

Quarterly Coal Report January-March 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 January through March 1997 and aggregated quarterly historical data for 1991 through the fourth quarter of 1996. Appendix A displays, from 1988 on, detailed quarterly historical coal imports data, as specified in Section 202 of the Energy Policy and Conservation Amendments Act of 1985 (Public Law 99-58). Appendix B gives selected quarterly tables converted to metric tons.

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

Annual Energy Review 1995 DOE/EIA-0384(95); *Monthly Energy Review* DOE/EIA-0035; *Coal Data : A Reference* DOE/EIA-0064(93) DOE/EIA-0035; and *Coal Industry Annual* DOE/EIA-0584(96) .

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

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

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

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

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

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

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

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Summary

In the first quarter of 1997, increased demand for coal from the electric utility sector, drove coal production to a quarterly record of 274 million short tons (Table 3). This was 6 percent higher (16 million short tons) in the first quarter of 1996 and 3 percent above the amount of coal produced in the fourth quarter of 1996.

Compared with the first quarter of 1996, regional coal production in the first quarter of 1997 rose 8 percent in Appalachia and 7 percent in the West (Table 4). These gains were partially offset by a 2-percent drop in coal produced in the Interior Region. Production east and west of the Mississippi River rose 7 percent and 5 percent, respectively. West Virginia and Colorado accounted for most of the increase in output.

Coal consumption in the United States in the first quarter of 1997 was 246 million short tons, a record first-quarter level, and slightly higher than coal consumption in the comparable quarter in 1996 (Table 37). Consumption at electric utility plants totaled 218 million short tons, slightly higher than in the same quarter last year (Table 39). This modest increase was offset by lower coal consumption at coke plants (down 5 percent) and the other industrial sector (down 1 percent) (Tables 41, 42).

U.S. coal exports in the first quarter of 1997 were 20 million short tons (Table 8). This was 2 percent and 15 percent lower, respectively, than in the first and fourth quarters in 1996.

Metallurgical coal exports totaled 12 million short tons, equaling the first quarter 1996 level (Table 12). Steam coal exports totaled 8 million short tons, 6 percent less than in the first quarter of 1996 (Table 10). Decreases in total European exports more than offset increases to Canada and the United Kingdom. U.S. coal exports averaged \$41.72 per short ton and were valued at \$835 million (Tables 6,7). U.S. coke exports totaled 63 thousand short tons, down 51 percent from the first quarter of last year due to decreased demand from Canada and European markets (Table 15).

U.S. coal imports in the first quarter of 1997 were 1.3 million short tons compared with 1.7 million short tons in the first quarter of 1996 (Table 16). This was a 22-percent-decrease from a year ago, and the lowest first-quarter level since 1993. Lower shipments from

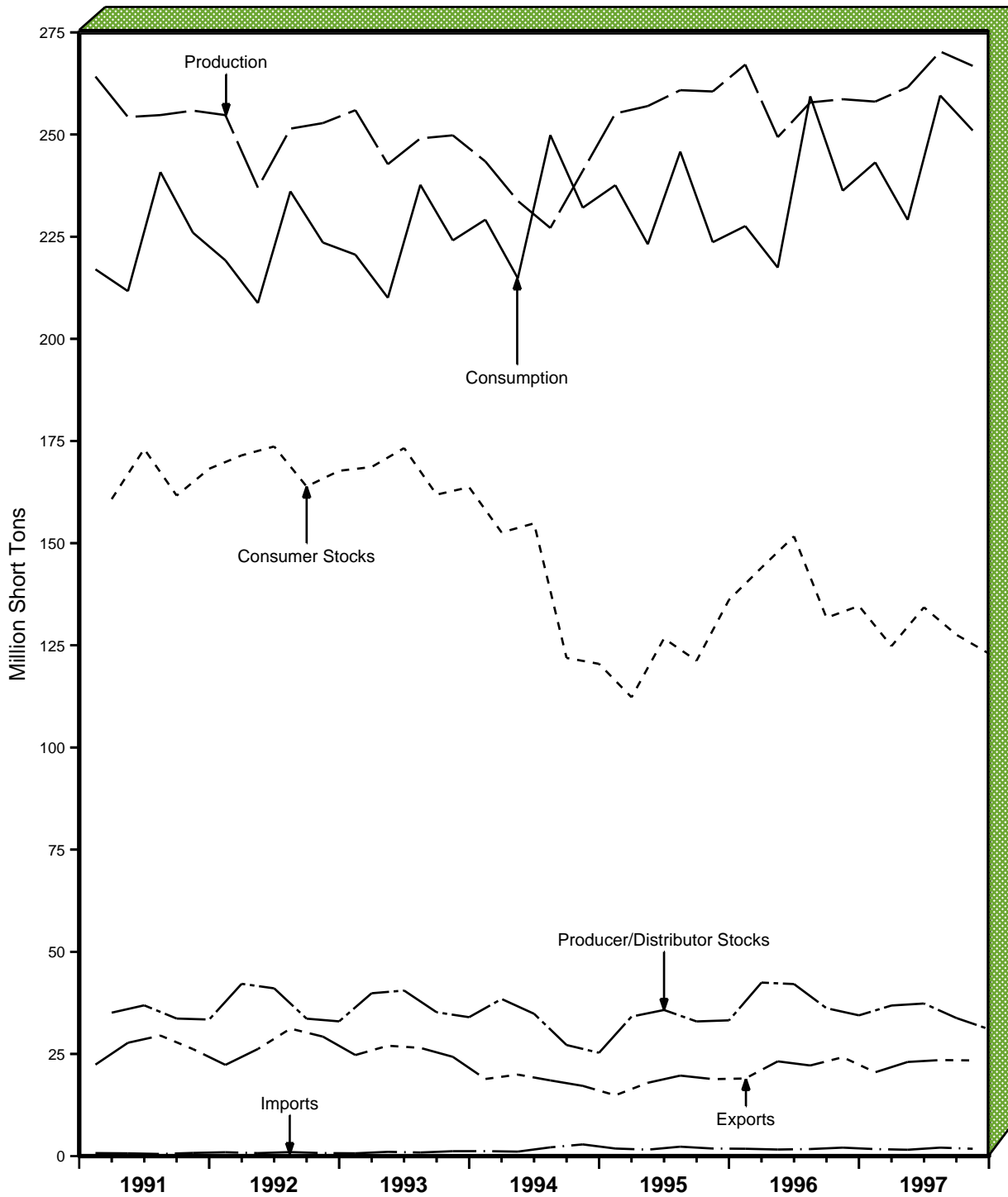
Venezuela (down 63 percent), Canada (down 50 percent), and Colombia (down 22 percent) accounted for most of the decline and offset higher coal deliveries from Indonesia (up 60 percent). First quarter 1997 coke imports totaled 271 thousand short tons, a decline of 35 percent from a year earlier. U.S. coal imports averaged \$33.85 dollars per short ton in the first quarter and were valued at \$45 million (Table 17).

U.S. coal receipts in the first quarter of 1997 reached a first-quarter record of 240 million short tons, of which nearly 214 million short tons were delivered to electric utility plants (Table 20). This represented a 5-percent gain in coal receipts at electric utilities above the first quarter of last year; it also accounted for almost 90 percent of total receipts for this quarter. The increase in utility receipts was not only due to higher demand for coal, but utilities did not draw-down stocks to meet demand to the same extent as a year earlier. Coal receipts at coke plants and the other industrial sector remained about the same. The average price of coal receipts at electric utilities in the first quarter was \$26.52 per short ton compared with \$26.54 per short ton in the same quarter a year earlier (Table 21). The average price of coal delivered to the other industrial sector was \$32.65 per short ton compared with \$32.51 per short ton in the same three-month period in 1996 (Table 33). Coal received at coke plants averaged \$48.10 per short ton in the first quarter compared with \$47.45 per short ton in first-quarter 1996 (Table 31).

U.S. coal stocks at the end of March 1997 totaled 157.4 million short tons compared with 154 million short tons at the end of December 1996 (Table 45). U.S. consumer stocks totaled 120 million short tons at the end of the first quarter, of which 113 million short tons were held by electric utility plants, the lowest quarterly stock level since the end of September 1994. Coal stockpiles at coke plants dropped to 2.4 million short tons at end of March 1997 compared with 2.7 million short tons at the end of the previous quarter (Table 48). Stock levels at other industrial plants fell to 4.6 million short tons compared with 5.7 million short tons at the end of March 1996 (Table 50).

Source: *Electric Power Monthly*, June 1997, DOE/EIA-0226(97/06); *Monthly Energy Review*, DOE/EIA-0036(97/03).

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

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

Year and Quarter	Production	Imports	Producer and Distributor Stocks 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	227,604	18,988	144,004	5,219
April - June	249,352	1,609	42,104	217,439	23,184	151,657	3,041
July - September	257,857	1,725	36,193	259,353	22,175	131,739	3,885
October - December.....	258,644	2,071	34,444	236,243	24,201	134,639	-881
Total	1,032,974	7,201		940,638	88,547		11,265
1996 January - March	258,056	1,713	36,851	243,180	20,516	124,804	3,502
April - June	261,572	1,552	37,344	229,113	23,039	134,301	982
July - September	270,314	2,071	33,780	259,551	23,504	127,586	-392
October - December.....	266,798	1,790	31,065	250,995	23,414	122,978	1,501
Total	1,056,739	7,126		982,838	90,473		5,594
1997 January - March	273,927	1,331	37,544	245,824	20,011	119,847	6,076
Total	273,927	1,331		245,824	20,011		6,076

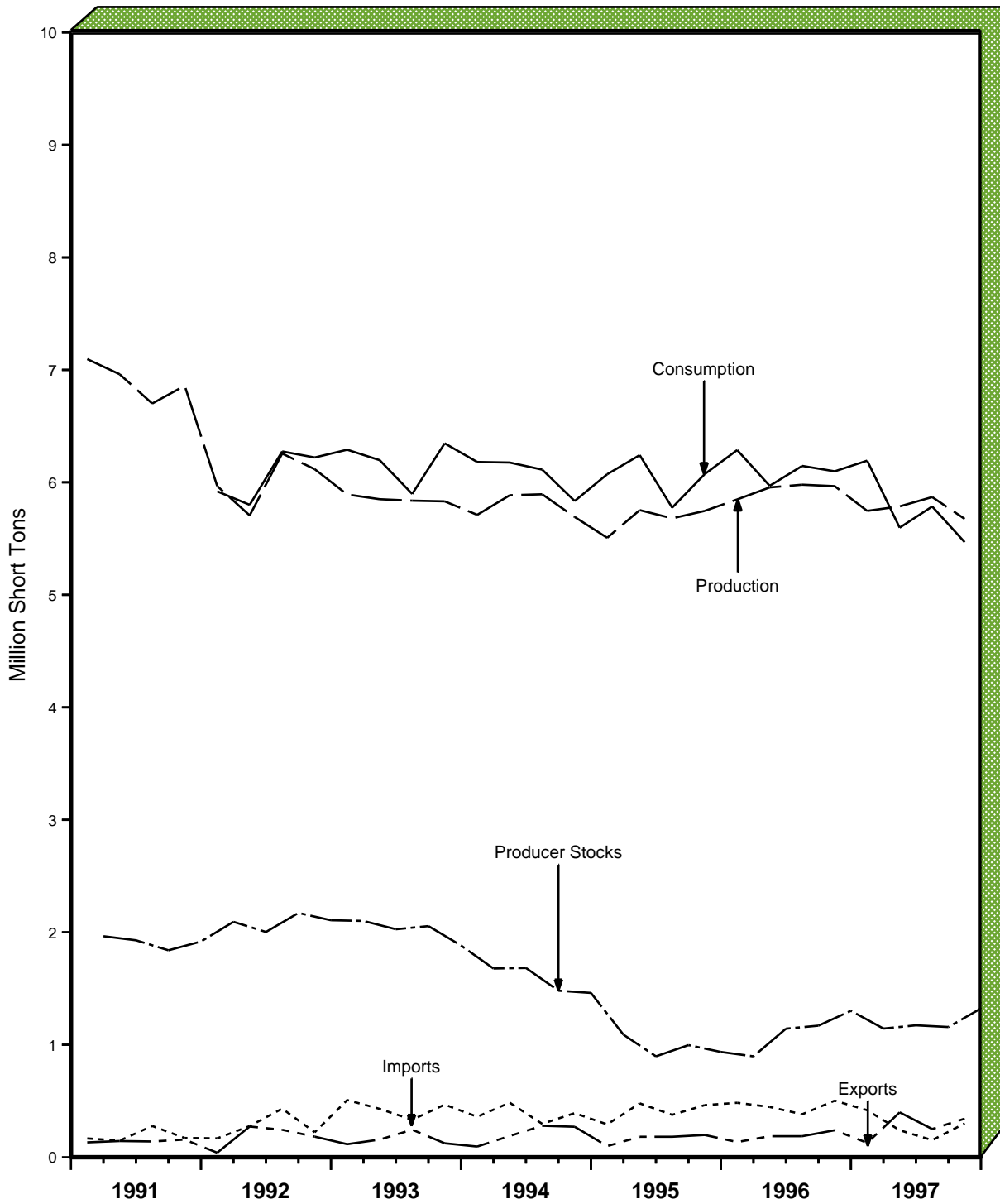
¹ Reported as of the last day of the quarter.

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
Total	5,551	271		5,717	63

¹ Reported as of the last day of the quarter.

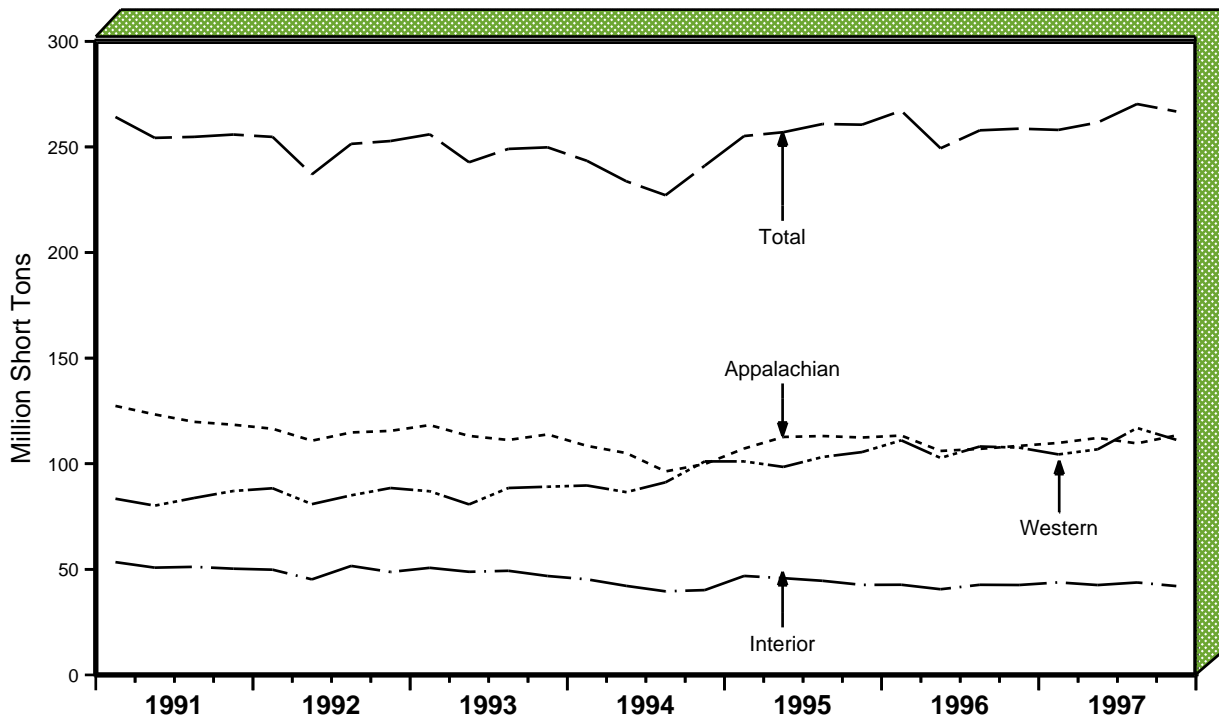
² Consumption is equal to production plus imports plus/minus the change in producer and distributor stocks minus exports.

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.....	258,056	261,572	270,314	266,798	1,056,739
1997.....	273,927	NA	NA	NA	273,927

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	January - March 1997	October - December 1996	January - March 1996	Year to Date		
				1997	1996	Percent Change
Alabama.....	6,484	5,915	5,557	6,484	5,557	16.7
Alaska.....	370	464	436	370	436	-15.1
Arizona.....	2,998	2,755	2,322	2,998	2,322	29.1
Arkansas.....	4	5	7	4	7	-47.2
Colorado.....	7,132	6,297	4,912	7,132	4,912	45.2
Illinois.....	12,127	10,486	12,285	12,127	12,285	-1.3
Indiana.....	7,062	8,562	6,425	7,062	6,425	9.9
Kansas.....	83	54	62	83	62	33.9
Kentucky Total.....	39,297	37,045	37,947	39,297	37,947	3.6
Eastern.....	30,475	28,815	28,870	30,475	28,870	5.6
Western.....	8,823	8,230	9,077	8,823	9,077	-2.8
Louisiana.....	796	752	744	796	744	7.0
Maryland.....	1,170	879	965	1,170	965	21.2
Missouri.....	128	188	154	128	154	-16.4
Montana.....	9,717	10,620	8,493	9,717	8,493	14.4
New Mexico.....	7,139	6,089	5,935	7,139	5,935	20.3
North Dakota.....	7,423	7,970	7,833	7,423	7,833	-5.2
Ohio.....	7,869	7,555	7,139	7,869	7,139	10.2
Oklahoma.....	426	372	469	426	469	-9.2
Pennsylvania Total.....	17,345	17,812	17,624	17,345	17,624	-1.6
Anthracite.....	1,210	1,440	979	1,210	979	23.6
Bituminous.....	16,135	16,372	16,645	16,135	16,645	-3.1
Tennessee.....	932	922	855	932	855	9.1
Texas.....	13,432	13,423	14,586	13,432	14,586	-7.9
Utah.....	6,724	6,949	7,018	6,724	7,018	-4.2
Virginia.....	9,324	9,170	9,168	9,324	9,168	1.7
Washington.....	804	1,089	941	804	941	-14.5
West Virginia Total.....	45,429	42,325	39,669	45,429	39,669	14.5
Northern.....	12,739	11,841	10,868	12,739	10,868	17.2
Southern.....	32,690	30,484	28,801	32,690	28,801	13.5
Wyoming.....	69,710	69,098	66,512	69,710	66,512	4.8
Appalachian Total.....	119,028	113,395	109,847	119,028	109,847	8.4
Interior Total.....	42,882	42,073	43,809	42,882	43,809	-2.1
Western Total.....	112,017	111,330	104,401	112,017	104,401	7.3
East of the Miss. River.....	147,040	140,672	137,633	147,040	137,633	6.8
West of the Miss. River.....	126,887	126,125	120,423	126,887	120,423	5.4
U.S. Total.....	273,927	266,798	258,056	273,927	258,056	6.2

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)

	January - March 1997	October - December 1996	January - March 1996	Year to Date		
				1997	1996	Percent Change
Coke Total	5,551	5,675	5,746	5,551	5,746	-3.4
By State						
Alabama	581	605	607	581	607	-4.3
Illinois	w	w	w	w	w	w
Indiana	1,089	1,119	1,146	1,089	1,146	-4.9
Kentucky	w	w	w	w	w	w
Michigan	w	w	w	w	w	w
New York	w	w	w	w	w	w
Ohio	339	345	342	339	342	-9
Pennsylvania	1,897	1,959	1,890	1,897	1,890	.3
Utah	w	w	w	w	w	w
Virginia	w	w	w	w	w	w
West Virginia	w	w	w	w	w	w
By Plant Type						
Merchant Coke						
Plants	752	779	777	752	777	-3.1
Furnace Coke Plants	4,799	4,896	4,969	4,799	4,969	-3.4
Breeze Total	311	327	366	311	366	-14.9

^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	NA	NA	NA	NA	NA	NA	20,011	1,331

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)

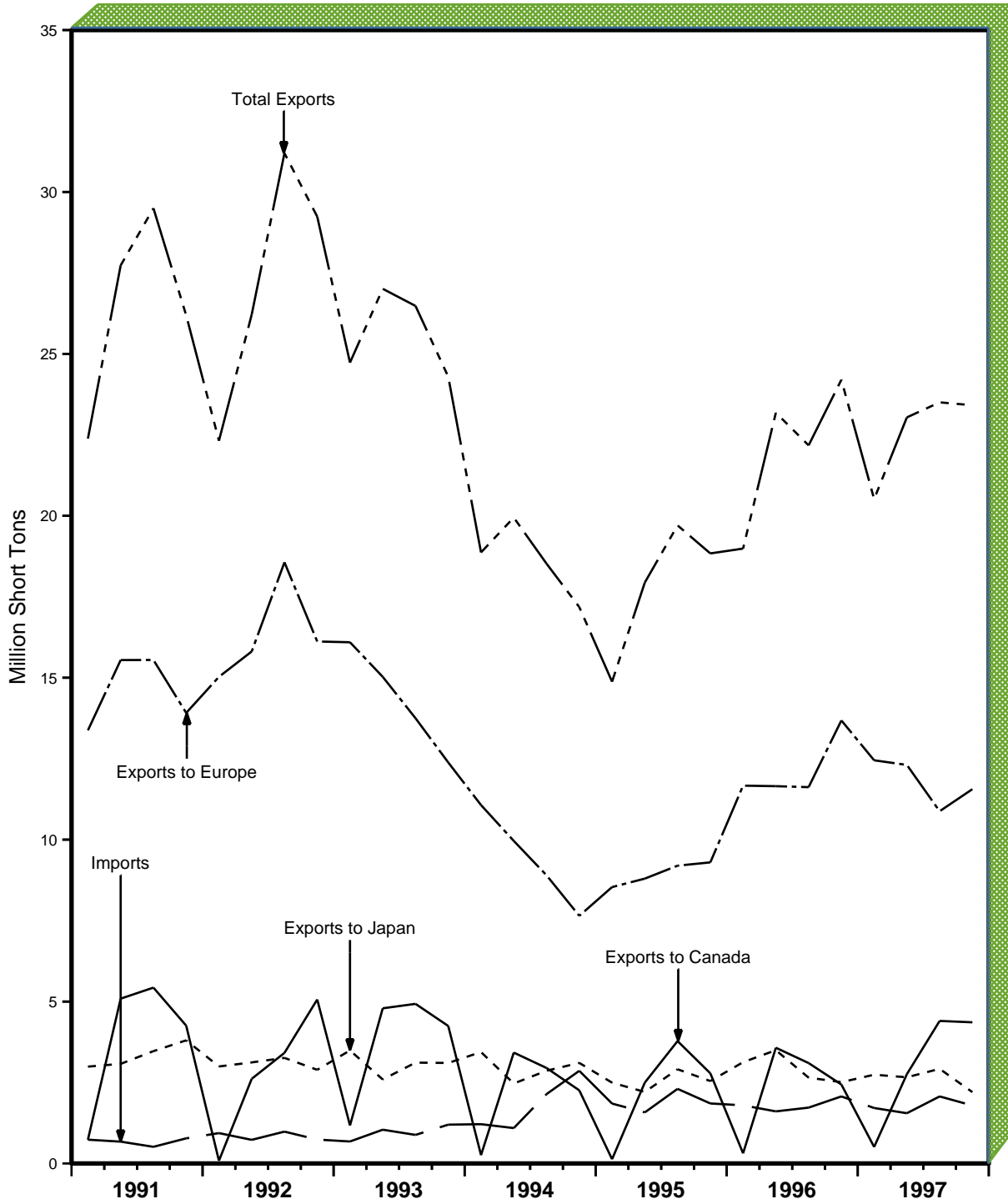
Year	January - March		April - June		July - September		October - December		Total	
	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports
1991.....	\$44.58	\$33.71	\$42.97	\$34.60	\$41.51	\$31.45	\$41.15	\$33.16	\$42.39	\$33.12
1992.....	42.28	33.63	41.34	32.96	40.70	34.43	41.07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

NA Not available.

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

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

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



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

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

Continent and Country of Destination	January - March 1997	October - December 1996	January - March 1996	Year to date		
				1997	1996	Percent Change
North America Total	1,887,005	4,994,143	736,459	1,887,005	736,459	156.2
Canada ¹	1,454,185	4,358,965	510,166	1,454,185	510,166	185.0
Jamaica.....	13,583	8,214	9,718	13,583	9,718	39.8
Mexico.....	413,621	601,406	216,326	413,621	216,326	91.2
Other ²	5,616	25,558	249	5,616	249	(³)
South America Total	2,143,870	2,028,955	1,572,163	2,143,870	1,572,163	36.4
Argentina.....	161,015	48,642	40,473	161,015	40,473	297.8
Brazil.....	1,925,635	1,766,824	1,371,314	1,925,635	1,371,314	40.4
Chile.....	5,481	165,279	150,603	5,481	150,603	-96.4
Other ²	51,739	48,210	9,773	51,739	9,773	429.4
Europe Total	11,079,760	11,559,073	12,450,333	11,079,760	12,450,333	-11.0
Belgium & Luxembourg.....	1,381,891	982,647	1,431,918	1,381,891	1,431,918	-3.5
Bulgaria.....	222,697	336,951	367,941	222,697	367,941	-39.5
Denmark.....	115,742	254,015	431,168	115,742	431,168	-73.2
Finland.....	-	64,483	51,315	-	51,315	-
France.....	933,504	1,189,507	1,038,012	933,504	1,038,012	-10.1
Germany, FR.....	130,541	257,911	358,994	130,541	358,994	-63.6
Ireland.....	263,513	253,354	246,656	263,513	246,656	6.8
Italy.....	1,730,088	2,096,012	2,802,191	1,730,088	2,802,191	-38.3
Netherlands.....	1,680,345	1,453,385	2,062,313	1,680,345	2,062,313	-18.5
Norway.....	17,303	28,583	14,628	17,303	14,628	18.3
Portugal.....	202,358	713,563	254,535	202,358	254,535	-20.5
Romania.....	298,579	389,859	295,697	298,579	295,697	1.0
Spain.....	997,971	963,909	910,245	997,971	910,245	9.6
Sweden.....	81,474	376,979	157,490	81,474	157,490	-48.3
Turkey.....	596,184	530,715	493,583	596,184	493,583	20.8
United Kingdom.....	2,410,792	1,554,596	1,511,184	2,410,792	1,511,184	59.5
Other ²	16,778	112,604	22,463	16,778	22,463	-25.3
Asia Total	3,955,310	4,198,062	4,580,924	3,955,310	4,580,924	-13.7
China (Taiwan).....	640,481	501,141	590,228	640,481	590,228	8.5
Israel.....	286,304	382,541	247,167	286,304	247,167	15.8
Japan.....	2,360,432	2,203,491	2,741,494	2,360,432	2,741,494	-13.9
Korea, Republic of.....	633,343	1,109,803	984,898	633,343	984,898	-35.7
Other ²	34,750	1,086	17,137	34,750	17,137	102.8
Oceania & Australia Total	-	608	-	-	-	-
Africa Total	945,126	633,258	1,175,747	945,126	1,175,747	-19.6
Algeria.....	54,980	61,640	59,912	54,980	59,912	-8.2
Egypt.....	379,890	245,167	289,750	379,890	289,750	31.1
Morocco.....	141,980	142,805	525,205	141,980	525,205	-73.0
South Africa, Rep of.....	368,276	183,646	300,880	368,276	300,880	22.4
Total	20,011,071	23,414,099	20,515,626	20,011,071	20,515,626	-2.5

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

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

³ Changes of 500 percent or more are not shown.

