
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
Total	324.6	13,132	.58	5.86	176.2	46.28
1992						
Pennsylvania	8.3	13,080	1.46	6.25	173.0	45.26
West Virginia.....	131.9	13,252	.77	6.62	175.2	46.44
Colombia.....	48.4	12,428	.61	6.31	157.2	39.08
Venezuela.....	34.3	12,881	.58	6.76	168.0	43.29
Total	222.9	13,010	.73	6.56	170.3	44.31
1993						
West Virginia.....	57.6	13,238	.75	7.40	171.7	45.45
Colombia.....	52.1	12,861	.64	7.49	150.0	38.59
Indonesia.....	16.0	12,620	.49	3.80	161.3	40.71
Venezuela.....	84.3	12,972	.58	6.08	138.6	35.95
Total	210.1	12,991	.63	6.62	152.3	39.58
1994						
Colombia.....	163.3	12,505	.62	5.55	135.5	33.89
Indonesia.....	113.0	12,360	.53	3.58	158.7	39.23
Total	276.3	12,446	.58	4.74	144.9	36.07
1995						
West Virginia.....	74.1	12,997	.80	8.76	164.3	42.72
Colombia.....	122.9	12,733	.62	6.70	160.0	40.73
Indonesia.....	79.7	12,300	.52	4.56	167.8	41.28
Venezuela.....	82.4	13,044	.71	7.24	156.5	40.84
Total	359.1	12,762	.66	6.77	161.8	41.29
1996						
Kentucky	14.5	12,830	.90	8.40	193.7	49.70
Pennsylvania	44.0	12,708	1.53	13.21	155.8	39.59
West Virginia.....	101.3	12,988	1.38	9.41	157.6	40.95
Colombia.....	32.3	12,169	.66	5.68	161.9	39.41
Indonesia.....	25.9	12,412	.72	8.20	161.9	40.19
Venezuela.....	56.1	13,061	.67	6.04	159.8	41.75
Total	274.2	12,799	1.09	8.72	160.6	41.11
1997						
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
Total	111.0	12,686	1.38	8.24	158.8	40.29

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 ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Company and Plant: Public Serv Co of New Hampshire, Schiller						
1997						
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
Total	113.6	12,754	.75	5.89	161.3	41.16
July - September						
West Virginia	28.3	12,990	1.34	8.22	158.6	41.20
Venezuela	101.5	11,893	.63	6.24	159.7	38.00
Total	129.8	12,132	.79	6.67	159.5	38.69
Year to Date						
Pennsylvania	29.5	13,002	1.75	8.00	159.2	41.40
West Virginia	95.9	13,040	1.41	8.45	158.1	41.24
Venezuela	229.0	12,217	.67	6.13	160.7	39.27
Total	354.4	12,505	.96	6.91	159.9	39.98
Company and Plant: Public Serv Electric & Gas-NJ, Hudson						
1991						
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
Total	511.2	13,043	.80	7.81	184.0	48.01
1992						
Kentucky	189.1	13,197	.83	6.64	183.3	48.38
West Virginia	380.3	13,069	.82	7.36	173.1	45.24
Total	569.4	13,111	.82	7.12	176.5	46.28
1993						
Kentucky	76.0	13,336	.84	6.75	185.7	49.54
West Virginia	362.0	12,930	.81	7.93	188.1	48.65
Total	438.0	13,000	.82	7.73	187.7	48.80
1994						
Kentucky	251.3	13,158	.73	7.48	202.1	53.19
West Virginia	293.6	13,102	.80	7.53	202.5	53.05
Colombia	22.5	12,870	.68	6.90	166.9	42.96
Total	567.4	13,118	.77	7.48	200.9	52.71
1995						
Kentucky	436.3	13,082	.65	6.77	191.2	50.02
West Virginia	252.1	13,070	.83	7.59	179.5	46.93
Total	688.4	13,078	.71	7.07	186.9	48.89
1996						
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
Total	709.6	12,690	.83	9.88	172.4	43.76
1997						
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
Total	180.2	12,779	.78	9.79	169.4	43.29
April - June						
West Virginia	99.9	12,715	.87	10.05	173.5	44.13
Total	99.9	12,715	.87	10.05	173.5	44.13
July - September						
West Virginia	107.2	12,503	.92	11.29	167.5	41.89
Total	107.2	12,503	.92	11.29	167.5	41.89
Year to Date						
Kentucky	106.0	13,059	.65	7.47	174.3	45.53
West Virginia	281.3	12,546	.91	11.33	168.2	42.21
Total	387.3	12,686	.84	10.27	170.0	43.12
Company and Plant: Savannah Electric and Power, Port Wentworth						
1991						
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
Total	189.0	12,646	.87	9.63	165.3	41.82
1992						
Kentucky	3.0	11,947	1.36	13.60	132.2	31.59
Virginia	60.5	12,392	.98	11.96	148.1	36.71
Total	63.5	12,371	1.00	12.04	147.4	36.46

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 ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Company and Plant: Savannah Electric and Power, Port Wentworth						
1993						
Kentucky	80.2	12,770	0.98	9.66	175.8	44.91
Virginia	174.6	12,782	.99	10.15	173.0	44.22
West Virginia.....	5.1	12,738	.77	8.60	166.7	42.46
Total	259.9	12,777	.98	9.97	173.7	44.40
1994						
Kentucky	106.7	12,520	1.19	9.54	172.2	43.13
Virginia	31.6	12,543	.98	10.23	169.4	42.49
Colombia.....	11.9	11,235	.69	5.87	214.1	48.12
Venezuela.....	16.8	12,575	1.12	8.60	168.0	42.25
Total	167.0	12,438	1.11	9.31	174.0	43.27
1995						
Kentucky	9.9	11,801	.55	14.50	143.0	33.75
Virginia	130.3	13,124	.87	9.43	159.0	41.74
Total	140.3	13,030	.85	9.79	158.0	41.17
1996						
Venezuela.....	209.9	12,143	1.08	6.71	152.8	37.11
Total	209.9	12,143	1.08	6.71	152.8	37.11
1997						
January - March						
Venezuela	38.4	11,867	1.60	8.20	136.6	32.42
Total	38.4	11,867	1.60	8.20	136.6	32.42
April - June						
Venezuela	60.6	11,867	1.58	8.20	138.1	32.79
Total	60.6	11,867	1.58	8.20	138.1	32.79
July - September						
Venezuela	130.3	12,115	1.20	7.64	139.0	33.67
Total	130.3	12,115	1.20	7.64	139.0	33.67
Year to Date						
Venezuela	229.3	12,008	1.37	7.88	138.4	33.23
Total	229.3	12,008	1.37	7.88	138.4	33.23
Company and Plant: Takoma Dept. of Public Utilities, Steam No.2						
1991						
Washington	0.1	12,846	0.70	14.50	170.0	43.68
Canada.....	26.9	9,994	.46	12.76	209.2	41.82
Total	27.0	10,004	.46	12.76	209.0	41.82
1992						
Montana	4.0	9,492	.40	4.25	169.0	32.08
Washington	2.3	12,366	.72	14.03	154.5	38.21
Wyoming.....	2.0	8,846	.22	4.67	181.0	32.02
Canada.....	15.3	9,993	.42	12.95	214.7	42.90
Total	23.7	10,043	.43	10.87	197.5	39.67
1993						
Montana	10.0	9,482	.37	4.10	182.6	34.63
Washington	2.2	10,967	.70	14.47	163.5	35.87
Canada.....	29.2	10,036	.48	12.60	179.5	36.03
Total	41.4	9,951	.46	10.64	179.3	35.68
1994						
Montana	26.4	9,465	.41	4.63	175.8	33.27
Washington	3.3	10,865	.72	13.30	165.3	35.91
Canada.....	6.3	9,806	.48	12.80	178.0	34.91
Total	36.1	9,655	.45	6.87	175.1	33.81
1995						
Montana	3.8	9,470	.36	4.64	180.0	34.09
Canada.....	23.8	10,066	.47	13.14	166.0	33.42
Total	27.6	9,983	.46	11.96	167.8	33.51
1996						
Montana	3.9	9,516	.50	5.00	176.0	33.50
Wyoming.....	.3	8,858	.27	5.13	109.0	19.31
Canada.....	18.0	9,861	.44	12.97	174.6	34.44
Total	22.2	9,788	.45	11.47	174.1	34.09
1997						
January - March						
Canada	4.4	9,979	.36	12.97	176.0	35.13
Total	4.4	9,979	.36	12.97	176.0	35.13

