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Annual Summary of Cost and Quality of Electric Utility Plant Fuels, 1977

WITH SUPPLEMENTS :

- ORIGIN OF COAL DELIVERED TO ELECTRIC UTILITIES
- COMPARISON OF 1977 SULFUR REGULATIONS WITH THE SULFUR CONTENT OF DELIVERED COAL
- PROFILE OF FUEL DELIVERIES TO ELECTRIC UTILITIES, 1974 – 1977
- PLANT INFORMATION: QUANTITY, QUALITY, AND PRICES OF FOSSIL FUELS DELIVERED IN 1977

SEPTEMBER 1978

Staff Report by the
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Federal Energy Regulatory Commission
U. S. Department of Energy
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TABLE OF CONTENTS

		Page
PREFACE		I
Part I	DISCUSSION OF FORM 423 DATA	
	* Cost and Quality of Fossil Fuels for Steam-Electric Power Generation	i
	- Coal	vii
	- Oil	xii
	- Gas	xi
	* Origin-Destination of Coal for Electric Utilities	xxi
	* Comparison of 1977 Sulfur Regulations with the Sulfur Content of Coal Delivered to Electric Utilities	xxviii
Part II	COST AND QUALITY DATA, ANNUAL TABLES , 1977 Aggregated by State and Geographic Region	1
Part III	COAL ORIGIN-BY-DESTINATION DATA, ANNUAL TABLES, 1977 Aggregated by Bureau of Mines Coal Producing District and State	29
Part IV	COAL, DESTINATION-BY-ORIGIN DATA, ANNUAL TABLES 1977 Aggregated by Geographic Region and State	35
Part V	QUANTITY OF COAL COMPLYING WITH 1977 AIR POLLUTION CONTROL REGULATIONS FOR SULFUR Aggregated by Utility and Plant	43

APPENDICES:

I Plant Information: Quantity, Quality, and Prices of Fossil Fuels Delivered in 1977

II Profile of Fuel Deliveries to Electric Utilities, 1974-1977

III List of 20 Largest Companies, Ranked By Total Btu's Received in 1977

IV List of 20 Largest Companies Ranked by Total Fuel Bill in 1977

V List of 20 Largest Companies, Ranked by Coal Deliveries in 1977

APPENDICES: (Cont.)

VI List of 20 Largest Companies, Ranked By Oil Deliveries in 1977

VII List of 20 Largest Companies, Ranked By Gas Deliveries in 1977

VIII Definition of U. S. Bureau of Mines Bituminous Coal and Lignite Producing Districts

IX Map of Major Geographic Regions

PREFACE

This Summary Report, covering the calendar year 1977, is the fourth annual report */ in a series based on data filed with the Federal Energy Regulatory Commission (formerly the Federal Power Commission) on FPC Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.

The first Summary Report covered 1973 and 1974 and was issued as a single volume in June 1975. The second report, containing data for the calendar year 1975, was issued in May of 1976. The third report for the calendar year 1976, was issued in May of 1977.

The 1977 data collected on FPC Form 423 was published by the Commission on a monthly basis in a format similar to tables shown in Part II of this report. Starting with calendar year 1978, the monthly data will be collected and summarized in a monthly report by the Energy Information Administration. Month-to-month fuel price changes for the period, starting with July 1972, can be obtained from these monthly reports.

*/ This Summary Report was prepared by the following staff members of the Energy and Fuels Analyses Branch, Office of Electric Power Regulation: Susan Rhodes, Statistical Assistant; Hilary Salkov, Statistician; John Pyrdol, Economist; Abdul Dasti, Chemical Engineer; Hugh Stewart, General Engineer; and Alex Gakner, Branch Chief.

I. DISCUSSION OF FORM 423 DATA
COST AND QUALITY OF
FOSSIL FUELS FOR ELECTRIC POWER GENERATION

In 1977 the demand for electric energy rose 4.2 percent, reaching a new record of 2124.1 billion kilowatt-hours. However, continuing drought conditions, particularly in the Western states, caused total hydroelectric power generation in the United States to decline 22.5 percent from 1976. Consequently, total thermal generation, including fossil and nuclear steam generation and generation in combustion units, increased at a faster rate than the average overall demand for electricity to compensate for the hydro losses; total thermal generation increased 8.5 percent from 1976.

The largest increase in electric power generation, both in absolute and relative terms, came from nuclear plants. During the twelve-month period ending December 31, 1977, electric utilities added approximately 7000 megawatts of nuclear capacity. These capacity additions, together with the significant increase in the capacity utilization factor (C.F.) for all nuclear plants from an estimated 52.6 percent in 1976 to 61.7 percent in 1977 1/ resulted in a 31.4 percent increase in nuclear generation.

Oil generation increased everywhere, except the West North Central and South Atlantic Regions, where it declined slightly, and the New England Region where it remained practically unchanged. The largest absolute increase was in California. Nationally, electric utility oil demand increased by nearly 68 million bbls.

After four years of decline, gas generation increased by 3.4 percent. While increases in gas generation were in evidence in the southern regions (South Atlantic and the South Central Regions) and the West (Mountain and Pacific States) the largest absolute increases were in Texas and California. The increase in gas-fired generation was made possible by the availability of additional gas -- 108.5 billion cubic feet -- for electric power generation.

Total electric power generation and fossil fuel consumption by electric utilities for the period 1974-1977 are shown, respectively, in Tables 1 and 2.

1/

$$C.F. = \frac{\text{Annual Generation (MWH)}}{\dfrac{\text{Capacity Beginning of Year + Capacity end of year (MW)}}{2}} \times \frac{100}{\text{Hours in Year}}$$

TABLE 1

Production of Electric Energy By Electric Utilities, 1974-1977 2/ (Billion kwh)

	1974	1975		1976		1977	
	Generation	Generation	% Change From 74	Generation	% Change From 75	Generation	% Change From 76
Coal	830	853	+ 2.8	944	+ 10.7	986	+ 4.4
Oil	299	289	- 3.3	320	+ 10.7	358	+ 11.9
Gas	320	300	- 6.3	295	- 7.7	305	+ 3.4
Nuclear	114	173	+ 51.8	191	+ 10.4	251	+ 31.4
Hydro	301	300	- 0.3	284	- 5.3	220	- 22.5
Other	3	3	0.0	4	+ 33.3	4	0.0
Total	1867	1918	+ 2.7	2038	+ 6.2	2124	+ 4.2

2/ Based on data in FPC Form 4 summarized in FPC News Releases No. 22686 (for 1974) and No. 23017 (for 1975) and in EIA Energy Data Reports DOE/EIA 0049/1 (for 1976 and 1977).

TABLE 2

Quantity of Fossil Fuels Consumed By Electric Utility Plants, 1974-1977 3/

		1974	1975		1976		1977	
Fuel	Units	Quantity	Quantity	% Change From 74	Quantity	% Change From 75	Quantity	% Change From 76
Coal	Million Tons	392	406	+ 3.6	448	+ 10.3	477	+ 6.5
Oil	Million Bbls	536	506	- 5.6	556	+ 9.9	624	+ 12.2
Gas	Million Mcf	3,429	3,158	- 7.9	3,081	- 2.5	3,189	+ 3.5

3/ Ibid.

Unit prices of all fossil fuels increased an average of 15.8 percent in 1977, as shown in Table 3 and Figure 1. Consequently, the total cost of all fossil fuels consumed by electric utilities reached a record $22.5 billion, 23.1 percent above the 1976 cost. The estimated cost of fossil fuels consumed by electric utilities is shown in Table 4.

In 1977, utilities reporting on Form 423 purchased 490.4 million tons of coal, 625.7 million barrels of oil and 3098.3 billion cubic feet (Bcf) of gas. The combined energy content of these purchases totaled 17.6 quadrillion Btu's, an 8.4 percent increase over similar purchases made last year. On a tonnage basis, utility coal purchases rose 35.5 million tons, a 7.8 percent increase over 1976 purchases. However, on a Btu basis coal deliveries increased only 7 percent as the average Btu content of electric utility coal continued its long-range decline. Oil deliveries to electric utilities increased in 1977 by 85 million barrels, a 15.8 percent increase over the previous year, both in terms of quantity delivered and in heat content. Gas purchases increased for the first time in five years. Table 5 shows the quantities and total energy content of the fossil fuels delivered to utilities in 1976 and 1977.

Appendix I shows plant-by-plant information on the quantity, quality, and prices of fossil fuels delivered in 1977. Appendix II presents a profile of fossil fuel deliveries to electric utilities during the 4-year period 1974-77. A list of the 20 largest companies, ranked by the total fossil energy received in 1977, is given in Appendix III. As can be seen from Appendix III, the 20 largest utilities (out of a total 279 companies reporting on Form 423) took delivery of 41.1 percent of the total Btu' delivered to all reporting plants.

The total cost of the fuels delivered to electric utilities reporting on Form 423 reached $22.8 billion in 1977, an increase of more than $4.6 billion, or 25.7 percent over last year's cost. The total cost of the fossil fuels delivered to electric utilities in 1976 and 1977 is shown in Table 6.

The list of 20 largest companies, ranked by the total fuel bill, is presented in Appendix IV. The 20 largest companies accounted for 43.6 percent of the total amount paid for fossil fuels by the 279 reporting utilities.

TABLE 3

Average Delivered Fossil Fuel Prices 4/
(Cents Per Million Btu)

	1974	1975		1976		1977	
	Avg. Price 5/	Avg. Price 5/	% Change From 74	Avg. Price	% Change From 75	Avg. Price	% Change From 76
Coal	71.0	81.4	+ 14.6	84.8	+ 4.2	94.7	+ 11.7
Oil	192.2	203.2	+ 5.7	199.8	- 1.7	225.5	+ 12.9
Gas	48.1	75.3	+ 56.5	103.4	+ 37.3	129.4	+ 25.1
Average	90.9	103.0	+ 13.3	111.8	+ 8.5	129.5	+ 15.8

4/ From FPC Form 423.
5/ Excludes peaking fuel prices.

TABLE 4

Estimated Cost of Fossil Fuels Consumed By Electric Utility Plants, 1974-1977 6/
($ Million)

	1974	1975		1976		1977	
	Est. Cost	Est. Cost	% Change From 74	Est. Cost	% Change From 75	Est. Cost	% Change From 76
Coal	6,060.4	7,157.8	+ 18.1	8,238.7	+ 15.1	9,719.6	+ 18.0
Oil	6,314.1	6,281.7	- 0.5	6,798.8	+ 8.2	8,537.8	+ 25.6
Gas	1,680.2	2,400.9	+ 42.9	3,262.6	+ 35.9	4,273.5	+ 31.0
Total	14,054.7	15,840.4	+ 12.7	18,300.1	+ 15.5	22,530.9	+ 23.1

6/ Calculated by applying average unit prices of fuels delivered to steam-electric plants (FPC Form 423) to the quantities of fuels consumed (FPC Form 4).

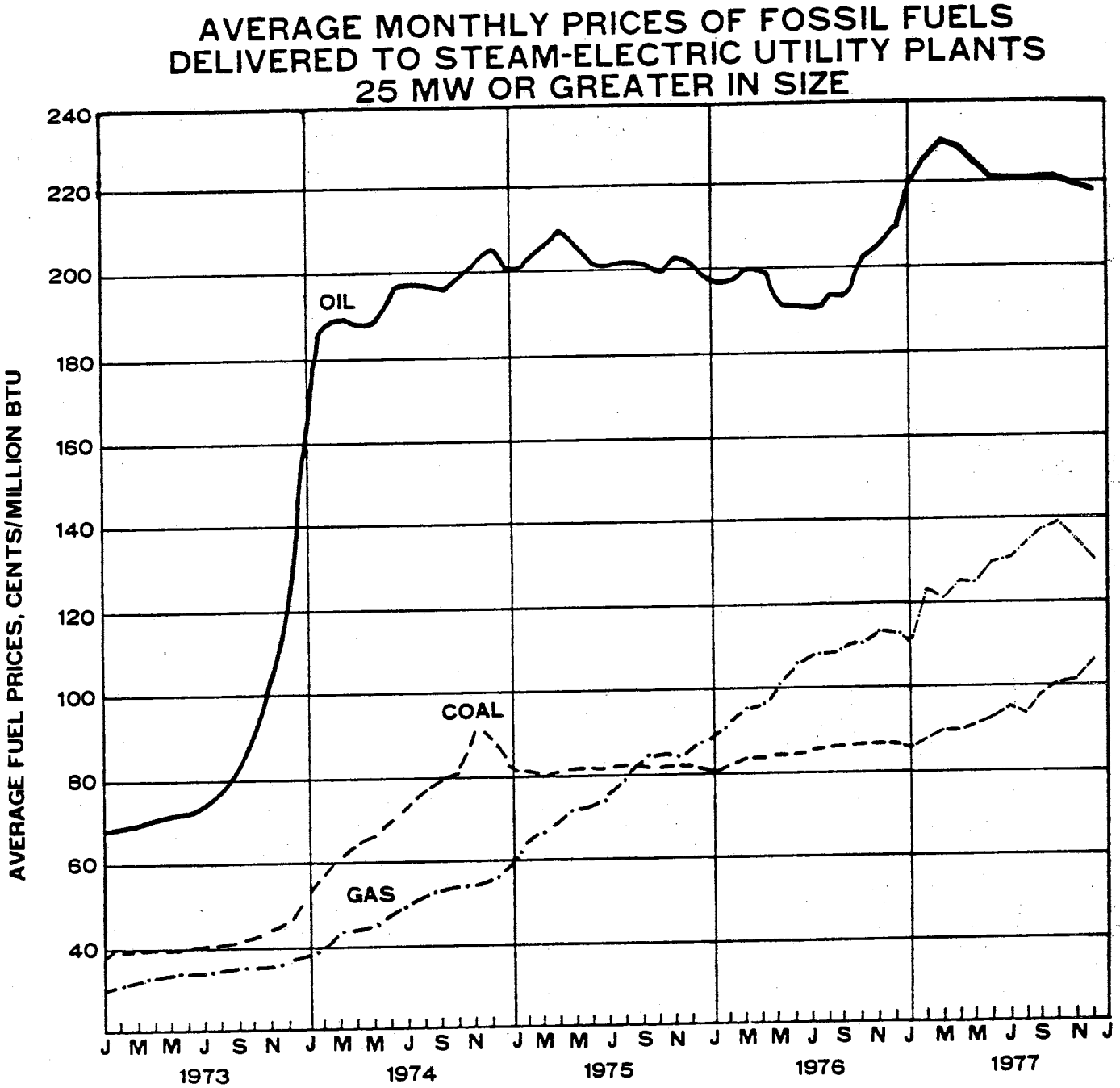
AVERAGE MONTHLY PRICES OF FOSSIL FUELS
DELIVERED TO STEAM-ELECTRIC UTILITY PLANTS
25 MW OR GREATER IN SIZE
AVERAGE FUEL PRICES, CENTS/MILLION BTU
240
220
200
180
160
140
120
100
80
60
40
OIL
COAL
GAS
J M M J S N J M M J S N J M M J S N J M M J S N J M M J S N J
1973
1974
1975
1976
1977

FIGURE 1

TABLE 5

Deliveries of Fossil Fuels To Electric Utilities In 1976 and 1977

Fuel	1976 Quantity (Millions)	1976 Total Btu (Trillions)	1976 % of Total Fossil Energy	1977 Quantity (Millions)	1977 Total Btu (Trillions)	1977 % of Total Fossil Energy
Coal	454.9 (Tons)	9,862.4	60.9	490.4 (Tons)	10,549.3	60.0
Oil (Steam)	508.3 (Bbls)	3,126.6	19.3	584.4 (Bbls)	3,594.8	20.5
(Peaking)	32.2 (Bbls)	186.4	1.1	41.3 (Bbls)	239.1	1.4
Total	540.5	3,313.0	20.4	625.7	3,833.9	21.9
Gas (Steam)	2,875.5 (Mcf)	2,942.9	18.2	3,003.3 (Mcf)	3,091.7	17.6
(Peaking)	84.8 (Mcf)	86.7	0.5	95.0 (Mcf)	97.1	0.5
Total	2,960.3	3,029.6	18.7	3,098.3	3,188.8	18.1
GRAND TOTAL		16,205.0	100.0		17,572.0	100.0

TABLE 6

Total Cost of Fossil Fuels
Delivered to Electric Utilities
In 1976 and 1977

Fuel	1976 Total Bill ($ Millions)	1977 Total Bill ($ Millions)	% Increase
Coal	8,361.3	9,989.4	+ 19.5
Oil (Steam)	6,176.1	8,000.6	+ 29.5
(Peaking)	442.6	645.7	+ 45.9
Total	6,618.7	8,646.3	+ 30.6
Gas (Steam)	3,045.8	4,018.8	+ 31.9
(Peaking)	88.6	107.3	+ 20.1
Total	3,134.4	4,126.1	+ 31.6
GRAND TOTAL	18,114.4	22,761.8	+ 25.7

COAL

In 1977 coal deliveries to electric utilities totaled 490.4 million tons. The deliveries increased 35.5 million tons, or 7.8 percent over 1976 shipments. The 20 largest receipients of coal accounted for 51.2 percent of all coal delivered to utilities in 1977 (See Appendix V).

Coal purchased on term contracts accounted for 80.6 percent of deliveries to electric utility plants. The remaining 19.4 percent were purchased in the spot market. As shown in Table 7, the proportion of the total coal purchased in the spot market increased significantly from the previous year as utilities went to the spot market to increase their stockpiles in anticipation of the strike by the United Mine Workers of America (UMWA).

TABLE 7

Contract and Spot Coal Deliveries

	1975		1976		1977	
	Quantity (Million Tons)	% of Total	Quantity (Million Tons)	% of Total	Quantity (Million Tons)	% of Total
Contract	352.8	81.8	391.0	86.0	395.2	80.6
Spot	78.3	18.2	63.9	14.0	95.2	19.4
Total	431.1	100.0	454.9	100.0	490.4	100.0

The quantities of coal produced from surface mines for delivery to electric utilities has increased annually during the past 5 years, as shown in Table 8.

TABLE 8

Surface And Underground-Mined Coal Deliveries

	QUANTITY SURFACE-MINED		QUANTITY DEEP-MINED	
	(1000 Tons)	(% of Total)	(1000 Tons)	(% of Total)
1973	228,666	61.0	146,143	39.0
1974	252,661	65.7	132,173	34.3
1975	286,315	66.4	144,737	33.6
1976	307,389	67.6	147,408	32.4
1977	342,969	69.9	147,445	30.1

Between 1976-1977 shipments of surface-mined coal rose by 35.6 million tons and accounted for all of the additional tonnage purchased by utilities during the year. The bulk of the surface-mined coal used by utilities originates from mines east of the Mississippi River. However, the vast majority of the increased shipments in 1977 was supplied by surface-mines west of the Mississippi.

Prices

The weighted average price of all coal increased $1.99 per ton in 1977 and reached a record high of $20.37 per ton. Contract coal prices climbed to a level of $19.25 per ton, an increase of $1.35 per ton over the 1976 level; while spot coal prices reached $24.99 per ton which was $3.66 per ton above average spot coal prices of 1976. The 17.2 percent increase of spot coal prices was mainly due to the strong demand in anticipation of the UMWA coal miners' strike planned to start in December of 1977. Table 9 and Figure 2 show contract and spot coal prices for the period 1974-1977.

Prices of coal bought under contract fluctuated from $8.18 per ton in the Western States to a high of $26.60 per ton in the North Eastern states. (Regional spot coal prices did not fluctuate as much as contract coal prices). Electric utilities in the South-Eastern states received the largest quantity of spot coal, (43.1 million tons) with an average price of $27.43 per ton; which compares to the national average of $24.99 per ton. Regional variations in contract and spot coal prices are presented in Table 10.

TABLE 9

Contract and Spot Coal Prices
In 1974, 1975, 1976 and 1977
($/Ton)

	1974	1975	1976	1977
Contract	12.00	16.25	17.90	19.25
Spot	26.55	23.81	21.33	24.99
Weighted Average	15.46	17.63	18.38	20.37

AVERAGE PRICES OF CONTRACT AND SPOT COAL PURCHASES

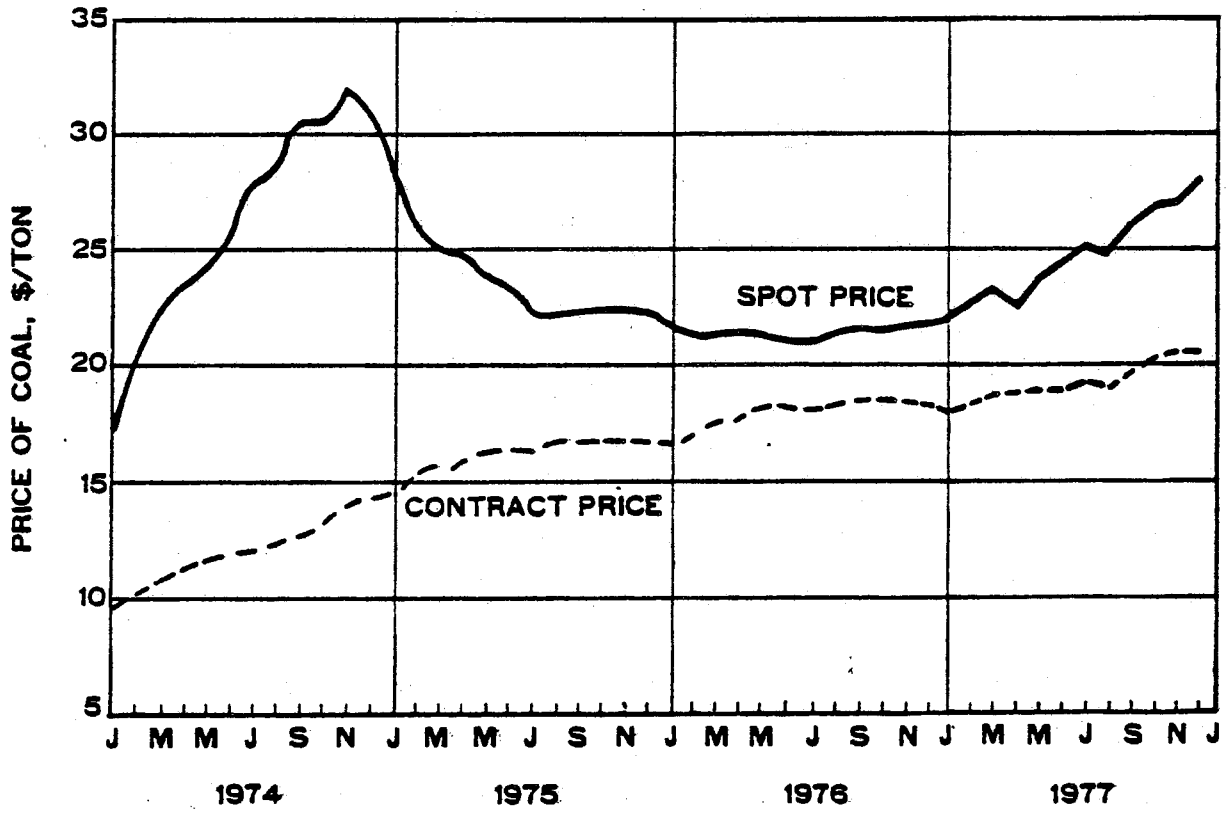

FIGURE 2

TABLE 10

Regional Quantities and Prices of Coal Deliveries In 1977

	CONTRACT COAL			SPOT COAL		
	QUANTITY	PRICES		QUANTITY	PRICES	
	(1000 Tons)	¢/Million Btu	$/Per Ton	(1000 Tons)	¢/Million Btu	$/Per Ton
North Eastern (New England & Middle Atlantic)	34,244.9	109.5	26.60	13,872.4	97.1	23.29
Mid West (East North Central & West North Central) 7/	163,198.0	91.8	19.33	36,292.3	111.5	22.67
South East (South Atlantic & East South Central)	117,242.2	106.2	24.45	43,116.3	116.9	27.43
West South Central	21,012.3	63.5	9.09	0	0	0
Western 8/ (Mountain & Pacific)	59,490.1	49.7	8.18	1,946.1	98.0	20.71
TOTAL	395,187.5	91.9	19.25	95,227.1	108.4	24.99

7/ Excluding North and South Dakota
8/ Including North and South Dakota

Quality

Sub-bituminous coal and lignite produced from mines west of the Mississippi River and shipped to power-plants on both sides of the river totaled 80.3 and 24.0 million tons, respectively, in 1977. These western coal shipments have increased annually during the past 4 years, and are reflected in the reductions of both the average heating value and sulfur content of all coal delivered to the nation's utilities, as shown in Table 11. The sulfur content of coal delivered to utilities in 1977 averaged 1.9 percent by weight, compared to 2.1 percent in 1976. The heating value of utility coal shipments averaged 10,756 Btu's per pound this year, compared to last year's average of 10,841 Btu's per pound.

OIL

In 1977 oil shipments to electric utilities increased 15.8 percent over last year to a total of 625.7 million barrels. Utilities received 584.4 million barrels for steam-electric use with the remaining 41.3 million barrels going to peaking units. Residual Oil (FO_6) shipments totaled 539.8 million barrels and comprised 92.4 percent of the oil delivered to steam-electric plants. Distillate oil (FO_2) shipments totaled 34.3 million barrels in 1977, and comprised 83.1 percent of peaking oil purchases as shown in Table 12.

In 1977, a total of 212 utilities reported oil purchases on Form 423; the 20 largest oil purchasing utilities received 65.3 percent of all oil purchases. These 20 utilities also accounted for 65.2 percent of the total oil expenditures reported by all utilities. Appendix VI list the 20 largest oil purchasing utilities.

Prices

The average price of oil to steam-electric plants was 222.6 cents per million Btu, an increase of 12.7 percent from the 1976 price level (see Table 13). The equivalent per-barrel price was $13.69 in 1977, compared to the $12.15 a barrel utilities paid for oil in 1976. The price paid by steam-electric plants for distillate oil (FO_2) averaged 264.3 cents per million Btu, up 12.4 percent from the previous year's level of 235.1 cents per million Btu.

TABLE 11

Grades of Coal Delivered to Electric Utilities, 1974-1977

	Quantity 1000 Ton	% of Total	Avg. Btu Per Pound	Avg. % Sulfur	Avg. Price ¢/Million Btu
		1974			
Bituminous	324815	84.4	11263	2.55	76.0
Sub-bituminous	47354	12.3	9375	0.54	39.2
Lignite	11444	3.0	6889	0.64	20.0
Anthracite	1255	0.3	8600	0.65	43.2
Total	384868	100.0	10892	2.24	70.9
		1975			
Bituminous	357319	82.8	11279	2.53	87.0
Sub-bituminous	56578	13.1	9232	0.56	49.9
Lignite	16345	3.8	6534	0.63	27.2
Anthracite	1286	0.3	8532	0.57	52.8
Total	431528	100.0	10822	2.19	81.4
		1976			
Bituminous	364227	80.1	11407	2.44	91.0
Sub-bituminous	67309	14.8	9242	0.57	56.3
Lignite	22211	4.9	6509	0.63	32.3
Anthracite	1111	0.2	8763	0.64	57.7
Total	454858	100.0	10841	2.07	84.8
		1977			
Bituminous	379960	77.5	11371	2.35	101.9
Sub-bituminous	85295	17.4	9216	0.55	66.5
Lignite	23979	4.9	6582	0.65	40.8
Anthracite	1182	0.2	8622	0.69	57.8
Total	490415	100.0	10756	1.90	94.7

TABLE 12

Oil Deliveries to Electric Utilities 1977

	Steam-Electric Plants		Peaking Units	
	Quantity (Million Bbls)	% of Total	Quantity (Million Bbls)	% of Total
Jet Fuel, Kerosene	-	-	6.4	15.5
Distillate (FO_2)	30.9	5.3	34.3	83.1
FO_4, FO_5	8.1	1.4	-	-
Residual (FO_6)	539.8	92.4	0.6	1.4
Crude, Topped Crude	5.6	0.9	-	-
Total	584.4	100.0	41.3	100.0

TABLE 13

Average Prices of Fuel Oil Delivered to Steam-Electric Plants, 1976-1977 (¢/Million Btu)

	1976	1977	Percent Change
Distillate (FO_2)	235.1	264.3	+ 12.4
FO_4, FO_5	216.9	228.7	+ 5.4
Residual (FO_6)	195.3	219.8	+ 12.5
Crude, Topped Crude	233.9	266.7	+ 14.0
Average All Deliveries	197.5	222.6	+ 12.7

Quality

Over the past two years the average heating value of oil products delivered to steam-electric plants has remained virtually unchanged, while, as shown in the tabulation below, the average sulfur content has dropped 10 percent.

	1976	1977	Percent Change
Heating Value (Btu/Gal)	146,464	146,452	+ 0.0
Sulfur (% by Weight)	1.0	0.9	10.0

As might be expected, because of air polltuion control standards a premium is placed on low sulfur oil purchased by electric utilities. Accordingly, in 1977 the average price of heavy oil (FO_4, FO_5, FO_6, Crude, and Topped Crude) delivered to utilities was substantially higher in the lower sulfur categories, as shown in Table 14.

TABLE 14

Cost of Heavy Oil by Sulfur Category, 1977

Sulfur Content (Percent by Weight)	Quantity Delivered (in Million Bbls)	Delivered Average Price (¢/Million Btu)
0.00 to 1.00	390.9	229.1
1.01 to 2.00	79.2	205.5
2.01 or more	83.4	194.6

GAS

Electric utility gas consumption has dropped annually since the peak year of 1972, when utility gas usage was nearly 4,000 billion cubic feet (Bcf). This downward trend was reversed, however, in 1977 when total utility gas consumption was 3189.2 Bcf, an increase of 108.6 Bcf above last year's level. 9/

9/ These data, based on FPC Form 4, are from the Energy Data Reports titled "Preliminary 1977 Power Production, Fuel Consumption and Installed Capacity Data", issued May 1978.

Only generating plants with a capacity of 25 megawatts or more are required to submit information on Form 423. However, FPC Form 4, ("Monthly Power Statement"), covers all electric utility generating plants. In 1977, electric utilities reported on Form 4 gas consumption totaling 3165.6 Bcf (excluding Alaska). During the same period, electric utilities reported on Form 423 gas deliveries totaling 3098.4 Bcf. Assuming all gas received in 1977 was consumed during the year, Form 423 covered 97.9 percent of gas consumption. However, because of the reporting limitations of Form 423 the coverage was much greater for steam electric units -- 99.5 percent -- and considerably less, only 64 percent, for peaking units. The quantities for each category as reported on Form 4 and Form 423 were:

	Quantity In Bcf		Form 423 As a % of Form 4
	Form 4	Form 423	
Steam Electric Units	3016.9	3003.3	99.5
Peaking Units	148.7	95.0	64.0
TOTAL	3165.6	3098.3	97.9

During 1977, 178 utilities reported receiving gas on Form 423, three less than in 1976. The 20 largest gas consuming utilities received 2,462 Bcf or 79.5 percent of total gas deliveries, as shown in Appendix VII.

In 1977, utilities received 3098.3 Bcf of natural gas and other gas products. This is an increase of 4.6 percent over the 1976 level, as shown in Table 15. Virtually all of the increase was accounted for by deliveries to utilities located in the gas producing states of the West South Central Region (WSC) (up 95.9 Bcf, or 4.8 percent from 1976) and in California (up 65.2 Bcf or 22.2 percent), as shown in Figure 3. Electric utilities in the WSC Region received a majority (70.4 percent) of the utility gas while California received 11.9 percent. As a group, utilities in the remaining states received 530.6 Bcf of the gas, which was 35.7 Bcf less than in 1976, as shown in Table 16. There are two basic reasons for the increased utility use of gas in 1977:

TABLE 15

Gas Deliveries to Electric Utilities
(Billion Cubic Feet) 10/

	1975	1976	% Change From 75	1977	% Change From 76
Firm	1943.3	1996.6	+ 2.7	2084.0	+ 4.4
Steam	1898.1	1948.1	+ 2.6	2023.6	+ 3.9
Peaking	45.2	48.5	+ 7.3	60.4	+ 24.5
Interruptible	1072.2	963.8	- 10.1	1011.0	+ 4.9
Steam	1027.8	927.5	- 9.8	977.1	+ 5.3
Peaking	44.4	36.3	- 18.2	33.9	- 6.6
Off-Peak	20.9	2.5	- 88.0	3.3	+ 32.0
Steam	20.1	2.3	- 88.6	2.6	+ 13.0
Peaking	0.8	0.2	- 75.0	.7	+250.0
Steam Total	2946.0	2877.9	- 2.3	3003.3	+ 4.4
Peaking Total	90.4	85.0	- 6.0	95.0	+ 11.8
(Peaking as % of Total)	(3.0)	(2.9)		(3.1)	
GRAND TOTAL	3036.5	2962.9	- 2.4	3098.3	+ 4.6

10/ Due to computer rounding the totals in this table differ slightly from those in Table 5.

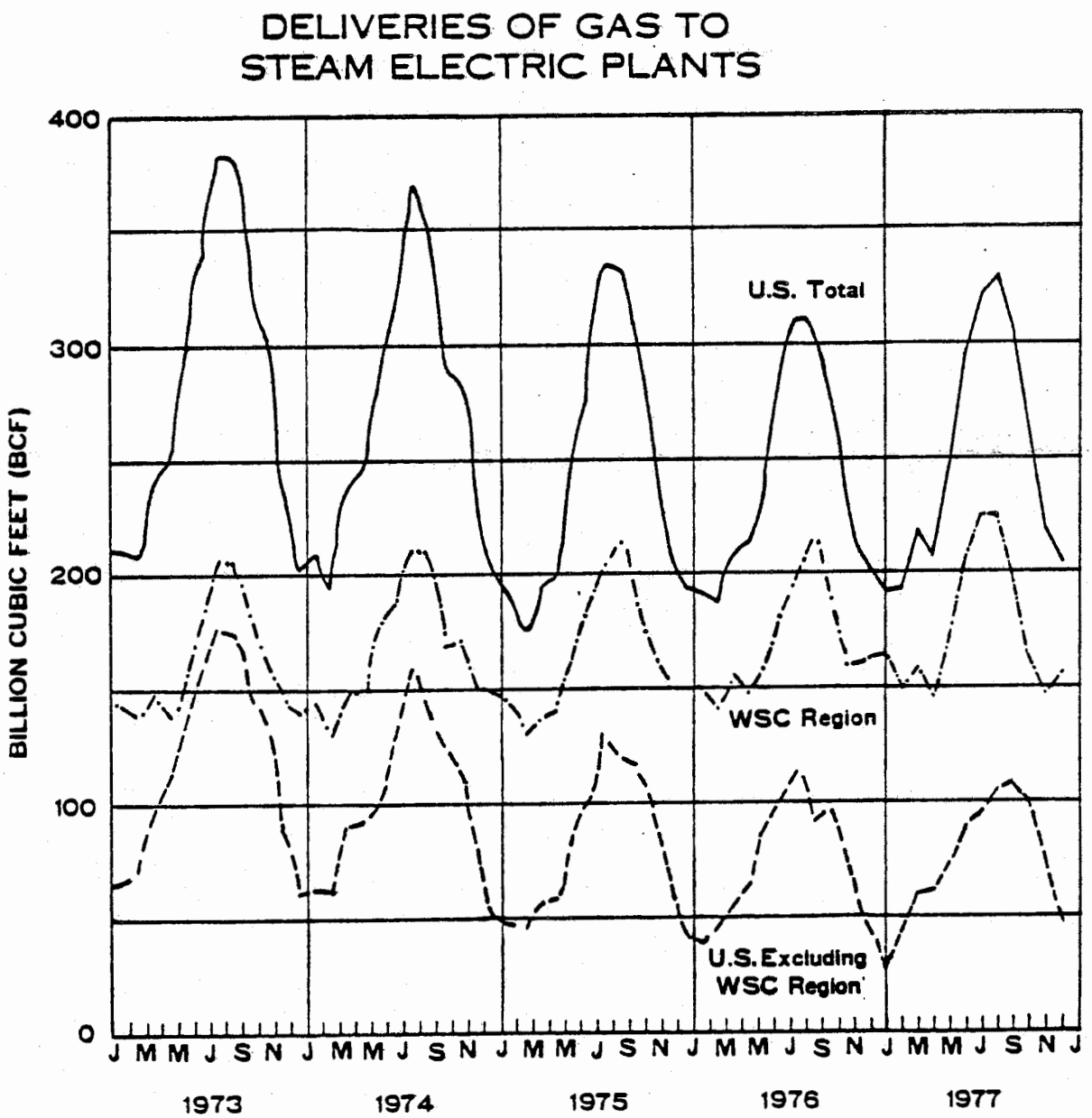
DELIVERIES OF GAS TO
STEAM ELECTRIC PLANTS
BILLION CUBIC FEET (BCF)
400
300
200
100
0
U.S. Total
WSC Region
U.S. Excluding
WSC Region
J M M J S N J M M J S N J M M J S N J M M J S N J M M J S N J
1973
1974
1975
1976
1977

FIGURE 3

TABLE 16

Changes In Steam-Electric Utility Gas Deliveries
(Billion Cubic Feet)

	1973	1974	1975	1976	1977	Percent Change 1976-1977
Total United States	3383.7	3203.4	2946.0	2877.9	3003.3	+ 4.6
West South Central Region 11/	1943.3	1988.0	1971.1	2018.0	2113.9	+ 4.8
(% of Total)	(57.4)	(62.1)	(66.9)	(70.1)	(70.4)	
California	446.4	289.8	273.3	293.6	358.8	+ 22.2
(% of Total)	(13.2)	(9.0)	(9.3)	(10.2)	(11.9)	
Remaining States	993.0	925.6	701.6	566.3	530 6	- 6.3
(% of Total)	(29.4)	(28.9)	(23.8)	(19.7)	(17.7)	

11/Includes Arkansas, Louisiana, Oklahoma and Texas.

NOTE: Prior to October 1974 electric utilities were not required to report fuel deliveries for use by peaking units. However, in 1973 and 1974 a number of utilities notably in the West South Central Region, reported total gas deliveries to the power plants, including gas which was ultimately used in peaking units.

1) Utilities in the WSC Region rely on natural gas to meet the bulk of their generating requirements. This region of the country experienced a warmer than normal summer in 1977 and, as a consequence, utility generating requirements (particularly from peaking units fueled primarily with natural gas) increased substantially.

2) Severe drought conditions in the western part of the United States, which began in late 1975, presisted throughout all of 1977. To compensate for the loss in hydro generation, utilities in California increased electricity generation from alternate sources, including natural gas.

Prices

In 1977, the price of gas to steam-electric plants averaged 130.0¢ per million Btu, an increase of 26.6¢ per million Btu over the average price of similar gas deliveries last year. Table 17 shows average prices of steam-electric gas from 1973 to 1977. National average firm and interruptible gas prices rose to 112.8¢ and 165.8¢ per million Btu, respectively.

TABLE 17

Prices of Gas Delivered to Steam-Electric Utilities 1973-1977
(¢/Million Btu)

	1973	1974	1975	1976	1977
Firm	29.9	44.3	70.2	93.6	112.8
Interruptible	39.0	54.0	84.8	124.1	165.8
Average	33.8	48.1	75.4	103.4	130.0

ORIGIN-DESTINATION OF COAL FOR ELECTRIC UTILITIES

Total 1977 deliveries of coal to steam-electric plants increased to over 490 million tons, a 7.8 percent rise above last year's level. As seen in Table 18, all nine major geographic regions experienced some degree of growth, with the majority of the additional coal shipments going to power plants located in regions West of the Mississippi River. Of the Western states receiving coal, only the Dakotas failed to expand deliveries between 1976-1977. As in the preceeding four years, utilities in Western regions continued to increase their coal receipts at a much faster rate than Eastern utilities. For instance, utilities in Texas showed a 50% increase in coal shipments in 1977, including 4 million additional tons of sub-bituminous coal from Wyoming and 2.3 million tons of lignite produced in-state. In the East, only utilities in the South Atlantic Region showed a significant gain in shipments during 1977, receiving 8.7 million tons more than last year.

TABLE 18

Regional Changes In Coal Deliveries to Electric Utilities 1976-1977

Destination	1976 Deliveries (1000 Tons)	1977 Deliveries (1000 Tons)	Absolute Difference	% Change
Eastern Regions				
New England	753	980	+ 227	+ 30.2
Mid-Atlantic	45,683	47,137	+ 1,454	+ 3.2
East North Central	147,840	150,069	+ 2,229	+ 1.5
South Atlantic	85,388	94,145	+ 8,757	+ 10.3
East South Central	66,097	66,213	+ 116	+ 0.2
Sub-Total	345,761	358,544	+12,783	+ 3.7
Western Regions				
West North Central	52,617	58,395	+ 5,778	+ 11.0
West South Central	13,370	21,012	+ 7,642	+ 57.2
Mountain	39,511	47,912	+ 8,401	+ 21.3
Pacific	3,600	4,550	+ 950	+ 26.4
Sub-Total	109,098	131,869	+22,771	+ 20.9
TOTAL	454,859	490,413	+35,554	+ 7.8

Historically, Eastern mines have dominated the electric utility market with large producing states like Kentucky, West Virginia, Pennsylvania, Illinois, and Ohio supplying most of the demand. However, as shown in Table 19, over the past five yars (1973-1977) only Kentucky has experienced significant growth in the utility coal market, while shipments of Illinois and West Virginia coal have actually dropped.

TABLE 19

Deliveries of Coal to Electric Utilities From The Five Largest Coal Producing States East of the Mississippi (1973-1977)

Origin	1973 Quantity Delivered (Million-Tons)	1977 Quantity Delivered (Million Tons)	Difference	Average Annual Rate of Growth, %
Kentucky	86.9	109.7	+ 22.8	+ 6.0
Illinois	48.9	45.6	- 3.3	- 1.7
Pennsylvania	39.6	45.5	+ 5.9	+ 3.5
West Virginia	47.3	44.2	- 3.1	- 1.7
Ohio	37.2	41.7	+ 4.5	+ 2.9
TOTAL	259.9	286.7	+ 26.8	+ 2.5

During the past four years the majority of incremental utility coal requirements has been met by coal produced in mines West of the Mississippi River. Using 1973 as a base year, Table 20 shows the continued growth of Western coal both quantitatively and as a percent of total coal demand in each of the past four years. During this period deliveries from the Northern Great Plains have increased two-and-a-half-fold while shipments from the Mountain Province have doubled. Also, deliveries of Texas lignite, while made strictly to utilities in Texas, have tripled during the period.

TABLE 20

Origin of Domestic Bituminous Coal and Lignite Delivered to Electric Utilities 1973-1977 (In Million Tons)

Eastern Deposits	1973	1974	1975	1976	1977	Average Annual Rate of Growth, %
Appalachia	190.1	194.1	209.0	215.6	229.8	+ 4.9
Interior Province (Eastern Region) 12/	122.4	114.4	125.8	122.4	118.0	- 0.9
Sub-Total	312.5	308.5	334.8	338.0	347.8	+ 2.7
Percent of Total	(83.6)	(80.6)	(78.0)	(74.7)	(71.3)	
Western Deposits						
Interior Province (Western Region) 13/	7.7	7.3	8.4	9.4	10.2	+ 7.3
Northern Great Plains 14/	32.4	41.7	54.1	64.4	82.2	+ 26.2
Mountain Province 15/	16.3	20.0	22.8	29.0	33.7	+ 19.9
Texas Lignite Region	4.7	5.1	9.1	11.9	14.2	+ 31.8
Sub-Total	61.1	74.1	94.4	114.7	140.3	+ 23.1
Percent of Total	(16.4)	(19.4)	(22.0)	(25.3)	(28.7)	
TOTAL	373.6	382.6	429.2	452.7	488.1	+ 6.9

12/ Includes Illinois, Indiana and Western Kentucky
13/ Includes Arkansas, Iowa, Kansas, Missouri and Oklahoma
14/ Includes Wyoming, Montana and North Dakota as well as coal produced in Centralia, Washington
15/ Includes New Mexico, Arizona, Colorado and Utah

NOTE: Because of rounding the 1977 tonnage originating in "Western Deposits" is 0.1 million tons higher than in Table 22.

The five largest Western coal producing states in 1977 and a comparison of their tonnage with 1973 figures are given in Table 21.

TABLE 21

Deliveries of Coal to Electric Utilities From Five Largest Western Coal Producing States, 1973 and 1977 (In Million Tons)

	1973 Quantity	1977 Quantity	Quantitative Difference	% Average Annual Growth Rate
1. Wyoming	13.1	42.2	+ 29.1	34.0
2. Montana	10.6	26.0	+ 15.4	25.1
3. Texas	4.7	14.2	+ 9.5	31.8
4. Arizona	2.9	11.3	+ 8.4	40.5
5. New Mexico	8.3	9.8	+ 1.5	4.2
TOTAL	39.6	103.5	+ 63.9	27.2

About 81.5 percent of coal produced in the West remained in the West in 1977. Of the 140.2 million tons produced in the West, 114.3 million tons remained in the West and about 26 million tons were shipped to plants East of the Mississippi. Virtually all of the 26 million tons went to plants in the East North Central Region, with most of this coal originating from Wyoming and Montana mines. Illinois power plants received almost 10 million tons of Western coal with Indiana, Wisconsin, Ohio and Michigan obtaining lesser quantities. Table 22 summarizes the movement of Western coal to electric utilities.

TABLE 22

Destination of Western Coal 16/
Delivered to Electric Utilities
1976-1977

Destination	1976 Deliveries (1000 Tons)	1977 Deliveries (1000 Tons)	Absolute Difference	% Change
Eastern Regions				
New England	-	-	-	-
Mid-Atlantic	-	-	-	-
East North Central	22,738	25,830	3,092	13.6
South Atlantic	-	-	-	-
East South Central	42	139	97	231.0
Sub-Total	22,780	25,969	3,189	14.0
Percent of Total	(19.9)	(18.5)	(12.5)	
Western Regions				
West North Central	35,411	40,780	5,369	15.2
West South Central	13,370	21,012	7,642	57.2
Mountain	39,511	47,912	8,401	21.3
Pacific	3,600	4,550	950	26.4
Sub-Total	91,892	114,254	22,362	24.3
Percent of Total	(80.1)	(81.5)	(87.5)	
TOTAL	114,672	140,223	25,551	12.3

16/ Western Deposits as defined in Table 20

Electric utilities imported 1.2 million tons of coal from abroad in 1977 which amounted to only one-fourth of one percent of the total coal demand. The coal averaged less than 1 percent sulfur and cost about $30.00 per ton.

Detailed qualitative and quantitative information on the origin and destination of coal delivered to electric utilities in 1977 is presented in Parts III and IV of this report. Table 23 summarizes the quantities of steam-electric coal moved between producing and consuming states in 1977.

TABLE 23

Origin and Destination of Coal Deliveries to Electric Utilities in 1977 (In 1000 Tons)

Destination \ Origin	Ala.	Ariz.	Ark.	Colo.	Ga.	Ill.	Ind.	Iowa	Kan.	Ky.	Md.	Mo.	Mont.
Alabama	12513.8	-	-	-	-	-	-	-	-	5336.1	-	-	-
Arizona	-	6753.8	-	157.1	-	-	-	-	-	-	-	-	-
Colorado	-	-	-	5175.1	-	-	-	-	-	-	-	-	-
Delaware	-	-	-	-	-	-	-	-	-	-	-	-	-
Florida	324.2	-	-	-	-	1081.5	47.7	-	-	4510.3	-	-	-
Georgia	881.3	-	-	-	0.7	-	1256.1	-	-	13471.5	-	-	-
Illinois	2.2	-	-	1409.4	-	18315.6	485.3	-	-	1754.7	-	*	6172.9
Indiana	-	-	-	256.6	-	3676.3	19282.8	-	-	5700.0	-	-	1315.0
Iowa	-	-	-	287.5	-	2099.4	9.1	485.9	-	207.5	-	308.5	160.1
Kansas	-	-	-	-	-	-	-	-	2190.0	-	-	-	-
Kentucky	-	-	-	-	-	1000.9	1869.8	-	-	22404.6	-	-	-
Maryland	-	-	-	-	-	-	-	-	-	-	848.5	-	-
Michigan	-	-	-	-	-	563.1	20.7	-	-	5888.2	28.0	-	2549.0
Minnesota	-	-	-	-	-	1152.2	-	-	-	18.6	-	-	9929.2
Mississippi	279.0	-	0.2	-	-	627.6	-	-	-	605.4	-	-	-
Missouri	-	-	-	-	-	12890.6	57.0	-	544.0	536.0	-	3633.4	-
Montana	-	-	-	-	-	-	-	-	-	-	-	-	3223.4
Nebraska	-	-	-	228.9	-	-	-	-	10.3	-	-	-	-
Nevada	-	4568.0	-	-	-	-	-	-	-	-	-	-	-
New Hampshire	-	-	-	-	-	-	-	-	-	-	-	-	-
New Jersey	-	-	-	-	-	-	-	-	-	194.3	-	-	-
New Mexico	-	-	-	-	-	-	-	-	-	-	-	-	-
New York	-	-	-	-	-	-	-	-	-	618.0	30.4	-	-
North Carolina	-	-	-	-	-	-	-	-	-	10496.1	-	-	-
North Dakota	-	-	-	-	-	-	-	-	-	-	-	-	-
Ohio	-	-	-	15.8	-	-	21.2	-	-	9165.4	31.8	-	-
Oklahoma	-	-	-	-	-	-	-	-	-	-	-	-	-
Pennsylvania	-	-	-	-	-	-	-	-	-	14.4	203.1	-	-
South Carolina	0.3	-	-	-	4.5	-	-	-	-	6197.6	-	-	-
South Dakota	-	-	-	-	-	-	-	-	-	-	-	-	12.0
Tennessee	0.2	-	-	-	-	267.5	503.6	-	-	14325.3	-	-	-
Texas	-	-	-	-	-	-	-	-	-	-	-	-	-
Utah	-	-	-	-	-	-	-	-	-	-	-	-	-
Vermont	-	-	-	-	-	-	-	-	-	-	-	-	-
Virginia	-	-	-	-	-	-	-	-	-	1968.9	9.0	-	-
Washington	-	-	-	-	-	-	-	-	-	-	-	-	-
West Virginia	-	-	-	-	-	-	-	-	-	4143.3	1053.3	-	-
Wisconsin	-	-	-	-	-	3885.0	711.8	-	-	2179.4	-	-	2592.1
Wyoming	-	-	-	-	-	-	-	-	-	-	-	-	-
U. S. TOTAL	14001.0	11321.8	0.2	7530.4	5.2	45559.8	24265.1	485.9	2744.3	109735.7	2204.1	3941.9	25953.7

* Trace amount of under 50 tons.

NOTE: INCLUDES ANTHRACITE AND IMPORTED COAL

TABLE 23 (Cont.)

Origin and Destination of Coal Deliveries
to Electric Utilities in 1977
(In 1000 Tons)

Destination \ Origin	N. M.	N. D.	Ohio	Okla.	Pa.	Tenn.	Tex.	Utah	Va.	Wash.	W. Va.	Wyo.	Import	TOTAL
Alabama	-	-	64.0	-	-	304.7	-	-	-	-	-	43.2	-	18261.8
Arizona	706.0	-	-	-	-	-	-	538.2	-	-	-	-	-	8155.1
Colorado	-	-	-	-	-	-	-	-	-	-	-	3140.2	-	8315.3
Delaware	-	-	-	-	704.0	-	-	-	-	-	-	-	-	704.0
Florida	-	-	-	-	-	-	-	-	-	-	-	-	1051.1	7014.8
Georgia	-	-	-	-	-	1767.0	-	-	716.6	-	-	-	-	18093.2
Illinois	-	-	-	-	-	27.0	-	-	-	-	3.0	3673.4	-	31843.6
Indiana	-	-	54.9	-	5.8	10.7	-	126.6	29.9	-	94.5	2580.3	-	33133.5
Iowa	-	-	-	60.4	-	-	-	-	-	-	-	4056.6	-	7675.1
Kansas	-	-	-	637.1	-	-	-	-	-	-	-	3333.3	-	6160.4
Kentucky	-	-	359.5	-	-	111.2	-	-	-	-	34.7	41.7	-	25822.4
Maryland	-	-	-	-	3410.7	-	-	-	-	-	897.1	-	-	5156.2
Michigan	-	-	5965.3	-	1230.0	-	-	-	52.4	-	5022.6	-	-	21319.4
Minnesota	-	768.3	8.5	12.2	-	26.8	-	-	-	-	0.8	-	-	11916.6
Mississippi	-	-	-	12.5	-	-	-	-	-	-	-	-	177.0	1701.7
Missouri	-	-	-	2110.3	114.0	4.0	-	132.0	442.0	-	49.0	841.7	-	21353.9
Montana	-	-	-	-	-	-	-	-	-	-	-	-	-	3223.4
Nebraska	-	-	-	151.7	-	-	-	160.2	-	-	-	1764.0	-	2315.0
Nevada	-	-	-	-	-	-	-	828.4	-	-	-	-	-	5396.4
New Hampshire	-	-	-	-	.2	-	-	-	-	-	959.9	-	-	960.1
New Jersey	-	-	-	-	575.6	-	-	-	467.4	-	1460.0	-	-	2697.3
New Mexico	9121.6	-	-	-	-	-	-	-	-	-	-	-	-	9121.6
New York	-	-	-	-	5285.2	-	-	-	-	-	528.6	-	-	6462.2
North Carolina	-	-	0.7	-	-	1175.4	-	-	7058.4	-	3125.5	-	-	21856.0
North Dakota	-	6507.9	-	-	-	-	-	-	-	-	-	-	-	6507.9
Ohio	-	-	32340.7	-	1863.2	0.1	-	812.7	36.6	-	5147.0	3620.7	-	53055.3
Oklahoma	-	-	-	-	-	-	-	-	-	-	-	1919.6	-	1919.6
Pennsylvania	-	-	1206.6	-	31545.9	-	-	-	-	-	5007.8	-	-	37977.8
South Carolina	-	-	-	-	-	368.1	-	-	669.2	-	56.3	-	-	7296.0
South Dakota	-	2237.2	-	6.0	-	-	-	-	-	-	-	211.2	-	2466.4
Tennessee	-	-	538.4	-	12.1	4286.6	-	-	452.4	-	-	41.3	-	20427.5
Texas	-	-	-	-	-	-	14153.0	-	-	-	-	4939.7	-	19092.7
Utah	-	-	-	-	-	-	-	2419.0	-	-	-	-	-	2419.0
Vermont	-	-	-	-	19.9	-	-	-	-	-	-	-	-	19.9
Virginia	-	-	-	-	1.0	2.0	-	-	2773.0	-	762.9	-	-	5516.7
Washington	-	-	-	-	-	-	-	-	-	4550.0	-	-	-	4550.0
West Virginia	-	-	1078.8	-	200.6	4.3	-	-	1047.8	-	20980.2	-	-	28508.3
Wisconsin	-	-	37.3	2.8	569.9	-	-	-	-	-	36.1	703.0	-	10717.5
Wyoming	-	-	-	-	-	-	-	-	-	-	-	11281.2	-	11281.2
U. S. TOTAL	9827.6	9513.4	41654.9	2993.0	45538.1	8087.8	14153.0	5017.1	13745.6	4550.0	44166.1	42191.0	1228.1	490414.8

NOTE: INCLUDES ANTHRACITE AND IMPORTED COAL

COMPARISON OF 1977 SULFUR REGULATIONS WITH THE SULFUR CONTENT OF COAL DELIVERED TO ELECTRIC UTILITIES 1977

In 1977 coal deliveries to 380 plants reporting coal purchases on Form 423 totaled 490.4 million tons. A comparison of the sulfur content of each coal shipment made to each plant, with the sulfur regulation outlined in the State Implementation Plan (SIP) for the same plant, 17/ shows that 296.8 million tons, or 60.5 percent of all the coal complied with 1977 SIP sulfur regulations as delivered. If, however, plants receiving both complying, and non-complying coal blended these shipments to meet sulfur regulations an additional 38.2 million tons could have been brought into SIP-compliance, increasing the quantity of complying coal to 335.0 million tons, or 68.3 percent of total utility shipments. Still remaining out of SIP-compliance would be 155.4 million tons, or about one-third of all 1977 coal shipments. The detailed plant-by-plant information is presented in Part V and summarized by state in Table 24.