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

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

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

Continent and Country of Destination	January - March 1997	October - December 1996	January - March 1996	Year to date		
				1997	1996	Percent Change
North America Total	\$33.23	\$31.95	\$37.87	\$33.23	\$37.87	-12.3
Canada ¹	31.30	30.94	35.49	31.30	35.49	-11.8
Jamaica.....	41.96	37.20	35.37	41.96	35.37	18.6
Mexico.....	39.35	38.72	43.51	39.35	43.51	-9.6
Other ²	40.68	39.77	-	40.68	-	-
South America Total	44.43	43.59	43.46	44.43	43.46	2.2
Argentina.....	48.18	48.36	43.06	48.18	43.06	11.9
Brazil.....	44.22	44.62	44.62	44.22	44.62	-9
Chile.....	39.82	31.98	31.08	39.82	31.08	28.1
Other ²	40.92	40.30	32.29	40.92	32.29	26.7
Europe Total	42.39	42.16	41.79	42.39	41.79	1.4
Belgium & Luxembourg.....	46.28	45.27	46.57	46.28	46.57	-6
Bulgaria.....	46.30	45.75	41.92	46.30	41.92	10.5
Denmark.....	36.15	29.09	30.25	36.15	30.25	19.5
Finland.....	-	34.29	45.22	-	45.22	-
France.....	45.97	44.96	42.43	45.97	42.43	8.3
Germany, FR.....	42.71	51.38	36.64	42.71	36.64	16.6
Ireland.....	37.93	37.40	37.11	37.93	37.11	2.2
Italy.....	45.97	45.41	44.37	45.97	44.37	3.6
Netherlands.....	43.71	42.53	41.36	43.71	41.36	5.7
Norway.....	-	51.90	57.89	-	-	-
Portugal.....	38.81	36.19	36.06	38.81	36.06	7.6
Romania.....	44.57	43.38	45.63	44.57	45.63	-2.3
Spain.....	38.14	40.23	38.69	38.14	38.69	-1.4
Sweden.....	48.31	47.71	48.16	48.31	48.16	.3
Turkey.....	46.19	42.36	44.56	46.19	44.56	3.7
United Kingdom.....	36.28	36.98	37.98	36.28	37.98	-4.5
Other ²	54.86	35.31	56.90	-	-	-3.6
Asia Total	39.75	39.17	40.64	39.75	40.64	-2.2
China (Taiwan).....	37.49	37.12	37.76	37.49	37.76	-7
Israel.....	37.09	37.01	34.88	37.09	34.88	6.3
Japan.....	39.29	39.58	40.52	39.29	40.52	-3.1
Korea, Republic of.....	45.24	40.00	44.16	45.24	44.16	2.4
Other ²	34.97	38.70	34.99	34.97	34.99	-1
Oceania & Australia Total	-	40.71	-	-	-	-
Africa Total	48.25	47.18	43.88	48.25	43.88	10.0
Algeria.....	48.46	51.24	50.74	48.46	-	-4.5
Egypt.....	53.77	51.77	53.89	-	-	-2
Morocco.....	30.67	35.52	34.36	30.67	34.36	-10.7
South Africa, Rep of.....	49.30	48.76	49.48	49.30	49.48	-4
Total ³	41.53	39.76	41.66	41.53	41.66	-3
U.S. Total ⁴	41.72	40.08	41.77	41.72	41.77	-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 10. U.S. Steam Coal Exports
(Short Tons)

Continent and Country of Destination	January - March 1997	October - December 1996	January - March 1996	Year to date		
				1997	1996	Percent Change
North America Total	1,685,358	3,119,185	351,379	1,685,358	351,379	379.6
Canada ¹	1,335,745	2,616,991	248,155	1,335,745	248,155	438.3
Jamaica.....	13,583	8,214	9,718	13,583	9,718	39.8
Mexico.....	330,414	468,422	93,257	330,414	93,257	254.3
Other ²	5,616	25,558	249	5,616	249	(3)
South America Total	123,685	226,759	97,023	123,685	97,023	27.5
Argentina.....	18,342	10,695	351	18,342	351	(3)
Brazil.....	48,123	2,575	14,142	48,123	14,142	240.3
Chile.....	5,481	165,279	72,954	5,481	72,954	-92.5
Other ²	51,739	48,210	9,576	51,739	9,576	440.3
Europe Total	3,788,566	4,478,370	5,170,355	3,788,566	5,170,355	-26.7
Belgium & Luxembourg.....	295,052	317,255	242,011	295,052	242,011	21.9
Bulgaria.....	-	54,633	-	-	-	-
Denmark.....	115,742	254,015	431,168	115,742	431,168	-73.2
Finland.....	-	64,483	-	-	-	-
France.....	131,324	283,235	336,186	131,324	336,186	-60.9
Germany, FR.....	65,184	-	276,007	65,184	276,007	-76.4
Ireland.....	142,692	253,354	246,656	142,692	246,656	-42.1
Italy.....	652,416	808,770	1,209,039	652,416	1,209,039	-46.0
Netherlands.....	348,582	361,480	864,364	348,582	864,364	-59.7
Norway.....	-	12,397	-	-	-	-
Portugal.....	129,559	645,540	254,535	129,559	254,535	-49.1
Spain.....	374,776	365,772	369,555	374,776	369,555	1.4
Sweden.....	-	5,512	-	-	-	-
Turkey.....	1,278	890	122,337	1,278	122,337	-99.0
United Kingdom.....	1,528,446	938,430	818,497	1,528,446	818,497	86.7
Other ²	3,515	112,604	-	3,515	-	-
Asia Total	1,955,869	1,883,447	2,021,617	1,955,869	2,021,617	-3.3
China (Taiwan).....	502,748	385,489	454,096	502,748	454,096	10.7
Israel.....	254,209	247,829	247,167	254,209	247,167	2.8
Japan.....	1,094,240	844,238	1,081,976	1,094,240	1,081,976	1.1
Korea, Republic of.....	81,769	404,805	233,214	81,769	233,214	-64.9
Other ²	22,903	1,086	5,164	22,903	5,164	343.5
Oceania & Australia Total	-	608	-	-	-	-
Africa Total	142,731	142,805	526,115	142,731	526,115	-72.9
Egypt.....	751	-	910	751	910	-17.5
Morocco.....	141,980	142,805	525,205	141,980	525,205	-73.0
Total	7,696,209	9,851,174	8,166,489	7,696,209	8,166,489	-5.8

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

² Includes countries with exports less than or equal to 50,000 short tons in 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	January - March 1997	October - December 1996	January - March 1996	Year to date		
				1997	1996	Percent Change
North America Total	\$32.15	\$29.02	\$35.76	\$32.15	\$35.76	-10.1
Canada ¹	30.70	27.54	34.17	30.70	34.17	-10.2
Jamaica.....	41.96	37.20	35.37	41.96	35.37	18.6
Mexico.....	37.24	36.14	39.98	37.24	39.98	-6.9
Other ²	40.68	39.77	-	40.68	-	-
South America Total	42.64	33.97	34.43	42.64	34.43	23.8
Argentina.....	40.81	40.81	-	40.81	-	-
Brazil.....	45.51	40.73	41.13	45.51	41.13	10.7
Chile.....	39.82	31.98	32.66	39.82	32.66	21.9
Other ²	40.92	40.30	31.91	40.92	31.91	28.2
Europe Total	32.52	33.54	34.19	32.52	34.19	-4.9
Belgium & Luxembourg.....	37.09	36.27	37.17	37.09	37.17	-2
Bulgaria.....	-	53.66	-	-	-	-
Denmark.....	36.15	29.09	30.25	36.15	30.25	19.5
Finland.....	-	34.29	-	-	-	-
France.....	34.65	35.54	35.30	34.65	35.30	-1.8
Germany, FR.....	37.88	-	33.21	37.88	33.21	14.0
Ireland.....	38.37	37.40	37.11	38.37	37.11	3.4
Italy.....	41.63	39.89	41.16	41.63	41.16	1.1
Netherlands.....	32.52	33.19	33.11	32.52	33.11	-1.8
Portugal.....	35.38	35.27	36.06	35.38	36.06	-1.9
Spain.....	21.65	21.69	21.48	21.65	21.48	.8
Sweden.....	-	43.45	-	-	-	-
Turkey.....	40.77	40.75	42.05	40.77	42.05	-3.0
United Kingdom.....	28.92	28.76	29.22	28.92	29.22	-1.0
Other ²	34.70	35.31	-	34.70	-	-
Asia Total	35.77	35.43	35.60	35.77	35.60	.5
China (Taiwan).....	35.63	35.10	35.31	35.63	35.31	.9
Israel.....	35.58	34.88	34.88	35.58	34.88	2.0
Japan.....	36.20	35.78	35.99	36.20	35.99	.6
Korea, Republic of.....	34.96	35.35	35.14	34.96	35.14	-5
Other ²	23.22	38.70	34.99	23.22	34.99	-33.7
Oceania & Australia Total	-	40.71	-	-	-	-
Africa Total	30.73	35.52	34.37	30.73	34.37	-10.6
Egypt.....	40.80	-	40.78	40.80	40.78	.1
Morocco.....	30.67	35.52	34.36	30.67	34.36	-10.7
Total ³	33.40	32.57	34.61	33.40	34.61	-3.5
U.S. Total ⁴	33.92	33.39	34.94	33.92	34.94	-2.9

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

² Includes countries with exports less than or equal to 50,000 short tons in 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	January - March 1997	October - December 1996	January - March 1996	Year to date		
				1997	1996	Percent Change
North America Total	201,647	1,874,958	385,080	201,647	385,080	-47.6
Canada ¹	118,440	1,741,974	262,011	118,440	262,011	-54.8
Mexico.....	83,207	132,984	123,069	83,207	123,069	-32.4
South America Total	2,020,185	1,802,196	1,475,140	2,020,185	1,475,140	36.9
Argentina.....	142,673	37,947	40,122	142,673	40,122	255.6
Brazil.....	1,877,512	1,764,249	1,357,172	1,877,512	1,357,172	38.3
Chile.....	-	-	77,649	-	77,649	-
Other ²	-	-	197	-	197	-
Europe Total	7,291,194	7,080,703	7,279,978	7,291,194	7,279,978	.2
Belgium & Luxembourg.....	1,086,839	665,392	1,189,907	1,086,839	1,189,907	-8.7
Bulgaria.....	222,697	282,318	367,941	222,697	367,941	-39.5
Finland.....	-	-	51,315	-	51,315	-
France.....	802,180	906,272	701,826	802,180	701,826	14.3
Germany, FR.....	65,357	257,911	82,987	65,357	82,987	-21.2
Ireland.....	120,821	-	-	120,821	-	-
Italy.....	1,077,672	1,287,242	1,593,152	1,077,672	1,593,152	-32.4
Netherlands.....	1,331,763	1,091,905	1,197,949	1,331,763	1,197,949	11.2
Norway.....	17,303	16,186	14,628	17,303	14,628	18.3
Portugal.....	72,799	68,023	-	72,799	-	-
Romania.....	298,579	389,859	295,697	298,579	295,697	1.0
Spain.....	623,195	598,137	540,690	623,195	540,690	15.3
Sweden.....	81,474	371,467	157,490	81,474	157,490	-48.3
Turkey.....	594,906	529,825	371,246	594,906	371,246	60.2
United Kingdom.....	882,346	616,166	692,687	882,346	692,687	27.4
Other ²	13,263	-	22,463	13,263	22,463	-41.0
Asia Total	1,999,441	2,314,615	2,559,307	1,999,441	2,559,307	-21.9
China (Taiwan).....	137,733	115,652	136,132	137,733	136,132	1.2
Israel.....	32,095	134,712	-	32,095	-	-
Japan.....	1,266,192	1,359,253	1,659,518	1,266,192	1,659,518	-23.7
Korea, Republic of.....	551,574	704,998	751,684	551,574	751,684	-26.6
Other ²	11,847	-	11,973	11,847	11,973	-1.1
Africa Total	802,395	490,453	649,632	802,395	649,632	23.5
Algeria.....	54,980	61,640	59,912	54,980	59,912	-8.2
Egypt.....	379,139	245,167	288,840	379,139	288,840	31.3
South Africa, Rep of.....	368,276	183,646	300,880	368,276	300,880	22.4
Total	12,314,862	13,562,925	12,349,137	12,314,862	12,349,137	-3

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	January - March 1997	October - December 1996	January - March 1996	Year to date		
				1997	1996	Percent Change
North America Total	\$41.80	\$36.57	\$39.36	\$41.80	\$39.36	6.2
Canada ¹	37.73	35.73	36.44	37.73	36.44	3.6
Mexico.....	47.59	48.31	45.58	47.59	45.58	4.4
South America Total	44.53	44.75	43.85	44.53	43.85	1.6
Argentina.....	49.12	50.46	43.06	49.12	43.06	14.1
Brazil.....	44.19	44.63	44.65	44.19	44.65	-1.0
Chile.....	-	-	30.26	-	30.26	-
Other ²	-	-	50.76	-	-	-
Europe Total	47.54	47.61	47.20	47.54	47.20	.7
Belgium & Luxembourg.....	48.77	49.56	48.48	48.77	48.48	.6
Bulgaria.....	46.30	44.22	41.92	46.30	41.92	10.5
Finland.....	-	-	45.22	-	45.22	-
France.....	47.82	47.90	45.85	47.82	45.85	4.3
Germany, FR.....	47.52	51.38	48.03	47.52	48.03	-1.1
Ireland.....	37.42	-	-	37.42	-	-
Italy.....	48.60	48.87	46.81	48.60	46.81	3.8
Netherlands.....	46.64	45.62	47.32	46.64	47.32	-1.4
Norway.....	-	51.90	57.89	-	-	-
Portugal.....	44.91	44.91	-	44.91	-	-
Romania.....	44.57	43.38	45.63	44.57	45.63	-2.3
Spain.....	48.05	51.57	50.44	48.05	-	-4.7
Sweden.....	48.31	47.77	48.16	48.31	48.16	.3
Turkey.....	46.20	42.36	45.38	46.20	45.38	1.8
United Kingdom.....	49.04	49.50	48.34	49.04	48.34	1.5
Other ²	59.89	-	56.90	-	-	5.3
Asia Total	43.64	42.21	44.63	43.64	44.63	-2.2
China (Taiwan).....	44.30	43.84	45.94	44.30	45.94	-3.6
Israel.....	49.08	40.91	-	49.08	-	-
Japan.....	41.94	41.95	43.47	41.94	43.47	-3.5
Korea, Republic of.....	46.76	42.68	46.96	46.76	46.96	-4
Other ²	57.51	-	-	-	-	-
Africa Total	51.37	50.58	51.57	-	-	-4
Algeria.....	48.46	51.24	50.74	48.46	-	-4.5
Egypt.....	53.79	51.77	53.93	-	-	-3
South Africa, Rep of.....	49.30	48.76	49.48	49.30	49.48	-4
Total ³	46.57	44.89	46.25	46.57	46.25	.7
U.S. Total ⁴	46.60	44.95	46.28	46.60	46.28	.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.

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	January - March 1997	October - December 1996	January - March 1996	Year to date		
				1997	1996	Percent Change
Eastern Total	13,507,594	14,547,649	14,816,993	13,507,594	14,816,993	-8.8
Baltimore, MD.....	2,092,011	2,492,159	2,963,736	2,092,011	2,963,736	-29.4
Portland, ME.....	86	-	66	86	66	30.3
Buffalo, NY.....	330,576	710,211	94,342	330,576	94,342	250.4
New York City, NY.....	888	351	4,694	888	4,694	-81.1
Ogdensburg, NY.....	4,391	51,009	29,816	4,391	29,816	-85.3
Philadelphia, PA.....	36,556	131,818	355	36,556	355	(¹)
Norfolk, VA.....	11,042,299	11,161,995	11,723,767	11,042,299	11,723,767	-5.8
St. Albans, VT.....	787	106	217	787	217	262.7
Southern Total	4,251,537	3,813,414	3,998,380	4,251,537	3,998,380	6.3
Mobile, AL.....	1,375,263	1,312,181	1,392,824	1,375,263	1,392,824	-1.3
Savannah, GA.....	27,655	-	-	27,655	-	-
Miami, FL.....	-	1,941	-	-	-	-
New Orleans, LA.....	2,327,827	1,869,629	2,400,911	2,327,827	2,400,911	-3.0
Wilmington, NC.....	-	20	8	-	8	-
San Juan, PR.....	23	-	442	23	442	-94.8
Charleston, SC.....	82,570	23,923	49,289	82,570	49,289	67.5
Houston-Galveston, TX.....	107,785	128,958	61,649	107,785	61,649	74.8
Laredo, TX.....	330,414	476,762	93,257	330,414	93,257	254.3
Western Total	1,341,829	1,607,885	1,308,293	1,341,829	1,308,293	2.6
Anchorage, AK.....	78,740	300,483	174,745	78,740	174,745	-54.9
Nogales, AZ.....	-	22	-	-	-	-
Los Angeles, CA.....	1,241,113	1,306,920	1,072,144	1,241,113	1,072,144	15.8
San Francisco, CA.....	-	-	644	-	644	-
Great Falls, MT.....	56	124	122	56	122	-54.1
Seattle, WA.....	21,920	336	60,638	21,920	60,638	-63.9
Northern Total	903,412	3,438,748	363,281	903,412	363,281	148.7
Detroit, MI.....	726,073	1,729,744	99,690	726,073	99,690	(¹)
Duluth, MN.....	-	49,979	-	-	-	-
Pembina, ND.....	29	314	-	29	-	-
Cleveland, OH.....	177,310	1,658,711	263,591	177,310	263,591	-32.7
Other Ports	6,699	6,403	28,679	6,699	28,679	-76.6
Total	20,011,071	23,414,099	20,515,626	20,011,071	20,515,626	-2.5

¹ Changes of 500 percent or more are not shown.

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

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

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

Continent and Country of Destination	January - March 1997	October - December 1996	January - March 1996	Year to date		
				1997	1996	Percent Change
North America Total	51,578	216,286	44,034	51,578	44,034	17.1
Canada ¹	2,333	165,744	21,448	2,333	21,448	-89.1
Mexico.....	48,650	49,716	14,109	48,650	14,109	244.8
Other ²	595	826	8,477	595	8,477	-93.0
South America Total	11,563	7,032	-	11,563	-	-
Europe Total	-	119,565	84,423	-	84,423	-
Romania.....	-	83,804	-	-	-	-
Other ²	-	35,761	84,423	-	84,423	-
Total	63,141	342,883	128,457	63,141	128,457	-50.8

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

² Includes countries with exports less than or equal to 50,000 short tons in 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	January - March 1997	October - December 1996	January - March 1996	Year to date		
				1997	1996	Percent Change
North America Total	180,867	377,456	364,879	180,867	364,879	-50.4
Canada.....	180,514	372,342	364,462	180,514	364,462	-50.5
Mexico.....	353	5,114	417	353	417	-15.3
South America Total	639,561	834,115	1,022,966	639,561	1,022,966	-37.5
Colombia.....	492,487	542,460	628,902	492,487	628,902	-21.7
Venezuela.....	147,074	291,655	394,064	147,074	394,064	-62.7
Europe Total	7,827	436	-	7,827	-	-
Belgium & Luxembourg.....	1,238	407	-	1,238	-	-
Norway.....	6,589	-	-	6,589	-	-
Turkey.....	-	29	-	-	-	-
Asia Total	407,979	514,570	247,654	407,979	247,654	64.7
China (Mainland).....	149	-	-	149	-	-
Indonesia.....	395,706	514,568	247,654	395,706	247,654	59.8
Japan.....	-	2	-	-	-	-
Vietnam.....	12,124	-	-	12,124	-	-
Oceania & Australia Total	95,156	63,106	77,842	95,156	77,842	22.2
Australia.....	54,151	63,106	77,842	54,151	77,842	-30.4
New Zealand.....	41,005	-	-	41,005	-	-
Total	1,331,390	1,789,683	1,713,341	1,331,390	1,713,341	-22.3

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	January - March 1997	October - December 1996	January - March 1996	Year to date		
				1997	1996	Percent Change
North America Total	\$26.90	\$37.16	\$32.36	\$26.90	\$32.36	-16.9
Canada.....	26.90	37.23	32.37	26.90	32.37	-16.9
Mexico.....	-	34.11	22.68	-	22.68	-
South America Total	31.90	32.07	32.15	31.90	32.15	-8
Colombia.....	31.98	32.13	31.15	31.98	31.15	2.7
Venezuela.....	31.64	31.97	33.74	31.64	33.74	-6.2
Asia Total	31.82	31.42	39.04	31.82	39.04	-18.5
Indonesia.....	31.82	31.42	39.04	31.82	39.04	-18.5
Oceania & Australia Total	33.80	33.22	33.84	33.80	33.84	-.1
Australia.....	33.80	33.22	33.84	33.80	33.84	-.1
Total ¹	31.32	32.66	33.27	31.32	33.27	-5.9
U.S. Total ²	33.85	34.55	33.52	33.85	33.52	1.0

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

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

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

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

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

Customs District	January - March 1997	October - December 1996	January - March 1996	Year to date		
				1997	1996	Percent Change
Eastern Total	384,196	495,101	495,965	384,196	495,965	-22.5
Boston, MA.....	226,879	401,208	423,896	226,879	423,896	-46.5
Portland, ME.....	86,710	65,798	44,624	86,710	44,624	94.3
Buffalo, NY.....	1,238	407	31	1,238	31	(b)
New York City, NY.....	69,369	-	-	69,369	-	-
Ogdensburg, NY.....	-	-	50	-	50	-
Philadelphia, PA.....	-	27,688	27,364	-	27,364	-
Southern Total	528,894	682,769	604,628	528,894	604,628	-12.5
Mobile, AL.....	63,890	31,417	189,611	63,890	189,611	-66.3
Savannah, GA.....	25,800	-	-	25,800	-	-
Tampa, FL.....	138,899	316,915	304,095	138,899	304,095	-54.3
New Orleans, LA.....	259,814	299,082	77,160	259,814	77,160	236.7
San Juan, PR.....	28,014	30,212	33,345	28,014	33,345	-16.0
Houston-Galveston, TX.....	12,124	29	-	12,124	-	-
Laredo, TX.....	353	5,114	417	353	417	-15.3
Western Total	265,213	247,299	248,336	265,213	248,336	6.8
Los Angeles, CA.....	149	2	-	149	-	-
Honolulu, HI.....	231,048	239,469	248,336	231,048	248,336	-7.0
Portland, OR.....	6,589	-	-	6,589	-	-
Seattle, WA.....	27,427	7,828	-	27,427	-	-
Northern Total	153,087	364,514	364,412	153,087	364,412	-58.0
Chicago, IL.....	-	57,275	88,146	-	88,146	-
Detroit, MI.....	5,471	127,448	28,063	5,471	28,063	-80.5
Duluth, MN.....	416	67,122	87,518	416	87,518	-99.5
Pembina, ND.....	147,200	112,669	160,685	147,200	160,685	-8.4
Total	1,331,390	1,789,683	1,713,341	1,331,390	1,713,341	-22.3

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)

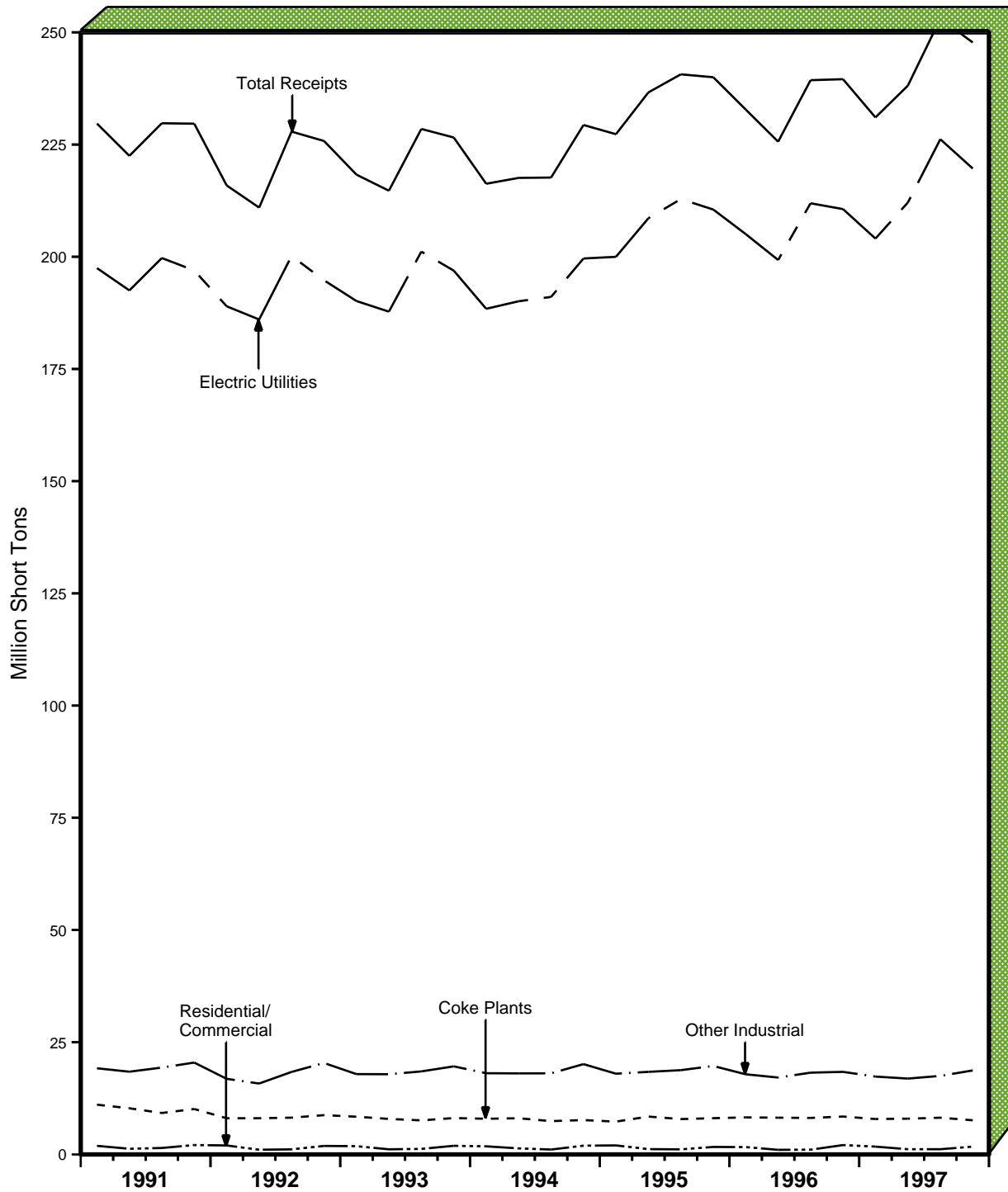
Continent and Country of Origin	January - March 1997	October - December 1996	January - March 1996	Year to date		
				1997	1996	Percent Change
North America Total	5,680	10,557	17,658	5,680	17,658	-67.8
Canada.....	5,680	10,557	17,658	5,680	17,658	-67.8
Asia Total	264,919	290,213	400,249	264,919	400,249	-33.8
China (Mainland).....	46,685	48,883	133,739	46,685	133,739	-65.1
Japan.....	218,234	241,330	266,510	218,234	266,510	-18.1
Total	270,599	300,770	417,907	270,599	417,907	-35.2

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."