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 ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Company and Plant: Takoma Dept. of Public Utilities, Steam No.2						
1997						
July - September						
Washington.....	*	2,189	0.43	62.30	121.0	5.30
Canada.....	5.2	10,283	.48	11.65	171.0	35.17
Total.....	5.3	10,229	.48	11.99	170.9	34.97
Year to Date						
Washington.....	*	2,189	.43	62.30	121.0	5.30
Canada.....	9.6	10,144	.43	12.25	173.2	35.15
Total.....	9.6	10,116	.43	12.43	173.2	35.04
Company and Plant: Tampa Electric, Big Bend²						
1991						
Illinois.....	1,112.9	11,046	2.95	9.16	193.5	42.74
Indiana.....	163.5	11,067	2.91	8.63	110.7	24.51
Kentucky.....	3,888.7	12,461	2.20	7.76	182.4	45.46
Pennsylvania.....	2.8	13,004	1.46	6.90	127.5	33.16
Tennessee.....	158.3	12,795	1.18	6.54	218.2	55.84
West Virginia.....	450.0	13,261	2.40	7.48	206.5	54.77
Indonesia.....	24.3	9,815	.07	1.20	227.3	44.62
Total.....	5,800.5	12,211	2.34	7.97	185.7	45.34
1993						
Illinois.....	35.2	11,194	.82	11.00	185.1	41.44
Total.....	35.2	11,194	.82	11.00	185.1	41.44
Company and Plant: Tampa Electric, Davant Transfer						
1992						
Colorado.....	180.6	13,092	0.45	10.01	146.5	38.37
Illinois.....	1,224.1	11,287	2.87	8.89	181.0	40.86
Kentucky.....	3,358.9	12,415	2.30	7.91	178.7	44.37
Tennessee.....	268.8	12,861	1.19	6.20	217.6	55.98
Utah.....	31.6	11,596	.39	8.20	163.8	37.99
West Virginia.....	451.8	13,137	2.38	7.64	207.1	54.41
Wyoming.....	12.3	8,887	.20	4.70	142.3	25.29
Total.....	5,528.1	12,255	2.30	8.09	182.4	44.70
1993						
Illinois.....	1,346.0	11,380	2.77	8.93	170.6	38.82
Indiana.....	18.8	11,230	3.02	10.43	123.1	27.64
Kentucky.....	2,783.2	12,425	2.20	7.94	189.3	47.05
Tennessee.....	304.6	12,740	1.12	7.02	203.7	51.89
Utah.....	186.5	11,586	.35	8.25	156.1	36.17
West Virginia.....	728.0	13,186	2.27	7.40	172.4	45.47
Colombia.....	222.2	10,844	.62	7.63	166.6	36.13
Venezuela.....	61.4	11,056	1.48	9.78	220.7	48.80
Total.....	5,650.8	12,182	2.16	8.08	181.9	44.31
1994						
Colorado.....	422.5	12,980	.44	9.88	158.7	41.19
Illinois.....	1,874.6	11,234	2.94	9.45	164.6	36.99
Kentucky.....	2,399.8	12,268	2.49	7.39	186.9	45.85
Pennsylvania.....	70.0	13,276	2.39	7.75	132.2	35.11
Tennessee.....	276.1	12,628	1.14	7.43	215.3	54.38
West Virginia.....	626.3	13,096	2.63	7.34	167.5	43.88
Wyoming.....	117.8	8,746	.28	5.12	131.6	23.01
Indonesia.....	147.2	9,871	.09	1.10	143.0	28.24
Total.....	5,934.5	11,979	2.33	8.02	174.8	41.89
1995						
Colorado.....	810.8	12,745	.43	9.84	184.3	46.99
Illinois.....	2,370.8	11,536	2.26	8.27	170.5	39.33
Kentucky.....	1,737.5	11,818	2.62	7.35	139.0	32.86
Tennessee.....	120.2	12,565	1.12	8.66	229.2	57.59
Indonesia.....	348.9	9,696	.31	1.16	143.8	27.88
Total.....	5,388.1	11,713	1.95	7.76	162.5	38.06
1996						
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