The quantity of non-conforming coal is in reality greater than the 155.4 million tons shown in Table 24. The reason is that plants which have residual quantities of non-conforming coal "after blending," in effect the entire quantity (including the portion having sulfur levels less than SIP requirements) is non-conforming. Thus, of the 380 plants reporting coal deliveries, only 249 would be in compliance with SIP's for the entire quantity of coal delivered, while 131 plants, which took delivery of approximately 204 million tons of coal duirng the year, would not be in complaince.

The vast majority of the coal not complying with sulfur regulations was produced from Eastern mines for delivery to Eastern power plants. Of the 155.4 million tons of non-complying coal purchased by utilities in 1977, nearly 92 percent, about 142 million tons, was delivered to plants sited in geographic regions east of the Mississippi River. Moreover, most of these non-complying shipments went to plants in Ohio, Tennessee, Kentucky, Illinois, Michigan and Pennsylvania, states in which coal is the predominant boiler fuel. As shown in Table 25 the bulk of the coal purchased by Western power-plants complied with sulfur regulations, with much of the non-complying coal in those states going to plants in Nevada (5.3 million tons) and Texas (2.7 million tons).

17/ The sulfur regulations used in this analysis were provided by the Environmental Protection Agency (EPA) and reflect SIP revisions as of July 1977.

TABLE 24

COAL DELIVERIES TO STEAM PLANTS IN 1977
CONFORMING OR NOT-CONFORMING TO 1977 SULFUR REGULATIONS
(1000 TONS)

Geographic Region and State	Total Deliveries	BEFORE BLENDING Quantity Conforming	% of Total	Quantity Not-Conforming	% of Total	AFTER BLENDING Quantity Conforming	% of Total	Quantity Not-Conforming	% of Total
New Hampshire	960.1	960.1	100.00	0.0	0.0	960.1	100.00	0.0	0.0
Vermont	19.9	0.0	0.0	19.9	100.00	0.0	0.0	19.9	100.00
New England Total	980.0	960.1	97.97	19.9	2.03	960.1	97.97	19.9	2.03
New Jersey	2697.3	25.8	0.96	2671.4	99.04	34.1	1.26	2663.2	98.74
New York	6462.2	5056.3	78.24	1405.9	21.76	6462.2	100.00	0.0	0.0
Pennsylvania	37977.8	21769.2	57.32	16208.6	42.68	27614.4	72.71	10363.5	27.29
Middle Atlantic Total	47137.3	26851.3	56.96	20286.0	43.04	34110.6	72.36	13026.7	27.64
Illinois	31843.6	16874.8	52.99	14968.8	47.01	18774.4	58.96	13069.2	41.04
Indiana	33133.5	17482.7	52.76	15650.8	47.24	17759.1	53.60	15374.4	46.40
Michigan	21319.4	7409.4	34.75	13910.0	65.25	9133.7	42.84	12185.7	57.16
Ohio	53055.3	22466.7	42.35	30588.6	57.65	27590.4	52.00	25464.9	48.00
Wisconsin	10717.5	8075.1	75.34	2642.4	24.66	8075.1	75.34	2642.4	24.66
East North Central Total	150069.3	72308.6	48.18	77760.6	51.82	81332.7	54.20	68736.6	45.80
Iowa	7675.1	6618.2	86.23	1056.9	13.77	7480.4	97.46	194.7	2.54
Kansas	6160.4	3651.8	59.28	2508.6	40.72	4259.4	69.14	1900.9	30.86
Minnesota	11916.6	10743.6	90.16	1173.0	9.84	11465.2	96.21	451.5	3.79
Missouri	21353.9	17666.1	82.73	3687.8	17.27	18902.0	88.52	2452.0	11.48
Nebraska	2315.0	2303.7	99.51	11.3	0.49	2315.0	100.00	0.0	0.0
North Dakota	6507.8	6507.8	100.00	0.0	0.0	6507.8	100.00	0.0	0.0
South Dakota	2466.4	2460.4	99.76	6.0	0.24	2463.3	99.88	3.0	0.12
West North Central Total	58395.3	49951.7	85.54	8443.6	14.46	53393.3	91.43	5002.1	8.57
Delaware	704.0	704.0	100.00	0.0	0.0	704.0	100.00	0.0	0.0
Florida	7014.8	2166.3	30.88	4848.4	69.12	2223.9	31.70	4790.9	68.30
Georgia	18093.2	13001.6	71.86	5091.6	28.14	13047.3	72.11	5045.9	27.89
Maryland	5156.2	2698.6	52.34	2457.6	47.66	2961.6	57.44	2194.6	42.56
North Carolina	21856.0	16669.0	76.27	5187.0	23.73	21856.0	100.00	0.0	0.0
South Carolina	7296.0	5002.5	68.56	2293.6	31.44	5948.7	81.53	1347.4	18.47
Virginia	5516.7	5317.4	96.39	199.3	3.61	5504.0	99.77	12.7	0.23
West Virginia	28508.3	16106.6	56.50	12401.7	43.50	22195.4	77.86	6312.9	22.14
South Atlantic Total	94145.2	61666.0	65.50	32479.2	34.50	74441.0	79.07	19704.2	20.93
Alabama	18261.7	7702.2	42.18	10559.5	57.82	8317.5	45.55	9944.2	54.45
Kentucky	25822.4	9782.0	37.88	16040.4	62.12	12030.5	46.59	13791.9	53.41
Mississippi	1701.7	278.7	16.38	1423.0	83.62	427.1	25.10	1274.6	74.90
Tennessee	20427.5	2473.8	12.11	17953.8	87.89	4643.7	22.73	15783.9	77.27
East South Central Total	66213.3	20236.7	30.56	45976.6	69.44	25418.8	38.39	40794.5	61.61
Oklahoma	1919.6	1919.6	100.00	0.0	0.0	1919.6	100.00	0.0	0.0
Texas	19092.7	16455.7	86.19	2637.0	13.81	16455.7	86.19	2637.0	13.81
West South Central Total	21012.3	18375.3	87.45	2637.0	12.55	18375.3	87.45	2637.0	12.55
Arizona	8155.1	7983.0	97.89	172.1	2.11	8155.1	100.00	0.0	0.0
Colorado	8315.3	8315.3	100.00	0.0	0.0	8315.3	100.00	0.0	0.0
Montana	3223.4	2824.7	87.63	398.7	12.37	3188.3	98.91	35.1	1.09
Nevada	5396.4	0.0	0.0	5396.4	100.00	0.0	0.0	5396.4	100.00
New Mexico	9121.6	9121.6	100.00	0.0	0.0	9121.6	100.00	0.0	0.0
Utah	2419.0	2344.0	96.90	75.0	3.10	2400.1	99.22	18.9	0.78
Wyoming	11281.2	11281.2	100.00	0.0	0.0	11281.2	100.00	0.0	0.0
Mountain Total	47912.0	41869.8	87.39	6042.2	12.61	42461.5	88.62	5450.4	11.38
Washington	4550.0	4550.0	100.00	0.0	0.0	4550.0	100.00	0.0	0.0
Pacific Total	4550.0	4550.0	100.00	0.0	0.0	4550.0	100.00	0.0	0.0
U. S. TOTAL	490414.8	296769.5	60.51	193645.3	39.49	335043.3	68.32	155371.5	31.68

TABLE 25

Regional Summary of Coal Deliveries
To Electric Utilities In 1976 and 1977
Conforming to Sulfur Regulations After Blending
(1000 Tons)

	1976			1977		
Eastern Regions	Total Deliveries	Quantity Conforming	% of Total	Total Deliveries	Quantity Conforming	% of Total
New England	753	753	100.0	980	960	98.0
Middle Atlantic	45,683	33,742	73.9	47,137	34,111	72.4
East North Central	147,840	77,607	52.5	150,069	81,333	54.2
South Atlantic	85,388	66,643	78.0	94,145	74,441	79.1
East South Central	66,097	26,251	39.0	66,213	25,419	38.4
Sub-Total	345,761	204,996	59.3	358,544	216,264	60.3
Western Regions						
West North Central	52,617	45,036	85.6	58,395	53,393	91.4
West South Central	13,370	13,370	100.0	21,012	18,375	87.3
Mountain	39,511	31,084	78.7	47,912	42,462	88.6
Pacific	3,600	3,600	100.0	4,550	4,550	100.0
Sub-Total	109,098	93,090	85.3	131,869	118,780	90.0
TOTAL	454,859	298,086	65.5	490,413	335,044	68.3

Between 1976 and 1977 total coal shipments to utilities rose by 35.6 million tons, while shipments of SIP-compliance coal increased by 36.9 million tons. Although shipments of complying coal for direct burning and for blending purposes increased in 1977, their effect on total SIP-compliance coal was minimal. In the Eastern Regions quantities of compliance coal increased from 205 million tons in 1976 to 216.3 million tons in 1977. The major gains were in the East North Central region (up 1.7 percent), while decreases occurred in the New England (down 2.0 percent), Middle Atlantic (down 1.5 percent) and the East South Central region (down 0.6 percent). In 1977 Western utilities received 35 percent more conforming coal than in 1976. However, the West South Central Region experienced a significant decline (down 12.7 percent).

The calculations of conforming and non-conforming coal (after blending) assume annual averaging of the entire quantity of coal delivered to each plant during the year. The sulfur variability in coal from shipment-to-shipment, even in coal from the same mine, may be considerable and most power plants which appear to be complying with SIP regulations (as calculated assuming an annual averaging period) would, most likely, exceed the 3-hour regulations more than once a year. As stated above, this study only compares the sulfur content of the coal against the SIP regulations with which each coal-burning power plant will ultimately have to comply; it does not consider any compliance strategy in effect at the present time. Thus, some of the 131 plants which received coal exceeding SIP sulfur regulations may be operating under an approved variance providing a schedule of compliance at some future date, or may have an operational Flue Gas Desulfurization (FGD) system for meeting SO_2 emission regulations.

Table 26 identifies electric utilities using FGD system for compliance with SO_2 emission regulations. The source used to compile this table was Part IV of FPC Form 67, Steam-Electric Plant Air and Water Quality Control Data, for 1976. On this form electric utilities report five year projections showing, among other things, strategies for compliance with SO_2 emission regulations. Form 67 reports for 1977 were not due until June 15, 1978, and were not available in time for this study. Thus, it was necessary to use the 1976 reports (which included projected data on FGD use for the period 1977-1981) for the compilation of Table 26. The 1976 Form 67 submissions reported utility intentions to bring into service 11 additional FGD systems during 1977. The projected start-up dates and operation and maintenance costs for these eleven units are shown in Table 26.

TABLE 26

FGD CAPACITY IN OPERATION
AS OF DECEMBER 1977 1/

Company	Units	Total Plant Coal Fired Capacity	FGD Capacity	Start Up Date Of FGD System	Avg. Sulfur Content Of Coal	FGD Status	FGD Process	SO_2 Removal Efficiency Percent	COST Installed $/kw	COST Operation & Maintenance Mills/kwh
1. Arizona Public Service Co.	Cholla #1	116	60	12/73	0.46	Retrofit	Limestone	90	57.0	0.30
2. Springfield Elec. Utils.	Southwest #1	200	200	2/77	3.0	New	Limestone	87	81.25	-
3. Columbus and So. Ohio Elec.	Conesville #5	1595	375	11/77	4.03	New	Lime	90	43.0	3.89
4. Duquesne Light	Elrama	575	575	10/75	2.07	Retrofit	Lime	80	56.27	5.86
5. Duquesne Light	Phillips	387	387	7/73	1.94	Retrofit	Lime	80	68.54	4.88
6. Indianapolis Pwr. and Lt. Co.	Petersburg #3	701	515	10/77	2.78	New	Limestone	86	78.3	1.68
7. Kansas City Pwr. and Lt. Co.	Hawthorn #3	924	180	11/72	1.77	Retrofit	Lime	80	29.0	1.164
8. Kansas City Pwr. and Lt. Co.	" #4		90	8/72	1.77	Retrofit	Lime	80	29.0	1.164
Kansas City Pwr. and Lt. Co.	LaCygne #1	873	848	6/73	2.75	New	Limestone	80	55.0	1.10
9. Kentucky Utilities Co.	Green River #1,#2,#3	240	64	9/75	2.69	Retrofit	Lime	80	57.4	17.7
10. Louisville Gas and Elec.	Cane Run #4	992	190	12/76	3.66	Retrofit	Lime	74	52.10	0.264
11. Louisville Gas and Elec.	Paddys Run #6	322	73	4/73	3.52	Retrofit	Lime	85	52.0	2.07
12. Minnkota Pwr. Cooperative	Milton R. Young #2	678	438	9/77	0.70	New	Lime/flyash	78	73.0	-
13. Nevada Power	Reid Gardner #1	330	110	4/74	0.60	Retrofit	Sodium Carbonate	85	36.55	0.5
Nevada Power	" " #2		110	4/74	0.60	Retrofit	Sodium Carbonate	85	36.55	0.5
Nevada Power	" " #3		110	7/76	0.60	New	Sodium Carbonate	85	128.95	
14. Northern Indiana Pub. Serv.	Mitchell #11	502	115	9/77	0.92	Retrofit	Wellman Lord	90	165.0	10.0
15. Northern States Power Co.	Sherburne #1	1440	720	5/76	0.82	New	Limestone	50	32.0	0.27
Northern States Power Co.	" #2		720	5/77	0.82	New	Limestone	50	32.0	0.27
16. Pennsylvania Power Co.	Bruce Mansfield #1	1670	835	5/76	2.98	New	Thiosorbic Lime	92	149.53	2.15
Pennsylvania Power Co.	" " #2		835	7/77	2.98	New	Thiosorbic Lime	92	149.53	2.11
17. Philadelphia Electric	Eddystone #1	635	325	10/75	2.82	Retrofit	Magnesium Oxide	80	90.0	4.2
18. Public Serv. of Colorado	Valmont #5	247	42	10/74	0.83	Retrofit	Limestone	85	87.0	-
19. So. Carolina Pub. Serv. Auth.	Winyah #2	595	315	5/77	2.281	New	Limestone	69	22.38	0.333
20. Tennessee Valley Auth.	Widows Creek #8	1826	550	5/77	2.97	Retrofit	Limestone	90	98.0	0.61
21. Texas Utilities	Martin Lake #1	793	793	4/77	0.9	New	Limestone	70	-	-
22. Kansas Power and Lt. Co.	Lawrence #4	613	113	1/77	0.55	Retrofit	Limestone	85	82.0	1.65
Kansas Power and Lt. Co.	" #5		403	11/71	0.55	New	Limestone	65	17.7	0.73
23. Montana Power	Colstrip #1	660	358	11/75	0.72	New	Lime/flyash	73	41.42	0.23
Montana Power	" #2		358	7/76	0.72	New	Lime/flyash	73	41.42	0.23
		16916	10717							

1/ The Federal Power Commission's Form 67, Part IV "Steam-Electric Plant Air Quality Control Data: Plans and Costs for Meeting Air Pollution Standards"

2/ The serial number in this table corresponds to the numbers in column (11) of table in part V of this report which is a description of steam-plants in 1977 meeting, or not meeting 1977 sulfur regulations.

Experimental units, pilot plant systems, and wet particulate scrubbing systems such as those operated by the Tennessee Valley Authority, Commonwealth Edison and Detroit Edison are not included in the table.

The line numbers on table 26 correspond to the numbers in column (11) of the table in Part V identifying conforming and non-conforming coal deliveries to steam-plants in 1977.

The following information supplements Table 26 by briefly describing each FGD system in actual operation during 1976, or projected data for those systems scheduled for service during 1977. The source of the information is Part IV of Form 67.

1. Arizona Public Service Company - Cholla #1

This limestone system has been operational since December 1973. It consist of two scrubber trains each of which treats 50 percent of the flue gas from this unit.

2. Springfield Utilities - Southwest #1

This limestone system was expected to be placed in service during April 1977. The system will be designed to remove about 90 percent of the SO_2 from the flue gas.

3. Columbus and Southern Ohio Electric Company - Conesville #5

Modules A and B began operation in January 1977. Because of fire damage, however, Module A was out of service until November 21, 1977. Module B operated throughout 1977 and reached removal efficiences of 90 percent.

4. Duquesne Light - Elrama

The system has four single stage scrubber trains and a back-up train. The flue gases from all four boilers pass through a common header connecting the scrubber trains. The designed SO_2 removal efficiency of the system is 80 percent.

5. Duquesne Light - Phillips

This lime-slurry system consist of six scrubber trains which treat the flue gases from all six boilers. Like the Elrama system the design SO_2 removal efficiency is 80 percent.

6. Indianapolis Power & Light Company- Petersburg #3

It was anticipated that this system would begin operation in October 1977. It will have four scrubber modules and a designed SO_2 removal efficiency of 86 percent.

7. Kansas City Power and Light - Hawthorn #3 and #4

Both systems were converted from a limestone injection to a wet-lime scrubber system. The scrubber on Unit 3 was to begin commercial operations on February 7, 1977, while the scrubber on Unit 4 was to start-up on January 1, 1977.

8. Kansas City Power and Light Company - La Cygne #1

This limestone scrubber treats 100 percent of the flue gas from the 848 MW boiler. The system consist of seven modules, each containing a Venturi scrubber and an absorber stage for particulate and SO_2 removal. The designed SO_2 removal efficiency of the system is 80 percent.

9. Kentucky Utilities - Green River #1, #2 and #3

This lime scrubber began operating in September 1975, however, because of equipment problems it has had a low-availability factor.

10. Louisville Gas and Electric - Cane Run #4

This system commenced operations in August 1976, however, because a number of major system modifications were required, it was not until August 1977 that the system was tested.

11. Louisville Gas and Electric - Paddy's Run #6

The system consist of two scrubber trains and utilizes a slurry of carbide lime as an absorbent. It's designed SO_2 removal efficiency is 85 percent.

12. Minnkota Power Cooperative - M. R. Young #2

This system was expected to become operational during September 1977. It is designed to use lime/alkaline flyash as an SO_2 absorbent.

13. Nevada Power Company - Reid Gardner #1, #2, and #3

The three scrubbers at this plant operate independently of one another and have designed SO_2 removal efficiencies of 85 percent.

14. Northern Indiana Public Service Company - Mitchell #11

This system was to begin operating in September 1977. The scrubber will employ the Wellman-Lord recovery process to reduce SO_2 emissions by 90 percent. Northern Indiana estimates that revenues from the sale of elemental sulfur will reach $362,000 a year.

15. Northern States Power Company - Sherburne #1 and #2

Commercial operation of this limestone scrubber on Unit 1 began in May 1976. The scrubbing unit for this system has 12 modules, and each module removes both particulates and sulfur dioxide. The same type of system is expected to begin operating on Unit 2 in April 1977.

16. Pennsylvania Power Company - Bruch Mansfield #1 and #2

Full load commercial operation of the scrubber on Unit 1 began in June 1976. Since that time the system has experienced many operational problems, requiring a number of design changes. Full commercial operation of the Unit 2 scrubber was scheduled to commence in October 1977. The designed SO_2 removal efficiencies for both systems is 92 percent.

17. Philadelphia Electric Company - Eddystone #1

The FGD system on this unit has been operational since October 1975. The scrubber uses a magnesium oxide slurry to remove 80 percent of the sulfur dioxide from the flue gas.

18. Public Service of Colorado - Valmont #5

This limestone scrubber is a Public Service of Colorado in-house engineering research and development project. The system is a modified wet particulate scrubber, designed to remove 85 percent of the SO_2.

19. South Carolina Public Service Authority - Winyah #2

This limestone scrubber was scheduled to go into service during May 1977. The system has a designed SO_2 removal efficiency of 69 percent, while treating one-half of the unit's flue gas.

20. Tennessee Valley Authority - Widows Creek #8

This limestone system was scheduled for service during May 1977. It will consist of four scrubber trains, each designed to handle 25 percent of the flue gas from this unit.

21. Texas Utilities - Martin Lake #1

This limestone scrubber was expected to be in service by August 1977. The system will treat 75 percent of the flue gas from this unit, and have an average SO_2 removal efficiency of 70 percent.

22. Kansas Power and Light Company - Lawrence #4 and #5

The FGD system on Unit 4 began operating in January 1977. Both systems are limestone throw-away processes with SO_2 removal efficiencies of 75 and 65 percent, respectively.

23. Montana Power Company - Colstrip #1 and #2

The FGD systems on these two units use lime/alkaline flyash as an SO_2 absorbent. Each system consist of three scrubber trains and has an SO_2 removal efficiency of 85 percent.

Part II, Cost and Quality Data
Annual Tables

EXPLANATIONS TO TABLES

1. The price as reported on Form 423 is in cents per million Btu. The monthly averages for the three fossil fuels, by state and region, appear in Tables 2, 3, 6, 7, 10, 15, and 17. However, also included are average prices in dollars per ton of coal in Tables 2 and 3; dollars per barrel of oil in Tables 6, 7, and 15; and dollars per Mcf of gas in Table 10 and 17. These prices were computed for each state and region as follows:

   Coal: (Average $ per ton) = Average Btu per lb. x Average price (¢ per million Btu) x 2000 (lbs. per ton) x 10^{-8}

   Oil: (Average $ per barrel) = Average Btu per gal. x Average price (¢ per million Btu) x 42 (gal. per barrel) x 10^{-8}

   Gas: (Average $ per Mcf) = Average Btu per cu. ft. x Average price (¢ per million Btu) x 10^{-5}

2. Therefore, the average Btu of a fuel can be calculated as follows:

   Coal: Average Btu per lb. = $\frac{\text{Average price (\$ per ton)} \times 10^8}{\text{Average price (¢ per million Btu)} \times 2000}$

   Oil: Average Btu per gal. = $\frac{\text{Average price (\$ per bbl.)} \times 10^8}{\text{Average price (¢ per million Btu)} \times 42}$

   Gas: Average Btu per cu. ft. = $\frac{\text{Average price (\$ per Mcf)} \times 10^5}{\text{Average price (¢ per million Btu)}}$

3. Variations in the average price per million Btu in relation to the average price in dollars per ton of coal and dollars per Mcf of gas occur because of the wide ranges in average Btu content of some of the fuel types. For instance, the heat content of bituminous coal can be above 13000 Btu's per pound while lignite rarely contains more then 7500 Btu's per pound. Also, the heet content of refinery gas can be upwards of 1200 Btu's per cubic foot while blast furnace gas contains approximately 90 Btu's per cubic foot.

4. The total gas reported on Tables 11 & 19 do not include off peak gas. Off peak gas accounts for less than one half of one percent of the total gas deliveries.

5. Pacific Gas and Electric Company's Avon, Martinez, and Oleum plants have arrangements with adjacent refineries in which steam and/or electricity is exchanged for fuel (natural gas or oil). The cost accounting developed by PG & E does not reflect the true cost of the natural gas or oil used at these plants. To get more representative cost of fuels, a weighted average of the costs of natural gas and oil, as reported by all other PG & E plants for the month, has been assigned to the fuels involved in the exchanged arrangement at the three plants.

TABLE 1

1977 COAL DELIVERIES TO STEAM-ELECTRIC PLANTS

GEOGRAPHIC REGION AND STATE	LINE	NUMBER OF REPORTING: COMPANIES	NUMBER OF REPORTING: PLANTS	QUANTITY AND TYPE OF COAL RECEIVED IN THOUSANDS OF TONS: ANTHRACITE	BITUMINOUS	SUB-BITUMINOUS	LIGNITE	TOTAL	LINE
NEW ENGLAND									
CONNECTICUT	2	0	0	0.0	0.0	0.0	0.0	0.0	2
MAINE	3	0	0	0.0	0.0	0.0	0.0	0.0	3
MASSACHUSETTS	4	0	0	0.0	0.0	0.0	0.0	0.0	4
NEW HAMPSHIRE	5	1	1	0.0	960.1	0.0	0.0	960.1	5
RHODE ISLAND	6	0	0	0.0	0.0	0.0	0.0	0.0	6
VERMONT	7	1	1	0.0	19.9	0.0	0.0	19.9	7
..... TOTAL	9	2	2	0.0	980.0	0.0	0.0	980.0	9
MIDDLE ATLANTIC									
NEW JERSEY	12	3	4	0.0	2,697.3	0.0	0.0	2,697.3	12
NEW YORK	13	4	10	33.0	6,429.2	0.0	0.0	6,462.2	13
PENNSYLVANIA	14	8	27	1,148.5	36,829.3	0.0	0.0	37,977.8	14
..... TOTAL	16	15	41	1,181.5	45,955.8	0.0	0.0	47,137.3	16
EAST NORTH CENTRAL									
ILLINOIS	19	10	28	0.0	22,177.2	9,666.3	0.0	31,843.6	19
INDIANA	20	13	26	0.0	31,260.0	1,873.5	0.0	33,133.5	20
MICHIGAN	21	10	22	0.0	19,115.4	2,204.0	0.0	21,319.4	21
OHIO	22	16	32	0.0	50,237.1	2,818.2	0.0	53,055.3	22
WISCONSIN	23	9	18	0.0	8,253.2	2,464.3	0.0	10,717.5	23
..... TOTAL	25	58	126	0.0	131,043.0	19,026.3	0.0	150,069.3	25
WEST NORTH CENTRAL									
IOWA	28	12	22	0.0	6,146.9	1,528.2	0.0	7,675.1	28
KANSAS	29	4	7	0.0	6,160.4	0.0	0.0	6,160.4	29
MINNESOTA	30	10	17	0.0	1,270.0	9,878.4	768.3	11,916.6	30
MISSOURI	31	11	18	0.0	21,353.9	0.0	0.0	21,353.9	31
NEBRASKA	32	3	4	0.0	2,086.1	228.9	0.0	2,315.0	32
NORTH DAKOTA	33	4	5	0.0	0.0	0.0	6,507.9	6,507.9	33
SOUTH DAKOTA	34	3	4	0.0	6.0	223.2	2,237.2	2,466.4	34
..... TOTAL	36	47	77	0.0	37,023.4	11,858.6	9,513.4	58,395.4	36
SOUTH ATLANTIC									
DELAWARE	39	1	1	0.0	704.0	0.0	0.0	704.0	39
DISTRICT OF COLUMBIA	40	0	0	0.0	0.0	0.0	0.0	0.0	40
FLORIDA	41	3	6	0.0	7,014.8	0.0	0.0	7,014.8	41
GEORGIA	42	1	8	0.0	18,093.2	0.0	0.0	18,093.2	42
MARYLAND	43	3	5	0.0	5,156.2	0.0	0.0	5,156.2	43
NORTH CAROLINA	44	2	13	0.0	21,856.0	0.0	0.0	21,856.0	44
SOUTH CAROLINA	45	4	9	0.0	7,296.0	0.0	0.0	7,296.0	45
VIRGINIA	46	4	6	0.0	5,516.7	0.0	0.0	5,516.7	46
WEST VIRGINIA	47	5	12	0.0	28,508.3	0.0	0.0	28,508.3	47
..... TOTAL	49	23	60	0.0	94,145.2	0.0	0.0	94,145.2	49
EAST SOUTH CENTRAL									
ALABAMA	52	3	10	0.0	18,261.8	0.0	0.0	18,261.8	52
KENTUCKY	53	8	19	0.0	25,822.4	0.0	0.0	25,822.4	53
MISSISSIPPI	54	2	2	0.0	1,701.7	0.0	0.0	1,701.7	54
TENNESSEE	55	1	8	0.0	20,427.5	0.0	0.0	20,427.5	55
..... TOTAL	57	14	39	0.0	66,213.3	0.0	0.0	66,213.3	57
WEST SOUTH CENTRAL									
ARKANSAS	60	0	0	0.0	0.0	0.0	0.0	0.0	60
LOUISIANA	61	0	0	0.0	0.0	0.0	0.0	0.0	61
OKLAHOMA	62	1	1	0.0	0.0	1,919.6	0.0	1,919.6	62
TEXAS	63	4	6	0.0	0.0	4,939.7	14,153.0	19,092.7	63
..... TOTAL	65	5	7	0.0	0.0	6,859.3	14,153.0	21,012.3	65
MOUNTAIN									
ARIZONA	68	2	2	0.0	695.3	7,459.8	0.0	8,155.1	68
COLORADO	69	4	9	0.0	1,241.4	7,073.9	0.0	8,315.3	69
IDAHO	70	0	0	0.0	0.0	0.0	0.0	0.0	70
MONTANA	71	2	3	0.0	0.0	2,911.0	312.4	3,223.4	71
NEVADA	72	2	2	0.0	828.4	4,568.0	0.0	5,396.4	72
NEW MEXICO	73	2	2	0.0	0.0	9,121.6	0.0	9,121.6	73
UTAH	74	1	4	0.0	1,834.0	585.0	0.0	2,419.0	74
WYOMING	75	3	5	0.0	0.0	11,281.2	0.0	11,281.2	75
..... TOTAL	77	16	27	0.0	4,599.1	43,000.5	312.4	47,912.0	77
PACIFIC									
CALIFORNIA	80	0	0	0.0	0.0	0.0	0.0	0.0	80
OREGON	81	0	0	0.0	0.0	0.0	0.0	0.0	81
WASHINGTON	82	1	1	0.0	0.0	4,550.0	0.0	4,550.0	82
..... TOTAL	84	1	1	0.0	0.0	4,550.0	0.0	4,550.0	84
UNITED STATES TOTAL	86	181	380	1,181.5	379,959.8	85,294.7	23,978.8	490,414.8	86

TABLE 2

AVERAGE DELIVERED PRICES OF COAL AT STEAM-ELECTRIC PLANTS, 1977

GEOGRAPHIC REGION AND STATE	LINE	PURCHASE PRICE BY TYPE OF PURCHASE						PURCHASE PRICE BY TYPE OF MINING METHOD						LINE
		CONTRACT PURCHASES	AVG. CONTRACT PRICE		SPOT PURCHASES	AVG. SPOT PRICE		STRIP AND AUGER			UNDERGROUND			
								QUANTITY	AVG. PRICE		QUANTITY	AVG. PRICE		
		1000 TONS	¢ PER 10^6 BTU	$ PER TON	1000 TONS	¢ PER 10^6 BTU	$ PER TON	1000 TONS	¢ PER 10^6 BTU	$ PER TON	1000 TONS	¢ PER 10^6 BTU	$ PER TON	
NEW ENGLAND														
CONNECTICUT	2	C.C	C.C	C.CC	C.C	C.C	C.CC	C.C	C.C	C.CC	C.C	C.C	C.CC	2
MAINE	3	C.C	C.C	C.CC	C.C	C.C	C.CC	C.C	C.C	C.CC	C.C	C.C	C.CC	3
MASSACHUSETTS	4	C.C	C.C	C.CC	C.C	C.C	C.CC	C.C	C.C	C.CC	C.C	C.C	C.CC	4
NEW HAMPSHIRE	5	927.7	13C.1	34.77	32.4	128.8	34.71	C.C	C.C	C.CC	960.1	130.1	34.77	5
RHODE ISLAND	6	C.C	C.C	C.CC	C.C	C.C	C.CC	C.C	C.C	C.CC	C.C	C.C	C.CC	6
VERMONT	7	C.C	C.C	C.CC	19.9	137.7	35.39	C.C	C.C	C.CC	19.9	137.7	35.39	7
..... TOTAL	9	927.7	130.1	34.77	52.3	132.1	34.97	C.C	C.C	C.CC	98C.C	130.2	34.78	9
MIDDLE ATLANTIC														
NEW JERSEY	12	2,561.4	141.C	36.61	135.8	156.8	41.06	2,093.8	139.6	36.11	6C3.5	149.6	39.35	12
NEW YORK	13	3,645.4	12C.3	29.C4	2,816.8	113.3	27.63	4,758.6	114.6	27.21	1,703.6	124.1	31.82	13
PENNSYLVANIA	14	27,11C.3	1C4.1	25.C4	1C,867.5	92.5	21.9C	19,036.1	9C.7	21.65	18,941.7	111.0	26.65	14
..... TOTAL	16	33,317.2	1C8.9	26.37	13,82C.1	97.6	23.25	25,888.5	99.3	23.84	21,248.8	113.3	27.42	16
EAST NORTH CENTRAL														
ILLINOIS	19	26,29C.2	59.6	20.23	5,553.4	114.3	25.14	2C,035.8	1C6.2	21.6C	11,8C7.8	96.2	2C.21	19
INDIANA	2C	27,623.3	79.4	16.95	5,51C.2	88.C	19.44	29,439.3	78.7	16.88	3,694.2	98.5	21.18	20
MICHIGAN	21	18,283.2	1C7.5	25.29	3,C36.2	122.7	29.17	14,087.1	114.2	26.23	7,232.3	101.4	25.08	21
OHIO	22	36,29C.6	1C3.1	22.26	16,764.7	96.6	21.49	35,870.6	97.C	20.69	17,184.7	1C9.0	24.79	22
WISCONSIN	23	9,863.C	95.3	2C.C4	854.5	12C.2	26.53	7,875.9	95.9	19.71	2,841.6	1C1.C	22.91	23
..... TOTAL	25	118,35C.3	97.C	2C.85	31,718.9	1C1.5	22.64	1C7,308.7	95.9	2C.47	42,76C.6	1C2.9	23.14	25
WEST NORTH CENTRAL														
IOWA	28	7,166.6	1C1.C	2C.15	5C8.6	122.C	25.23	6,414.4	98.2	19.58	1,260.7	123.7	25.C8	28
KANSAS	29	5,49C.3	73.C	13.48	67C.C	87.6	2C.73	6,16C.4	74.9	14.27	C.C	C.C	C.CC	29
MINNESOTA	3C	11,813.6	73.6	12.93	1C3.C	1C5.8	2C.39	11,497.6	71.8	12.47	419.0	117.4	27.3C	3C
MISSOURI	31	19,175.9	7C.5	15.23	2,174.C	114.6	26.74	17,245.4	71.3	15.4C	4,1C4.6	91.7	2C.62	31
NEBRASKA	32	1,197.3	94.4	19.39	1,117.7	115.7	25.61	2,124.3	1C2.7	21.63	19C.8	128.2	3C.9C	32
NORTH DAKOTA	33	6,5C7.9	38.6	5.12	C.C	C.C	C.CC	6,507.9	38.6	5.12	C.C	C.C	C.CC	33
SOUTH DAKOTA	34	2,446.4	54.6	6.87	18.C	122.5	23.CC	2,466.4	55.3	6.99	C.C	C.C	C.CC	34
..... TOTAL	36	53,804.C	73.1	13.69	4,591.4	111.4	25.26	52,42C.3	73.4	13.72	5,975.1	1C1.C	22.36	36
SOUTH ATLANTIC														
DELAWARE	39	315.C	1C4.6	25.4C	389.C	113.C	27.22	704.C	1C9.2	26.4C	C.C	C.C	C.CC	39
DISTRICT OF COLUMBIA	4C	C.C	C.C	C.CC	C.C	C.C	C.CC	C.C	C.C	C.CC	C.C	C.C	C.CC	40
FLORIDA	41	6,655.C	126.9	29.32	359.8	13C.7	3C.45	3,749.5	133.1	3C.46	3,265.3	12C.2	28.14	41
GEORGIA	42	11,18C.2	1C2.3	24.17	6,913.C	121.8	29.C2	13,401.5	111.1	26.55	4,691.7	1C5.8	24.51	42
MARYLAND	43	3,856.1	122.6	29.96	1,3CC.1	111.3	27.09	4,576.C	113.3	27.45	58C.2	168.1	43.35	43
NORTH CAROLINA	44	14,4CC.9	121.C	28.95	7,455.1	13C.3	3C.93	9,338.6	126.5	3C.12	12,516.9	122.4	29.26	44
SOUTH CAROLINA	45	3,722.8	117.5	28.21	3,573.3	131.2	31.12	4,981.7	126.5	29.73	2,314.3	119.4	29.43	45
VIRGINIA	46	3,762.8	13C.9	31.6C	1,753.9	146.5	36.39	2,588.4	135.6	33.C9	2,928.3	136.3	33.16	46
WEST VIRGINIA	47	22,241.3	1C3.9	24.32	6,266.9	1CC.5	23.C4	12,896.3	11C.8	25.39	15,612.0	97.0	22.93	47
..... TOTAL	49	66,134.1	113.1	26.77	28,C11.1	121.8	28.82	52,236.1	118.2	27.89	41,908.7	112.5	26.76	49
EAST SOUTH CENTRAL														
ALABAMA	52	12,376.8	113.4	26.C6	5,885.C	112.8	26.57	9,999.2	112.7	26.34	8,262.5	113.8	26.08	52
KENTUCKY	53	18,911.6	78.3	17.01	6,91C.7	1C2.3	23.32	2C,468.7	83.9	18.44	5,353.7	89.C	19.7C	53
MISSISSIPPI	54	1,C66.2	96.2	21.84	635.5	129.8	29.96	1,524.7	105.9	24.21	177.C	134.C	3C.58	54
TENNESSEE	55	16,753.5	1C3.1	22.84	1,674.C	1C2.8	23.31	6,329.3	1C1.5	23.02	14,098.2	1C3.8	22.81	55
..... TOTAL	57	51,108.1	96.6	21.44	15,1C5.2	1C7.7	24.86	38,322.C	95.5	21.49	27,891.4	104.2	23.23	57
WEST SOUTH CENTRAL														
ARKANSAS	6C	C.C	C.C	C.CC	C.C	C.C	C.CC	C.C	C.C	C.CC	C.C	C.C	C.CC	6C
LOUISIANA	61	C.C	C.C	C.CC	C.C	C.C	C.CC	C.C	C.C	C.CC	C.C	C.C	C.CC	61
OKLAHOMA	62	1,919.6	1C7.6	18.C7	C.C	C.C	C.CC	1,919.6	1C7.6	18.07	C.C	C.C	C.CC	62
TEXAS	63	19,092.7	58.2	8.19	C.C	C.C	C.CC	19,C92.7	58.2	8.19	C.C	C.C	C.CC	63
..... TOTAL	65	21,C12.3	63.5	9.09	C.C	C.C	C.CC	21,012.3	63.5	9.09	C.C	C.C	C.CC	65
MOUNTAIN														
ARIZONA	68	6,566.3	31.4	6.73	1,588.8	1C7.3	23.65	7,574.9	41.1	8.82	58C.2	113.3	25.71	68
COLORADO	69	8,234.9	6C.4	12.19	8C.3	83.7	19.31	8,193.6	6C.5	12.2C	121.7	7C.1	16.CC	69
IDAHO	7C	C.C	C.C	C.CC	C.C	C.C	C.CC	C.C	C.C	C.CC	C.C	C.C	C.CC	70
MONTANA	71	3,223.4	28.3	4.81	C.C	C.C	C.CC	3,223.4	28.3	4.81	C.C	C.C	C.CC	71
NEVADA	72	5,396.4	54.6	12.09	C.C	C.C	C.CC	4,568.C	43.7	9.52	828.4	1C8.8	26.23	72
NEW MEXICO	73	9,121.6	29.4	5.27	C.C	C.C	C.CC	9,12C.6	29.4	5.27	1.C	25.5	4.95	73
UTAH	74	2,419.C	73.8	17.18	C.C	C.C	C.CC	C.C	C.C	C.CC	2,419.C	73.8	17.18	74
WYOMING	75	11,C22.2	35.C	6.18	259.C	19.4	2.94	8,551.2	27.3	4.68	2,73C.C	55.1	1C.6C	75
..... TOTAL	77	45,983.8	42.8	8.33	1,928.1	97.8	2C.69	41,231.7	39.6	7.61	6,68C.3	75.4	16.33	77
PACIFIC														
CALIFORNIA	8C	C.C	C.C	C.CC	C.C	C.C	C.CC	C.C	C.C	C.CC	C.C	C.C	C.CC	8C
OREGON	81	C.C	C.C	C.CC	C.C	C.C	C.CC	C.C	C.C	C.CC	C.C	C.C	C.CC	81
WASHINGTON	82	4,55C.C	72.3	11.72	C.C	C.C	C.CC	4,55C.C	72.3	11.72	C.C	C.C	C.CC	82
..... TOTAL	84	4,55C.C	72.3	11.72	C.C	C.C	C.CC	4,550.C	72.3	11.72	C.C	C.C	C.CC	84
UNITED STATES TOTAL	86	395,187.4	91.1	19.25	95,227.3	1C8.4	24.99	342,969.4	89.1	18.58	147,444.9	1C6.5	24.54	86

TABLE 3

COAL DELIVERIES AND DELIVERED PRICES BY

GEOGRAPHIC REGION AND STATE	LINE	0.5% SULFUR OR LESS			0.51% TO 1.0% SULFUR			1.01% TO 1.5% SULFUR			LINE
		QUANTITY 1000 TONS	AVG. PRICE ¢ PER 10⁶ BTU	AVG. PRICE $ PER TON	QUANTITY 1000 TONS	AVG. PRICE ¢ PER 10⁶ BTU	AVG. PRICE $ PER TON	QUANTITY 1000 TONS	AVG. PRICE ¢ PER 10⁶ BTU	AVG. PRICE $ PER TON	
NEW ENGLAND											
CONNECTICUT	2	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	2
MAINE	3	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	3
MASSACHUSETTS	4	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	4
NEW HAMPSHIRE	5	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	5
RHODE ISLAND	6	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	6
VERMONT	7	0.0	0.0	0.00	0.0	0.0	0.00	7.1	136.4	35.58	7
..... TOTAL	9	0.0	0.0	0.00	0.0	0.0	0.00	7.1	136.4	35.58	9
MIDDLE ATLANTIC											
NEW JERSEY	12	4.0	153.2	36.72	404.4	156.5	41.13	1,415.2	149.6	39.46	12
NEW YORK	13	0.0	0.0	0.00	473.6	109.5	24.62	1,698.9	118.5	28.53	13
PENNSYLVANIA	14	74.6	55.1	9.04	1,340.6	71.7	13.30	4,059.8	107.7	26.31	14
..... TOTAL	16	78.6	62.2	10.45	2,218.6	99.9	20.79	7,173.8	119.0	29.43	16
EAST NORTH CENTRAL											
ILLINOIS	19	6,259.7	116.1	22.34	5,654.7	139.3	28.41	420.5	112.8	25.73	19
INDIANA	20	2,037.4	123.8	24.26	2,480.2	122.8	25.38	2,956.1	85.9	18.77	20
MICHIGAN	21	2,423.0	95.7	18.46	4,556.5	125.6	30.32	485.9	130.3	31.63	21
OHIO	22	3,818.0	119.1	20.31	7,370.3	120.3	26.91	1,711.7	116.5	26.07	22
WISCONSIN	23	171.5	83.6	15.96	3,040.6	77.3	14.01	591.7	104.9	22.55	23
..... TOTAL	25	14,709.6	114.1	21.37	23,102.3	121.4	26.09	6,165.9	101.9	22.65	25
WEST NORTH CENTRAL											
IOWA	28	2,309.9	122.4	22.76	2,074.7	86.3	17.25	170.3	83.6	16.95	28
KANSAS	29	2,543.5	72.7	12.51	873.2	116.6	23.54	11.1	95.4	24.93	29
MINNESOTA	30	19.0	89.6	13.23	9,864.6	69.1	11.80	828.4	75.5	12.65	30
MISSOURI	31	218.3	61.3	12.21	2,814.1	100.7	21.74	1,239.0	112.1	26.36	31
NEBRASKA	32	601.2	117.5	25.60	1,692.9	100.4	21.18	9.6	115.5	29.17	32
NORTH DAKOTA	33	661.7	42.6	5.62	5,846.2	38.1	5.07	0.0	0.0	0.00	33
SOUTH DAKOTA	34	211.2	52.9	8.52	2,249.2	55.3	6.79	0.0	0.0	0.00	34
..... TOTAL	36	6,564.8	92.8	16.48	25,414.9	73.3	12.38	2,258.3	99.1	20.63	36
SOUTH ATLANTIC											
DELAWARE	39	0.0	0.0	0.00	0.0	0.0	0.00	15.0	114.9	27.01	39
DISTRICT OF COLUMBIA	40	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	40
FLORIDA	41	0.0	0.0	0.00	1,045.2	129.6	30.58	798.0	150.8	37.03	41
GEORGIA	42	2.1	136.2	33.40	3,373.8	124.6	30.31	6,698.0	105.0	24.86	42
MARYLAND	43	2.0	108.5	26.69	917.6	158.4	40.08	1,364.2	108.8	25.98	43
NORTH CAROLINA	44	128.9	134.5	32.88	14,004.7	120.7	28.95	5,800.7	132.6	31.28	44
SOUTH CAROLINA	45	75.1	121.2	27.81	1,672.0	127.6	30.17	3,749.4	121.8	29.35	45
VIRGINIA	46	1.0	120.5	28.55	3,639.2	136.5	33.23	1,622.5	135.2	33.03	46
WEST VIRGINIA	47	37.6	203.3	38.71	10,540.8	121.2	27.98	3,783.8	116.0	26.91	47
..... TOTAL	49	246.7	138.9	32.16	35,193.3	124.5	29.63	23,831.6	120.0	28.48	49
EAST SOUTH CENTRAL											
ALABAMA	52	112.1	145.0	29.49	5,290.4	118.5	27.23	3,240.9	111.8	26.23	52
KENTUCKY	53	53.9	134.4	24.15	3,878.0	109.2	25.31	1,914.3	102.7	23.65	53
MISSISSIPPI	54	0.0	0.0	0.00	203.8	135.0	31.31	150.2	123.9	29.26	54
TENNESSEE	55	41.3	122.6	19.98	1,880.7	98.7	21.99	612.6	114.3	26.88	55
..... TOTAL	57	207.2	138.5	26.21	11,252.9	112.4	25.77	5,918.0	109.5	25.54	57
WEST SOUTH CENTRAL											
ARKANSAS	60	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	60
LOUISIANA	61	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	61
OKLAHOMA	62	1,919.6	107.6	18.07	0.0	0.0	0.00	0.0	0.0	0.00	62
TEXAS	63	4,939.7	105.0	17.42	14,153.0	37.6	4.97	0.0	0.0	0.00	63
..... TOTAL	65	6,859.3	105.7	17.60	14,153.0	37.6	4.97	0.0	0.0	0.00	65
MOUNTAIN											
ARIZONA	68	7,424.6	45.9	9.90	730.5	52.3	11.33	0.0	0.0	0.00	68
COLORADO	69	6,574.7	58.0	11.54	1,678.4	69.6	14.89	62.2	85.8	17.58	69
IDAHO	70	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	70
MONTANA	71	234.1	63.2	8.26	2,833.3	26.1	4.52	156.0	28.1	4.83	71
NEVADA	72	4,568.0	43.7	9.52	828.4	108.8	26.23	0.0	0.0	0.00	72
NEW MEXICO	73	0.0	0.0	0.00	9,121.6	29.4	5.27	0.0	0.0	0.00	73
UTAH	74	632.0	94.4	20.74	1,712.0	67.3	15.99	0.0	0.0	0.00	74
WYOMING	75	4,522.2	27.4	4.34	6,759.0	38.8	7.30	0.0	0.0	0.00	75
..... TOTAL	77	23,955.6	47.5	9.50	23,663.2	42.6	8.14	218.2	46.7	8.46	77
PACIFIC											
CALIFORNIA	80	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	80
OREGON	81	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	81
WASHINGTON	82	800.0	70.7	11.45	3,350.0	72.9	11.81	400.0	70.9	11.49	82
..... TOTAL	84	800.0	70.7	11.45	3,350.0	72.9	11.81	400.0	70.9	11.49	84
UNITED STATES TOTAL	86	53,421.7	78.7	14.86	138,348.2	94.1	18.78	45,972.9	114.7	26.84	86

SULFUR CONTENT AT STEAM-ELECTRIC PLANTS, 1977

LINE	1.51% TO 2.0% SULFUR			2.01% TO 3.0% SULFUR			3.01% OR MORE SULFUR			AVG. PRICE FOR ALL PURCHASES		LINE	GEOGRAPHIC REGION AND STATE
	QUANTITY 1000 TONS	AVG. PRICE ¢ PER 10^6 BTU	AVG. PRICE $ PER TON	QUANTITY 1000 TONS	AVG. PRICE ¢ PER 10^6 BTU	AVG. PRICE $ PER TON	QUANTITY 1000 TONS	AVG. PRICE ¢ PER 10^6 BTU	AVG. PRICE $ PER TON	¢ PER 10^6 BTU	$ PER TON		
													NEW ENGLAND
2	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.00	2	CONNECTICUT
3	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.00	3	MAINE
4	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.00	4	MASSACHUSETTS
5	65.9	134.0	35.32	894.2	129.8	34.73	0.0	0.0	0.00	130.1	34.77	5	NEW HAMPSHIRE
6	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.00	6	RHODE ISLAND
7	12.9	138.4	35.28	0.0	0.0	0.00	0.0	0.0	0.00	137.7	35.39	7	VERMONT
9	78.8	134.7	35.32	894.2	129.8	34.73	0.0	0.0	0.00	130.2	34.78	9	..... TOTAL
													MIDDLE ATLANTIC
12	89.3	140.4	36.12	282.3	121.0	30.37	502.1	118.4	29.76	141.8	36.84	12	NEW JERSEY
13	2,236.2	121.0	29.21	1,987.6	114.1	28.40	65.9	111.4	27.56	117.3	28.43	13	NEW YORK
14	9,362.6	96.5	23.33	20,678.8	102.3	24.70	2,461.5	107.1	25.31	100.9	24.14	14	PENNSYLVANIA
16	11,688.1	101.5	24.56	22,948.7	103.6	25.09	3,029.5	109.1	26.10	105.6	25.46	16	..... TOTAL
													EAST NORTH CENTRAL
19	542.6	100.5	22.58	5,970.5	97.8	21.27	12,995.6	82.2	16.99	102.4	21.08	19	ILLINOIS
20	1,326.6	94.5	21.16	9,331.6	74.7	15.96	15,001.6	70.6	15.36	80.9	17.36	20	INDIANA
21	590.1	122.1	29.35	9,175.9	102.4	24.78	4,087.9	110.6	26.39	109.7	25.84	21	MICHIGAN
22	1,146.7	107.9	24.25	11,346.8	97.5	21.87	27,661.8	94.1	20.67	101.0	22.02	22	OHIO
23	1,350.3	89.9	20.28	1,897.2	112.9	25.00	3,666.2	104.9	23.70	97.4	20.56	23	WISCONSIN
25	4,956.3	100.5	22.76	37,722.0	94.2	21.18	63,413.1	88.1	19.20	98.0	21.23	25	..... TOTAL
													WEST NORTH CENTRAL
28	143.2	120.3	26.62	1,754.9	101.8	21.06	1,222.1	96.3	20.65	102.4	20.49	28	IOWA
29	40.2	97.9	25.11	96.7	94.8	24.28	2,595.7	61.2	12.29	74.9	14.27	29	KANSAS
30	119.0	134.0	32.71	205.6	130.7	32.51	880.1	90.5	19.53	73.9	12.99	30	MINNESOTA
31	19.0	88.5	19.90	3,586.0	56.9	12.89	13,477.6	71.7	15.37	75.3	16.40	31	MISSOURI
32	0.0	0.0	0.00	5.3	112.5	28.50	6.0	113.4	27.66	105.1	22.39	32	NEBRASKA
33	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	38.6	5.12	33	NORTH DAKOTA
34	0.0	0.0	0.00	0.0	0.0	0.00	6.0	125.1	27.10	55.3	6.99	34	SOUTH DAKOTA
36	321.3	120.7	28.29	5,648.6	73.7	16.35	18,187.4	72.9	15.50	76.7	14.60	36	..... TOTAL
													SOUTH ATLANTIC
39	476.0	107.2	26.04	213.0	113.4	27.18	0.0	0.0	0.00	109.2	26.40	39	DELAWARE
40	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.00	40	DISTRICT OF COLUMBIA
41	165.5	137.9	34.17	2,377.2	130.2	29.44	2,628.8	114.7	26.22	127.1	29.38	41	FLORIDA
42	2,424.8	113.0	27.13	5,408.2	104.2	24.22	186.3	120.4	27.99	109.8	26.02	42	GEORGIA
43	2,407.3	111.9	27.28	465.0	113.2	27.55	0.0	0.0	0.00	119.8	29.24	43	MARYLAND
44	1,693.4	123.8	29.45	203.9	120.1	28.57	24.5	117.1	26.72	124.1	29.63	44	NORTH CAROLINA
45	1,083.1	124.9	29.54	665.9	128.3	30.22	50.6	125.4	29.65	124.2	29.63	45	SOUTH CAROLINA
46	244.5	133.9	32.36	9.5	117.7	28.62	0.0	0.0	0.00	136.0	33.12	46	VIRGINIA
47	3,496.3	105.0	24.61	4,502.4	86.4	20.21	6,147.4	75.7	17.91	103.2	24.04	47	WEST VIRGINIA
49	11,991.0	113.6	27.13	13,845.0	104.6	24.32	9,037.6	88.1	20.62	115.7	27.38	49	..... TOTAL
													EAST SOUTH CENTRAL
52	3,210.3	112.2	26.54	1,785.0	104.0	24.72	4,623.2	111.7	25.34	113.2	26.22	52	ALABAMA
53	1,571.2	97.7	22.54	3,255.6	82.7	18.13	15,149.5	74.8	16.08	85.0	18.70	53	KENTUCKY
54	449.3	123.3	27.89	796.7	90.7	20.62	101.7	110.7	25.47	108.8	24.87	54	MISSISSIPPI
55	746.9	108.7	24.90	4,517.3	104.9	24.26	12,628.7	102.0	22.21	103.1	22.88	55	TENNESSEE
57	5,977.7	108.8	25.39	10,354.6	97.0	22.13	32,503.0	91.0	19.81	99.2	22.22	57	..... TOTAL
													WEST SOUTH CENTRAL
60	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.00	60	ARKANSAS
61	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.00	61	LOUISIANA
62	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	107.6	18.07	62	OKLAHOMA
63	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	58.2	8.19	63	TEXAS
65	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	63.5	9.09	65	..... TOTAL
													MOUNTAIN
68	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	46.5	10.03	68	ARIZONA
69	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	60.7	12.26	69	COLORADO
70	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.00	70	IDAHO
71	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	28.3	4.81	71	MONTANA
72	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	54.6	12.09	72	NEVADA
73	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	29.4	5.27	73	NEW MEXICO
74	0.0	0.0	0.00	0.0	0.0	0.00	75.0	62.1	14.43	73.8	17.18	74	UTAH
75	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	34.7	6.11	75	WYOMING
77	0.0	0.0	0.00	0.0	0.0	0.00	75.0	62.1	14.43	45.2	8.83	77	..... TOTAL
													PACIFIC
80	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.00	80	CALIFORNIA
81	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.00	81	OREGON
82	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	72.3	11.72	82	WASHINGTON
84	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	72.3	11.72	84	..... TOTAL
86	35,013.2	107.0	25.38	91,413.1	97.8	22.58	126,245.6	87.2	19.09	94.7	20.37	86	UNITED STATES TOTAL