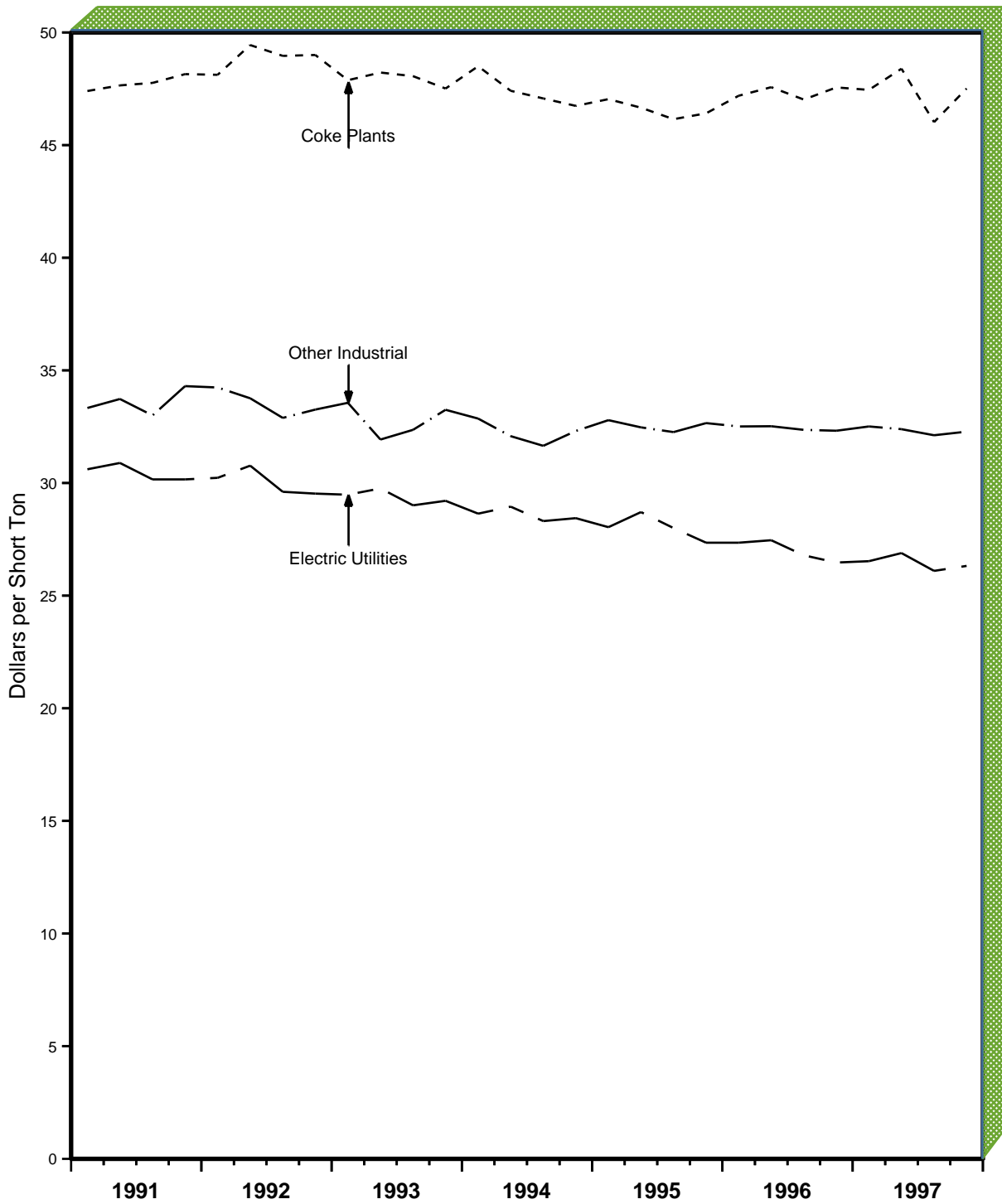
Table 20. U.S. Coal Receipts by End-Use Sector, 1991-1997
(Thousand Short Tons)

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	17,859	1,638	232,812
April - June	199,275	8,192	17,137	1,032	225,635
July - September	211,914	8,135	18,225	1,063	239,337
October - December	210,617	8,449	18,402	2,091	239,558
Total	826,860	33,036	71,622	5,824	937,342
1996 January - March	204,394	7,894	17,351	1,747	231,386
April - June	212,197	7,974	16,905	1,165	238,241
July - September	226,454	8,187	17,501	1,165	253,307
October - December	219,656	7,616	18,718	1,747	247,737
Total	862,701	31,672	70,475	5,824	970,671
1997 January - March	213,666	7,330	17,312	1,747	240,055
Total	213,666	7,330	17,312	1,747	240,055

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	47.51	32.28
Average Annual Price	26.45	47.33	32.32
1997 January - March	26.52	48.10	32.65

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	January - March 1997	October - December 1996	January - March 1996	Year to Date		
				1997	1996	Percent Change
New England Total	1,762	1,856	1,640	1,762	1,640	7.4
Connecticut.....	225	254	197	225	197	14.5
Maine.....	44	72	57	44	57	-23.4
Massachusetts.....	1,065	1,149	1,045	1,065	1,045	1.8
New Hampshire.....	428	380	340	428	340	25.8
Rhode Island.....	1	1	1	1	1	.0
Vermont.....	1	1	1	1	1	.0
Middle Atlantic Total	18,355	18,208	17,419	18,355	17,419	5.4
New Jersey.....	573	794	508	573	508	12.7
New York.....	2,647	2,975	2,517	2,647	2,517	5.2
Pennsylvania.....	15,136	14,439	14,394	15,136	14,394	5.2
East North Central Total	53,559	58,407	50,449	53,559	50,449	6.2
Illinois.....	12,294	11,983	9,720	12,294	9,720	26.5
Indiana.....	15,200	14,937	16,143	15,200	16,143	-5.8
Michigan.....	5,803	10,113	4,639	5,803	4,639	25.1
Ohio.....	14,758	14,804	14,313	14,758	14,313	3.1
Wisconsin.....	5,505	6,569	5,634	5,505	5,634	-2.3
West North Central Total	34,049	33,452	33,723	34,049	33,723	1.0
Iowa.....	4,925	4,559	5,117	4,925	5,117	-3.8
Kansas.....	4,547	4,195	4,402	4,547	4,402	3.3
Minnesota.....	5,362	4,843	4,801	5,362	4,801	11.7
Missouri.....	8,300	8,694	7,916	8,300	7,916	4.8
Nebraska.....	2,870	2,691	2,917	2,870	2,917	-1.6
North Dakota.....	7,509	8,142	8,025	7,509	8,025	-6.4
South Dakota.....	536	328	545	536	545	-1.6
South Atlantic Total	41,009	41,339	38,645	41,009	38,645	6.1
Delaware.....	454	606	353	454	353	28.4
District of Columbia.....	2	2	2	2	2	.0
Florida.....	6,832	7,172	6,173	6,832	6,173	10.7
Georgia.....	7,110	6,772	7,083	7,110	7,083	.4
Maryland.....	2,789	3,050	3,172	2,789	3,172	-12.1
North Carolina.....	7,435	7,365	6,051	7,435	6,051	22.9
South Carolina.....	3,419	3,878	2,812	3,419	2,812	21.6
Virginia.....	4,121	4,007	3,732	4,121	3,732	10.4
West Virginia.....	8,846	8,487	9,268	8,846	9,268	-4.5
East South Central Total	27,795	27,094	27,587	27,795	27,587	.8
Alabama.....	8,661	8,965	8,658	8,661	8,658	*
Kentucky.....	10,731	10,057	10,609	10,731	10,609	1.2
Mississippi.....	1,452	1,727	1,012	1,452	1,012	43.5
Tennessee.....	6,951	6,344	7,309	6,951	7,309	-4.9
West South Central Total	34,772	35,342	36,040	34,772	36,040	-3.5
Arkansas.....	3,133	3,500	3,584	3,133	3,584	-12.6
Louisiana.....	3,114	2,906	3,050	3,114	3,050	2.1
Oklahoma.....	4,867	4,795	4,843	4,867	4,843	.5
Texas.....	23,658	24,142	24,564	23,658	24,564	-3.7
Mountain Total	26,887	29,363	24,065	26,887	24,065	11.7
Arizona.....	3,709	3,929	3,366	3,709	3,366	10.2
Colorado.....	3,988	4,707	4,297	3,988	4,297	-7.2
Idaho.....	134	112	78	134	78	72.1
Montana.....	2,292	2,865	1,672	2,292	1,672	37.1
Nevada.....	1,818	2,271	1,793	1,818	1,793	1.4
New Mexico.....	4,053	4,418	3,063	4,053	3,063	32.3
Utah.....	4,376	4,161	3,536	4,376	3,536	23.7
Wyoming.....	6,519	6,899	6,261	6,519	6,261	4.1
Pacific Total	1,867	2,676	1,817	1,867	1,817	2.7
Alaska.....	157	158	158	157	158	-1
California.....	519	626	571	519	571	-9.2
Hawaii.....	54	64	48	54	48	12.4
Oregon.....	150	618	10	150	10	NM
Washington.....	987	1,210	1,030	987	1,030	-4.2
U.S. Total	240,055	247,737	231,386	240,055	231,386	3.7

* Rounded to zero.

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

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

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

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

Census Division and State	January-March 1997		January-March 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	1,692	175	1,557	170	1,692	175	1,557	170	8.7	2.6
Connecticut.....	218	192	189	191	218	192	189	191	15.1	.4
Massachusetts.....	1,050	177	1,031	171	1,050	177	1,031	171	1.8	3.5
New Hampshire.....	425	161	337	157	425	161	337	157	26.0	2.4
Mid Atlantic	13,617	141	12,598	141	13,617	141	12,598	141	8.1	*
New Jersey.....	568	175	505	177	568	175	505	177	12.6	-1.0
New York.....	1,952	140	1,805	142	1,952	140	1,805	142	8.1	-2.0
Pennsylvania.....	11,097	140	10,288	139	11,097	140	10,288	139	7.9	.3
East North Central	46,697	135	43,529	134	46,697	135	43,529	134	7.3	.8
Illinois.....	10,691	171	8,131	167	10,691	171	8,131	167	31.5	2.6
Indiana.....	12,488	118	13,383	122	12,488	118	13,383	122	-6.7	-3.4
Michigan.....	5,344	134	4,040	135	5,344	134	4,040	135	32.3	-9
Ohio.....	13,072	132	12,770	135	13,072	132	12,770	135	2.4	-2.0
Wisconsin.....	5,101	106	5,204	104	5,101	106	5,204	104	-2.0	2.1
West North Central	30,653	92	30,129	92	30,653	92	30,129	92	1.7	.4
Iowa.....	4,286	91	4,538	94	4,286	91	4,538	94	-5.6	-3.4
Kansas.....	4,482	105	4,333	101	4,482	105	4,333	101	3.4	3.9
Minnesota.....	4,872	112	4,176	110	4,872	112	4,176	110	16.7	2.0
Missouri.....	7,905	94	7,569	94	7,905	94	7,569	94	4.4	-6
Nebraska.....	2,804	59	2,855	73	2,804	59	2,855	73	-1.8	-18.9
North Dakota.....	5,871	77	6,192	73	5,871	77	6,192	73	-5.2	5.9
South Dakota.....	432	93	466	92	432	93	466	92	-7.3	1.1
South Atlantic	36,813	149	34,256	150	36,813	149	34,256	150	7.5	-9
Delaware.....	410	164	306	155	410	164	306	155	33.9	5.8
Florida.....	6,496	178	5,847	179	6,496	178	5,847	179	11.1	-8
Georgia.....	6,553	159	6,538	155	6,553	159	6,538	155	.2	2.1
Maryland.....	2,506	154	2,894	151	2,506	154	2,894	151	-13.4	1.8
North Carolina.....	6,719	145	5,348	155	6,719	145	5,348	155	25.6	-6.2
South Carolina.....	2,876	147	2,242	148	2,876	147	2,242	148	28.3	-5
Virginia.....	3,102	139	2,746	144	3,102	139	2,746	144	13.0	-3.1
West Virginia.....	8,150	124	8,334	126	8,150	124	8,334	126	-2.2	-1.5
East South Central	24,372	125	24,075	124	24,372	125	24,075	124	1.2	.4
Alabama.....	7,212	156	7,157	155	7,212	156	7,157	155	.8	.5
Kentucky.....	9,797	105	9,687	106	9,797	105	9,687	106	1.1	-5
Mississippi.....	1,402	152	948	148	1,402	152	948	148	47.9	2.4
Tennessee.....	5,961	114	6,282	115	5,961	114	6,282	115	-5.1	-2
West South Central	33,319	126	34,613	130	33,319	126	34,613	130	-3.7	-3.0
Arkansas.....	3,041	166	3,500	153	3,041	166	3,500	153	-13.1	8.1
Louisiana.....	3,079	151	3,028	152	3,079	151	3,028	152	1.7	-7
Oklahoma.....	4,692	92	4,649	100	4,692	92	4,649	100	.9	-8.1
Texas.....	22,508	125	23,436	130	22,508	125	23,436	130	-4.0	-4.1
Mountain	25,451	112	22,666	116	25,451	112	22,666	116	12.3	-3.0
Arizona.....	3,520	148	3,199	156	3,520	148	3,199	156	10.0	-4.9
Colorado.....	3,892	103	4,137	107	3,892	103	4,137	107	-5.9	-3.5
Montana.....	2,239	69	1,643	76	2,239	69	1,643	76	36.3	-9.6
Nevada.....	1,771	134	1,748	140	1,771	134	1,748	140	1.3	-4.7
New Mexico.....	4,031	137	3,042	151	4,031	137	3,042	151	32.5	-9.1
Utah.....	4,011	116	3,160	109	4,011	116	3,160	109	26.9	5.6
Wyoming.....	5,987	82	5,737	84	5,987	82	5,737	84	4.4	-1.7
Pacific	1,051	184	972	188	1,051	184	972	188	8.2	-2.0
Oregon.....	135	114	-	-	135	114	-	-	-	-
Washington.....	916	195	972	188	916	195	972	188	-5.7	3.9
U.S. Total	213,666	129	204,394	130	213,666	129	204,394	130	4.5	-4

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

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

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

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

Census Division and State	January-March 1997		January-March 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	1,362	175	1,284	169	1,362	175	1,284	169	6.1	3.1
Connecticut.....	204	192	189	191	204	192	189	191	7.7	.7
Massachusetts.....	906	174	805	169	906	174	805	169	12.6	3.3
New Hampshire.....	252	161	290	157	252	161	290	157	-13.1	2.8
Mid Atlantic	10,680	144	9,541	146	10,680	144	9,541	146	11.9	-1.5
New Jersey.....	561	175	483	178	561	175	483	178	16.2	-1.8
New York.....	1,788	138	1,662	141	1,788	138	1,662	141	7.6	-2.5
Pennsylvania.....	8,331	144	7,397	146	8,331	144	7,397	146	12.6	-1.3
East North Central	34,423	143	33,307	141	34,423	143	33,307	141	3.4	1.3
Illinois.....	9,018	181	7,049	173	9,018	181	7,049	173	27.9	4.4
Indiana.....	8,029	128	9,875	129	8,029	128	9,875	129	-18.7	-8
Michigan.....	4,007	133	3,191	140	4,007	133	3,191	140	25.6	-4.5
Ohio.....	9,202	142	9,141	146	9,202	142	9,141	146	.7	-2.7
Wisconsin.....	4,167	102	4,051	100	4,167	102	4,051	100	2.9	1.7
West North Central	27,494	93	25,719	93	27,494	93	25,719	93	6.9	-2
Iowa.....	3,488	91	3,687	95	3,488	91	3,687	95	-5.4	-4.2
Kansas.....	4,424	105	3,059	113	4,424	105	3,059	113	44.6	-6.5
Minnesota.....	4,802	112	3,875	110	4,802	112	3,875	110	23.9	1.8
Missouri.....	6,569	94	6,315	94	6,569	94	6,315	94	4.0	-2
Nebraska.....	2,103	58	2,125	75	2,103	58	2,125	75	-1.0	-22.7
North Dakota.....	5,676	77	6,192	73	5,676	77	6,192	73	-8.3	5.8
South Dakota.....	432	93	466	92	432	93	466	92	-7.3	1.1
South Atlantic	26,903	149	22,981	157	26,903	149	22,981	157	17.1	-5.1
Delaware.....	300	167	207	159	300	167	207	159	45.2	4.5
Florida.....	4,236	183	4,353	190	4,236	183	4,353	190	-2.7	-3.5
Georgia.....	3,881	165	2,801	165	3,881	165	2,801	165	38.6	.4
Maryland.....	1,756	150	1,812	150	1,756	150	1,812	150	-3.1	.1
North Carolina.....	4,828	147	4,015	159	4,828	147	4,015	159	20.2	-7.3
South Carolina.....	2,204	147	1,610	151	2,204	147	1,610	151	36.9	-2.3
Virginia.....	2,323	139	2,187	143	2,323	139	2,187	143	6.2	-2.8
West Virginia.....	7,373	126	5,996	139	7,373	126	5,996	139	23.0	-9.3
East South Central	18,751	128	17,659	130	18,751	128	17,659	130	6.2	-1.7
Alabama.....	5,901	163	5,830	163	5,901	163	5,830	163	1.2	-2
Kentucky.....	7,299	105	6,805	108	7,299	105	6,805	108	7.3	-3.0
Mississippi.....	1,252	153	695	153	1,252	153	695	153	80.2	-1
Tennessee.....	4,299	112	4,330	116	4,299	112	4,330	116	-7	-3.6
West South Central	31,412	127	33,013	131	31,412	127	33,013	131	-4.8	-2.7
Arkansas.....	2,805	170	3,332	155	2,805	170	3,332	155	-15.8	9.7
Louisiana.....	3,079	151	3,028	152	3,079	151	3,028	152	1.7	-7
Oklahoma.....	4,692	92	4,418	102	4,692	92	4,418	102	6.2	-9.1
Texas.....	20,837	125	22,235	130	20,837	125	22,235	130	-6.3	-3.3
Mountain	23,759	113	21,754	117	23,759	113	21,754	117	9.2	-3.2
Arizona.....	2,944	153	2,865	160	2,944	153	2,865	160	2.7	-4.2
Colorado.....	3,425	106	3,992	109	3,425	106	3,992	109	-14.2	-2.6
Montana.....	2,239	69	1,643	76	2,239	69	1,643	76	36.3	-9.6
Nevada.....	1,678	134	1,748	140	1,678	134	1,748	140	-4.0	-4.4
New Mexico.....	4,031	137	3,042	151	4,031	137	3,042	151	32.5	-9.1
Utah.....	3,810	116	3,017	112	3,810	116	3,017	112	26.3	4.1
Wyoming.....	5,632	83	5,447	84	5,632	83	5,447	84	3.4	-1.4
Pacific	912	195	968	188	912	195	968	188	-5.8	3.9
Washington.....	912	195	968	188	912	195	968	188	-5.8	3.9
U.S. Total	175,697	130	166,226	133	175,697	130	166,226	133	5.7	-1.6

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	January-March 1997		January-March 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	330	174	273	175	330	174	273	175	20.9	-0.2
Connecticut	14	185	-	-	14	185	-	-	-	-
Massachusetts.....	143	190	226	178	143	190	226	178	-36.6	6.9
New Hampshire.....	173	160	47	160	173	160	47	160	267.8	.4
Mid Atlantic	2,937	130	3,057	125	2,937	130	3,057	125	-3.9	4.1
New Jersey.....	7	167	22	146	7	167	22	146	-68.7	13.9
New York.....	164	163	144	158	164	163	144	158	14.3	2.8
Pennsylvania.....	2,766	128	2,891	123	2,766	128	2,891	123	-4.3	3.9
East North Central	12,274	112	10,222	110	12,274	112	10,222	110	20.1	2.2
Illinois.....	1,674	126	1,082	130	1,674	126	1,082	130	54.7	-2.7
Indiana.....	4,459	100	3,509	103	4,459	100	3,509	103	27.1	-2.5
Michigan.....	1,337	136	849	117	1,337	136	849	117	57.4	16.0
Ohio.....	3,870	109	3,629	108	3,870	109	3,629	108	6.6	1.4
Wisconsin.....	934	121	1,153	114	934	121	1,153	114	-19.0	5.9
West North Central	3,160	84	4,411	83	3,160	84	4,411	83	-28.4	.8
Iowa.....	798	87	852	87	798	87	852	87	-6.3	*
Kansas.....	59	66	1,274	72	59	66	1,274	72	-95.4	-8.6
Minnesota.....	70	125	301	110	70	125	301	110	-76.8	13.3
Missouri.....	1,336	92	1,254	94	1,336	92	1,254	94	6.5	-2.6
Nebraska.....	701	63	730	67	701	63	730	67	-3.9	-6.7
North Dakota.....	195	80	-	-	195	80	-	-	-	-
South Atlantic	9,910	148	11,274	135	9,910	148	11,274	135	-12.1	9.3
Delaware.....	110	158	100	147	110	158	100	147	10.5	7.5
Florida.....	2,260	168	1,495	149	2,260	168	1,495	149	51.2	12.9
Georgia.....	2,672	147	3,737	147	2,672	147	3,737	147	-28.5	-3
Maryland.....	750	164	1,082	154	750	164	1,082	154	-30.6	6.4
North Carolina.....	1,891	140	1,333	144	1,891	140	1,333	144	41.9	-2.2
South Carolina.....	672	145	632	139	672	145	632	139	6.3	4.3
Virginia.....	778	142	559	148	778	142	559	148	39.3	-4.6
West Virginia.....	776	107	2,338	93	776	107	2,338	93	-66.8	15.7
East South Central	5,621	116	6,416	110	5,621	116	6,416	110	-12.4	5.8
Alabama.....	1,311	125	1,327	121	1,311	125	1,327	121	-1.2	3.7
Kentucky.....	2,498	107	2,882	101	2,498	107	2,882	101	-13.3	5.7
Mississippi.....	150	138	253	135	150	138	253	135	-40.9	2.7
Tennessee.....	1,662	120	1,953	111	1,662	120	1,953	111	-14.9	8.1
West South Central	1,907	120	1,599	129	1,907	120	1,599	129	19.2	-7.0
Arkansas.....	236	111	168	114	236	111	168	114	40.5	-2.0
Oklahoma.....	-	-	230	79	-	-	230	79	-	-
Texas.....	1,671	121	1,201	139	1,671	121	1,201	139	39.1	-13.4
Mountain	1,691	97	912	84	1,691	97	912	84	85.4	15.9
Arizona.....	576	121	334	118	576	121	334	118	72.4	2.4
Colorado.....	467	83	145	61	467	83	145	61	221.8	36.5
Nevada.....	93	127	-	-	93	127	-	-	-	-
Utah.....	201	97	143	57	201	97	143	57	40.3	69.0
Wyoming.....	355	69	290	71	355	69	290	71	22.4	-3.3
Pacific	139	116	4	176	139	116	4	176	NM	-33.9
Oregon.....	135	114	-	-	135	114	-	-	-	-
Washington.....	4	176	4	176	4	176	4	176	12.3	.0
U.S. Total	37,970	123	38,167	117	37,970	123	38,167	117	-5	4.5

* 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	January-March 1997	October-December 1996	January-March 1996	Year to Date		
				1997	1996	Percent Change
New England	\$44.52	\$43.62	\$43.47	\$44.52	\$43.47	2.4
Connecticut	50.31	50.13	49.85	50.31	49.85	.9
Massachusetts.....	44.26	42.20	43.03	44.26	43.03	2.9
New Hampshire	42.20	43.64	41.24	42.20	41.24	2.3
Mid Atlantic	35.36	34.87	35.43	35.36	35.43	-2
New Jersey	45.98	44.97	46.84	45.98	46.84	-1.9
New York.....	36.43	37.03	37.09	36.43	37.09	-1.8
Pennsylvania	34.63	33.66	34.58	34.63	34.58	.1
East North Central	28.61	28.08	28.50	28.61	28.50	.4
Illinois	33.87	31.28	33.08	33.87	33.08	2.4
Indiana.....	24.51	23.72	25.14	24.51	25.14	-2.5
Michigan	29.28	30.28	29.60	29.28	29.60	-1.1
Ohio.....	31.62	32.17	32.75	31.62	32.75	-3.4
Wisconsin.....	19.19	19.23	18.73	19.19	18.73	2.5
West North Central	15.49	15.21	15.36	15.49	15.36	.9
Iowa.....	15.55	15.97	16.09	15.55	16.09	-3.3
Kansas	18.31	17.83	17.69	18.31	17.69	3.5
Minnesota.....	19.87	17.90	19.56	19.87	19.56	1.6
Missouri.....	16.93	17.33	17.04	16.93	17.04	-6
Nebraska.....	10.11	11.67	12.53	10.11	12.53	-19.3
North Dakota.....	10.25	9.76	9.55	10.25	9.55	7.3
South Dakota.....	16.29	18.31	16.16	16.29	16.16	.8
South Atlantic	36.58	36.42	36.94	36.58	36.94	-1.0
Delaware	42.63	42.12	40.68	42.63	40.68	4.8
Florida	43.18	41.21	44.26	43.18	44.26	-2.4
Georgia.....	36.70	37.21	35.39	36.70	35.39	3.7
Maryland	39.81	38.03	38.99	39.81	38.99	2.1
North Carolina	35.89	36.70	38.45	35.89	38.45	-6.7
South Carolina	37.68	37.51	37.77	37.68	37.77	-2
Virginia	35.05	35.03	36.25	35.05	36.25	-3.3
West Virginia.....	30.69	30.45	31.23	30.69	31.23	-1.7
East South Central	29.09	29.50	29.21	29.09	29.21	-4
Alabama	36.41	36.11	36.47	36.41	36.47	-2
Kentucky	24.33	24.89	24.47	24.33	24.47	-6
Mississippi.....	31.72	31.65	33.31	31.72	33.31	-4.8
Tennessee.....	27.44	27.39	27.62	27.44	27.62	-6
West South Central	19.67	20.50	20.22	19.67	20.22	-2.7
Arkansas.....	28.88	27.43	26.61	28.88	26.61	8.6
Louisiana.....	24.48	24.61	24.94	24.48	24.94	-1.8
Oklahoma.....	16.01	16.24	17.30	16.01	17.30	-7.5
Texas	18.53	19.81	19.23	18.53	19.23	-3.6
Mountain	21.85	20.64	22.54	21.85	22.54	-3.1
Arizona.....	30.04	28.54	31.59	30.04	31.59	-4.9
Colorado.....	20.79	19.09	21.07	20.79	21.07	-1.3
Montana.....	11.32	11.47	12.80	11.32	12.80	-11.6
Nevada.....	29.55	27.55	31.04	29.55	31.04	-4.8
New Mexico.....	24.89	24.39	27.63	24.89	27.63	-9.9
Utah.....	26.16	23.98	25.27	26.16	25.27	3.5
Wyoming.....	14.45	14.10	14.54	14.45	14.54	-7
Pacific	30.26	24.12	29.27	30.26	29.27	3.4
Oregon.....	20.00	19.19	-	20.00	-	-
Washington	31.77	26.55	29.27	31.77	29.27	8.6
U.S. Total	26.52	26.31	26.54	26.52	26.54	-1