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 ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Company and Plant: Tampa Electric, Davant Transfer						
1996						
Wyoming.....	590.7	8,833	0.21	4.39	142.0	25.09
Indonesia.....	807.8	9,655	.29	1.48	149.7	28.91
Total	6,348.2	11,327	2.04	6.78	148.3	33.59
1997						
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
Total	1,716.3	11,228	1.97	7.18	150.1	33.70
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
Total	1,780.1	11,305	2.16	7.96	146.4	33.09
July - September						
Illinois.....	754.2	11,897	2.29	8.74	156.0	37.12
Kentucky.....	511.5	11,644	2.97	9.51	134.7	31.38
West Virginia.....	29.3	13,057	2.80	9.38	125.6	32.80
Wyoming.....	268.8	8,706	.41	5.40	139.4	24.27
Indonesia.....	219.9	9,736	.35	1.20	163.3	31.80
Total	1,783.8	11,096	1.97	7.54	147.8	32.81
Year to Date						
Illinois.....	2,286.9	11,930	2.34	8.54	159.6	38.07
Indiana.....	4.8	11,216	.70	7.30	164.4	36.88
Kentucky.....	1,414.6	11,616	3.04	9.48	131.6	30.57
West Virginia.....	278.5	13,226	2.02	7.38	129.6	34.29
Wyoming.....	788.5	8,714	.43	5.29	141.5	24.65
Indonesia.....	507.0	9,598	.36	1.44	162.5	31.18
Total	5,280.2	11,209	2.03	7.56	148.1	33.20
Company and Plant: United Illuminating Co, Bridgeport Harbor						
1991						
Kentucky.....	871.0	13,238	0.55	6.07	216.6	57.35
Total	871.0	13,238	.55	6.07	216.6	57.35
1992						
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
Total	793.0	13,167	.55	6.25	194.8	51.30
1993						
Kentucky.....	665.0	13,113	.54	7.02	170.6	44.74
West Virginia.....	75.0	13,426	.67	6.33	168.6	45.29
Total	740.0	13,144	.55	6.95	170.4	44.80
1994						
Kentucky.....	809.0	13,080	.53	7.41	177.6	46.46
West Virginia.....	54.0	13,306	.64	6.97	173.8	46.25
Total	863.0	13,094	.54	7.38	177.4	46.45
1995						
Kentucky.....	836.0	13,109	.56	7.05	188.1	49.32
West Virginia.....	5.0	13,252	.69	6.50	190.0	50.36
Total	841.0	13,110	.56	7.05	188.1	49.33
1996						
Kentucky.....	903.0	13,098	.54	7.24	191.2	50.09
Venezuela.....	28.0	13,174	.61	4.10	185.0	48.74
Total	931.0	13,100	.54	7.14	191.0	50.05
1997						
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
Total	217.5	13,112	.56	7.15	191.9	50.31

See footnotes at the end of Table A7.

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

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Company and Plant: United Illuminating Co, Bridgeport Harbor						
1997						
April - June						
Kentucky.....	214.0	13,103	0.53	7.73	193.1	50.60
West Virginia.....	116.6	13,253	.63	6.85	190.7	50.54
Total	330.6	13,156	.56	7.42	192.2	50.58
July - September						
Kentucky.....	176.0	13,086	.49	7.41	191.5	50.12
Venezuela.....	35.0	13,387	.64	4.30	169.6	45.41
Total	211.0	13,136	.51	6.89	187.8	49.34
Year to Date						
Kentucky.....	581.0	13,094	.52	7.48	192.4	50.39
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
Venezuela.....	35.0	13,387	.64	4.30	169.6	45.41
Total	759.1	13,138	.55	7.20	190.9	50.16
Total of U.S. Electric Utility Plants						
1991						
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
Total	36,837.9	11,894	1.32	7.82	173.1	41.18
1992						
Alabama.....	71.9	12,060	2.75	12.94	120.6	29.09
Colorado.....	1,961.3	11,088	.40	6.66	198.7	44.06
Illinois.....	3,933.7	11,729	2.79	8.55	190.4	44.67
Indiana.....	826.6	10,901	2.26	8.78	142.3	31.01
Kentucky.....	9,088.3	12,623	1.47	8.01	171.0	43.16
Montana.....	86.2	9,388	.31	4.16	137.5	25.82
Ohio.....	963.7	12,135	3.62	11.27	104.4	25.35
Pennsylvania.....	1,340.4	13,123	1.60	7.13	167.3	43.92
Tennessee.....	268.8	12,861	1.19	6.20	217.6	55.98
Utah.....	31.6	11,596	.39	8.20	163.8	37.99
Virginia.....	348.6	12,938	1.02	8.66	176.3	45.62
Washington.....	2.3	12,366	.72	14.03	154.5	38.21
West Virginia.....	10,753.8	12,869	1.00	9.20	168.0	43.25
Wyoming.....	5,699.2	8,388	.45	5.28	145.7	24.44
Canada.....	48.1	12,432	1.09	6.72	185.1	46.01
Colombia.....	1,504.1	11,938	.70	6.91	150.9	36.04
Indonesia.....	13.1	9,587	.14	1.20	166.9	32.00
Venezuela.....	240.6	13,206	.69	7.18	164.6	43.49
Total	37,182.4	11,806	1.29	7.93	167.6	39.58
1993						
Alabama.....	72.3	12,337	2.09	11.73	191.1	47.15
Colorado.....	1,947.6	10,661	.40	6.86	198.9	42.40
Illinois.....	3,596.4	11,738	2.56	8.43	174.6	40.99
Indiana.....	485.4	11,003	2.15	8.88	136.5	30.05
Kentucky.....	8,293.4	12,664	1.36	8.17	174.5	44.20
Maryland.....	56.2	13,015	1.30	9.55	161.4	42.00
Montana.....	187.7	9,428	.39	4.58	160.4	30.24
Ohio.....	1,151.5	12,135	3.57	11.37	102.2	24.81
Pennsylvania.....	1,451.4	13,093	1.79	7.35	156.7	41.04
Tennessee.....	304.6	12,740	1.12	7.02	203.7	51.89

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 ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Total of U.S. Electric Utility Plants						
1993						
Utah.....	186.5	11,586	0.35	8.25	156.1	36.17
Virginia.....	435.8	12,995	.94	8.99	186.8	48.56
Washington.....	2.2	10,967	.70	14.47	163.5	35.87
West Virginia.....	8,787.9	12,904	1.03	8.97	167.0	43.10
Wyoming.....	6,107.1	8,360	.42	5.25	148.6	24.85
Canada.....	29.2	10,036	.48	12.60	179.5	36.03
Colombia.....	3,585.1	11,867	.66	6.85	149.0	35.37
Indonesia.....	115.8	10,620	.22	2.07	166.1	35.29
Venezuela.....	897.5	12,874	.67	6.96	166.4	42.84
Total	37,693.7	11,713	1.19	7.74	164.8	38.61
1994						
Alabama.....	1.5	12,241	2.87	10.00	204.1	49.97
Colorado.....	2,861.0	11,189	.42	8.16	181.7	40.67
Illinois.....	4,198.2	11,616	2.44	8.40	164.4	38.19
Indiana.....	326.8	11,062	1.82	8.77	121.5	26.88
Kentucky.....	7,872.9	12,598	1.41	8.27	177.1	44.62
Maryland.....	138.3	13,155	1.38	9.85	149.9	39.43
Montana.....	1,314.8	9,404	.40	4.78	138.8	26.11
Ohio.....	937.8	12,266	3.58	10.63	99.0	24.28
Pennsylvania.....	1,992.6	13,125	1.76	7.34	144.5	37.94
Tennessee.....	276.1	12,628	1.14	7.43	215.3	54.38
Virginia.....	127.7	12,926	.87	8.50	173.6	44.89
Washington.....	3.3	10,865	.72	13.30	165.3	35.91
West Virginia.....	10,482.8	12,728	.95	9.60	165.0	42.01
Wyoming.....	6,022.8	8,466	.36	4.94	149.3	25.28
Canada.....	63.3	10,885	.26	10.53	152.4	33.19
Colombia.....	2,971.8	11,997	.66	6.76	142.7	34.25
Indonesia.....	437.3	10,499	.22	1.82	157.4	33.06
South Africa.....	127.3	11,318	.65	12.60	181.1	41.00
Venezuela.....	1,355.2	12,649	.76	6.61	172.3	43.60
Total	41,511.6	11,672	1.12	7.82	162.1	37.85
1995						
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
Total	39,061.4	11,573	.97	7.66	161.9	37.47
1996						
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
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
Total	43,231.4	11,537	1.05	7.60	156.8	36.17

See footnotes at the end of Table A7.