TABLE 4

BASIC COAL STATISTICS DURING THE PAST

	LINE	MONTHLY SUMMARIES OF COAL PURCHASES						LINE
		JANUARY 77	FEBRUARY 77	MARCH 77	APRIL 77	MAY 77	JUNE 77	
NATIONAL DATA								
QUANTITY PURCHASED, 1000 TONS	1	31,281.3	34,941.7	44,459.1	41,582.4	44,193.0	44,432.6	1
TOTAL HEATING VAL,BILLION BTU	2	669,049.7	754,063.3	962,571.4	896,535.4	954,473.3	958,963.6	2
AVG. S CONTENT, % BY WEIGHT	3	2.0	2.0	2.0	2.0	2.0	2.0	3
AVG. PRICE /MILLION BTU	4	85.9	88.0	90.0	90.1	91.8	93.3	4
TOTAL EST. COAL BILL, $1000	5	574,549.8	663,663.9	866,126.6	807,645.7	876,457.5	895,035.2	5
REGIONAL DATA								
NEW ENGLAND								
QUANTITY PURCHASED, 1000 TONS	11	111.3	88.1	78.0	63.8	100.4	54.6	11
TOTAL HEATING VAL,BILLION BTU	12	2,968.6	2,364.6	2,088.4	1,711.6	2,707.6	1,479.8	12
AVG. S CONTENT, % BY WEIGHT	13	2.1	2.4	2.2	2.3	2.5	2.5	13
AVG. PRICE /MILLION BTU	14	127.6	126.8	127.5	127.9	128.1	130.1	14
TOTAL EST. COAL BILL, $1000	15	3,787.9	2,998.3	2,663.3	2,189.9	3,469.2	1,925.4	15
MIDDLE ATLANTIC								
QUANTITY PURCHASED, 1000 TONS	19	3,221.2	3,443.3	4,480.2	4,342.9	4,327.2	4,420.9	19
TOTAL HEATING VAL,BILLION BTU	20	77,535.1	83,090.7	108,327.6	104,863.1	104,962.1	106,853.3	20
AVG. S CONTENT, % BY WEIGHT	21	2.2	2.2	2.1	2.1	2.1	2.1	21
AVG. PRICE /MILLION BTU	22	105.9	101.2	100.8	102.5	103.1	107.4	22
TOTAL EST. COAL BILL, $1000	23	82,135.9	84,069.9	109,245.3	107,444.3	108,234.5	114,754.9	23
EAST NORTH CENTRAL								
QUANTITY PURCHASED, 1000 TONS	27	9,283.0	9,973.1	12,955.2	12,697.9	12,902.4	13,700.5	27
TOTAL HEATING VAL,BILLION BTU	28	201,447.7	216,635.7	281,832.1	276,333.3	280,984.5	298,777.5	28
AVG. S CONTENT, % BY WEIGHT	29	2.6	2.6	2.5	2.5	2.6	2.5	29
AVG. PRICE /MILLION BTU	30	90.7	91.5	94.1	93.9	94.3	95.5	30
TOTAL EST. COAL BILL, $1000	31	182,748.5	198,298.1	265,102.5	259,484.9	264,852.6	285,312.8	31
WEST NORTH CENTRAL								
QUANTITY PURCHASED, 1000 TONS	35	3,517.9	4,042.4	5,319.9	5,763.6	5,466.5	5,285.8	35
TOTAL HEATING VAL,BILLION BTU	36	64,958.8	75,881.6	101,985.1	109,872.7	105,320.4	101,836.0	36
AVG. S CONTENT, % BY WEIGHT	37	1.9	1.9	2.1	1.9	1.9	2.0	37
AVG. PRICE /MILLION BTU	38	66.5	68.4	71.5	72.5	75.5	77.0	38
TOTAL EST. COAL BILL, $1000	39	43,190.4	51,922.5	72,902.9	79,615.5	79,568.9	78,386.9	39
SOUTH ATLANTIC								
QUANTITY PURCHASED, 1000 TONS	43	5,460.9	6,869.0	8,732.0	7,229.5	8,533.9	8,606.5	43
TOTAL HEATING VAL,BILLION BTU	44	130,484.0	163,672.8	206,341.2	170,923.1	202,282.5	204,087.5	44
AVG. S CONTENT, % BY WEIGHT	45	1.7	1.7	1.6	1.7	1.6	1.6	45
AVG. PRICE /MILLION BTU	46	105.4	106.5	108.1	108.4	110.9	113.9	46
TOTAL EST. COAL BILL, $1000	47	137,533.7	174,243.1	223,147.9	185,256.0	224,352.1	232,459.8	47
EAST SOUTH CENTRAL								
QUANTITY PURCHASED, 1000 TONS	51	3,955.6	5,142.4	6,745.6	5,744.5	6,353.2	5,545.3	51
TOTAL HEATING VAL,BILLION BTU	52	88,289.1	115,167.7	150,423.1	128,802.5	142,650.0	123,986.0	52
AVG. S CONTENT, % BY WEIGHT	53	2.9	2.8	2.8	2.8	2.7	2.7	53
AVG. PRICE /MILLION BTU	54	91.2	94.1	93.6	96.5	95.8	95.0	54
TOTAL EST. COAL BILL, $1000	55	80,496.8	108,408.3	140,867.8	124,331.7	136,588.1	117,749.3	55
WEST SOUTH CENTRAL								
QUANTITY PURCHASED, 1000 TONS	59	1,288.5	1,219.0	1,352.2	1,306.0	2,133.2	2,140.1	59
TOTAL HEATING VAL,BILLION BTU	60	18,217.1	17,353.8	19,375.8	18,803.8	30,371.3	30,759.3	60
AVG. S CONTENT, % BY WEIGHT	61	0.5	0.5	0.5	0.5	0.6	0.6	61
AVG. PRICE /MILLION BTU	62	58.8	61.1	64.3	60.2	60.3	63.9	62
TOTAL EST. COAL BILL, $1000	63	10,718.9	10,601.8	12,461.7	11,317.9	18,319.0	19,662.6	63
MOUNTAIN								
QUANTITY PURCHASED, 1000 TONS	67	4,142.9	3,864.5	4,446.0	4,034.1	3,976.2	4,278.8	67
TOTAL HEATING VAL,BILLION BTU	68	80,289.3	75,036.3	86,528.1	78,745.4	78,714.9	84,704.1	68
AVG. S CONTENT, % BY WEIGHT	69	0.5	0.5	0.5	0.6	0.5	0.6	69
AVG. PRICE /MILLION BTU	70	37.6	38.9	41.1	42.4	46.3	47.4	70
TOTAL EST. COAL BILL, $1000	71	30,166.4	29,209.5	35,539.2	33,417.7	36,478.6	40,169.2	71
PACIFIC								
QUANTITY PURCHASED, 1000 TONS	75	300.0	300.0	350.0	400.0	400.0	400.0	75
TOTAL HEATING VAL,BILLION BTU	76	4,860.0	4,860.0	5,670.0	6,480.0	6,480.0	6,480.0	76
AVG. S CONTENT, % BY WEIGHT	77	0.6	0.6	0.5	0.4	1.0	0.6	77
AVG. PRICE /MILLION BTU	78	77.6	80.5	74.0	70.8	70.9	71.2	78
TOTAL EST. COAL BILL, $1000	79	3,771.4	3,912.3	4,195.8	4,587.8	4,594.3	4,613.8	79

TWELVE MONTHS FOR STEAM-ELECTRIC PLANTS, 1977

LINE	MONTHLY SUMMARIES OF COAL PURCHASES							LINE	
	JULY 77	AUGUST 77	SEPTEMBER 77	OCTOBER 77	NOVEMBER 77	DECEMBER 77	TOTAL		NATIONAL DATA
1	38,076.2	45,305.0	45,861.7	46,733.3	48,263.8	25,284.7	490,414.8	1	QUANTITY PURCHASED, 1000 TONS
2	816,134.0	967,401.2	988,222.6	1,012,065.7	1,044,099.4	525,732.1	10,549,311.6	2	TOTAL HEATING VAL,BILLION BTU
3	1.9	2.0	2.0	1.9	1.9	1.5	1.9	3	AVG. S CONTENT, % BY WEIGHT
4	96.2	94.3	98.0	100.5	101.7	106.8	94.7	4	AVG. PRICE /MILLION BTU
5	785,110.3	912,198.4	968,303.0	1,017,161.4	1,061,665.3	561,525.5	9,989,438.5	5	TOTAL EST. COAL BILL, $1000
									REGIONAL DATA
									NEW ENGLAND
11	38.3	91.2	65.9	88.0	97.9	102.5	980.0	11	QUANTITY PURCHASED, 1000 TONS
12	1,027.1	2,418.4	1,737.1	2,363.7	2,606.2	2,701.3	26,174.4	12	TOTAL HEATING VAL,BILLION BTU
13	2.3	2.2	2.0	2.4	2.4	2.3	2.3	13	AVG. S CONTENT, % BY WEIGHT
14	130.6	133.1	134.0	122.4	136.6	137.5	130.2	14	AVG. PRICE /MILLION BTU
15	1,341.0	3,220.1	2,327.7	2,893.1	3,559.5	3,714.9	34,090.5	15	TOTAL EST. COAL BILL, $1000
									MIDDLE ATLANTIC
19	3,425.0	4,301.5	4,479.7	4,459.4	4,683.3	1,552.8	47,137.3	19	QUANTITY PURCHASED, 1000 TONS
20	82,849.0	103,425.3	107,721.2	107,183.9	112,138.9	36,830.0	1,135,780.0	20	TOTAL HEATING VAL,BILLION BTU
21	2.0	2.0	2.0	2.0	2.0	1.9	2.1	21	AVG. S CONTENT, % BY WEIGHT
22	111.7	107.0	106.0	104.6	105.0	127.1	105.6	22	AVG. PRICE /MILLION BTU
23	92,510.1	110,650.5	114,169.2	112,133.7	117,746.1	46,817.1	1,199,911.9	23	TOTAL EST. COAL BILL, $1000
									EAST NORTH CENTRAL
27	11,818.0	14,388.0	14,655.6	15,304.8	15,575.8	6,814.9	150,069.3	27	QUANTITY PURCHASED, 1000 TONS
28	256,207.5	310,164.1	316,205.7	330,791.0	336,944.6	145,323.0	3,251,646.6	28	TOTAL HEATING VAL,BILLION BTU
29	2.5	2.6	2.5	2.5	2.5	1.9	2.5	29	AVG. S CONTENT, % BY WEIGHT
30	99.8	97.3	99.5	101.7	104.7	116.3	98.0	30	AVG. PRICE /MILLION BTU
31	255,594.4	301,856.0	314,721.1	336,372.1	352,627.0	169,071.5	3,186,041.4	31	TOTAL EST. COAL BILL, $1000
									WEST NORTH CENTRAL
35	4,477.6	5,416.7	5,186.2	5,006.8	5,373.5	3,538.5	58,395.4	35	QUANTITY PURCHASED, 1000 TONS
36	85,609.5	102,935.2	99,941.9	96,888.6	102,076.1	64,988.2	1,112,294.3	36	TOTAL HEATING VAL,BILLION BTU
37	2.0	2.0	1.9	2.0	1.8	1.3	1.9	37	AVG. S CONTENT, % BY WEIGHT
38	77.9	77.4	78.5	84.3	81.2	88.7	76.7	38	AVG. PRICE /MILLION BTU
39	66,655.7	79,695.0	78,432.1	81,716.9	82,905.5	57,672.3	852,664.8	39	TOTAL EST. COAL BILL, $1000
									SOUTH ATLANTIC
43	7,351.3	7,635.0	9,118.7	9,712.6	9,903.4	4,992.4	94,145.2	43	QUANTITY PURCHASED, 1000 TONS
44	174,447.3	180,492.3	215,257.2	229,208.6	233,474.1	117,888.9	2,228,559.4	44	TOTAL HEATING VAL,BILLION BTU
45	1.6	1.7	1.5	1.5	1.5	1.5	1.6	45	AVG. S CONTENT, % BY WEIGHT
46	119.2	115.9	121.1	122.0	122.8	133.0	115.7	46	AVG. PRICE /MILLION BTU
47	207,966.1	209,199.9	260,697.5	279,673.3	286,736.0	156,769.2	2,578,035.4	47	TOTAL EST. COAL BILL, $1000
									EAST SOUTH CENTRAL
51	4,851.2	6,294.2	5,942.6	6,130.3	6,464.5	3,044.0	66,213.3	51	QUANTITY PURCHASED, 1000 TONS
52	108,416.4	140,765.4	133,349.6	138,222.4	145,222.0	68,249.6	1,483,543.9	52	TOTAL HEATING VAL,BILLION BTU
53	2.6	2.7	2.6	2.6	2.6	2.4	2.7	53	AVG. S CONTENT, % BY WEIGHT
54	99.9	98.4	103.1	104.3	107.8	114.0	99.2	54	AVG. PRICE /MILLION BTU
55	108,330.7	138,544.3	137,529.7	144,118.5	156,545.8	77,822.8	1,471,334.3	55	TOTAL EST. COAL BILL, $1000
									WEST SOUTH CENTRAL
59	2,000.4	2,292.1	1,974.3	1,911.9	1,671.6	1,723.0	21,012.3	59	QUANTITY PURCHASED, 1000 TONS
60	28,456.1	32,688.4	28,181.4	27,334.5	24,458.9	25,022.4	301,022.7	60	TOTAL HEATING VAL,BILLION BTU
61	0.6	0.6	0.6	0.6	0.6	0.6	0.6	61	AVG. S CONTENT, % BY WEIGHT
62	59.2	62.1	64.4	65.2	72.0	68.7	63.5	62	AVG. PRICE /MILLION BTU
63	16,849.0	20,314.1	18,153.7	17,828.2	17,619.9	17,193.1	191,039.9	63	TOTAL EST. COAL BILL, $1000
									MOUNTAIN
67	3,714.4	4,486.3	4,038.7	3,719.4	4,093.8	3,116.7	47,912.0	67	QUANTITY PURCHASED, 1000 TONS
68	72,641.3	88,032.1	79,348.5	73,593.0	80,698.6	58,248.7	936,580.4	68	TOTAL HEATING VAL,BILLION BTU
69	0.5	0.5	0.5	0.5	0.5	0.6	0.5	69	AVG. S CONTENT, % BY WEIGHT
70	43.0	50.1	47.5	51.4	48.8	47.9	45.2	70	AVG. PRICE /MILLION BTU
71	31,216.9	44,111.1	37,651.7	37,798.5	39,350.4	27,896.4	423,005.6	71	TOTAL EST. COAL BILL, $1000
									PACIFIC
75	400.0	400.0	400.0	400.0	400.0	400.0	4,550.0	75	QUANTITY PURCHASED, 1000 TONS
76	6,480.0	6,480.0	6,480.0	6,480.0	6,480.0	6,480.0	73,710.0	76	TOTAL HEATING VAL,BILLION BTU
77	0.5	0.5	0.7	0.6	0.5	0.5	0.6	77	AVG. S CONTENT, % BY WEIGHT
78	71.7	71.1	71.3	71.4	70.6	70.5	72.3	78	AVG. PRICE /MILLION BTU
79	4,646.2	4,607.3	4,620.2	4,626.7	4,574.9	4,568.4	53,319.1	79	TOTAL EST. COAL BILL, $1000

TABLE 5

1977 FUEL OIL DELIVERIES TO STEAM-ELECTRIC PLANTS

GEOGRAPHIC REGION AND STATE	LINE	NUMBER OF REPORTING: COMPANIES	NUMBER OF REPORTING: PLANTS	QUANTITY AND TYPE OF OIL RECEIVED IN THOUSANDS OF BARRELS: FUEL OIL NO. 2	FUEL OIL NO. 4 1/	FUEL OIL NO. 5 1/	FUEL OIL NO. 6	CRUDE OIL 2/	KEROSENE 3/	TOTAL	LINE
NEW ENGLAND											
CONNECTICUT	2	3	8	53.0	0.0	0.0	18,896.4	0.0	0.0	18,949.4	2
MAINE	3	2	3	3.0	0.0	0.0	1,265.0	0.0	0.0	1,268.0	3
MASSACHUSETTS	4	11	17	86.1	0.0	0.0	47,289.3	0.0	0.0	47,375.4	4
NEW HAMPSHIRE	5	1	3	35.1	0.0	0.0	2,709.6	0.0	0.0	2,744.7	5
RHODE ISLAND	6	1	2	0.0	0.0	0.0	1,296.0	0.0	0.0	1,296.0	6
VERMONT	7	1	1	33.1	0.0	0.0	0.0	0.0	0.0	33.1	7
..... TOTAL	9	19	34	210.3	0.0	0.0	71,456.3	0.0	0.0	71,666.6	9
MIDDLE ATLANTIC											
NEW JERSEY	12	5	13	23.8	0.0	0.0	25,514.7	0.0	0.0	25,538.5	12
NEW YORK	13	6	21	0.0	0.0	0.0	85,640.0	0.0	0.0	85,640.0	13
PENNSYLVANIA	14	7	32	2,030.2	0.0	0.0	19,260.5	492.0	0.0	21,782.7	14
..... TOTAL	16	18	66	2,054.0	0.0	0.0	130,415.1	492.0	0.0	132,961.2	16
EAST NORTH CENTRAL											
ILLINOIS	19	8	19	1,923.8	0.0	0.0	8,582.8	0.0	0.0	10,506.6	19
INDIANA	20	5	13	1,870.2	0.0	0.0	0.0	0.0	0.0	1,870.2	20
MICHIGAN	21	4	14	1,367.3	0.0	0.0	9,144.4	4,951.4	0.0	15,463.1	21
OHIO	22	8	26	1,317.0	0.0	0.0	1,704.3	0.0	0.0	3,021.3	22
WISCONSIN	23	6	9	850.1	0.0	0.0	91.0	19.1	0.0	960.2	23
..... TOTAL	25	31	81	7,328.4	0.0	0.0	19,522.4	4,970.5	0.0	31,821.4	25
WEST NORTH CENTRAL											
IOWA	28	7	15	542.9	0.0	0.0	0.0	0.0	0.0	542.9	28
KANSAS	29	12	22	718.2	0.0	612.7	2,980.9	0.0	0.0	4,311.8	29
MINNESOTA	30	6	10	81.5	8.3	1.6	1,183.9	0.0	0.0	1,275.4	30
MISSOURI	31	7	14	1,092.9	0.0	0.0	780.9	0.0	0.0	1,873.8	31
NEBRASKA	32	5	5	14.7	0.0	0.5	703.2	0.0	0.0	718.4	32
NORTH DAKOTA	33	2	2	48.1	0.0	0.0	0.0	0.0	0.0	48.1	33
SOUTH DAKOTA	34	3	3	30.9	0.0	0.0	79.0	0.0	0.0	109.9	34
..... TOTAL	36	42	71	2,529.2	8.3	614.9	5,727.9	0.0	0.0	8,880.2	36
SOUTH ATLANTIC											
DELAWARE	39	2	5	323.2	0.0	0.0	6,913.2	0.0	0.0	7,236.4	39
DISTRICT OF COLUMBIA	40	1	2	52.0	407.0	0.0	3,317.0	0.0	0.0	3,776.0	40
FLORIDA	41	13	36	1,555.0	256.0	55.5	66,297.3	0.0	0.0	68,163.8	41
GEORGIA	42	2	12	4,155.5	0.0	0.0	4,643.2	0.0	0.0	8,798.7	42
MARYLAND	43	4	10	558.7	0.0	0.0	15,645.0	0.0	0.0	16,203.7	43
NORTH CAROLINA	44	2	13	829.9	0.0	0.0	0.0	0.0	0.0	829.9	44
SOUTH CAROLINA	45	4	10	661.0	0.0	0.0	5,063.4	0.0	0.0	5,724.4	45
VIRGINIA	46	4	10	1,133.7	0.0	0.0	26,279.0	0.0	0.0	27,412.7	46
WEST VIRGINIA	47	2	6	617.5	0.0	0.0	0.0	0.0	0.0	617.5	47
..... TOTAL	49	34	104	9,886.5	663.0	55.5	128,158.1	0.0	0.0	138,763.0	49
EAST SOUTH CENTRAL											
ALABAMA	52	2	8	494.9	0.0	0.0	0.0	0.0	0.0	494.9	52
KENTUCKY	53	4	6	149.9	0.0	0.0	0.0	0.0	0.0	149.9	53
MISSISSIPPI	54	3	10	1,437.8	91.9	0.0	16,346.3	0.0	0.0	17,876.0	54
TENNESSEE	55	1	8	224.9	0.0	0.0	0.0	0.0	0.0	224.9	55
..... TOTAL	57	10	32	2,307.5	91.9	0.0	16,346.3	0.0	0.0	18,745.7	57
WEST SOUTH CENTRAL											
ARKANSAS	60	4	10	734.5	0.0	14.8	13,121.0	0.0	0.0	13,870.3	60
LOUISIANA	61	11	17	2,985.7	84.7	0.0	20,488.2	0.0	0.0	23,558.6	61
OKLAHOMA	62	1	2	113.7	0.0	7.1	0.0	0.0	0.0	120.8	62
TEXAS	63	18	50	1,230.8	364.3	1,223.9	1,535.3	0.0	0.0	4,354.3	63
..... TOTAL	65	34	79	5,064.6	449.0	1,245.8	35,144.6	0.0	0.0	41,904.0	65
MOUNTAIN											
ARIZONA	68	4	10	435.3	0.0	2,992.7	3,432.7	0.0	0.0	6,860.7	68
COLORADO	69	3	6	20.4	0.0	75.9	509.5	0.0	0.0	605.8	69
IDAHO	70	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	70
MONTANA	71	1	1	0.0	45.0	76.0	0.0	0.0	0.0	121.0	71
NEVADA	72	2	4	52.4	0.0	0.0	1,381.7	0.0	0.0	1,434.1	72
NEW MEXICO	73	4	6	83.3	672.6	134.1	39.7	0.0	0.0	929.7	73
UTAH	74	1	2	77.0	0.0	0.0	218.0	0.0	0.0	295.0	74
WYOMING	75	1	1	1.0	0.0	0.0	0.0	0.0	0.0	1.0	75
..... TOTAL	77	16	30	669.5	717.6	3,278.7	5,581.6	0.0	0.0	10,247.3	77
PACIFIC											
CALIFORNIA	80	8	34	793.8	0.0	1,017.1	127,448.0	133.1	0.0	129,392.0	80
OREGON	81	1	1	50.6	0.0	0.0	0.0	0.0	0.0	50.6	81
WASHINGTON	82	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	82
..... TOTAL	84	9	35	844.4	0.0	1,017.1	127,448.0	133.1	0.0	129,442.6	84
UNITED STATES TOTAL	86	213	532	30,894.4	1,929.9	6,211.9	539,800.2	5,595.6	0.0	584,432.0	86

PAGE 8/1977

1/ BLEND OF NO 2 AND NO 6 FUEL OIL
2/ INCLUDES SMALL QUANTITIES OF TOPPED CRUDE
3/ INCLUDES SMALL QUANTITIES OF JET-FUEL

TABLE 6

AVERAGE DELIVERED PRICES OF FUEL OIL AT STEAM-ELECTRIC PLANTS, 1977

GEOGRAPHIC REGION AND STATE	LINE	PRICE OF RESIDUAL OIL (NO. 6) BY TYPE OF PURCHASE						AVERAGE PRICES OF OTHER PRODUCTS								LINE
		CONTRACT PURCHASES 1000 BBLS.	AVG. CONTRACT PRICE ¢ PER 10⁶ BTU	AVG. CONTRACT PRICE $ PER BBL.	SPOT PURCHASES 1000 BBLS.	AVG. SPOT PRICE ¢ PER 10⁶ BTU	AVG. SPOT PRICE $ PER BBL.	FUEL OIL NO. 2 ¢ PER 10⁶ BTU	FUEL OIL NO. 2 $ PER BBL.	FUEL OIL NO. 4 - NO. 5 ¢ PER 10⁶ BTU	FUEL OIL NO. 4 - NO. 5 $ PER BBL.	CRUDE OIL ¢ PER 10⁶ BTU	CRUDE OIL $ PER BBL.	KEROSENE ¢ PER 10⁶ BTU	KEROSENE $ PER BBL.	
NEW ENGLAND																
CONNECTICUT	2	18,896.4	223.8	13.74	0.0	0.0	0.00	243.2	14.04	0.0	0.00	0.0	0.00	0.0	0.00	2
MAINE	3	358.0	206.4	12.89	907.0	204.4	12.74	275.9	16.22	0.0	0.00	0.0	0.00	0.0	0.00	3
MASSACHUSETTS	4	44,092.7	212.8	13.12	3,196.6	195.7	12.17	269.0	15.44	0.0	0.00	0.0	0.00	0.0	0.00	4
NEW HAMPSHIRE	5	2,709.6	205.7	12.84	0.0	0.0	0.00	269.1	15.51	0.0	0.00	0.0	0.00	0.0	0.00	5
RHODE ISLAND	6	679.0	213.2	13.11	617.0	199.6	12.47	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	6
VERMONT	7	0.0	0.0	0.00	0.0	0.0	0.00	280.6	16.19	0.0	0.00	0.0	0.00	0.0	0.00	7
..... TOTAL	9	66,735.7	215.6	13.29	4,720.5	197.9	12.32	264.4	15.22	0.0	0.00	0.0	0.00	0.0	0.00	9
MIDDLE ATLANTIC																
NEW JERSEY	12	25,091.7	232.0	14.18	423.0	230.3	14.02	267.4	15.35	0.0	0.00	0.0	0.00	0.0	0.00	12
NEW YORK	13	80,384.5	218.1	13.46	5,255.5	228.5	13.92	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	13
PENNSYLVANIA	14	18,496.5	230.4	14.06	764.0	221.4	13.71	280.0	16.25	0.0	0.00	233.0	13.84	0.0	0.00	14
..... TOTAL	16	123,972.6	222.7	13.69	6,442.5	227.8	13.90	279.9	16.24	0.0	0.00	233.0	13.84	0.0	0.00	16
EAST NORTH CENTRAL																
ILLINOIS	19	8,582.8	244.5	15.23	0.0	0.0	0.00	273.8	15.89	0.0	0.00	0.0	0.00	0.0	0.00	19
INDIANA	20	0.0	0.0	0.00	0.0	0.0	0.00	228.1	13.17	0.0	0.00	0.0	0.00	0.0	0.00	20
MICHIGAN	21	8,259.9	264.5	16.56	884.5	230.2	14.44	262.3	15.12	0.0	0.00	271.1	15.71	0.0	0.00	21
OHIO	22	99.0	211.0	13.40	1,605.3	240.3	15.14	276.1	15.90	0.0	0.00	0.0	0.00	0.0	0.00	22
WISCONSIN	23	91.0	200.5	12.73	0.0	0.0	0.00	266.6	15.48	0.0	0.00	253.1	14.25	0.0	0.00	23
..... TOTAL	25	17,032.6	253.8	15.85	2,489.8	236.7	14.89	259.6	15.01	0.0	0.00	271.0	15.71	0.0	0.00	25
WEST NORTH CENTRAL																
IOWA	28	0.0	0.0	0.00	0.0	0.0	0.00	266.4	15.52	0.0	0.00	0.0	0.00	0.0	0.00	28
KANSAS	29	0.0	0.0	0.00	2,980.9	194.3	12.20	263.2	15.32	226.2	13.89	0.0	0.00	0.0	0.00	29
MINNESOTA	30	1,102.5	204.7	12.93	81.4	205.9	12.91	263.7	15.42	244.5	14.27	0.0	0.00	0.0	0.00	30
MISSOURI	31	642.4	198.7	12.63	138.5	195.5	12.35	271.2	15.70	0.0	0.00	0.0	0.00	0.0	0.00	31
NEBRASKA	32	363.0	182.8	11.54	340.2	174.9	11.08	273.4	16.08	224.6	14.28	0.0	0.00	0.0	0.00	32
NORTH DAKOTA	33	0.0	0.0	0.00	0.0	0.0	0.00	276.3	16.05	0.0	0.00	0.0	0.00	0.0	0.00	33
SOUTH DAKOTA	34	0.0	0.0	0.00	79.0	183.5	11.64	302.8	17.70	0.0	0.00	0.0	0.00	0.0	0.00	34
..... TOTAL	36	2,107.9	199.1	12.60	3,620.0	192.5	12.10	268.1	15.58	226.5	13.90	0.0	0.00	0.0	0.00	36
SOUTH ATLANTIC																
DELAWARE	39	4,612.2	217.7	13.32	2,301.0	223.1	13.84	243.7	14.17	0.0	0.00	0.0	0.00	0.0	0.00	39
DISTRICT OF COLUMBIA	40	3,317.0	223.4	13.83	0.0	0.0	0.00	254.6	14.83	232.0	14.04	0.0	0.00	0.0	0.00	40
FLORIDA	41	65,320.7	212.2	13.21	976.6	195.9	12.22	252.4	14.63	245.9	15.12	0.0	0.00	0.0	0.00	41
GEORGIA	42	4,643.2	204.9	12.73	0.0	0.0	0.00	278.2	15.89	0.0	0.00	0.0	0.00	0.0	0.00	42
MARYLAND	43	14,539.0	214.0	13.21	1,106.0	208.5	13.00	266.6	15.49	0.0	0.00	0.0	0.00	0.0	0.00	43
NORTH CAROLINA	44	0.0	0.0	0.00	0.0	0.0	0.00	272.4	15.80	0.0	0.00	0.0	0.00	0.0	0.00	44
SOUTH CAROLINA	45	5,063.4	173.1	10.83	0.0	0.0	0.00	275.5	15.99	0.0	0.00	0.0	0.00	0.0	0.00	45
VIRGINIA	46	24,221.0	213.4	13.29	2,058.0	222.2	13.71	273.1	16.03	0.0	0.00	0.0	0.00	0.0	0.00	46
WEST VIRGINIA	47	0.0	0.0	0.00	0.0	0.0	0.00	280.1	16.47	0.0	0.00	0.0	0.00	0.0	0.00	47
..... TOTAL	49	121,716.5	211.3	13.13	6,441.6	216.2	13.41	271.1	15.66	238.1	14.51	0.0	0.00	0.0	0.00	49
EAST SOUTH CENTRAL																
ALABAMA	52	0.0	0.0	0.00	0.0	0.0	0.00	278.4	15.92	0.0	0.00	0.0	0.00	0.0	0.00	52
KENTUCKY	53	0.0	0.0	0.00	0.0	0.0	0.00	285.5	16.63	0.0	0.00	0.0	0.00	0.0	0.00	53
MISSISSIPPI	54	14,270.6	179.1	11.16	2,075.7	178.0	11.31	253.9	14.77	195.1	11.80	0.0	0.00	0.0	0.00	54
TENNESSEE	55	0.0	0.0	0.00	0.0	0.0	0.00	300.8	17.39	0.0	0.00	0.0	0.00	0.0	0.00	55
..... TOTAL	57	14,270.6	179.1	11.16	2,075.7	178.0	11.31	265.7	15.40	195.1	11.80	0.0	0.00	0.0	0.00	57
WEST SOUTH CENTRAL																
ARKANSAS	60	11,014.9	202.2	12.67	2,106.1	189.1	12.00	262.2	15.19	199.6	12.16	0.0	0.00	0.0	0.00	60
LOUISIANA	61	6,050.0	188.1	11.55	14,438.2	189.5	11.81	242.2	14.29	237.6	14.29	0.0	0.00	0.0	0.00	61
OKLAHOMA	62	0.0	0.0	0.00	0.0	0.0	0.00	271.6	15.80	196.2	12.20	0.0	0.00	0.0	0.00	62
TEXAS	63	761.6	182.3	11.28	773.7	198.1	12.26	252.4	14.78	198.2	11.98	0.0	0.00	0.0	0.00	63
..... TOTAL	65	17,826.5	196.7	12.23	17,318.1	189.8	11.85	248.2	14.57	200.1	12.10	0.0	0.00	0.0	0.00	65
MOUNTAIN																
ARIZONA	68	2,007.0	229.0	14.28	1,425.7	218.3	13.71	279.3	16.28	232.3	14.40	0.0	0.00	0.0	0.00	68
COLORADO	69	349.0	197.1	12.14	160.5	183.9	11.58	274.1	15.91	184.8	11.77	0.0	0.00	0.0	0.00	69
IDAHO	70	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	70
MONTANA	71	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.00	202.1	12.63	0.0	0.00	0.0	0.00	71
NEVADA	72	1,381.7	214.5	13.19	0.0	0.0	0.00	252.4	14.77	0.0	0.00	0.0	0.00	0.0	0.00	72
NEW MEXICO	73	8.1	201.6	12.00	31.6	196.3	11.83	259.2	14.89	250.0	14.91	0.0	0.00	0.0	0.00	73
UTAH	74	218.0	197.6	13.16	0.0	0.0	0.00	259.7	15.27	0.0	0.00	0.0	0.00	0.0	0.00	74
WYOMING	75	0.0	0.0	0.00	0.0	0.0	0.00	340.1	19.28	0.0	0.00	0.0	0.00	0.0	0.00	75
..... TOTAL	77	3,963.8	219.3	13.65	1,617.8	214.5	13.46	272.4	15.86	233.9	14.40	0.0	0.00	0.0	0.00	77
PACIFIC																
CALIFORNIA	80	127,302.1	237.0	14.51	145.9	255.1	15.90	267.0	15.49	252.3	15.90	233.7	13.73	0.0	0.00	80
OREGON	81	0.0	0.0	0.00	0.0	0.0	0.00	254.2	14.19	0.0	0.00	0.0	0.00	0.0	0.00	81
WASHINGTON	82	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	82
..... TOTAL	84	127,302.1	237.0	14.51	145.9	255.1	15.90	266.3	15.41	252.3	15.90	233.7	13.73	0.0	0.00	84
UNITED STATES TOTAL	86	494,928.4	221.3	13.65	44,871.9	203.2	12.65	264.3	15.33	228.7	14.05	266.7	15.50	0.0	0.00	86

TABLE 7

FUEL OIL DELIVERIES AND DELIVERED PRICES BY

GEOGRAPHIC REGION AND STATE	LINE	0.3% SULFUR OR LESS			0.31% TO 0.5% SULFUR			0.51% TO 1.0% SULFUR			LINE
		QUANTITY 1000 BBLS.	AVG. PRICE ¢ PER 10^6 BTU	AVG. PRICE $ PER BBL.	QUANTITY 1000 BBLS.	AVG. PRICE ¢ PER 10^6 BTU	AVG. PRICE $ PER BBL.	QUANTITY 1000 BBLS.	AVG. PRICE ¢ PER 10^6 BTU	AVG. PRICE $ PER BBL.	
NEW ENGLAND											
CONNECTICUT	2	5,655.4	223.6	13.75	13,241.0	223.9	13.74	0.0	0.0	0.00	2
MAINE	3	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	3
MASSACHUSETTS	4	235.4	211.2	12.97	1,051.8	230.7	14.17	38,317.9	213.6	13.16	4
NEW HAMPSHIRE	5	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	5
RHODE ISLAND	6	0.0	0.0	0.00	0.0	0.0	0.00	1,296.0	206.7	12.80	6
VERMONT	7	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	7
..... TOTAL	9	5,890.8	223.1	13.72	14,292.8	224.4	13.77	39,613.9	213.4	13.15	9
MIDDLE ATLANTIC											
NEW JERSEY	12	20,073.0	233.7	14.24	734.0	237.1	14.45	1,024.2	232.9	14.27	12
NEW YORK	13	37,692.7	234.1	14.26	8,844.4	228.5	13.96	2,564.0	220.2	13.53	13
PENNSYLVANIA	14	5,233.4	231.4	14.15	6,073.9	230.4	14.21	8,426.2	229.1	13.85	14
..... TOTAL	16	62,999.1	233.7	14.24	15,652.3	229.6	14.08	12,014.4	227.5	13.82	16
EAST NORTH CENTRAL											
ILLINOIS	19	0.0	0.0	0.00	280.5	226.2	14.30	8,229.4	245.5	15.28	19
INDIANA	20	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	20
MICHIGAN	21	0.0	0.0	0.00	4,435.4	277.1	16.12	8,961.8	261.1	16.25	21
OHIO	22	0.0	0.0	0.00	0.0	0.0	0.00	254.9	228.2	14.30	22
WISCONSIN	23	0.0	0.0	0.00	0.0	0.0	0.00	19.1	253.1	14.25	23
..... TOTAL	25	0.0	0.0	0.00	4,715.9	273.8	16.01	17,465.2	253.3	15.76	25
WEST NORTH CENTRAL											
IOWA	28	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	28
KANSAS	29	113.6	216.2	13.40	245.7	213.7	13.20	1,584.0	206.3	12.83	29
MINNESOTA	30	0.0	0.0	0.00	2.1	173.1	9.87	2.4	219.9	13.76	30
MISSOURI	31	19.9	187.5	11.80	0.0	0.0	0.00	118.5	212.7	13.36	31
NEBRASKA	32	0.0	0.0	0.00	0.0	0.0	0.00	448.0	174.9	11.03	32
NORTH DAKOTA	33	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	33
SOUTH DAKOTA	34	0.0	0.0	0.00	0.0	0.0	0.00	79.0	183.5	11.64	34
..... TOTAL	36	133.5	211.9	13.16	247.7	213.4	13.17	2,231.8	199.5	12.45	36
SOUTH ATLANTIC											
DELAWARE	39	354.0	226.0	13.04	44.0	245.8	14.47	5,151.0	217.9	13.42	39
DISTRICT OF COLUMBIA	40	0.0	0.0	0.00	0.0	0.0	0.00	1,156.0	225.7	13.90	40
FLORIDA	41	155.0	208.9	13.00	0.0	0.0	0.00	27,670.3	224.0	13.83	41
GEORGIA	42	0.0	0.0	0.00	0.0	0.0	0.00	1,007.2	221.5	13.98	42
MARYLAND	43	0.0	0.0	0.00	9.0	166.0	9.66	8,048.0	224.4	13.72	43
NORTH CAROLINA	44	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	44
SOUTH CAROLINA	45	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	45
VIRGINIA	46	0.0	0.0	0.00	0.0	0.0	0.00	6,328.0	234.1	14.36	46
WEST VIRGINIA	47	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	47
..... TOTAL	49	509.0	220.5	13.02	53.0	232.4	13.65	49,360.5	224.7	13.84	49
EAST SOUTH CENTRAL											
ALABAMA	52	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	52
KENTUCKY	53	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	53
MISSISSIPPI	54	0.0	0.0	0.00	0.0	0.0	0.00	1,532.3	210.7	12.75	54
TENNESSEE	55	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	55
..... TOTAL	57	0.0	0.0	0.00	0.0	0.0	0.00	1,532.3	210.7	12.75	57
WEST SOUTH CENTRAL											
ARKANSAS	60	0.0	0.0	0.00	0.0	0.0	0.00	9,575.3	202.8	12.71	60
LOUISIANA	61	144.4	218.4	13.37	1,383.0	193.0	12.11	14,634.4	190.9	11.83	61
OKLAHOMA	62	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	62
TEXAS	63	551.2	178.5	10.62	443.4	199.5	12.25	2,128.8	197.1	12.13	63
..... TOTAL	65	695.6	187.0	11.19	1,828.4	194.5	12.15	26,338.4	195.8	12.18	65
MOUNTAIN											
ARIZONA	68	806.9	251.2	15.59	623.4	258.5	15.71	4,079.1	226.2	14.08	68
COLORADO	69	2.8	159.8	10.29	195.6	202.2	12.28	105.8	190.5	11.80	69
IDAHO	70	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	70
MONTANA	71	115.0	201.5	12.59	0.0	0.0	0.00	0.0	0.0	0.00	71
NEVADA	72	0.0	0.0	0.00	61.6	240.3	14.34	1,320.1	213.3	13.14	72
NEW MEXICO	73	82.2	204.1	12.31	499.6	253.9	14.98	264.6	249.3	15.13	73
UTAH	74	0.0	0.0	0.00	218.0	197.6	13.16	0.0	0.0	0.00	74
WYOMING	75	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	75
..... TOTAL	77	1,006.9	241.5	14.97	1,598.2	240.5	14.66	5,769.6	223.7	13.87	77
PACIFIC											
CALIFORNIA	80	58,397.1	240.9	14.70	65,643.8	237.9	14.59	2,938.0	174.3	10.90	80
OREGON	81	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	81
WASHINGTON	82	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	82
..... TOTAL	84	58,397.1	240.9	14.70	65,643.8	237.9	14.59	2,938.0	174.3	10.90	84
UNITED STATES TOTAL	86	129,632.0	236.2	14.41	104,030.2	235.5	14.42	157,264.2	218.9	13.51	86

PAGE 10/1977

NOTE: NO 2 FUEL OIL, JET-FUEL AND KEROSENE ARE OMITTED FROM THIS TABLE

SULFUR CONTENT AT STEAM-ELECTRIC PLANTS, 1977

LINE	1.01% TO 2.0% SULFUR			2.01% TO 3.0% SULFUR			3.01% OR MORE SULFUR			AVG. PRICE FOR ALL PURCHASES		LINE	GEOGRAPHIC REGION AND STATE
	QUANTITY 1000 BBLS.	AVG. PRICE ¢ PER 10^6 BTU	AVG. PRICE $ PER BBL.	QUANTITY 1000 BBLS.	AVG. PRICE ¢ PER 10^6 BTU	AVG. PRICE $ PER BBL.	QUANTITY 1000 BBLS.	AVG. PRICE ¢ PER 10^6 BTU	AVG. PRICE $ PER BBL.	¢ PER 10^6 BTU	$ PER BBL.		
													NEW ENGLAND
2	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	223.8	13.74	2	CONNECTICUT
3	0.0	0.0	0.00	1,265.0	205.0	12.79	0.0	0.0	0.00	205.0	12.79	3	MAINE
4	5,009.3	202.6	12.58	2,674.9	193.5	12.07	0.0	0.0	0.00	211.7	13.06	4	MASSACHUSETTS
5	2,404.6	206.5	12.90	305.0	198.9	12.37	0.0	0.0	0.00	205.7	12.84	5	NEW HAMPSHIRE
6	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	206.7	12.80	6	RHODE ISLAND
7	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.00	7	VERMONT
9	7,413.9	203.8	12.69	4,244.9	197.3	12.31	0.0	0.0	0.00	214.4	13.22	9	..... TOTAL
													MIDDLE ATLANTIC
12	3,683.4	221.5	13.71	0.0	0.0	0.00	0.0	0.0	0.00	232.0	14.17	12	NEW JERSEY
13	15,160.2	206.9	12.81	21,378.7	196.7	12.40	0.0	0.0	0.00	218.7	13.49	13	NEW YORK
14	0.0	0.0	0.00	19.0	201.6	12.63	0.0	0.0	0.00	230.1	14.04	14	PENNSYLVANIA
16	18,843.6	209.7	12.99	21,397.7	196.7	12.40	0.0	0.0	0.00	223.0	13.70	16	..... TOTAL
													EAST NORTH CENTRAL
19	72.9	200.5	12.57	0.0	0.0	0.00	0.0	0.0	0.00	244.5	15.23	19	ILLINOIS
20	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.00	20	INDIANA
21	698.6	233.2	14.66	0.0	0.0	0.00	0.0	0.0	0.00	264.5	16.13	21	MICHIGAN
22	1,449.4	240.4	15.17	0.0	0.0	0.00	0.0	0.0	0.00	238.6	15.04	22	OHIO
23	91.0	200.5	12.73	0.0	0.0	0.00	0.0	0.0	0.00	208.7	12.99	23	WISCONSIN
25	2,311.9	235.4	14.84	0.0	0.0	0.00	0.0	0.0	0.00	255.3	15.72	25	..... TOTAL
													WEST NORTH CENTRAL
28	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.00	28	IOWA
29	1,565.6	189.7	11.95	84.8	198.4	12.64	0.0	0.0	0.00	199.6	12.49	29	KANSAS
30	1,041.9	198.9	12.56	140.0	251.3	15.83	7.5	205.7	12.96	205.1	12.94	30	MINNESOTA
31	553.1	194.4	12.39	68.3	204.1	12.91	21.1	204.7	13.04	198.1	12.58	31	MISSOURI
32	241.2	184.8	11.75	10.5	200.2	12.72	3.9	220.8	14.28	179.0	11.32	32	NEBRASKA
33	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.00	33	NORTH DAKOTA
34	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	183.5	11.64	34	SOUTH DAKOTA
36	3,401.8	193.0	12.19	303.7	224.0	14.18	32.5	206.9	13.17	198.0	12.44	36	..... TOTAL
													SOUTH ATLANTIC
39	1,364.2	223.3	13.87	0.0	0.0	0.00	0.0	0.0	0.00	219.5	13.50	39	DELAWARE
40	2,568.0	223.6	13.83	0.0	0.0	0.00	0.0	0.0	0.00	224.3	13.85	40	DISTRICT OF COLUMBIA
41	12,619.2	211.1	13.20	26,164.3	200.3	12.56	0.0	0.0	0.00	212.1	13.21	41	FLORIDA
42	500.0	226.7	13.59	3,136.0	196.2	12.19	0.0	0.0	0.00	204.9	12.73	42	GEORGIA
43	6,963.0	202.1	12.62	625.0	207.9	12.95	0.0	0.0	0.00	213.6	13.20	43	MARYLAND
44	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.00	44	NORTH CAROLINA
45	2,470.6	174.9	10.93	2,592.7	171.3	10.73	0.0	0.0	0.00	173.1	10.83	45	SOUTH CAROLINA
46	10,206.0	211.0	13.14	9,745.0	204.5	12.85	0.0	0.0	0.00	214.1	13.32	46	VIRGINIA
47	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.00	47	WEST VIRGINIA
49	36,691.0	208.4	12.99	42,263.0	199.3	12.49	0.0	0.0	0.00	211.7	13.15	49	..... TOTAL
													EAST SOUTH CENTRAL
52	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.00	52	ALABAMA
53	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.00	53	KENTUCKY
54	1,817.5	179.7	11.23	12,177.3	175.3	10.99	911.1	176.4	10.92	179.1	11.18	54	MISSISSIPPI
55	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.00	55	TENNESSEE
57	1,817.5	179.7	11.23	12,177.3	175.3	10.99	911.1	176.4	10.92	179.1	11.18	57	..... TOTAL
													WEST SOUTH CENTRAL
60	1,454.4	198.2	12.39	2,106.1	189.1	12.00	0.0	0.0	0.00	200.1	12.56	60	ARKANSAS
61	4,411.2	181.9	11.26	0.0	0.0	0.00	0.0	0.0	0.00	189.3	11.74	61	LOUISIANA
62	7.1	196.2	12.20	0.0	0.0	0.00	0.0	0.0	0.00	196.2	12.20	62	OKLAHOMA
63	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	194.2	11.88	63	TEXAS
65	5,872.7	186.0	11.54	2,106.1	189.1	12.00	0.0	0.0	0.00	193.6	12.04	65	..... TOTAL
													MOUNTAIN
68	916.0	196.9	12.57	0.0	0.0	0.00	0.0	0.0	0.00	228.1	14.21	68	ARIZONA
69	281.2	185.8	11.77	0.0	0.0	0.00	0.0	0.0	0.00	191.9	11.94	69	COLORADO
70	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.00	70	IDAHO
71	6.0	214.4	13.40	0.0	0.0	0.00	0.0	0.0	0.00	202.1	12.63	71	MONTANA
72	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	214.5	13.19	72	NEVADA
73	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	247.5	14.77	73	NEW MEXICO
74	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	197.6	13.16	74	UTAH
75	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.00	75	WYOMING
77	1,203.2	194.4	12.39	0.0	0.0	0.00	0.0	0.0	0.00	224.5	13.93	77	..... TOTAL
													PACIFIC
80	1,619.3	191.4	12.17	0.0	0.0	0.00	0.0	0.0	0.00	237.1	14.53	80	CALIFORNIA
81	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.00	81	OREGON
82	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.00	82	WASHINGTON
84	1,619.3	191.4	12.17	0.0	0.0	0.00	0.0	0.0	0.00	237.1	14.53	84	..... TOTAL
86	79,174.9	205.5	12.81	82,492.7	194.8	12.23	943.6	177.5	10.99	220.4	13.60	86	UNITED STATES TOTAL

TABLE 8

BASIC FUEL OIL STATISTICS DURING THE PAST

	LINE	MONTHLY SUMMARIES OF OIL PURCHASES						LINE
		JANUARY 77	FEBRUARY 77	MARCH 77	APRIL 77	MAY 77	JUNE 77	
NATIONAL DATA								
QUANTITY PURCHASED, 1000 BBLS	1	53,437.5	52,099.3	49,371.7	42,499.7	46,657.0	49,148.6	1
TOTAL HEATING VAL,BILLION BTU	2	328,181.1	320,188.1	303,552.9	261,126.9	286,955.8	302,138.4	2
AVG. S CONTENT, % BY WEIGHT	3	0.9	1.0	1.0	0.9	0.9	1.0	3
AVG. PRICE, /MILLION BTU	4	219.7	225.9	230.5	228.6	225.0	220.8	4
TOTAL EST. OIL BILL, $1000	5	721,123.5	723,326.8	699,587.4	596,957.2	645,626.4	667,158.5	5
REGIONAL DATA								
NEW ENGLAND								
QUANTITY PURCHASED, 1000 BBLS	11	6,464.7	6,679.1	5,159.7	4,804.6	4,638.1	5,866.9	11
TOTAL HEATING VAL,BILLION BTU	12	39,739.8	41,063.1	31,827.5	29,603.0	28,568.0	36,152.5	12
AVG. S CONTENT, % BY WEIGHT	13	0.9	0.9	0.9	0.9	0.8	0.9	13
AVG. PRICE, /MILLION BTU	14	213.7	223.7	231.8	218.8	223.6	216.3	14
TOTAL EST. OIL BILL, $1000	15	84,914.3	91,842.4	73,769.3	64,756.6	63,884.5	78,202.9	15
MIDDLE ATLANTIC								
QUANTITY PURCHASED, 1000 BBLS	19	11,872.4	11,089.5	10,619.8	9,964.9	10,051.1	10,900.9	19
TOTAL HEATING VAL,BILLION BTU	20	72,784.4	67,873.0	64,976.9	61,040.8	61,692.4	66,930.1	20
AVG. S CONTENT, % BY WEIGHT	21	0.8	0.8	0.8	0.9	0.8	1.0	21
AVG. PRICE, /MILLION BTU	22	221.2	236.4	237.8	231.3	228.2	223.5	22
TOTAL EST. OIL BILL, $1000	23	161,004.5	160,448.7	154,544.0	141,194.9	140,785.3	149,557.5	23
EAST NORTH CENTRAL								
QUANTITY PURCHASED, 1000 BBLS	27	3,015.5	2,480.5	2,804.9	2,401.9	2,674.0	2,515.6	27
TOTAL HEATING VAL,BILLION BTU	28	18,209.3	14,929.4	17,002.1	14,577.7	16,248.6	15,312.8	28
AVG. S CONTENT, % BY WEIGHT	29	0.7	0.7	0.7	0.7	0.7	0.7	29
AVG. PRICE, /MILLION BTU	30	249.1	264.0	262.3	261.1	259.3	255.0	30
TOTAL EST. OIL BILL, $1000	31	45,359.0	39,419.4	44,593.0	38,068.2	42,125.5	39,049.9	31
WEST NORTH CENTRAL								
QUANTITY PURCHASED, 1000 BBLS	35	1,558.2	1,398.7	1,187.4	696.4	494.7	396.2	35
TOTAL HEATING VAL,BILLION BTU	36	9,636.5	8,581.7	7,343.8	4,278.4	3,036.0	2,435.7	36
AVG. S CONTENT, % BY WEIGHT	37	1.1	1.0	1.1	1.0	1.0	1.0	37
AVG. PRICE, /MILLION BTU	38	212.3	228.8	220.2	221.2	217.2	214.0	38
TOTAL EST. OIL BILL, $1000	39	20,458.8	19,637.4	16,171.0	9,464.7	6,595.2	5,211.2	39
SOUTH ATLANTIC								
QUANTITY PURCHASED, 1000 BBLS	43	13,572.3	13,275.3	11,875.3	8,731.3	10,724.0	11,652.3	43
TOTAL HEATING VAL,BILLION BTU	44	83,749.4	82,079.2	73,529.5	54,139.1	66,471.0	71,764.8	44
AVG. S CONTENT, % BY WEIGHT	45	1.4	1.5	1.5	1.6	1.5	1.4	45
AVG. PRICE, /MILLION BTU	46	216.3	216.5	225.6	220.5	214.9	215.9	46
TOTAL EST. OIL BILL, $1000	47	181,164.3	177,728.7	165,911.0	119,382.7	142,830.7	154,939.6	47
EAST SOUTH CENTRAL								
QUANTITY PURCHASED, 1000 BBLS	51	1,346.5	1,377.6	1,373.8	518.2	1,533.4	2,131.3	51
TOTAL HEATING VAL,BILLION BTU	52	8,379.6	8,551.0	8,534.5	3,169.1	9,503.8	13,207.5	52
AVG. S CONTENT, % BY WEIGHT	53	2.1	1.9	2.1	1.8	2.2	2.1	53
AVG. PRICE, /MILLION BTU	54	178.1	193.9	190.4	204.8	186.1	184.9	54
TOTAL EST. OIL BILL, $1000	55	14,921.8	16,580.7	16,250.0	6,488.9	17,687.3	24,417.6	55
WEST SOUTH CENTRAL								
QUANTITY PURCHASED, 1000 BBLS	59	3,679.5	3,550.4	3,402.1	2,934.1	3,416.4	4,972.1	59
TOTAL HEATING VAL,BILLION BTU	60	22,660.7	22,014.2	20,959.7	18,100.0	21,144.5	30,682.3	60
AVG. S CONTENT, % BY WEIGHT	61	0.9	1.0	1.0	0.9	0.9	0.8	61
AVG. PRICE, /MILLION BTU	62	197.5	202.2	210.1	208.5	204.2	200.8	62
TOTAL EST. OIL BILL, $1000	63	44,748.8	44,509.0	44,041.2	37,743.4	43,175.7	61,624.2	63
MOUNTAIN								
QUANTITY PURCHASED, 1000 BBLS	67	731.6	946.2	956.0	840.8	923.2	943.3	67
TOTAL HEATING VAL,BILLION BTU	68	4,501.4	5,925.1	5,928.2	5,164.7	5,712.1	5,841.4	68
AVG. S CONTENT, % BY WEIGHT	69	0.7	0.7	0.7	0.7	0.8	0.7	69
AVG. PRICE, /MILLION BTU	70	220.0	220.7	227.5	230.3	225.8	224.1	70
TOTAL EST. OIL BILL, $1000	71	9,902.0	13,075.9	13,486.3	11,892.2	12,898.4	13,093.4	71
PACIFIC								
QUANTITY PURCHASED, 1000 BBLS	75	11,196.8	11,302.1	11,992.8	11,607.5	12,202.1	9,770.0	75
TOTAL HEATING VAL,BILLION BTU	76	68,519.9	69,171.4	73,450.5	71,054.1	74,579.3	59,811.4	76
AVG. S CONTENT, % BY WEIGHT	77	0.4	0.4	0.4	0.4	0.4	0.4	77
AVG. PRICE, /MILLION BTU	78	231.5	231.4	232.6	236.4	235.5	235.8	78
TOTAL EST. OIL BILL, $1000	79	158,650.0	160,084.7	170,821.6	167,965.6	175,643.6	141,062.2	79