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-March 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	2,142	200	1,822	158	264	140	4,228	178	0.90	1.9	0.4	-2.1
Arizona	2,382	124	-	-	-	-	2,382	124	.47	8.4	*	-1.5
Colorado	5,563	125	96	76	-	-	5,659	125	.41	18.8	-1.1	-2.3
Illinois	22	136	4,161	151	5,190	129	9,373	139	1.98	-9.3	1.1	-4.6
Indiana	459	138	2,009	119	4,140	99	6,608	107	2.15	21.0	-1.6	-6
Kansas	-	-	-	-	38	135	38	135	2.81	-19.8	2.9	25.9
Kentucky	3,712	156	17,623	145	7,820	107	29,155	137	1.35	4.6	-1	-1.0
Louisiana	-	-	610	136	208	136	818	136	1.46	15.7	-4.6	1.5
Maryland	7	155	859	124	-	-	866	124	1.33	17.6	-10.1	8.7
Missouri	-	-	-	-	145	104	145	104	3.64	19.5	-5.2	6.6
Montana	2,519	168	4,764	92	-	-	7,282	120	.66	31.9	-3	6.2
New Mexico	1,582	169	4,869	138	-	-	6,451	147	.74	21.3	-8.8	4.3
North Dakota	-	-	5,561	77	215	82	5,776	77	1.12	-6.7	6.4	2.9
Ohio	-	-	38	100	6,379	130	6,417	130	2.95	10.4	-3.3	-3.0
Oklahoma	-	-	-	-	24	105	24	105	2.62	-46.9	-5.9	26.2
Pennsylvania	497	155	8,313	135	3,393	123	12,204	133	1.48	4.7	.3	6.5
Tennessee	5	138	605	128	-	-	610	128	.97	-19.2	4.6	3.3
Texas	-	-	9,390	98	2,844	91	12,234	96	1.58	-6.8	-5	-2.0
Utah	4,761	116	116	116	-	-	4,878	116	.43	10.0	-5	3.8
Virginia	1,368	161	2,325	139	41	117	3,735	147	.83	5.2	-1.3	5.1
Washington	-	-	789	206	-	-	789	206	.79	-18.5	9.9	-15.1
West Virginia	8,236	156	12,811	139	5,440	128	26,486	142	1.18	6.5	.3	-3.5
Wyoming	63,196	118	3,590	116	-	-	66,787	118	.40	3.2	-3	-2.6
Imported.....	657	167	67	146	-	-	724	165	.57	-31.2	-4.2	-8
Total.....	97,109	131	80,419	132	36,139	118	213,666	129	1.08	4.5	-4	-1.5

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

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

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

Table 28. Destination of Coal Received at Electric Utility Plants by Origin, January-March 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	7,212	7,157	81.8	81.5	1.01	1.02	156	155
Alabama.....	4,150	4,030	92.6	96.0	.88	.90	178	179
Illinois.....	435	381	—	—	1.05	1.46	134	124
Kentucky.....	612	965	60.2	59.7	2.07	1.44	112	122
Pennsylvania.....	29	136	100.0	100.0	1.69	1.80	111	111
Tennessee.....	144	167	100.0	100.0	.71	.70	134	132
West Virginia.....	800	664	59.6	45.8	1.56	1.37	128	128
Wyoming.....	1,041	816	100.0	95.4	.28	.37	111	112
Arizona	3,520	3,199	83.6	89.6	.52	.55	148	156
Arizona.....	1,213	1,113	100.0	100.0	.49	.49	126	124
New Mexico.....	2,306	2,086	75.0	84.0	.54	.59	162	176
Arkansas	3,041	3,500	92.2	95.2	.38	.39	166	153
Wyoming.....	3,041	3,500	92.2	95.2	.38	.39	166	153
Colorado	3,892	4,137	88.0	96.5	.37	.41	103	107
Colorado.....	2,717	2,683	87.6	94.6	.40	.42	107	113
Wyoming.....	1,175	1,454	89.0	100.0	.29	.37	91	92
Connecticut	218	189	93.6	100.0	.43	.42	192	191
Kentucky.....	191	189	100.0	100.0	.42	.42	193	191
Virginia.....	4	—	100.0	—	.52	—	184	—
West Virginia.....	23	—	37.8	—	.46	—	188	—
Delaware	410	306	73.2	67.5	.65	.85	164	155
Maryland.....	*	22	100.0	100.0	1.04	1.16	147	149
Pennsylvania.....	70	131	53.3	38.7	1.03	1.10	142	145
Virginia.....	25	—	64.6	—	.68	—	162	—
West Virginia.....	315	154	78.3	87.5	.56	.58	169	165
Florida	6,496	5,847	65.2	74.4	1.33	1.21	178	179
Alabama.....	29	—	—	—	2.80	—	204	—
Colorado.....	—	139	—	100.0	—	.37	—	191
Illinois.....	1,552	1,303	71.2	67.1	1.77	1.79	189	186
Indiana.....	5	—	—	—	.62	—	164	—
Kentucky.....	3,490	3,128	64.2	71.7	1.27	1.16	176	174
Virginia.....	228	217	100.0	100.0	.59	.56	212	216
West Virginia.....	625	452	48.4	59.8	1.38	1.36	167	169
Wyoming.....	210	—	—	—	.51	—	143	—
Imported coal Colombia.....	139	304	100.0	100.0	.59	.54	152	153
Imported coal Indonesia.....	219	77	100.0	100.0	.39	.11	161	150
Imported coal Venezuela.....	—	227	—	100.0	—	.77	—	233
Georgia	6,553	6,538	59.2	42.8	.71	.69	159	155
Alabama.....	50	120	—	—	1.51	1.51	135	133
Illinois.....	236	274	80.2	—	.93	.97	147	146
Kentucky.....	3,251	2,814	75.2	74.5	.79	.76	155	149
Virginia.....	450	528	90.7	39.4	.74	.65	160	156
West Virginia.....	1,049	908	80.1	54.8	.58	.57	183	184
Wyoming.....	1,479	1,865	—	—	.47	.50	150	152
Imported coal Venezuela.....	38	28	—	—	1.35	.87	137	193
Illinois	10,691	8,131	84.3	86.7	1.24	1.25	171	167
Colorado.....	146	150	100.0	79.2	.43	.40	137	133
Illinois.....	3,885	3,141	82.6	91.1	2.47	2.44	124	130
Indiana.....	389	191	47.0	4.9	.94	1.03	140	144
Kentucky.....	52	133	34.6	81.2	.46	.50	173	170
Montana.....	469	510	100.0	100.0	.34	.39	263	255
Utah.....	445	433	41.1	24.2	.42	.39	140	139
Wyoming.....	5,305	3,573	90.6	93.4	.38	.34	212	202
Indiana	12,488	13,383	64.3	73.8	1.52	1.54	118	122
Illinois.....	1,663	2,778	89.7	84.7	1.78	2.20	134	136
Indiana.....	5,464	4,556	43.3	53.0	2.16	2.17	107	110
Kentucky.....	235	219	72.1	85.9	1.35	1.29	126	134
Montana.....	261	217	100.0	100.0	.35	.37	254	254
Ohio.....	293	232	—	—	3.62	3.84	100	103
Pennsylvania.....	118	63	—	—	1.71	1.63	102	109
Virginia.....	213	250	100.0	100.0	.53	.53	159	155
West Virginia.....	214	211	52.1	69.3	.90	1.20	145	149
Wyoming.....	4,027	4,858	84.8	88.6	.33	.35	114	115
Iowa	4,286	4,538	81.4	81.2	.43	.47	91	94
Colorado.....	126	151	100.0	86.5	.44	.50	136	130
Illinois.....	4	34	47.5	62.4	1.66	2.23	141	114
Indiana.....	20	21	—	—	1.11	1.13	123	121
Montana.....	4	—	—	—	.29	—	150	—
Wyoming.....	4,132	4,333	81.3	81.6	.42	.44	88	92

See footnotes at end of table.

Table 28. Destination of Coal Received at Electric Utility Plants by Origin, January-March 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
Kansas	4,482	4,333	98.7	70.6	0.57	0.57	105	101
Colorado.....	406	342	100.0	100.0	.36	.41	145	120
Illinois.....	29	47	100.0	42.9	2.75	2.50	105	140
Kansas.....	18	27	100.0	100.0	2.69	2.01	136	130
Missouri.....	125	98	100.0	-	3.81	3.57	101	106
Oklahoma.....	3	-	-	-	2.85	-	121	-
Wyoming.....	3,902	3,820	98.6	69.9	.42	.45	99	97
Kentucky	9,797	9,687	74.5	70.2	2.05	2.17	105	106
Colorado.....	789	345	100.0	100.0	.43	.42	126	127
Illinois.....	122	22	34.7	-	2.22	3.10	103	90
Indiana.....	684	551	99.3	100.0	2.89	2.77	92	90
Kentucky.....	6,247	7,182	68.1	69.3	2.46	2.43	101	105
Ohio.....	49	177	61.8	34.3	3.66	3.36	91	91
Pennsylvania.....	38	129	47.1	-	1.52	1.26	114	103
Utah.....	122	-	72.8	-	.47	-	129	-
West Virginia.....	1,582	1,281	78.6	68.0	1.20	.94	114	116
Wyoming.....	164	-	93.7	-	.52	-	115	-
Louisiana	3,079	3,028	100.0	100.0	.75	.69	151	152
Louisiana.....	818	707	100.0	100.0	1.46	1.44	136	143
Wyoming.....	2,261	2,321	100.0	100.0	.54	.51	155	154
Maryland	2,506	2,894	70.1	62.6	.87	.85	154	151
Kentucky.....	110	244	86.4	65.6	.57	.57	146	152
Maryland.....	228	248	79.3	68.7	1.08	1.11	172	166
Pennsylvania.....	240	428	72.9	52.8	1.03	1.09	157	156
West Virginia.....	1,928	1,974	67.7	63.6	.85	.80	152	148
Massachusetts	1,050	1,031	86.4	78.1	.56	.55	177	171
Kentucky.....	234	150	86.0	69.8	.53	.53	181	184
Pennsylvania.....	8	26	100.0	100.0	.93	.86	164	160
West Virginia.....	583	471	81.0	76.6	.56	.56	175	181
Imported coal Colombia.....	198	192	100.0	63.4	.55	.51	178	152
Imported coal Venezuela.....	28	192	100.0	100.0	.59	.57	162	154
Michigan	5,344	4,040	75.0	79.0	.68	.66	134	135
Kentucky.....	1,062	853	57.4	98.7	.71	.72	154	166
Montana.....	185	25	100.0	100.0	.43	.60	158	154
Ohio.....	36	20	96.5	100.0	2.62	2.20	157	157
Pennsylvania.....	666	547	79.4	73.9	1.22	1.19	120	117
West Virginia.....	1,158	810	70.9	84.0	.79	.73	158	157
Wyoming.....	2,238	1,784	81.7	68.3	.33	.31	107	109
Minnesota	4,872	4,176	98.6	92.8	.49	.45	112	110
Illinois.....	20	16	100.0	100.0	1.05	1.32	174	171
Montana.....	2,480	1,893	97.2	94.2	.67	.59	111	109
Wyoming.....	2,373	2,268	100.0	91.6	.29	.32	112	110
Mississippi	1,402	948	89.3	73.3	.70	.98	152	148
Colorado.....	11	-	-	-	.42	-	154	-
Illinois.....	386	412	82.9	41.1	1.09	1.50	138	127
Kentucky.....	185	183	98.4	94.2	.85	.63	215	205
Montana.....	749	353	100.0	100.0	.42	.44	141	140
Wyoming.....	70	-	-	-	.54	-	136	-
Missouri	7,905	7,569	83.1	83.4	.54	.59	94	94
Illinois.....	733	800	80.8	95.9	2.06	2.33	130	132
Kansas.....	20	20	100.0	100.0	2.92	2.55	134	133
Kentucky.....	8	15	100.0	100.0	.63	.50	215	207
Missouri.....	20	23	100.0	95.0	2.53	2.77	126	127
Wyoming.....	7,124	6,710	83.2	81.8	.32	.31	88	88
Montana	2,239	1,643	100.0	100.0	.88	.78	69	76
Montana.....	2,094	1,643	100.0	100.0	.92	.78	70	76
Wyoming.....	145	-	100.0	-	.27	-	50	-
Nebraska	2,804	2,855	75.0	74.4	.34	.39	59	73
Montana.....	-	2	-	-	-	.43	-	104
Wyoming.....	2,804	2,852	75.0	74.5	.34	.39	59	73
Nevada	1,771	1,748	94.7	100.0	.45	.45	134	140
Arizona.....	1,169	1,084	100.0	100.0	.46	.47	121	123
Colorado.....	48	26	100.0	100.0	.49	.43	201	155
Utah.....	537	558	85.8	100.0	.42	.39	155	164
Wyoming.....	17	81	-	100.0	.48	.49	95	192
New Hampshire	425	337	59.4	86.1	1.19	1.22	161	157
Pennsylvania.....	275	226	66.8	93.5	1.12	1.13	165	161
West Virginia.....	122	79	56.5	100.0	1.42	1.72	152	143
Imported coal Colombia.....	-	32	-	-	-	.54	-	162
Imported coal Venezuela.....	29	-	-	-	.75	-	160	-

See footnotes at end of table.

Table 28. Destination of Coal Received at Electric Utility Plants by Origin, January-March 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
New Jersey	568	505	98.8	95.7	0.95	1.01	175	177
Kentucky.....	106	22	100.0	100.0	.50	.48	174	187
Virginia.....	217	179	96.9	100.0	.58	.54	180	183
West Virginia.....	245	304	100.0	92.9	1.52	1.36	171	172
New Mexico	4,031	3,042	100.0	100.0	.88	.83	137	151
New Mexico.....	4,031	3,042	100.0	100.0	.88	.83	137	151
New York	1,952	1,805	91.6	92.0	1.33	1.32	140	142
Kentucky.....	126	244	83.2	80.7	.45	.54	191	195
Pennsylvania.....	507	709	84.5	86.4	1.31	1.27	135	134
West Virginia.....	1,249	852	94.8	100.0	1.47	1.59	135	135
Imported coal Venezuela.....	69	-	100.0	-	.50	-	175	-
North Carolina	6,719	5,348	71.9	75.1	.72	.69	145	155
Kentucky.....	4,057	2,978	65.1	68.9	.78	.72	142	151
Virginia.....	73	349	-	74.0	.92	.81	134	128
West Virginia.....	2,549	2,021	85.8	84.4	.62	.63	149	166
Wyoming.....	40	-	-	-	.56	-	179	-
North Dakota	5,871	6,192	96.7	100.0	1.10	1.08	77	73
North Dakota.....	5,776	6,192	98.3	100.0	1.12	1.08	77	73
Wyoming.....	95	-	-	-	.52	-	63	-
Ohio	13,072	12,770	70.4	71.6	1.70	1.69	132	135
Indiana.....	2	-	-	-	2.36	-	104	-
Kentucky.....	2,175	2,293	64.4	70.1	.77	.75	133	139
Ohio.....	5,533	4,970	74.0	76.5	2.90	3.01	133	137
Pennsylvania.....	763	1,031	45.2	60.4	1.34	1.28	118	119
Virginia.....	120	-	100.0	-	.53	-	124	-
West Virginia.....	4,390	4,476	71.8	69.5	.81	.86	134	135
Wyoming.....	89	-	100.0	-	.29	-	123	-
Oklahoma	4,692	4,649	100.0	95.0	.34	.41	92	100
Oklahoma.....	21	44	100.0	100.0	2.60	2.08	103	112
Wyoming.....	4,671	4,605	100.0	95.0	.32	.39	92	100
Oregon	135	-	-	-	.25	-	114	-
Wyoming.....	135	-	-	-	.25	-	114	-
Pennsylvania	11,097	10,288	75.1	71.9	1.70	1.69	140	139
Ohio.....	133	282	100.0	77.7	3.03	2.81	179	165
Pennsylvania.....	8,701	7,681	70.2	64.4	1.56	1.46	134	134
West Virginia.....	2,264	2,325	92.3	95.9	2.15	2.30	158	153
South Carolina	2,876	2,242	76.6	71.8	.92	.95	147	148
Kentucky.....	2,484	1,949	74.6	67.9	.90	.92	146	147
Tennessee.....	107	6	100.0	-	1.16	1.11	150	147
Virginia.....	250	286	97.2	100.0	1.08	1.13	155	152
West Virginia.....	35	-	-	-	.87	-	150	-
South Dakota	432	466	100.0	100.0	.72	.74	93	92
Montana.....	432	466	100.0	100.0	.72	.74	93	92
Tennessee	5,961	6,282	72.1	68.9	1.53	1.53	114	115
Colorado.....	377	145	100.0	-	.44	.45	113	114
Illinois.....	266	1,126	92.1	38.0	1.64	1.72	109	112
Indiana.....	-	113	-	-	-	1.09	-	118
Kentucky.....	3,766	3,404	59.5	77.7	1.86	1.81	113	113
Pennsylvania.....	109	51	100.0	100.0	1.88	1.81	110	109
Tennessee.....	358	582	97.5	94.3	1.02	1.00	118	119
Utah.....	366	550	93.7	62.6	.45	.40	120	122
Virginia.....	489	312	90.0	100.0	1.35	1.41	128	126
Wyoming.....	230	-	83.9	-	.34	-	91	-
Texas	22,508	23,436	92.6	94.9	.96	1.00	125	130
Colorado.....	333	408	-	-	.34	.37	132	142
Texas.....	12,234	13,122	100.0	99.8	1.58	1.61	96	97
Wyoming.....	9,941	9,906	86.5	92.2	.41	.42	151	163
Utah	4,011	3,160	95.0	95.5	.42	.42	116	109
Colorado.....	613	317	85.7	100.0	.39	.38	175	176
Utah.....	3,376	2,843	97.3	95.0	.43	.43	105	102
Wyoming.....	22	-	-	-	.27	-	128	-
Virginia	3,102	2,746	74.9	79.6	.80	.77	139	144
Kentucky.....	750	792	53.4	68.1	.89	.86	146	147
Virginia.....	1,666	1,430	77.5	88.4	.79	.74	134	140
West Virginia.....	686	524	92.2	73.3	.73	.70	145	151
Washington	916	972	99.5	99.6	.72	.93	195	188
Montana.....	123	4	100.0	-	.38	.53	134	176
Washington.....	789	968	100.0	100.0	.79	.93	206	188
Imported coal Canada.....	4	-	-	-	.36	-	176	-

See footnotes at end of table.

Table 28. Destination of Coal Received at Electric Utility Plants by Origin, January-March 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
West Virginia	8,150	8,334	90.5	71.9	1.61	1.58	124	126
Kentucky.....	-	116	-	100.0	-	.68	-	194
Maryland.....	637	466	97.1	77.1	1.43	1.29	106	123
Ohio.....	373	131	100.0	-	3.12	3.28	87	81
Pennsylvania.....	470	252	81.1	60.2	1.23	1.31	126	127
West Virginia.....	6,670	7,370	90.0	72.9	1.57	1.59	127	126
Wisconsin	5,101	5,204	81.7	77.8	.47	.47	106	104
Colorado.....	95	60	-	-	.45	.43	135	132
Illinois.....	42	4	-	-	.68	1.38	134	145
Indiana.....	44	28	-	-	1.13	1.30	136	134
Kentucky.....	12	-	-	-	.62	-	189	-
Montana.....	485	409	98.4	100.0	.67	.68	109	100
New Mexico.....	113	192	100.0	100.0	.45	.45	158	151
Pennsylvania.....	210	247	39.4	-	1.21	1.25	145	135
Utah.....	31	52	-	-	.47	.43	167	157
Wyoming.....	4,069	4,213	85.9	81.9	.38	.37	97	96
Wyoming	5,987	5,737	94.1	94.9	.61	.59	82	84
Wyoming.....	5,987	5,737	94.1	94.9	.61	.59	82	84
U.S. Total	213,666	204,394	82.2	81.3	1.08	1.09	129	130

* 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-March 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	4,228	4,150	90.9	93.2	0.90	0.92	178	177
Alabama.....	4,150	4,030	92.6	96.0	.88	.90	178	179
Florida.....	29	—	—	—	2.80	—	204	—
Georgia.....	50	120	—	—	1.51	1.51	135	133
Arizona	2,382	2,197	100.0	100.0	.47	.48	124	124
Arizona.....	1,213	1,113	100.0	100.0	.49	.49	126	124
Nevada.....	1,169	1,084	100.0	100.0	.46	.47	121	123
Colorado	5,659	4,765	84.7	83.0	.41	.41	125	126
Colorado.....	2,717	2,683	87.6	94.6	.40	.42	107	113
Florida.....	—	139	—	100.0	—	.37	—	191
Illinois.....	146	150	100.0	79.2	.43	.40	137	133
Iowa.....	126	151	100.0	86.5	.44	.50	136	130
Kansas.....	406	342	100.0	100.0	.36	.41	145	120
Kentucky.....	789	345	100.0	100.0	.43	.42	126	127
Mississippi.....	11	—	—	—	.42	—	154	—
Nevada.....	48	26	100.0	100.0	.49	.43	201	155
Tennessee.....	377	145	100.0	—	.44	.45	113	114
Texas.....	333	408	—	—	.34	.37	132	142
Utah.....	613	317	85.7	100.0	.39	.38	175	176
Wisconsin.....	95	60	—	—	.45	.43	135	132
Illinois	9,373	10,338	77.3	72.7	1.98	2.08	139	137
Alabama.....	435	381	—	—	1.05	1.46	134	124
Florida.....	1,552	1,303	71.2	67.1	1.77	1.79	189	186
Georgia.....	236	274	80.2	—	.93	.97	147	146
Illinois.....	3,885	3,141	82.6	91.1	2.47	2.44	124	130
Indiana.....	1,663	2,778	89.7	84.7	1.78	2.20	134	136
Iowa.....	4	34	47.5	62.4	1.66	2.23	141	114
Kansas.....	29	47	100.0	42.9	2.75	2.50	105	140
Kentucky.....	122	22	34.7	—	2.22	3.10	103	90
Minnesota.....	20	16	100.0	100.0	1.05	1.32	174	171
Mississippi.....	386	412	82.9	41.1	1.09	1.50	138	127
Missouri.....	733	800	80.8	95.9	2.06	2.33	130	132
Tennessee.....	266	1,126	92.1	38.0	1.64	1.72	109	112
Wisconsin.....	42	4	—	—	.68	1.38	134	145
Indiana	6,608	5,459	48.9	54.5	2.15	2.16	107	109
Florida.....	5	—	—	—	.62	—	164	—
Illinois.....	389	191	47.0	4.9	.94	1.03	140	144
Indiana.....	5,464	4,556	43.3	53.0	2.16	2.17	107	110
Iowa.....	20	21	—	—	1.11	1.13	123	121
Kentucky.....	684	551	99.3	100.0	2.89	2.77	92	90
Ohio.....	2	—	—	—	2.36	—	104	—
Tennessee.....	—	113	—	—	—	1.09	—	118
Wisconsin.....	44	28	—	—	1.13	1.30	136	134
Kansas	38	47	100.0	100.0	2.81	2.23	135	131
Kansas.....	18	27	100.0	100.0	2.69	2.01	136	130
Missouri.....	20	20	100.0	100.0	2.92	2.55	134	133
Kentucky	29,155	27,873	67.0	72.4	1.35	1.36	137	137
Alabama.....	612	965	60.2	59.7	2.07	1.44	112	122
Connecticut.....	191	189	100.0	100.0	.42	.42	193	191
Florida.....	3,490	3,128	64.2	71.7	1.27	1.16	176	174
Georgia.....	3,251	2,814	75.2	74.5	.79	.76	155	149
Illinois.....	52	133	34.6	81.2	.46	.50	173	170
Indiana.....	235	219	72.1	85.9	1.35	1.29	126	134
Kentucky.....	6,247	7,182	68.1	69.3	2.46	2.43	101	105
Maryland.....	110	244	86.4	65.6	.57	.57	146	152
Massachusetts.....	234	150	86.0	69.8	.53	.53	181	184
Michigan.....	1,062	853	57.4	98.7	.71	.72	154	166
Mississippi.....	185	183	98.4	94.2	.85	.63	215	205
Missouri.....	8	15	100.0	100.0	.63	.50	215	207
New Jersey.....	106	22	100.0	100.0	.50	.48	174	187
New York.....	126	244	83.2	80.7	.45	.54	191	195
North Carolina.....	4,057	2,978	65.1	68.9	.78	.72	142	151
Ohio.....	2,175	2,293	64.4	70.1	.77	.75	133	139
South Carolina.....	2,484	1,949	74.6	67.9	.90	.92	146	147
Tennessee.....	3,766	3,404	59.5	77.7	1.86	1.81	113	113
Virginia.....	750	792	53.4	68.1	.89	.86	146	147
West Virginia.....	—	116	—	100.0	—	.68	—	194
Wisconsin.....	12	—	—	—	.62	—	189	—

See footnotes at end of table.

Table 29. Origin of Coal Received at Electric Utility Plants by Destination, January-March 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
Louisiana	818	707	100.0	100.0	1.46	1.44	136	143
Louisiana	818	707	100.0	100.0	1.46	1.44	136	143
Maryland	866	736	92.4	74.9	1.33	1.22	124	138
Delaware	*	22	100.0	100.0	1.04	1.16	147	149
Maryland	228	248	79.3	68.7	1.08	1.11	172	166
West Virginia	637	466	97.1	77.1	1.43	1.29	106	123
Missouri	145	121	100.0	18.2	3.64	3.41	104	110
Kansas	125	98	100.0	-	3.81	3.57	101	106
Missouri	20	23	100.0	95.0	2.53	2.77	126	127
Montana	7,282	5,522	98.9	97.9	.66	.63	120	121
Illinois	469	510	100.0	100.0	.34	.39	263	255
Indiana	261	217	100.0	100.0	.35	.37	254	254
Iowa	4	-	-	-	.29	-	150	-
Michigan	185	25	100.0	100.0	.43	.60	158	154
Minnesota	2,480	1,893	97.2	94.2	.67	.59	111	109
Mississippi	749	353	100.0	100.0	.42	.44	141	140
Montana	2,094	1,643	100.0	100.0	.92	.78	70	76
Nebraska	-	2	-	-	-	.43	-	104
South Dakota	432	466	100.0	100.0	.72	.74	93	92
Washington	123	4	100.0	-	.38	.53	134	176
Wisconsin	485	409	98.4	100.0	.67	.68	109	100
New Mexico	6,451	5,319	91.1	93.7	.74	.71	147	161
Arizona	2,306	2,086	75.0	84.0	.54	.59	162	176
New Mexico	4,031	3,042	100.0	100.0	.88	.83	137	151
Wisconsin	113	192	100.0	100.0	.45	.45	158	151
North Dakota	5,776	6,192	98.3	100.0	1.12	1.08	77	73
North Dakota	5,776	6,192	98.3	100.0	1.12	1.08	77	73
Ohio	6,417	5,813	72.7	70.5	2.95	3.05	130	134
Indiana	293	232	-	-	3.62	3.84	100	103
Kentucky	49	177	61.8	34.3	3.66	3.36	91	91
Michigan	36	20	96.5	100.0	2.62	2.20	157	157
Ohio	5,533	4,970	74.0	76.5	2.90	3.01	133	137
Pennsylvania	133	282	100.0	77.7	3.03	2.81	179	165
West Virginia	373	131	100.0	-	3.12	3.28	87	81
Oklahoma	24	44	89.2	100.0	2.62	2.08	105	112
Kansas	3	-	-	-	2.85	-	121	-
Oklahoma	21	44	100.0	100.0	2.60	2.08	103	112
Pennsylvania	12,204	11,657	69.1	63.8	1.48	1.39	133	132
Alabama	29	136	100.0	100.0	1.69	1.80	111	111
Delaware	70	131	53.3	38.7	1.03	1.10	142	145
Indiana	118	63	-	-	1.71	1.63	102	109
Kentucky	38	129	47.1	-	1.52	1.26	114	103
Maryland	240	428	72.9	52.8	1.03	1.09	157	156
Massachusetts	8	26	100.0	100.0	.93	.86	164	160
Michigan	666	547	79.4	73.9	1.22	1.19	120	117
New Hampshire	275	226	66.8	93.5	1.12	1.13	165	161
New York	507	709	84.5	86.4	1.31	1.27	135	134
Ohio	763	1,031	45.2	60.4	1.34	1.28	118	119
Pennsylvania	8,701	7,681	70.2	64.4	1.56	1.46	134	134
Tennessee	109	51	100.0	100.0	1.88	1.81	110	109
West Virginia	470	252	81.1	60.2	1.23	1.31	126	127
Wisconsin	210	247	39.4	-	1.21	1.25	145	135
Tennessee	610	755	98.5	94.8	.97	.94	128	122
Alabama	144	167	100.0	100.0	.71	.70	134	132
South Carolina	107	6	100.0	-	1.16	1.11	150	147
Tennessee	358	582	97.5	94.3	1.02	1.00	118	119
Texas	12,234	13,122	100.0	99.8	1.58	1.61	96	97
Texas	12,234	13,122	100.0	99.8	1.58	1.61	96	97
Utah	4,878	4,435	89.4	83.6	.43	.42	116	117
Illinois	445	433	41.1	24.2	.42	.39	140	139
Kentucky	122	-	72.8	-	.47	-	129	-
Nevada	537	558	85.8	100.0	.42	.39	155	164
Tennessee	366	550	93.7	62.6	.45	.40	120	122
Utah	3,376	2,843	97.3	95.0	.43	.43	105	102
Wisconsin	31	52	-	-	.47	.43	167	157
Virginia	3,735	3,552	84.9	83.8	.83	.79	147	149
Connecticut	4	-	100.0	-	.52	-	184	-
Delaware	25	-	64.6	-	.68	-	162	-
Florida	228	217	100.0	100.0	.59	.56	212	216

See footnotes at end of table.