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

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Total of U.S. Electric Utility Plants						
1997						
January - March						
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
Total	9,905.8	11,367	1.03	7.71	161.7	36.76
April - June						
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
Total	11,303.5	11,361	1.06	8.10	155.5	35.33
July - September						
Alabama	79.9	11,731	1.51	14.17	175.0	41.07
Colorado	505.9	10,330	.40	6.49	137.6	28.44
Illinois	1,154.4	11,899	1.96	8.21	166.4	39.61
Kentucky	2,101.0	12,394	1.61	9.33	158.7	39.33
Maryland	60.6	13,275	1.47	9.02	147.8	39.24
Montana	869.4	9,398	.38	4.50	148.1	27.84
Ohio	56.4	11,605	3.26	12.52	95.2	22.10
Pennsylvania	598.4	13,156	1.68	7.41	139.4	36.67
Virginia	44.2	13,277	1.00	8.58	169.0	44.88
Washington	*	2,189	.43	62.30	121.0	5.30
West Virginia	2,304.7	12,504	.88	11.24	154.7	38.68
Wyoming	1,977.8	8,515	.43	5.24	143.0	24.35
Canada	5.2	10,283	.48	11.65	171.0	35.17
Colombia	840.7	12,004	.80	6.48	157.5	37.82
Indonesia	219.9	9,736	.35	1.20	163.3	31.80
Venezuela	545.7	12,662	.78	6.52	161.1	40.80
Total	11,364.3	11,341	1.03	7.84	153.8	34.88
Year to Date						
Alabama	273.4	11,980	2.10	13.16	175.7	42.10
Colorado	1,134.7	10,368	.39	6.14	134.6	27.91
Illinois	3,488.5	11,952	1.97	8.02	174.9	41.82
Indiana	8.2	11,087	1.23	7.65	142.6	31.62
Kentucky	6,143.6	12,400	1.54	9.14	162.4	40.27
Maryland	99.8	13,186	1.45	9.07	148.1	39.06
Montana	2,397.6	9,286	.39	4.59	145.1	26.94
Ohio	115.5	11,710	3.02	12.08	91.1	21.33
Pennsylvania	1,778.4	12,904	1.67	8.76	139.9	36.12
Virginia	123.8	13,223	.92	8.70	162.8	43.06
Washington	*	2,189	.43	62.30	121.0	5.30
West Virginia	7,553.4	12,601	.92	10.65	157.3	39.65
Wyoming	5,982.3	8,534	.43	5.24	148.9	25.41

See footnotes at the end of Table A7.

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

Time Period and State or Country of Origin	Quantity (thousand short tons)	Average Quality ¹			Average Cost Delivered	
		Btu per Pound	Sulfur Percent by Weight	Ash Percent by Weight	Cents per Million Btu	Dollars per Short Ton
Total of U.S. Electric Utility Plants						
1997						
Year to Date						
Canada	9.6	10,144	0.43	12.25	173.2	35.15
Colombia.....	1,916.2	11,975	.73	6.70	157.2	37.66
Indonesia.....	507.0	9,598	.36	1.44	162.5	31.18
Venezuela	1,041.6	12,702	.82	6.55	161.4	41.00
Total	32,573.5	11,356	1.04	7.89	156.8	35.60

¹ Data reported on quality of coal as received.

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

* Rounded to zero.

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

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

Appendix B

Metric Tables

Appendix B

Metric Tables

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

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

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

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

Year and Quarter	Production	Imports	Producer and Distributor Stocks ¹	Consumption	Exports	Consumer Stocks ¹
1991 January - March	231,102	851	38,249	198,863	20,247	155,568
April - June	215,008	662	37,243	189,381	23,781	157,544
July - September	228,101	893	30,507	214,180	28,302	148,651
October - December.....	229,331	669	29,911	202,812	26,526	152,145
Total	903,542	3,075		805,236	98,855	
1992 January - March	232,200	616	36,154	200,119	22,436	152,980
April - June	220,205	947	36,753	190,542	24,503	157,188
July - September	225,939	800	31,931	215,636	24,023	146,854
October - December.....	226,614	1,087	30,838	203,293	22,039	148,499
Total	904,958	3,450		809,591	93,001	
1993 January - March	220,824	1,101	34,884	207,895	17,118	138,453
April - June	212,055	991	31,595	194,882	18,095	140,470
July - September	206,050	1,944	24,660	226,680	16,803	110,594
October - December.....	218,747	2,595	22,937	210,546	15,586	109,278
Total	857,675	6,631		840,003	67,603	
1994 January - March	231,471	1,678	30,971	215,544	13,496	101,857
April - June	233,114	1,430	32,439	202,434	16,275	114,935
July - September	236,642	2,090	29,896	223,004	17,875	109,974
October - December.....	236,353	1,681	30,136	202,883	17,089	123,504
Total	937,580	6,880		843,865	64,735	
1995 January - March	242,328	1,629	38,519	206,562	17,226	130,638
April - June	226,209	1,460	38,196	197,309	21,032	137,581
July - September	233,924	1,565	32,833	235,338	20,116	119,512
October - December.....	234,638	1,879	31,247	214,344	21,955	122,142
Total	937,098	6,533		853,552	80,329	
1996 January - March	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
Total	965,114	6,464		892,066	82,075	
1997 January - March	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
July - September	246,111	2,016	35,481	243,424	20,280	99,989
Total	739,282	4,773		677,746	57,124	