TWELVE MONTHS FOR STEAM-ELECTRIC PLANTS, 1977

LINE	MONTHLY SUMMARIES OF OIL PURCHASES							LINE	
	JULY 77	AUGUST 77	SEPTEMBER 77	OCTOBER 77	NOVEMBER 77	DECEMBER 77	TOTAL		NATIONAL DATA
1	56,808.4	57,329.1	47,420.8	40,856.2	39,607.9	49,195.8	584,432.0	1	QUANTITY PURCHASED, 1000 BBLS
2	349,351.8	352,748.4	292,073.3	251,563.5	243,850.8	303,105.4	3,594,836.4	2	TOTAL HEATING VAL,BILLION BTU
3	1.0	1.0	1.0	0.9	0.9	0.9	0.9	3	AVG. S CONTENT, % BY WEIGHT
4	220.3	220.1	220.9	222.9	219.3	217.8	222.6	4	AVG. PRICE, /MILLION BTU
5	769,725.4	776,289.9	645,313.4	560,689.6	534,708.3	660,125.0	8,000,632.0	5	TOTAL EST. OIL BILL, $1000
									REGIONAL DATA
									NEW ENGLAND
11	6,119.1	6,580.1	6,192.3	5,623.5	5,957.9	7,580.5	71,666.6	11	QUANTITY PURCHASED, 1000 BBLS
12	37,713.9	40,548.9	38,222.3	34,789.3	36,803.9	46,764.3	441,796.5	12	TOTAL HEATING VAL,BILLION BTU
13	0.9	0.9	0.9	0.9	0.9	1.0	0.9	13	AVG. S CONTENT, % BY WEIGHT
14	212.6	211.5	210.4	211.1	206.9	202.4	214.6	14	AVG. PRICE, /MILLION BTU
15	80,193.7	85,762.8	80,426.7	73,431.1	76,162.8	94,634.9	947,981.7	15	TOTAL EST. OIL BILL, $1000
									MIDDLE ATLANTIC
19	14,131.0	14,370.6	11,166.1	9,149.9	9,494.0	10,150.9	132,961.2	19	QUANTITY PURCHASED, 1000 BBLS
20	86,815.7	88,467.0	68,712.4	56,297.9	58,377.7	62,379.9	816,348.2	20	TOTAL HEATING VAL,BILLION BTU
21	0.9	1.0	1.1	0.9	0.9	0.8	0.9	21	AVG. S CONTENT, % BY WEIGHT
22	221.3	219.2	221.9	220.4	214.5	211.6	223.8	22	AVG. PRICE, /MILLION BTU
23	192,121.5	193,891.7	152,490.5	124,066.9	125,219.5	131,968.9	1,827,294.1	23	TOTAL EST. OIL BILL, $1000
									EAST NORTH CENTRAL
27	2,586.0	2,482.8	2,074.1	2,402.2	2,695.9	3,688.0	31,821.4	27	QUANTITY PURCHASED, 1000 BBLS
28	15,723.6	15,152.5	12,585.9	14,607.7	16,390.3	22,469.7	193,209.8	28	TOTAL HEATING VAL,BILLION BTU
29	0.7	0.7	0.7	0.7	0.7	0.7	0.7	29	AVG. S CONTENT, % BY WEIGHT
30	255.2	249.7	262.3	256.9	250.9	252.9	256.2	30	AVG. PRICE, /MILLION BTU
31	40,130.6	37,831.3	33,013.8	37,520.6	41,128.6	56,827.6	495,067.4	31	TOTAL EST. OIL BILL, $1000
									WEST NORTH CENTRAL
35	545.2	525.0	348.9	322.2	424.2	983.0	8,880.2	35	QUANTITY PURCHASED, 1000 BBLS
36	3,348.7	3,199.0	2,090.3	1,945.0	2,609.4	6,108.0	54,612.6	36	TOTAL HEATING VAL,BILLION BTU
37	0.9	0.9	0.6	0.8	1.0	1.1	1.0	37	AVG. S CONTENT, % BY WEIGHT
38	209.7	223.0	239.7	230.0	212.6	191.5	216.8	38	AVG. PRICE, /MILLION BTU
39	7,021.6	7,133.6	5,011.0	4,473.1	5,546.5	11,699.7	118,424.0	39	TOTAL EST. OIL BILL, $1000
									SOUTH ATLANTIC
43	14,586.9	14,796.5	12,057.5	8,877.3	8,116.4	10,498.1	138,763.0	43	QUANTITY PURCHASED, 1000 BBLS
44	90,064.2	91,279.8	74,693.1	54,988.4	50,233.7	65,062.2	858,054.4	44	TOTAL HEATING VAL,BILLION BTU
45	1.4	1.4	1.5	1.5	1.4	1.5	1.5	45	AVG. S CONTENT, % BY WEIGHT
46	213.4	213.6	214.8	213.9	212.5	209.1	215.6	46	AVG. PRICE, /MILLION BTU
47	192,233.2	194,972.8	160,451.0	117,610.6	106,733.6	136,071.2	1,850,029.7	47	TOTAL EST. OIL BILL, $1000
									EAST SOUTH CENTRAL
51	2,129.2	1,966.5	1,715.7	1,703.2	1,267.1	1,683.1	18,745.7	51	QUANTITY PURCHASED, 1000 BBLS
52	13,190.9	12,140.3	10,588.6	10,424.7	7,872.3	10,431.0	115,993.3	52	TOTAL HEATING VAL,BILLION BTU
53	2.3	2.1	2.1	1.7	2.3	2.2	2.1	53	AVG. S CONTENT, % BY WEIGHT
54	182.2	186.6	186.6	203.4	189.6	195.3	189.0	54	AVG. PRICE, /MILLION BTU
55	24,030.0	22,658.2	19,756.1	21,202.0	14,922.6	20,367.5	219,282.7	55	TOTAL EST. OIL BILL, $1000
									WEST SOUTH CENTRAL
59	4,457.9	3,826.5	3,517.1	2,666.6	2,449.8	3,031.6	41,904.0	59	QUANTITY PURCHASED, 1000 BBLS
60	27,531.9	23,674.4	21,770.9	16,454.0	15,154.1	18,794.0	258,940.7	60	TOTAL HEATING VAL,BILLION BTU
61	0.8	0.8	0.8	0.7	0.8	1.0	0.9	61	AVG. S CONTENT, % BY WEIGHT
62	195.5	195.8	193.4	201.2	194.3	196.1	199.9	62	AVG. PRICE, /MILLION BTU
63	53,836.8	46,350.7	42,097.1	33,111.6	29,439.1	36,858.4	517,535.9	63	TOTAL EST. OIL BILL, $1000
									MOUNTAIN
67	987.6	899.1	785.9	754.7	670.5	808.5	10,247.3	67	QUANTITY PURCHASED, 1000 BBLS
68	6,068.5	5,544.2	4,844.4	4,663.3	4,144.7	4,982.2	63,320.3	68	TOTAL HEATING VAL,BILLION BTU
69	0.6	0.7	0.7	0.7	0.8	0.7	0.7	69	AVG. S CONTENT, % BY WEIGHT
70	239.9	232.6	228.0	225.0	226.0	227.7	227.5	70	AVG. PRICE, /MILLION BTU
71	14,556.4	12,894.8	11,042.9	10,492.3	9,365.9	11,344.4	144,044.9	71	TOTAL EST. OIL BILL, $1000
									PACIFIC
75	11,265.5	11,882.1	9,563.0	9,356.6	8,532.1	10,772.0	129,442.6	75	QUANTITY PURCHASED, 1000 BBLS
76	68,894.4	72,742.3	58,565.3	57,393.3	52,264.7	66,114.1	792,560.7	76	TOTAL HEATING VAL,BILLION BTU
77	0.4	0.3	0.3	0.3	0.3	0.3	0.4	77	AVG. S CONTENT, % BY WEIGHT
78	240.4	240.3	240.8	241.8	241.4	242.5	237.3	78	AVG. PRICE, /MILLION BTU
79	165,601.7	174,794.1	141,024.3	138,781.5	126,189.8	160,352.5	1,880,971.6	79	TOTAL EST. OIL BILL, $1000

TABLE 9

1977 GAS DELIVERIES TO STEAM-ELECTRIC PLANTS

GEOGRAPHIC REGION AND STATE	LINE	NUMBER OF REPORTING		QUANTITY AND TYPE OF GAS RECEIVED IN THOUSANDS OF MCF					LINE
		COMPANIES	PLANTS	NATURAL GAS	LNG 1/	SNG 2/	OTHER 3/	TOTAL	
NEW ENGLAND									
CONNECTICUT	2	0	0	0.0	0.0	0.0	0.0	0.0	2
MAINE	3	0	0	0.0	0.0	0.0	0.0	0.0	3
MASSACHUSETTS	4	5	5	3,128.2	0.0	0.0	0.0	3,128.2	4
NEW HAMPSHIRE	5	0	0	0.0	0.0	0.0	0.0	0.0	5
RHODE ISLAND	6	0	0	0.0	0.0	0.0	0.0	0.0	6
VERMONT	7	1	1	439.7	0.0	0.0	0.0	439.7	7
..... TOTAL	9	6	6	3,567.9	0.0	0.0	0.0	3,567.9	9
MIDDLE ATLANTIC									
NEW JERSEY	12	2	7	5,929.2	0.0	0.0	0.0	5,929.2	12
NEW YORK	13	3	9	3,349.5	0.0	0.0	0.0	3,349.5	13
PENNSYLVANIA	14	1	1	11.2	0.0	0.0	0.0	11.2	14
..... TOTAL	16	6	17	9,289.9	0.0	0.0	0.0	9,289.9	16
EAST NORTH CENTRAL									
ILLINOIS	19	6	12	7,972.3	0.0	0.0	0.0	7,972.3	19
INDIANA	20	3	5	589.0	0.0	0.0	0.0	589.0	20
MICHIGAN	21	5	10	9,231.7	0.0	0.0	10,517.0	19,748.7	21
OHIO	22	3	3	623.5	0.0	0.0	1,880.2	2,503.7	22
WISCONSIN	23	6	7	2,268.6	0.0	0.0	0.0	2,268.6	23
..... TOTAL	25	23	37	20,685.2	0.0	0.0	12,397.2	33,082.4	25
WEST NORTH CENTRAL									
IOWA	28	10	17	11,967.6	0.0	0.0	0.0	11,967.6	28
KANSAS	29	11	20	114,810.5	0.0	0.0	0.0	114,810.5	29
MINNESOTA	30	8	10	2,994.4	0.0	0.0	179.0	3,173.4	30
MISSOURI	31	7	10	21,169.9	0.0	0.0	0.0	21,169.9	31
NEBRASKA	32	7	10	11,747.6	0.0	0.0	0.0	11,747.6	32
NORTH DAKOTA	33	0	0	0.0	0.0	0.0	0.0	0.0	33
SOUTH DAKOTA	34	2	3	40.0	0.0	0.0	0.0	40.0	34
..... TOTAL	36	45	70	162,730.0	0.0	0.0	179.0	162,909.0	36
SOUTH ATLANTIC									
DELAWARE	39	2	2	262.6	0.0	0.0	184.0	446.6	39
DISTRICT OF COLUMBIA	40	0	0	0.0	0.0	0.0	0.0	0.0	40
FLORIDA	41	10	24	125,354.2	0.0	0.0	0.0	125,354.2	41
GEORGIA	42	2	5	6,339.7	0.0	0.0	0.0	6,339.7	42
MARYLAND	43	0	0	0.0	0.0	0.0	0.0	0.0	43
NORTH CAROLINA	44	1	1	0.0	0.0	0.0	0.0	0.0	44
SOUTH CAROLINA	45	0	0	0.0	0.0	0.0	0.0	0.0	45
VIRGINIA	46	2	2	62.0	0.0	0.0	266.0	328.0	46
WEST VIRGINIA	47	1	1	15.9	0.0	0.0	0.0	15.9	47
..... TOTAL	49	18	35	132,034.4	0.0	0.0	450.0	132,484.4	49
EAST SOUTH CENTRAL									
ALABAMA	52	2	4	3,758.9	0.0	0.0	0.0	3,758.9	52
KENTUCKY	53	2	4	562.5	0.0	0.0	0.0	562.5	53
MISSISSIPPI	54	3	6	34,747.6	0.0	0.0	0.0	34,747.6	54
TENNESSEE	55	0	0	0.0	0.0	0.0	0.0	0.0	55
..... TOTAL	57	7	14	39,069.0	0.0	0.0	0.0	39,069.0	57
WEST SOUTH CENTRAL									
ARKANSAS	60	3	8	6,751.6	0.0	0.0	0.0	6,751.6	60
LOUISIANA	61	14	26	339,294.3	0.0	0.0	0.0	339,294.3	61
OKLAHOMA	62	4	15	329,307.9	0.0	0.0	0.0	329,307.9	62
TEXAS	63	22	80	1,438,526.6	0.0	0.0	0.0	1,438,526.6	63
..... TOTAL	65	43	129	2,113,880.4	0.0	0.0	0.0	2,113,880.4	65
MOUNTAIN									
ARIZONA	68	4	11	19,582.0	0.0	0.0	0.0	19,582.0	68
COLORADO	69	4	12	28,130.5	0.0	0.0	0.0	28,130.5	69
IDAHO	70	0	0	0.0	0.0	0.0	0.0	0.0	70
MONTANA	71	2	3	734.6	0.0	0.0	0.0	734.6	71
NEVADA	72	3	5	31,345.9	0.0	0.0	0.0	31,345.9	72
NEW MEXICO	73	9	13	64,886.3	0.0	0.0	0.0	64,886.3	73
UTAH	74	1	2	4,649.0	0.0	0.0	0.0	4,649.0	74
WYOMING	75	1	1	73.0	0.0	0.0	0.0	73.0	75
..... TOTAL	77	24	47	149,401.4	0.0	0.0	0.0	149,401.4	77
PACIFIC									
CALIFORNIA	80	8	35	356,171.5	0.0	0.0	2,584.8	358,756.3	80
OREGON	81	1	1	894.8	0.0	0.0	0.0	894.8	81
WASHINGTON	82	0	0	0.0	0.0	0.0	0.0	0.0	82
..... TOTAL	84	9	36	357,066.3	0.0	0.0	2,584.8	359,651.1	84
UNITED STATES TOTAL	86	181	391	2,987,724.4	0.0	0.0	15,611.0	3,003,335.4	86

1/ LIQUEFIED NATURAL GAS
2/ SYNTHETIC NATURAL GAS
3/ INCLUDES SMALL QUANTITIES OF COKE OVEN GAS, REFINERY GAS AND BLAST FURNACE GAS

TABLE 10

AVERAGE DELIVERED PRICES OF GAS AT STEAM-ELECTRIC PLANTS, 1977

GEOGRAPHIC REGION AND STATE	LINE	QUANTITY AND PRICE BY TYPE OF PURCHASE: INTERRUPTIBLE GAS			FIRM GAS			OFF PEAK GAS			TOTAL GAS PURCHASES			LINE
		QUANTITY 1000 MCF	AVG. PRICE ¢ PER 10^6 BTU	AVG. PRICE $ PER MCF	QUANTITY 1000 MCF	AVG. PRICE ¢ PER 10^6 BTU	AVG. PRICE $ PER MCF	QUANTITY 1000 MCF	AVG. PRICE ¢ PER 10^6 BTU	AVG. PRICE $ PER MCF	QUANTITY 1000 MCF	AVG. PRICE ¢ PER 10^6 BTU	AVG. PRICE $ PER MCF	
NEW ENGLAND														
CONNECTICUT	2	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	2
MAINE	3	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	3
MASSACHUSETTS	4	3,128.2	187.6	1.88	0.0	0.0	0.00	0.0	0.0	0.00	3,128.2	187.6	1.88	4
NEW HAMPSHIRE	5	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	5
RHODE ISLAND	6	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	6
VERMONT	7	381.2	200.9	2.01	58.5	200.1	2.00	0.0	0.0	0.00	439.7	200.8	2.01	7
..... TOTAL	9	3,509.4	189.1	1.89	58.5	200.1	2.00	0.0	0.0	0.00	3,567.9	189.3	1.89	9
MIDDLE ATLANTIC														
NEW JERSEY	12	5,929.2	178.8	1.84	0.0	0.0	0.00	0.0	0.0	0.00	5,929.2	178.8	1.84	12
NEW YORK	13	1,943.5	133.8	1.37	0.0	0.0	0.00	1,406.0	148.7	1.53	3,349.5	140.0	1.44	13
PENNSYLVANIA	14	0.0	0.0	0.00	11.2	207.1	2.07	0.0	0.0	0.00	11.2	207.1	2.07	14
..... TOTAL	16	7,872.7	167.7	1.72	11.2	207.1	2.07	1,406.0	148.7	1.53	9,289.9	164.9	1.69	16
EAST NORTH CENTRAL														
ILLINOIS	19	4,498.1	176.0	1.81	3,241.2	206.5	2.13	233.0	144.9	1.49	7,972.3	187.5	1.93	19
INDIANA	20	170.3	108.4	1.09	418.7	153.8	1.55	0.0	0.0	0.00	589.0	140.6	1.42	20
MICHIGAN	21	12,234.6	154.8	0.34*	7,514.1	195.7	1.98	0.0	0.0	0.00	19,748.7	184.9	0.97	21
OHIO	22	279.5	175.6	1.33	1,731.9	140.2	0.75	492.3	116.6	1.17	2,503.7	137.7	0.90	22
WISCONSIN	23	2,207.3	181.8	1.85	61.3	179.3	1.83	0.0	0.0	0.00	2,268.6	181.7	1.85	23
..... TOTAL	25	19,389.9	170.3	0.88	12,967.2	192.9	1.84	725.3	125.9	1.27	33,082.4	181.0	1.26	25
WEST NORTH CENTRAL														
IOWA	28	8,267.1	131.8	1.34	3,700.5	125.9	1.26	0.0	0.0	0.00	11,967.6	130.0	1.31	28
KANSAS	29	102,154.0	100.5	0.99	12,656.4	107.9	1.00	0.0	0.0	0.00	114,810.5	101.2	0.99	29
MINNESOTA	30	2,858.3	112.1	1.12	315.2	98.7	0.70	0.0	0.0	0.00	3,173.4	111.1	1.08	30
MISSOURI	31	21,161.9	111.8	1.09	8.0	114.5	1.10	0.0	0.0	0.00	21,169.9	111.8	1.09	31
NEBRASKA	32	11,706.5	96.7	0.93	41.1	132.8	1.33	0.0	0.0	0.00	11,747.6	96.8	0.94	32
NORTH DAKOTA	33	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	33
SOUTH DAKOTA	34	36.0	120.5	1.20	4.0	117.1	1.11	0.0	0.0	0.00	40.0	120.2	1.19	34
..... TOTAL	36	146,183.9	103.8	1.02	16,725.2	112.1	1.05	0.0	0.0	0.00	162,909.0	104.6	1.02	36
SOUTH ATLANTIC														
DELAWARE	39	446.6	184.2	2.03	0.0	0.0	0.00	0.0	0.0	0.00	446.6	184.2	2.03	39
DISTRICT OF COLUMBIA	40	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	40
FLORIDA	41	24,039.7	109.2	1.19	101,314.5	83.1	0.83	0.0	0.0	0.00	125,354.2	88.4	0.90	41
GEORGIA	42	6,339.7	129.8	1.33	0.0	0.0	0.00	0.0	0.0	0.00	6,339.7	129.8	1.33	42
MARYLAND	43	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	43
NORTH CAROLINA	44	0.0	0.0	0.00	0.0	595.4	6.15	0.0	0.0	0.00	0.0	595.4	6.15	44
SOUTH CAROLINA	45	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	45
VIRGINIA	46	328.0	182.7	2.38	0.0	0.0	0.00	0.0	0.0	0.00	328.0	182.7	2.38	46
WEST VIRGINIA	47	7.2	197.8	1.98	8.7	196.9	1.97	0.0	0.0	0.00	15.9	197.3	1.97	47
..... TOTAL	49	31,161.1	115.2	1.24	101,323.2	83.1	0.83	0.0	0.0	0.00	132,484.4	91.1	0.93	49
EAST SOUTH CENTRAL														
ALABAMA	52	1,428.7	170.5	1.94	2,330.2	177.9	2.15	0.0	0.0	0.00	3,758.9	175.2	2.07	52
KENTUCKY	53	43.4	134.4	1.34	6.8	136.1	1.36	512.3	94.9	0.97	562.5	98.3	1.01	53
MISSISSIPPI	54	0.0	0.0	0.00	34,747.6	144.2	1.47	0.0	0.0	0.00	34,747.6	144.2	1.47	54
TENNESSEE	55	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	55
..... TOTAL	57	1,472.1	169.5	1.92	37,084.6	146.7	1.51	512.3	94.9	0.97	39,069.0	146.9	1.52	57
WEST SOUTH CENTRAL														
ARKANSAS	60	6,751.6	96.8	1.02	0.0	0.0	0.00	0.0	0.0	0.00	6,751.6	96.8	1.02	60
LOUISIANA	61	86,806.3	161.0	1.72	252,488.0	66.1	0.69	0.0	0.0	0.00	339,294.3	90.7	0.96	61
OKLAHOMA	62	6,825.5	141.7	1.46	322,482.5	129.3	1.35	0.0	0.0	0.00	329,307.9	129.6	1.36	62
TEXAS	63	188,785.7	156.0	1.58	1,249,740.9	118.2	1.22	0.0	0.0	0.00	1,438,526.6	123.1	1.26	63
..... TOTAL	65	289,169.0	155.8	1.60	1,824,711.3	112.9	1.17	0.0	0.0	0.00	2,113,880.4	118.7	1.23	65
MOUNTAIN														
ARIZONA	68	11,540.3	108.0	1.15	8,041.7	109.2	1.16	0.0	0.0	0.00	19,582.0	108.5	1.16	68
COLORADO	69	26,126.0	106.2	1.04	2,004.6	101.8	0.98	0.0	0.0	0.00	28,130.5	105.9	1.04	69
IDAHO	70	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	70
MONTANA	71	203.6	128.9	1.42	531.0	45.5	0.55	0.0	0.0	0.00	734.6	67.3	0.79	71
NEVADA	72	22,181.8	187.7	1.98	9,164.1	139.7	1.51	0.0	0.0	0.00	31,345.9	173.5	1.84	72
NEW MEXICO	73	53,933.3	142.1	1.46	10,953.0	152.1	1.55	0.0	0.0	0.00	64,886.3	143.8	1.48	73
UTAH	74	4,649.0	108.9	1.03	0.0	0.0	0.00	0.0	0.0	0.00	4,649.0	108.9	1.03	74
WYOMING	75	73.0	208.0	1.78	0.0	0.0	0.00	0.0	0.0	0.00	73.0	208.0	1.78	75
..... TOTAL	77	118,707.0	138.7	1.42	30,694.4	131.7	1.38	0.0	0.0	0.00	149,401.4	137.2	1.41	77
PACIFIC														
CALIFORNIA	80	358,698.3	209.7	2.22	58.0	157.9	1.65	0.0	0.0	0.00	358,756.3	209.7	2.22	80
OREGON	81	894.8	193.4	2.02	0.0	0.0	0.00	0.0	0.0	0.00	894.8	193.4	2.02	81
WASHINGTON	82	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	82
..... TOTAL	84	359,593.1	209.7	2.22	58.0	157.9	1.65	0.0	0.0	0.00	359,651.1	209.6	2.22	84
UNITED STATES TOTAL	86	977,058.1	165.8	1.70	2,023,633.7	112.8	1.16	2,643.6	132.0	1.35	3,003,335.4	130.0	1.34	86

* INCLUDES SMALL QUANTITIES OF BLAST FURNACE GAS AVERAGING 95 BTU'S PER CUBIC FOOT

TABLE 11

BASIC GAS STATISTICS DURING THE PAST

	LINE	MONTHLY SUMMARIES OF GAS PURCHASES						LINE
NATIONAL DATA		JANUARY 77	FEBRUARY 77	MARCH 77	APRIL 77	MAY 77	JUNE 77	
QNTY PURCHASED: FIRM 1000 MCF	1	159,073.0	140,231.4	149,690.4	138,430.4	165,147.4	190,867.8	1
INTERRUPTIBLE 1000 MCF	2	33,333.4	52,356.9	68,895.9	68,433.1	81,591.7	104,472.6	2
TOTAL 1000 MCF	3	192,406.5	192,588.3	218,586.3	206,863.5	246,739.1	295,340.4	3
TOTAL HEATING VAL,BILLION BTU	4	196,919.5	198,243.7	224,911.9	212,822.0	253,428.5	303,700.8	4
AVG. PRICE /MILLION BTU	5	111.1	123.5	121.1	125.6	125.6	130.5	5
TOTAL EST. GAS BILL, $1000	6	218,770.0	244,775.6	272,388.5	267,351.8	318,219.5	396,332.0	6
REGIONAL DATA								
NEW ENGLAND								
QNTY PURCHASED: FIRM 1000 MCF	12	0.0	0.0	0.0	58.5	0.0	0.0	12
INTERRUPTIBLE 1000 MCF	13	2.1	5.0	91.6	30.9	316.2	401.7	13
TOTAL 1000 MCF	14	2.1	5.0	91.6	89.4	316.2	401.7	14
TOTAL HEATING VAL,BILLION BTU	15	2.1	5.0	91.6	89.4	316.2	401.7	15
AVG. PRICE /MILLION BTU	16	200.1	200.1	200.1	200.1	195.9	193.9	16
TOTAL EST. GAS BILL, $1000	17	4.2	9.9	183.2	178.8	619.5	778.8	17
MIDDLE ATLANTIC								
QNTY PURCHASED: FIRM 1000 MCF	21	3.0	0.2	0.1	0.2	0.3	1.4	21
INTERRUPTIBLE 1000 MCF	22	224.7	112.3	83.6	64.4	116.4	464.7	22
TOTAL 1000 MCF	23	227.7	112.5	83.7	64.6	116.7	466.1	23
TOTAL HEATING VAL,BILLION BTU	24	233.4	115.9	86.0	66.7	120.3	473.3	24
AVG. PRICE /MILLION BTU	25	211.3	349.8	155.9	155.4	154.7	144.2	25
TOTAL EST. GAS BILL, $1000	26	493.1	405.3	134.1	103.7	186.1	682.4	26
EAST NORTH CENTRAL								
QNTY PURCHASED: FIRM 1000 MCF	30	872.9	329.1	522.2	648.8	1,279.5	1,091.8	30
INTERRUPTIBLE 1000 MCF	31	730.0	203.3	830.6	983.9	2,310.0	2,517.0	31
TOTAL 1000 MCF	32	1,602.9	532.4	1,352.8	1,632.7	3,589.5	3,608.8	32
TOTAL HEATING VAL,BILLION BTU	33	1,069.0	406.6	690.6	918.3	2,652.1	2,595.2	33
AVG. PRICE /MILLION BTU	34	190.5	175.7	181.0	190.2	177.6	177.4	34
TOTAL EST. GAS BILL, $1000	35	2,036.6	714.6	1,249.6	1,746.7	4,710.9	4,604.5	35
WEST NORTH CENTRAL								
QNTY PURCHASED: FIRM 1000 MCF	39	1,071.0	1,076.0	1,031.5	1,014.3	1,254.7	1,318.7	39
INTERRUPTIBLE 1000 MCF	40	3,963.9	5,096.7	4,962.8	6,035.8	14,536.7	17,911.2	40
TOTAL 1000 MCF	41	5,034.9	6,172.7	5,994.3	7,050.1	15,791.5	19,230.0	41
TOTAL HEATING VAL,BILLION BTU	42	4,889.2	5,983.9	5,833.4	6,888.5	15,447.8	18,798.4	42
AVG. PRICE /MILLION BTU	43	86.1	93.4	88.8	96.0	102.9	104.8	43
TOTAL EST. GAS BILL, $1000	44	4,210.1	5,591.1	5,181.9	6,614.4	15,900.9	19,708.4	44
SOUTH ATLANTIC								
QNTY PURCHASED: FIRM 1000 MCF	48	7,333.0	5,643.4	8,985.2	8,872.9	8,756.0	7,777.0	48
INTERRUPTIBLE 1000 MCF	49	127.6	342.8	1,701.4	2,837.1	3,448.2	3,343.3	49
TOTAL 1000 MCF	50	7,460.6	5,986.2	10,686.6	11,709.9	12,204.2	11,120.3	50
TOTAL HEATING VAL,BILLION BTU	51	7,557.5	6,126.1	10,914.3	11,959.6	12,454.2	11,392.1	51
AVG. PRICE /MILLION BTU	52	80.4	112.1	93.5	85.7	76.2	74.4	52
TOTAL EST. GAS BILL, $1000	53	6,076.3	6,868.8	10,208.0	10,244.7	9,486.4	8,481.3	53
EAST SOUTH CENTRAL								
QNTY PURCHASED: FIRM 1000 MCF	57	1,596.2	1,463.2	2,458.1	2,492.6	3,350.5	3,715.9	57
INTERRUPTIBLE 1000 MCF	58	4.1	2.4	6.5	135.4	142.2	17.9	58
TOTAL 1000 MCF	59	1,600.3	1,465.6	2,464.6	2,628.0	3,492.6	3,733.8	59
TOTAL HEATING VAL,BILLION BTU	60	1,604.7	1,477.2	2,557.4	2,740.1	3,597.3	3,864.8	60
AVG. PRICE /MILLION BTU	61	167.4	171.1	158.1	154.9	140.1	134.4	61
TOTAL EST. GAS BILL, $1000	62	2,687.1	2,528.0	4,041.9	4,245.1	5,038.9	5,194.4	62
WEST SOUTH CENTRAL								
QNTY PURCHASED: FIRM 1000 MCF	66	146,672.4	130,252.0	135,295.5	123,493.4	148,105.4	174,061.2	66
INTERRUPTIBLE 1000 MCF	67	18,169.4	18,942.4	23,388.7	21,960.1	24,507.8	30,816.6	67
TOTAL 1000 MCF	68	164,841.9	149,194.4	158,684.2	145,453.4	172,613.1	204,877.8	68
TOTAL HEATING VAL,BILLION BTU	69	169,440.4	153,511.2	163,424.2	149,946.1	178,248.6	211,596.0	69
AVG. PRICE /MILLION BTU	70	108.1	114.6	111.2	113.7	116.5	122.1	70
TOTAL EST. GAS BILL, $1000	71	183,133.1	175,987.3	181,709.1	170,493.0	207,595.3	258,260.7	71
MOUNTAIN								
QNTY PURCHASED: FIRM 1000 MCF	75	1,524.5	1,467.5	1,348.0	1,849.9	2,401.1	2,901.8	75
INTERRUPTIBLE 1000 MCF	76	4,192.3	5,455.7	8,254.1	10,057.9	10,770.4	12,674.6	76
TOTAL 1000 MCF	77	5,716.9	6,923.2	9,602.1	11,907.9	13,171.5	15,576.4	77
TOTAL HEATING VAL,BILLION BTU	78	5,873.4	7,096.6	9,839.8	12,238.0	13,568.5	15,996.4	78
AVG. PRICE /MILLION BTU	79	133.3	115.0	129.1	134.9	134.4	132.9	79
TOTAL EST. GAS BILL, $1000	80	7,830.5	8,157.7	12,705.3	16,511.4	18,236.3	21,266.1	80
PACIFIC								
QNTY PURCHASED: FIRM 1000 MCF	84	0.0	0.0	50.0	0.0	0.0	0.0	84
INTERRUPTIBLE 1000 MCF	85	5,919.3	22,196.3	29,576.6	26,327.6	25,443.8	36,325.6	85
TOTAL 1000 MCF	86	5,919.3	22,196.3	29,626.6	26,327.6	25,443.8	36,325.6	86
TOTAL HEATING VAL,BILLION BTU	87	6,249.7	23,521.2	31,474.6	27,975.2	27,023.6	38,583.0	87
AVG. PRICE /MILLION BTU	88	196.8	189.2	181.0	204.5	208.9	200.5	88
TOTAL EST. GAS BILL, $1000	89	12,299.2	44,512.9	56,975.2	57,214.3	56,445.2	77,355.2	89

NOTE: OFFPEAK IS OMITTED FROM THIS TABLE

TWELVE MONTHS FOR STEAM-ELECTRIC PLANTS, 1977

MONTHLY SUMMARIES OF GAS PURCHASES

LINE	JULY 77	AUGUST 77	SEPTEMBER 77	OCTOBER 77	NOVEMBER 77	DECEMBER 77	TOTAL	LINE	
									NATIONAL DATA
1	209,839.7	213,119.7	193,569.7	163,514.9	145,034.6	155,114.6	2,023,633.7	1	QNTY PURCHASED: FIRM 1000 MCF
2	111,361.4	117,121.5	114,751.3	101,433.2	74,042.7	49,264.4	977,058.1	2	INTERRUPTIBLE 1000 MCF
3	321,201.0	330,241.2	308,321.0	264,948.1	219,077.4	204,379.0	3,000,691.8	3	TOTAL 1000 MCF
4	330,147.3	341,265.0	316,810.6	273,923.9	226,175.5	210,634.2	3,088,982.8	4	TOTAL HEATING VAL,BILLION BTU
5	131.7	135.3	138.4	139.5	134.9	130.6	130.0	5	AVG. PRICE /MILLION BTU
6	434,847.5	461,880.6	438,445.0	382,086.4	305,073.0	275,059.8	4,015,229.8	6	TOTAL EST. GAS BILL, $1000
									REGIONAL DATA
									NEW ENGLAND
12	0.0	0.0	0.0	0.0	0.0	0.0	58.5	12	QNTY PURCHASED: FIRM 1000 MCF
13	568.1	691.8	581.7	431.1	361.2	28.2	3,509.4	13	INTERRUPTIBLE 1000 MCF
14	568.1	691.8	581.7	431.1	361.2	28.2	3,567.9	14	TOTAL 1000 MCF
15	568.1	692.0	581.8	431.1	361.2	28.2	3,568.1	15	TOTAL HEATING VAL,BILLION BTU
16	185.8	187.2	188.1	185.3	187.9	198.2	189.3	16	AVG. PRICE /MILLION BTU
17	1,055.3	1,295.7	1,094.2	798.6	678.6	55.8	6,752.6	17	TOTAL EST. GAS BILL, $1000
									MIDDLE ATLANTIC
21	2.9	1.0	0.5	0.0	0.0	1.6	11.2	21	QNTY PURCHASED: FIRM 1000 MCF
22	1,105.0	1,963.2	1,860.6	894.6	711.1	272.1	7,872.7	22	INTERRUPTIBLE 1000 MCF
23	1,107.9	1,964.2	1,861.1	894.6	711.1	273.7	7,883.9	23	TOTAL 1000 MCF
24	1,137.4	2,023.2	1,915.8	918.7	728.1	281.8	8,100.8	24	TOTAL HEATING VAL,BILLION BTU
25	168.2	166.4	167.3	167.4	154.6	155.0	167.8	25	AVG. PRICE /MILLION BTU
26	1,912.9	3,365.9	3,205.9	1,537.7	1,125.8	436.7	13,589.5	26	TOTAL EST. GAS BILL, $1000
									EAST NORTH CENTRAL
30	1,752.5	1,938.6	2,052.0	1,769.8	345.9	364.3	12,967.2	30	QNTY PURCHASED: FIRM 1000 MCF
31	3,205.7	3,094.1	3,227.7	1,174.2	621.7	491.6	19,389.9	31	INTERRUPTIBLE 1000 MCF
32	4,958.2	5,032.7	5,279.7	2,944.0	967.6	855.9	32,357.1	32	TOTAL 1000 MCF
33	3,579.5	3,201.9	3,311.4	2,406.3	770.3	738.3	22,339.4	33	TOTAL HEATING VAL,BILLION BTU
34	183.6	186.0	183.9	186.1	169.1	187.3	182.8	34	AVG. PRICE /MILLION BTU
35	6,572.6	5,956.2	6,089.0	4,477.8	1,302.4	1,383.1	40,843.9	35	TOTAL EST. GAS BILL, $1000
									WEST NORTH CENTRAL
39	1,896.1	2,039.0	2,962.6	1,024.9	1,014.6	1,021.9	16,725.2	39	QNTY PURCHASED: FIRM 1000 MCF
40	22,226.1	21,183.8	18,719.8	13,654.8	12,613.5	5,278.7	146,183.9	40	INTERRUPTIBLE 1000 MCF
41	24,122.2	23,222.8	21,682.3	14,679.7	13,628.1	6,300.6	162,909.0	41	TOTAL 1000 MCF
42	23,637.2	22,847.2	21,343.0	14,425.0	13,359.6	6,088.5	159,541.9	42	TOTAL HEATING VAL,BILLION BTU
43	106.7	106.8	109.0	103.8	110.3	117.3	104.6	43	AVG. PRICE /MILLION BTU
44	25,213.8	24,408.6	23,271.3	14,979.0	14,738.3	7,140.2	166,958.2	44	TOTAL EST. GAS BILL, $1000
									SOUTH ATLANTIC
48	7,136.8	9,028.3	8,936.0	9,498.5	9,848.2	9,508.0	101,323.2	48	QNTY PURCHASED: FIRM 1000 MCF
49	3,313.3	2,880.8	3,050.8	4,987.9	3,233.3	1,894.8	31,161.1	49	INTERRUPTIBLE 1000 MCF
50	10,450.1	11,909.1	11,986.8	14,486.4	13,081.5	11,402.8	132,484.4	50	TOTAL 1000 MCF
51	10,808.3	12,200.6	12,123.4	14,821.9	13,324.5	11,623.1	135,305.6	51	TOTAL HEATING VAL,BILLION BTU
52	91.1	100.9	91.7	94.2	102.5	94.6	91.1	52	AVG. PRICE /MILLION BTU
53	9,842.3	12,304.5	11,118.2	13,961.3	13,659.0	10,999.7	123,250.4	53	TOTAL EST. GAS BILL, $1000
									EAST SOUTH CENTRAL
57	4,842.2	3,971.1	4,263.4	3,532.2	3,020.5	2,378.9	37,084.6	57	QNTY PURCHASED: FIRM 1000 MCF
58	16.4	11.7	229.7	295.1	343.1	267.5	1,472.1	58	INTERRUPTIBLE 1000 MCF
59	4,858.7	3,982.8	4,493.1	3,827.3	3,363.6	2,646.4	38,556.7	59	TOTAL 1000 MCF
60	5,066.7	4,152.8	4,667.5	3,962.2	3,516.9	2,693.0	39,900.6	60	TOTAL HEATING VAL,BILLION BTU
61	148.5	150.0	135.8	142.0	156.3	146.8	147.6	61	AVG. PRICE /MILLION BTU
62	7,526.1	6,231.1	6,338.9	5,626.1	5,496.0	3,952.7	58,906.1	62	TOTAL EST. GAS BILL, $1000
									WEST SOUTH CENTRAL
66	191,307.0	191,993.3	171,153.1	143,661.6	128,311.1	140,405.2	1,824,711.3	66	QNTY PURCHASED: FIRM 1000 MCF
67	33,472.0	32,775.9	28,946.1	21,227.5	18,862.1	16,100.5	289,169.0	67	INTERRUPTIBLE 1000 MCF
68	224,779.0	224,769.2	200,099.2	164,889.1	147,173.3	156,505.7	2,113,880.4	68	TOTAL 1000 MCF
69	232,384.8	234,443.8	207,359.6	171,092.6	152,481.9	161,548.4	2,185,477.6	69	TOTAL HEATING VAL,BILLION BTU
70	122.5	123.7	123.7	122.5	120.1	120.2	118.7	70	AVG. PRICE /MILLION BTU
71	284,569.6	290,123.5	256,423.2	209,520.3	183,165.9	194,260.3	2,595,241.5	71	TOTAL EST. GAS BILL, $1000
									MOUNTAIN
75	2,894.1	4,148.5	4,202.1	4,027.9	2,494.3	1,434.7	30,694.4	75	QNTY PURCHASED: FIRM 1000 MCF
76	14,090.3	14,228.5	12,600.6	11,850.2	7,924.6	6,607.6	118,707.0	76	INTERRUPTIBLE 1000 MCF
77	16,984.4	18,377.0	16,802.7	15,878.1	10,418.9	8,042.3	149,401.4	77	TOTAL 1000 MCF
78	17,516.7	19,068.9	17,379.2	16,325.8	10,674.3	8,238.8	153,816.4	78	TOTAL HEATING VAL,BILLION BTU
79	133.3	130.7	149.8	136.9	155.5	159.2	137.2	79	AVG. PRICE /MILLION BTU
80	23,350.8	24,923.5	26,034.3	22,350.6	16,596.8	13,113.3	211,076.8	80	TOTAL EST. GAS BILL, $1000
									PACIFIC
84	8.0	0.0	0.0	0.0	0.0	0.0	58.0	84	QNTY PURCHASED: FIRM 1000 MCF
85	33,364.5	40,291.6	45,534.4	46,917.9	29,372.1	18,323.4	359,593.1	85	INTERRUPTIBLE 1000 MCF
86	33,372.5	40,291.6	45,534.4	46,917.9	29,372.1	18,323.4	359,651.1	86	TOTAL 1000 MCF
87	35,448.6	42,634.5	48,128.8	49,540.3	30,958.7	19,394.2	380,932.5	87	TOTAL HEATING VAL,BILLION BTU
88	211.0	218.8	217.9	219.7	220.6	225.4	209.6	88	AVG. PRICE /MILLION BTU
89	74,803.8	93,271.7	104,870.1	108,835.1	68,310.2	43,718.0	798,610.8	89	TOTAL EST. GAS BILL, $1000

TABLE 12

1977 FUEL OIL DELIVERIES FOR COMBUSTION TURBINE AND INTERNAL COMBUSTION UNITS

GEOGRAPHIC REGION AND STATE	LINE	NUMBER OF REPORTING		QUANTITY AND TYPE OF OIL RECEIVED IN THOUSANDS OF BARRELS							LINE
		COMPANIES	PLANTS	FUEL OIL NO. 2	FUEL OIL NO. 4 1/	FUEL OIL NO. 5 1/	FUEL OIL NO. 6	CRUDE OIL 2/	KEROSENE 3/	TOTAL	
NEW ENGLAND											
CONNECTICUT	2	3	6	4.7	0.0	0.0	0.0	0.0	40.2	44.9	2
MAINE	3	1	1	2.0	0.0	0.0	0.0	0.0	0.0	2.0	3
MASSACHUSETTS	4	7	12	186.9	0.0	0.0	0.0	0.0	17.1	204.0	4
NEW HAMPSHIRE	5	1	2	0.0	0.0	0.0	0.0	0.0	5.6	5.6	5
RHODE ISLAND	6	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6
VERMONT	7	2	2	1.7	0.0	0.0	0.0	0.0	11.9	13.6	7
..... TOTAL	9	14	23	195.4	0.0	0.0	0.0	0.0	74.8	270.2	9
MIDDLE ATLANTIC											
NEW JERSEY	12	5	22	2,263.8	0.0	0.0	0.0	0.0	2,407.7	4,671.5	12
NEW YORK	13	4	21	1,977.0	0.0	0.0	0.0	0.0	986.7	2,963.7	13
PENNSYLVANIA	14	5	29	3,322.9	0.0	0.0	0.0	0.0	0.0	3,322.9	14
..... TOTAL	16	14	72	7,563.8	0.0	0.0	0.0	0.0	3,394.4	10,958.1	16
EAST NORTH CENTRAL											
ILLINOIS	19	5	15	3,127.0	0.0	0.0	0.0	0.0	560.5	3,687.5	19
INDIANA	20	5	6	449.5	0.0	0.0	0.0	0.0	22.7	472.2	20
MICHIGAN	21	3	14	1,122.5	0.0	0.0	0.0	0.0	18.6	1,141.1	21
OHIO	22	10	24	2,884.2	0.0	0.0	0.0	0.0	220.4	3,104.6	22
WISCONSIN	23	5	10	1,261.5	0.0	0.0	0.0	0.0	42.9	1,304.4	23
..... TOTAL	25	28	69	8,844.7	0.0	0.0	0.0	0.0	865.2	9,709.8	25
WEST NORTH CENTRAL											
IOWA	28	1	2	209.0	0.0	0.0	0.0	0.0	0.0	209.0	28
KANSAS	29	3	5	514.9	0.0	0.0	0.0	0.0	0.0	514.9	29
MINNESOTA	30	3	7	594.5	0.0	0.0	0.0	0.0	0.0	594.5	30
MISSOURI	31	7	10	553.3	0.0	0.0	0.0	0.0	0.0	553.3	31
NEBRASKA	32	4	7	221.0	0.0	0.0	0.0	0.0	0.0	221.0	32
NORTH DAKOTA	33	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33
SOUTH DAKOTA	34	1	1	50.0	0.0	0.0	0.0	0.0	0.0	50.0	34
..... TOTAL	36	19	32	2,142.7	0.0	0.0	0.0	0.0	0.0	2,142.7	36
SOUTH ATLANTIC											
DELAWARE	39	1	2	68.7	0.0	0.0	0.0	0.0	0.0	68.7	39
DISTRICT OF COLUMBIA	40	1	1	103.0	0.0	0.0	0.0	0.0	0.0	103.0	40
FLORIDA	41	11	23	3,150.5	0.0	0.0	568.0	0.0	0.0	3,718.5	41
GEORGIA	42	1	2	108.5	0.0	0.0	0.0	0.0	0.0	108.5	42
MARYLAND	43	4	11	386.0	0.0	0.0	0.0	0.0	107.0	493.0	43
NORTH CAROLINA	44	3	10	570.6	0.0	0.0	0.0	0.0	0.0	570.6	44
SOUTH CAROLINA	45	4	10	1,204.4	0.0	0.0	0.0	0.0	0.0	1,204.4	45
VIRGINIA	46	2	7	1,130.0	0.0	0.0	0.0	0.0	0.0	1,130.0	46
WEST VIRGINIA	47	1	1	0.0	0.0	0.0	0.0	0.0	17.0	17.0	47
..... TOTAL	49	28	67	6,721.7	0.0	0.0	568.0	0.0	124.0	7,413.7	49
EAST SOUTH CENTRAL											
ALABAMA	52	2	4	919.0	0.0	0.0	0.0	0.0	0.0	919.0	52
KENTUCKY	53	2	3	126.4	0.0	0.0	0.0	0.0	0.0	126.4	53
MISSISSIPPI	54	2	2	117.3	0.0	0.0	0.0	0.0	0.0	117.3	54
TENNESSEE	55	1	3	4,110.2	0.0	0.0	0.0	0.0	0.0	4,110.2	55
..... TOTAL	57	7	12	5,272.8	0.0	0.0	0.0	0.0	0.0	5,272.8	57
WEST SOUTH CENTRAL											
ARKANSAS	60	2	5	162.3	0.0	0.0	0.0	0.0	0.0	162.3	60
LOUISIANA	61	5	5	12.2	0.0	0.0	0.0	0.0	0.0	12.2	61
OKLAHOMA	62	1	1	20.0	0.0	0.0	0.0	0.0	0.0	20.0	62
TEXAS	63	3	6	20.4	0.0	0.0	0.0	0.0	0.0	20.4	63
..... TOTAL	65	11	17	214.8	0.0	0.0	0.0	0.0	0.0	214.8	65
MOUNTAIN											
ARIZONA	68	3	8	1,951.3	0.0	0.0	0.0	0.0	0.0	1,951.3	68
COLORADO	69	1	4	165.2	0.0	0.0	0.0	0.0	0.0	165.2	69
IDAHO	70	1	1	2.8	0.0	0.0	0.0	0.0	0.0	2.8	70
MONTANA	71	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71
NEVADA	72	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	72
NEW MEXICO	73	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	73
UTAH	74	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	74
WYOMING	75	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	75
..... TOTAL	77	5	13	2,119.3	0.0	0.0	0.0	0.0	0.0	2,119.3	77
PACIFIC											
CALIFORNIA	80	7	19	568.8	0.0	0.0	0.0	0.0	1,898.3	2,467.1	80
OREGON	81	1	2	690.4	0.0	0.0	0.0	0.0	0.0	690.4	81
WASHINGTON	82	1	1	0.0	0.0	0.0	0.0	0.0	0.9	0.9	82
..... TOTAL	84	9	22	1,259.2	0.0	0.0	0.0	0.0	1,899.2	3,158.4	84
UNITED STATES TOTAL	86	135	327	34,334.2	0.0	0.0	568.0	0.0	6,357.5	41,259.7	86