Table 29. Origin of Coal Received at Electric Utility Plants by Destination, January-March 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
Virginia								
Georgia	450	528	90.7	39.4	0.74	0.65	160	156
Indiana	213	250	100.0	100.0	.53	.53	159	155
New Jersey	217	179	96.9	100.0	.58	.54	180	183
North Carolina.....	73	349	-	74.0	.92	.81	134	128
Ohio	120	-	100.0	-	.53	-	124	-
South Carolina.....	250	286	97.2	100.0	1.08	1.13	155	152
Tennessee	489	312	90.0	100.0	1.35	1.41	128	126
Virginia	1,666	1,430	77.5	88.4	.79	.74	134	140
Washington	789	968	100.0	100.0	.79	.93	206	188
Washington.....	789	968	100.0	100.0	.79	.93	206	188
West Virginia	26,874	24,874	80.8	74.5	1.18	1.23	142	141
Alabama.....	800	664	59.6	45.8	1.56	1.37	128	128
Connecticut.....	23	-	37.8	-	.46	-	188	-
Delaware.....	315	154	78.3	87.5	.56	.58	169	165
Florida.....	625	452	48.4	59.8	1.38	1.36	167	169
Georgia	1,049	908	80.1	54.8	.58	.57	183	184
Indiana	214	211	52.1	69.3	.90	1.20	145	149
Kentucky.....	1,582	1,281	78.6	68.0	1.20	.94	114	116
Maryland.....	1,928	1,974	67.7	63.6	.85	.80	152	148
Massachusetts.....	583	471	81.0	76.6	.56	.56	175	181
Michigan.....	1,158	810	70.9	84.0	.79	.73	158	157
New Hampshire.....	122	79	56.5	100.0	1.42	1.72	152	143
New Jersey	245	304	100.0	92.9	1.52	1.36	171	172
New York.....	1,249	852	94.8	100.0	1.47	1.59	135	135
North Carolina.....	2,549	2,021	85.8	84.4	.62	.63	149	166
Ohio.....	4,390	4,476	71.8	69.5	.81	.86	134	135
Pennsylvania.....	2,264	2,325	92.3	95.9	2.15	2.30	158	153
South Carolina.....	35	-	-	-	.87	-	150	-
Virginia.....	686	524	92.2	73.3	.73	.70	145	151
West Virginia.....	6,670	7,370	90.0	72.9	1.57	1.59	127	126
Wyoming	66,787	64,695	86.5	85.2	.40	.41	118	119
Alabama.....	1,041	816	100.0	95.4	.28	.37	111	112
Arkansas.....	3,041	3,500	92.2	95.2	.38	.39	166	153
Colorado.....	1,175	1,454	89.0	100.0	.29	.37	91	92
Florida.....	210	-	-	-	.51	-	143	-
Georgia	1,479	1,865	-	-	.47	.50	150	152
Illinois.....	5,305	3,573	90.6	93.4	.38	.34	212	202
Indiana	4,027	4,858	84.8	88.6	.33	.35	114	115
Iowa.....	4,132	4,333	81.3	81.6	.42	.44	88	92
Kansas.....	3,902	3,820	98.6	69.9	.42	.45	99	97
Kentucky.....	164	-	93.7	-	.52	-	115	-
Louisiana.....	2,261	2,321	100.0	100.0	.54	.51	155	154
Michigan.....	2,238	1,784	81.7	68.3	.33	.31	107	109
Minnesota.....	2,373	2,268	100.0	91.6	.29	.32	112	110
Mississippi.....	70	-	-	-	.54	-	136	-
Missouri.....	7,124	6,710	83.2	81.8	.32	.31	88	88
Montana.....	145	-	100.0	-	.27	-	50	-
Nebraska.....	2,804	2,852	75.0	74.5	.34	.39	59	73
Nevada.....	17	81	-	100.0	.48	.49	95	192
North Carolina.....	40	-	-	-	.56	-	179	-
North Dakota.....	95	-	-	-	.52	-	63	-
Ohio.....	89	-	100.0	-	.29	-	123	-
Oklahoma.....	4,671	4,605	100.0	95.0	.32	.39	92	100
Oregon.....	135	-	-	-	.25	-	114	-
Tennessee.....	230	-	83.9	-	.34	-	91	-
Texas.....	9,941	9,906	86.5	92.2	.41	.42	151	163
Utah.....	22	-	-	-	.27	-	128	-
Wisconsin.....	4,069	4,213	85.9	81.9	.38	.37	97	96
Wyoming.....	5,987	5,737	94.1	94.9	.61	.59	82	84
Imported Coal	724	1,052	90.1	87.6	.57	.57	165	172
Canada	4	-	-	-	.36	-	176	-
Washington.....	4	-	-	-	.36	-	176	-
Colombia	337	529	100.0	80.6	.57	.53	168	153
Florida.....	139	304	100.0	100.0	.59	.54	152	153
Massachusetts.....	198	192	100.0	63.4	.55	.51	178	152
New Hampshire.....	-	32	-	-	-	.54	-	162

See footnotes at end of table.

Table 29. Origin of Coal Received at Electric Utility Plants by Destination, January-March 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
Imported Coal								
Venezuela.....	164	447	59.2	93.7	0.74	0.69	162	196
Florida.....	-	227	-	100.0	-	.77	-	233
Georgia.....	38	28	-	-	1.35	.87	137	193
Massachusetts.....	28	192	100.0	100.0	.59	.57	162	154
New Hampshire.....	29	-	-	-	.75	-	160	-
New York.....	69	-	100.0	-	.50	-	175	-
Indonesia.....	219	77	100.0	100.0	.39	.11	161	150
Florida.....	219	77	100.0	100.0	.39	.11	161	150
U.S. Total.....	213,666	204,394	82.2	81.3	1.08	1.09	129	130

* 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	January - March 1997	October - December 1996	January - March 1996	Year to Date		
				1997	1996	Percent Change
By State						
Alabama.....	800	759	827	800	827	-3.3
Illinois.....	w	w	w	w	w	w
Indiana.....	1,434	1,450	1,547	1,434	1,547	-7.3
Kentucky.....	w	w	w	w	w	w
Michigan.....	w	w	w	w	w	w
New York.....	w	w	w	w	w	w
Ohio.....	451	465	411	451	411	9.8
Pennsylvania.....	2,657	2,552	2,718	2,657	2,718	-2.3
Utah.....	w	w	w	w	w	w
Virginia.....	w	w	w	w	w	w
West Virginia.....	w	w	w	w	w	w
By Plant Type						
Merchant Coke Plants.....	1,000	1,048	1,037	1,000	1,037	-3.6
Furnace Coke Plants.....	6,330	6,568	6,857	6,330	6,857	-7.7
U.S. Total.....	7,330	7,616	7,894	7,330	7,894	-7.2

^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	January - March 1997	October - December 1996	January - March 1996	Year to Date		
				1997	1996	Percent Change
By State						
Alabama.....	\$50.01	\$49.37	\$49.36	\$50.01	\$49.36	1.3
Illinois.....	w	w	w	w	w	w
Indiana.....	\$51.60	\$50.70	\$50.42	\$51.60	\$50.42	2.3
Kentucky.....	w	w	w	w	w	w
Michigan.....	w	w	w	w	w	w
New York.....	w	w	w	w	w	w
Ohio.....	\$46.71	\$45.16	\$44.12	\$46.71	\$44.12	5.9
Pennsylvania.....	47.07	45.78	45.99	47.07	45.99	2.4
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.....	\$48.94	\$48.84	\$49.30	\$48.94	\$49.30	-7
Furnace Coke Plants.....	47.97	47.30	47.16	47.97	47.16	1.7
U.S. Total.....	48.10	47.51	47.45	48.10	47.45	1.4

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	January - March 1997	October - December 1996	January - March 1996	Year to Date		
				1997	1996	Percent Change
New England Total	49	80	62	49	62	-21.1
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.....	275	397	284	275	284	-3.1
Pennsylvania.....	1,036	1,118	1,043	1,036	1,043	-6
East North Central Total	4,048	4,678	3,876	4,048	3,876	4.4
Illinois.....	997	1,062	946	997	946	5.4
Indiana.....	1,191	1,329	1,126	1,191	1,126	5.7
Michigan.....	383	870	403	383	403	-5.1
Ohio.....	1,113	953	1,010	1,113	1,010	10.2
Wisconsin.....	364	465	391	364	391	-6.8
West North Central Total	3,161	3,586	3,359	3,161	3,359	-5.9
Iowa.....	612	581	551	612	551	11.0
Kansas.....	37	42	41	37	41	-10.3
Minnesota.....	411	596	546	411	546	-24.8
Missouri.....	331	307	284	331	284	16.5
Nebraska.....	w	w	w	w	w	w
North Dakota.....	w	w	w	w	w	w
South Dakota.....	102	113	77	102	77	33.3
South Atlantic Total	w	w	w	w	w	w
Delaware.....	w	w	w	w	w	w
District of Columbia.....	-	-	-	-	-	-
Florida.....	335	323	325	335	325	3.2
Georgia.....	539	519	527	539	527	2.3
Maryland.....	193	200	190	193	190	1.9
North Carolina.....	649	558	636	649	636	2.0
South Carolina.....	538	544	565	538	565	-4.7
Virginia.....	690	663	666	690	666	3.7
West Virginia.....	424	404	432	424	432	-1.8
East South Central Total	w	w	w	w	w	w
Alabama.....	647	621	671	647	671	-3.7
Kentucky.....	575	485	529	575	529	8.8
Mississippi.....	w	w	w	w	w	w
Tennessee.....	946	948	983	946	983	-3.8
West South Central Total	1,448	1,512	1,423	1,448	1,423	1.7
Arkansas.....	92	90	85	92	85	9.1
Louisiana.....	w	w	w	w	w	w
Oklahoma.....	w	w	w	w	w	w
Texas.....	1,151	1,203	1,128	1,151	1,128	2.0
Mountain Total	1,067	1,209	1,044	1,067	1,044	2.2
Arizona.....	188	171	165	188	165	13.7
Colorado.....	90	194	154	90	154	-41.5
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.....	64	125	90	64	90	-28.3
Wyoming.....	489	511	481	489	481	1.6
Pacific Total	595	739	625	595	625	-4.8
Alaska.....	w	w	w	w	w	w
California.....	479	586	532	479	532	-9.9
Hawaii.....	w	w	w	w	w	w
Oregon.....	w	w	w	w	w	w
Washington.....	47	38	35	47	35	34.4
U.S. Total	17,312	18,718	17,351	17,312	17,351	-2

^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	January - March 1997	October - December 1996	January - March 1996	Year to Date		
				1997	1996	Percent Change
New England Total	\$65.61	\$56.45	\$57.94	\$65.61	\$57.94	13.2
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	\$40.75	\$39.91	\$40.28	\$40.75	\$40.28	1.2
Pennsylvania	35.34	34.20	34.08	35.34	34.08	3.7
East North Central Total	33.04	34.36	34.90	33.04	34.90	-5.3
Illinois	29.49	29.78	29.60	29.49	29.60	-4
Indiana	29.19	31.35	32.68	29.19	32.68	-10.7
Michigan	42.91	41.26	43.74	42.91	43.74	-1.9
Ohio	34.57	35.16	36.20	34.57	36.20	-4.5
Wisconsin	41.39	38.95	41.89	41.39	41.89	-1.2
West North Central Total	18.83	18.55	18.60	18.83	18.60	1.3
Iowa	25.30	29.03	26.66	25.30	26.66	-5.1
Kansas	33.64	32.30	33.49	33.64	33.49	.5
Minnesota	33.98	27.56	29.93	33.98	29.93	13.5
Missouri	30.76	30.32	32.89	30.76	32.89	-6.5
Nebraska	w	w	w	w	w	w
North Dakota	w	w	w	w	w	w
South Dakota	\$24.40	\$24.24	\$27.89	\$24.40	\$27.89	-12.5
South Atlantic Total	w	w	w	w	w	w
Delaware	w	w	w	w	w	w
District of Columbia	-	-	-	-	-	-
Florida	\$45.08	\$45.45	\$45.72	\$45.08	\$45.72	-1.4
Georgia	45.00	44.21	44.56	45.00	44.56	1.0
Maryland	33.00	33.06	32.13	33.00	32.13	2.7
North Carolina	43.45	43.65	43.11	43.45	43.11	.8
South Carolina	44.17	44.44	43.48	44.17	43.48	1.6
Virginia	44.40	43.80	43.10	44.40	43.10	3.0
West Virginia	33.79	34.24	33.70	33.79	33.70	.2
East South Central Total	w	w	w	w	w	w
Alabama	\$40.41	\$40.27	\$40.27	\$40.41	\$40.27	.3
Kentucky	44.91	44.86	43.79	44.91	43.79	2.6
Mississippi	w	w	w	w	w	w
Tennessee	\$36.19	\$35.06	\$35.58	\$36.19	\$35.58	1.7
West South Central Total	23.19	21.77	21.43	23.19	21.43	8.2
Arkansas	43.49	42.83	44.06	43.49	44.06	-1.3
Louisiana	w	w	w	w	w	w
Oklahoma	w	w	w	w	w	w
Texas	\$19.98	\$19.04	\$18.30	\$19.98	\$18.30	9.2
Mountain Total	27.68	26.11	27.04	27.68	27.04	2.3
Arizona	38.87	38.31	39.65	38.87	39.65	-2.0
Colorado	23.48	22.74	23.50	23.48	23.50	-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	\$24.19	\$19.04	\$20.90	\$24.19	\$20.90	15.7
Wyoming	22.58	21.77	22.51	22.58	22.51	.3
Pacific Total	43.31	43.05	42.03	43.31	42.03	3.0
Alaska	w	w	w	w	w	w
California	\$39.43	\$39.72	\$39.04	\$39.43	\$39.04	1.0
Hawaii	w	w	w	w	w	w
Oregon	w	w	w	w	w	w
Washington	\$53.22	\$57.22	\$60.32	\$53.22	\$60.32	-11.8
U.S. Total	32.65	32.28	32.51	32.65	32.51	.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	January - March 1997	October - December 1996	January - March 1996	Year to Date		
				1997	1996	Percent Change
20 Food and kindred products	1,962	2,020	1,835	1,962	1,835	6.9
21 Tobacco products	164	154	154	164	154	6.5
22 Textile mill products	266	268	311	266	311	-14.4
23 Apparel, other textile products	w	w	w	w	w	w
24 Lumber and wood products	w	w	w	w	w	w
25 Furniture and fixtures	14	20	18	14	18	-20.9
26 Paper and allied products	3,386	3,520	3,377	3,386	3,377	.3
27 Printing and publishing	w	w	w	w	w	w
28 Chemicals, allied products	3,332	3,283	3,357	3,332	3,357	-8
29 Petroleum and coal products ¹	1,639	1,865	1,823	1,639	1,823	-10.1
30 Rubber, misc. plastic products	68	44	60	68	60	12.0
31 Leather, leather products	w	w	w	w	w	w
32 Stone, clay, glass products	2,821	3,588	2,715	2,821	2,715	3.9
33 Primary metal industries ²	1,792	2,272	1,875	1,792	1,875	-4.4
34 Fabricated metal products	109	68	85	109	85	28.7
35 Machinery, except electric	90	118	98	90	98	-8.4
36 Electric, electronic equipment	w	w	w	w	w	w
37 Transportation equipment	329	267	391	329	391	-15.9
38 Instruments, related products	w	w	w	w	w	w
39 Misc. manufacturing industries	w	w	w	w	w	w
U.S. Total	16,216	17,705	16,345	16,216	16,345	-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 35. Average Price of U.S. Coal Receipts at Manufacturing Plants
by Standard Industrial Classification (SIC) Code
(Dollars per Short Ton)**

SIC Code	January - March 1997	October - December 1996	January - March 1996	Percent Difference January - March: 1997 versus 1996
20 Food and kindred products.....	\$30.04	\$31.26	\$30.03	*
21 Tobacco products.....	46.16	45.65	44.91	2.8
22 Textile mill products	47.36	46.92	46.53	1.8
23 Apparel, other textile products.....	w	w	w	w
24 Lumber and wood products	w	w	w	w
25 Furniture and fixtures	\$50.69	\$51.19	\$51.03	-7
26 Paper and allied products	40.34	39.59	39.35	2.5
27 Printing and publishing	w	w	w	w
28 Chemicals, allied products	\$34.22	\$33.95	\$34.43	-6
29 Petroleum and coal products ¹	12.06	11.08	11.75	2.6
30 Rubber, misc. plastic products.....	27.61	32.35	35.23	-21.6
31 Leather, leather products	w	w	w	w
32 Stone, clay, glass products	\$35.54	\$35.23	\$36.28	-2.0
33 Primary metal industries ²	24.88	26.90	26.27	-5.3
34 Fabricated metal products	43.92	46.75	46.60	-5.8
35 Machinery, except electric	35.63	34.74	32.70	9.0
36 Electric, electronic equipment.....	w	w	w	w
37 Transportation equipment.....	\$43.86	\$42.22	\$43.21	1.5
38 Instruments, related products	w	w	w	w
39 Misc. manufacturing industries	w	w	w	w
U.S. Total	\$32.65	\$32.28	\$32.51	.4

¹ Includes coal gasification projects.

² Excludes coke plants.

* 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-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	January - March 1997	October - December 1996	January - March 1996	Year to Date		
				1997	1996	Percent Change
New England Total	21	21	21	21	21	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	414	414	414	414	414	.0
New Jersey.....	w	w	w	w	w	w
New York.....	w	w	w	w	w	w
Pennsylvania.....	345	345	345	345	345	.0
East North Central Total	390	390	390	390	390	.0
Illinois.....	w	w	w	w	w	w
Indiana.....	86	86	86	86	86	.0
Michigan.....	w	w	w	w	w	w
Ohio.....	123	123	123	123	123	.0
Wisconsin.....	w	w	w	w	w	w
West North Central Total	w	w	w	w	w	w
Iowa.....	27	27	27	27	27	.0
Kansas.....	28	28	28	28	28	.0
Minnesota.....	79	79	79	79	79	.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	286	286	286	286	286	.0
Delaware.....	w	w	w	w	w	w
District of Columbia.....	2	2	2	2	2	.0
Florida.....	*	*	*	*	*	.0
Georgia.....	18	18	18	18	18	.0
Maryland.....	w	w	w	w	w	w
North Carolina.....	67	67	67	67	67	.0
South Carolina.....	5	5	5	5	5	.0
Virginia.....	w	w	w	w	w	w
West Virginia.....	w	w	w	w	w	w
East South Central Total	85	85	85	85	85	.0
Alabama.....	2	2	2	2	2	.0
Kentucky.....	w	w	w	w	w	w
Mississippi.....	w	w	w	w	w	w
Tennessee.....	w	w	w	w	w	w
West South Central Total	5	5	5	5	5	.0
Arkansas.....	-	-	-	-	-	-
Louisiana.....	w	w	w	w	w	w
Oklahoma.....	w	w	w	w	w	w
Texas.....	-	-	-	-	-	-
Mountain Total	w	w	w	w	w	w
Arizona.....	2	2	2	2	2	.0
Colorado.....	6	6	6	6	6	.0
Idaho.....	12	12	12	12	12	.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.....	44	44	44	44	44	.0
Pacific Total	220	220	220	220	220	.0
Alaska.....	157	157	157	157	157	.0
California.....	40	40	40	40	40	.0
Hawaii.....	-	-	-	-	-	-
Oregon.....	*	*	*	*	*	.0
Washington.....	23	23	23	23	23	.0
U.S. Total	1,747	1,747	1,747	1,747	1,747	.0

* Rounded to zero.

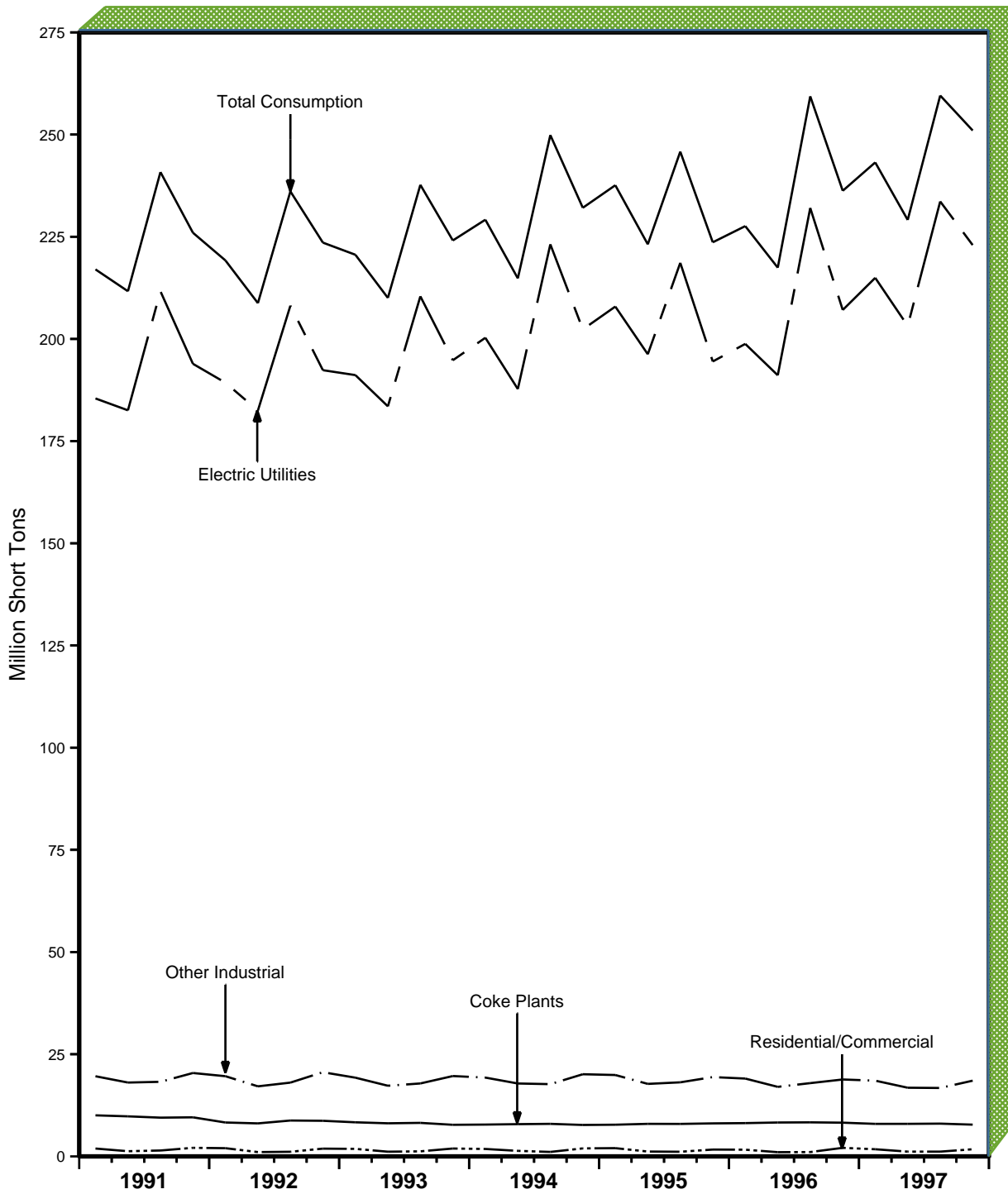
w Withheld to avoid disclosure of individual company data.