¹ 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
1991 January - March	171,722	7,521	17,797	1,822	198,863
April - June	165,550	7,326	15,549	957	189,381
July - September	188,815	7,962	16,376	1,027	214,180
October - December.....	174,502	7,902	18,685	1,723	202,812
Total	700,590	30,712	68,406	5,529	805,236
1992 January - March	173,410	7,566	17,472	1,672	200,119
April - June	166,474	7,345	15,680	1,042	190,542
July - September	190,889	7,439	16,187	1,121	215,636
October - December.....	176,704	7,012	17,831	1,746	203,293
Total	707,477	29,362	67,170	5,582	809,591
1993 January - March	181,695	7,060	17,492	1,648	207,895
April - June	170,321	7,154	16,179	1,229	194,882
July - September	202,431	7,222	16,034	993	226,680
October - December.....	183,556	6,980	18,236	1,774	210,546
Total	738,002	28,416	67,941	5,644	840,003
1994 January - March	188,617	7,034	18,063	1,829	215,544
April - June	178,039	7,225	16,093	1,077	202,434
July - September	198,325	7,208	16,441	1,030	223,004
October - December.....	176,433	7,327	17,604	1,519	202,883
Total	741,415	28,794	68,201	5,455	843,865
1995 January - March	180,332	7,384	17,359	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
Total	752,063	29,947	66,275	5,268	853,552
1996 January - March	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
Total	793,498	28,763	64,357	5,448	892,066
1997 January - March	197,925	6,886	16,553	1,634	222,998
April - June	188,105	6,683	15,446	1,090	211,324
July - September	220,507	6,657	15,169	1,090	243,424
Total	606,538	20,226	47,168	3,814	677,746

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 ¹				Coal Producers and Distributors	Total
	Electric Utilities	Coke Plants	Other Industrial ²	Total		
1991 March 31	146,133	2,839	6,596	155,568	38,249	193,818
June 30	148,288	2,978	6,278	157,544	37,243	194,787
September 30	139,622	2,445	6,584	148,651	30,507	179,158
December 31	143,223	2,516	6,406	152,145	29,911	182,056
1992 March 31	145,178	2,608	5,194	152,980	36,154	189,135
June 30	148,938	2,519	5,731	157,188	36,753	193,941
September 30	138,513	2,009	6,331	146,854	31,931	178,785
December 31	139,824	2,356	6,318	148,499	30,838	179,337
1993 March 31	130,614	2,549	5,290	138,453	34,884	173,338
June 30	132,225	2,739	5,507	140,470	31,595	172,065
September 30	102,360	2,300	5,933	110,594	24,660	135,254
December 31	101,007	2,179	6,093	109,278	22,937	132,215
1994 March 31	95,423	2,025	4,408	101,857	30,971	132,827
June 30	107,403	2,503	5,029	114,935	32,439	147,373
September 30	101,889	2,455	5,630	109,974	29,896	139,870
December 31	115,119	2,410	5,974	123,504	30,136	153,639
1995 March 31	123,176	2,467	4,995	130,638	38,519	169,157
June 30	130,076	2,381	5,124	137,581	38,196	175,777
September 30	111,790	2,246	5,476	119,512	32,833	152,345
December 31	114,582	2,388	5,173	122,142	31,247	153,390
1996 March 31	106,817	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
1997 March 31	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
September 30	92,994	2,155	4,841	99,989	35,481	135,470

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

² Manufacturing plants only.

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

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

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

Year	1991	1992	1993	1994	1995	1996	1997
January - March							
Exports							
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
Imports							
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
April - June							
Exports							
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
Imports							
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
July - September							
Exports							
Quantity.....	28,302	24,023	16,803	17,875	20,116	21,322	20,280
Price	\$45.76	\$44.86	\$44.89	\$42.84	\$45.18	\$44.68	\$43.45
Imports							
Quantity.....	893	800	1,944	2,090	1,565	1,878	2,016
Price	\$34.67	\$37.95	\$32.54	\$34.08	\$37.05	\$36.59	\$37.14
October - December							
Exports							
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	-
Imports							
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	-
Total							
Exports							
Quantity.....	98,855	93,001	67,603	64,735	80,329	82,075	57,124
Price	\$46.73	\$45.57	\$45.65	\$44.02	\$44.39	\$44.93	-
Imports							
Quantity.....	3,075	3,450	6,631	6,880	6,533	6,464	4,773
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	July - September 1997	April - June 1997	July - September 1996	Year to date		
				1997	1996	Percent Change
North America Total	5,418,914	3,684,404	4,476,791	10,815,179	7,815,689	38.4
Canada ¹	4,882,268	3,234,081	3,993,074	9,435,562	6,957,746	35.6
Jamaica.....	—	12,937	5,411	25,259	14,227	77.5
Mexico.....	516,913	437,386	476,304	1,329,530	822,914	61.6
Other ²	19,733	—	2,002	24,828	20,802	19.4
South America Total	2,113,273	1,834,021	1,693,361	5,892,181	4,967,505	18.6
Argentina.....	84,168	14,403	68,021	244,641	231,544	5.7
Brazil.....	1,907,770	1,659,182	1,513,047	5,313,858	4,330,219	22.7
Chile.....	45,104	82,117	89,155	132,194	370,595	-64.3
Other ²	76,231	78,319	23,138	201,488	35,147	473.3
Europe Total	8,835,380	9,794,177	9,867,065	28,680,950	32,326,372	-11.3
Belgium & Luxembourg.....	970,040	753,638	865,713	2,977,309	3,253,741	-8.5
Bulgaria.....	307,366	399,893	253,654	909,287	952,466	-4.5
Denmark.....	113,601	98,978	298,222	317,578	963,854	-67.1
Finland.....	198,238	185,412	295,148	383,650	579,769	-33.8
France.....	672,346	808,665	621,448	2,327,871	2,415,791	-3.6
Germany, FR.....	217,442	269,540	117,392	605,407	723,045	-16.3
Ireland.....	209,689	107,611	240,430	556,355	464,192	19.9
Italy.....	1,707,654	1,687,254	1,535,013	4,964,420	6,448,477	-23.0
Netherlands.....	1,006,387	842,859	1,753,359	3,373,630	5,084,593	-33.6
Norway.....	16,357	33,956	21,715	66,010	51,172	29.0
Portugal.....	410,700	332,672	520,735	926,948	987,920	-6.2
Romania.....	496,182	659,435	395,228	1,426,483	1,018,018	40.1
Spain.....	942,779	1,049,042	848,098	2,897,165	2,838,227	2.1
Sweden.....	231,418	80,064	294,564	385,394	628,320	-38.7
Turkey.....	410,065	596,422	457,863	1,547,336	1,484,453	4.2
United Kingdom.....	911,074	1,875,191	1,333,864	4,973,299	4,210,212	18.1
Other ²	14,042	13,545	14,619	42,808	222,122	-80.7
Asia Total	3,453,741	2,923,688	4,245,267	9,965,626	12,503,077	-20.3
China (Taiwan).....	424,481	348,648	633,889	1,354,163	1,760,241	-23.1
Israel.....	176,301	41,125	287,077	477,156	743,192	-35.8
Japan.....	1,926,744	1,657,256	2,650,522	5,725,348	7,552,417	-24.2
Korea, Republic of.....	786,023	875,236	669,710	2,235,819	2,415,722	-7.4
Other ²	140,192	1,423	4,069	173,140	31,505	449.6
Oceania & Australia Total	185	553	185	738	277	166.4
Africa Total	458,122	454,128	1,039,622	1,769,654	3,221,580	-45.1
Algeria.....	89,874	49,922	—	189,673	104,243	82.0
Egypt.....	205,846	232,087	225,273	782,563	718,825	8.9
Morocco.....	—	—	283,248	128,802	1,367,714	-90.6
South Africa, Rep of.....	150,155	171,821	531,101	656,071	1,030,798	-36.4
Other ²	12,247	298	—	12,545	—	—
Total	20,279,615	18,690,971	21,322,291	57,124,328	60,834,500	-6.1