1/ BLEND OF NO 2 AND NO 6 FUEL OIL
2/ INCLUDES SMALL QUANTITIES OF TOPPED CRUDE
3/ INCLUDES SMALL QUANTITIES OF JET-FUEL

TABLE 13

AVERAGE DELIVERED PRICES OF FUEL OIL FOR COMBUSTION TURBINE AND INTERNAL COMBUSTION UNITS, 1977

GEOGRAPHIC REGION AND STATE	LINE	PRICE OF ALL FUEL OIL BY TYPE OF PURCHASE						AVERAGE PRICES OF OTHER PRODUCTS								LINE
		CONTRACT PURCHASES 1000 BBLS.	AVG. CONTRACT PRICE ¢ PER 10^6 BTU	AVG. CONTRACT PRICE $ PER BBL.	SPOT PURCHASES 1000 BBLS.	AVG. SPOT PRICE ¢ PER 10^6 BTU	AVG. SPOT PRICE $ PER BBL.	FUEL OIL NO. 2 ¢ PER 10^6 BTU	FUEL OIL NO. 2 $ PER BBL.	FUEL OIL NO. 4 - NO. 5 ¢ PER 10^6 BTU	FUEL OIL NO. 4 - NO. 5 $ PER BBL.	CRUDE OIL ¢ PER 10^6 BTU	CRUDE OIL $ PER BBL.	KEROSENE ¢ PER 10^6 BTU	KEROSENE $ PER BBL.	
NEW ENGLAND																
CONNECTICUT	2	44.9	229.7	12.99	0.0	0.0	0.00	230.3	13.30	0.0	0.00	0.0	0.00	229.6	12.96	2
MAINE	3	0.0	0.0	0.00	2.0	283.4	16.66	283.4	16.66	0.0	0.00	0.0	0.00	0.0	0.00	3
MASSACHUSETTS	4	185.0	273.8	15.82	19.0	268.5	15.41	273.0	15.81	0.0	0.00	0.0	0.00	275.9	15.54	4
NEW HAMPSHIRE	5	3.6	293.6	16.53	2.0	277.1	15.90	0.0	0.00	0.0	0.00	0.0	0.00	287.6	16.31	5
RHODE ISLAND	6	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	6
VERMONT	7	11.9	322.0	18.19	1.7	280.6	16.18	280.6	16.18	0.0	0.00	0.0	0.00	322.0	18.19	7
..... TOTAL	9	245.4	268.4	15.43	24.7	271.3	15.61	272.2	15.76	0.0	0.00	0.0	0.00	259.3	14.63	9
MIDDLE ATLANTIC																
NEW JERSEY	12	4,066.8	272.5	15.55	604.7	278.7	16.06	267.2	15.45	0.0	0.00	0.0	0.00	279.1	15.76	12
NEW YORK	13	1,340.6	272.7	15.69	1,623.1	269.3	15.39	265.8	15.36	0.0	0.00	0.0	0.00	281.2	15.87	13
PENNSYLVANIA	14	2,407.7	275.1	15.89	915.3	300.5	17.34	282.1	16.29	0.0	0.00	0.0	0.00	0.0	0.00	14
..... TOTAL	16	7,815.1	273.3	15.68	3,143.0	280.2	16.09	273.4	15.80	0.0	0.00	0.0	0.00	279.7	15.79	16
EAST NORTH CENTRAL																
ILLINOIS	19	3,635.9	284.2	16.41	51.6	287.9	16.66	281.1	16.32	0.0	0.00	0.0	0.00	302.5	16.97	19
INDIANA	20	147.0	268.9	15.60	325.2	268.3	15.59	269.0	15.67	0.0	0.00	0.0	0.00	257.4	14.12	20
MICHIGAN	21	698.8	263.7	15.21	442.3	273.2	15.93	267.0	15.47	0.0	0.00	0.0	0.00	290.8	16.49	21
OHIO	22	2,122.9	278.9	16.06	981.7	287.0	16.46	279.6	16.11	0.0	0.00	0.0	0.00	306.5	17.15	22
WISCONSIN	23	416.2	258.8	15.06	888.2	263.9	15.40	262.3	15.30	0.0	0.00	0.0	0.00	263.5	15.16	23
..... TOTAL	25	7,020.8	278.7	16.09	2,689.1	274.8	15.92	275.5	15.96	0.0	0.00	0.0	0.00	300.1	16.84	25
WEST NORTH CENTRAL																
IOWA	28	0.0	0.0	0.00	209.0	267.8	15.47	267.8	15.47	0.0	0.00	0.0	0.00	0.0	0.00	28
KANSAS	29	0.0	0.0	0.00	514.9	259.5	14.75	259.5	14.75	0.0	0.00	0.0	0.00	0.0	0.00	29
MINNESOTA	30	320.0	262.0	15.38	274.5	263.9	15.31	262.8	15.35	0.0	0.00	0.0	0.00	0.0	0.00	30
MISSOURI	31	74.7	264.9	15.26	478.5	260.8	15.14	261.4	15.15	0.0	0.00	0.0	0.00	0.0	0.00	31
NEBRASKA	32	0.0	0.0	0.00	221.0	256.9	15.01	256.9	15.01	0.0	0.00	0.0	0.00	0.0	0.00	32
NORTH DAKOTA	33	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	33
SOUTH DAKOTA	34	48.2	297.7	16.88	1.8	294.9	16.72	297.6	16.87	0.0	0.00	0.0	0.00	0.0	0.00	34
..... TOTAL	36	443.0	266.2	15.52	1,699.7	261.3	15.07	262.3	15.17	0.0	0.00	0.0	0.00	0.0	0.00	36
SOUTH ATLANTIC																
DELAWARE	39	0.0	0.0	0.00	68.7	269.8	15.82	269.8	15.82	0.0	0.00	0.0	0.00	0.0	0.00	39
DISTRICT OF COLUMBIA	40	103.0	263.2	15.33	0.0	0.0	0.00	263.2	15.33	0.0	0.00	0.0	0.00	0.0	0.00	40
FLORIDA	41	2,456.8	253.1	14.87	1,261.7	261.3	15.22	261.9	15.21	0.0	0.00	0.0	0.00	0.0	0.00	41
GEORGIA	42	0.0	0.0	0.00	108.5	282.7	16.39	282.7	16.39	0.0	0.00	0.0	0.00	0.0	0.00	42
MARYLAND	43	458.0	267.2	15.41	35.0	262.1	15.16	264.8	15.37	0.0	0.00	0.0	0.00	274.1	15.48	43
NORTH CAROLINA	44	446.9	267.1	15.61	123.7	294.0	17.24	273.0	15.96	0.0	0.00	0.0	0.00	0.0	0.00	44
SOUTH CAROLINA	45	957.5	272.9	15.91	246.9	273.1	16.03	272.9	15.94	0.0	0.00	0.0	0.00	0.0	0.00	45
VIRGINIA	46	634.0	263.3	15.48	496.0	295.5	17.38	277.5	16.31	0.0	0.00	0.0	0.00	0.0	0.00	46
WEST VIRGINIA	47	13.0	293.7	16.69	4.0	323.3	18.37	0.0	0.00	0.0	0.00	0.0	0.00	300.7	17.09	47
..... TOTAL	49	5,069.2	260.9	15.27	2,344.6	272.9	15.94	268.1	15.62	0.0	0.00	0.0	0.00	277.8	15.70	49
EAST SOUTH CENTRAL																
ALABAMA	52	849.1	258.9	15.19	69.8	277.2	15.86	260.2	15.25	0.0	0.00	0.0	0.00	0.0	0.00	52
KENTUCKY	53	118.7	273.6	15.74	7.7	292.1	16.69	274.8	15.80	0.0	0.00	0.0	0.00	0.0	0.00	53
MISSISSIPPI	54	87.6	265.6	15.36	29.7	275.8	16.12	268.2	15.55	0.0	0.00	0.0	0.00	0.0	0.00	54
TENNESSEE	55	4,110.2	262.1	15.40	0.0	0.0	0.00	262.1	15.40	0.0	0.00	0.0	0.00	0.0	0.00	55
..... TOTAL	57	5,165.6	261.9	15.38	107.2	277.9	15.99	262.2	15.39	0.0	0.00	0.0	0.00	0.0	0.00	57
WEST SOUTH CENTRAL																
ARKANSAS	60	162.3	262.0	15.21	0.0	0.0	0.00	262.0	15.21	0.0	0.00	0.0	0.00	0.0	0.00	60
LOUISIANA	61	8.7	257.2	14.90	3.5	263.4	15.43	259.0	15.05	0.0	0.00	0.0	0.00	0.0	0.00	61
OKLAHOMA	62	0.0	0.0	0.00	20.0	253.9	14.67	253.9	14.67	0.0	0.00	0.0	0.00	0.0	0.00	62
TEXAS	63	0.1	182.2	10.71	20.3	255.5	14.81	255.2	14.79	0.0	0.00	0.0	0.00	0.0	0.00	63
..... TOTAL	65	171.0	261.7	15.19	43.8	255.4	14.80	260.4	15.11	0.0	0.00	0.0	0.00	0.0	0.00	65
MOUNTAIN																
ARIZONA	68	1,784.4	263.7	15.50	166.9	264.7	15.42	263.8	15.49	0.0	0.00	0.0	0.00	0.0	0.00	68
COLORADO	69	108.6	263.6	15.12	56.6	276.5	16.07	268.1	15.44	0.0	0.00	0.0	0.00	0.0	0.00	69
IDAHO	70	0.0	0.0	0.00	2.8	288.7	16.62	288.7	16.62	0.0	0.00	0.0	0.00	0.0	0.00	70
MONTANA	71	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	71
NEVADA	72	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	72
NEW MEXICO	73	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	73
UTAH	74	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	74
WYOMING	75	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	75
..... TOTAL	77	1,893.0	263.7	15.47	226.3	267.9	15.60	264.2	15.49	0.0	0.00	0.0	0.00	0.0	0.00	77
PACIFIC																
CALIFORNIA	80	2,215.6	264.4	15.20	251.5	265.5	14.97	272.1	15.91	0.0	0.00	0.0	0.00	262.1	14.96	80
OREGON	81	0.0	0.0	0.00	690.4	267.1	15.42	267.1	15.42	0.0	0.00	0.0	0.00	0.0	0.00	81
WASHINGTON	82	0.9	280.1	15.71	0.0	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0.00	280.1	15.71	82
..... TOTAL	84	2,216.5	264.4	15.20	941.9	266.7	15.30	269.4	15.64	0.0	0.00	0.0	0.00	262.2	14.96	84
UNITED STATES TOTAL	86	30,039.5	269.0	15.60	11,220.2	273.0	15.78	269.7	15.67	0.0	0.00	0.0	0.00	276.9	15.67	86

TABLE 14

BASIC FUEL OIL STATISTICS DURING THE PAST TWELVE

	LINE	MONTHLY SUMMARIES OF OIL PURCHASES						LINE
NATIONAL DATA		JANUARY 77	FEBRUARY 77	MARCH 77	APRIL 77	MAY 77	JUNE 77	
QUANTITY PURCHASED, 1000 BBLS	1	5,789.1	3,666.3	3,333.4	2,048.9	3,445.8	2,751.2	1
TOTAL HEATING VAL,BILLION BTU	2	33,420.7	21,232.9	19,276.4	11,909.3	19,921.8	16,011.4	2
AVG. S CONTENT, % BY WEIGHT	3	0.3	0.3	0.3	0.3	0.3	0.3	3
AVG. PRICE, /MILLION BTU	4	264.2	276.7	272.1	270.7	271.0	267.2	4
TOTAL EST. OIL BILL, $1000	5	88,304.3	58,743.8	52,447.6	32,236.6	53,990.4	42,779.2	5
REGIONAL DATA								
NEW ENGLAND								
QUANTITY PURCHASED, 1000 BBLS	11	70.8	5.1	8.6	13.8	18.2	20.8	11
TOTAL HEATING VAL,BILLION BTU	12	407.3	29.3	48.7	79.8	105.3	121.3	12
AVG. S CONTENT, % BY WEIGHT	13	0.1	0.2	0.2	0.1	0.1	0.1	13
AVG. PRICE, /MILLION BTU	14	259.8	268.6	241.9	263.3	275.1	276.6	14
TOTAL EST. OIL BILL, $1000	15	1,058.4	78.7	117.8	210.1	289.5	335.6	15
MIDDLE ATLANTIC								
QUANTITY PURCHASED, 1000 BBLS	19	2,001.9	1,116.7	830.4	301.7	960.6	572.0	19
TOTAL HEATING VAL,BILLION BTU	20	11,500.7	6,406.9	4,761.7	1,729.7	5,501.5	3,272.2	20
AVG. S CONTENT, % BY WEIGHT	21	0.1	0.2	0.1	0.1	0.1	0.1	21
AVG. PRICE, /MILLION BTU	22	267.3	291.7	284.8	279.1	274.1	274.1	22
TOTAL EST. OIL BILL, $1000	23	30,746.3	18,689.3	13,562.9	4,827.9	15,080.7	8,967.6	23
EAST NORTH CENTRAL								
QUANTITY PURCHASED, 1000 BBLS	27	1,503.8	952.7	593.9	623.1	763.9	607.8	27
TOTAL HEATING VAL,BILLION BTU	28	8,686.7	5,499.0	3,428.5	3,596.7	4,411.3	3,517.1	28
AVG. S CONTENT, % BY WEIGHT	29	0.3	0.3	0.3	0.3	0.3	0.3	29
AVG. PRICE, /MILLION BTU	30	268.5	278.7	279.9	279.0	279.5	272.4	30
TOTAL EST. OIL BILL, $1000	31	23,325.5	15,326.2	9,597.2	10,034.6	12,330.8	9,581.9	31
WEST NORTH CENTRAL								
QUANTITY PURCHASED, 1000 BBLS	35	310.9	190.1	357.4	111.5	19.8	178.2	35
TOTAL HEATING VAL,BILLION BTU	36	1,779.9	1,104.6	2,075.7	649.1	115.6	1,032.5	36
AVG. S CONTENT, % BY WEIGHT	37	0.3	0.4	0.5	0.4	0.3	0.3	37
AVG. PRICE, /MILLION BTU	38	252.3	257.0	267.6	270.1	264.4	263.9	38
TOTAL EST. OIL BILL, $1000	39	4,490.5	2,838.9	5,555.0	1,753.3	305.6	2,724.5	39
SOUTH ATLANTIC								
QUANTITY PURCHASED, 1000 BBLS	43	1,103.4	572.7	568.5	192.4	532.7	448.8	43
TOTAL HEATING VAL,BILLION BTU	44	6,439.9	3,337.8	3,321.5	1,143.1	3,119.1	2,638.6	44
AVG. S CONTENT, % BY WEIGHT	45	0.3	0.2	0.2	0.4	0.3	0.3	45
AVG. PRICE, /MILLION BTU	46	258.6	277.5	267.9	255.9	262.6	259.7	46
TOTAL EST. OIL BILL, $1000	47	16,650.4	9,262.4	8,897.1	2,925.7	8,191.7	6,852.5	47
EAST SOUTH CENTRAL								
QUANTITY PURCHASED, 1000 BBLS	51	450.8	448.0	142.3	120.6	382.2	581.7	51
TOTAL HEATING VAL,BILLION BTU	52	2,621.5	2,630.6	833.4	705.5	2,243.1	3,414.9	52
AVG. S CONTENT, % BY WEIGHT	53	0.7	0.7	0.6	0.7	0.7	0.7	53
AVG. PRICE, /MILLION BTU	54	264.6	261.9	263.2	257.8	263.9	261.5	54
TOTAL EST. OIL BILL, $1000	55	6,936.1	6,890.6	2,193.6	1,819.0	5,919.5	8,930.8	55
WEST SOUTH CENTRAL								
QUANTITY PURCHASED, 1000 BBLS	59	42.5	6.9	4.7	3.0	21.7	33.2	59
TOTAL HEATING VAL,BILLION BTU	60	243.5	39.7	27.3	17.5	126.2	196.6	60
AVG. S CONTENT, % BY WEIGHT	61	0.1	0.1	0.1	0.1	0.1	0.1	61
AVG. PRICE, /MILLION BTU	62	241.9	251.7	263.4	264.5	264.3	265.6	62
TOTAL EST. OIL BILL, $1000	63	589.0	100.0	71.9	46.4	333.5	522.2	63
MOUNTAIN								
QUANTITY PURCHASED, 1000 BBLS	67	126.5	310.9	493.9	198.9	206.0	168.2	67
TOTAL HEATING VAL,BILLION BTU	68	734.6	1,823.4	2,894.0	1,196.3	1,206.4	984.5	68
AVG. S CONTENT, % BY WEIGHT	69	0.3	0.2	0.2	0.2	0.2	0.2	69
AVG. PRICE, /MILLION BTU	70	254.5	253.2	257.5	262.9	270.6	275.5	70
TOTAL EST. OIL BILL, $1000	71	1,869.6	4,617.3	7,453.2	3,145.1	3,264.7	2,712.5	71
PACIFIC								
QUANTITY PURCHASED, 1000 BBLS	75	178.4	63.3	333.8	483.8	540.7	140.4	75
TOTAL HEATING VAL,BILLION BTU	76	1,006.6	361.6	1,885.7	2,791.6	3,093.4	833.5	76
AVG. S CONTENT, % BY WEIGHT	77	0.1	0.1	0.1	0.3	0.2	0.2	77
AVG. PRICE, /MILLION BTU	78	262.1	260.0	265.1	267.8	267.5	258.1	78
TOTAL EST. OIL BILL, $1000	79	2,638.4	940.3	4,999.0	7,474.5	8,274.3	2,151.6	79

MONTHS FOR COMBUSTION TURBINE AND INTERNAL COMBUSTION UNITS, 1977

MONTHLY SUMMARIES OF OIL PURCHASES

LINE	JULY 77	AUGUST 77	SEPTEMBER 77	OCTOBER 77	NOVEMBER 77	DECEMBER 77	TOTAL	LINE	
									NATIONAL DATA
1	6,788.4	4,255.0	2,614.8	1,603.6	1,661.0	3,302.3	41,259.7	1	QUANTITY PURCHASED, 1000 BBLS
2	39,385.5	24,695.1	15,162.6	9,253.3	9,657.7	19,125.9	239,052.7	2	TOTAL HEATING VAL,BILLION BTU
3	0.3	0.3	0.3	0.2	0.2	0.3	0.3	3	AVG. S CONTENT, % BY WEIGHT
4	269.0	268.2	269.7	270.7	273.3	275.2	270.1	4	AVG. PRICE, /MILLION BTU
5	105,947.5	66,225.1	40,895.8	25,045.4	26,397.6	52,640.3	645,653.5	5	TOTAL EST. OIL BILL, $1000
									REGIONAL DATA
									NEW ENGLAND
11	37.6	24.2	24.4	4.9	4.8	37.0	270.2	11	QUANTITY PURCHASED, 1000 BBLS
12	216.9	139.8	139.5	27.9	27.4	209.7	1,553.1	12	TOTAL HEATING VAL,BILLION BTU
13	0.1	0.1	0.1	0.2	0.1	0.1	0.1	13	AVG. S CONTENT, % BY WEIGHT
14	258.1	264.0	297.2	277.1	275.8	279.5	268.7	14	AVG. PRICE, /MILLION BTU
15	559.9	369.1	414.8	77.3	75.6	586.1	4,172.8	15	TOTAL EST. OIL BILL, $1000
									MIDDLE ATLANTIC
19	2,146.5	1,001.5	840.9	345.6	318.3	522.0	10,958.1	19	QUANTITY PURCHASED, 1000 BBLS
20	12,322.6	5,744.0	4,827.3	1,987.3	1,832.7	2,982.5	62,869.1	20	TOTAL HEATING VAL,BILLION BTU
21	0.1	0.2	0.1	0.1	0.1	0.1	0.1	21	AVG. S CONTENT, % BY WEIGHT
22	270.8	276.0	276.4	267.5	272.8	279.3	275.3	22	AVG. PRICE, /MILLION BTU
23	33,364.8	15,856.2	13,343.7	5,315.4	4,999.3	8,329.6	173,083.7	23	TOTAL EST. OIL BILL, $1000
									EAST NORTH CENTRAL
27	1,430.6	513.6	523.8	426.0	611.6	1,159.1	9,709.8	27	QUANTITY PURCHASED, 1000 BBLS
28	8,313.6	2,966.8	3,020.7	2,464.5	3,520.9	6,680.4	56,106.2	28	TOTAL HEATING VAL,BILLION BTU
29	0.3	0.3	0.2	0.2	0.2	0.2	0.3	29	AVG. S CONTENT, % BY WEIGHT
30	276.2	276.5	278.1	283.4	282.2	285.9	277.6	30	AVG. PRICE, /MILLION BTU
31	22,959.5	8,204.2	8,399.8	6,983.4	9,936.0	19,097.5	155,776.7	31	TOTAL EST. OIL BILL, $1000
									WEST NORTH CENTRAL
35	394.3	130.1	53.4	118.0	25.1	253.9	2,142.7	35	QUANTITY PURCHASED, 1000 BBLS
36	2,274.8	743.7	308.2	682.2	145.3	1,474.9	12,386.6	36	TOTAL HEATING VAL,BILLION BTU
37	0.3	0.2	0.2	0.3	0.3	0.3	0.3	37	AVG. S CONTENT, % BY WEIGHT
38	261.8	266.6	261.9	264.9	266.5	263.5	262.3	38	AVG. PRICE, /MILLION BTU
39	5,955.4	1,983.1	807.1	1,807.3	387.3	3,886.2	32,494.1	39	TOTAL EST. OIL BILL, $1000
									SOUTH ATLANTIC
43	1,214.7	1,008.1	575.7	236.1	471.8	488.8	7,413.7	43	QUANTITY PURCHASED, 1000 BBLS
44	7,091.6	5,888.7	3,376.6	1,371.4	2,770.1	2,870.8	43,369.1	44	TOTAL HEATING VAL,BILLION BTU
45	0.3	0.3	0.3	0.3	0.3	0.3	0.3	45	AVG. S CONTENT, % BY WEIGHT
46	266.1	267.9	258.9	261.4	266.2	267.3	264.7	46	AVG. PRICE, /MILLION BTU
47	18,868.2	15,776.4	8,742.7	3,584.5	7,374.3	7,674.5	114,800.3	47	TOTAL EST. OIL BILL, $1000
									EAST SOUTH CENTRAL
51	947.7	1,049.9	385.0	83.4	98.6	582.5	5,272.8	51	QUANTITY PURCHASED, 1000 BBLS
52	5,579.4	6,166.0	2,261.9	489.1	580.8	3,419.0	30,945.2	52	TOTAL HEATING VAL,BILLION BTU
53	0.7	0.7	0.7	0.6	0.7	0.7	0.7	53	AVG. S CONTENT, % BY WEIGHT
54	262.4	257.7	266.0	266.3	268.4	264.6	262.2	54	AVG. PRICE, /MILLION BTU
55	14,641.2	15,889.2	6,016.3	1,302.8	1,558.8	9,046.9	81,144.8	55	TOTAL EST. OIL BILL, $1000
									WEST SOUTH CENTRAL
59	50.6	30.5	5.4	5.5	2.1	8.6	214.8	59	QUANTITY PURCHASED, 1000 BBLS
60	295.8	175.5	31.3	31.6	12.2	49.1	1,246.3	60	TOTAL HEATING VAL,BILLION BTU
61	0.1	0.2	0.1	0.1	0.1	0.1	0.1	61	AVG. S CONTENT, % BY WEIGHT
62	267.3	262.7	269.7	259.4	269.5	268.6	260.4	62	AVG. PRICE, /MILLION BTU
63	790.7	460.9	84.3	82.0	33.0	131.9	3,245.6	63	TOTAL EST. OIL BILL, $1000
									MOUNTAIN
67	230.4	123.1	26.6	146.2	19.7	68.9	2,119.3	67	QUANTITY PURCHASED, 1000 BBLS
68	1,346.6	720.9	154.9	852.5	113.4	397.3	12,424.7	68	TOTAL HEATING VAL,BILLION BTU
69	0.2	0.3	0.3	0.3	0.3	0.3	0.2	69	AVG. S CONTENT, % BY WEIGHT
70	273.4	271.8	279.5	272.3	279.0	263.7	264.2	70	AVG. PRICE, /MILLION BTU
71	3,681.2	1,959.5	432.8	2,321.8	316.3	1,047.8	32,821.9	71	TOTAL EST. OIL BILL, $1000
									PACIFIC
75	335.9	373.9	179.6	238.1	108.9	181.6	3,158.4	75	QUANTITY PURCHASED, 1000 BBLS
76	1,944.1	2,149.6	1,042.3	1,346.7	655.0	1,042.2	18,152.3	76	TOTAL HEATING VAL,BILLION BTU
77	0.2	0.1	0.1	0.1	0.2	0.1	0.2	77	AVG. S CONTENT, % BY WEIGHT
78	263.7	266.4	254.7	265.2	262.2	272.5	265.1	78	AVG. PRICE, /MILLION BTU
79	5,126.7	5,726.5	2,654.4	3,570.9	1,717.2	2,839.8	48,113.6	79	TOTAL EST. OIL BILL, $1000

TABLE 16

1977 GAS DELIVERIES FOR COMBUSTION TURBINE AND INTERNAL COMBUSTION UNITS

GEOGRAPHIC REGION AND STATE	LINE	NUMBER OF REPORTING		QUANTITY AND TYPE OF GAS RECEIVED IN THOUSANDS OF MCF					LINE
		COMPANIES	PLANTS	NATURAL GAS	LNG 1/	SNG 2/	OTHER 3/	TOTAL	
NEW ENGLAND									
CONNECTICUT	2	0	0	0.0	0.0	0.0	0.0	0.0	2
MAINE	3	0	0	0.0	0.0	0.0	0.0	0.0	3
MASSACHUSETTS	4	1	1	14.6	0.0	0.0	0.0	14.6	4
NEW HAMPSHIRE	5	0	0	0.0	0.0	0.0	0.0	0.0	5
RHODE ISLAND	6	0	0	0.0	0.0	0.0	0.0	0.0	6
VERMONT	7	0	0	0.0	0.0	0.0	0.0	0.0	7
..... TOTAL	9	1	1	14.6	0.0	0.0	0.0	14.6	9
MIDDLE ATLANTIC									
NEW JERSEY	12	2	7	1,089.8	0.0	0.0	0.0	1,089.8	12
NEW YORK	13	2	3	582.7	0.0	0.0	0.0	582.7	13
PENNSYLVANIA	14	0	0	0.0	0.0	0.0	0.0	0.0	14
..... TOTAL	16	4	10	1,672.5	0.0	0.0	0.0	1,672.5	16
EAST NORTH CENTRAL									
ILLINOIS	19	3	5	3,130.4	0.0	0.0	0.0	3,130.4	19
INDIANA	20	1	1	155.0	0.0	0.0	0.0	155.0	20
MICHIGAN	21	3	8	11,286.9	0.0	0.0	0.0	11,286.9	21
OHIO	22	2	2	350.1	0.0	0.0	0.0	350.1	22
WISCONSIN	23	5	8	2,295.2	0.0	0.0	0.0	2,295.2	23
..... TOTAL	25	14	24	17,217.6	0.0	0.0	0.0	17,217.6	25
WEST NORTH CENTRAL									
IOWA	28	2	2	762.8	0.0	0.0	0.0	762.8	28
KANSAS	29	3	5	2,944.3	0.0	0.0	0.0	2,944.3	29
MINNESOTA	30	1	1	22.0	0.0	0.0	0.0	22.0	30
MISSOURI	31	2	2	1,952.8	0.0	0.0	0.0	1,952.8	31
NEBRASKA	32	2	2	15.1	0.0	0.0	0.0	15.1	32
NORTH DAKOTA	33	0	0	0.0	0.0	0.0	0.0	0.0	33
SOUTH DAKOTA	34	0	0	0.0	0.0	0.0	0.0	0.0	34
..... TOTAL	36	10	12	5,697.0	0.0	0.0	0.0	5,697.0	36
SOUTH ATLANTIC									
DELAWARE	39	0	0	0.0	0.0	0.0	0.0	0.0	39
DISTRICT OF COLUMBIA	40	0	0	0.0	0.0	0.0	0.0	0.0	40
FLORIDA	41	6	9	6,034.3	0.0	0.0	0.0	6,034.3	41
GEORGIA	42	1	1	3.0	0.0	0.0	0.0	3.0	42
MARYLAND	43	2	2	61.4	0.0	0.0	0.0	61.4	43
NORTH CAROLINA	44	1	2	0.1	0.0	0.0	0.0	0.1	44
SOUTH CAROLINA	45	0	0	0.0	0.0	0.0	0.0	0.0	45
VIRGINIA	46	1	3	603.0	0.0	0.0	335.0	938.0	46
WEST VIRGINIA	47	0	0	0.0	0.0	0.0	0.0	0.0	47
..... TOTAL	49	11	17	6,701.7	0.0	0.0	335.0	7,036.7	49
EAST SOUTH CENTRAL									
ALABAMA	52	0	0	0.0	0.0	0.0	0.0	0.0	52
KENTUCKY	53	2	4	161.8	0.0	0.0	0.0	161.8	53
MISSISSIPPI	54	1	1	3,380.9	0.0	0.0	0.0	3,380.9	54
TENNESSEE	55	0	0	0.0	0.0	0.0	0.0	0.0	55
..... TOTAL	57	3	5	3,542.7	0.0	0.0	0.0	3,542.7	57
WEST SOUTH CENTRAL									
ARKANSAS	60	0	0	0.0	0.0	0.0	0.0	0.0	60
LOUISIANA	61	2	3	2,820.1	0.0	0.0	0.0	2,820.1	61
OKLAHOMA	62	1	5	3,520.0	0.0	0.0	0.0	3,520.0	62
TEXAS	63	6	14	35,962.4	0.0	0.0	0.0	35,962.4	63
..... TOTAL	65	9	22	42,302.5	0.0	0.0	0.0	42,302.5	65
MOUNTAIN									
ARIZONA	68	4	9	9,688.6	0.0	0.0	0.0	9,688.6	68
COLORADO	69	1	4	5,090.5	0.0	0.0	0.0	5,090.5	69
IDAHO	70	1	1	676.0	0.0	0.0	0.0	676.0	70
MONTANA	71	0	0	0.0	0.0	0.0	0.0	0.0	71
NEVADA	72	0	0	0.0	0.0	0.0	0.0	0.0	72
NEW MEXICO	73	2	2	1,637.0	0.0	0.0	0.0	1,637.0	73
UTAH	74	0	0	0.0	0.0	0.0	0.0	0.0	74
WYOMING	75	0	0	0.0	0.0	0.0	0.0	0.0	75
..... TOTAL	77	8	16	17,092.1	0.0	0.0	0.0	17,092.1	77
PACIFIC									
CALIFORNIA	80	2	4	328.0	0.0	0.0	0.0	328.0	80
OREGON	81	1	2	52.7	0.0	0.0	0.0	52.7	81
WASHINGTON	82	0	0	0.0	0.0	0.0	0.0	0.0	82
..... TOTAL	84	3	6	380.7	0.0	0.0	0.0	380.7	84
UNITED STATES TOTAL	86	63	113	94,621.4	0.0	0.0	335.0	94,956.4	86

1/ LIQUEFIED NATURAL GAS
2/ SYNTHETIC NATURAL GAS
3/ INCLUDES SMALL QUANTITIES OF COKE OVEN GAS, REFINERY GAS AND BLAST FURNACE GAS

TABLE 16

AVERAGE DELIVERED PRICES OF GAS FOR COMBUSTION TURBINE AND INTERNAL COMBUSTION UNITS, 1977

GEOGRAPHIC REGION AND STATE	LINE	QUANTITY AND PRICE BY TYPE OF PURCHASE												LINE
		INTERRUPTIBLE GAS			FIRM GAS			OFF PEAK GAS			TOTAL GAS PURCHASES			
		QUANTITY 1000 MCF	AVG. PRICE ¢ PER 10^6 BTU	AVG. PRICE $ PER MCF	QUANTITY 1000 MCF	AVG. PRICE ¢ PER 10^6 BTU	AVG. PRICE $ PER MCF	QUANTITY 1000 MCF	AVG. PRICE ¢ PER 10^6 BTU	AVG. PRICE $ PER MCF	QUANTITY 1000 MCF	AVG. PRICE ¢ PER 10^6 BTU	AVG. PRICE $ PER MCF	
NEW ENGLAND														
CONNECTICUT	2	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	2
MAINE	3	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	3
MASSACHUSETTS	4	14.6	195.0	1.95	0.0	0.0	0.00	0.0	0.0	0.00	14.6	195.0	1.95	4
NEW HAMPSHIRE	5	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	5
RHODE ISLAND	6	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	6
VERMONT	7	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	7
..... TOTAL	9	14.6	195.0	1.95	0.0	0.0	0.00	0.0	0.0	0.00	14.6	195.0	1.95	9
MIDDLE ATLANTIC														
NEW JERSEY	12	1,089.8	177.5	1.82	0.0	0.0	0.00	0.0	0.0	0.00	1,089.8	177.5	1.82	12
NEW YORK	13	68.7	135.1	1.39	0.0	0.0	0.00	514.0	146.7	1.51	582.7	145.3	1.50	13
PENNSYLVANIA	14	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	14
..... TOTAL	16	1,158.5	175.0	1.80	0.0	0.0	0.00	514.0	146.7	1.51	1,672.5	166.3	1.71	16
EAST NORTH CENTRAL														
ILLINOIS	19	1,361.0	127.4	1.31	1,769.4	182.1	1.86	0.0	0.0	0.00	3,130.4	158.3	1.62	19
INDIANA	20	155.0	106.4	1.07	0.0	0.0	0.00	0.0	0.0	0.00	155.0	106.4	1.07	20
MICHIGAN	21	2,264.7	165.0	1.65	9,022.2	200.7	2.02	0.0	0.0	0.00	11,286.9	193.6	1.95	21
OHIO	22	220.9	178.1	1.83	0.0	0.0	0.00	129.2	116.8	1.17	350.1	155.9	1.59	22
WISCONSIN	23	2,295.2	168.0	1.70	0.0	0.0	0.00	0.0	0.0	0.00	2,295.2	168.0	1.70	23
..... TOTAL	25	6,296.8	156.9	1.59	10,791.6	197.6	1.99	129.2	116.8	1.17	17,217.6	182.1	1.84	25
WEST NORTH CENTRAL														
IOWA	28	762.8	127.8	1.30	0.0	0.0	0.00	0.0	0.0	0.00	762.8	127.8	1.30	28
KANSAS	29	2,944.3	101.9	1.03	0.0	0.0	0.00	0.0	0.0	0.00	2,944.3	101.9	1.03	29
MINNESOTA	30	22.0	109.5	1.09	0.0	0.0	0.00	0.0	0.0	0.00	22.0	109.5	1.09	30
MISSOURI	31	1,952.8	109.7	1.08	0.0	0.0	0.00	0.0	0.0	0.00	1,952.8	109.7	1.08	31
NEBRASKA	32	15.1	106.6	1.05	0.0	0.0	0.00	0.0	0.0	0.00	15.1	106.6	1.05	32
NORTH DAKOTA	33	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	33
SOUTH DAKOTA	34	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	34
..... TOTAL	36	5,697.0	108.1	1.08	0.0	0.0	0.00	0.0	0.0	0.00	5,697.0	108.1	1.08	36
SOUTH ATLANTIC														
DELAWARE	39	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	39
DISTRICT OF COLUMBIA	40	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	40
FLORIDA	41	420.3	91.4	0.94	5,614.0	70.5	0.71	0.0	0.0	0.00	6,034.3	72.0	0.72	41
GEORGIA	42	3.0	180.0	1.84	0.0	0.0	0.00	0.0	0.0	0.00	3.0	180.0	1.84	42
MARYLAND	43	61.4	208.0	2.08	0.0	0.0	0.00	0.0	0.0	0.00	61.4	208.0	2.08	43
NORTH CAROLINA	44	0.1	412.5	4.26	0.0	0.0	0.00	0.0	0.0	0.00	0.1	412.5	4.26	44
SOUTH CAROLINA	45	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	45
VIRGINIA	46	938.0	156.1	1.76	0.0	0.0	0.00	0.0	0.0	0.00	938.0	156.1	1.76	46
WEST VIRGINIA	47	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	47
..... TOTAL	49	1,422.7	140.3	1.53	5,614.0	70.5	0.71	0.0	0.0	0.00	7,036.7	85.7	0.87	49
EAST SOUTH CENTRAL														
ALABAMA	52	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	52
KENTUCKY	53	94.8	179.2	1.79	0.0	0.0	0.00	67.0	93.9	0.96	161.8	143.4	1.45	53
MISSISSIPPI	54	0.0	0.0	0.00	3,380.9	41.0	0.42	0.0	0.0	0.00	3,380.9	41.0	0.42	54
TENNESSEE	55	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	55
..... TOTAL	57	94.8	179.2	1.79	3,380.9	41.0	0.42	67.0	93.9	0.96	3,542.7	45.5	0.47	57
WEST SOUTH CENTRAL														
ARKANSAS	60	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	60
LOUISIANA	61	105.1	147.0	1.47	2,715.0	118.3	1.23	0.0	0.0	0.00	2,820.1	119.3	1.24	61
OKLAHOMA	62	13.1	160.0	1.66	3,506.9	124.4	1.29	0.0	0.0	0.00	3,520.0	124.5	1.29	62
TEXAS	63	3,629.5	162.3	1.69	32,332.9	72.0	0.73	0.0	0.0	0.00	35,962.4	81.3	0.83	63
..... TOTAL	65	3,747.7	161.9	1.68	38,554.8	80.2	0.82	0.0	0.0	0.00	42,302.5	87.5	0.89	65
MOUNTAIN														
ARIZONA	68	7,682.6	105.5	1.12	2,006.0	110.8	1.18	0.0	0.0	0.00	9,688.6	106.6	1.13	68
COLORADO	69	5,090.5	95.6	0.98	0.0	0.0	0.00	0.0	0.0	0.00	5,090.5	95.6	0.98	69
IDAHO	70	676.0	193.7	2.04	0.0	0.0	0.00	0.0	0.0	0.00	676.0	193.7	2.04	70
MONTANA	71	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	71
NEVADA	72	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	72
NEW MEXICO	73	1,637.0	159.6	1.65	0.0	0.0	0.00	0.0	0.0	0.00	1,637.0	159.6	1.65	73
UTAH	74	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	74
WYOMING	75	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	75
..... TOTAL	77	15,086.1	112.0	1.17	2,006.0	110.8	1.18	0.0	0.0	0.00	17,092.1	111.9	1.17	77
PACIFIC														
CALIFORNIA	80	328.0	230.0	2.42	0.0	0.0	0.00	0.0	0.0	0.00	328.0	230.0	2.42	80
OREGON	81	52.7	198.3	2.05	0.0	0.0	0.00	0.1	349.3	3.66	52.7	198.5	2.06	81
WASHINGTON	82	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	0.0	0.0	0.00	82
..... TOTAL	84	380.7	225.7	2.37	0.0	0.0	0.00	0.1	349.3	3.66	380.7	225.7	2.37	84
UNITED STATES TOTAL	86	33,899.0	130.0	1.34	60,347.2	98.9	1.01	710.3	136.4	1.40	94,956.4	110.4	1.13	86

TABLE 17

BASIC GAS STATISTICS DURING THE PAST TWELVE

	LINE	MONTHLY SUMMARIES OF GAS PURCHASES						LINE
NATIONAL DATA		JANUARY 77	FEBRUARY 77	MARCH 77	APRIL 77	MAY 77	JUNE 77	
QNTY PURCHASED: FIRM 1000 MCF	1	5,880.1	2,301.1	3,608.6	3,174.0	2,963.9	4,863.3	1
INTERRUPTIBLE 1000 MCF	2	777.6	884.9	2,750.1	3,514.9	3,132.2	3,329.8	2
TOTAL 1000 MCF	3	6,657.6	3,186.0	6,358.7	6,688.8	6,096.1	8,193.0	3
TOTAL HEATING VAL,BILLION BTU	4	6,747.9	3,226.9	6,523.8	6,858.3	6,225.8	8,351.6	4
AVG. PRICE /MILLION BTU	5	119.7	117.9	115.9	129.8	113.5	104.0	5
TOTAL EST. GAS BILL, $1000	6	8,074.2	3,804.6	7,560.1	8,901.9	7,067.4	8,687.0	6
REGIONAL DATA								
NEW ENGLAND								
QNTY PURCHASED: FIRM 1000 MCF	12	0.0	0.0	0.0	0.0	0.0	0.0	12
INTERRUPTIBLE 1000 MCF	13	0.0	0.0	0.0	0.0	0.0	0.0	13
TOTAL 1000 MCF	14	0.0	0.0	0.0	0.0	0.0	0.0	14
TOTAL HEATING VAL,BILLION BTU	15	0.0	0.0	0.0	0.0	0.0	0.0	15
AVG. PRICE /MILLION BTU	16	0.0	0.0	0.0	0.0	0.0	0.0	16
TOTAL EST. GAS BILL, $1000	17	0.0	0.0	0.0	0.0	0.0	0.0	17
MIDDLE ATLANTIC								
QNTY PURCHASED: FIRM 1000 MCF	21	0.0	0.0	0.0	0.0	0.0	0.0	21
INTERRUPTIBLE 1000 MCF	22	16.5	3.9	1.7	1.2	8.0	2.3	22
TOTAL 1000 MCF	23	16.5	3.9	1.7	1.2	8.0	2.3	23
TOTAL HEATING VAL,BILLION BTU	24	17.0	4.0	1.8	1.3	8.2	2.4	24
AVG. PRICE /MILLION BTU	25	333.9	355.5	199.7	187.7	170.2	151.9	25
TOTAL EST. GAS BILL, $1000	26	56.8	14.3	3.5	2.4	14.0	3.6	26
EAST NORTH CENTRAL								
QNTY PURCHASED: FIRM 1000 MCF	30	1,593.6	810.9	1,007.9	1,133.3	1,059.8	528.7	30
INTERRUPTIBLE 1000 MCF	31	324.5	21.8	321.5	391.4	767.2	593.7	31
TOTAL 1000 MCF	32	1,918.1	832.7	1,329.4	1,524.7	1,827.0	1,122.3	32
TOTAL HEATING VAL,BILLION BTU	33	1,932.3	836.7	1,346.7	1,538.3	1,838.3	1,134.0	33
AVG. PRICE /MILLION BTU	34	203.6	188.5	184.2	211.0	155.9	191.2	34
TOTAL EST. GAS BILL, $1000	35	3,933.2	1,576.9	2,480.8	3,245.7	2,866.5	2,167.7	35
WEST NORTH CENTRAL								
QNTY PURCHASED: FIRM 1000 MCF	39	0.0	0.0	0.0	0.0	0.0	0.0	39
INTERRUPTIBLE 1000 MCF	40	0.0	53.5	163.8	502.4	762.5	878.9	40
TOTAL 1000 MCF	41	0.0	53.5	163.8	502.4	762.5	878.9	41
TOTAL HEATING VAL,BILLION BTU	42	0.0	54.9	165.4	501.8	770.2	879.8	42
AVG. PRICE /MILLION BTU	43	0.0	91.9	98.4	107.4	111.4	108.9	43
TOTAL EST. GAS BILL, $1000	44	0.0	50.5	162.8	539.1	858.2	958.5	44
SOUTH ATLANTIC								
QNTY PURCHASED: FIRM 1000 MCF	48	532.0	138.0	150.0	121.0	192.0	1,378.0	48
INTERRUPTIBLE 1000 MCF	49	18.0	0.0	11.7	37.4	53.3	129.4	49
TOTAL 1000 MCF	50	550.0	138.0	161.7	158.4	245.3	1,507.4	50
TOTAL HEATING VAL,BILLION BTU	51	552.8	140.7	162.5	160.4	247.1	1,514.3	51
AVG. PRICE /MILLION BTU	52	95.4	133.0	80.6	81.7	62.7	56.4	52
TOTAL EST. GAS BILL, $1000	53	527.4	187.2	131.0	131.1	154.9	853.8	53
EAST SOUTH CENTRAL								
QNTY PURCHASED: FIRM 1000 MCF	57	350.1	288.9	326.4	313.1	315.3	295.2	57
INTERRUPTIBLE 1000 MCF	58	0.0	0.0	0.0	1.2	11.9	12.6	58
TOTAL 1000 MCF	59	350.1	288.9	326.4	314.3	327.2	307.8	59
TOTAL HEATING VAL,BILLION BTU	60	358.2	296.4	336.5	325.9	341.3	320.5	60
AVG. PRICE /MILLION BTU	61	35.0	40.2	39.8	41.0	45.7	45.2	61
TOTAL EST. GAS BILL, $1000	62	125.4	119.2	133.9	133.6	156.1	144.7	62
WEST SOUTH CENTRAL								
QNTY PURCHASED: FIRM 1000 MCF	66	3,403.7	1,063.1	2,065.3	1,287.6	1,240.9	2,428.4	66
INTERRUPTIBLE 1000 MCF	67	184.8	9.2	347.8	304.2	291.3	361.2	67
TOTAL 1000 MCF	68	3,588.5	1,072.3	2,413.1	1,591.8	1,532.2	2,789.6	68
TOTAL HEATING VAL,BILLION BTU	69	3,644.8	1,057.0	2,448.1	1,588.0	1,553.9	2,837.7	69
AVG. PRICE /MILLION BTU	70	85.2	95.2	93.1	105.0	98.4	95.6	70
TOTAL EST. GAS BILL, $1000	71	3,105.8	1,005.9	2,279.2	1,667.5	1,529.6	2,713.0	71
MOUNTAIN								
QNTY PURCHASED: FIRM 1000 MCF	75	0.7	0.3	59.0	319.0	156.0	233.0	75
INTERRUPTIBLE 1000 MCF	76	233.8	790.5	1,894.7	2,274.1	1,232.0	1,335.8	76
TOTAL 1000 MCF	77	234.5	790.8	1,953.7	2,593.1	1,388.0	1,568.8	77
TOTAL HEATING VAL,BILLION BTU	78	242.9	830.7	2,053.1	2,739.4	1,460.4	1,645.9	78
AVG. PRICE /MILLION BTU	79	134.1	101.1	114.6	116.0	101.1	110.3	79
TOTAL EST. GAS BILL, $1000	80	325.6	839.8	2,353.0	3,176.9	1,476.0	1,815.8	80
PACIFIC								
QNTY PURCHASED: FIRM 1000 MCF	84	0.0	0.0	0.0	0.0	0.0	0.0	84
INTERRUPTIBLE 1000 MCF	85	0.0	6.0	9.0	3.0	6.0	16.0	85
TOTAL 1000 MCF	86	0.0	6.0	9.0	3.0	6.0	16.0	86
TOTAL HEATING VAL,BILLION BTU	87	0.0	6.4	9.6	3.2	6.3	17.0	87
AVG. PRICE /MILLION BTU	88	0.0	171.6	164.8	178.4	191.9	175.7	88
TOTAL EST. GAS BILL, $1000	89	0.0	11.0	15.9	5.6	12.1	29.9	89

NOTE: OFFPEAK IS OMITTED FROM THIS TABLE

MONTHS FOR COMBUSTION TURBINE AND INTERNAL COMBUSTION UNITS, 1977

MONTHLY SU ES OF GAS PURCHASES

LINE	JULY 77	AUGUST 77	SEPTEMBER 77	OCTOBER 77	NOVEMBER 77	DECEMBER 77	TOTAL	LINE	
									NATIONAL DATA
1	8,058.5	7,314.8	6,317.3	4,318.9	4,936.9	6,610.1	60,347.2	1	QNTY PURCHASED: FIRM 1000 MCF
2	4,882.3	3,830.3	3,831.8	3,155.5	2,229.1	1,580.6	33,899.0	2	INTERRUPTIBLE 1000 MCF
3	12,940.8	11,145.1	10,149.1	7,474.3	7,165.9	8,190.6	94,246.1	3	TOTAL 1000 MCF
4	13,192.1	11,435.7	10,435.5	7,671.0	7,360.6	8,376.2	96,405.4	4	TOTAL HEATING VAL,BILLION BTU
5	110.0	97.7	98.8	111.7	110.2	113.5	110.2	5	AVG. PRICE /MILLION BTU
6	14,505.8	11,168.4	10,306.6	8,568.5	8,108.6	9,502.9	106,256.0	6	TOTAL EST. GAS BILL, $1000
									REGIONAL DATA
									NEW ENGLAND
12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12	QNTY PURCHASED: FIRM 1000 MCF
13	0.0	14.6	0.0	0.0	0.0	0.0	14.6	13	INTERRUPTIBLE 1000 MCF
14	0.0	14.6	0.0	0.0	0.0	0.0	14.6	14	TOTAL 1000 MCF
15	0.0	14.6	0.0	0.0	0.0	0.0	14.6	15	TOTAL HEATING VAL,BILLION BTU
16	0.0	195.0	0.0	0.0	0.0	0.0	195.0	16	AVG. PRICE /MILLION BTU
17	0.0	28.5	0.0	0.0	0.0	0.0	28.5	17	TOTAL EST. GAS BILL, $1000
									MIDDLE ATLANTIC
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21	QNTY PURCHASED: FIRM 1000 MCF
22	289.0	253.0	213.1	238.6	122.9	8.3	1,158.5	22	INTERRUPTIBLE 1000 MCF
23	289.0	253.0	213.1	238.6	122.9	8.3	1,158.5	23	TOTAL 1000 MCF
24	293.4	260.3	219.4	245.7	126.8	8.5	1,188.9	24	TOTAL HEATING VAL,BILLION BTU
25	169.6	168.8	175.2	175.3	173.9	157.4	175.0	25	AVG. PRICE /MILLION BTU
26	497.6	439.6	384.2	430.8	220.5	13.5	2,080.9	26	TOTAL EST. GAS BILL, $1000
									EAST NORTH CENTRAL
30	926.5	484.6	510.1	585.4	766.6	1,384.2	10,791.6	30	QNTY PURCHASED: FIRM 1000 MCF
31	1,046.4	641.3	750.3	509.8	462.7	466.3	6,296.8	31	INTERRUPTIBLE 1000 MCF
32	1,972.9	1,125.9	1,260.4	1,095.2	1,229.3	1,850.6	17,088.4	32	TOTAL 1000 MCF
33	1,992.4	1,135.4	1,270.2	1,107.0	1,244.2	1,873.1	17,248.7	33	TOTAL HEATING VAL,BILLION BTU
34	195.6	151.1	145.0	182.7	179.2	187.8	182.6	34	AVG. PRICE /MILLION BTU
35	3,897.0	1,715.5	1,841.5	2,022.0	2,230.1	3,518.6	31,495.5	35	TOTAL EST. GAS BILL, $1000
									WEST NORTH CENTRAL
39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39	QNTY PURCHASED: FIRM 1000 MCF
40	989.8	492.1	485.3	726.4	542.0	100.2	5,697.0	40	INTERRUPTIBLE 1000 MCF
41	989.8	492.1	485.3	726.4	542.0	100.2	5,697.0	41	TOTAL 1000 MCF
42	980.5	494.0	484.8	736.0	549.3	101.1	5,717.8	42	TOTAL HEATING VAL,BILLION BTU
43	112.0	110.5	108.2	102.3	105.5	108.7	108.1	43	AVG. PRICE /MILLION BTU
44	1,097.7	545.9	524.7	752.7	579.3	109.8	6,179.3	44	TOTAL EST. GAS BILL, $1000
									SOUTH ATLANTIC
48	1,643.0	555.0	366.0	217.0	119.0	203.0	5,614.0	48	QNTY PURCHASED: FIRM 1000 MCF
49	120.1	541.5	288.1	109.4	92.8	21.1	1,422.7	49	INTERRUPTIBLE 1000 MCF
50	1,763.1	1,096.5	654.1	326.4	211.8	224.1	7,036.7	50	TOTAL 1000 MCF
51	1,767.4	1,138.1	701.9	335.1	233.7	227.5	7,181.6	51	TOTAL HEATING VAL,BILLION BTU
52	74.0	111.2	111.9	96.6	125.8	83.5	85.7	52	AVG. PRICE /MILLION BTU
53	1,307.4	1,265.6	785.3	323.6	293.9	190.0	6,151.1	53	TOTAL EST. GAS BILL, $1000
									EAST SOUTH CENTRAL
57	318.1	308.4	270.1	279.1	316.2	0.0	3,380.9	57	QNTY PURCHASED: FIRM 1000 MCF
58	24.5	13.6	4.6	1.6	24.8	0.0	94.8	58	INTERRUPTIBLE 1000 MCF
59	342.6	322.0	274.7	280.7	341.0	0.0	3,475.7	59	TOTAL 1000 MCF
60	350.3	328.5	297.6	291.6	350.5	0.0	3,597.2	60	TOTAL HEATING VAL,BILLION BTU
61	51.9	48.8	44.0	45.1	53.3	0.0	44.6	61	AVG. PRICE /MILLION BTU
62	181.8	160.3	131.0	131.6	186.7	0.0	1,604.2	62	TOTAL EST. GAS BILL, $1000
									WEST SOUTH CENTRAL
66	4,839.9	5,595.7	5,013.1	3,093.4	3,533.0	4,990.8	38,554.8	66	QNTY PURCHASED: FIRM 1000 MCF
67	443.8	409.3	385.4	296.4	358.2	356.1	3,747.7	67	INTERRUPTIBLE 1000 MCF
68	5,283.7	6,005.0	5,398.5	3,389.8	3,891.2	5,346.9	42,302.5	68	TOTAL 1000 MCF
69	5,394.4	6,137.0	5,510.9	3,472.8	3,998.0	5,474.7	43,117.4	69	TOTAL HEATING VAL,BILLION BTU
70	85.9	78.4	81.8	90.5	87.7	88.5	87.5	70	AVG. PRICE /MILLION BTU
71	4,634.0	4,812.0	4,506.7	3,141.7	3,507.5	4,844.0	37,747.0	71	TOTAL EST. GAS BILL, $1000
									MOUNTAIN
75	331.0	371.0	158.0	144.0	202.0	32.0	2,006.0	75	QNTY PURCHASED: FIRM 1000 MCF
76	1,885.7	1,369.2	1,654.8	1,209.1	584.0	622.5	15,086.1	76	INTERRUPTIBLE 1000 MCF
77	2,216.7	1,740.2	1,812.8	1,353.1	786.0	654.5	17,092.1	77	TOTAL 1000 MCF
78	2,326.3	1,827.9	1,898.0	1,415.4	814.4	684.9	17,939.4	78	TOTAL HEATING VAL,BILLION BTU
79	116.4	108.2	105.6	112.9	120.4	118.5	111.9	79	AVG. PRICE /MILLION BTU
80	2,708.2	1,977.4	2,004.7	1,598.4	980.7	811.4	20,067.7	80	TOTAL EST. GAS BILL, $1000
									PACIFIC
84	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84	QNTY PURCHASED: FIRM 1000 MCF
85	83.0	95.7	50.1	64.1	41.7	6.0	380.7	85	INTERRUPTIBLE 1000 MCF
86	83.0	95.7	50.1	64.1	41.7	6.0	380.7	86	TOTAL 1000 MCF
87	87.4	99.7	52.7	67.3	43.8	6.3	399.7	87	TOTAL HEATING VAL,BILLION BTU
88	208.3	224.1	243.6	249.4	251.3	250.0	225.7	88	AVG. PRICE /MILLION BTU
89	182.2	223.5	128.4	167.8	110.0	15.7	901.9	89	TOTAL EST. GAS BILL, $1000

TABLE 18

PRIMARY ENERGY PURCHASE DATA DURING THE PAST TWELVE MONTHS FOR STEAM-ELECTRIC PLANTS, 1977

GEOGRAPHIC REGION AND STATE	LINE	TOTAL BTU (BILLIONS)				% OF TOTAL BTU			AVG. PRICE, ¢ PER 10^6 BTU			LINE
		COAL	OIL	GAS	TOTAL	COAL	OIL	GAS	COAL	OIL	GAS	
NEW ENGLAND												
CONNECTICUT	2	0.0	116,306.5	0.0	116,306.5	0.0	100.0	0.0	0.0	223.9	0.0	2
MAINE	3	0.0	7,908.4	0.0	7,908.4	0.0	100.0	0.0	0.0	205.1	0.0	3
MASSACHUSETTS	4	0.0	292,239.1	3,128.4	295,367.5	0.0	98.9	1.1	0.0	211.8	187.6	4
NEW HAMPSHIRE	5	25,661.8	17,123.9	0.0	42,785.6	60.0	40.0	0.0	130.1	206.4	0.0	5
RHODE ISLAND	6	0.0	8,028.0	0.0	8,028.0	0.0	100.0	0.0	0.0	206.7	0.0	6
VERMONT	7	512.6	190.7	439.7	1,142.9	44.8	16.7	38.5	137.7	280.6	200.8	7
..... TOTAL	9	26,174.4	441,796.5	3,568.1	471,538.9	5.6	93.7	0.8	130.2	214.6	189.3	9
MIDDLE ATLANTIC												
NEW JERSEY	12	70,060.2	156,035.8	6,093.8	232,189.7	30.2	67.2	2.6	141.8	232.0	178.8	12
NEW YORK	13	156,653.5	528,010.9	3,441.7	688,106.2	22.8	76.7	0.5	117.3	218.7	140.0	13
PENNSYLVANIA	14	909,066.3	132,301.4	11.2	1,041,379.0	87.3	12.7	0.0	100.9	234.6	207.1	14
..... TOTAL	16	1,135,780.0	816,348.2	9,546.7	1,961,674.9	57.9	41.6	0.5	105.6	223.8	164.9	16
EAST NORTH CENTRAL												
ILLINOIS	19	655,834.8	64,629.1	8,212.8	728,676.6	90.0	8.9	1.1	102.4	249.6	187.5	19
INDIANA	20	711,108.6	10,796.7	593.7	722,498.9	98.4	1.5	0.1	80.9	228.1	140.6	20
MICHIGAN	21	502,320.1	93,835.9	10,329.0	606,485.0	82.8	15.5	1.7	109.7	264.3	184.9	21
OHIO	22	1,156,042.9	18,325.9	1,630.4	1,175,999.2	98.3	1.6	0.1	101.0	254.1	137.7	22
WISCONSIN	23	226,340.2	5,622.2	2,305.0	234,267.5	96.6	2.4	1.0	97.4	259.5	181.7	23
..... TOTAL	25	3,251,646.6	193,209.8	23,070.9	3,467,927.3	93.8	5.6	0.7	98.0	256.2	181.0	25
WEST NORTH CENTRAL												
IOWA	28	153,518.4	3,162.8	12,104.8	168,786.1	91.0	1.9	7.2	102.4	266.4	130.0	28
KANSAS	29	117,300.8	26,655.6	112,367.0	256,323.4	45.8	10.4	43.8	74.9	209.6	101.2	29
MINNESOTA	30	209,536.8	8,010.7	3,083.7	220,631.3	95.0	3.6	1.4	73.9	208.6	111.1	30
MISSOURI	31	464,977.1	11,285.2	20,583.7	496,846.1	93.6	2.3	4.1	75.3	239.1	111.8	31
NEBRASKA	32	49,340.8	4,537.4	11,363.0	65,241.2	75.6	7.0	17.4	105.1	180.8	96.8	32
NORTH DAKOTA	33	86,488.1	279.1	0.0	86,767.3	99.7	0.3	0.0	38.6	276.3	0.0	33
SOUTH DAKOTA	34	31,132.2	681.6	39.6	31,853.4	97.7	2.1	0.1	55.3	215.1	120.2	34
..... TOTAL	36	1,112,294.3	54,612.6	159,541.9	1,326,448.7	83.9	4.1	12.0	76.7	216.8	104.6	36
SOUTH ATLANTIC												
DELAWARE	39	17,020.4	44,384.9	492.7	61,898.0	27.5	71.7	0.8	109.2	220.5	184.2	39
DISTRICT OF COLUMBIA	40	0.0	23,300.9	0.0	23,300.9	0.0	100.0	0.0	0.0	224.7	0.0	40
FLORIDA	41	162,188.0	423,722.8	127,865.3	713,776.1	22.7	59.4	17.9	127.1	213.0	88.4	41
GEORGIA	42	429,000.7	52,573.3	6,505.1	488,079.2	87.9	10.8	1.3	109.8	238.0	129.8	42
MARYLAND	43	125,849.7	99,886.2	0.0	225,735.9	55.8	44.2	0.0	119.8	215.4	0.0	43
NORTH CAROLINA	44	521,628.6	4,815.3	0.0	526,444.0	99.1	0.9	0.0	124.1	272.4	595.4	44
SOUTH CAROLINA	45	174,138.7	35,516.5	0.0	209,655.2	83.1	16.9	0.0	124.2	184.1	0.0	45
VIRGINIA	46	134,365.3	170,222.1	426.5	305,013.9	44.1	55.8	0.1	136.0	216.4	182.7	46
WEST VIRGINIA	47	664,367.9	3,632.5	15.9	668,016.3	99.5	0.5	0.0	103.2	280.1	197.3	47
..... TOTAL	49	2,228,559.4	858,054.4	135,305.6	3,221,919.5	69.2	26.6	4.2	115.7	215.6	91.1	49
EAST SOUTH CENTRAL												
ALABAMA	52	423,132.5	2,830.4	4,444.7	430,407.6	98.3	0.7	1.0	113.2	278.4	175.2	52
KENTUCKY	53	568,141.0	873.1	575.3	569,589.4	99.7	0.2	0.1	85.0	285.5	98.3	53
MISSISSIPPI	54	38,885.5	110,989.8	35,405.7	185,281.0	21.0	59.9	19.1	108.8	184.7	144.2	54
TENNESSEE	55	453,384.8	1,300.0	0.0	454,684.8	99.7	0.3	0.0	103.1	300.8	0.0	55
..... TOTAL	57	1,483,543.9	115,993.3	40,425.7	1,639,962.9	90.5	7.1	2.5	99.2	189.0	146.9	57
WEST SOUTH CENTRAL												
ARKANSAS	60	0.0	86,706.6	7,098.4	93,804.9	0.0	92.4	7.6	0.0	203.1	96.8	60
LOUISIANA	61	0.0	145,215.2	357,281.3	502,496.6	0.0	28.9	71.1	0.0	195.7	90.7	61
OKLAHOMA	62	32,253.6	705.4	344,642.4	377,601.4	8.5	0.2	91.3	107.6	266.9	129.6	62
TEXAS	63	268,769.1	26,313.5	1,476,455.5	1,771,538.1	15.2	1.5	83.3	58.2	210.2	123.1	63
..... TOTAL	65	301,022.7	258,940.7	2,185,477.6	2,745,441.0	11.0	9.4	79.6	63.5	199.9	118.7	65
MOUNTAIN												
ARIZONA	68	175,801.5	42,560.8	20,893.0	239,255.3	73.5	17.8	8.7	46.5	231.2	108.5	68
COLORADO	69	167,941.9	3,761.9	27,589.0	199,292.8	84.3	1.9	13.8	60.7	194.4	105.9	69
IDAHO	70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	70
MONTANA	71	54,745.9	756.3	861.9	56,364.1	97.1	1.3	1.5	28.3	202.1	67.3	71
NEVADA	72	119,522.4	8,803.0	33,308.4	161,633.9	73.9	5.4	20.6	54.6	215.8	173.5	72
NEW MEXICO	73	163,409.8	5,527.8	66,707.6	235,645.2	69.3	2.3	28.3	29.4	248.5	143.8	73
UTAH	74	56,315.3	1,904.7	4,394.2	62,614.2	89.9	3.0	7.0	73.8	212.4	108.9	74
WYOMING	75	198,843.5	5.8	62.3	198,911.7	100.0	0.0	0.0	34.7	340.1	208.0	75
..... TOTAL	77	936,580.4	63,320.3	153,816.4	1,153,717.1	81.2	5.5	13.3	45.2	227.5	137.2	77
PACIFIC												
CALIFORNIA	80	0.0	792,278.3	379,999.3	1,172,277.6	0.0	67.6	32.4	0.0	237.3	209.7	80
OREGON	81	0.0	282.4	933.2	1,215.6	0.0	23.2	76.8	0.0	254.2	193.4	81
WASHINGTON	82	73,710.0	0.0	0.0	73,710.0	100.0	0.0	0.0	72.3	0.0	0.0	82
..... TOTAL	84	73,710.0	792,560.7	380,932.5	1,247,203.2	5.9	63.5	30.5	72.3	237.3	209.6	84
UNITED STATES TOTAL	86	10,549,311.6	3,594,836.4	3,091,685.4	17,235,833.4	61.2	20.9	17.9	94.7	222.6	130.0	86