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

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	19,043	1,638	227,604
April - June	191,107	8,291	17,009	1,032	217,439
July - September	232,033	8,330	17,928	1,063	259,353
October - December	207,085	8,251	18,816	2,091	236,243
Total	829,007	33,011	72,796	5,824	940,638
1996 January - March	214,946	7,958	18,529	1,747	243,180
April - June	203,183	7,965	16,800	1,165	229,113
July - September	233,632	8,016	16,738	1,165	259,551
October - December	222,954	7,767	18,527	1,747	250,995
Total	874,714	31,706	70,594	5,824	982,838
1997 January - March	218,175	7,590	18,312	1,747	245,824
Total	218,175	7,590	18,312	1,747	245,824

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	January - March 1997	October - December 1996	January - March 1996	Year to Date		
				1997	1996	Percent Change
New England Total	1,954	1,687	1,740	1,954	1,740	12.3
Connecticut.....	299	187	252	299	252	18.7
Maine.....	57	56	54	57	54	5.4
Massachusetts.....	1,174	1,184	1,034	1,174	1,034	13.5
New Hampshire.....	423	257	399	423	399	6.0
Rhode Island.....	1	1	1	1	1	.0
Vermont.....	1	1	1	1	1	.0
Middle Atlantic Total	18,295	17,516	18,120	18,295	18,120	1.0
New Jersey.....	793	591	699	793	699	13.4
New York.....	2,856	2,936	2,933	2,856	2,933	-2.6
Pennsylvania.....	14,646	13,990	14,488	14,646	14,488	1.1
East North Central Total	58,827	59,663	57,363	58,827	57,363	2.6
Illinois.....	11,791	12,304	10,246	11,791	10,246	15.1
Indiana.....	16,575	15,933	16,311	16,575	16,311	1.6
Michigan.....	9,009	9,544	9,274	9,009	9,274	-2.9
Ohio.....	15,014	15,270	15,449	15,014	15,449	-2.8
Wisconsin.....	6,439	6,612	6,083	6,439	6,083	5.9
West North Central Total	35,131	35,275	35,905	35,131	35,905	-2.2
Iowa.....	5,573	5,102	5,611	5,573	5,611	-7
Kansas.....	4,503	4,793	4,835	4,503	4,835	-6.9
Minnesota.....	5,290	5,394	5,242	5,290	5,242	.9
Missouri.....	8,756	8,669	8,724	8,756	8,724	.4
Nebraska.....	2,899	2,760	2,733	2,899	2,733	6.1
North Dakota.....	7,535	8,206	8,169	7,535	8,169	-7.8
South Dakota.....	575	352	591	575	591	-2.7
South Atlantic Total	40,202	40,087	40,915	40,202	40,915	-1.7
Delaware.....	483	541	466	483	466	3.5
District of Columbia.....	2	2	2	2	2	.0
Florida.....	6,626	6,899	6,807	6,626	6,807	-2.6
Georgia.....	6,981	6,860	7,104	6,981	7,104	-1.7
Maryland.....	2,930	2,670	3,232	2,930	3,232	-9.3
North Carolina.....	6,865	7,237	6,449	6,865	6,449	6.4
South Carolina.....	3,086	3,270	3,225	3,086	3,225	-4.3
Virginia.....	3,795	3,806	3,875	3,795	3,875	-2.1
West Virginia.....	9,435	8,803	9,756	9,435	9,756	-3.3
East South Central Total	26,855	26,421	27,478	26,855	27,478	-2.3
Alabama.....	8,238	9,306	8,783	8,238	8,783	-6.2
Kentucky.....	10,262	9,188	10,743	10,262	10,743	-4.5
Mississippi.....	1,380	1,620	1,129	1,380	1,129	22.2
Tennessee.....	6,975	6,306	6,824	6,975	6,824	2.2
West South Central Total	35,626	35,852	35,502	35,626	35,502	.4
Arkansas.....	3,461	3,705	3,625	3,461	3,625	-4.5
Louisiana.....	3,137	3,152	2,779	3,137	2,779	12.9
Oklahoma.....	5,152	4,640	5,175	5,152	5,175	-4
Texas.....	23,877	24,355	23,923	23,877	23,923	-2
Mountain Total	26,831	31,042	24,067	26,831	24,067	11.5
Arizona.....	3,942	4,902	3,105	3,942	3,105	27.0
Colorado.....	4,070	4,622	4,303	4,070	4,303	-5.4
Idaho.....	153	202	146	153	146	5.1
Montana.....	2,233	2,854	1,658	2,233	1,658	34.7
Nevada.....	1,865	2,364	1,620	1,865	1,620	15.1
New Mexico.....	4,033	4,447	3,136	4,033	3,136	28.6
Utah.....	3,902	4,340	3,553	3,902	3,553	9.8
Wyoming.....	6,633	7,311	6,547	6,633	6,547	1.3
Pacific Total	2,103	3,451	2,090	2,103	2,090	.6
Alaska.....	228	216	235	228	235	-3.2
California.....	541	609	553	541	553	-2.1
Hawaii.....	45	37	57	45	57	-20.2
Oregon.....	79	730	29	79	29	172.3
Washington.....	1,210	1,860	1,216	1,210	1,216	-5
U.S. Total	245,824	250,995	243,180	245,824	243,180	1.1

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	January - March 1997	October - December 1996	January - March 1996	Year to Date		
				1997	1996	Percent Change
New England Total	1,866	1,600	1,657	1,866	1,657	12.6
Connecticut	291	180	244	291	244	19.3
Maine	-	-	-	-	-	-
Massachusetts	1,154	1,165	1,017	1,154	1,017	13.5
New Hampshire	420	255	396	420	396	6.0
Rhode Island	-	-	-	-	-	-
Vermont	-	-	-	-	-	-
Middle Atlantic Total	13,502	12,617	13,302	13,502	13,302	1.5
New Jersey.....	789	586	696	789	696	13.3
New York	2,094	2,153	2,158	2,094	2,158	-3.0
Pennsylvania	10,620	9,877	10,448	10,620	10,448	1.6
East North Central Total	51,078	51,941	49,502	51,078	49,502	3.2
Illinois	10,109	10,596	8,630	10,109	8,630	17.1
Indiana.....	13,796	13,147	13,442	13,796	13,442	2.6
Michigan	7,888	8,336	8,025	7,888	8,025	-1.7
Ohio.....	13,374	13,741	13,846	13,374	13,846	-3.4
Wisconsin.....	5,911	6,122	5,558	5,911	5,558	6.4
West North Central Total	31,403	31,442	32,020	31,403	32,020	-1.9
Iowa.....	4,726	4,365	4,816	4,726	4,816	-1.9
Kansas	4,437	4,726	4,765	4,437	4,765	-6.9
Minnesota.....	4,711	4,779	4,601	4,711	4,601	2.4
Missouri	8,384	8,307	8,382	8,384	8,382	*
Nebraska	2,824	2,659	2,656	2,824	2,656	6.3
North Dakota	5,850	6,382	6,288	5,850	6,288	-7.0
South Dakota	470	224	512	470	512	-8.1
South Atlantic Total	36,064	36,051	36,552	36,064	36,552	-1.3
Delaware	434	491	418	434	418	3.8
District of Columbia.....	-	-	-	-	-	-
Florida	6,291	6,569	6,506	6,291	6,506	-3.3
Georgia.....	6,433	6,314	6,561	6,433	6,561	-2.0
Maryland.....	2,643	2,389	2,951	2,643	2,951	-10.4
North Carolina	6,187	6,591	5,749	6,187	5,749	7.6
South Carolina	2,557	2,755	2,664	2,557	2,664	-4.0
Virginia	2,785	2,801	2,862	2,785	2,862	-2.7
West Virginia.....	8,735	8,141	8,841	8,735	8,841	-1.2
East South Central Total	23,409	23,059	24,019	23,409	24,019	-2.5
Alabama	6,814	7,853	7,317	6,814	7,317	-6.9
Kentucky	9,299	8,314	9,822	9,299	9,822	-5.3
Mississippi	1,318	1,552	1,071	1,318	1,071	23.1
Tennessee.....	5,978	5,339	5,809	5,978	5,809	2.9
West South Central Total	34,178	34,332	34,066	34,178	34,066	.3
Arkansas.....	3,371	3,610	3,534	3,371	3,534	-4.6
Louisiana.....	3,109	3,134	2,757	3,109	2,757	12.7
Oklahoma.....	4,969	4,455	4,995	4,969	4,995	-5
Texas	22,730	23,133	22,780	22,730	22,780	-2
Mountain Total	25,409	29,387	22,597	25,409	22,597	12.4
Arizona.....	3,754	4,719	2,945	3,754	2,945	27.5
Colorado.....	3,969	4,425	4,131	3,969	4,131	-3.9
Idaho	-	-	-	-	-	-
Montana	2,182	2,809	1,628	2,182	1,628	34.0
Nevada	1,822	2,316	1,575	1,822	1,575	15.7
New Mexico	4,013	4,426	3,115	4,013	3,115	28.8
Utah	3,560	3,938	3,172	3,560	3,172	12.2
Wyoming.....	6,110	6,755	6,030	6,110	6,030	1.3
Pacific Total	1,266	2,525	1,231	1,266	1,231	2.8
Alaska	70	59	78	70	78	-9.5
California	-	-	-	-	-	-
Hawaii	-	-	-	-	-	-
Oregon.....	50	670	-	50	-	-
Washington.....	1,146	1,796	1,153	1,146	1,153	-7
U.S. Total	218,175	222,954	214,946	218,175	214,946	1.5

* Rounded to zero.

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

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	January - March 1997	October - December 1996	January - March 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.....	2,574	2,697	2,606	2,574	2,606	-1.2
East North Central Total	2,817	2,849	2,904	2,817	2,904	-3.0
Illinois.....	w	w	w	w	w	w
Indiana.....	1,415	1,460	1,503	1,415	1,503	-5.9
Michigan.....	w	w	w	w	w	w
Ohio.....	459	465	459	459	459	.1
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.....	778	802	814	778	814	-4.4
Kentucky.....	w	w	w	w	w	w
Mississippi.....	-	-	-	-	-	-
Tennessee.....	-	-	-	-	-	-
West South Central Total	-	-	-	-	-	-
Arkansas.....	-	-	-	-	-	-
Louisiana.....	-	-	-	-	-	-
Oklahoma.....	-	-	-	-	-	-
Texas.....	-	-	-	-	-	-
Mountain Total	w	w	w	w	w	w
Arizona.....	-	-	-	-	-	-
Colorado.....	-	-	-	-	-	-
Idaho.....	-	-	-	-	-	-
Montana.....	-	-	-	-	-	-
Nevada.....	-	-	-	-	-	-
New Mexico.....	-	-	-	-	-	-
Utah.....	w	w	w	w	w	w
Wyoming.....	-	-	-	-	-	-
Pacific Total	-	-	-	-	-	-
Alaska.....	-	-	-	-	-	-
California.....	-	-	-	-	-	-
Hawaii.....	-	-	-	-	-	-
Oregon.....	-	-	-	-	-	-
Washington.....	-	-	-	-	-	-
By Plant Type						
Merchant Coke Plants.....	1,004	1,039	1,035	1,004	1,035	-2.9
Furnace Coke Plants.....	6,586	6,727	6,923	6,586	6,923	-4.9
U.S. Total	7,590	7,767	7,958	7,590	7,958	-4.6

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

Census Division and State	January - March 1997	October - December 1996	January - March 1996	Year to Date		
				1997	1996	Percent Change
New England Total	67	66	62	67	62	8.7
Connecticut.....	-	-	-	-	-	-
Maine.....	w	w	w	w	w	w
Massachusetts.....	w	w	w	w	w	w
New Hampshire.....	-	-	-	-	-	-
Rhode Island.....	-	-	-	-	-	-
Vermont.....	-	-	-	-	-	-
Middle Atlantic Total	w	w	w	w	w	w
New Jersey.....	w	w	w	w	w	w
New York.....	363	370	367	363	367	-1.0
Pennsylvania.....	1,106	1,071	1,089	1,106	1,089	1.5
East North Central Total	4,542	4,482	4,567	4,542	4,567	-6
Illinois.....	1,012	1,033	953	1,012	953	6.2
Indiana.....	1,278	1,240	1,279	1,278	1,279	-1
Michigan.....	706	817	828	706	828	-14.8
Ohio.....	1,058	941	1,021	1,058	1,021	3.6
Wisconsin.....	489	451	485	489	485	.7
West North Central Total	3,493	3,599	3,651	3,493	3,651	-4.3
Iowa.....	820	710	768	820	768	6.8
Kansas.....	38	40	43	38	43	-11.7
Minnesota.....	500	536	562	500	562	-11.1
Missouri.....	310	298	279	310	279	10.9
Nebraska.....	w	w	w	w	w	w
North Dakota.....	w	w	w	w	w	w
South Dakota.....	102	126	76	102	76	33.5
South Atlantic Total	w	w	w	w	w	w
Delaware.....	w	w	w	w	w	w
District of Columbia.....	-	-	-	-	-	-
Florida.....	335	330	300	335	300	11.8
Georgia.....	530	528	525	530	525	.9
Maryland.....	198	191	192	198	192	3.4
North Carolina.....	611	579	633	611	633	-3.5
South Carolina.....	524	510	556	524	556	-5.8
Virginia.....	681	671	693	681	693	-1.8
West Virginia.....	425	405	443	425	443	-4.0
East South Central Total	w	w	w	w	w	w
Alabama.....	643	649	650	643	650	-1.0
Kentucky.....	589	506	540	589	540	9.0
Mississippi.....	w	w	w	w	w	w
Tennessee.....	954	924	971	954	971	-1.8
West South Central Total	1,444	1,515	1,431	1,444	1,431	.9
Arkansas.....	90	95	91	90	91	-1.1
Louisiana.....	w	w	w	w	w	w
Oklahoma.....	w	w	w	w	w	w
Texas.....	1,147	1,221	1,143	1,147	1,143	.4
Mountain Total	1,076	1,307	1,113	1,076	1,113	-3.3
Arizona.....	187	182	159	187	159	17.7
Colorado.....	95	191	166	95	166	-42.6
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.....	66	123	92	66	92	-28.6
Wyoming.....	480	512	473	480	473	1.4
Pacific Total	617	706	639	617	639	-3.4
Alaska.....	w	w	w	w	w	w
California.....	501	569	513	501	513	-2.3
Hawaii.....	w	w	w	w	w	w
Oregon.....	w	w	w	w	w	w
Washington.....	41	40	39	41	39	4.3
U.S. Total	18,312	18,527	18,529	18,312	18,529	-1.2

^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	January - March 1997	October - December 1996	January - March 1996	Year to Date		
				1997	1996	Percent Change
20 Food and kindred products	2,110	2,333	2,059	2,110	2,059	2.5
21 Tobacco products	162	151	164	162	164	-1.0
22 Textile mill products	285	244	314	285	314	-9.0
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	32	23	35	32	35	-9.2
26 Paper and allied products	3,577	3,405	3,548	3,577	3,548	.8
27 Printing and publishing	w	w	w	w	w	w
28 Chemicals, allied products	3,372	3,205	3,454	3,372	3,454	-2.4
29 Petroleum and coal products ¹	1,687	1,806	1,847	1,687	1,847	-8.7
30 Rubber, misc. plastic products	61	45	63	61	63	-4.2
31 Leather, leather products	w	w	w	w	w	w
32 Stone, clay, glass products	3,097	3,507	2,992	3,097	2,992	3.5
33 Primary metal industries ²	2,000	2,104	2,102	2,000	2,102	-4.8
34 Fabricated metal products	98	73	106	98	106	-7.1
35 Machinery, except electric	154	118	161	154	161	-4.4
36 Electric, electronic equipment	w	w	w	w	w	w
37 Transportation equipment	330	269	406	330	406	-18.7
38 Instruments, related products	w	w	w	w	w	w
39 Misc. manufacturing industries	w	w	w	w	w	w
U.S. Total	17,216	17,514	17,517	17,216	17,517	-1.7

¹ Includes coal gasification projects.

² Excludes coke plants.

^w Withheld to avoid disclosure of individual company data.

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

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

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

Census Division and State	January - March 1997	October - December 1996	January - March 1996	Year to Date		
				1997	1996	Percent Change
New England Total	21	21	21	21	21	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	414	414	414	414	414	.0
New Jersey.....	w	w	w	w	w	w
New York.....	w	w	w	w	w	w
Pennsylvania.....	345	345	345	345	345	.0
East North Central Total	390	390	390	390	390	.0
Illinois.....	w	w	w	w	w	w
Indiana.....	86	86	86	86	86	.0
Michigan.....	w	w	w	w	w	w
Ohio.....	123	123	123	123	123	.0
Wisconsin.....	w	w	w	w	w	w
West North Central Total	w	w	w	w	w	w
Iowa.....	27	27	27	27	27	.0
Kansas.....	28	28	28	28	28	.0
Minnesota.....	79	79	79	79	79	.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	286	286	286	286	286	.0
Delaware.....	w	w	w	w	w	w
District of Columbia.....	2	2	2	2	2	.0
Florida.....	*	*	*	*	*	.0
Georgia.....	18	18	18	18	18	.0
Maryland.....	w	w	w	w	w	w
North Carolina.....	67	67	67	67	67	.0
South Carolina.....	5	5	5	5	5	.0
Virginia.....	w	w	w	w	w	w
West Virginia.....	w	w	w	w	w	w
East South Central Total	85	85	85	85	85	.0
Alabama.....	2	2	2	2	2	.0
Kentucky.....	w	w	w	w	w	w
Mississippi.....	w	w	w	w	w	w
Tennessee.....	w	w	w	w	w	w
West South Central Total	5	5	5	5	5	.0
Arkansas.....	-	-	-	-	-	-
Louisiana.....	w	w	w	w	w	w
Oklahoma.....	w	w	w	w	w	w
Texas.....	-	-	-	-	-	-
Mountain Total	w	w	w	w	w	w
Arizona.....	2	2	2	2	2	.0
Colorado.....	6	6	6	6	6	.0
Idaho.....	12	12	12	12	12	.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.....	44	44	44	44	44	.0
Pacific Total	220	220	220	220	220	.0
Alaska.....	157	157	157	157	157	.0
California.....	40	40	40	40	40	.0
Hawaii.....	w	w	w	w	w	w
Oregon.....	w	w	w	w	w	w
Washington.....	23	23	23	23	23	.0
U.S. Total	1,747	1,747	1,747	1,747	1,747	.0

* Rounded to zero.

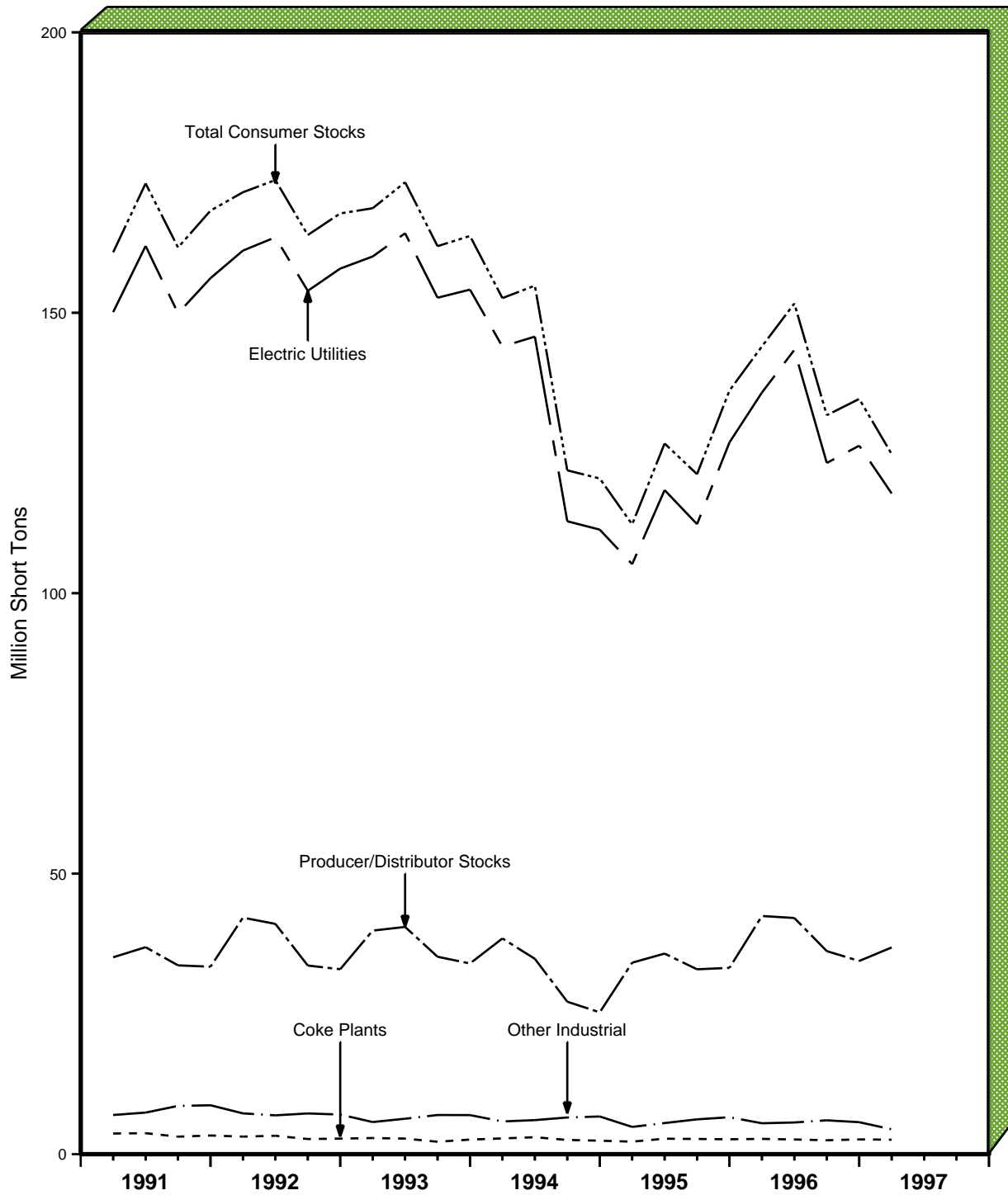
w Withheld to avoid disclosure of individual company data.

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

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	117,790	2,583	4,431	124,804	36,851	161,655
June 30	127,134	2,601	4,565	134,301	37,344	171,644
September 30	119,472	2,814	5,301	127,586	33,780	161,366
December 31	114,623	2,667	5,688	122,978	31,065	154,043
1997 March 31	112,904	2,372	4,570	119,847	37,544	157,390

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, March 31, 1997
(Thousand Short Tons)

Census Division and State	Electric Utilities	Coke Plants	Other Industrial ¹	Total
New England Total	1,130	—	42	1,172
Connecticut.....	99	—	w	w
Maine.....	—	—	w	w
Massachusetts.....	646	—	w	w
New Hampshire.....	385	—	w	w
Rhode Island.....	—	—	w	w
Vermont.....	—	—	w	w
Middle Atlantic Total	9,684	w	w	w
New Jersey.....	608	—	w	w
New York.....	840	w	105	w
Pennsylvania.....	8,236	800	166	9,202
East North Central Total	26,317	946	1,235	28,498
Illinois.....	5,188	w	237	w
Indiana.....	5,953	488	294	6,735
Michigan.....	6,111	w	378	w
Ohio.....	5,346	77	170	5,592
Wisconsin.....	3,720	—	157	3,876
West North Central Total	16,307	—	900	17,207
Iowa.....	3,441	—	369	3,810
Kansas.....	2,937	—	15	2,952
Minnesota.....	1,647	—	188	1,834
Missouri.....	4,759	—	186	4,945
Nebraska.....	1,717	—	w	w
North Dakota.....	1,666	—	w	w
South Dakota.....	139	—	w	w
South Atlantic Total	19,417	w	w	w
Delaware.....	299	—	w	w
District of Columbia.....	—	—	—	—
Florida.....	3,443	—	90	3,533
Georgia.....	3,751	—	143	3,895
Maryland.....	1,290	w	25	w
North Carolina.....	3,131	—	152	3,284
South Carolina.....	2,375	—	211	2,586
Virginia.....	983	w	136	w
West Virginia.....	4,145	w	134	w
East South Central Total	8,842	w	w	w
Alabama.....	3,530	217	137	3,883
Kentucky.....	3,579	w	69	w
Mississippi.....	686	—	w	w
Tennessee.....	1,046	—	220	1,267
West South Central Total	19,146	—	365	19,511
Arkansas.....	2,603	—	20	2,624
Louisiana.....	2,440	—	16	2,456
Oklahoma.....	3,643	—	134	3,778
Texas.....	10,459	—	194	10,653
Mountain Total	11,144	w	215	w
Arizona.....	1,758	—	34	1,792
Colorado.....	2,845	—	22	2,867
Idaho.....	—	—	56	56
Montana.....	564	—	w	w
Nevada.....	1,094	—	w	w
New Mexico.....	834	—	w	w
Utah.....	1,969	w	4	w
Wyoming.....	2,079	—	80	2,159
Pacific Total	918	—	207	1,125
Alaska.....	1	—	—	1
California.....	—	—	128	128
Hawaii.....	—	—	w	w
Oregon.....	297	—	w	w
Washington.....	620	—	20	640
U.S. Total	112,904	2,372	4,570	119,847

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	March 31, 1997	December 31, 1996	March 31, 1996	Percent Difference March 31: 1997 versus 1996
New England Total	1,130	1,236	829	36.4
Connecticut.....	99	173	113	-11.7
Maine.....	-	-	-	-
Massachusetts.....	646	704	433	49.2
New Hampshire.....	385	359	283	35.8
Rhode Island.....	-	-	-	-
Vermont.....	-	-	-	-
Middle Atlantic Total	9,684	9,606	10,188	-5.0
New Jersey.....	608	824	617	-1.5
New York.....	840	905	656	28.0
Pennsylvania.....	8,236	7,878	8,916	-7.6
East North Central Total	26,317	27,619	27,469	-4.2
Illinois.....	5,188	4,579	4,769	8.8
Indiana.....	5,953	7,102	8,671	-31.4
Michigan.....	6,111	6,530	6,215	-1.7
Ohio.....	5,346	5,229	4,651	14.9
Wisconsin.....	3,720	4,178	3,163	17.6
West North Central Total	16,307	17,107	16,067	1.5
Iowa.....	3,441	4,042	3,596	-4.3
Kansas.....	2,937	2,968	3,388	-13.3
Minnesota.....	1,647	1,461	1,532	7.5
Missouri.....	4,759	5,159	4,037	17.9
Nebraska.....	1,717	1,691	1,592	7.9
North Dakota.....	1,666	1,642	1,768	-5.8
South Dakota.....	139	143	154	-9.8
South Atlantic Total	19,417	18,662	16,999	14.2
Delaware.....	299	322	251	19.1
District of Columbia.....	-	-	-	-
Florida.....	3,443	3,349	2,739	25.7
Georgia.....	3,751	3,727	3,717	.9
Maryland.....	1,290	1,346	909	42.0
North Carolina.....	3,131	2,559	2,376	31.8
South Carolina.....	2,375	1,979	1,773	33.9
Virginia.....	983	1,010	899	9.3
West Virginia.....	4,145	4,370	4,334	-4.4
East South Central Total	8,842	8,514	9,560	-7.5
Alabama.....	3,530	2,526	3,001	17.6
Kentucky.....	3,579	4,119	4,078	-12.2
Mississippi.....	686	602	601	14.1
Tennessee.....	1,046	1,266	1,880	-44.4
West South Central Total	19,146	19,525	20,202	-5.2
Arkansas.....	2,603	2,701	2,432	7.0
Louisiana.....	2,440	2,470	2,708	-9.9
Oklahoma.....	3,643	4,067	3,544	2.8
Texas.....	10,459	10,287	11,518	-9.2
Mountain Total	11,144	11,303	14,483	-23.1
Arizona.....	1,758	1,992	3,261	-46.1
Colorado.....	2,845	3,028	3,681	-22.7
Idaho.....	-	-	-	-
Montana.....	564	508	527	7.0
Nevada.....	1,094	1,239	1,527	-28.3
New Mexico.....	834	814	893	-6.6
Utah.....	1,969	1,526	1,943	1.3
Wyoming.....	2,079	2,197	2,650	-21.5
Pacific Total	918	1,052	1,993	-53.9
Alaska.....	1	1	1	.0
California.....	-	-	-	-
Hawaii.....	-	-	-	-
Oregon.....	297	203	399	-25.5
Washington.....	620	848	1,593	-61.1
U.S. Total	112,904	114,623	117,790	-4.1

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	March 31, 1997	December 31, 1996	March 31, 1996	Percent Difference March 31: 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.....	800	748	979	-18.3
East North Central Total	946	1,335	1,018	-7.1
Illinois.....	w	w	w	w
Indiana.....	488	469	455	7.3
Michigan.....	w	w	w	w
Ohio.....	77	81	81	-5.3
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.....	217	197	249	-12.9
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.....	225	230	235	-4.4
Furnace Coke Plants.....	2,147	2,437	2,348	-8.5
U.S. Total	2,372	2,667	2,583	-8.2