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

² Includes countries with exports less than or equal to 50,000 short tons (45,359 metric tons) in 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 B6. Average Price of U.S. Coal Exports
(Dollars per Metric Ton)

Continent and Country of Destination	July - September 1997	April - June 1997	July - September 1996	Year to date		
				1997	1996	Percent Change
North America Total	\$33.08	\$33.58	\$36.69	\$33.81	\$37.22	-9.2
Canada ¹	31.55	32.54	36.13	32.29	36.34	-11.1
Jamaica.....	-	46.25	33.62	46.25	36.95	25.2
Mexico.....	47.48	40.74	41.36	44.09	44.51	-9
Other ²	40.47	-	42.80	41.37	43.56	-5.0
South America Total	48.35	47.63	48.81	48.33	48.38	-1
Argentina.....	54.02	44.92	43.14	52.94	50.13	5.6
Brazil.....	48.63	48.28	49.53	48.56	49.27	-1.4
Chile.....	31.78	37.10	38.02	35.54	35.90	-1.0
Other ²	44.98	44.99	44.06	45.01	42.00	7.2
Europe Total	47.15	47.23	46.79	47.03	46.38	1.4
Belgium & Luxembourg.....	47.58	51.91	49.89	50.12	50.55	-8
Bulgaria.....	50.27	51.95	48.46	51.18	48.26	6.0
Denmark.....	31.35	33.95	30.95	34.97	32.35	8.1
Finland.....	48.54	45.75	45.56	47.19	47.29	-2
France.....	52.95	49.78	52.44	51.02	49.52	3.0
Germany, FR.....	45.50	50.56	49.92	48.06	41.60	15.5
Ireland.....	41.25	41.25	41.37	41.49	41.15	.8
Italy.....	49.52	49.42	51.96	49.85	49.54	.6
Netherlands.....	50.60	50.55	44.92	49.49	45.26	9.4
Norway.....	-	-	64.76	-	64.04	-
Portugal.....	41.05	39.18	39.72	40.72	40.51	.5
Romania.....	43.85	52.91	57.28	49.45	53.12	-6.9
Spain.....	38.33	37.58	40.55	39.22	40.45	-3.0
Sweden.....	52.88	53.28	53.70	53.04	52.24	1.5
Turkey.....	51.21	51.39	49.63	51.18	49.57	3.3
United Kingdom.....	46.28	43.65	43.40	42.52	43.58	-2.4
Other ²	66.04	60.17	63.54	62.22	43.29	43.7
Asia Total	43.44	45.07	43.74	44.05	43.75	.7
China (Taiwan).....	40.36	38.08	41.05	40.19	40.55	-9
Israel.....	40.73	41.00	40.73	40.84	39.81	2.6
Japan.....	42.94	44.25	43.30	43.45	43.39	.1
Korea, Republic of.....	47.52	49.63	49.30	48.95	48.35	1.2
Other ²	40.14	44.03	44.97	39.88	54.40	-26.7
Oceania & Australia Total	44.89	44.95	44.79	44.93	44.83	.2
Africa Total	52.25	55.00	50.25	53.41	48.35	10.5
Algeria.....	50.01	51.02	-	51.17	54.78	-6.6
Egypt.....	54.91	56.75	57.21	57.37	59.37	-3.4
Morocco.....	-	-	35.70	33.81	37.24	-9.2
South Africa, Rep of.....	50.86	53.82	55.06	53.41	54.75	-2.5
Other ²	41.04	44.87	-	41.13	-	-
Total³	43.04	44.52	44.43	44.40	44.97	-1.3
U.S. Total⁴	43.45	44.98	44.68	44.76	45.19	-1.0

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

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

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

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

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

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

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

Continent and Country of Destination	July - September 1997	April - June 1997	July - September 1996	Year to date		
				1997	1996	Percent Change
North America Total	3,688,803	2,315,689	2,047,708	7,533,423	3,620,244	108.1
Canada ¹	3,271,765	1,958,506	1,645,997	6,442,038	3,067,959	110.0
Jamaica.....	—	12,937	5,411	25,259	14,227	77.5
Mexico.....	397,305	344,246	394,298	1,041,298	517,256	101.3
Other ²	19,733	—	2,002	24,828	20,802	19.4
South America Total	127,281	206,946	149,013	446,433	421,261	6.0
Argentina.....	4,112	14,403	1,956	35,154	2,342	(³)
Brazil.....	1,834	32,107	34,764	77,597	83,798	-7.4
Chile.....	45,104	82,117	89,155	132,194	300,153	-56.0
Other ²	76,231	78,319	23,138	201,488	34,968	476.2
Europe Total	2,792,567	3,096,409	3,969,687	9,325,908	13,119,240	-28.9
Belgium & Luxembourg.....	330,232	73,060	265,151	670,959	732,354	-8.4
Bulgaria.....	—	—	—	—	107,515	—
Denmark.....	113,601	98,978	298,222	317,578	963,854	-67.1
Finland.....	—	54,759	90,303	54,759	90,303	-39.4
France.....	—	63,643	—	182,778	440,451	-58.5
Germany, FR.....	56,064	58,347	34,963	173,545	469,034	-63.0
Ireland.....	209,689	107,611	240,430	446,748	464,192	-3.8
Italy.....	706,728	596,243	532,089	1,894,835	2,814,649	-32.7
Netherlands.....	126,822	72,310	922,726	515,361	2,318,006	-77.8
Norway.....	—	6,022	6,238	6,022	10,418	-42.2
Portugal.....	346,617	332,672	454,672	796,823	891,465	-10.6
Romania.....	86,669	—	—	86,669	—	—
Spain.....	477,442	614,650	478,732	1,432,083	1,473,323	-2.8
Sweden.....	—	—	8,698	—	70,002	—
Turkey.....	1,207	451	13,115	2,817	126,469	-97.8
United Kingdom.....	337,496	1,014,894	624,043	2,738,973	1,974,195	38.7
Other ²	—	2,769	305	5,958	173,010	-96.6
Asia Total	1,690,792	1,073,420	2,215,936	4,538,547	6,606,534	-31.3
China (Taiwan).....	289,282	348,648	521,402	1,094,015	1,524,257	-28.2
Israel.....	142,149	41,125	168,462	413,888	624,577	-33.7
Japan.....	832,352	467,875	1,378,746	2,292,905	3,748,636	-38.8
Korea, Republic of.....	297,220	214,349	143,257	585,749	698,921	-16.2
Other ²	129,789	1,423	4,069	151,990	10,143	(³)
Oceania & Australia Total	185	553	185	738	277	166.4
Africa Total	12,247	525	250,064	142,255	1,335,355	-89.3
Egypt.....	—	227	—	908	825	10.1
Morocco.....	—	—	250,064	128,802	1,334,530	-90.3
Other ²	12,247	298	—	12,545	—	—
Total	8,311,875	6,693,542	8,632,593	21,987,304	25,102,911	-12.4

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

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

³ Changes of 500 percent or more are not shown.