TABLE 19

PRIMARY ENERGY PURCHASE DATA DURING THE PAST TWELVE MONTHS FOR COMBUSTION TURBINE AND INTERNAL COMBUSTION UNITS, 1977

GEOGRAPHIC REGION AND STATE	LINE	TOTAL BTU (BILLIONS)				% OF TOTAL BTU			AVG. PRICE, ¢ PER 10^6 BTU			LINE
			OIL	GAS	TOTAL		OIL	GAS		OIL	GAS	
NEW ENGLAND												
CONNECTICUT	2	0.0	254.0	0.0	254.0	0.0	100.0	0.0	0.0	229.7	0.0	2
MAINE	3	0.0	11.8	0.0	11.8	0.0	100.0	0.0	0.0	283.4	0.0	3
MASSACHUSETTS	4	0.0	1,178.4	14.6	1,193.0	0.0	98.8	1.2	0.0	273.3	195.0	4
NEW HAMPSHIRE	5	0.0	31.8	0.0	31.8	0.0	100.0	0.0	0.0	287.6	0.0	5
RHODE ISLAND	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6
VERMONT	7	0.0	77.2	0.0	77.2	0.0	100.0	0.0	0.0	316.6	0.0	7
..... TOTAL	9	0.0	1,553.1	14.6	1,567.7	0.0	99.1	0.9	0.0	268.7	195.0	9
MIDDLE ATLANTIC												
NEW JERSEY	12	0.0	26,691.3	1,118.3	27,809.6	0.0	96.0	4.0	0.0	273.3	177.5	12
NEW YORK	13	0.0	16,990.5	599.9	17,590.4	0.0	96.6	3.4	0.0	270.8	145.3	13
PENNSYLVANIA	14	0.0	19,187.3	0.0	19,187.3	0.0	100.0	0.0	0.0	282.1	0.0	14
..... TOTAL	16	0.0	62,869.1	1,718.2	64,587.3	0.0	97.3	2.7	0.0	275.3	166.3	16
EAST NORTH CENTRAL												
ILLINOIS	19	0.0	21,296.5	3,204.3	24,500.8	0.0	86.9	13.1	0.0	284.3	158.3	19
INDIANA	20	0.0	2,742.1	156.5	2,898.6	0.0	94.6	5.4	0.0	268.5	106.4	20
MICHIGAN	21	0.0	6,610.8	11,339.8	17,950.6	0.0	36.8	63.2	0.0	267.4	193.6	21
OHIO	22	0.0	17,852.3	356.7	18,209.1	0.0	98.0	2.0	0.0	281.5	155.9	22
WISCONSIN	23	0.0	7,604.6	2,320.5	9,925.1	0.0	76.6	23.4	0.0	262.3	168.0	23
..... TOTAL	25	0.0	56,106.2	17,377.9	73,484.1	0.0	76.4	23.6	0.0	277.6	182.1	25
WEST NORTH CENTRAL												
IOWA	28	0.0	1,207.0	774.1	1,981.0	0.0	60.9	39.1	0.0	267.8	127.8	28
KANSAS	29	0.0	2,926.4	2,983.4	5,909.8	0.0	49.5	50.5	0.0	259.5	101.9	29
MINNESOTA	30	0.0	3,470.8	21.9	3,492.7	0.0	99.4	0.6	0.0	262.8	109.5	30
MISSOURI	31	0.0	3,207.6	1,923.6	5,131.3	0.0	62.5	37.5	0.0	261.4	109.7	31
NEBRASKA	32	0.0	1,291.1	14.8	1,305.9	0.0	98.9	1.1	0.0	256.9	106.6	32
NORTH DAKOTA	33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33
SOUTH DAKOTA	34	0.0	283.7	0.0	283.7	0.0	100.0	0.0	0.0	297.6	0.0	34
..... TOTAL	36	0.0	12,386.6	5,717.8	18,104.5	0.0	68.4	31.6	0.0	262.3	108.1	36
SOUTH ATLANTIC												
DELAWARE	39	0.0	403.0	0.0	403.0	0.0	100.0	0.0	0.0	269.8	0.0	39
DISTRICT OF COLUMBIA	40	0.0	600.0	0.0	600.0	0.0	100.0	0.0	0.0	263.2	0.0	40
FLORIDA	41	0.0	21,782.4	6,057.5	27,839.9	0.0	78.2	21.8	0.0	255.9	72.0	41
GEORGIA	42	0.0	629.0	3.1	632.1	0.0	99.5	0.5	0.0	282.7	180.0	42
MARYLAND	43	0.0	2,845.1	61.3	2,906.3	0.0	97.9	2.1	0.0	266.8	208.0	43
NORTH CAROLINA	44	0.0	3,336.2	0.1	3,336.3	0.0	100.0	0.0	0.0	273.0	412.5	44
SOUTH CAROLINA	45	0.0	7,032.3	0.0	7,032.3	0.0	100.0	0.0	0.0	272.9	0.0	45
VIRGINIA	46	0.0	6,644.4	1,059.6	7,704.1	0.0	86.2	13.8	0.0	277.5	156.1	46
WEST VIRGINIA	47	0.0	96.6	0.0	96.6	0.0	100.0	0.0	0.0	300.7	0.0	47
..... TOTAL	49	0.0	43,369.1	7,181.6	50,550.7	0.0	85.8	14.2	0.0	264.7	85.7	49
EAST SOUTH CENTRAL												
ALABAMA	52	0.0	5,383.7	0.0	5,383.7	0.0	100.0	0.0	0.0	260.2	0.0	52
KENTUCKY	53	0.0	726.6	163.5	890.1	0.0	81.6	18.4	0.0	274.8	143.4	53
MISSISSIPPI	54	0.0	680.2	3,502.4	4,182.7	0.0	16.3	83.7	0.0	268.2	41.0	54
TENNESSEE	55	0.0	24,154.6	0.0	24,154.6	0.0	100.0	0.0	0.0	262.1	0.0	55
..... TOTAL	57	0.0	30,945.2	3,665.9	34,611.1	0.0	89.4	10.6	0.0	262.2	45.5	57
WEST SOUTH CENTRAL												
ARKANSAS	60	0.0	942.0	0.0	942.0	0.0	100.0	0.0	0.0	262.0	0.0	60
LOUISIANA	61	0.0	70.7	2,936.8	3,007.5	0.0	2.4	97.6	0.0	259.0	119.3	61
OKLAHOMA	62	0.0	115.6	3,650.3	3,765.8	0.0	3.1	96.9	0.0	253.9	124.5	62
TEXAS	63	0.0	118.1	36,530.3	36,648.4	0.0	0.3	99.7	0.0	255.2	81.3	63
..... TOTAL	65	0.0	1,246.3	43,117.4	44,363.7	0.0	2.8	97.2	0.0	260.4	87.5	65
MOUNTAIN												
ARIZONA	68	0.0	11,457.0	10,306.1	21,763.1	0.0	52.6	47.4	0.0	263.8	106.6	68
COLORADO	69	0.0	951.7	5,229.5	6,181.2	0.0	15.4	84.6	0.0	268.1	95.6	69
IDAHO	70	0.0	16.0	713.6	729.7	0.0	2.2	97.8	0.0	288.7	193.7	70
MONTANA	71	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71
NEVADA	72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	72
NEW MEXICO	73	0.0	0.0	1,690.2	1,690.2	0.0	0.0	100.0	0.0	0.0	159.6	73
UTAH	74	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	74
WYOMING	75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	75
..... TOTAL	77	0.0	12,424.7	17,939.4	30,364.1	0.0	40.9	59.1	0.0	264.2	111.9	77
PACIFIC												
CALIFORNIA	80	0.0	14,160.5	345.1	14,505.6	0.0	97.6	2.4	0.0	264.5	230.0	80
OREGON	81	0.0	3,987.0	54.6	4,041.6	0.0	98.6	1.4	0.0	267.1	198.5	81
WASHINGTON	82	0.0	4.8	0.0	4.8	0.0	100.0	0.0	0.0	280.1	0.0	82
..... TOTAL	84	0.0	18,152.3	399.8	18,552.1	0.0	97.8	2.2	0.0	265.1	225.7	84
UNITED STATES TOTAL	86	0.0	239,052.7	97,132.6	336,185.3	0.0	71.1	28.9	0.0	270.1	110.4	86

TABLE 20

PRIMARY ENERGY PURCHASE DATA DURING THE PAST TWELVE MONTHS FOR ALL REPORTING PLANTS, 1977

GEOGRAPHIC REGION AND STATE	LINE	TOTAL BTU (BILLIONS)				% OF TOTAL BTU			AVG. PRICE, ¢ PER 10^6 BTU			LINE
		COAL	OIL	GAS	TOTAL	COAL	OIL	GAS	COAL	OIL	GAS	
NEW ENGLAND												
CONNECTICUT	2	0.0	116,560.4	0.0	116,560.4	0.0	100.0	0.0	0.0	223.9	0.0	2
MAINE	3	0.0	7,920.2	0.0	7,920.2	0.0	100.0	0.0	0.0	205.2	0.0	3
MASSACHUSETTS	4	0.0	293,417.5	3,143.0	296,560.5	0.0	98.9	1.1	0.0	212.0	187.7	4
NEW HAMPSHIRE	5	25,661.8	17,155.6	0.0	42,817.4	59.9	40.1	0.0	130.1	206.6	0.0	5
RHODE ISLAND	6	0.0	8,028.0	0.0	8,028.0	0.0	100.0	0.0	0.0	206.7	0.0	6
VERMONT	7	512.6	267.9	439.7	1,220.1	42.0	22.0	36.0	137.7	291.0	200.8	7
..... TOTAL	9	26,174.4	443,349.5	3,582.7	473,106.6	5.5	93.7	0.8	130.2	214.8	189.3	9
MIDDLE ATLANTIC												
NEW JERSEY	12	70,060.2	182,727.1	7,212.1	259,999.3	26.9	70.3	2.8	141.8	238.0	178.6	12
NEW YORK	13	156,653.5	545,001.4	4,041.6	705,696.6	22.2	77.2	0.6	117.3	220.4	140.8	13
PENNSYLVANIA	14	909,066.3	151,488.7	11.2	1,060,566.3	85.7	14.3	0.0	100.9	240.6	207.1	14
..... TOTAL	16	1,135,780.0	879,217.2	11,264.9	2,026,262.2	56.1	43.4	0.6	105.6	227.5	165.1	16
EAST NORTH CENTRAL												
ILLINOIS	19	655,834.8	85,925.5	11,417.1	753,177.4	87.1	11.4	1.5	102.4	258.2	179.3	19
INDIANA	20	711,108.6	13,538.8	750.2	725,397.6	98.0	1.9	0.1	80.9	236.2	133.5	20
MICHIGAN	21	502,320.1	100,446.7	21,668.9	624,435.6	80.4	16.1	3.5	109.7	264.5	189.5	21
OHIO	22	1,156,042.9	36,178.2	1,987.1	1,194,208.2	96.8	3.0	0.2	101.0	267.6	140.9	22
WISCONSIN	23	226,340.2	13,226.8	4,625.5	244,192.6	92.7	5.4	1.9	97.4	261.1	174.8	23
..... TOTAL	25	3,251,646.6	249,316.0	40,448.8	3,541,411.4	91.8	7.0	1.1	98.0	261.1	181.5	25
WEST NORTH CENTRAL												
IOWA	28	153,518.4	4,369.8	12,878.9	170,767.1	89.9	2.6	7.5	102.4	266.8	129.8	28
KANSAS	29	117,300.8	29,582.0	115,350.4	262,233.2	44.7	11.3	44.0	74.9	214.5	101.2	29
MINNESOTA	30	209,536.8	11,481.6	3,105.7	224,124.0	93.5	5.1	1.4	73.9	225.0	111.1	30
MISSOURI	31	464,977.1	14,492.9	22,507.4	501,977.3	92.6	2.9	4.5	75.3	244.0	111.6	31
NEBRASKA	32	49,340.8	5,828.5	11,377.8	66,547.1	74.1	8.8	17.1	105.1	197.7	96.8	32
NORTH DAKOTA	33	86,488.1	279.1	0.0	86,767.3	99.7	0.3	0.0	38.6	276.3	0.0	33
SOUTH DAKOTA	34	31,132.2	965.4	39.6	32,137.1	96.9	3.0	0.1	55.3	239.3	120.2	34
..... TOTAL	36	1,112,294.3	66,999.2	165,259.7	1,344,553.2	82.7	5.0	12.3	76.7	225.3	104.8	36
SOUTH ATLANTIC												
DELAWARE	39	17,020.4	44,787.9	492.7	62,301.0	27.3	71.9	0.8	109.2	221.0	184.2	39
DISTRICT OF COLUMBIA	40	0.0	23,900.8	0.0	23,900.8	0.0	100.0	0.0	0.0	225.6	0.0	40
FLORIDA	41	162,188.0	445,505.2	133,922.9	741,616.1	21.9	60.1	18.1	127.1	215.1	87.7	41
GEORGIA	42	429,000.7	53,202.3	6,508.2	488,711.3	87.8	10.9	1.3	109.8	238.5	129.8	42
MARYLAND	43	125,849.7	102,731.2	61.3	228,642.2	55.0	44.9	0.0	119.8	216.8	208.0	43
NORTH CAROLINA	44	521,628.6	8,151.6	0.1	529,780.3	98.5	1.5	0.0	124.1	272.6	415.4	44
SOUTH CAROLINA	45	174,138.7	42,548.8	0.0	216,687.6	80.4	19.6	0.0	124.2	198.8	0.0	45
VIRGINIA	46	134,365.3	176,866.6	1,486.1	312,718.0	43.0	56.6	0.5	136.0	218.7	163.8	46
WEST VIRGINIA	47	664,367.9	3,729.1	15.9	668,112.9	99.4	0.6	0.0	103.2	280.6	197.3	47
..... TOTAL	49	2,228,559.4	901,423.6	142,487.2	3,272,470.1	68.1	27.5	4.4	115.7	218.0	90.8	49
EAST SOUTH CENTRAL												
ALABAMA	52	423,132.5	8,214.2	4,444.7	435,791.4	97.1	1.9	1.0	113.2	266.5	175.2	52
KENTUCKY	53	568,141.0	1,599.7	738.8	570,479.6	99.6	0.3	0.1	85.0	280.6	108.3	53
MISSISSIPPI	54	38,885.5	111,670.1	38,908.1	189,463.7	20.5	58.9	20.5	108.8	185.2	134.9	54
TENNESSEE	55	453,384.8	25,454.5	0.0	478,839.3	94.7	5.3	0.0	103.1	264.1	0.0	55
..... TOTAL	57	1,483,543.9	146,938.5	44,091.6	1,674,574.0	88.6	8.8	2.6	99.2	204.5	138.5	57
WEST SOUTH CENTRAL												
ARKANSAS	60	0.0	87,648.6	7,098.4	94,746.9	0.0	92.5	7.5	0.0	203.8	96.8	60
LOUISIANA	61	0.0	145,286.0	360,218.1	505,504.1	0.0	28.7	71.3	0.0	195.7	90.9	61
OKLAHOMA	62	32,253.6	820.9	348,292.7	381,367.3	8.5	0.2	91.3	107.6	265.1	129.5	62
TEXAS	63	268,769.1	26,431.6	1,512,985.8	1,808,186.5	14.9	1.5	83.7	58.2	210.4	122.1	63
..... TOTAL	65	301,022.7	260,187.0	2,228,595.0	2,789,804.7	10.8	9.3	79.9	63.5	200.2	118.1	65
MOUNTAIN												
ARIZONA	68	175,801.5	54,017.8	31,199.1	261,018.4	67.4	20.7	12.0	46.5	238.1	107.9	68
COLORADO	69	167,941.9	4,713.6	32,818.5	205,474.0	81.7	2.3	16.0	60.7	209.3	104.3	69
IDAHO	70	0.0	16.0	713.6	729.7	0.0	2.2	97.8	0.0	288.7	193.7	70
MONTANA	71	54,745.9	756.3	861.9	56,364.1	97.1	1.3	1.5	28.3	202.1	67.3	71
NEVADA	72	119,522.4	8,803.0	33,308.4	161,633.9	73.9	5.4	20.6	54.6	215.8	173.5	72
NEW MEXICO	73	163,409.8	5,527.8	68,397.7	237,335.4	68.9	2.3	28.8	29.4	248.5	144.2	73
UTAH	74	56,315.3	1,904.7	4,394.2	62,614.2	89.9	3.0	7.0	73.8	212.4	108.9	74
WYOMING	75	198,843.5	5.8	62.3	198,911.7	100.0	0.0	0.0	34.7	340.1	208.0	75
..... TOTAL	77	936,580.4	75,745.1	171,755.8	1,184,081.2	79.1	6.4	14.5	45.2	233.5	134.6	77
PACIFIC												
CALIFORNIA	80	0.0	806,438.7	380,344.4	1,186,783.2	0.0	68.0	32.0	0.0	237.8	209.7	80
OREGON	81	0.0	4,269.4	987.8	5,257.2	0.0	81.2	18.8	0.0	266.2	193.7	81
WASHINGTON	82	73,710.0	4.8	0.0	73,714.8	100.0	0.0	0.0	72.3	280.1	0.0	82
..... TOTAL	84	73,710.0	810,713.0	381,332.2	1,265,755.2	5.8	64.0	30.1	72.3	237.9	209.7	84
UNITED STATES TOTAL	86	10,549,311.6	3,833,889.1	3,188,818.0	17,572,018.7	60.0	21.8	18.1	94.7	225.5	129.4	86

III. ORIGIN-BY-DESTINATION DATA AGGREGATED BY BUREAU OF MINES COAL PRODUCING DISTRICT AND STATE

ANNUAL TABLES, 1977

The percentages shown under the heading "PCT OF DELV" SURFACE and SPOT represent the percent of total coal shipments surface-mined (as opposed to coal mined underground) and the percent purchased on the spot market (as opposed to coal purchased under contract). The sum of the two columns <u>should</u> <u>not</u> equal 100 percent.

ORIGIN AND DESTINATION OF COAL DELIVERED TO STEAM-ELECTRIC PLANTS 25 MW OR GREATER
FOR CALENDAR YEAR 1977

COAL SOURCE USBM DIST	COAL SOURCE STATE	COAL DESTINATION STATE	DELIVERIES 1000 TONS	PCT OF DELIV SURFACE	PCT OF DELIV SPOT	AVG HEAT VALUE BTU/LB	AVG WT PCT SULFUR	AVG WT PCT ASH	AVG DELIV PRICE $ PER TON
1	MD	MD	848.5	98.8	13.1	11894	1.48	14.2	26.72
1	MD	MICH	28.0	100.0	0.0	12620	1.45	12.8	34.21
1	MD	N Y	30.4	100.0	100.0	11420	2.12	17.9	24.88
1	MD	OHIO	31.8	88.5	100.0	11387	2.28	16.2	24.33
1	MD	PA	203.1	75.8	100.0	11629	2.32	15.8	23.67
1	MD	VA	9.0	100.0	100.0	13020	1.05	10.3	45.18
1	MD	W VA	1053.3	87.0	100.0	11301	1.58	17.8	19.92
DISTRICT 1	MD	TOTAL	2204.1	90.9	65.3	11586	1.63	16.1	23.30
1	PA	DEL	704.0	100.0	55.3	12088	1.94	13.5	26.40
1	PA	MD	3226.7	96.2	25.3	12099	1.63	13.5	26.43
1	PA	MICH	1209.0	100.0	42.9	12419	2.72	11.2	28.79
1	PA	N J	574.6	82.3	9.4	12977	1.22	10.4	36.08
1	PA	N Y	4600.7	83.5	41.3	11759	1.81	15.9	25.20
1	PA	OHIO	115.0	100.0	100.0	12341	3.05	11.3	27.86
1	PA	PA	24977.0	46.0	22.5	12070	2.10	15.5	25.43
1	PA	VT	19.3	0.0	100.0	12862	1.54	11.3	35.32
1	PA	VA	1.0	100.0	100.0	12568	1.26	10.6	44.99
1	PA	WISC	370.3	100.0	17.0	12679	2.87	10.2	29.94
DISTRICT 1	PA	TOTAL	35797.5	59.5	26.5	12067	2.03	15.0	25.85
1	W VA	N J	164.8	0.0	0.0	13245	1.32	9.4	40.07
1	W VA	PA	32.3	100.0	43.3	12058	1.58	13.4	25.73
1	W VA	W VA	2023.0	52.1	9.3	11456	2.04	18.0	20.23
DISTRICT 1	W VA	TOTAL	2220.1	48.9	9.1	11598	1.98	17.3	21.79
DISTRICT 1		TOTAL	40221.7	60.7	27.7	12014	2.01	15.2	25.49
2	PA	IND	5.8	100.0	100.0	10318	2.00	19.0	21.58
2	PA	MD	184.0	100.0	91.3	12311	1.72	12.5	27.47
2	PA	MICH	21.0	100.0	28.6	12810	1.30	10.3	30.39
2	PA	MO	114.0	100.0	100.0	12500	1.25	10.0	29.61
2	PA	N H	0.2	0.0	100.0	13177	2.34	6.9	39.21
2	PA	N J	1.0	0.0	100.0	12960	1.70	7.7	36.70
2	PA	N Y	656.6	29.9	76.5	12849	1.83	8.9	34.22
2	PA	OHIO	1748.2	98.1	73.4	11617	3.47	15.2	22.80
2	PA	PA	5426.9	77.7	46.4	11707	2.08	15.7	21.40
2	PA	TENN	12.1	100.0	100.0	12000	2.30	13.9	29.31
2	PA	VT	0.7	0.0	100.0	12627	1.15	13.5	37.33
2	PA	W VA	200.6	100.0	95.1	10967	2.49	19.3	19.10
2	PA	WISC	199.6	100.0	17.1	12179	2.80	13.0	27.32
DISTRICT 2		TOTAL	8570.7	80.1	56.4	11795	2.35	15.0	23.03
3	W VA	MD	897.0	50.1	22.7	12853	1.05	9.8	42.09
3	W VA	MICH	3840.0	3.9	0.8	12810	2.75	11.1	23.17
3	W VA	MINN	0.5	0.0	100.0	13160	2.70	6.3	49.56
3	W VA	MO	7.0	0.0	100.0	11223	1.69	15.9	22.75
3	W VA	N H	959.9	0.0	3.4	13364	2.33	7.2	34.77
3	W VA	N J	1295.2	86.3	1.2	12773	2.37	11.0	33.47
3	W VA	N Y	528.6	8.7	59.1	13188	2.37	8.3	33.68
3	W VA	OHIO	737.3	93.7	89.0	12228	2.64	12.6	28.35
3	W VA	PA	4761.5	39.0	29.2	12663	2.44	11.5	23.71
3	W VA	VA	229.0	0.0	100.0	13192	0.79	7.9	48.78
3	W VA	W VA	8958.9	29.7	18.6	12119	2.39	14.1	23.25
3	W VA	WISC	17.2	0.0	100.0	11940	2.49	10.2	33.77
DISTRICT 3		TOTAL	22232.1	31.4	20.5	12516	2.39	12.1	25.88
4	OHIO	ALA	64.0	100.0	0.0	10800	3.50	13.5	19.28
4	OHIO	IND	54.9	100.0	100.0	10512	1.67	14.7	22.59
4	OHIO	KY	359.5	100.0	52.9	11234	2.63	15.6	20.69
4	OHIO	MICH	5965.3	64.3	14.0	11562	2.82	12.9	26.03
4	OHIO	MINN	8.5	0.0	0.0	13065	2.35	7.6	47.13
4	OHIO	N C	0.7	100.0	100.0	11700	2.00	10.0	34.75
4	OHIO	OHIO	32346.7	66.8	34.9	10944	3.57	16.3	21.27
4	OHIO	PA	1206.6	5.3	6.2	11538	3.25	15.8	24.91
4	OHIO	TENN	538.4	57.5	38.6	10969	3.85	16.1	22.04
4	OHIO	W VA	1078.8	100.0	91.8	10723	2.65	18.4	19.11
4	OHIO	WISC	37.3	100.0	0.0	11903	3.32	7.1	24.33
DISTRICT 4		TOTAL	41654.9	65.8	32.8	11047	3.42	15.8	22.01
6	W VA	ILL	1.5	100.0	100.0	12170	1.44	11.5	33.45
6	W VA	MICH	300.2	100.0	0.0	12577	2.81	11.7	28.75
6	W VA	OHIO	2565.6	1.6	13.2	11637	3.74	13.9	16.39
6	W VA	PA	214.0	31.9	47.7	12263	2.63	11.7	26.24
6	W VA	W VA	3350.1	0.0	0.8	11444	4.13	16.7	16.70
DISTRICT 6		TOTAL	6431.4	6.4	7.3	11601	3.86	15.2	17.46

ORIGIN AND DESTINATION OF COAL DELIVERED TO STEAM-ELECTRIC PLANTS 25 MW OR GREATER
FOR CALENDAR YEAR 1977

COAL SOURCE USBM DIST	STATE	COAL DESTINATION STATE	DELIVERIES 1000 TONS	PCT OF DELIV SURFACE	SPOT	AVG HEAT VALUE BTU/LB	AVG WT PCT SULFUR	ASH	AVG DELIV PRICE $ PER TON
7	VA	MICH	38.6	67.0	0.0	12192	2.57	11.4	32.14
7	VA	MO	441.0	5.7	100.0	11964	1.02	12.4	31.49
7	VA	N J	3.7	0.0	0.0	13708	0.68	5.9	44.00
7	VA	N C	163.2	69.7	100.0	11952	1.15	12.2	32.19
7	VA	OHIO	21.5	33.0	0.0	11312	1.47	15.7	29.06
7	VA	VA	431.9	56.3	4.6	11497	0.96	16.6	28.21
7	VA	W VA	595.6	49.5	0.1	11149	0.93	17.4	28.28
DISTRICT 7	VA	TOTAL	1695.5	41.9	36.8	11558	1.03	15.2	29.61
7	W VA	MO	0.1	100.0	100.0	11800	1.00	15.0	25.02
7	W VA	N C	285.9	53.5	70.1	12067	0.94	14.5	29.70
7	W VA	OHIO	1.2	100.0	100.0	12645	2.00	10.5	30.85
7	W VA	VA	100.9	48.6	79.5	12308	0.82	13.8	28.58
DISTRICT 7	W VA	TOTAL	388.1	52.4	72.6	12132	0.91	14.3	29.41
DISTRICT 7		TOTAL	2083.5	43.8	43.5	11665	1.00	15.0	29.57
8	KY	ALA	1014.9	100.0	50.6	11474	1.20	13.6	28.49
8	KY	FLOR	931.4	70.1	0.0	12173	1.24	9.2	36.41
8	KY	GA	9844.6	97.5	57.3	12037	1.48	11.9	27.63
8	KY	ILL	1073.2	44.5	92.7	12012	1.12	10.4	33.63
8	KY	IND	404.4	98.4	39.1	11196	1.95	13.0	22.00
8	KY	KY	7739.8	89.7	52.5	11566	1.32	13.2	24.26
8	KY	MICH	4922.3	75.0	26.8	12110	0.95	10.5	30.06
8	KY	MINN	4.2	0.0	0.0	13094	0.77	7.2	45.07
8	KY	MISS	551.4	100.0	53.4	11071	1.93	13.3	27.84
8	KY	MO	231.0	89.2	100.0	11833	1.22	11.2	32.57
8	KY	N J	194.3	78.3	9.2	13156	0.88	5.5	41.89
8	KY	N Y	618.0	100.0	7.0	13238	1.26	4.9	42.31
8	KY	N C	10496.1	43.1	34.5	11873	1.04	12.2	30.35
8	KY	OHIO	7405.4	80.4	33.4	11283	1.01	14.6	26.28
8	KY	PA	14.4	67.0	0.0	11589	0.76	11.4	33.30
8	KY	S C	6197.6	65.3	43.5	11909	1.32	12.6	29.42
8	KY	TENN	3672.4	64.5	8.5	11362	1.96	15.2	21.83
8	KY	VA	1968.9	67.3	51.5	12358	1.00	10.2	34.77
8	KY	W VA	4143.3	90.9	28.0	11566	0.94	13.2	30.39
8	KY	WISC	150.0	62.2	92.9	12137	1.03	10.6	34.63
DISTRICT 8	KY	TOTAL	61577.6	75.3	40.1	11784	1.23	12.5	28.40
8	TENN	ALA	213.5	100.0	100.0	11996	1.70	12.0	32.24
8	TENN	GA	1767.0	58.2	53.8	11974	1.31	12.6	28.15
8	TENN	ILL	1.0	100.0	100.0	11581	1.11	18.7	29.79
8	TENN	IND	10.7	100.0	0.0	11028	4.08	10.0	18.33
8	TENN	KY	111.2	63.1	100.0	11781	1.51	14.0	29.16
8	TENN	N C	1171.9	58.2	60.4	11931	1.41	12.3	29.20
8	TENN	OHIO	0.1	100.0	100.0	11115	2.39	16.8	30.90
8	TENN	S C	366.3	91.2	99.8	11756	1.75	13.9	30.70
8	TENN	TENN	4278.7	47.9	8.9	11574	2.53	16.0	25.21
8	TENN	VA	2.0	100.0	100.0	12617	1.12	7.8	27.81
8	TENN	W VA	4.3	100.0	100.0	11262	0.97	16.5	30.89
DISTRICT 8	TENN	TOTAL	7926.7	55.5	34.5	11738	2.02	14.5	26.95
8	VA	GA	716.6	52.5	44.4	11985	1.31	13.2	29.06
8	VA	IND	29.9	100.0	100.0	11364	0.92	14.7	27.48
8	VA	MICH	13.8	100.0	0.0	12250	2.32	10.2	30.75
8	VA	MO	1.0	0.0	100.0	12800	1.00	10.0	31.44
8	VA	N J	463.7	75.6	10.2	13429	1.21	7.1	43.86
8	VA	N C	6895.2	44.6	27.0	12022	1.09	13.8	28.76
8	VA	OHIO	15.1	64.9	0.0	11356	1.51	15.6	27.98
8	VA	S C	669.2	80.9	67.4	12272	1.25	12.0	30.53
8	VA	TENN	452.4	41.3	69.8	11648	1.73	14.5	23.78
8	VA	VA	2341.1	37.6	12.3	12014	0.97	15.1	31.28
8	VA	W VA	452.2	57.7	9.3	11561	0.95	15.6	30.35
DISTRICT 8	VA	TOTAL	12050.1	47.5	27.8	12053	1.11	13.7	29.82
8	W VA	ILL	1.5	100.0	100.0	12220	0.81	12.1	33.58
8	W VA	IND	94.5	89.8	89.8	11940	0.88	13.0	25.79
8	W VA	KY	34.7	91.7	100.0	11581	1.44	18.5	25.25
8	W VA	MICH	882.4	90.4	17.6	12370	3.00	13.3	31.04
8	W VA	MINN	0.3	0.0	100.0	13200	2.40	6.0	52.32
8	W VA	MO	42.0	100.0	100.0	10800	0.80	15.0	22.31
8	W VA	N C	2839.6	27.5	31.5	11927	0.90	14.8	29.07
8	W VA	OHIO	1842.9	43.8	30.6	11193	1.26	16.9	23.38
8	W VA	S C	56.3	99.3	100.0	11815	0.96	13.7	34.89
8	W VA	VA	433.0	18.6	25.9	12335	0.93	11.2	33.05
8	W VA	W VA	6648.2	40.0	14.2	11520	0.87	15.5	26.80
8	W VA	WISC	18.9	0.0	9.1	11762	2.74	12.0	33.89
DISTRICT 8	W VA	TOTAL	12894.4	41.4	22.4	11651	1.08	15.2	27.33
DISTRICT 8		TOTAL	94448.7	65.5	35.7	11796	1.26	13.2	28.31

ORIGIN AND DESTINATION OF COAL DELIVERED TO STEAM-ELECTRIC PLANTS 25 MW OR GREATER
FOR CALENDAR YEAR 1977

COAL SOURCE USBM DIST	COAL SOURCE STATE	COAL DESTINATION STATE	DELIVERIES 1000 TONS	PCT OF DELIV SURFACE	PCT OF DELIV SPOT	AVG HEAT VALUE BTU/LB	AVG WT PCT SULFUR	AVG WT PCT ASH	AVG DELIV PRICE $ PER TON
9	KY	ALA	4321.2	10.1	8.4	11321	4.01	14.9	25.37
9	KY	FLOR	3578.9	76.3	8.3	11227	2.90	11.0	28.54
9	KY	GA	3626.9	41.5	0.0	11549	2.76	9.3	22.86
9	KY	ILL	681.5	94.3	29.1	11005	2.71	11.6	24.43
9	KY	IND	5295.6	99.2	54.7	11077	3.71	13.1	17.29
9	KY	IOWA	207.5	95.8	4.6	11006	3.29	12.3	21.69
9	KY	KY	14664.8	73.0	13.2	10735	3.84	15.2	15.80
9	KY	MICH	965.9	94.3	8.3	11680	3.11	10.5	22.65
9	KY	MINN	14.4	25.7	0.0	11543	1.71	9.6	30.15
9	KY	MISS	54.0	100.0	100.0	11365	2.82	10.9	26.14
9	KY	MO	305.0	35.7	75.4	11398	3.18	10.1	22.45
9	KY	OHIO	1760.0	71.3	0.0	10825	3.24	15.0	17.28
9	KY	TENN	10652.9	8.0	3.4	10823	3.72	15.8	22.26
9	KY	WISC	2029.4	66.9	10.0	11240	3.63	12.6	23.79
DISTRICT 9		TOTAL	48158.1	54.0	13.8	10996	3.59	14.0	20.47
10	ILL	FLOR	1081.5	5.2	0.0	11728	3.20	9.7	24.55
10	ILL	ILL	18315.6	41.1	18.3	10502	3.22	12.0	18.07
10	ILL	IND	3676.3	13.7	1.4	10668	2.11	13.0	19.98
10	ILL	IOWA	2099.4	91.8	6.5	10684	2.69	9.1	21.79
10	ILL	KY	1000.5	44.5	0.3	10471	3.38	15.8	19.58
10	ILL	MICH	563.1	95.7	12.4	11409	2.89	9.2	26.13
10	ILL	MINN	1152.2	66.7	2.4	11191	3.20	10.7	22.59
10	ILL	MISS	627.6	100.0	3.4	11546	2.62	13.2	18.72
10	ILL	MO	12890.6	74.2	3.3	10966	2.82	10.7	15.75
10	ILL	TENN	267.5	0.0	0.0	10410	2.14	16.1	22.46
10	ILL	WISC	3885.0	46.6	3.2	11074	2.60	10.0	22.57
DISTRICT 10		TOTAL	45559.8	52.2	9.3	10775	2.92	11.4	18.56
11	IND	FLOR	47.7	93.5	0.0	11073	2.89	10.8	30.50
11	IND	GA	1256.1	0.9	0.0	10888	1.05	9.6	17.17
11	IND	ILL	485.3	100.0	55.1	10850	2.71	11.1	22.55
11	IND	IND	19282.8	99.9	11.6	10790	2.89	11.2	15.05
11	IND	IOWA	9.1	77.8	0.0	11154	2.60	11.1	18.20
11	IND	KY	1869.8	100.0	28.3	10994	2.78	10.1	16.71
11	IND	MICH	20.7	100.0	100.0	11379	3.93	10.3	23.97
11	IND	MO	57.0	100.0	100.0	11000	1.14	9.7	26.74
11	IND	OHIO	21.2	100.0	0.0	10784	3.21	12.7	17.61
11	IND	TENN	503.6	100.0	8.2	11119	3.43	10.1	24.05
11	IND	WISC	711.8	100.0	15.3	11130	3.33	9.7	21.58
DISTRICT 11		TOTAL	24265.1	94.8	13.4	10831	2.80	10.9	15.89
12	IOWA	IOWA	485.9	43.4	27.5	9381	3.84	15.6	15.23
DISTRICT 12		TOTAL	485.9	43.4	27.5	9381	3.84	15.6	15.23
13	ALA	ALA	12513.8	65.0	37.2	11692	1.39	14.3	26.30
13	ALA	FLOR	324.2	19.1	19.1	12448	2.20	11.6	32.21
13	ALA	GA	881.3	100.0	0.0	12123	1.78	13.5	27.00
13	ALA	ILL	2.2	100.0	100.0	11910	0.78	12.4	23.82
13	ALA	MISS	279.0	100.0	27.2	11865	1.61	13.2	28.76
13	ALA	S C	0.3	100.0	100.0	12000	1.50	13.0	33.60
13	ALA	TENN	0.2	0.0	100.0	12000	1.50	14.4	28.99
DISTRICT 13	ALA	TOTAL	14001.0	66.8	34.3	11740	1.43	14.1	26.53
13	GA	GA	0.7	100.0	100.0	12500	2.50	10.0	33.60
13	GA	S C	4.5	95.0	100.0	12664	1.44	10.0	34.14
DISTRICT 13	GA	TOTAL	5.2	95.7	100.0	12642	1.58	10.0	34.07
13	TENN	ALA	91.2	100.0	100.0	11966	2.84	14.4	22.75
13	TENN	ILL	26.0	100.0	100.0	10677	1.76	20.5	31.89
13	TENN	MINN	26.8	66.5	0.0	11436	1.67	9.6	29.86
13	TENN	MO	4.0	100.0	100.0	12225	1.20	9.0	30.28
13	TENN	N C	3.5	100.0	100.0	11354	1.43	15.9	32.56
13	TENN	S C	1.8	100.0	100.0	9567	2.27	26.0	27.09
13	TENN	TENN	7.9	86.5	100.0	12406	2.77	13.9	18.41
DISTRICT 13	TENN	TOTAL	161.1	93.8	83.4	11658	2.39	14.6	25.64
DISTRICT 13		TOTAL	14167.4	67.2	34.9	11739	1.44	14.1	26.53
14	ARK	MISS	0.2	100.0	100.0	14413	1.30	4.7	43.56
DISTRICT 14	ARK	TOTAL	0.2	100.0	100.0	14413	1.30	4.7	43.56
14	OKLA	IOWA	1.4	100.0	100.0	12350	0.70	9.0	32.04
14	OKLA	MINN	5.6	71.0	100.0	11970	3.28	12.1	32.41
14	OKLA	MISS	12.5	100.0	100.0	11579	2.97	12.8	29.70
14	OKLA	MO	72.0	100.0	0.0	11627	3.45	13.0	12.00
14	OKLA	S D	2.0	100.0	100.0	10631	4.30	21.8	25.26
14	OKLA	WISC	1.5	100.0	0.0	11140	6.33	14.6	33.31
DISTRICT 14	OKLA	TOTAL	95.0	98.3	22.7	11623	3.40	13.1	16.45
DISTRICT 14		TOTAL	95.2	98.3	22.8	11629	3.40	13.1	16.51

ORIGIN AND DESTINATION OF COAL DELIVERED TO STEAM-ELECTRIC PLANTS 25 MW OR GREATER
FOR CALENDAR YEAR 1977

COAL SOURCE USBM DIST	STATE	COAL DESTINATION STATE	DELIVERIES 1000 TONS	PCT OF DELIV SURFACE	SPOT	AVG HEAT VALUE BTU/LB	AVG WT PCT SULFUR	ASH	AVG DELIV PRICE $ PER TON
15	KAN	KAN	2190.0	100.0	21.3	9647	4.65	25.1	10.57
15	KAN	MO	544.0	100.0	31.9	11640	3.36	14.9	23.38
15	KAN	NEB	10.3	100.0	100.0	11567	0.49	8.2	28.32
DISTRICT 15	KAN	TOTAL	2744.3	100.0	23.7	10049	4.38	23.0	13.17
15	MO	ILL	0.0	100.0	100.0	10500	3.46	14.0	19.99
15	MO	IOWA	308.5	100.0	3.1	10420	2.55	8.9	24.30
15	MO	MO	3633.4	100.0	0.6	9768	4.98	19.7	11.87
DISTRICT 15	MO	TOTAL	3941.9	100.0	0.8	9819	4.79	18.8	12.84
15	OKLA	IOWA	59.0	100.0	100.0	12211	3.37	12.0	30.35
15	OKLA	KAN	637.1	100.0	31.6	12263	3.07	11.1	22.40
15	OKLA	MINN	6.6	90.9	100.0	12023	3.26	11.2	29.38
15	OKLA	MO	2038.3	100.0	17.3	11933	3.52	12.4	16.89
15	OKLA	NEB	151.7	100.0	100.0	12279	0.76	8.2	31.61
15	OKLA	S D	4.0	100.0	100.0	10925	3.93	18.8	28.02
15	OKLA	WISC	1.3	100.0	0.0	11820	2.31	11.6	37.16
DISTRICT 15	OKLA	TOTAL	2898.0	100.0	26.8	12028	3.28	11.9	19.20
15	TEX	TEX	14153.0	100.0	0.0	6601	0.66	12.0	4.97
DISTRICT 15	TEX	TOTAL	14153.0	100.0	0.0	6601	0.66	12.0	4.97
DISTRICT 15		TOTAL	23737.2	100.0	6.1	8197	2.09	14.4	8.96
16	COLO	ARIZ	64.1	35.7	100.0	12000	0.55	9.0	30.92
16	COLO	COLO	37.6	56.9	56.9	9907	0.58	13.1	15.90
16	COLO	ILL	1323.4	70.3	39.4	10981	0.60	9.6	33.93
16	COLO	IOWA	261.0	2.3	43.8	10127	0.40	9.9	34.55
16	COLO	NEB	160.6	92.5	89.8	11107	0.33	5.6	24.23
16	COLO	OHIO	15.8	100.0	0.0	10207	0.52	9.3	31.84
DISTRICT 16		TOTAL	1862.5	61.5	46.4	10879	0.55	9.3	32.69
17	COLO	ARIZ	93.0	99.1	100.0	12000	0.54	9.0	30.87
17	COLO	COLO	5137.5	97.9	1.1	10887	0.48	9.5	12.98
17	COLO	ILL	86.0	100.0	0.0	11029	0.61	10.1	32.75
17	COLO	IND	256.6	0.0	0.0	11218	0.42	7.2	36.28
17	COLO	IOWA	26.5	0.0	0.0	11261	0.91	9.7	32.54
17	COLO	NEB	68.3	72.9	100.0	10980	0.48	9.3	25.16
DISTRICT 17		TOTAL	5667.9	92.8	3.9	10925	0.49	9.4	14.87
18	ARIZ	ARIZ	6753.8	100.0	11.0	10786	0.43	9.5	7.23
18	ARIZ	NEV	4568.0	100.0	0.0	10896	0.41	10.2	9.52
DISTRICT 18	ARIZ	TOTAL	11321.8	100.0	6.6	10831	0.42	9.8	8.15
18	N M	ARIZ	706.0	100.0	21.2	10038	0.47	13.1	20.51
18	N M	N M	9121.6	100.0	0.0	8957	0.70	21.5	5.27
DISTRICT 18	N M	TOTAL	9827.6	100.0	1.5	9035	0.68	20.9	6.37
DISTRICT 18		TOTAL	21149.4	100.0	4.2	9996	0.54	15.0	7.32
19	WYO	ALA	43.2	100.0	100.0	8150	0.30	6.3	23.23
19	WYO	COLO	3140.2	100.0	0.0	8811	0.47	6.0	11.04
19	WYO	ILL	3673.4	100.0	4.9	9637	0.58	8.8	24.87
19	WYO	IND	2580.3	97.8	0.0	10042	0.57	9.9	25.28
19	WYO	IOWA	4056.6	87.1	0.9	9643	0.57	9.4	19.18
19	WYO	KAN	3333.3	100.0	0.1	8913	0.43	7.5	15.15
19	WYO	KY	41.7	100.0	100.0	8150	0.30	6.3	22.46
19	WYO	MO	841.7	100.0	9.0	10109	0.57	10.6	19.89
19	WYO	NEB	1764.0	100.0	33.1	10325	0.68	8.5	20.43
19	WYO	OHIO	3620.7	100.0	0.0	8327	0.46	5.9	19.95
19	WYO	OKLA	1919.6	100.0	0.0	8401	0.36	5.4	18.07
19	WYO	S D	211.2	100.0	0.0	8052	0.43	5.6	8.52
19	WYO	TENN	41.3	100.0	100.0	8150	0.30	6.3	19.98
19	WYO	TEX	4939.7	100.0	0.0	8291	0.37	6.0	17.42
19	WYO	WISC	703.0	100.0	6.1	10475	0.66	11.1	16.79
19	WYO	WYO	11281.2	100.0	2.3	8813	0.52	10.1	6.11
DISTRICT 19		TOTAL	42191.0	98.6	3.1	9037	0.50	8.3	15.42
20	UTAH	ARIZ	538.2	0.0	100.0	11296	0.50	11.0	25.29
20	UTAH	IND	126.6	0.0	0.0	11481	0.68	13.2	31.35
20	UTAH	MO	132.0	0.0	0.0	11400	0.80	8.0	37.51
20	UTAH	NEB	160.2	0.0	100.0	12126	0.70	8.8	31.92
20	UTAH	NEV	828.4	0.0	0.0	12056	0.60	9.0	26.23
20	UTAH	OHIO	812.7	0.0	0.0	10975	0.56	12.9	38.33
20	UTAH	UTAH	2419.0	0.0	0.0	11640	0.68	13.0	17.18
DISTRICT 20		TOTAL	5017.1	0.0	13.9	11569	0.63	11.9	24.34

ORIGIN AND DESTINATION OF COAL DELIVERED TO STEAM-ELECTRIC PLANTS 25 MW OR GREATER
FOR CALENDAR YEAR 1977

COAL SOURCE USBM DIST	STATE	COAL DESTINATION STATE	DELIVERIES 1000 TONS	PCT OF DELIV SURFACE	SPOT	AVG HEAT VALUE BTU/LB	AVG WT PCT SULFUR	ASH	AVG DELIV PRICE $ PER TON
21	N D	MINN	768.3	100.0	2.6	7060	0.77	6.8	9.89
21	N D	N D	6507.9	100.0	0.0	6645	0.59	11.0	5.12
21	N D	S D	2237.2	100.0	0.0	6122	0.80	7.8	6.71
DISTRICT 21		TOTAL	9513.4	100.0	0.2	6556	0.65	9.9	5.88
22	MONT	ILL	6172.9	100.0	0.0	9504	0.39	4.7	22.13
22	MONT	IND	1315.0	100.0	0.0	9590	0.37	4.1	21.14
22	MONT	IOWA	160.1	100.0	6.2	8572	0.80	10.7	15.04
22	MONT	MICH	2549.0	100.0	0.0	9604	0.40	4.4	18.60
22	MONT	MINN	9929.2	100.0	0.4	8626	0.83	9.7	11.98
22	MONT	MONT	3223.4	100.0	0.0	8492	0.72	9.1	4.81
22	MONT	S D	12.0	100.0	100.0	8669	0.82	9.1	20.96
22	MONT	WISC	2592.1	100.0	4.6	8564	0.78	8.7	12.83
DISTRICT 22		TOTAL	25953.7	100.0	0.7	8957	0.64	7.6	14.73
23	WASH	WASH	4550.0	100.0	0.0	8100	0.59	15.2	11.72
DISTRICT 23		TOTAL	4550.0	100.0	0.0	8100	0.59	15.2	11.72
PENN ANTHRACITE		N Y	27.9	100.0	100.0	10447	0.97	19.3	21.91
PENN ANTHRACITE		PA	1142.0	99.8	82.6	8562	0.68	27.4	9.56
PENN ANTHRACITE		TOTAL	1169.9	99.8	83.0	8607	0.69	27.3	9.86
POLAND		FLOR	305.1	67.0	0.0	11888	1.31	9.2	30.33
POLAND		TOTAL	305.1	67.0	0.0	11888	1.31	9.2	30.33
SOUTH AFRICA		FLOR	746.0	0.0	0.0	11663	0.74	14.0	29.92
SOUTH AFRICA		MISS	59.5	0.0	100.0	11513	0.67	13.6	27.61
SOUTH AFRICA		TOTAL	805.5	0.0	7.4	11652	0.74	14.0	29.75
AUSTRALIA		MISS	117.5	0.0	100.0	11363	0.64	13.6	32.09
AUSTRALIA		TOTAL	117.5	0.0	100.0	11363	0.64	13.6	32.09
IMPORTS		TOTAL	1228.1	16.6	14.4	11683	0.87	12.8	30.12
		NATIONAL TOTAL	490414.8	70.5	19.4	10755	1.95	12.8	20.37

IV. DESTINATION-BY-ORIGIN DATA AGGREGATED BY GEOGRAPHIC REGION AND STATE

ANNUAL TABLES, 1977

The percentages shown under the heading "PCT OF DELV" SURFACE and SPOT represent the percent of total coal shipments surface-mined (as opposed to coal mined underground) and the percent purchased on the spot market (as opposed to coal purchased under contract.) The sum of the two columns <u>should</u> <u>not</u> equal 100 percent.