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

Census Division and State	March 31, 1997	December 31, 1996	March 31, 1996	Percent Difference March 31: 1997 versus 1996
New England Total	42	60	61	-31.1
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.....	105	192	119	-11.8
Pennsylvania.....	166	231	154	7.3
East North Central Total	1,235	1,862	1,229	.4
Illinois.....	237	252	239	-7
Indiana.....	294	384	296	-7
Michigan.....	378	827	387	-2.4
Ohio.....	170	118	117	45.1
Wisconsin.....	157	281	191	-17.9
West North Central Total	900	1,220	752	19.7
Iowa.....	369	570	317	16.1
Kansas.....	15	16	8	87.7
Minnesota.....	188	277	132	41.8
Missouri.....	186	158	141	31.6
Nebraska.....	w	w	w	w
North Dakota.....	w	w	w	w
South Dakota.....	18	17	49	-64.2
South Atlantic Total	w	w	w	w
Delaware.....	w	w	w	w
District of Columbia.....	-	-	-	-
Florida.....	90	89	101	-10.7
Georgia.....	143	121	131	9.8
Maryland.....	25	30	22	15.8
North Carolina.....	152	112	141	8.3
South Carolina.....	211	198	174	20.9
Virginia.....	136	133	147	-7.3
West Virginia.....	134	136	94	42.9
East South Central Total	w	w	w	w
Alabama.....	137	135	160	-14.5
Kentucky.....	69	83	110	-37.7
Mississippi.....	w	w	w	w
Tennessee.....	220	234	228	-3.5
West South Central Total	365	361	347	5.1
Arkansas.....	20	18	21	-6
Louisiana.....	w	w	w	w
Oklahoma.....	w	w	w	w
Texas.....	194	190	175	10.8
Mountain Total	215	231	217	-1.2
Arizona.....	34	32	41	-18.1
Colorado.....	22	27	20	8.8
Idaho.....	w	w	w	w
Montana.....	w	w	w	w
Nevada.....	w	w	w	w
New Mexico.....	w	w	w	w
Utah.....	4	5	5	-20.9
Wyoming.....	80	71	87	-8.3
Pacific Total	207	222	224	-7.7
Alaska.....	w	w	w	w
California.....	128	150	155	-17.4
Hawaii.....	w	w	w	w
Oregon.....	w	w	w	w
Washington.....	20	8	20	2.3
U.S. Total	4,570	5,688	4,431	3.1

^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	March 31, 1997	December 31, 1996	March 31, 1996	Percent Difference March 31: 1997 versus 1996
20 Food and kindred products.....	591	753	525	12.5
21 Tobacco products.....	29	27	33	-12.3
22 Textile mill products.....	94	115	115	-18.6
23 Apparel, other textile products.....	w	w	w	w
24 Lumber and wood products.....	w	w	w	w
25 Furniture and fixtures.....	6	23	6	-4.2
26 Paper and allied products.....	901	1,100	918	-1.8
27 Printing and publishing.....	w	w	w	w
28 Chemicals, allied products.....	838	883	726	15.5
29 Petroleum and coal products ¹	80	129	72	11.8
30 Rubber, misc. plastic products.....	14	9	9	55.8
31 Leather, leather products.....	w	w	w	w
32 Stone, clay, glass products.....	1,295	1,665	1,398	-7.4
33 Primary metal industries ²	509	718	436	16.9
34 Fabricated metal products.....	41	30	36	14.0
35 Machinery, except electric.....	33	89	19	79.3
36 Electric, electronic equipment.....	w	w	w	w
37 Transportation equipment.....	80	86	76	5.4
38 Instruments, related products.....	w	w	w	w
39 Misc. manufacturing industries.....	w	w	w	w
U.S. Total.....	4,570	5,688	4,431	3.1

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

	March 31, 1997	December 31, 1996	March 31, 1996	Percent Difference March 31: 1997 versus 1996
Coke Total.....	1,365	1,323	1,144	19.3
By State				
Alabama.....	163	138	77	111.9
Illinois.....	w	w	w	w
Indiana.....	272	356	360	-24.5
Kentucky.....	w	w	w	w
Michigan.....	w	w	w	w
New York.....	w	w	w	w
Ohio.....	49	44	152	-67.9
Pennsylvania.....	165	197	227	-27.5
Utah.....	w	w	w	w
Virginia.....	w	w	w	w
West Virginia.....	w	w	w	w
By Plant Type				
Merchant Coke Plants.....	190	160	115	64.9
Furnace Coke Plants.....	1,175	1,163	1,029	14.2
Breeze Total.....	144	161	135	6.7

^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	March 31, 1997	December 31, 1996	March 31, 1996	Percent Difference March 31: 1997 versus 1996
Alabama.....	1,528	1,247	1,266	20.7
Alaska.....	37	6	18	108.3
Arizona.....	2,848	2,232	2,785	2.2
Arkansas.....	2	1	4	-55.8
Colorado.....	587	487	552	6.3
Illinois.....	1,498	1,310	2,171	-31.0
Indiana.....	690	831	420	64.2
Kansas.....	15	17	17	-12.5
Kentucky Total.....	7,285	5,584	5,115	42.4
Eastern.....	6,245	4,912	3,885	60.7
Western.....	1,040	672	1,230	-15.4
Louisiana.....	297	230	235	26.1
Maryland.....	248	141	86	188.0
Missouri.....	3	-	1	160.0
Montana.....	686	571	804	-14.7
New Mexico.....	1,938	1,940	2,869	-32.5
North Dakota.....	1,723	1,574	1,652	4.3
Ohio.....	480	532	1,103	-56.5
Oklahoma.....	-	7	*	-
Pennsylvania Total.....	2,561	2,031	2,902	-11.7
Anthracite.....	184	256	279	-34.1
Bituminous.....	2,377	1,775	2,622	-9.3
Tennessee.....	40	16	42	-3.9
Texas.....	1,980	1,965	1,530	29.4
Utah.....	1,193	1,180	2,343	-49.1
Virginia.....	2,741	2,085	2,619	4.7
Washington.....	1	*	1	-14.8
West Virginia Total.....	7,738	5,344	6,367	21.5
Northern.....	1,266	660	1,512	-16.3
Southern.....	6,472	4,684	4,855	33.3
Wyoming.....	1,426	1,735	1,948	-26.8
Appalachian Total.....	21,581	16,308	18,270	18.1
Interior Total.....	5,525	5,032	5,609	-1.5
Western Total.....	10,438	9,725	12,972	-19.5
East of the Miss. River.....	24,810	19,120	22,091	12.3
West of the Miss. River.....	12,734	11,945	14,760	-13.7
U.S. Total.....	37,544	31,065	36,851	1.9

* Rounded to zero.

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

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

Appendix A

U.S. Coal Imports

Appendix A

U.S. Coal Imports

U.S. coal imports in the first quarter of 1997 totaled 1.3 million short tons, 26 percent lower than in the previous quarter and 22 percent lower than in the comparable quarter in 1996. Valued at approximately \$45 million, coal imports in the first quarter of 1997 had an average price of \$33.85 per short ton, about the same as in the comparable period in 1996.

Colombia was the leading source of imported coal, followed by Indonesia, Canada, and Venezuela. Coal shipments from Colombia totaled 492 thousand short tons, 22 percent lower than in the same quarter in 1996 and the lowest quarterly level since 1995.

Canadian imports at 181 thousand short tons were down 51 percent from the same period a year ago. U.S. ports received 147 thousand short tons of coal from Venezuela, declining 63 percent from last year and their lowest quarterly level in five years. Of all major suppliers, only Indonesia reported increased coal shipments in the first three months of 1997. Coal deliveries from Indonesia reached a record level of 396 thousand short tons, rising 60 percent above the same period a year earlier.

U.S. electric utility plants received 724 thousand short tons of coal in the first quarter of 1997. This was 36 percent and 31 percent lower, respectively, than in the previous quarter and the comparable quarter in 1996. In the first three months of 1997, coal receipts at the Davant Transfer plant of Tampa Electric totaled 219 thousand short tons, rising 142 thousand short tons above the same period in 1996 and representing 30 percent of total imported coal receipts at utility plants. In contrast, receipts at Jacksonville Electric Authority's St. Johns River plant totaled 139 thousand short tons, down 165 thousand short tons or 54 percent lower than in the same period a year ago. While Gulf Power's Crist and Smith plants received 227 thousand short tons less coal, collectively, in comparing first quarter 1997 versus 1996.

Table A1. Quantity and Average Price of U.S. Coal Imports, 1991-1997
(Thousand Short Tons and Dollars per Short Ton)

Year	January - March		April - June		July - September		October - December		U.S. Total	
	Quantity	Average Price	Quantity	Average Price	Quantity	Average Price	Quantity	Average Price	Quantity	Average Price
1991.....	938	\$33.71	730	\$34.60	984	\$31.45	738	\$33.16	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	NA	NA	NA	NA	NA	NA	1,331	33.85

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
Total	54	181	492	396	—	147	61	1,331
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
Total	33.80	26.87	31.98	31.82	—	31.64	—	31.32

* 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	January - March 1997	October - December 1996	January - March 1996	Year to Date		
				1997	1996	Percent Change
U.S. Total	1,331,390	1,789,683	1,713,341	1,331,390	1,713,341	-22.3
Exporting Country: Australia						
Honolulu, HI.....	54,151	63,106	77,842	54,151	77,842	-30.4
Total	54,151	63,106	77,842	54,151	77,842	-30.4
Exporting Country: Canada						
Chicago, IL.....	-	57,275	88,146	-	88,146	-
Detroit, MI.....	5,471	127,448	28,063	5,471	28,063	-80.5
Duluth, MN.....	416	67,122	87,518	416	87,518	-99.5
Pembina, ND.....	147,200	112,669	160,685	147,200	160,685	-8.4
Ogdensburg, NY.....	-	-	50	-	50	-
Seattle, WA.....	27,427	7,828	-	27,427	-	-
Total	180,514	372,342	364,462	180,514	364,462	-50.5
Exporting Country: Colombia						
Mobile, AL.....	63,890	31,417	61,908	63,890	61,908	3.2
Tampa, FL.....	138,899	316,915	304,095	138,899	304,095	-54.3
New Orleans, LA.....	-	772	-	-	-	-
Boston, MA.....	199,051	167,453	190,880	199,051	190,880	4.3
Portland, ME.....	28,532	25,903	44,624	28,532	44,624	-36.1
Buffalo, NY.....	-	-	31	-	31	-
New York City, NY.....	34,101	-	-	34,101	-	-
Philadelphia, PA.....	-	-	27,364	-	27,364	-
San Juan, PR.....	28,014	-	-	28,014	-	-
Total	492,487	542,460	628,902	492,487	628,902	-21.7
Exporting Country: Indonesia						
Honolulu, HI.....	176,897	176,363	170,494	176,897	170,494	3.8
New Orleans, LA.....	218,809	298,310	77,160	218,809	77,160	183.6
Portland, ME.....	-	39,895	-	-	-	-
Total	395,706	514,568	247,654	395,706	247,654	59.8
Exporting Country: Venezuela						
Mobile, AL.....	-	-	127,703	-	127,703	-
Savannah, GA.....	25,800	-	-	25,800	-	-
Boston, MA.....	27,828	233,755	233,016	27,828	233,016	-88.1
Portland, ME.....	58,178	-	-	58,178	-	-
New York City, NY.....	35,268	-	-	35,268	-	-
Philadelphia, PA.....	-	27,688	-	-	-	-
San Juan, PR.....	-	30,212	33,345	-	33,345	-
Total	147,074	291,655	394,064	147,074	394,064	-62.7
Other Exporting Countries						
Los Angeles, CA.....	149	2	-	149	-	-
New Orleans, LA.....	41,005	-	-	41,005	-	-
Buffalo, NY.....	1,238	407	-	1,238	-	-
Portland, OR.....	6,589	-	-	6,589	-	-
Houston-Galveston, TX.....	12,124	29	-	12,124	-	-
Laredo, TX.....	353	5,114	417	353	417	-15.3
Total	61,458	5,552	417	61,458	417	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	January - March 1997	October - December 1996	January - March 1996	Year to Date		
				1997	1996	Percent Change
Total	\$31.32	\$32.66	\$32.60	\$31.32	\$32.60	-3.9
Exporting Country: Australia						
Honolulu, HI	\$33.80	\$33.22	\$33.84	\$33.80	\$33.84	-0.1
Total	33.80	33.22	33.84	33.80	33.84	-1
Exporting Country: Canada						
Chicago, IL	-	-	\$20.30	-	\$20.30	-
Detroit, MI	\$21.66	\$44.81	43.12	\$21.66	43.12	-49.8
Duluth, MN	40.19	-	48.96	40.19	48.96	-17.9
Pembina, ND	26.70	28.40	25.82	26.70	25.82	3.4
Seattle, WA	28.57	28.02	-	28.57	-	-
Total	26.87	37.23	28.55	26.87	28.55	-5.9
Exporting Country: Colombia						
Mobile, AL	\$29.17	\$29.04	\$27.36	\$29.17	\$27.36	6.6
Tampa, FL	31.85	31.70	32.20	31.85	32.20	-1.1
New Orleans, LA	-	32.64	-	-	-	-
Boston, MA	32.53	33.38	29.16	32.53	29.16	11.5
Portland, ME	23.59	32.92	33.76	23.59	33.76	-30.1
New York City, NY	36.84	-	-	36.84	-	-
Philadelphia, PA	-	-	37.73	-	37.73	-
San Juan, PR	37.78	-	-	37.78	-	-
Total	31.98	32.13	31.15	31.98	31.15	2.7
Exporting Country: Indonesia						
Honolulu, HI	\$43.13	\$44.74	\$43.42	\$43.13	\$43.42	-0.7
New Orleans, LA	22.68	21.41	29.35	22.68	29.35	-22.7
Portland, ME	-	47.30	-	-	-	-
Total	31.82	31.42	39.04	31.82	39.04	-18.5
Exporting Country: Venezuela						
Mobile, AL	-	-	\$40.79	-	\$40.79	-
Savannah, GA	\$20.39	-	-	\$20.39	-	-
Boston, MA	32.95	\$31.07	30.00	32.95	30.00	9.8
Portland, ME	33.06	-	-	33.06	-	-
New York City, NY	36.48	-	-	36.48	-	-
Philadelphia, PA	-	39.19	-	-	-	-
San Juan, PR	-	32.30	32.89	-	32.89	-
Total	31.64	31.97	33.74	31.64	33.74	-6.2
Other Exporting Countries						
Laredo, TX	-	\$34.11	\$22.68	-	\$22.68	-
Total	-	34.11	22.68	-	22.68	-

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	January - March 1997	October - December 1996	January - March 1996	Year to Date		
				1997	1996	Percent Change
U.S. Total	723,948	1,116,209	1,052,434	723,948	1,052,434	-31.2
Exporting Country: Canada						
Takoma Dept. of Public Utilities, Steam No.2	4,370	6,500	-	4,370	-	-
Total	4,370	6,500	-	4,370	-	-
Exporting Country: Colombia						
Jacksonville Electric Authority, St Johns River	138,920	316,920	304,100	138,920	304,100	-54.3
New England Power (NEES), Brayton Point.....	112,100	96,700	104,100	112,100	104,100	7.7
New England Power (NEES), Salem Harbor.....	85,600	25,400	88,000	85,600	88,000	-2.7
Public Serv Co of New Hampshire, Schiller	-	-	32,325	-	32,325	-
Total	336,620	439,020	528,525	336,620	528,525	-36.3
Exporting Country: Indonesia						
Public Serv Co of New Hampshire, Schiller	-	25,903	-	-	-	-
Tampa Electric, Davant Transfer.....	218,807	298,307	77,159	218,807	77,159	183.6
Total	218,807	324,210	77,159	218,807	77,159	183.6
Exporting Country: Venezuela						
Central Hudson Gas & Electric, Danskammer	69,400	-	-	69,400	-	-
Gulf Power, Crist.....	-	-	143,850	-	143,850	-
Gulf Power, Smith.....	-	-	83,000	-	83,000	-
New England Power (NEES), Brayton Point.....	27,800	101,300	40,700	27,800	40,700	-31.7
New England Power (NEES), Salem Harbor.....	-	148,400	150,900	-	150,900	-
Public Serv Co of New Hampshire, Merrimack	-	39,900	-	-	-	-
Public Serv Co of New Hampshire, Schiller	28,532	28,879	-	28,532	-	-
Savannah Electric and Power, Port Wentworth	38,419	-	28,300	38,419	28,300	35.8
United Illuminating Co, Bridgeport Harbor.....	-	28,000	-	-	-	-
Total	164,151	346,479	446,750	164,151	446,750	-63.3

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
Total	69.4	13,181	.66	6.35	174.9	46.11
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
Total.....	138.9	11,813	.70	7.30	152.0	35.91
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
Total	112.1	12,030	.63	6.04	179.7	43.25
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
Total	27.8	12,705	.75	8.48	162.2	41.21
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
Total	85.6	12,121	.72	6.69	176.8	42.85
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
1996						
January - March.....	150.9	12,856	.72	6.25	153.4	39.43
April - June.....	126.7	12,784	.71	6.02	169.3	43.29
July - September.....	137.1	13,027	.69	5.98	154.2	40.17
October - December.....	148.4	12,732	.66	6.38	147.1	37.45
Total	563.1	12,849	.70	6.17	155.5	39.96

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: 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
1997 January - March.....	28.5	11,669	.88	7.90	160.0	37.34
Total.....	28.5	11,669	.88	7.90	160.0	37.34
Company and Plant: Public Serv Electric & Gas-NJ, Hudson						
Colombia 1994.....	22.5	12,870	0.68	6.90	166.9	42.96

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: 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
Total	38.4	11,867	1.60	8.20	136.6	32.42
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
Total	4.4	9,979	.36	12.97	176.0	35.13
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
1996						
January - March.....	77.2	9,813	.11	1.30	149.7	29.38
April - June.....	141.1	9,737	.44	1.40	149.7	29.15
July - September.....	291.3	9,516	.17	1.48	149.7	28.49
October - December.....	298.3	9,713	.40	1.55	149.7	29.08
Total	807.8	9,655	.29	1.48	149.7	28.91
1997						
January - March.....	218.8	9,482	.37	1.67	161.3	30.59
Total	218.8	9,482	.37	1.67	161.3	30.59
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

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						
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
Total	4.4	9,979	.36	12.97	176.0	35.13
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
Total	336.6	11,964	.68	6.72	167.7	40.12
Indonesia						
1991	24.3	9,815	.07	1.20	227.3	44.62
1992	13.1	9,587	.14	1.20	166.9	32.00
1993	115.8	10,620	.22	2.07	166.1	35.29
1994	437.3	10,499	.22	1.82	157.4	33.06
1995	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
Total	218.8	9,482	.37	1.67	161.3	30.59
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
Total	164.2	12,530	.93	7.41	161.8	40.55

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
Year to Date						
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
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
1996						
Wyoming	5,394.2	8,500	.41	5.18	161.1	27.38
Total	5,394.2	8,500	.41	5.18	161.1	27.38
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
Year to Date						
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

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: 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
Year to Date						
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
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

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						
1997						
Year to Date						
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
Company and Plant: Central Power and Light (CSW), Coletto Creek						
1991						
Colorado.....	1,733.6	10,753	.38	5.99	207.6	44.64
Total.....	1,733.6	10,753	.38	5.99	207.6	44.64
1992						
Colorado.....	1,780.7	10,885	.39	6.32	205.0	44.63
Colombia.....	37.2	12,892	.62	7.90	174.5	44.99
Venezuela.....	42.5	13,214	.66	7.20	175.8	46.46
Total.....	1,860.4	10,978	.40	6.37	203.5	44.68
1993						
Colorado.....	1,778.0	10,577	.40	6.61	203.1	42.96
Colombia.....	122.5	12,109	.60	5.90	148.5	35.98
Total.....	1,900.5	10,676	.41	6.56	199.1	42.51
1994						
Colorado.....	1,664.9	10,760	.41	6.77	199.7	42.98
Colombia.....	153.4	11,929	.55	5.03	148.9	35.51
Total.....	1,818.3	10,858	.42	6.63	195.0	42.35
1995						
Colorado.....	1,724.7	11,092	.42	6.92	169.2	37.53
Wyoming.....	119.4	8,764	.34	5.20	163.5	28.66
Total.....	1,844.1	10,941	.41	6.81	168.9	36.95
1996						
Colorado.....	1,823.5	10,482	.39	5.77	133.8	28.06
Wyoming.....	188.0	8,492	.31	5.73	142.9	24.27
Total.....	2,011.6	10,296	.38	5.77	134.5	27.70
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
Year to Date						
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
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

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						
1995						
Maryland	37.9	12,867	0.76	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
Year to Date						
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
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

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 and Light, Indian River						
1997						
Year to Date						
Maryland.....	0.2	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
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
Year to Date						
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
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
Year to Date						
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
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
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
Year to Date						
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

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, 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
Year to Date						
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
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
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

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						
1997						
Year to Date						
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
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
1995						
Kentucky	157.3	13,053	.52	7.40	193.3	50.47
Pennsylvania	212.5	13,227	1.37	7.20	156.9	41.50
Total	369.8	13,153	1.01	7.28	172.3	45.31
1996						
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
Year to Date						
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
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

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						
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
Colombia.....	138.9	11,813	.70	7.30	152.0	35.91
Total	673.0	12,343	1.36	9.58	173.1	42.73
Year to Date						
Kentucky.....	454.9	12,557	1.65	9.61	175.4	44.05
West Virginia.....	79.2	12,050	.87	13.38	195.7	47.16
Colombia.....	138.9	11,813	.70	7.30	152.0	35.91
Total	673.0	12,343	1.36	9.58	173.1	42.73
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
Year to Date						
Montana	749.3	9,394	.39	4.61	141.3	26.54
Total	749.3	9,394	.39	4.61	141.3	26.54

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
Year to Date						
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
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

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						
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
Year to Date						
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
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
1993						
Kentucky.....	6.1	12,223	.88	10.70	110.4	26.99
Ohio.....	1,151.5	12,135	3.57	11.37	102.2	24.81
Pennsylvania.....	99.9	11,842	3.41	11.82	92.0	21.79
Total	1,257.5	12,113	3.55	11.41	101.5	24.58
1994						
Ohio.....	937.8	12,266	3.58	10.63	99.0	24.28
Pennsylvania.....	63.6	11,942	2.80	11.52	105.5	25.20
West Virginia.....	1.5	11,112	4.48	17.60	112.7	25.05
Total	1,002.9	12,244	3.53	10.69	99.4	24.34
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

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						
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
Year to Date						
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
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
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
Year to Date						
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

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						
1991						
Pennsylvania	740.1	13,249	1.51	6.57	176.2	46.68
West Virginia	219.6	13,411	2.41	6.82	165.9	44.48
Total	959.7	13,286	1.71	6.63	173.8	46.18
1992						
Pennsylvania	671.5	13,266	1.57	6.30	171.5	45.50
West Virginia	331.8	13,416	2.27	6.94	161.4	43.30
Total	1,003.3	13,316	1.80	6.51	168.1	44.77
1993						
Pennsylvania	661.6	13,240	1.63	6.42	165.9	43.92
West Virginia	388.6	13,225	2.27	7.59	155.3	41.07
Indonesia	21.2	12,620	.49	3.80	186.5	47.07
Venezuela	24.9	12,920	.58	6.00	163.2	42.17
Total	1,096.3	13,216	1.81	6.77	162.4	42.93
1994						
Pennsylvania	706.9	13,176	1.57	6.61	156.5	41.25
West Virginia	272.1	13,253	2.34	7.50	147.8	39.17
Total	979.0	13,197	1.78	6.86	154.1	40.67
1995						
Pennsylvania	759.3	13,203	1.49	6.90	161.1	42.53
Virginia	19.1	13,910	.68	7.00	203.5	56.61
West Virginia	223.3	13,366	2.29	6.28	141.7	37.89
Colombia	11.5	11,578	.53	3.80	192.9	44.67
Total	1,013.2	13,234	1.64	6.73	157.9	41.80
1996						
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
Year to Date						
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
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

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						
1996						
Kentucky	14.5	12,830	0.90	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
Year to Date						
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
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
Year to Date						
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
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
Year to Date						
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
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
Year to Date						
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: 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
Wyoming	590.7	8,833	.21	4.39	142.0	25.09
Indonesia	807.8	9,655	.29	1.48	149.7	28.91
Total	6,348.2	11,327	2.04	6.78	148.3	33.59
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

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						
1997						
Year to Date						
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
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
Year to Date						
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
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

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						
1992						
Alabama	71.9	12,060	2.75	12.94	120.6	29.09
Colorado	1,961.3	11,088	.40	6.66	198.7	44.06
Illinois	3,933.7	11,729	2.79	8.55	190.4	44.67
Indiana	826.6	10,901	2.26	8.78	142.3	31.01
Kentucky	9,088.3	12,623	1.47	8.01	171.0	43.16
Montana	86.2	9,388	.31	4.16	137.5	25.82
Ohio	963.7	12,135	3.62	11.27	104.4	25.35
Pennsylvania	1,340.4	13,123	1.60	7.13	167.3	43.92
Tennessee	268.8	12,861	1.19	6.20	217.6	55.98
Utah	31.6	11,596	.39	8.20	163.8	37.99
Virginia	348.6	12,938	1.02	8.66	176.3	45.62
Washington	2.3	12,366	.72	14.03	154.5	38.21
West Virginia	10,753.8	12,869	1.00	9.20	168.0	43.25
Wyoming	5,699.2	8,388	.45	5.28	145.7	24.44
Canada	48.1	12,432	1.09	6.72	185.1	46.01
Colombia	1,504.1	11,938	.70	6.91	150.9	36.04
Indonesia	13.1	9,587	.14	1.20	166.9	32.00
Venezuela	240.6	13,206	.69	7.18	164.6	43.49
Total	37,182.4	11,806	1.29	7.93	167.6	39.58
1993						
Alabama	72.3	12,337	2.09	11.73	191.1	47.15
Colorado	1,947.6	10,661	.40	6.86	198.9	42.40
Illinois	3,596.4	11,738	2.56	8.43	174.6	40.99
Indiana	485.4	11,003	2.15	8.88	136.5	30.05
Kentucky	8,293.4	12,664	1.36	8.17	174.5	44.20
Maryland	56.2	13,015	1.30	9.55	161.4	42.00
Montana	187.7	9,428	.39	4.58	160.4	30.24
Ohio	1,151.5	12,135	3.57	11.37	102.2	24.81
Pennsylvania	1,451.4	13,093	1.79	7.35	156.7	41.04
Tennessee	304.6	12,740	1.12	7.02	203.7	51.89
Utah	186.5	11,586	.35	8.25	156.1	36.17
Virginia	435.8	12,995	.94	8.99	186.8	48.56
Washington	2.2	10,967	.70	14.47	163.5	35.87
West Virginia	8,787.9	12,904	1.03	8.97	167.0	43.10
Wyoming	6,107.1	8,360	.42	5.25	148.6	24.85
Canada	29.2	10,036	.48	12.60	179.5	36.03
Colombia	3,585.1	11,867	.66	6.85	149.0	35.37
Indonesia	115.8	10,620	.22	2.07	166.1	35.29
Venezuela	897.5	12,874	.67	6.96	166.4	42.84
Total	37,693.7	11,713	1.19	7.74	164.8	38.61
1994						
Alabama	1.5	12,241	2.87	10.00	204.1	49.97
Colorado	2,861.0	11,189	.42	8.16	181.7	40.67
Illinois	4,198.2	11,616	2.44	8.40	164.4	38.19
Indiana	326.8	11,062	1.82	8.77	121.5	26.88
Kentucky	7,872.9	12,598	1.41	8.27	177.1	44.62
Maryland	138.3	13,155	1.38	9.85	149.9	39.43
Montana	1,314.8	9,404	.40	4.78	138.8	26.11
Ohio	937.8	12,266	3.58	10.63	99.0	24.28
Pennsylvania	1,992.6	13,125	1.76	7.34	144.5	37.94
Tennessee	276.1	12,628	1.14	7.43	215.3	54.38
Virginia	127.7	12,926	.87	8.50	173.6	44.89
Washington	3.3	10,865	.72	13.30	165.3	35.91
West Virginia	10,482.8	12,728	.95	9.60	165.0	42.01
Wyoming	6,022.8	8,466	.36	4.94	149.3	25.28
Canada	63.3	10,885	.26	10.53	152.4	33.19
Colombia	2,971.8	11,997	.66	6.76	142.7	34.25
Indonesia	437.3	10,499	.22	1.82	157.4	33.06
South Africa	127.3	11,318	.65	12.60	181.1	41.00
Venezuela	1,355.2	12,649	.76	6.61	172.3	43.60
Total	41,511.6	11,672	1.12	7.82	162.1	37.85
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

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						
1995						
Montana	1,273.3	9,400	0.38	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
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
Year to Date						
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

¹ Data reported on quality of coal as received.