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

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

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

Continent and Country of Destination	July - September 1997	April - June 1997	July - September 1996	Year to date		
				1997	1996	Percent Change
North America Total	\$30.80	\$30.30	\$32.69	\$31.59	\$32.77	-3.6
Canada ¹	29.07	28.73	30.95	29.87	31.39	-4.9
Jamaica.....	-	46.25	33.62	46.25	36.95	25.2
Mexico.....	44.30	38.01	39.34	41.27	39.97	3.3
Other ²	40.47	-	42.80	41.37	43.56	-5.0
South America Total	40.30	41.17	40.95	42.41	39.11	8.4
Argentina.....	44.97	44.92	43.14	44.96	43.14	4.2
Brazil.....	44.95	41.62	46.26	46.51	44.72	4.0
Chile.....	31.78	37.10	38.02	35.54	36.66	-3.1
Other ²	44.98	44.99	44.06	45.01	41.93	7.4
Europe Total	36.10	35.22	36.84	35.71	37.22	-4.0
Belgium & Luxembourg.....	39.43	40.85	41.77	40.16	40.63	-1.2
Bulgaria.....	-	-	-	-	54.14	-
Denmark.....	31.35	33.95	30.95	34.97	32.35	8.1
Finland.....	-	39.90	39.50	39.90	39.50	1.0
France.....	-	41.00	-	39.18	40.22	-2.6
Germany, FR.....	30.00	41.76	41.58	37.96	35.19	7.9
Ireland.....	41.25	41.25	41.37	41.55	41.15	1.0
Italy.....	42.01	42.68	47.15	43.43	45.79	-5.1
Netherlands.....	36.40	34.27	37.27	35.76	36.27	-1.4
Portugal.....	39.67	39.18	38.29	39.37	39.48	-3
Romania.....	32.15	-	-	32.15	-	-
Spain.....	23.80	24.34	26.25	24.05	24.53	-2.0
Sweden.....	-	-	53.50	-	42.89	-
Turkey.....	44.98	44.95	38.56	44.96	45.51	-1.2
United Kingdom.....	34.49	34.26	31.21	33.08	31.80	4.0
Other ²	-	38.00	44.96	38.13	37.61	1.4
Asia Total	38.20	38.33	39.91	38.71	39.63	-2.3
China (Taiwan).....	37.71	38.08	39.02	38.48	39.01	-1.4
Israel.....	39.79	41.00	37.65	39.59	38.81	2.0
Japan.....	37.69	37.91	40.63	38.69	40.14	-3.6
Korea, Republic of.....	39.28	39.10	38.67	39.12	38.92	.5
Other ²	38.29	44.03	44.97	36.61	42.12	-13.1
Oceania & Australia Total	44.89	44.95	44.79	44.93	44.83	.2
Africa Total	41.04	44.92	36.01	34.53	37.34	-7.5
Egypt.....	-	45.00	-	45.00	44.97	.1
Morocco.....	-	-	36.01	33.81	37.33	-9.4
Other ²	41.04	44.87	-	41.13	-	-
Total³	34.30	34.28	36.76	35.10	37.32	-5.9
U.S. Total⁴	35.02	35.55	37.32	35.93	37.86	-5.1

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

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

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

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

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

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

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

Continent and Country of Destination	July - September 1997	April - June 1997	July - September 1996	Year to date		
				1997	1996	Percent Change
North America Total	1,730,111	1,368,715	2,429,083	3,281,756	4,195,445	-21.8
Canada ¹	1,610,503	1,275,575	2,347,077	2,993,524	3,889,787	-23.0
Mexico.....	119,608	93,140	82,006	288,232	305,658	-5.7
South America Total	1,985,992	1,627,075	1,544,348	5,445,748	4,546,244	19.8
Argentina.....	80,056	-	66,065	209,487	229,202	-8.6
Brazil.....	1,905,936	1,627,075	1,478,283	5,236,261	4,246,421	23.3
Chile.....	-	-	-	-	70,442	-
Other ²	-	-	-	-	179	-
Europe Total	6,042,813	6,697,768	5,897,378	19,355,042	19,207,132	.8
Belgium & Luxembourg.....	639,808	680,578	600,562	2,306,350	2,521,387	-8.5
Bulgaria.....	307,366	399,893	253,654	909,287	844,951	7.6
Finland.....	198,238	130,653	204,845	328,891	489,466	-32.8
France.....	672,346	745,022	621,448	2,145,093	1,975,340	8.6
Germany, FR.....	161,378	211,193	82,429	431,862	254,011	70.0
Ireland.....	-	-	-	109,607	-	-
Italy.....	1,000,926	1,091,011	1,002,924	3,069,585	3,633,828	-15.5
Netherlands.....	879,565	770,549	830,633	2,858,269	2,766,587	3.3
Norway.....	16,357	27,934	15,477	59,988	40,754	47.2
Portugal.....	64,083	-	66,063	130,125	96,455	34.9
Romania.....	409,513	659,435	395,228	1,339,814	1,018,018	31.6
Spain.....	465,337	434,392	369,366	1,465,082	1,364,904	7.3
Sweden.....	231,418	80,064	285,866	385,394	558,318	-31.0
Turkey.....	408,858	595,971	444,748	1,544,519	1,357,984	13.7
United Kingdom.....	573,578	860,297	709,821	2,234,326	2,236,017	-.1
Other ²	14,042	10,776	14,314	36,850	49,112	-25.0
Asia Total	1,762,949	1,850,268	2,029,331	5,427,079	5,896,543	-8.0
China (Taiwan).....	135,199	-	112,487	260,148	235,984	10.2
Israel.....	34,152	-	118,615	63,268	118,615	-46.7
Japan.....	1,094,392	1,189,381	1,271,776	3,432,443	3,803,781	-9.8
Korea, Republic of.....	488,803	660,887	526,453	1,650,070	1,716,801	-3.9
Other ²	10,403	-	-	21,150	21,362	-1.0
Africa Total	445,875	453,603	789,558	1,627,399	1,886,225	-13.7
Algeria.....	89,874	49,922	-	189,673	104,243	82.0
Egypt.....	205,846	231,860	225,273	781,655	718,000	8.9
Morocco.....	-	-	33,184	-	33,184	-
South Africa, Rep of.....	150,155	171,821	531,101	656,071	1,030,798	-36.4
Total	11,967,740	11,997,429	12,689,698	35,137,024	35,731,589	-1.7