DESTINATION AND ORIGIN OF COAL DELIVERED TO STEAM-ELECTRIC PLANTS 25 MW OR GREATER
FOR YEAR 1977

COAL DESTINATION STATE	COAL SOURCE USBM DIST	COAL SOURCE STATE	DELIVERIES 1000 TONS	PCT OF DELIV SUBFACE	PCT OF DELIV SPOT	AVG HEAT VALUE BTU/LB	AVG WT PCT SULFUR	AVG WT PCT ASH	AVG DELIV PRICE $ PER TON
N H	2	PA	0.2	0.0	100.0	13177	2.34	6.9	39.21
N H	3	W VA	959.9	0.0	3.4	13364	2.33	7.2	34.77
TOTAL FOR N H			960.1	0.0	3.4	13364	2.33	7.2	34.77
VT	1	PA	19.3	0.0	100.0	12862	1.54	11.3	35.32
VT	2	PA	0.7	0.0	100.0	12627	1.15	13.5	37.33
TOTAL FOR VT			19.9	0.0	100.0	12854	1.53	11.3	35.39
TOTAL FOR NEW ENGLAND REGION			980.0	0.0	5.3	13354	2.32	7.3	34.78
N J	1	PA	574.6	82.3	9.4	12977	1.22	10.4	36.02
N J	1	W VA	164.8	0.0	0.0	13245	1.32	9.4	40.07
N J	2	PA	1.0	0.0	100.0	12960	1.70	7.7	36.70
N J	3	W VA	1295.2	86.3	1.2	12773	2.37	11.0	33.47
N J	7	VA	3.7	0.0	0.0	13708	0.68	5.9	44.00
N J	8	KY	194.3	78.3	9.2	13156	0.88	5.5	41.89
N J	8	VA	463.7	75.6	10.2	13429	1.21	7.1	43.86
TOTAL FOR N J			2697.3	77.6	5.0	12987	1.75	9.7	36.84
N Y	1	MD	30.4	100.0	100.0	11420	2.12	17.9	24.88
N Y	1	PA	4600.7	83.5	41.3	11759	1.81	15.9	25.20
N Y	2	PA	656.6	29.9	76.5	12849	1.83	8.9	34.22
N Y	3	W VA	528.6	8.7	59.1	13188	2.37	8.3	33.68
N Y	8	KY	618.0	100.0	7.0	13238	1.26	4.9	42.31
N Y	PENN ANTHRACITE		27.9	100.0	100.0	10447	0.97	19.3	21.91
TOTAL FOR N Y			6462.2	73.6	43.6	12121	1.80	13.5	28.43
PA	1	MD	203.1	79.8	100.0	11629	2.32	15.8	23.67
PA	1	PA	24977.0	46.0	22.5	12070	2.10	15.5	25.43
PA	1	W VA	32.3	100.0	43.3	12058	1.58	13.4	25.73
PA	2	PA	5426.9	77.7	46.4	11707	2.08	15.7	21.40
PA	3	W VA	4761.5	39.0	29.2	12663	2.44	11.5	23.71
PA	4	OHIO	1206.6	5.3	6.2	11538	3.25	15.8	24.91
PA	6	W VA	214.0	31.9	47.7	12263	2.63	11.7	26.24
PA	8	KY	14.4	67.0	0.0	11589	0.76	11.4	33.30
PA	PENN ANTHRACITE		1142.0	99.8	82.6	8562	0.68	27.4	9.56
TOTAL FOR PA			37977.8	50.1	28.6	11968	2.13	15.4	24.14
TOTAL FOR MIDDLE ATLANTIC REGION			47137.3	54.9	29.3	12048	2.07	14.8	25.46

DESTINATION AND ORIGIN OF COAL DELIVERED TO STEAM-ELECTRIC PLANTS 25 MW OR GREATER
FOR YEAR 1977

COAL DESTINATION STATE	COAL SOURCE USBM DIST	COAL SOURCE STATE	DELIVERIES 1000 TONS	PCT OF DELIV SURFACE	PCT OF DELIV SPOT	AVG HEAT VALUE BTU/LB	AVG WT PCT SULFUR	AVG WT PCT ASH	AVG DELIV PRICE $ PER TON
ILL	6	W VA	1.5	100.0	100.0	12170	1.44	11.5	33.45
ILL	8	KY	1073.2	44.5	92.7	12012	1.12	10.4	33.63
ILL	8	TENN	1.0	100.0	100.0	11581	1.11	18.7	29.79
ILL	8	W VA	1.5	100.0	100.0	12220	0.81	12.1	33.58
ILL	9	KY	681.5	94.3	29.1	11005	2.71	11.6	24.43
ILL	10	ILL	18315.6	41.1	18.3	10502	3.22	12.0	18.07
ILL	11	IND	485.3	100.0	55.1	10850	2.71	11.1	22.55
ILL	13	ALA	2.2	100.0	100.0	11910	0.78	12.4	23.82
ILL	13	TENN	26.0	100.0	100.0	10677	1.76	20.5	31.89
ILL	15	MO	0.0	100.0	100.0	10500	3.46	14.0	19.99
ILL	16	COLO	1323.4	70.3	39.4	10981	0.60	9.6	33.93
ILL	17	COLO	86.0	100.0	0.0	11029	0.61	10.1	32.75
ILL	19	WYO	3673.4	100.0	4.9	9637	0.58	8.8	24.87
ILL	22	MONT	6172.9	100.0	0.0	9504	0.39	4.7	22.13
TOTAL FOR ILL			31843.6	62.9	17.4	10298	2.16	10.1	21.08
IND	2	PA	5.8	100.0	100.0	10318	2.00	19.0	21.58
IND	4	OHIO	54.9	100.0	100.0	10512	1.67	14.7	22.59
IND	8	KY	404.4	98.4	39.1	11196	1.95	13.0	22.00
IND	8	TENN	10.7	100.0	0.0	11028	4.08	10.0	18.33
IND	8	VA	29.9	100.0	100.0	11364	0.92	14.7	27.48
IND	8	W VA	94.5	89.8	89.8	11940	0.88	13.0	25.79
IND	9	KY	5295.6	99.2	54.7	11077	3.71	13.1	17.29
IND	10	ILL	3676.3	13.7	1.4	10668	2.11	13.0	19.98
IND	11	IND	19282.8	99.9	11.6	10790	2.89	11.2	15.05
IND	17	COLO	256.6	0.0	0.0	11218	0.42	7.2	36.28
IND	19	WYO	2580.3	97.8	0.0	10042	0.57	9.9	25.28
IND	20	UTAH	126.6	0.0	0.0	11481	0.68	13.2	31.35
IND	22	MONT	1315.0	100.0	0.0	9590	0.37	4.1	21.14
TOTAL FOR IND			33133.5	88.9	16.6	10731	2.60	11.3	17.36
MICH	1	MD	28.0	100.0	0.0	12620	1.45	12.8	34.21
MICH	1	PA	1209.0	100.0	42.9	12419	2.72	11.2	28.79
MICH	2	PA	21.0	100.0	28.6	12810	1.30	10.3	30.39
MICH	3	W VA	3840.0	3.9	0.8	12810	2.75	11.1	23.17
MICH	4	OHIO	5965.3	64.3	14.0	11562	2.82	12.9	26.03
MICH	6	W VA	300.2	100.0	0.0	12577	2.81	11.7	28.75
MICH	7	VA	38.6	67.0	0.0	12192	2.57	11.4	32.14
MICH	8	KY	4922.3	75.0	26.8	12110	0.95	10.5	30.06
MICH	8	VA	13.8	100.0	0.0	12250	2.32	10.2	30.75
MICH	8	W VA	882.4	90.4	17.6	12370	3.00	13.3	31.04
MICH	9	KY	965.9	94.3	8.3	11680	3.11	10.5	22.69
MICH	10	ILL	563.1	95.7	12.4	11409	2.89	9.2	26.13
MICH	11	IND	20.7	100.0	100.0	11379	3.93	10.3	23.97
MICH	22	MONT	2549.0	100.0	0.0	9604	0.40	4.4	18.60
TOTAL FOR MICH			21319.4	66.1	14.2	11781	2.10	10.7	25.84
OHIO	1	MD	31.8	88.5	100.0	11387	2.28	16.2	24.33
OHIO	1	PA	115.0	100.0	100.0	12341	3.05	11.3	27.86
OHIO	2	PA	1748.2	98.1	73.4	11617	3.47	15.2	22.80
OHIO	3	W VA	737.3	93.7	89.0	12228	2.64	12.6	28.35
OHIO	4	OHIO	32340.7	66.8	34.9	10944	3.57	16.3	21.27
OHIO	6	W VA	2565.6	1.6	13.2	11637	3.74	13.9	16.39
OHIO	7	VA	21.5	33.0	0.0	11312	1.47	15.7	29.06
OHIO	7	W VA	1.2	100.0	100.0	12645	2.00	10.5	30.85
OHIO	8	KY	7405.4	80.4	33.4	11283	1.01	14.6	26.28
OHIO	8	TENN	0.1	100.0	100.0	11115	2.39	16.8	30.90
OHIO	8	VA	15.1	64.9	0.0	11356	1.51	15.6	27.98
OHIO	8	W VA	1842.9	43.8	30.6	11193	1.26	16.9	23.38
OHIO	9	KY	1760.0	71.3	0.0	10825	3.24	15.0	17.28
OHIO	11	IND	21.2	100.0	0.0	10784	3.21	12.7	17.61
OHIO	16	COLO	15.8	100.0	0.0	10207	0.52	9.3	31.84
OHIO	19	WYO	3620.7	100.0	0.0	8327	0.46	5.9	19.95
OHIO	20	UTAH	812.7	0.0	0.0	10975	0.56	12.9	38.33
TOTAL FOR OHIO			53055.3	67.6	31.6	10895	2.85	15.1	22.02
WISC	1	PA	370.3	100.0	17.0	12679	2.87	10.2	29.94
WISC	2	PA	199.6	100.0	17.1	12179	2.80	13.0	27.32
WISC	3	W VA	17.2	0.0	100.0	11940	2.49	10.2	33.77
WISC	4	OHIO	37.3	100.0	0.0	11903	3.32	7.1	24.33
WISC	8	KY	150.0	62.2	92.9	12137	1.03	10.6	34.63
WISC	8	W VA	18.9	0.0	9.1	11762	2.74	12.0	33.89
WISC	9	KY	2029.4	66.9	10.0	11240	3.62	12.6	23.79
WISC	10	ILL	3885.0	46.6	3.2	11074	2.60	10.0	22.57
WISC	11	IND	711.8	100.0	15.3	11130	3.33	9.7	21.58
WISC	14	OKLA	1.5	100.0	0.0	11140	6.33	14.6	33.31
WISC	15	OKLA	1.3	100.0	0.0	11820	2.31	11.6	37.16
WISC	19	WYO	703.0	100.0	6.1	10475	0.66	11.1	16.79
WISC	22	MONT	2592.1	100.0	4.6	8564	0.78	8.7	12.83
TOTAL FOR WISC			10717.5	73.5	8.0	10559	2.27	10.3	20.56
TOTAL FOR EAST NORTH CENTRAL REGION			150069.3	71.5	21.1	10834	2.50	12.2	21.23

DESTINATION AND ORIGIN OF COAL DELIVERED TO STEAM-ELECTRIC PLANTS 25 MW OR GREATER
FOR YEAR 1977

COAL DESTINATION STATE	COAL SOURCE USBM DIST	COAL SOURCE STATE	DELIVERIES 1000 TONS	PCT OF DELIV SURFACE	PCT OF DELIV SPOT	AVG HEAT VALUE BTU/LB	AVG WT PCT SULFUR	AVG WT PCT ASH	AVG DELIV PRICE $ PER TON
ICWA	9	KY	207.5	95.8	4.6	11006	3.29	12.3	21.69
ICWA	10	ILL	2099.4	91.8	6.5	10684	2.69	9.1	21.79
ICWA	11	IND	9.1	77.8	0.0	11154	2.60	11.1	18.20
ICWA	12	IOWA	485.9	43.4	27.5	9381	3.84	15.6	15.23
ICWA	14	OKLA	1.4	100.0	100.0	12350	0.70	9.0	32.04
IOWA	15	MO	308.5	100.0	3.1	10420	2.55	8.9	24.30
IOWA	15	OKLA	59.0	100.0	100.0	12211	3.37	12.0	30.35
ICWA	16	COLO	261.0	2.3	43.8	10127	0.40	9.9	34.55
IOWA	17	COLO	26.5	0.0	0.0	11261	0.91	9.7	32.54
IOWA	19	WYO	4056.6	87.1	0.9	9643	0.57	9.4	19.18
ICWA	22	MONT	160.1	100.0	6.2	8572	0.80	10.7	15.04
TOTAL FOR IOWA			7675.1	83.4	6.6	10001	1.54	9.8	20.49
KAN	15	KAN	2190.0	100.0	21.3	9647	4.65	25.1	10.57
KAN	15	OKLA	637.1	100.0	31.6	12263	3.07	11.1	22.40
KAN	19	WYO	3333.3	100.0	0.1	8913	0.43	7.5	15.15
TOTAL FOR KAN			6160.4	100.0	10.9	9521	2.20	14.1	14.27
MINN	3	W VA	0.5	0.0	100.0	13160	2.70	6.3	49.56
MINN	4	OHIO	8.5	0.0	0.0	13065	2.35	7.6	47.13
MINN	8	KY	4.2	0.0	0.0	13094	0.77	7.2	45.07
MINN	8	W VA	0.3	0.0	100.0	13200	2.40	6.0	52.32
MINN	9	KY	14.4	25.7	0.0	11543	1.71	9.6	30.15
MINN	10	ILL	1152.2	66.7	2.4	11191	3.20	10.7	22.59
MINN	13	TENN	26.8	66.5	0.0	11436	1.67	9.6	29.86
MINN	14	OKLA	5.6	71.0	100.0	11970	3.28	12.1	32.41
MINN	15	OKLA	6.6	90.9	100.0	12023	3.26	11.2	29.38
MINN	21	N D	768.3	100.0	2.6	7060	0.77	6.8	9.89
MINN	22	MONT	9929.2	100.0	0.4	8626	0.83	9.7	11.98
TOTAL FOR MINN			11916.6	96.5	0.9	8792	1.06	9.6	12.99
MO	2	PA	114.0	100.0	100.0	12500	1.25	10.0	29.61
MO	3	W VA	7.0	0.0	100.0	11223	1.69	15.9	22.75
MO	7	VA	441.0	5.7	100.0	11964	1.02	12.4	31.49
MO	8	KY	231.0	89.2	100.0	11833	1.22	11.2	32.57
MO	8	VA	1.0	0.0	100.0	12800	1.00	10.0	31.44
MO	8	W VA	42.0	100.0	100.0	10800	0.80	15.0	22.31
MO	9	KY	305.0	35.7	75.4	11398	3.18	10.1	22.49
MO	10	ILL	12890.6	74.2	3.3	10966	2.82	10.7	15.75
MO	11	IND	57.0	100.0	100.0	11000	1.14	9.7	26.74
MO	13	TENN	4.0	100.0	100.0	12225	1.20	9.0	30.28
MO	14	OKLA	72.0	100.0	0.0	11627	3.45	13.0	12.00
MO	15	KAN	544.0	100.0	31.9	11640	3.36	14.9	23.38
MO	15	MO	3633.4	100.0	0.6	9768	4.98	19.7	11.87
MO	15	OKLA	2038.3	100.0	17.3	11933	3.52	12.4	16.89
MO	19	WYO	841.7	100.0	9.0	10109	0.57	10.6	19.89
MO	20	UTAH	132.0	0.0	0.0	11400	0.80	8.0	37.51
TOTAL FOR MO			21353.9	80.8	10.2	10887	3.10	12.5	16.40
NEB	15	KAN	10.3	100.0	100.0	11567	0.49	8.2	28.32
NEB	15	OKLA	151.7	100.0	100.0	12279	0.76	8.2	31.61
NEB	16	COLO	160.6	92.5	89.8	11107	0.33	5.6	24.23
NEB	17	COLO	68.3	72.9	100.0	10980	0.48	9.3	25.16
NEB	19	WYO	1764.0	100.0	33.1	10325	0.68	8.5	20.43
NEB	20	UTAH	160.2	0.0	100.0	12126	0.70	8.8	31.92
TOTAL FOR NEB			2315.0	91.8	48.3	10657	0.65	8.3	22.39
N D	21	N D	6507.9	100.0	0.0	6645	0.59	11.0	5.12
S D	14	OKLA	2.0	100.0	100.0	10631	4.30	21.8	25.26
S D	15	OKLA	4.0	100.0	100.0	10925	3.93	18.8	28.02
S D	19	WYO	211.2	100.0	0.0	8052	0.43	5.6	8.52
S D	21	N D	2237.2	100.0	0.0	6122	0.80	7.8	6.71
S D	22	MONT	12.0	100.0	100.0	8669	0.82	9.1	20.96
TOTAL FOR S D			2466.4	100.0	0.7	6311	0.78	7.6	6.99
TOTAL FOR WEST NORTH CENTRAL REGION			58395.4	89.8	7.9	9524	1.91	11.2	14.60

DESTINATION AND ORIGIN OF COAL DELIVERED TO STEAM-ELECTRIC PLANTS 25 MW OR GREATER
FOR YEAR 1977

COAL DESTINATION STATE	COAL SOURCE USBM DIST	COAL SOURCE STATE	DELIVERIES 1000 TONS	PCT OF DELIV SURFACE	PCT OF DELIV SPOT	AVG HEAT VALUE BTU/LB	AVG WT PCT SULFUR	AVG WT PCT ASH	AVG DELIV PRICE $ PER TON
DEL	1	PA	704.0	100.0	55.3	12088	1.94	13.5	26.40
FLOR	8	KY	931.4	70.1	0.0	12173	1.24	9.2	36.41
FLOR	9	KY	3578.9	76.3	8.3	11227	2.90	11.0	28.54
FLOR	10	ILL	1081.5	5.2	0.0	11728	3.20	9.7	24.55
FLOR	11	IND	47.7	93.5	0.0	11073	2.89	10.8	30.50
FLOR	13	ALA	324.2	19.1	19.1	12448	2.20	11.6	32.21
FLOR	*	POLAND	305.1	67.0	0.0	11888	1.31	9.2	30.33
FLOR	*	SOUTH AFRICA	746.0	0.0	0.0	11663	0.74	14.0	29.92
TOTAL FOR FLOR			7014.8	53.5	5.1	11560	2.39	10.9	29.38
GA	8	KY	9844.6	97.5	57.3	12037	1.48	11.9	27.63
GA	8	TENN	1767.0	58.2	53.8	11974	1.31	12.6	28.15
GA	8	VA	716.6	52.5	44.4	11985	1.31	13.2	29.06
GA	9	KY	3626.9	41.5	0.0	11549	2.76	9.3	22.86
GA	11	IND	1256.1	0.9	0.0	10888	1.05	9.6	17.17
GA	13	ALA	881.3	100.0	0.0	12123	1.78	13.5	27.00
GA	13	GA	0.7	100.0	100.0	12500	2.50	10.0	33.60
TOTAL FOR GA			18093.2	74.1	38.2	11855	1.70	11.4	26.02
MD	1	MD	848.5	98.8	13.1	11894	1.48	14.2	26.72
MD	1	PA	3226.7	96.2	25.3	12099	1.63	13.5	26.43
MD	2	PA	184.0	100.0	91.3	12311	1.72	12.5	27.47
MD	3	W VA	897.0	50.1	22.7	12853	1.05	9.8	42.09
MD	7	W VA	0.1	100.0	100.0	11800	1.00	15.0	25.02
TOTAL FOR MD			5156.2	88.7	25.2	12204	1.51	13.0	29.24
N C	4	OHIO	0.7	100.0	100.0	11700	2.00	10.0	34.75
N C	7	VA	163.2	69.7	100.0	11952	1.15	12.2	32.19
N C	7	W VA	285.9	53.5	70.1	12067	0.94	14.5	29.70
N C	8	KY	10496.1	43.1	34.5	11873	1.04	12.2	30.35
N C	8	TENN	1171.9	58.2	60.4	11931	1.41	12.3	29.20
N C	8	VA	6895.2	44.6	27.0	12022	1.09	13.8	28.76
N C	8	W VA	2839.6	27.5	31.5	11927	0.90	14.8	29.07
N C	13	TENN	3.5	100.0	100.0	11354	1.43	15.9	32.56
TOTAL FOR N C			21856.0	42.7	34.1	11933	1.06	13.1	29.63
S C	8	KY	6197.6	65.3	43.5	11909	1.32	12.6	29.42
S C	8	TENN	366.3	91.2	99.8	11756	1.75	13.9	30.70
S C	8	VA	669.2	80.9	67.4	12272	1.25	12.0	30.53
S C	8	W VA	56.3	99.3	100.0	11815	0.96	13.7	34.89
S C	13	ALA	0.3	100.0	100.0	12000	1.50	13.0	33.60
S C	13	GA	4.5	95.0	100.0	12664	1.44	10.0	34.14
S C	13	TENN	1.8	100.0	100.0	9567	2.27	26.0	27.09
TOTAL FOR S C			7296.0	68.3	49.0	11934	1.33	12.6	29.63
VA	1	MD	9.0	100.0	100.0	13020	1.05	10.3	45.18
VA	1	PA	1.0	100.0	100.0	12568	1.26	10.6	44.99
VA	3	W VA	229.0	0.0	100.0	13192	0.79	7.9	48.78
VA	7	VA	431.9	56.3	4.6	11497	0.96	16.6	28.21
VA	7	W VA	100.9	48.6	79.5	12308	0.82	13.8	28.58
VA	8	KY	1968.9	67.3	51.5	12358	1.00	10.2	34.77
VA	8	TENN	2.0	100.0	100.0	12617	1.12	7.8	27.81
VA	8	VA	2341.1	37.6	12.3	12014	0.97	15.1	31.28
VA	8	W VA	433.0	18.6	25.9	12335	0.93	11.2	33.05
TOTAL FOR VA			5516.7	46.9	31.8	12178	0.97	12.8	33.12
W VA	1	MD	1053.3	87.0	100.0	11301	1.58	17.8	19.92
W VA	1	W VA	2023.0	52.1	9.3	11456	2.04	18.0	20.23
W VA	2	PA	200.6	100.0	95.1	10967	2.49	19.3	19.10
W VA	3	W VA	8958.9	29.7	18.6	12119	2.39	14.1	23.25
W VA	4	OHIO	1078.8	100.0	91.8	10723	2.65	18.4	19.11
W VA	6	W VA	3350.1	0.0	0.8	11444	4.13	16.7	16.70
W VA	7	VA	595.6	49.5	0.1	11149	0.93	17.4	28.28
W VA	8	KY	4143.3	90.9	28.0	11566	0.94	13.2	30.39
W VA	8	TENN	4.3	100.0	100.0	11262	0.97	16.5	30.89
W VA	8	VA	452.2	57.7	9.3	11561	0.95	15.6	30.35
W VA	8	W VA	6648.2	40.0	14.2	11520	0.87	15.5	26.80
TOTAL FOR W VA			28508.3	45.2	22.0	11652	1.93	15.3	24.04
TOTAL FOR SOUTH ATLANTIC REGION			94145.2	55.5	29.8	11836	1.59	13.2	27.38

DESTINATION AND ORIGIN OF COAL DELIVERED TO STEAM-ELECTRIC PLANTS 25 MW OR GREATER
FOR YEAR 1977

COAL DESTINATION STATE	COAL SOURCE USBM DIST	COAL SOURCE STATE	DELIVERIES 1000 TONS	PCT OF DELIV SUBRACT	PCT OF DELIV SPOT	AVG HEAT VALUE BTU/LB	AVG WT PCT SULFUR	AVG WT PCT ASH	AVG DELIV PRICE $ PER TON
ALA	4	OHIO	64.0	100.0	0.0	10800	3.50	13.5	19.28
ALA	8	KY	1014.9	100.0	50.6	11474	1.20	13.6	28.49
ALA	8	TENN	213.5	100.0	100.0	11996	1.70	12.0	32.24
ALA	9	KY	4321.2	10.1	8.4	11321	4.01	14.9	25.37
ALA	13	ALA	12513.8	65.0	37.2	11692	1.39	14.3	26.30
ALA	13	TENN	91.2	100.0	100.0	11966	2.84	14.4	22.75
ALA	19	WYO	43.2	100.0	100.0	8150	0.30	6.3	23.23
TOTAL FOR ALA			18261.8	54.8	32.2	11585	2.01	14.3	26.22
KY	4	OHIO	359.5	100.0	52.9	11234	2.63	15.6	20.69
KY	8	KY	7739.8	89.7	52.5	11566	1.32	13.2	24.26
KY	8	TENN	111.2	63.1	100.0	11781	1.51	14.0	29.16
KY	8	W VA	34.7	91.7	100.0	11581	1.44	18.5	25.25
KY	9	KY	14664.8	73.0	13.2	10735	3.84	15.2	15.80
KY	10	ILL	1000.9	44.5	0.3	10471	3.38	15.8	19.58
KY	11	IND	1869.8	100.0	28.3	10994	2.78	10.1	16.71
KY	19	WYO	41.7	100.0	100.0	8150	0.30	6.3	22.46
TOTAL FOR KY			25822.4	79.3	26.8	11001	2.96	14.2	18.70
MISS	8	KY	551.4	100.0	53.4	11071	1.93	13.3	27.84
MISS	9	KY	54.0	100.0	100.0	11365	2.82	10.9	26.14
MISS	10	ILL	627.6	100.0	3.4	11546	2.62	13.2	18.72
MISS	13	ALA	279.0	100.0	27.2	11865	1.61	13.2	28.76
MISS	14	ARK	0.2	100.0	100.0	14413	1.30	4.7	43.56
MISS	14	OKLA	12.5	100.0	100.0	11579	2.97	12.8	29.70
MISS	*	SOUTH AFRICA	59.5	0.0	100.0	11513	0.67	13.6	27.61
MISS	*	AUSTRALIA	117.5	0.0	100.0	11363	0.64	13.6	32.09
TOTAL FOR MISS			1701.7	89.6	37.3	11425	2.04	13.2	24.87
TENN	2	PA	12.1	100.0	100.0	12000	2.30	13.9	29.31
TENN	4	OHIO	538.4	57.5	38.6	10969	3.85	16.1	22.04
TENN	8	KY	3672.4	64.5	8.5	11362	1.96	15.2	21.83
TENN	8	TENN	4278.7	47.9	8.9	11574	2.53	16.0	25.21
TENN	8	VA	452.4	41.3	69.8	11648	1.73	14.5	23.78
TENN	9	KY	10652.9	8.0	3.4	10823	3.72	15.8	22.26
TENN	10	ILL	267.5	0.0	0.0	10410	2.14	16.1	22.46
TENN	11	IND	503.6	100.0	8.2	11119	3.43	10.1	24.05
TENN	13	ALA	0.2	0.0	100.0	12000	1.50	14.4	28.99
TENN	13	TENN	7.9	86.5	100.0	12406	2.77	13.9	18.41
TENN	19	WYO	41.3	100.0	100.0	8150	0.30	6.3	19.98
TOTAL FOR TENN			20427.5	31.0	8.2	11097	3.08	15.5	22.88
TOTAL FOR EAST SOUTH CENTRAL REGION			66213.3	57.9	22.8	11203	2.71	14.6	22.22
OKLA	19	WYO	1919.6	100.0	0.0	8401	0.36	5.4	18.07
TEX	15	TEX	14153.0	100.0	0.0	6601	0.66	12.0	4.97
TEX	19	WYO	4939.7	100.0	0.0	8291	0.37	6.0	17.42
TOTAL FOR TEX			19092.7	100.0	0.0	7039	0.58	10.5	8.19
TOTAL FOR WEST SOUTH CENTRAL REGION			21012.3	100.0	0.0	7163	0.56	10.0	9.09
ARIZ	16	COLO	64.1	35.7	100.0	12000	0.55	9.0	30.92
ARIZ	17	COLO	93.0	99.1	100.0	12000	0.54	9.0	30.87
ARIZ	18	ARIZ	6753.8	100.0	11.0	10786	0.43	9.5	7.23
ARIZ	18	N M	706.0	100.0	21.2	10038	0.47	13.1	20.51
ARIZ	20	UTAH	538.2	0.0	100.0	11296	0.50	11.0	25.29
TOTAL FOR ARIZ			8155.1	92.9	19.5	10779	0.44	9.9	10.03
COLO	16	COLO	37.6	56.9	56.9	9907	0.58	13.1	15.90
COLO	17	COLO	5137.5	97.9	1.1	10887	0.48	9.5	12.98
COLO	19	WYO	3140.2	100.0	0.0	8811	0.47	6.0	11.04
TOTAL FOR COLO			8315.3	98.5	1.0	10098	0.48	8.2	12.26
MONT	22	MONT	3223.4	100.0	0.0	8492	0.72	9.1	4.81
NEV	18	ARIZ	4568.0	100.0	0.0	10896	0.41	10.2	9.52
NEV	20	UTAH	828.4	0.0	0.0	12056	0.60	9.0	26.23
TOTAL FOR NEV			5396.4	84.6	0.0	11074	0.44	10.0	12.09
N M	18	N M	9121.6	100.0	0.0	8957	0.70	21.5	5.27
UTAH	20	UTAH	2419.0	0.0	0.0	11640	0.68	13.0	17.18
WYO	19	WYO	11281.2	100.0	2.3	8813	0.52	10.1	6.11
TOTAL FOR MOUNTAIN REGION			47912.0	91.8	4.0	9774	0.54	12.0	8.83

DESTINATION AND ORIGIN OF COAL DELIVERED TO STEAM-ELECTRIC PLANTS 25 MW OR GREATER
FOR YEAR 1977

COAL DESTINATION STATE	COAL SOURCE USBM DIST	COAL SOURCE STATE	DELIVERIES 1000 TONS	PCT OF DELIV SURFACE	PCT OF DELIV SPOT	AVG HEAT VALUE BTU/LB	AVG WT PCT SULFUR	AVG WT PCT ASH	AVG DELIV PRICE $ PER TON
WASH	23	WASH	4550.0	100.0	0.0	8100	0.59	15.2	11.72
TOTAL FOR PACIFIC REGION			4550.0	100.0	0.0	8100	0.59	15.2	11.72
NATIONAL TOTAL			490414.8	70.5	19.4	10755	1.95	12.8	20.37

* DENOTES IMPORTED COAL

PART V: QUANTITY OF COAL COMPLYING WITH 1977 SULFUR REGULATIONS

Methodology

The data presented in Part V is based on a comparison of the sulfur content of coal (on shipment-by-shipment basis) delivered to 380 power plants reporting coal deliveries on FPC Form 423 in 1977 with the respective plant sulfur regulations contained in the State Implementation Plans (SIP's). The sulfur regulations used in this anlaysis were provided by the Environmental Protection Agency (EPA) and reflect SIP revisions approved by EPA as of July 15, 1977.

In some instances the units in which sulfur regulations are specified (e.g. pounds of sulfur per million Btu, pounds of SO_2 per million Btu) differ from those used for reporting the sulfur content of coal on Form 423 (percent sulfur by weight). In such instances the sulfur content of the coal was converted to conform with the units specified in the sulfur regulation. In addition, for particular plants the sulfur regulation was calculated from available data in the SIP and does not reflect precisely the enforceable regulation for that plant. Such calculations were necessary in the following instances:

1) The sulfur regulations for coal-fired power-plants in New York Pennsylvania, Florida, Kentucky, New Jersey, South Carolina, South Dakota, Texas, Tennessee and Wisconsin are enforced on an individual boiler basis. Where required (i.e. when a plant has multiple coal-fired boilers, each with a different sulfur limitation), an average limitation was computed for the entire plant.

2) Sulfur regulations for some plants in Arizona and Georgia and for all plants in Colorado, Illinois, Iowa, Kansas, Minnesota, Missouri Montana, North Carolina, North Dakota and Ohio are enforced on an individual stack basis. Where required, an average limitation was computed for the entire plant.

3) The sulfur regulations for some plants in Arkansas, Oklahoma, Missouri, Texas, Wisconsin and Wyoming are stated in ambient air quality standards. The relationship between ambient air quality and actual emissions is complex and depends on wind and weather conditions, topography, stack heights and temperature of emissions. No violations of National Ambient Air Quality Standards (NAAQS) were detected in these areas in 1977, consequently, the sulfur dioxide emissions for such plants were not regulated.

The study was performed with the aid of a computer. Based on the comparison of the coal's sulfur content with the plant's sulfur regulation the total quantity of coal delivered to a power plant fell into one of the following categories:

1) All coal shipments to the plant met the 1977 sulfur regulation.

2) All coal shipments to the plant exceeded the 1977 sulfur regulation.

3) Some of the coal shipments met the sulfur regulation, while other shipments to the same plant exceeded the regulation.

Blending (i.e. mixing quantities of complying and non-complying coal to reduce the average sulfur level) would not be required, if each of the plant's coal shipments complied with sulfur limitations. Consequently, the quantity of coal complying with regulations "before blending" (column (5)) remained the same "after blending" (column (9)), and the weighted average sulfur content of the complying coal represented the sulfur content of all coal shipments (column (4)).

Blending would serve no useful purpose, if each of the plant's coal shipments exceeded sulfur limitations. Consequently, the quantity of coal not complying with regulations "before blending" (column (7)) remained the same "after blending" (column (10)) and the weighted average sulfur content of the non-complying coal represented the sulfur content of all coal shipments (column (4)).

When the comparison of each shipment with SIP regulations revealed that some coal shipments to a plant met the sulfur regulations, while other shipments to the same plant did not meet the regulation, a blending routine was initiated to compute the weighted average sulfur content of the complying and non-complying deliveries for a second comparison with the plant's sulfur regulation. If the average sulfur content did not exceed the sulfur regulation full compliance was achieved (i.e. the quantities of coal complying or not-complying to the regulation "before blending" were summed to show all shipments complying "after blending"), and the average sulfur content of the complying and non-complying coal shipments represented the sulfur content of all shipments (column (4)). If the average sulfur content of the complying and non-complying coal shipments exceeded the sulfur regulation, a blending routine was performed to "salvage" as much of the non-complying coal as possible, using the following equation:

$$I = \frac{R-C}{N-R} \times Q$$

Where:

I = the incremental tonnage of complying coal (1000 tons)
R = the plant's 1977 sulfur regulation
C = the weighted average sulfur content of the complying coal (same units as R)
N = the weighted average sulfur content of the non-complying coal (same units as R)
Q = the quantity of complying coal (1000 tons)

The quantity of coal complying with the sulfur regulation "before blending" was increased by the value of "I" to reflect the new quantity of complying coal "after blending". This blending routine simply adds coal from the non-complying tonnage (column (7)) to the complying tonnage (column (5)) until the blend has reached the sulfur limits of the SIP regulations, i.e., the addition of one more ton of non-complying coal to the blend would push the sulfur content of the entire blend above the SIP standard. Thus, the sulfur content of the complying blend (column (9)) equals the SIP sulfur regulations (column (2)), while the sulfur content of the residual non-complying tonnage (column (10)) is the same as that shown (column (8)) for the non-complying quantity.

Compliance with SO_2 emission standards can also be acheived by SO_2 removal from stack gases by Flue Gas Desulfurization systems (FGD). If a plant had an FGD system operational during 1977, this is indicated by the number in parenthesis in column (11). The numbers in column (11) correspond to those in Table 22, Part I of this report which is a description of the operational FGD systems.

COAL TO PLANTS DURING 12 MONTHS ENDING 12/77
MEETING, OR NOT MEETING 1977 SULFUR REGULATIONS

COMPANY/PLANT NAME	1977 SULFUR REGULATION	TOTAL QUANTITY RECEIVED (1000 TONS)	TOTAL QUANTITY RECEIVED AVG. SULFUR CONTENT	BEFORE BLENDING QUANTITY MEETING (1000 TONS)	BEFORE BLENDING AVG. SULFUR CONTENT	BEFORE BLENDING QUANTITY NOT MEETING (1000 TONS)	BEFORE BLENDING AVG. SULFUR CONTENT	AFTER BLENDING QUANTITY MEETING (1000 TONS)	AFTER BLENDING QUANTITY NOT MEETING (1000 TONS)	NUMBER REFERS TO
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
ALABAMA ELEC COOP INC										
MC WILLIAMS	4.000##	43.88	2.045	43.88	2.045	0.0	0.0	43.88	0.0	
TOMBIGEE	4.000##	185.47	2.323	175.38	2.223	10.09	4.068	185.47	0.0	
UTILITY TOTALS	-	229.35	-	219.26	-	10.09	-	229.35	0.0	
ALABAMA POWER CO (SC)										
BARRY	1.800##	823.57	1.568	589.94	1.338	233.62	2.149	823.57	0.0	
GASTON	1.200##	4847.82	2.786	195.35	1.010	4652.48	2.861	217.70	4630.12	
GADSDEN	4.000##	410.80	2.214	391.22	2.101	19.58	4.473	410.80	0.0	
GORGAS #2 & #3	4.000##	5621.17	2.176	5309.57	2.015	311.60	4.912	5621.17	0.0	
GREENE	4.000##	695.33	2.947	693.20	2.943	2.14	4.276	695.33	0.0	
MILLER	1.200##	271.73	1.153	260.54	1.113	11.19	2.086	271.73	0.0	
UTILITY TOTALS	-	12670.42	-	7439.82	-	5230.61	-	8040.30	4630.12	
AMES, CITY OF										
AMES	5.000##	101.34	8.483	33.90	1.571	67.44	11.957	50.61	50.73	
UTILITY TOTALS	-	101.34	-	33.90	-	67.44	-	50.61	50.73	
APPALACHIAN POWER (AEP)										
CABIN CREEK	1.790##	98.60	1.281	97.90	1.274	0.70	2.304	98.60	0.0	
CLINCH RIVER	2.520##	1747.70	1.532	1653.00	1.454	94.70	2.891	1747.70	0.0	
GLEN LYN	2.880##	821.80	1.879	754.20	1.765	67.60	3.152	821.80	0.0	
KANAWHA RIVER	1.610##	1164.00	1.437	1105.60	1.423	58.40	1.709	1164.00	0.0	
AMOS	2.010##	6353.30	1.566	5838.70	1.506	514.60	2.242	6353.30	0.0	
UTILITY TOTALS	-	10185.40	-	9449.40	-	736.00	-	10185.40	0.0	
ARIZONA PUBLIC SERVICE										
CHOLLA	1.000##	556.10	0.927	384.00	0.882	172.10	1.026	556.10	0.0	
FOUR CORNERS	16.000**	7390.30	1.481	7390.30	1.481	0.0	0.0	7390.30	0.0	
UTILITY TOTALS	-	7946.40	-	7774.30	-	172.10	-	7946.40	0.0	
ASSOCIATED ELEC COOP-MISSOURI										
HILL	16.000**	1273.00	9.503	1273.00	9.503	0.0	0.0	1273.00	0.0	
MADRID	16.000**	2532.80	6.539	2532.80	6.539	0.0	0.0	2532.80	0.0	
UTILITY TOTALS	-	3805.80	-	3805.80	-	0.0	-	3805.80	0.0	
ATLANTIC CITY ELECTRIC										
ENGLAND	1.000*	783.62	3.057	0.0	0.0	783.62	3.057	0.0	783.62	
UTILITY TOTALS	-	783.62	-	0.0	-	783.62	-	0.0	783.62	
AUSTIN UTILITIES										
AUSTIN	2.000*	61.07	1.910	47.41	1.811	13.66	2.255	61.07	0.0	
UTILITY TOTALS	-	61.07	-	47.41	-	13.66	-	61.07	0.0	
BALTIMORE GAS & ELECTRIC										
WAGNER	1.000*	594.00	0.858	594.00	0.858	0.0	0.0	594.00	0.0	
UTILITY TOTALS	-	594.00	-	594.00	-	0.0	-	594.00	0.0	
BASIN ELECTRIC POWER COOP										
LELAND OLDS	3.000##	3371.00	1.590	3371.00	1.590	0.0	0.0	3371.00	0.0	
WM J NEAL	3.000##	297.70	1.123	297.70	1.123	0.0	0.0	297.70	0.0	
UTILITY TOTALS	-	3668.70	-	3668.70	-	0.0	-	3668.70	0.0	
BIG RIVERS RURAL ELEC COOP										
COLEMAN	5.200##	1662.22	4.231	1431.30	3.890	230.92	6.347	1662.22	0.0	
REID	6.000##	1283.10	5.856	682.90	4.131	600.20	7.818	1283.10	0.0	
UTILITY TOTALS	-	2945.32	-	2114.20	-	831.12	-	2945.32	0.0	
BLACK HILLS POWER & LIGHT										
BEN FRENCH	3.000##	58.58	1.071	58.58	1.071	0.0	0.0	58.58	0.0	
KIRK	3.000##	152.60	1.067	152.60	1.067	0.0	0.0	152.60	0.0	
NEIL SIMPSON	16.000**	149.04	1.068	149.04	1.068	0.0	0.0	149.04	0.0	
OSAGE	16.000**	234.15	1.068	234.15	1.068	0.0	0.0	234.15	0.0	
UTILITY TOTALS	-	594.37	-	594.37	-	0.0	-	594.37	0.0	
BURLINGTON ELECTRIC DEPARTMENT										
MORAN	1.000*	19.94	1.530	0.0	0.0	19.94	1.530	0.0	19.94	
UTILITY TOTALS	-	19.94	-	0.0	-	19.94	-	0.0	19.94	
CARDINAL OPERATING CO (AEP)										
CARDINAL	4.760##	3205.20	3.660	1744.30	2.027	1460.90	5.609	3205.20	0.0	
UTILITY TOTALS	-	3205.20	-	1744.30	-	1460.90	-	3205.20	0.0	
CAROLINA POWER & LIGHT										
ASHEVILLE	2.300##	836.80	2.083	606.10	1.706	230.70	3.072	836.80	0.0	
CAPE FEAR	2.300##	615.90	1.793	579.10	1.676	36.80	3.641	615.90	0.0	
ROBINSON	3.500##	493.30	1.796	452.90	1.609	40.40	3.895	493.30	0.0	
LEE	2.300##	948.70	1.669	810.90	1.454	137.80	2.934	948.70	0.0	
ROXBORO	2.300##	3520.08	1.427	3352.68	1.330	167.40	3.372	3520.08	0.0	
SUTTON	2.300##	971.10	1.642	802.00	1.351	169.10	3.023	971.10	0.0	
WEATHERSPOON	2.300##	365.00	1.710	324.00	1.577	41.00	2.759	365.00	0.0	
UTILITY TOTALS	-	7750.88	-	6927.68	-	823.20	-	7750.88	0.0	
CEDAR FALLS UTILITIES										
STREETER	5.000##	64.11	3.719	44.07	2.805	20.04	5.728	64.11	0.0	
UTILITY TOTALS	-	64.11	-	44.07	-	20.04	-	64.11	0.0	
CENTRAL ELEC PWR COOP-MISSOURI										
CHAMOIS	16.000**	81.00	6.002	81.00	6.002	0.0	0.0	81.00	0.0	
UTILITY TOTALS	-	81.00	-	81.00	-	0.0	-	81.00	0.0	
CENTRAL ILLINOIS PUBLIC SERVICE										
COFFEEN	6.000##	2187.40	7.085	286.30	5.153	1901.10	7.376	462.53	1724.87	
GRAND TOWER	6.000##	511.80	6.100	206.40	5.473	305.40	6.524	413.98	97.82	
HUTSONVILLE	6.000##	426.50	4.654	377.20	4.318	49.30	7.224	426.50	0.0	
MEREDOSIA	1.200##	715.70	5.313	0.0	0.0	715.70	5.313	0.0	715.70	
NEWTON	1.200##	27.70	4.315	0.0	0.0	27.70	4.315	0.0	27.70	
UTILITY TOTALS	-	3869.10	-	869.90	-	2999.20	-	1303.01	2566.09	

*-% SULFUR BY WEIGHT
#-POUNDS OF SULFUR/MILLION BTU
##-POUNDS OF SO2/MILLION BTU
**-NO 1977 FEDERALLY ENFORCEABLE SULFUR REGULATION. SULFER UNITS ARE EXPRESSED IN LBS SO2/MILLION BTU
NOTE: THE AVERAGE SULFUR CONTENTS IN COLUMNS (4), (6), AND (8) ARE GIVEN IN THE SAME UNITS AS IN COLUMN (2)

COAL TO PLANTS DURING 12 MONTHS ENDING 12/77
MEETING, OR NOT MEETING 1977 SULFUR REGULATIONS

COMPANY/PLANT NAME	1977 SULFUR REGULATION	TOTAL QUANTITY RECEIVED (1000 TONS)	TOTAL QUANTITY RECEIVED AVG. SULFUR CONTENT	BEFORE BLENDING QUANTITY MEETING (1000 TONS)	BEFORE BLENDING AVG. SULFUR CONTENT	BEFORE BLENDING QUANTITY NOT MEETING (1000 TONS)	BEFORE BLENDING AVG. SULFUR CONTENT	AFTER BLENDING QUANTITY MEETING (1000 TONS)	AFTER BLENDING QUANTITY NOT MEETING (1000 TONS)	NUMBER REFERS TO TABLE 22 PART I
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
CENTRAL ILLINOIS LIGHT										
DUCK CREEK	1.20##$	707.88	1.192	470.48	0.932	237.40	1.706	707.88	0.0	
EDWARDS	1.80##$	1436.93	3.297	598.56	1.428	838.38	4.631	677.21	759.72	
WALLACE	1.80##$	289.73	1.223	289.73	1.223	0.0	0.0	289.73	0.0	
UTILITY TOTALS	-	2434.54	-	1358.77	-	1075.78	-	1674.82	759.72	
CENTRAL OPERATING CO (AEP)										
SPORN	3.30##$	1943.90	1.657	1933.60	1.641	10.30	4.736	1943.90	0.0	
UTILITY TOTALS	-	1943.90	-	1933.60	-	10.30	-	1943.90	0.0	
CENTRAL TELE AND UTIL CORP										
CLARK	16.000**	123.64	1.370	123.64	1.370	0.0	0.0	123.64	0.0	
UTILITY TOTALS	-	123.64	-	123.64	-	0.0	-	123.64	0.0	
CITY OF INDEPENDENCE PWR & LT										
BLUE VALLEY	16.000**	157.30	6.285	157.30	6.285	0.0	0.0	157.30	0.0	
UTILITY TOTALS	-	157.30	-	157.30	-	0.0	-	157.30	0.0	
CITY PUB SERV-SAN ANTONIO										
DEELEY	1.20##$	2289.20	0.904	2289.20	0.904	0.0	0.0	2289.20	0.0	
UTILITY TOTALS	-	2289.20	-	2289.20	-	0.0	-	2289.20	0.0	
CITY UTILITIES OF SPRINGFIELD										
JAMES RIVER	16.000**	209.61	5.306	209.61	5.306	0.0	0.0	209.61	0.0	
SOUTHWEST	16.000**	317.73	5.867	317.73	5.867	0.0	0.0	317.73	0.0	2
UTILITY TOTALS	-	527.34	-	527.34	-	0.0	-	527.34	0.0	
CLEVELAND, CITY OF										
LAKE ROAD	1.20##$	17.60	4.595	0.0	0.0	17.60	4.595	0.0	17.60	
UTILITY TOTALS	-	17.60	-	0.0	-	17.60	-	0.0	17.60	
CLEVELAND ELECTRIC ILLUM CO										
ASHTABULA	5.00##$	1229.10	6.508	299.10	4.047	930.00	7.299	423.09	806.01	
AVON LAKE	1.70##$	2714.50	5.720	0.0	0.0	2714.50	5.720	0.0	2714.50	
EASTLAKE	1.40##$	3029.10	5.899	0.60	1.315	3028.50	5.900	0.61	3028.49	
LAKE SHORE	1.90##$	1054.40	4.594	310.40	1.189	744.00	6.015	364.03	690.37	
UTILITY TOTALS	-	8027.10	-	610.10	-	7417.00	-	787.73	7239.37	
COLORADO SPRINGS DEPT PUB UTILS										
DRAKE	16.000**	891.00	0.972	891.00	0.972	0.0	0.0	891.00	0.0	
UTILITY TOTALS	-	891.00	-	891.00	-	0.0	-	891.00	0.0	
COLORADO-UTE ELECTRIC ASSN										
HAYDEN	16.000**	1068.01	0.890	1068.01	0.890	0.0	0.0	1068.01	0.0	
NUCLA	16.000**	93.09	1.243	93.09	1.243	0.0	0.0	93.09	0.0	
UTILITY TOTALS	-	1161.10	-	1161.10	-	0.0	-	1161.10	0.0	
COLUMBIA WATER & LIGHT										
COLUMBIA	16.000**	73.95	7.357	73.95	7.357	0.0	0.0	73.95	0.0	
UTILITY TOTALS	-	73.95	-	73.95	-	0.0	-	73.95	0.0	
COLUMBUS & SOUTHERN OHIO ELEC										
CONESVILLE	5.66##$	3651.80	7.431	231.00	5.151	3420.80	7.585	292.08	3359.72	3
PICWAY	6.04##$	204.94	7.375	29.20	5.423	175.74	7.699	40.06	164.88	
POSTON	3.72##$	443.30	5.947	1.90	2.781	441.40	5.961	2.70	440.60	
UTILITY TOTALS	-	4300.04	-	262.10	-	4037.94	-	334.84	3965.20	
COLUMBUS DIV OF ELECTRICITY										
COLUMBUS	1.50##$	17.52	5.079	3.88	1.188	13.65	6.181	4.14	13.38	
UTILITY TOTALS	-	17.52	-	3.88	-	13.65	-	4.14	13.38	
COMMONWEALTH EDISON-INDIANA										
STATE LINE	1.20##$	1843.00	0.867	1763.00	0.850	80.00	1.236	1843.00	0.0	
UTILITY TOTALS	-	1843.00	-	1763.00	-	80.00	-	1843.00	0.0	
COMMONWEALTH EDISON										
FISK	1.80##$	1011.00	0.810	1011.00	0.810	0.0	0.0	1011.00	0.0	
CRAWFORD	1.80##$	1109.00	0.883	1108.50	0.880	0.50	7.359	1109.00	0.0	
DIXON	6.00##$	192.00	4.968	192.00	4.968	0.0	0.0	192.00	0.0	
JOLIET	1.80##$	2765.00	0.934	2755.00	0.931	10.00	1.843	2765.00	0.0	
KINCAID	6.00##$	2611.00	7.835	0.0	0.0	2611.00	7.835	0.0	2611.00	
POWERTON	1.80##$	3003.00	6.942	0.0	0.0	3003.00	6.942	0.0	3003.00	
WAUKEGAN	1.80##$	1719.10	1.142	1707.00	1.101	12.10	6.869	1719.10	0.0	
WILL COUNTY	1.80##$	2471.00	0.967	2434.00	0.867	37.00	7.518	2471.00	0.0	
UTILITY TOTALS	-	14881.10	-	9207.50	-	5673.60	-	9267.10	5614.00	
CONSUMERS POWER										
COBB	1.50#$	1377.30	3.232	57.50	0.855	1319.80	3.336	77.70	1299.60	
KARN/WEADOCK	1.50#$	1637.30	2.574	158.20	0.813	1479.10	2.762	244.32	1392.98	
CAMPBELL	1.50#$	1287.60	2.688	48.30	0.687	1239.30	2.766	79.32	1208.28	
WHITING	1.50#$	949.20	0.800	949.20	0.800	0.0	0.0	949.20	0.0	
UTILITY TOTALS	-	5251.40	-	1213.20	-	4038.20	-	1350.54	3900.86	
CORN BELT PWR COOP										
HUMBOLDT	5.00##$	24.84	4.894	5.25	2.126	19.59	5.636	24.84	0.0	
WISDOM	5.00##$	29.99	6.028	0.0	0.0	29.99	6.028	0.0	29.99	
UTILITY TOTALS	-	54.83	-	5.25	-	49.58	-	24.84	29.99	
CRAWFORDSVILLE ELEC LT & PWR										
CRAWFORDSVILLE	16.000**	47.00	4.638	47.00	4.638	0.0	0.0	47.00	0.0	
UTILITY TOTALS	-	47.00	-	47.00	-	0.0	-	47.00	0.0	
DAIRYLAND POWER COOPERATIVE										
ALMA	1.20##$	463.80	4.663	0.0	0.0	463.80	4.663	0.0	463.80	
GENOA #3	16.000**	731.80	5.047	731.80	5.047	0.0	0.0	731.80	0.0	
STONEMAN	16.000**	148.10	6.767	148.10	6.767	0.0	0.0	148.10	0.0	
UTILITY TOTALS	-	1343.70	-	879.90	-	463.80	-	879.90	463.80	

#-% SULFUR BY WEIGHT
$-POUNDS OF SULFUR/MILLION BTU
##-POUNDS OF SO2/MILLION BTU
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NOTE: THE AVERAGE SULFUR CONTENTS IN COLUMNS (4), (6), AND (8) ARE GIVEN IN THE SAME UNITS AS IN COLUMN (2)