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

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

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	206,479	17,226	130,638
April - June	226,209	1,460	38,196	197,257	21,032	137,581
July - September	233,924	1,565	32,833	235,281	20,116	119,512
October - December.....	234,638	1,879	31,247	214,316	21,955	122,142
Total	937,098	6,533		853,333	80,329	
1996 January - March	234,104	1,554	33,430	220,609	18,611	113,221
April - June	237,294	1,408	33,878	207,848	20,901	121,835
July - September	245,225	1,878	30,645	235,460	21,322	115,744
October - December.....	242,035	1,624	28,182	227,699	21,241	111,564
Total	958,658	6,464		891,616	82,075	
1997 January - March	248,503	1,208	34,059	222,014	18,154	108,723
Total	248,503	1,208		222,014	18,154	

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	17,276	1,486	206,479
April - June	173,369	7,522	15,430	936	197,257
July - September	210,497	7,557	16,264	964	235,281
October - December	187,865	7,485	17,070	1,897	214,316
Total	752,063	29,947	66,040	5,283	853,333
1996 January - March	194,996	7,219	16,809	1,585	220,609
April - June	184,324	7,226	15,241	1,057	207,848
July - September	211,947	7,272	15,185	1,057	235,460
October - December	202,260	7,046	16,808	1,585	227,699
Total	793,528	28,763	64,042	5,283	891,616
1997 January - March	197,925	6,886	15,618	1,585	222,014
Total	197,925	6,886	15,618	1,585	222,014

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	106,857	2,344	4,020	113,221	33,430	146,651
June 30	115,334	2,360	4,142	121,835	33,878	155,713
September 30	108,383	2,553	4,809	115,744	30,645	146,389
December 31	103,984	2,419	5,161	111,564	28,182	139,746
1997 March 31	102,425	2,152	4,146	108,723	34,059	142,782

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	-
Price	\$47.37	\$45.57	\$45.66	\$44.10	\$43.64	\$44.95	-
Imports							
Quantity.....	662	947	991	1,430	1,460	1,408	-
Price	\$38.14	\$36.33	\$35.56	\$31.67	\$39.86	\$35.78	-
July - September							
Exports							
Quantity.....	28,302	24,023	16,803	17,875	20,116	21,322	-
Price	\$45.76	\$44.86	\$44.89	\$42.84	\$45.18	\$44.68	-
Imports							
Quantity.....	893	800	1,944	2,090	1,565	1,878	-
Price	\$34.67	\$37.95	\$32.54	\$34.08	\$37.05	\$36.59	-
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	18,154
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	1,208
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	January - March 1997	October - December 1996	January - March 1996	Year to date		
				1997	1996	Percent Change
North America Total	1,711,861	4,530,613	668,105	1,711,861	668,105	156.2
Canada ¹	1,319,213	3,954,388	462,815	1,319,213	462,815	185.0
Jamaica.....	12,322	7,452	8,816	12,322	8,816	39.8
Mexico.....	375,231	545,587	196,248	375,231	196,248	91.2
Other ²	5,095	23,186	226	5,095	226	(3)
South America Total	1,944,887	1,840,638	1,426,243	1,944,887	1,426,243	36.4
Argentina.....	146,070	44,128	36,716	146,070	36,716	297.8
Brazil.....	1,746,906	1,602,835	1,244,036	1,746,906	1,244,036	40.4
Chile.....	4,973	149,939	136,625	4,973	136,625	-96.4
Other ²	46,938	43,736	8,866	46,938	8,866	429.4
Europe Total	10,051,393	10,486,219	11,294,752	10,051,393	11,294,752	-11.0
Belgium & Luxembourg.....	1,253,631	891,443	1,299,015	1,253,631	1,299,015	-3.5
Bulgaria.....	202,028	305,676	333,791	202,028	333,791	-39.5
Denmark.....	104,999	230,439	391,149	104,999	391,149	-73.2
Finland.....	-	58,498	46,552	-	46,552	-
France.....	846,860	1,079,104	941,668	846,860	941,668	-10.1
Germany, FR.....	118,425	233,973	325,674	118,425	325,674	-63.6
Ireland.....	239,055	229,839	223,762	239,055	223,762	6.8
Italy.....	1,569,512	1,901,471	2,542,104	1,569,512	2,542,104	-38.3
Netherlands.....	1,524,384	1,318,488	1,870,900	1,524,384	1,870,900	-18.5
Norway.....	15,697	25,930	13,270	15,697	13,270	18.3
Portugal.....	183,576	647,333	230,910	183,576	230,910	-20.5
Romania.....	270,866	353,674	268,252	270,866	268,252	1.0
Spain.....	905,344	874,443	825,760	905,344	825,760	9.6
Sweden.....	73,912	341,990	142,873	73,912	142,873	-48.3
Turkey.....	540,849	481,457	447,771	540,849	447,771	20.8
United Kingdom.....	2,187,034	1,410,308	1,370,923	2,187,034	1,370,923	59.5
Other ²	15,221	102,153	20,378	15,221	20,378	-25.3
Asia Total	3,588,197	3,808,419	4,155,745	3,588,197	4,155,745	-13.7
China (Taiwan).....	581,034	454,628	535,446	581,034	535,446	8.5
Israel.....	259,730	347,036	224,226	259,730	224,226	15.8
Japan.....	2,141,348	1,998,974	2,487,042	2,141,348	2,487,042	-13.9
Korea, Republic of.....	574,560	1,006,796	893,485	574,560	893,485	-35.7
Other ²	31,525	985	15,546	31,525	15,546	102.8
Oceania & Australia Total	-	551	-	-	-	-
Africa Total	857,404	574,482	1,066,619	857,404	1,066,619	-19.6
Algeria.....	49,877	55,919	54,351	49,877	54,351	-8.2
Egypt.....	344,630	222,412	262,856	344,630	262,856	31.1
Morocco.....	128,802	129,550	476,458	128,802	476,458	-73.0
South Africa, Rep of.....	334,095	166,601	272,954	334,095	272,954	22.4
Total	18,153,742	21,240,922	18,611,464	18,153,742	18,611,464	-2.5

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

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

³ Changes of 500 percent or more are not shown.

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

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

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

Continent and Country of Destination	January - March 1997	October - December 1996	January - March 1996	Year to date		
				1997	1996	Percent Change
North America Total	\$36.62	\$35.22	\$41.75	\$36.62	\$41.75	-12.3
Canada ¹	34.50	34.11	39.12	34.50	39.12	-11.8
Jamaica.....	46.25	41.00	38.99	46.25	38.99	18.6
Mexico.....	43.37	42.68	47.97	43.37	47.97	-9.6
Other ²	44.84	43.84	-	44.84	-	-
South America Total	48.97	48.05	47.91	48.97	47.91	2.2
Argentina.....	53.11	53.31	47.46	53.11	47.46	11.9
Brazil.....	48.74	49.19	49.18	48.74	49.18	-9
Chile.....	43.89	35.25	34.26	43.89	34.26	28.1
Other ²	45.10	44.42	35.60	45.10	35.60	26.7
Europe Total	46.73	46.48	46.07	46.73	46.07	1.4
Belgium & Luxembourg.....	51.01	49.90	51.33	51.01	51.33	-6
Bulgaria.....	51.03	50.44	46.20	51.03	46.20	10.5
Denmark.....	39.85	32.06	33.34	39.85	33.34	19.5
Finland.....	-	37.80	49.85	-	49.85	-
France.....	50.67	49.56	46.78	50.67	46.78	8.3
Germany, FR.....	47.07	56.64	40.39	47.07	40.39	16.6
Ireland.....	41.81	41.23	40.91	41.81	40.91	2.2
Italy.....	50.67	50.05	48.91	50.67	48.91	3.6
Netherlands.....	48.18	46.88	45.60	48.18	45.60	5.7
Norway.....	-	57.20	63.81	-	63.81	-
Portugal.....	42.78	39.89	39.75	42.78	39.75	7.6
Romania.....	49.13	47.82	50.29	49.13	50.29	-2.3
Spain.....	42.04	44.35	42.64	42.04	42.64	-1.4
Sweden.....	53.25	52.59	53.08	53.25	53.08	.3
Turkey.....	50.91	46.70	49.12	50.91	49.12	3.7
United Kingdom.....	39.99	40.76	41.87	39.99	41.87	-4.5
Other ²	60.48	38.92	62.72	60.48	62.72	-3.6
Asia Total	43.82	43.17	44.80	43.82	44.80	-2.2
China (Taiwan).....	41.33	40.92	41.63	41.33	41.63	-7
Israel.....	40.89	40.79	38.45	40.89	38.45	6.3
Japan.....	43.30	43.63	44.67	43.30	44.67	-3.1
Korea, Republic of.....	49.87	44.10	48.68	49.87	48.68	2.4
Other ²	38.55	42.68	38.58	38.55	38.58	-1
Oceania & Australia Total	-	44.92	-	-	-	-
Africa Total	53.19	52.01	48.36	53.19	48.36	10.0
Algeria.....	53.42	56.48	55.93	53.42	55.93	-4.5
Egypt.....	59.27	57.07	59.41	59.27	59.41	-2
Morocco.....	33.81	39.15	37.87	33.81	37.87	-10.7
South Africa, Rep of.....	54.34	53.75	54.54	54.34	54.54	-4
Total³	45.78	43.83	45.92	45.78	45.92	-3
U.S. Total⁴	45.99	44.19	46.04	45.99	46.04	-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.

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	January - March 1997	October - December 1996	January - March 1996	Year to date		
				1997	1996	Percent Change
North America Total	1,528,931	2,829,679	318,767	1,528,931	318,767	379.6
Canada ¹	1,211,767	2,374,095	225,123	1,211,767	225,123	438.3
Jamaica.....	12,322	7,452	8,816	12,322	8,816	39.8
Mexico.....	299,747	424,946	84,602	299,747	84,602	254.3
Other ²	5,095	23,186	226	5,095	226	(3)
South America Total	112,206	205,714	88,018	112,206	88,018	27.5
Argentina.....	16,639	9,703	318	16,639	318	(3)
Brazil.....	43,656	2,336	12,830	43,656	12,830	240.3
Chile.....	4,973	149,939	66,183	4,973	66,183	-92.5
Other ²	46,938	43,736	8,687	46,938	8,687	440.3
Europe Total	3,436,932	4,062,708	4,690,465	3,436,932	4,690,465	-26.7
Belgium & Luxembourg.....	267,667	287,809	219,549	267,667	219,549	21.9
Bulgaria.....	-	49,562	-	-	-	-
Denmark.....	104,999	230,439	391,149	104,999	391,149	-73.2
Finland.....	-	58,498	-	-	-	-
France.....	119,135	256,947	304,982	119,135	304,982	-60.9
Germany, FR.....	59,134	-	250,389	59,134	250,389	-76.4
Ireland.....	129,448	229,839	223,762	129,448	223,762	-42.1
Italy.....	591,864	733,704	1,096,821	591,864	1,096,821	-46.0
Netherlands.....	316,229	327,929	784,139	316,229	784,139	-59.7
Norway.....	-	11,246	-	-	-	-
Portugal.....	117,534	585,624	230,910	117,534	230,910	-49.1
Spain.....	339,991	331,821	335,254	339,991	335,254	1.4
Sweden.....	-	5,000	-	-	-	-
Turkey.....	1,159	807	110,982	1,159	110,982	-99.0
United Kingdom.....	1,386,583	851,330	742,528	1,386,583	742,528	86.7
Other ²	3,189	102,153	-	3,189	-	-
Asia Total	1,774,335	1,708,634	1,833,979	1,774,335	1,833,979	-3.3
China (Taiwan).....	456,085	349,710	411,949	456,085	411,949	10.7
Israel.....	230,614	224,827	224,226	230,614	224,226	2.8
Japan.....	992,678	765,880	981,552	992,678	981,552	1.1
Korea, Republic of.....	74,180	367,232	211,568	74,180	211,568	-64.9
Other ²	20,778	985	4,684	20,778	4,684	343.6
Oceania & Australia Total	-	551	-	-	-	-
Africa Total	129,483	129,550	477,283	129,483	477,283	-72.9
Egypt.....	681	-	825	681	825	-17.5
Morocco.....	128,802	129,550	476,458	128,802	476,458	-73.0
Total	6,981,887	8,936,836	7,408,512	6,981,887	7,408,512	-5.8

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

² Includes countries with exports less than or equal to 50,000 short tons (45,359 metric tons) in 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	January - March 1997	October - December 1996	January - March 1996	Year to date		
				1997	1996	Percent Change
North America Total	\$35.44	\$31.99	\$39.42	\$35.44	\$39.42	-10.1
Canada ¹	33.84	30.36	37.67	33.84	37.67	-10.2
Jamaica.....	46.25	41.00	38.99	46.25	38.99	18.6
Mexico.....	41.05	39.84	44.07	41.05	44.07	-6.9
Other ²	44.84	43.84	-	44.84	-	-
South America Total	47.00	37.44	37.96	47.00	37.96	23.8
Argentina.....	44.99	44.98	-	44.99	-	-
Brazil.....	50.16	44.90	45.33	50.16	45.33	10.7
Chile.....	43.89	35.25	36.01	43.89	36.01	21.9
Other ²	45.10	44.42	35.18	45.10	35.18	28.2
Europe Total	35.84	36.97	37.69	35.84	37.69	-4.9
Belgium & Luxembourg.....	40.88	39.99	40.98	40.88	40.98	-2
Bulgaria.....	-	59.15	-	-	-	-
Denmark.....	39.85	32.06	33.34	39.85	33.34	19.5
Finland.....	-	37.80	-	-	-	-
France.....	38.20	39.18	38.91	38.20	38.91	-1.8
Germany, FR.....	41.75	-	36.61	41.75	36.61	14.0
Ireland.....	42.29	41.23	40.91	42.29	40.91	3.4
Italy.....	45.89	43.97	45.38	45.89	45.38	1.1
Netherlands.....	35.85	36.59	36.50	35.85	36.50	-1.8
Portugal.....	39.00	38.88	39.75	39.00	39.75	-1.9
Spain.....	23.87	23.91	23.68	23.87	23.68	.8
Sweden.....	-	47.90	-	-	-	-
Turkey.....	44.96	44.94	46.35	44.96	46.35	-3.0
United Kingdom.....	31.88	31.70	32.21	31.88	32.21	-1.0
Other ²	38.26	38.92	-	38.26	-	-
Asia Total	39.43	39.06	39.25	39.43	39.25	.5
China (Taiwan).....	39.27	38.69	38.92	39.27	38.92	.9
Israel.....	39.22	38.45	38.45	39.22	38.45	2.0
Japan.....	39.91	39.44	39.68	39.91	39.68	.6
Korea, Republic of.....	38.54	38.96	38.74	38.54	38.74	-.5
Other ²	25.59	42.68	38.58	25.59	38.58	-33.7
Oceania & Australia Total	-	44.92	-	-	-	-
Africa Total	33.87	39.15	37.88	33.87	37.88	-10.6
Egypt.....	45.00	-	44.97	45.00	44.97	.1
Morocco.....	33.81	39.15	37.87	33.81	37.87	-10.7
Total ³	36.82	35.90	38.16	36.82	38.16	-3.5
U.S. Total ⁴	37.39	36.81	38.52	37.39	38.52	-2.9

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

² Includes countries with exports less than or equal to 50,000 short tons (45,359 metric tons) in 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	January - March 1997	October - December 1996	January - March 1996	Year to date		
				1997	1996	Percent Change
North America Total	182,930	1,700,934	349,338	182,930	349,338	-47.6
Canada ¹	107,446	1,580,293	237,692	107,446	237,692	-54.8
Mexico.....	75,484	120,641	111,646	75,484	111,646	-32.4
South America Total	1,832,681	1,634,924	1,338,225	1,832,681	1,338,225	36.9
Argentina.....	129,431	34,425	36,398	129,431	36,398	255.6
Brazil.....	1,703,250	1,600,499	1,231,206	1,703,250	1,231,206	38.3
Chile.....	-	-	70,442	-	70,442	-
Other ²	-	-	179	-	179	-
Europe Total	6,614,461	6,423,511	6,604,287	6,614,461	6,604,287	.2
Belgium & Luxembourg.....	985,964	603,634	1,079,466	985,964	1,079,466	-8.7
Bulgaria.....	202,028	256,114	333,791	202,028	333,791	-39.5
Finland.....	-	-	46,552	-	46,552	-
France.....	727,725	822,157	636,686	727,725	636,686	14.3
Germany, FR.....	59,291	233,973	75,285	59,291	75,285	-21.2
Ireland.....	109,607	-	-	109,607	-	-
Italy.....	977,648	1,167,767	1,445,283	977,648	1,445,283	-32.4
Netherlands.....	1,208,155	990,559	1,086,761	1,208,155	1,086,761	11.2
Norway.....	15,697	14,684	13,270	15,697	13,270	18.3
Portugal.....	66,042	61,709	-	66,042	-	-
Romania.....	270,866	353,674	268,252	270,866	268,252	1.0
Spain.....	565,353	542,622	490,506	565,353	490,506	15.3
Sweden.....	73,912	336,990	142,873	73,912	142,873	-48.3
Turkey.....	539,690	480,650	336,789	539,690	336,789	60.2
United Kingdom.....	800,451	558,978	628,395	800,451	628,395	27.4
Other ²	12,032	-	20,378	12,032	20,378	-41.0
Asia Total	1,813,862	2,099,785	2,321,766	1,813,862	2,321,766	-21.9
China (Taiwan).....	124,949	104,918	123,497	124,949	123,497	1.2
Israel.....	29,116	122,209	-	29,116	-	-
Japan.....	1,148,670	1,233,094	1,505,490	1,148,670	1,505,490	-23.7
Korea, Republic of.....	500,380	639,564	681,917	500,380	681,917	-26.6
Other ²	10,747	-	10,862	10,747	10,862	-1.1
Africa Total	727,921	444,932	589,336	727,921	589,336	23.5
Algeria.....	49,877	55,919	54,351	49,877	54,351	-8.2
Egypt.....	343,949	222,412	262,031	343,949	262,031	31.3
South Africa, Rep of.....	334,095	166,601	272,954	334,095	272,954	22.4
Total	11,171,855	12,304,086	11,202,952	11,171,855	11,202,952	-3

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	January - March 1997	October - December 1996	January - March 1996	Year to date		
				1997	1996	Percent Change
North America Total	\$46.07	\$40.31	\$43.38	\$46.07	\$43.38	6.2
Canada ¹	41.59	39.39	40.16	41.59	40.16	3.6
Mexico.....	52.45	53.25	50.24	52.45	50.24	4.4
South America Total	49.09	49.33	48.34	49.09	48.34	1.6
Argentina.....	54.14	55.63	47.46	54.14	47.46	14.1
Brazil.....	48.71	49.19	49.22	48.71	49.22	-1.0
Chile.....	-	-	33.36	-	33.36	-
Other ²	-	-	55.87	-	55.87	-
Europe Total	52.40	52.49	52.03	52.40	52.03	.7
Belgium & Luxembourg.....	53.76	54.63	53.44	53.76	53.44	.6
Bulgaria.....	51.03	48.75	46.20	51.03	46.20	10.5
Finland.....	-	-	49.85	-	49.85	-
France.....	52.71	52.81	50.54	52.71	50.54	4.3
Germany, FR.....	52.38	56.64	52.95	52.38	52.95	-1.1
Ireland.....	41.25	-	-	41.25	-	-
Italy.....	53.57	53.87	51.60	53.57	51.60	3.8
Netherlands.....	51.41	50.28	52.16	51.41	52.16	-1.4
Norway.....	-	57.20	63.81	-	63.81	-
Portugal.....	49.50	49.50	-	49.50	-	-
Romania.....	49.13	47.82	50.29	49.13	50.29	-2.3
Spain.....	52.97	56.85	55.60	52.97	55.60	-4.7
Sweden.....	53.25	52.66	53.08	53.25	53.08	.3
Turkey.....	50.92	46.70	50.03	50.92	50.03	1.8
United Kingdom.....	54.06	54.57	53.29	54.06	53.29	1.5
Other ²	66.02	-	62.72	66.02	62.72	5.3
Asia Total	48.10	46.52	49.20	48.10	49.20	-2.2
China (Taiwan).....	48.83	48.33	50.64	48.83	50.64	-3.6
Israel.....	54.10	45.10	-	54.10	-	-
Japan.....	46.23	46.24	47.92	46.23	47.92	-3.5
Korea, Republic of.....	51.55	47.04	51.76	51.55	51.76	-4
Other ²	63.40	-	-	63.40	-	-
Africa Total	56.62	55.75	56.85	56.62	56.85	-4
Algeria.....	53.42	56.48	55.93	53.42	55.93	-4.5
Egypt.....	59.30	57.07	59.45	59.30	59.45	-3
South Africa, Rep of.....	54.34	53.75	54.54	54.34	54.54	-4
Total ³	51.33	49.49	50.99	51.33	50.99	.7
U.S. Total ⁴	51.37	49.55	51.02	51.37	51.02	.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.

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	January - March 1997	October - December 1996	January - March 1996	Year to date		
				1997	1996	Percent Change
North America Total	164,080	342,420	331,013	164,080	331,013	-50.4
Canada.....	163,760	337,781	330,635	163,760	330,635	-50.5
Mexico.....	320	4,639	378	320	378	-15.3
South America Total	580,199	756,696	928,021	580,199	928,021	-37.5
Colombia.....	446,777	492,111	570,531	446,777	570,531	-21.7
Venezuela.....	133,422	264,585	357,490	133,422	357,490	-62.7
Europe Total	7,100	395	-	7,100	-	-
Belgium & Luxembourg.....	1,123	369	-	1,123	-	-
Norway.....	5,977	-	-	5,977	-	-
Turkey.....	-	26	-	-	-	-
Asia Total	370,112	466,811	224,668	370,112	224,668	64.7
China (Mainland).....	135	-	-	135	-	-
Indonesia.....	358,978	466,809	224,668	358,978	224,668	59.8
Japan.....	-	2	-	-	-	-
Vietnam.....	10,999	-	-	10,999	-	-
Oceania & Australia Total	86,324	57,249	70,617	86,324	70,617	22.2
Australia.....	49,125	57,249	70,617	49,125	70,617	-30.4
New Zealand.....	37,199	-	-	37,199	-	-
Total	1,207,815	1,623,571	1,554,319	1,207,815	1,554,319	-22.3

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	January - March 1997	October - December 1996	January - March 1996	Year to date		
				1997	1996	Percent Change
North America Total	\$29.66	\$40.96	\$35.67	\$29.66	\$35.67	-16.9
Canada.....	29.66	41.03	35.69	29.66	35.69	-16.9
Mexico.....	-	37.60	25.02	-	25.02	-
South America Total	35.16	35.35	35.44	35.16	35.44	-8
Colombia.....	35.25	35.41	34.34	35.25	34.34	2.7
Venezuela.....	34.87	35.24	37.19	34.87	37.19	-6.2
Asia Total	35.08	34.63	43.03	35.08	43.03	-18.5
Indonesia.....	35.08	34.63	43.03	35.08	43.03	-18.5
Oceania & Australia Total	37.25	36.62	37.30	37.25	37.30	-.1
Australia.....	37.25	36.62	37.30	37.25	37.30	-.1
Total ¹	34.53	36.00	36.68	34.53	36.68	-5.9
U.S. Total ²	37.31	38.09	36.95	37.31	36.95	1.0

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

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

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

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

Appendix C

Explanatory Notes

Appendix C

Explanatory Notes

Data Sources

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

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

Coal Surveys

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

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

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

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

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

Quarterly Coal Consumption Report - Manufacturing

Plants (Form EIA-3)

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

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

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

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

Coke Plant Report (Form EIA-5)

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

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

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

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

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

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

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

Coal Distribution Report (Form EIA-6)

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

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

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

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

Coal Production Report (Form EIA-7A)

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

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

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

Electric Utility Surveys

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

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

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

Monthly Power Plant Report (Form EIA-759)

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

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

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

Monthly Report of Cost and Quality of Fuels for Electric Plants

(FERC Form 423)

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

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

Annual Nonutility Power Producer Report (Form EIA-867)

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

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

Export and Import Data

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

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

Technical Notes

3. Receipts

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

Electric Utilities. Receipts are reported on FERC Form 423.

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

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

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

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

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

4. Prices

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

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

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

1. Other Industrial Plants and Manufacturing

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

2. Residential and Commercial

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

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

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

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

5. Consumption

Quarterly Data

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

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

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

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

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

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

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

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

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

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

Monthly Data

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

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

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

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

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

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

6. Stocks

Quarterly Data

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

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

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

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

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

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

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

Monthly Data

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

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

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

7. Production

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

Weekly Data

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

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

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

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

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

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

Monthly Data

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

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

Quarterly Data

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

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

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

Finalizing of Annual Production

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

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

8. Census Export and Import Data

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

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

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

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

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

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

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

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

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

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

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

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

9. Metric Data

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

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

10. Revisions

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

1. Annual survey data collected by this office are published either as preliminary or final when first appearing in a data report. Data initially released as preliminary will be so noted in the report. These data will be revised, if necessary, and declared final in the next publication of the data.
2. All monthly and quarterly survey data collected by this office are published as preliminary. These data are revised only after the completion of the 12-month cycle of the data. No revisions are made to the published data before this.
3. The magnitudes of changes due to revisions experienced in the past will be included in the data reports, so that the reader can assess the accuracy of the data (Table C1). :sk 6.5i.
4. After data are published as final, corrections will be made only in the event of a greater than one percent difference at the national level. Corrections for differences that are less than the one percent threshold are left to the discretion of the Office Director.

11. Price Data and Taxes

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

12. Approximate Heat Content of Coal

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Item	Mean Absolute Value of Change	
	1994	1995
Production (Thousand Short Tons)	852	1,267
Receipts (Thousand Short Tons)		
Electric Utilities	48	101
Other Industrial	314	343
Coke Plants	155	0
Residential/Commercial	56	1
Average Price of Coal Receipts (Dollars Per Short Ton)		
Electric Utilities	31	18
Other Industrial	364	123
Coke Plants	2,422	0
Consumption (Thousand Short Tons)		
Electric Utilities	31	80
Other Industrial	\$.54	\$12.11
Coke Plants	1.70	.00
Residential/Commercial .....	.56	.01
Stocks¹ (Thousand Short Tons)		
Electric Utilities	130	245
Other Industrial	38	94
Coke Plants	65	0
Producer/Distributor	26	32

¹ Stocks are end of quarter values.

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

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

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

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

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

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

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

Glossary

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

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

Btu/lb.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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