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

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

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

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

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

Continent and Country of Destination	July - September 1997	April - June 1997	July - September 1996	Year to date		
				1997	1996	Percent Change
North America Total	\$37.83	\$38.79	\$39.83	\$38.69	\$40.64	-4.8
Canada ¹	36.42	37.94	39.45	37.25	39.79	-6.4
Mexico.....	58.97	52.20	51.97	55.03	51.81	6.2
South America Total	48.86	48.42	49.61	48.81	49.12	-6
Argentina.....	54.48	-	-	54.27	50.27	8.0
Brazil.....	48.63	48.42	49.61	48.59	49.36	-1.6
Chile.....	-	-	-	-	33.36	-
Other ²	-	-	-	-	55.87	-
Europe Total	52.36	52.80	53.36	52.53	52.58	-1
Belgium & Luxembourg.....	51.79	53.10	53.48	53.02	53.43	-8
Bulgaria.....	50.27	51.95	48.46	51.18	47.51	7.7
Finland.....	48.54	48.21	48.24	48.41	48.73	-7
France.....	52.95	50.53	52.44	52.03	51.60	.8
Germany, FR.....	50.89	52.99	53.46	52.12	53.45	-2.5
Ireland.....	-	-	-	41.25	-	-
Italy.....	54.82	53.11	54.51	53.81	52.45	2.6
Netherlands.....	52.64	52.07	53.42	51.97	52.79	-1.6
Norway.....	-	-	64.76	-	64.04	-
Portugal.....	48.50	-	49.50	49.01	50.04	-2.1
Romania.....	47.18	52.91	57.28	50.67	53.12	-4.6
Spain.....	53.23	56.30	56.05	54.04	55.85	-3.2
Sweden.....	52.88	53.28	53.71	53.04	53.41	-7
Turkey.....	51.23	51.40	49.95	51.19	49.94	2.5
United Kingdom.....	53.23	54.72	54.12	54.10	53.99	.2
Other ²	66.04	65.87	63.93	65.98	63.31	4.2
Asia Total	48.46	48.99	47.92	48.52	48.39	.3
China (Taiwan).....	46.03	-	50.44	47.38	50.55	-6.3
Israel.....	44.65	-	45.10	49.00	45.10	8.6
Japan.....	46.93	46.74	46.18	46.63	46.60	.1
Korea, Republic of.....	52.52	53.06	52.20	52.44	52.19	.5
Other ²	63.15	-	-	63.28	65.43	-3.3
Africa Total	52.55	55.02	54.76	55.06	56.14	-1.9
Algeria.....	50.01	51.02	-	51.17	54.78	-6.6
Egypt.....	54.91	56.76	57.21	57.39	59.39	-3.4
Morocco.....	-	-	33.40	-	33.40	-
South Africa, Rep of.....	50.86	53.82	55.06	53.41	54.75	-2.5
Total ³	49.09	50.11	49.53	50.16	50.24	-2
U.S. Total ⁴	49.31	50.24	49.69	50.28	50.35	-1

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

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

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

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

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

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

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

Continent and Country of Origin	July - September 1997	April - June 1997	July - September 1996	Year to date		
				1997	1996	Percent Change
North America Total	279,197	288,087	327,389	731,364	958,310	-23.7
Canada.....	279,197	288,087	325,776	731,044	956,319	-23.6
Mexico.....	-	-	1,613	320	1,991	-83.9
South America Total	1,357,757	1,056,327	1,101,824	2,994,283	2,862,645	4.6
Argentina.....	-	12	-	12	-	-
Colombia.....	945,317	793,538	729,343	2,185,632	1,800,168	21.4
Venezuela.....	412,440	262,777	372,481	808,639	1,062,477	-23.9
Europe Total	2,192	7,343	1,803	16,635	1,974	(1)
Belgium & Luxembourg.....	2,171	1,126	1,793	4,420	1,874	135.9
Germany, FR.....	17	1	-	18	-	-
Norway.....	-	6,216	-	12,193	-	-
Spain.....	-	-	-	-	90	-
Turkey.....	-	-	10	-	10	-
United Kingdom.....	4	-	-	4	-	-
Asia Total	376,759	169,843	425,736	916,714	925,709	-1.0
China (Mainland).....	434	275	-	844	-	-
Hong Kong.....	-	-	1	-	1	-
Indonesia.....	357,767	169,568	425,735	886,313	925,708	-4.3
Vietnam.....	18,558	-	-	29,557	-	-
Oceania & Australia Total	-	27,494	21,632	113,818	92,249	23.4
Australia.....	-	27,494	21,632	76,619	92,249	-16.9
New Zealand.....	-	-	-	37,199	-	-
Total	2,015,905	1,549,094	1,878,384	4,772,814	4,840,887	-1.4

¹ Changes of 500 percent or more are not shown.

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

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

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

Continent and Country of Origin	July - September 1997	April - June 1997	July - September 1996	Year to date		
				1997	1996	Percent Change
North America Total	\$43.19	\$43.95	\$40.23	\$40.60	\$37.78	7.5
Canada.....	43.19	43.95	40.25	40.60	37.78	7.5
Mexico.....	-	-	37.38	-	34.96	-
South America Total	35.57	36.14	34.26	35.69	34.19	4.4
Colombia.....	35.69	35.98	34.77	35.71	34.39	3.8
Venezuela.....	35.29	36.63	33.28	35.66	33.86	5.3
Asia Total	36.25	40.21	32.93	36.53	36.35	.5
Indonesia.....	35.32	40.21	32.93	36.16	36.35	-0.5
Vietnam.....	54.11	-	-	54.11	-	-
Oceania & Australia Total	-	38.52	35.83	37.71	36.95	2.0
Australia.....	-	38.52	35.83	37.71	36.95	2.0
Total ¹	36.70	38.00	34.78	36.60	35.29	3.7
U.S. Total ²	37.14	38.87	36.59	37.74	36.47	3.5

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

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

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

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

Appendix C

Explanatory Notes

Appendix C

Explanatory Notes

Data Sources

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

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

Coal Surveys

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

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

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

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

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

Quarterly Coal Consumption Report - Manufacturing

Plants (Form EIA-3)

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

Through the end of 1988, all manufacturers that consumed coal were required to file Form EIA-3. Beginning with the first quarter of 1989, only those manufacturers that consumed one thousand or more tons in the past year were required to report. At present, 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 $C = (S_b - S_e \text{ (change in stocks)}) + R$. 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:

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

Residential and Commercial. Shipments to the *residential and commercial* sector 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 C2. Approximate Heat Content of Coal
(Million Btu per Short Ton)

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

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

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

Glossary

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

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

Btu/lb.

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

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

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

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

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

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

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

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

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

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).