COAL TO PLANTS DURING 12 MONTHS ENDING 12/77
MEETING, OR NOT MEETING 1977 SULFUR REGULATIONS

COMPANY/PLANT NAME	1977 SULFUR REGULATION	TOTAL QUANTITY RECEIVED (1000 TONS)	TOTAL QUANTITY RECEIVED AVG. SULFUR CONTENT	BEFORE BLENDING QUANTITY MEETING (1000 TONS)	BEFORE BLENDING AVG. SULFUR CONTENT	BEFORE BLENDING QUANTITY NOT MEETING (1000 TONS)	BEFORE BLENDING AVG. SULFUR CONTENT	AFTER BLENDING QUANTITY MEETING (1000 TONS)	AFTER BLENDING QUANTITY NOT MEETING (1000 TONS)	NUMBER REFERS TO TABLE 22 PART I
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
DANVILLE WTR GAS & ELEC										
BRANTLY	3.300*	65.23	0.900	65.23	0.900	0.0	0.0	65.23	0.0	
UTILITY TOTALS	-	65.23	-	65.23	-	0.0	-	65.23	0.0	
DELMARVA POWER & LIGHT										
INDIAN RIVER	16.000**	704.00	3.220	704.00	3.220	0.0	0.0	704.00	0.0	
UTILITY TOTALS	-	704.00	-	704.00	-	0.0	-	704.00	0.0	
DUKE POWER										
ALLEN	2.300##	2434.42	1.756	2012.19	1.514	422.23	2.907	2434.42	0.0	
BELEWS CREEK	1.600##	4531.73	1.593	3205.62	1.429	1326.10	1.990	4531.73	0.0	
BUCK	2.300##	905.82	1.878	664.90	1.557	240.92	2.763	905.82	0.0	
CLIFFSIDE	2.300##	1645.87	2.242	658.48	1.807	987.39	2.532	1645.87	0.0	
DAN RIVER	2.300##	562.59	1.663	516.66	1.567	45.93	2.739	562.59	0.0	
LEE	2.300##	778.27	2.007	532.44	1.685	245.84	2.703	778.27	0.0	
MARSHALL	2.300##	3356.91	2.052	2440.19	1.704	916.72	2.980	3356.91	0.0	
RIVERBEND	2.300##	1161.07	2.103	696.17	1.809	464.90	2.543	1161.07	0.0	
UTILITY TOTALS	-	15376.68	-	10726.65	-	4650.03	-	15376.68	0.0	
DUQUESNE LIGHT										
ELRAMA	0.670##	1360.81	3.511	0.0	0.0	1360.81	3.511	0.0	1360.81	4
PHILLIPS	0.700##	707.64	3.338	0.0	0.0	707.64	3.338	0.0	707.64	5
CHESWICK	0.600##	1270.45	2.990	0.0	0.0	1270.45	2.990	0.0	1270.45	
UTILITY TOTALS	-	3338.90	-	0.0	-	3338.90	-	0.0	3338.90	
EAST KENTUCKY RURAL ELEC COOP										
COOPER	3.200##	742.10	2.863	552.90	2.510	189.20	3.894	742.10	0.0	
DALE	1.800##	379.73	3.038	265.13	1.343	114.60	6.958	288.62	91.11	
SPURLOCK	1.200##	387.20	2.693	0.0	1.113	387.20	2.693	0.0	387.20	
UTILITY TOTALS	-	1509.03	-	818.03	-	691.00	-	1030.72	478.31	
EASTERN IOWA LT & PWR										
FAIR	6.000##	157.50	5.015	157.50	5.015	0.0	0.0	157.50	0.0	
UTILITY TOTALS	-	157.50	-	157.50	-	0.0	-	157.50	0.0	
ELECTRIC ENERGY										
JOPPA	6.000##	2935.00	4.280	2547.00	3.936	388.00	6.541	2935.00	0.0	
UTILITY TOTALS	-	2935.00	-	2547.00	-	388.00	-	2935.00	0.0	
EMPIRE DIST ELECTRIC										
RIVERTON	16.000**	201.64	7.000	201.64	7.000	0.0	0.0	201.64	0.0	
ASBURY	16.000**	582.69	8.871	582.69	8.871	0.0	0.0	582.69	0.0	
UTILITY TOTALS	-	784.33	-	784.33	-	0.0	-	784.33	0.0	
FLORIDA POWER CORP										
CRYSTAL RIVER	6.170##	932.90	4.541	932.90	4.541	0.0	0.0	932.90	0.0	
UTILITY TOTALS	-	932.90	-	932.90	-	0.0	-	932.90	0.0	
FRANKFORT LT & PWR DEPT										
FRANKFORT	16.000**	24.04	5.913	24.04	5.913	0.0	0.0	24.04	0.0	
UTILITY TOTALS	-	24.04	-	24.04	-	0.0	-	24.04	0.0	
FREMONT DEPT OF PUB UTILS										
WRIGHT	2.500##	228.90	0.679	228.90	0.679	0.0	0.0	228.90	0.0	
UTILITY TOTALS	-	228.90	-	228.90	-	0.0	-	228.90	0.0	
GEORGIA POWER (SOUTHERN CO)										
ARKWRIGHT	0.310*	413.40	1.277	0.0	0.0	413.40	1.277	0.0	413.40	
ATKINSON	0.200*	1087.70	1.929	0.0	0.0	1087.70	1.929	0.0	1087.70	
HAMMOND	3.000*	1623.90	1.457	1623.90	1.457	0.0	0.0	1623.90	0.0	
HARLLEE BRANCH	3.000*	3110.20	1.322	3064.60	1.235	45.60	7.186	3110.20	0.0	
MITCHELL	0.160*	549.40	1.132	0.0	0.0	549.40	1.132	0.0	549.40	
WANSLEY	3.000*	2031.20	1.509	2031.20	1.509	0.0	0.0	2031.20	0.0	
YATES	0.240*	2997.00	1.666	1.50	0.100	2995.50	1.667	1.65	2995.35	
BOWEN	3.000*	6280.40	2.059	6280.40	2.059	0.0	0.0	6280.40	0.0	
UTILITY TOTALS	-	18093.20	-	13001.60	-	5091.60	-	13047.35	5045.85	
GREENWOOD UTILS										
HENDERSON STATIO	4.800##	74.60	1.875	70.60	1.697	4.00	5.019	74.60	0.0	
UTILITY TOTALS	-	74.60	-	70.60	-	4.00	-	74.60	0.0	
GULF POWER										
CRIST	1.500##	1432.90	5.459	0.0	0.0	1432.90	5.459	0.0	1432.90	
SCHOLTZ	6.170##	305.50	3.069	305.50	3.069	0.0	0.0	305.50	0.0	
SMITH	6.170##	750.20	1.292	750.20	1.292	0.0	0.0	750.20	0.0	
UTILITY TOTALS	-	2488.60	-	1055.70	-	1432.90	-	1055.70	1432.90	
HAMILTON, CITY OF										
HAMILTON	1.400##	198.50	1.471	90.20	1.245	108.30	1.659	144.18	54.32	
UTILITY TOTALS	-	198.50	-	90.20	-	108.30	-	144.18	54.32	
HENDERSON MUNICIPAL PWR & LT										
HENDERSON	5.200##	138.00	4.714	75.00	3.892	63.00	5.692	138.00	0.0	
UTILITY TOTALS	-	138.00	-	75.00	-	63.00	-	138.00	0.0	
HOLLAND BOARD OF PUBLIC WKS										
JAMES DE YOUNG	1.500*	128.40	1.615	30.00	1.177	98.40	1.748	69.07	59.33	
UTILITY TOTALS	-	128.40	-	30.00	-	98.40	-	69.07	59.33	
HOOSIER ENERGY DIV-INDIANA REC										
FRANK E RATTS	16.000**	573.80	6.552	573.80	6.552	0.0	0.0	573.80	0.0	
UTILITY TOTALS	-	573.80	-	573.80	-	0.0	-	573.80	0.0	
ILLINOIS POWER										
HAVANA	1.800##	77.70	1.166	77.70	1.166	0.0	0.0	77.70	0.0	
HENNEPIN	6.000##	772.05	5.172	677.32	4.987	94.74	6.498	772.05	0.0	
VERMILION	6.000##	471.54	5.196	424.77	5.084	46.77	6.218	471.54	0.0	
WOOD RIVER	1.800##	918.91	1.095	918.91	1.095	0.0	0.0	918.91	0.0	
BALDWIN	1.800##	4240.75	5.567	138.17	1.280	4102.58	5.711	156.54	4084.21	
UTILITY TOTALS	-	6480.95	-	2236.87	-	4244.09	-	2396.74	4084.21	

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COAL TO PLANTS DURING 12 MONTHS ENDING 12/77
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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
INDIANA & MICHIGAN ELEC (AEP)										
BREED	16.000**	962.60	7.361	962.60	7.361	0.0	0.0	962.60	0.0	
TANNERS CREEK	1.200##	2299.60	6.671	78.40	1.050	2221.20	6.869	80.47	2219.13	
UTILITY TOTALS	-	3262.20	-	1041.00	-	2221.20	-	1043.07	2219.13	
INDIANA-KENTUCKY ELECTRIC CORP										
CLIFTY CREEK	1.200##	3834.00	7.088	0.0	0.0	3834.00	7.088	0.0	3834.00	
UTILITY TOTALS	-	3834.00	-	0.0	-	3834.00	-	0.0	3834.00	
INDIANAPOLIS POWER & LIGHT										
STOUT	1.200##	1740.40	3.912	0.0	0.0	1740.40	3.912	0.0	1740.40	
PRITCHARD	16.000**	599.30	4.729	599.30	4.729	0.0	0.0	599.30	0.0	
PERRY	2.220##	359.20	4.968	6.00	2.022	353.20	5.018	6.42	352.78	
PETERSBURG	16.000**	2400.30	5.112	2400.30	5.112	0.0	0.0	2400.30	0.0	
UTILITY TOTALS	-	5099.20	-	3005.60	-	2093.60	-	3006.02	2093.18	
INTERSTATE POWER										
DUBUQUE	6.000##	239.20	5.292	124.10	4.285	115.10	6.295	239.20	0.0	
FOX LAKE	2.000*	154.50	0.721	154.50	0.721	0.0	0.0	154.50	0.0	
LANSING	5.000##	1087.30	1.616	935.70	0.953	151.60	5.708	1087.30	0.0	
KAPP	6.000##	535.30	5.299	326.30	4.568	209.00	6.440	535.30	0.0	
UTILITY TOTALS	-	2016.30	-	1540.60	-	475.70	-	2016.30	0.0	
IOWA ELECTRIC LIGHT & POWER										
BOONE	5.000##	39.50	4.819	23.50	4.276	16.00	5.616	39.50	0.0	
6TH ST	6.000##	202.10	3.873	201.60	3.867	0.50	6.141	202.10	0.0	
PRAIRIE CREEK #4	6.000##	329.10	2.861	329.10	2.861	0.0	0.0	329.10	0.0	
SUTHERLAND	5.000##	337.00	3.682	245.50	2.784	91.50	6.092	337.00	0.0	
UTILITY TOTALS	-	907.70	-	799.70	-	108.00	-	907.70	0.0	
IOWA-ILLINOIS GAS & ELECTRIC										
RIVERSIDE	6.000##	295.00	5.047	295.00	5.047	0.0	0.0	295.00	0.0	
UTILITY TOTALS	-	295.00	-	295.00	-	0.0	-	295.00	0.0	
IOWA PUBLIC SERVICE										
GEORGE NEAL	5.000##	1303.12	0.969	1303.12	0.969	0.0	0.0	1303.12	0.0	
MAYNARD	5.000##	95.90	0.968	95.90	0.968	0.0	0.0	95.90	0.0	
NEAL#3	5.000##	1250.66	1.449	1250.66	1.449	0.0	0.0	1250.66	0.0	
UTILITY TOTALS	-	2649.68	-	2649.68	-	0.0	-	2649.68	0.0	
IOWA POWER & LIGHT										
COUNCIL BLUFFS	5.000##	299.40	1.854	299.40	1.854	0.0	0.0	299.40	0.0	
DES MOINES	5.000##	398.44	4.516	189.26	1.286	209.17	7.438	398.44	0.0	
UTILITY TOTALS	-	697.84	-	488.66	-	209.17	-	697.84	0.0	
IOWA SOUTHERN UTILITIES										
BRIDGEPORT	5.000##	39.90	6.122	12.80	4.509	27.10	6.884	16.14	23.76	
BURLINGTON	6.000##	437.80	4.570	434.40	4.554	3.40	6.627	437.80	0.0	
UTILITY TOTALS	-	477.70	-	447.20	-	30.50	-	453.94	23.76	
JAMESTOWN BD OF PUB UTILS										
SAMUEL A CARLSON	1.900#	109.49	1.629	84.27	1.380	25.22	2.462	109.49	0.0	
UTILITY TOTALS	-	109.49	-	84.27	-	25.22	-	109.49	0.0	
KANSAS CITY POWER & LIGHT										
GRAND AVE	16.000**	150.90	5.929	150.90	5.929	0.0	0.0	150.90	0.0	
HAWTHORNE	16.000**	1121.20	3.070	1121.20	3.070	0.0	0.0	1121.20	0.0	7
LA CYGNE	1.500#	3862.00	2.867	1778.90	0.441	2083.10	4.938	2326.85	1535.15	8
MONTROSE	16.000**	1518.10	11.810	1518.10	11.810	0.0	0.0	1518.10	0.0	
UTILITY TOTALS	-	6652.20	-	4569.10	-	2083.10	-	5117.05	1535.15	
KANSAS CITY BD PUB UTILS (CTU)										
KAW	1.500#	197.73	2.113	75.36	0.539	122.37	3.083	121.11	76.62	
QUINDARO	1.500#	344.61	2.597	41.51	1.061	303.09	2.808	55.44	289.17	
UTILITY TOTALS	-	542.34	-	116.87	-	425.46	-	176.55	365.79	
KENTUCKY POWER (AEP)										
BIG SANDY	6.000##	2908.60	1.834	2908.60	1.834	0.0	0.0	2908.60	0.0	
UTILITY TOTALS	-	2908.60	-	2908.60	-	0.0	-	2908.60	0.0	
KENTUCKY UTILITIES										
BROWN	6.000##	1398.30	3.562	1165.45	2.780	232.85	7.478	1398.30	0.0	
GHENT	6.000##	2099.26	3.927	1610.36	3.162	488.90	6.447	2099.26	0.0	
GREEN RIVER	5.200##	421.74	4.732	178.02	2.542	243.72	6.332	421.74	0.0	9
PINEVILLE	1.800##	37.36	2.034	3.61	1.406	33.75	2.101	8.34	29.02	
TYRONE	1.800##	136.36	1.404	125.16	1.327	11.20	2.267	136.36	0.0	
UTILITY TOTALS	-	4093.02	-	3082.60	-	1010.42	-	4064.00	29.02	
LAKE SUPERIOR DIST POWER										
BAY FRONT	1.200##	70.49	3.260	0.0	0.0	70.49	3.260	0.0	70.49	
UTILITY TOTALS	-	70.49	-	0.0	-	70.49	-	0.0	70.49	
LANSING BD OF WTR & LT										
ERICKSON	1.500*	607.38	2.416	4.20	1.300	603.18	2.424	5.11	602.27	
ECKERT	1.500*	603.38	2.272	55.50	1.300	547.88	2.371	68.24	535.14	
OTTAWA	1.500*	64.10	2.171	9.10	1.300	55.00	2.315	11.33	52.77	
UTILITY TOTALS	-	1274.86	-	68.80	-	1206.06	-	84.69	1190.17	
LOGANSPORT INDIANA ELECTRIC DEPT										
LOGANSPORT	16.000**	77.50	2.852	77.50	2.852	0.0	0.0	77.50	0.0	
UTILITY TOTALS	-	77.50	-	77.50	-	0.0	-	77.50	0.0	
LOUISVILLE GAS & ELECTRIC										
CANE RUN	1.200##	1734.20	6.691	0.0	0.0	1734.20	6.691	0.0	1734.20	10
PADDYS RUN	1.200##	147.70	6.226	0.0	0.0	147.70	6.226	0.0	147.70	11
MILL CREEK	1.200##	1068.90	7.078	0.0	0.0	1068.90	7.078	0.0	1068.90	
UTILITY TOTALS	-	2950.80	-	0.0	-	2950.80	-	0.0	2950.80	

*-% SULFUR BY WEIGHT
#-POUNDS OF SULFUR/MILLION BTU
##-POUNDS OF SO2/MILLION BTU
**-NO 1977 FEDERALLY ENFORCEABLE SULFUR REGULATION. SULFER UNITS ARE EXPRESSED IN LBS SO2/MILLION BTU
NOTE: THE AVERAGE SULFUR CONTENTS IN COLUMNS (4), (6), AND (8) ARE GIVEN IN THE SAME UNITS AS IN COLUMN (2)

COAL TO PLANTS DURING 12 MONTHS ENDING 12/77
MEETING, OR NOT MEETING 1977 SULFUR REGULATIONS

COMPANY/PLANT NAME	1977 SULFUR REGULATION	TOTAL QUANTITY RECEIVED (1000 TONS)	TOTAL QUANTITY RECEIVED AVG. SULFUR CONTENT	BEFORE BLENDING QUANTITY MEETING (1000 TONS)	BEFORE BLENDING AVG. SULFUR CONTENT	BEFORE BLENDING QUANTITY NOT MEETING (1000 TONS)	BEFORE BLENDING AVG. SULFUR CONTENT	AFTER BLENDING QUANTITY MEETING (1000 TONS)	AFTER BLENDING QUANTITY NOT MEETING (1000 TONS)	NUMBER REFERS TO TABLE 22 PART I
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
MADISON GAS & ELECTRIC										
BLOUNT	16.000**	197.90	6.456	197.90	6.456	0.0	0.0	197.90	0.0	
UTILITY TOTALS	-	197.90	-	197.90	-	0.0	-	197.90	0.0	
MANITOWOC PUBLIC UTILITIES										
MANITOWOC	1.200##	139.45	1.664	0.0	0.0	139.45	1.664	0.0	139.45	
UTILITY TOTALS	-	139.45	-	0.0	-	139.45	-	0.0	139.45	
MARQUETTE BD OF LT & PWR										
SHIRAS	2.000*	116.82	3.537	0.0	0.0	116.82	3.537	0.0	116.82	
UTILITY TOTALS	-	116.82	-	0.0	-	116.82	-	0.0	116.82	
MARSHALL MUN UTIL										
MARSHALL	16.000**	19.26	7.164	19.26	7.164	0.0	0.0	19.26	0.0	
UTILITY TOTALS	-	19.26	-	19.26	-	0.0	-	19.26	0.0	
MARSHFIELD ELEC & WTR DEPT										
WILDWOOD	1.200##	87.26	4.590	0.0	0.0	87.26	4.590	0.0	87.26	
UTILITY TOTALS	-	87.26	-	0.0	-	87.26	-	0.0	87.26	
MENASHA ELEC & WTR UTILITIES										
MENASHA	16.000**	54.56	3.152	54.56	3.152	0.0	0.0	54.56	0.0	
UTILITY TOTALS	-	54.56	-	54.56	-	0.0	-	54.56	0.0	
METROPOLITAN EDISON (GPU)										
CRAWFORD	2.480##	31.70	3.010	9.60	2.444	22.10	3.256	10.05	21.65	
PORTLAND	1.800##	986.20	3.578	12.10	1.715	974.10	3.601	12.67	973.53	
TITUS	2.030##	681.80	2.397	195.90	1.700	485.90	2.678	295.66	386.14	
UTILITY TOTALS	-	1699.70	-	217.60	-	1482.10	-	318.38	1381.32	
MICHIGAN ST UNIVERSITY										
PLANT #65	2.000*	169.47	0.738	169.47	0.738	0.0	0.0	169.47	0.0	
UTILITY TOTALS	-	169.47	-	169.47	-	0.0	-	169.47	0.0	
MINNESOTA POWER & LIGHT										
AURORA	2.000*	360.10	1.061	360.10	1.061	0.0	0.0	360.10	0.0	
BOSWELL	2.000*	2336.30	0.847	2336.30	0.847	0.0	0.0	2336.30	0.0	
UTILITY TOTALS	-	2696.40	-	2696.40	-	0.0	-	2696.40	0.0	
MINNKOTA POWER COOP										
YOUNG	3.000##	1530.45	2.157	1530.45	2.157	0.0	0.0	1530.45	0.0	12
UTILITY TOTALS	-	1530.45	-	1530.45	-	0.0	-	1530.45	0.0	
MISSISSIPPI POWER (SOUTHERN CO)										
WATSON	2.400##	1627.10	3.655	208.10	1.288	1419.00	4.002	352.55	1274.55	
UTILITY TOTALS	-	1627.10	-	208.10	-	1419.00	-	352.55	1274.55	
MISSOURI PUBLIC SERVICE										
SIBLEY	16.000**	681.00	6.177	681.00	6.177	0.0	0.0	681.00	0.0	
UTILITY TOTALS	-	681.00	-	681.00	-	0.0	-	681.00	0.0	
MONONGAHELA POWER (APS)										
ALBRIGHT	4.420##	878.94	2.528	878.94	2.528	0.0	0.0	878.94	0.0	
FT MARTIN	3.200##	2974.19	3.349	878.49	1.566	2095.69	4.096	2480.56	493.63	
RIVESVILLE	3.930##	411.76	3.113	411.76	3.113	0.0	0.0	411.76	0.0	
WILLOW ISLAND	3.760##	574.96	2.098	568.24	2.077	6.72	3.863	574.96	0.0	
HARRISON	4.110##	5090.04	3.981	2185.04	1.828	2905.00	5.600	5090.04	0.0	
UTILITY TOTALS	-	9929.89	-	4922.47	-	5007.41	-	9436.26	493.63	
MONTANA-DAKOTA UTILITIES										
HESKETT	3.000##	577.20	1.986	577.20	1.986	0.0	0.0	577.20	0.0	
LEWIS & CLARK	1.000#	312.40	0.721	290.70	0.690	21.70	1.137	312.40	0.0	
UTILITY TOTALS	-	889.60	-	867.90	-	21.70	-	889.60	0.0	
MOORHEAD PUB SERV DEPT										
MOORHEAD	2.000*	36.11	0.560	36.11	0.560	0.0	0.0	36.11	0.0	
UTILITY TOTALS	-	36.11	-	36.11	-	0.0	-	36.11	0.0	
MUSCATINE PWR & WTR										
MUSCATINE	6.000##	306.20	5.047	304.80	5.042	1.40	6.179	306.20	0.0	
UTILITY TOTALS	-	306.20	-	304.80	-	1.40	-	306.20	0.0	
NEBRASKA PUBLIC POWER SYS										
KRAMER	2.500##	195.68	1.157	195.68	1.157	0.0	0.0	195.68	0.0	
SHELDON	2.500##	610.76	1.071	599.45	0.992	11.31	5.282	610.76	0.0	
UTILITY TOTALS	-	806.44	-	795.13	-	11.31	-	806.44	0.0	
NEVADA POWER										
GARDNER	0.150#	828.40	0.498	0.0	0.0	828.40	0.498	0.0	828.40	13
UTILITY TOTALS	-	828.40	-	0.0	-	828.40	-	0.0	828.40	
NEW YORK ST ELEC & GAS										
GOUDEY	1.900#	409.90	1.372	330.50	1.213	79.40	2.033	409.90	0.0	
GREENIDGE	1.900#	594.90	1.647	329.80	1.332	265.10	2.038	594.90	0.0	
HICKLING	1.900#	434.50	1.120	434.50	1.120	0.0	0.0	434.50	0.0	
JENNISON	1.900#	332.30	1.445	283.90	1.335	48.40	2.089	332.30	0.0	
MILLIKEN	1.900#	837.70	1.645	766.30	1.605	71.40	2.079	837.70	0.0	
UTILITY TOTALS	-	2609.30	-	2145.00	-	464.30	-	2609.30	0.0	
NIAGRA-MOHAWK POWER										
HUNTLEY	1.400#	1606.00	1.246	1225.00	1.114	381.00	1.671	1606.00	0.0	
DUNKIRK	1.900#	1229.00	1.670	863.00	1.502	366.00	2.065	1229.00	0.0	
UTILITY TOTALS	-	2835.00	-	2088.00	-	747.00	-	2835.00	0.0	
NORTHERN INDIANA PUBLIC SERVICE										
BAILLY	16.000**	1136.40	6.075	1136.40	6.075	0.0	0.0	1136.40	0.0	
MITCHELL	1.200##	1335.70	1.726	1019.50	0.987	316.20	4.108	1094.17	241.53	14
MICHIGAN CITY	1.200##	1683.20	4.142	185.10	0.957	1498.10	4.536	198.58	1484.62	
SCHAHFER	1.200##	771.70	1.155	666.40	1.130	105.30	1.315	771.70	0.0	
UTILITY TOTALS	-	4927.00	-	3007.40	-	1919.60	-	3200.86	1726.14	

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
NORTHERN MICHIGAN ELECTRIC COOP										
ADVANCE	2.000*	131.45	1.635	115.91	1.528	15.54	2.429	131.45	0.0	
UTILITY TOTALS	-	131.45	-	115.91	-	15.54	-	131.45	0.0	
NORTHERN STATES POWER										
BLACK DOG	1.500*	929.00	1.646	649.00	0.820	280.00	3.560	863.23	65.77	
HIGH BRIDGE	1.500*	609.00	1.348	494.00	0.839	115.00	3.535	609.00	0.0	
KING	1.500*	1347.00	1.765	884.00	0.806	463.00	3.597	1176.56	170.44	
LAWRENCE	3.000**	18.00	3.760	12.00	1.884	6.00	7.512	14.97	3.03	
MINN VALLEY	2.000*	52.00	1.385	42.00	0.905	10.00	3.400	52.00	0.0	
RIVERSIDE	1.500*	790.00	0.801	790.00	0.801	0.0	0.0	790.00	0.0	
SHERBURN CTY	2.000*	4067.00	0.818	4067.00	0.818	0.0	0.0	4067.00	0.0	15
WILMARTH	16.000**	31.00	2.758	31.00	2.758	0.0	0.0	31.00	0.0	
UTILITY TOTALS	-	7843.00	-	6969.00	-	874.00	-	7603.76	239.24	
OHIO EDISON										
EDGEWATER	1.700##	417.42	5.251	0.20	1.513	417.22	5.253	0.21	417.21	
GORGE STEAM	2.560##	274.51	5.905	0.0	0.0	274.51	5.905	0.0	274.51	
MAD RIVER	4.620##	164.10	2.593	151.70	2.400	12.40	4.959	164.10	0.0	
NILES	5.410##	513.40	5.301	323.30	4.562	190.10	6.559	513.40	0.0	
BURGER	16.000**	1563.60	6.194	1563.60	6.194	0.0	0.0	1563.60	0.0	
TORONTO	8.100##	598.00	5.084	597.30	5.079	0.70	9.482	598.00	0.0	
SAMMIS	2.910##	3823.42	5.490	100.50	2.360	3722.92	5.574	121.25	3702.17	
NORWALK	8.000##	15.46	5.623	14.76	5.456	0.70	9.143	15.46	0.0	
UTILITY TOTALS	-	7369.91	-	2751.36	-	4618.55	-	2976.02	4393.89	
OHIO ELEC CO (AEP)										
GAVIN	9.500##	7920.40	3.682	7890.40	3.630	30.00	17.402	7920.40	0.0	
UTILITY TOTALS	-	7920.40	-	7890.40	-	30.00	-	7920.40	0.0	
OHIO POWER (AEP)										
KAMMER	3.200##	1939.70	7.326	0.0	0.0	1939.70	7.326	0.0	1939.70	
MUSKINGUM	6.480##	4237.30	8.906	391.50	5.179	3845.80	9.285	573.08	3664.22	
MITCHELL	3.120##	3593.90	5.243	1081.30	2.374	2512.60	6.477	1321.59	2272.31	
UTILITY TOTALS	-	9770.90	-	1472.80	-	8298.10	-	1894.67	7876.23	
OHIO VALLEY ELECTRIC COOP										
KYGER CREEK	8.200##	3519.00	7.360	3333.00	7.284	186.00	8.723	3519.00	0.0	
UTILITY TOTALS	-	3519.00	-	3333.00	-	186.00	-	3519.00	0.0	
OKLAHOMA GAS & ELECTRIC										
MUSKOGEE	1.200##	1919.57	0.863	1919.57	0.863	0.0	0.0	1919.57	0.0	
UTILITY TOTALS	-	1919.57	-	1919.57	-	0.0	-	1919.57	0.0	
OMAHA PUBLIC POWER DISTRICT										
NORTH OMAHA	2.500##	1279.70	1.415	1279.70	1.415	0.0	0.0	1279.70	0.0	
UTILITY TOTALS	-	1279.70	-	1279.70	-	0.0	-	1279.70	0.0	
ORRVILLE MUNICIPAL UTILITIES										
VINE STREET	7.000##	117.30	6.087	117.30	6.087	0.0	0.0	117.30	0.0	
UTILITY TOTALS	-	117.30	-	117.30	-	0.0	-	117.30	0.0	
OTTER TAIL POWER										
BIG STONE	3.000##	2237.20	2.627	2237.20	2.627	0.0	0.0	2237.20	0.0	
HOOT LAKE	2.000*	712.20	0.790	712.20	0.790	0.0	0.0	712.20	0.0	
UTILITY TOTALS	-	2949.40	-	2949.40	-	0.0	-	2949.40	0.0	
OWENSBORO MUNICIPAL UTILITIES										
SMITH	6.000##	575.80	6.149	122.50	5.651	453.30	6.283	273.57	302.23	
OWENSBORO #1	6.000##	624.70	4.931	619.40	4.919	5.30	6.313	624.70	0.0	
UTILITY TOTALS	-	1200.50	-	741.90	-	458.60	-	898.27	302.23	
PACIFIC POWER & LIGHT										
CENTRALIA	5.970##	4550.00	1.447	4550.00	1.447	0.0	0.0	4550.00	0.0	
JIM BRIDGER	16.000**	4930.00	1.220	4930.00	1.220	0.0	0.0	4930.00	0.0	
JOHNSTON	16.000**	3238.00	1.229	3238.00	1.229	0.0	0.0	3238.00	0.0	
UTILITY TOTALS	-	12718.00	-	12718.00	-	0.0	-	12718.00	0.0	
PAINESVILLE ELECTRIC LT DEPT										
PAINESVILLE	5.200##	83.00	4.777	83.00	4.777	0.0	0.0	83.00	0.0	
UTILITY TOTALS	-	83.00	-	83.00	-	0.0	-	83.00	0.0	
PELLA MUNICIPAL POWER & LIGHT										
PELLA	5.000##	101.43	9.490	6.35	1.132	95.08	10.048	11.22	90.21	
UTILITY TOTALS	-	101.43	-	6.35	-	95.08	-	11.22	90.21	
PENNSYLVANIA ELECTRIC (GPU)										
FRONT ST	2.300##	403.00	1.928	308.00	1.735	95.00	2.555	403.00	0.0	
HOMER CITY	4.000##	2533.00	4.274	1666.00	3.590	867.00	5.587	2096.41	436.59	
KEYSTONE	4.000##	3317.00	3.353	3317.00	3.353	0.0	0.0	3317.00	0.0	
SEWARD	4.000##	378.00	3.942	207.00	3.788	171.00	4.128	378.00	0.0	
SHAWVILLE	4.000##	1965.00	3.376	1733.00	3.261	232.00	4.236	1965.00	0.0	
WARREN	4.000##	322.00	3.463	283.00	3.335	39.00	4.391	322.00	0.0	
WILLIAMSBURG	4.000##	71.00	3.747	54.00	3.506	17.00	4.512	71.00	0.0	
CONEMAUGH	4.000##	3127.00	3.911	2223.00	3.781	904.00	4.230	3127.00	0.0	
UTILITY TOTALS	-	12116.00	-	9791.00	-	2325.00	-	11679.41	436.59	
PENNSYLVANIA POWER & LIGHT										
BRUNNER ISLAND	4.000##	4000.00	3.690	2580.00	3.360	1420.00	4.290	4000.00	0.0	
HOLTWOOD	4.000##	280.00	1.622	280.00	1.622	0.0	0.0	280.00	0.0	
MARTINS CREEK	4.000##	707.00	3.633	478.00	3.192	229.00	4.553	707.00	0.0	
SUNBURY	4.000##	1459.00	2.641	1352.00	2.501	107.00	4.411	1459.00	0.0	
MONTOUR	4.000##	3964.00	2.740	3820.00	2.676	144.00	4.441	3964.00	0.0	
UTILITY TOTALS	-	10410.00	-	8510.00	-	1900.00	-	10410.00	0.0	

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(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
PENNSYLVANIA POWER										
MANSFIELD	1.200##	2365.00	5.172	0.0	0.0	2365.00	5.172	0.0	2365.00	16
NEW CASTLE	0.720##	998.46	4.033	0.0	0.0	998.46	4.033	0.0	998.46	
UTILITY TOTALS	-	3363.46	-	0.0	-	3363.46	-	0.0	3363.46	
PERU UTILITIES										
PERU	16.000**	44.46	5.938	44.46	5.938	0.0	0.0	44.46	0.0	
UTILITY TOTALS	-	44.46	-	44.46	-	0.0	-	44.46	0.0	
PHILADELPHIA ELECTRIC										
CROMBY	0.620##	274.00	3.631	0.0	0.0	274.00	3.631	0.0	274.00	
EDDYSTONE	0.600##	922.00	4.337	0.0	0.0	922.00	4.337	0.0	922.00	17
UTILITY TOTALS	-	1196.00	-	0.0	-	1196.00	-	0.0	1196.00	
PIQUA MUNICIPAL POWER SYSTEM										
PIQUA	4.780##	66.70	5.967	52.07	2.287	14.63	19.066	61.16	5.54	
UTILITY TOTALS	-	66.70	-	52.07	-	14.63	-	61.16	5.54	
POTOMAC ELECTRIC POWER										
CHALK	1.000*	723.00	1.757	18.00	0.779	705.00	1.782	23.09	699.91	
DICKERSON	1.000*	1512.00	1.582	46.00	0.972	1466.00	1.601	48.14	1463.86	
POTOMAC RIVER	1.910##	1036.00	2.250	1003.00	1.349	33.00	29.649	1023.28	12.72	
MORGANTOWN	3.500##	1936.00	2.717	1843.00	2.666	93.00	3.734	1936.00	0.0	
UTILITY TOTALS	-	5207.00	-	2910.00	-	2297.00	-	3030.51	2176.49	
PUBLIC SERVICE CO OF NEW MEXICO										
SAN JUAN	16.000**	1731.30	1.835	1731.30	1.835	0.0	0.0	1731.30	0.0	
UTILITY TOTALS	-	1731.30	-	1731.30	-	0.0	-	1731.30	0.0	
PUBLIC SERV CO OF INDIANA										
GIBSON STATION	16.000**	3483.30	2.969	3483.30	2.969	0.0	0.0	3483.30	0.0	
EDWARDSPORT	16.000**	257.90	5.876	257.90	5.876	0.0	0.0	257.90	0.0	
NOBLESVILLE	16.000**	133.70	5.511	133.70	5.511	0.0	0.0	133.70	0.0	
GALLAGHER	16.000**	1516.10	5.876	1516.10	5.876	0.0	0.0	1516.10	0.0	
WABASH RIVER	1.200##	1717.30	4.736	0.0	0.0	1717.30	4.736	0.0	1717.30	
CAYUGA	16.000**	2499.00	4.284	2499.00	4.284	0.0	0.0	2499.00	0.0	
UTILITY TOTALS	-	9607.30	-	7890.00	-	1717.30	-	7890.00	1717.30	
PUBLIC SERV CO OF NEW HAMPSHIRE										
MERRIMACK	2.800#	960.10	1.746	960.10	1.746	0.0	0.0	960.10	0.0	
UTILITY TOTALS	-	960.10	-	960.10	-	0.0	-	960.10	0.0	
PUBLIC SERV ELEC & GAS-NJ										
HUDSON	0.200*	904.20	1.211	0.0	0.0	904.20	1.211	0.0	904.20	
MERCER	0.200*	948.60	1.231	0.0	0.0	948.60	1.231	0.0	948.60	
UTILITY TOTALS	-	1852.80	-	0.0	-	1852.80	-	0.0	1852.80	
PUBLIC SERVICE CO OF COLORADO										
ARAPHOE	16.000**	931.20	0.855	931.20	0.855	0.0	0.0	931.20	0.0	
CAMEO	16.000**	176.63	0.819	176.63	0.819	0.0	0.0	176.63	0.0	
CHEROKEE	16.000**	2031.80	0.918	2031.80	0.918	0.0	0.0	2031.80	0.0	
COMANCHE	16.000**	2537.50	0.872	2537.50	0.872	0.0	0.0	2537.50	0.0	
VALMONT	16.000**	462.40	1.593	462.40	1.593	0.0	0.0	462.40	0.0	18
UTILITY TOTALS	-	6139.53	-	6139.53	-	0.0	-	6139.53	0.0	
PUB UTILS COMM - NEW ULM										
NEW ULM	16.000**	62.80	3.059	62.80	3.059	0.0	0.0	62.80	0.0	
UTILITY TOTALS	-	62.80	-	62.80	-	0.0	-	62.80	0.0	
RICHMOND POWER & LIGHT										
WHITEWATER	1.790##	243.80	4.652	8.86	1.641	234.94	4.766	9.30	234.50	
UTILITY TOTALS	-	243.80	-	8.86	-	234.94	-	9.30	234.50	
ROCHESTER DEPT PUB UTIL										
SILVER LAKE	2.000*	195.00	2.068	21.50	1.647	173.50	2.120	84.75	110.25	
UTILITY TOTALS	-	195.00	-	21.50	-	173.50	-	84.75	110.25	
ROCHESTER GAS & ELEC CORP										
ROCHESTER 3	1.900#	205.40	1.583	174.70	1.460	30.70	2.286	205.40	0.0	
ROCHESTER 7	1.900#	703.00	1.626	564.30	1.487	138.70	2.190	703.00	0.0	
UTILITY TOTALS	-	908.40	-	739.00	-	169.40	-	908.40	0.0	
SALT RIVER PROJECT										
NAVAJO	1.420##	7599.00	0.804	7599.00	0.804	0.0	0.0	7599.00	0.0	
UTILITY TOTALS	-	7599.00	-	7599.00	-	0.0	-	7599.00	0.0	
SOUTH CAROLINA ELECTRIC & GAS										
CANADYS	3.500##	643.91	2.308	539.21	1.951	104.70	4.145	643.91	0.0	
MCMEEKIN	3.500##	641.30	2.351	531.10	1.950	110.20	4.285	641.30	0.0	
URGUHART	2.300##	643.91	2.370	365.00	1.725	278.91	3.215	594.37	49.54	
WATEREE	3.500##	1760.20	2.253	1640.60	2.104	119.60	4.290	1760.20	0.0	
UTILITY TOTALS	-	3689.32	-	3075.91	-	613.41	-	3639.78	49.54	
SOUTH CAROLINA PUB SERV AUTH										
GEORGETOWN	1.200##	1374.42	2.281	65.30	1.002	1309.11	2.345	76.59	1297.83	19
GRAINGER	3.500##	403.44	2.233	365.83	1.930	37.61	5.178	403.44	0.0	
JEFFERIES	3.500##	557.30	2.411	510.09	2.284	47.21	3.787	557.30	0.0	
UTILITY TOTALS	-	2335.16	-	941.22	-	1393.93	-	1037.33	1297.83	
SOUTHERN CALIFORNIA EDISON										
MOHAVE	0.150#	4568.00	0.377	0.0	0.0	4568.00	0.377	0.0	4568.00	
UTILITY TOTALS	-	4568.00	-	0.0	-	4568.00	-	0.0	4568.00	
SOUTHERN ILLINOIS POWER COOP										
MARION	6.000##	478.35	5.818	164.17	4.466	314.17	6.525	478.35	0.0	
UTILITY TOTALS	-	478.35	-	164.17	-	314.17	-	478.35	0.0	

*-% SULFUR BY WEIGHT
#-POUNDS OF SULFUR/MILLION BTU
##-POUNDS OF SO2/MILLION BTU
**-NO 1977 FEDERALLY ENFORCEABLE SULFUR REGULATION. SULFER UNITS ARE EXPRESSED IN LBS SO2/MILLION BTU
NOTE: THE AVERAGE SULFUR CONTENTS IN COLUMNS (4), (6), AND (8) ARE GIVEN IN THE SAME UNITS AS IN COLUMN (2)

COAL TO PLANTS DURING 12 MONTHS ENDING 12/77
MEETING, OR NOT MEETING 1977 SULFUR REGULATIONS

COMPANY/PLANT NAME	1977 SULFUR REGULATION	TOTAL QUANTITY RECEIVED (1000 TONS)	TOTAL QUANTITY RECEIVED AVG. SULFUR CONTENT	BEFORE BLENDING QUANTITY MEETING (1000 TONS)	BEFORE BLENDING AVG. SULFUR CONTENT	BEFORE BLENDING QUANTITY NOT MEETING (1000 TONS)	BEFORE BLENDING AVG. SULFUR CONTENT	AFTER BLENDING QUANTITY MEETING (1000 TONS)	AFTER BLENDING QUANTITY NOT MEETING (1000 TONS)	NUMBER REFERS TO TABLE 22 PART I
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
SOUTHERN INDIANA GAS & ELEC										
CULLEY	1.200##	1351.18	6.460	0.0	0.0	1351.18	6.460	0.0	1351.18	
WARRICK	1.200##	2199.02	5.905	0.0	0.0	2199.02	5.905	0.0	2199.02	
UTILITY TOTALS	-	3550.20	-	0.0	-	3550.20	-	0.0	3550.20	
SOUTHWEST PUB SERV-NEW MEXICO										
HARRINGTON	1.200##	1054.00	0.874	1054.00	0.874	0.0	0.0	1054.00	0.0	
UTILITY TOTALS	-	1054.00	-	1054.00	-	0.0	-	1054.00	0.0	
SOUTHWESTERN ELEC PWR (GSW)										
WELSH STATION	1.200##	1596.50	0.898	1596.50	0.898	0.0	0.0	1596.50	0.0	
UTILITY TOTALS	-	1596.50	-	1596.50	-	0.0	-	1596.50	0.0	
SPRINGFIELD WTR LT & PWR DEPT										
DALLMAN	6.000##	424.59	6.163	240.88	5.117	183.71	7.535	379.44	45.15	
LAKESIDE	6.000##	239.50	5.606	176.00	5.016	63.50	7.241	239.50	0.0	
UTILITY TOTALS	-	664.09	-	416.88	-	247.21	-	618.94	45.15	
ST JOSEPH LIGHT & POWER										
LAKEROAD	16.000**	461.60	7.215	461.60	7.215	0.0	0.0	461.60	0.0	
UTILITY TOTALS	-	461.60	-	461.60	-	0.0	-	461.60	0.0	
TAMPA ELECTRIC										
GANNON	1.500##	1008.16	1.766	109.36	1.332	898.79	1.819	166.95	841.21	
BIG BEND	1.500##	2585.11	5.246	68.36	1.500	2516.74	5.348	68.36	2516.75	
UTILITY TOTALS	-	3593.27	-	177.72	-	3415.53	-	235.31	3357.96	
TENNESSEE VALLEY AUTHORITY										
ALLEN	4.000##	1691.21	6.594	67.72	3.768	1623.49	6.712	73.51	1617.70	
BULL RUN	4.000##	1547.67	4.500	234.11	1.636	1313.56	5.011	781.52	766.15	
COLBERT	4.000##	2571.30	7.011	0.0	0.0	2571.30	7.011	0.0	2571.30	
GALLATIN	5.000##	2375.83	5.939	597.71	2.775	1778.13	7.002	1262.00	1113.83	
SEVIER	4.000##	2042.46	3.715	1239.58	2.565	802.88	5.491	2042.46	0.0	
JOHNSONVILLE	1.200##	3536.92	6.405	41.27	0.736	3495.65	6.472	44.90	3492.02	
KINGSTON	1.200##	3508.61	3.727	67.30	1.144	3441.32	3.777	68.76	3439.85	
PARADISE	5.200##	5800.97	8.266	0.0	0.0	5800.97	8.266	0.0	5800.97	
SHAWNEE	1.200##	4276.12	6.093	41.66	0.736	4234.46	6.146	45.57	4230.55	
WATTS BAR	4.000##	629.25	4.198	203.64	3.719	425.61	4.427	337.65	291.60	
WIDOWS CREEK	1.200##	2790.68	5.362	43.16	0.736	2747.52	5.439	47.89	2742.79	20
CUMBERLAND	5.000##	5095.56	7.050	22.44	4.044	5073.12	7.063	32.84	5062.72	
UTILITY TOTALS	-	35866.58	-	2558.59	-	33308.01	-	4737.11	31129.47	
TEXAS PWR & LT (TEXAS UTILS)										
BIG BROWN	16.000**	5287.00	1.714	5287.00	1.714	0.0	0.0	5287.00	0.0	
MARTIN LAKE	1.200##	2637.00	2.667	0.0	0.0	2637.00	2.667	0.0	2637.00	21
MONTICELLO	1.200##	6229.00	1.935	0.0	0.0	6229.00	1.935	0.0	6229.00	
UTILITY TOTALS	-	14153.00	-	5287.00	-	8866.00	-	5287.00	8866.00	
THE CINCINNATI GAS & ELECTRIC CO										
MIAMI FORT	3.300##	2001.10	4.797	500.20	1.690	1500.90	5.832	818.26	1182.84	
BECKJORD	2.020##	2439.20	5.169	313.80	1.880	2125.40	5.655	325.89	2113.31	
UTILITY TOTALS	-	4440.30	-	814.00	-	3626.30	-	1144.14	3296.16	
THE DAYTON POWER & LIGHT CO										
TAIT	1.250##	517.18	1.607	170.10	1.095	347.08	1.858	213.46	303.72	
HUTCHINGS	1.200##	745.00	1.406	378.40	1.000	366.60	1.826	499.29	245.71	
STUART	3.160##	5950.04	3.000	3730.60	1.683	2219.44	5.213	5950.04	0.0	
UTILITY TOTALS	-	7212.22	-	4279.10	-	2933.12	-	6662.80	549.42	
THE DETROIT EDISON CO										
CONNERS CREEK	1.250*	542.00	0.833	518.00	0.754	24.00	2.548	542.00	0.0	
HARBOR BEACH	1.500*	295.00	3.331	0.0	0.0	295.00	3.331	0.0	295.00	
MARYSVILLE	1.500*	705.00	1.539	489.00	0.804	216.00	3.204	688.73	16.27	
PENNSALT	1.000*	134.00	1.118	106.00	0.791	28.00	2.355	122.35	11.65	
ST CLAIR	1.500*	3362.00	1.269	2314.00	0.388	1048.00	3.215	3362.00	0.0	
TRENTON CHANNEL	1.000*	2121.00	1.595	1150.00	0.757	971.00	2.588	1325.98	795.02	
WYANDOTTE	1.000*	176.00	1.111	141.00	0.762	35.00	2.518	163.11	12.89	
MONROE	1.200*	5896.00	2.819	90.00	0.864	5806.00	2.849	108.34	5787.66	
UTILITY TOTALS	-	13231.00	-	4808.00	-	8423.00	-	6312.50	6918.50	
THE KANSAS POWER & LIGHT CO										
JEFFERY ENERGY C	1.500##	534.90	0.858	534.90	0.858	0.0	0.0	534.90	0.0	
LAWRENCE	1.500#	708.60	0.552	708.60	0.552	0.0	0.0	708.60	0.0	22
TECUMSEH	1.500#	310.90	0.547	310.90	0.547	0.0	0.0	310.90	0.0	
UTILITY TOTALS	-	1554.40	-	1554.40	-	0.0	-	1554.40	0.0	
THE MONTANA POWER CO										
COLSTRIP	1.000#	2250.00	0.822	2250.00	0.822	0.0	0.0	2250.00	0.0	23
CORETTE	1.000#	661.00	1.011	284.00	0.746	377.00	1.211	625.88	35.12	
UTILITY TOTALS	-	2911.00	-	2534.00	-	377.00	-	2875.88	35.12	
THE POTOMAC EDISON CO-MD (APS)										
SMITH	1.000*	391.22	1.018	197.62	0.813	193.60	1.227	360.42	30.80	
UTILITY TOTALS	-	391.22	-	197.62	-	193.60	-	360.42	30.80	
THE TOLEDO EDISON CO										
ACME	3.000##	534.50	4.480	27.90	2.266	506.60	4.602	40.68	493.82	
BAY SHORE	1.200##	1788.70	4.006	16.50	1.160	1772.20	4.033	16.73	1771.97	
UTILITY TOTALS	-	2323.20	-	44.40	-	2278.80	-	57.42	2265.78	
THE UNITED GAS IMP CO										
HUNLOCK CREEK	4.000##	205.50	1.245	205.50	1.245	0.0	0.0	205.50	0.0	
UTILITY TOTALS	-	205.50	-	205.50	-	0.0	-	205.50	0.0	
TRAVERSE, CITY OF										
BAYSIDE	2.000*	62.00	0.894	62.00	0.894	0.0	0.0	62.00	0.0	
UTILITY TOTALS	-	62.00	-	62.00	-	0.0	-	62.00	0.0	

*-% SULFUR BY WEIGHT
#-POUNDS OR SULFUR/MILLION BTU
##-POUNDS OF SO2/MILLION BTU
**-NO 1977 FEDERALLY ENFORCEABLE SULFUR REGULATION. SULFER UNITS ARE EXPRESSED IN LBS SO2/MILLION BTU
NOTE: THE AVERAGE SULFUR CONTENTS IN COLUMNS (4), (6), AND (8) ARE GIVEN IN THE SAME UNITS AS IN COLUMN (2)

COAL TO PLANTS DURING 12 MONTHS ENDING 12/77
MEETING, OR NOT MEETING 1977 SULFUR REGULATIONS

COMPANY/PLANT NAME	1977 SULFUR REGULATION	TOTAL QUANTITY RECEIVED (1000 TONS)	TOTAL QUANTITY RECEIVED AVG. SULFUR CONTENT	BEFORE BLENDING QUANTITY MEETING (1000 TONS)	BEFORE BLENDING AVG. SULFUR CONTENT	BEFORE BLENDING QUANTITY NOT MEETING (1000 TONS)	BEFORE BLENDING AVG. SULFUR CONTENT	AFTER BLENDING QUANTITY MEETING (1000 TONS)	AFTER BLENDING QUANTITY NOT MEETING (1000 TONS)	NUMBER REFERS TO TABLE 22 PART I
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
UNION ELECTRIC										
MERAMEC	2.300##	1812.00	3.098	1129.00	1.879	683.00	5.112	1298.03	513.97	
RUSH ISLAND	2.000*	2884.80	1.964	1818.00	1.055	1066.80	3.513	2884.80	0.0	
SIOUX	2.300##	1938.00	5.602	0.0	0.0	1938.00	5.602	0.0	1938.00	
VENICE #2	1.800##	16.00	1.658	12.00	1.516	4.00	2.083	16.00	0.0	
LABADIE	16.000**	5539.00	5.147	5539.00	5.147	0.0	0.0	5539.00	0.0	
UTILITY TOTALS	-	12189.80	-	8498.00	-	3691.80	-	9737.83	2451.97	
UNITED POWER ASSOCIATION										
STANTON	3.000##	731.50	1.908	731.50	1.908	0.0	0.0	731.50	0.0	
UTILITY TOTALS	-	731.50	-	731.50	-	0.0	-	731.50	0.0	
UPPER PENINSULA GEN CO										
PRESQUE ISLE	1.500*	925.00	0.794	913.00	0.784	12.00	1.560	925.00	0.0	
UTILITY TOTALS	-	925.00	-	913.00	-	12.00	-	925.00	0.0	
UPPER PENINSULA POWER										
ESCANABA	2.000*	29.00	1.718	29.00	1.718	0.0	0.0	29.00	0.0	
UTILITY TOTALS	-	29.00	-	29.00	-	0.0	-	29.00	0.0	
UTAH POWER & LIGHT										
CARBON	1.000*	585.00	1.142	510.00	0.516	75.00	5.400	566.10	18.90	
GADSBY	1.000*	468.00	0.539	468.00	0.539	0.0	0.0	468.00	0.0	
HUNTINGTON	1.000*	1217.00	0.523	1217.00	0.523	0.0	0.0	1217.00	0.0	
HALE	1.000*	149.00	0.546	149.00	0.546	0.0	0.0	149.00	0.0	
NAUGHTON	16.000**	2730.00	1.085	2730.00	1.085	0.0	0.0	2730.00	0.0	
UTILITY TOTALS	-	5149.00	-	5074.00	-	75.00	-	5130.10	18.90	
VINELAND, CITY OF										
H M DOWN	1.000*	60.85	1.164	25.82	0.881	35.03	1.372	34.08	26.77	
UTILITY TOTALS	-	60.85	-	25.82	-	35.03	-	34.08	26.77	
VIRGINIA, MINN DEPT OF PUB UTIL										
VIRGINIA	1.500##	114.34	1.740	4.20	1.180	110.14	1.761	9.35	104.99	
UTILITY TOTALS	-	114.34	-	4.20	-	110.14	-	9.35	104.99	
VIRGINIA ELECTRIC & POWER										
BREMO BLUFF	3.150##	624.00	1.564	624.00	1.564	0.0	0.0	624.00	0.0	
CHESTERFIELD	3.100##	1222.00	1.706	1218.00	1.701	4.00	3.302	1222.00	0.0	
MOUNT STORM	2.900##	3485.00	3.204	1127.00	2.461	2358.00	3.559	1877.76	1607.24	
UTILITY TOTALS	-	5331.00	-	2969.00	-	2362.00	-	3723.76	1607.24	
WEST PENN POWER (APS)										
ARMSTRONG	4.000##	1287.67	3.584	1042.40	3.343	245.27	4.607	1287.67	0.0	
MITCHELL	0.600##	647.21	4.499	0.0	0.0	647.21	4.499	0.0	647.21	
HATFIELD	4.000##	3713.41	3.508	2002.73	2.789	1710.68	4.349	3713.41	0.0	
UTILITY TOTALS	-	5648.29	-	3045.13	-	2603.16	-	5001.08	647.21	
W ILLINOIS PWR COOP										
PEARL (GTS)	6.000##	78.28	5.819	55.56	5.609	22.72	6.333	78.28	0.0	
UTILITY TOTALS	-	78.28	-	55.56	-	22.72	-	78.28	0.0	
WILLMAR MUN UTIL COMM										
WILLMAR	2.000*	59.21	0.723	51.47	0.520	7.74	2.070	59.21	0.0	
UTILITY TOTALS	-	59.21	-	51.47	-	7.74	-	59.21	0.0	
WINNETKA, VILLAGE OF										
WINNETKA	1.800##	6.16	1.366	6.16	1.366	0.0	0.0	6.16	0.0	
UTILITY TOTALS	-	6.16	-	6.16	-	0.0	-	6.16	0.0	
WISCONSIN ELECTRIC POWER										
OAK CREEK	16.000**	2917.70	3.596	2917.70	3.596	0.0	0.0	2917.70	0.0	
PORT WASHINGTON	16.000**	375.30	6.102	375.30	6.102	0.0	0.0	375.30	0.0	
VALLEY	16.000**	695.50	6.266	695.50	6.266	0.0	0.0	695.50	0.0	
UTILITY TOTALS	-	3988.50	-	3988.50	-	0.0	-	3988.50	0.0	
WISCONSIN POWER & LIGHT										
BLACKHAWK	16.000**	82.13	4.796	82.13	4.796	0.0	0.0	82.13	0.0	
COLUMBIA	1.200##	1881.43	1.737	0.0	0.0	1881.43	1.737	0.0	1881.43	
EDGEWATER	16.000**	987.77	3.925	987.77	3.925	0.0	0.0	987.77	0.0	
NELSON DEWEY	16.000**	493.19	6.918	493.19	6.918	0.0	0.0	493.19	0.0	
ROCK RIVER	16.000**	340.82	4.780	340.82	4.780	0.0	0.0	340.82	0.0	
UTILITY TOTALS	-	3785.34	-	1903.91	-	1881.43	-	1903.91	1881.43	
WISCONSIN PUBLIC SERVICE CORP										
PULLIAM	16.000**	741.20	4.881	741.20	4.881	0.0	0.0	741.20	0.0	
WESTON	16.000**	309.10	6.578	309.10	6.578	0.0	0.0	309.10	0.0	
UTILITY TOTALS	-	1050.30	-	1050.30	-	0.0	-	1050.30	0.0	
U.S. TOTALS	-	490414.69	-	290540.44	-	199874.19	-	328814.19	161600.50	

*-% SULFUR BY WEIGHT
#-POUNDS OF SULFUR/MILLION BTU
##-POUNDS OF SO2/MILLION BTU
**-NO 1977 FEDERALLY ENFORCEABLE SULFUR REGULATION. SULFER UNITS ARE EXPRESSED IN LBS SO2/MILLION BTU
NOTE: THE AVERAGE SULFUR CONTENTS IN COLUMNS (4), (6), AND (8) ARE GIVEN IN THE SAME UNITS AS IN COLUMN (2)

APPENDIX I

PLANT FOSSIL FUEL QUALITY, QUANTITY AND PRICE DATA
FOR CALENDAR YEAR 1977

COAL: Includes Bituminous, Sub-bituminous, Lignite, Anthracite and small quantities of Petroleum Coke.

OIL : Includes FO_2, FO_4, FO_5, FO_6, Crude, Jet-Fuel, Kerosene Re-refined Motor Oil, Liquefied Petroleum Gas (LPG), and oil delivered to plants in Hawaii (Tables 1 through 22 includes data for contiguous United States only).

Gas : Includes Natural Gas, Coke Oven Gas, Blast Furnace Gas, Refinery Gas and gas delivered to plants in Alaska.

NOTE: Due to computer rounding any quantity less than 50 tons, 50 barrels or 50 cubic feet shows up as 0.0

PLANT FOSSIL FUEL QUANTITY, QUALITY, AND PRICE DATA FOR CALENDAR YEAR 1977

STATE / COMPANY / PLANT	COAL QUANTITY/ 1000 TONS	COAL C/MM BTU	COAL $/ TON	COAL AV. % SULF.	OIL QUANTITY/ 1000 BBLS	OIL C/MM BTU	OIL $/ BBL	OIL AV. % SULF.	GAS QUANTITY/ 1000 MCF	GAS C/MM BTU	GAS $/ MCF	% OF TOTAL BTUS DELIVERED COAL	% OF TOTAL BTUS DELIVERED OIL	% OF TOTAL BTUS DELIVERED GAS
NEW ENGLAND REGION														
CONNECTICUT														
THE CONNECTICUT LT & PWR CO(NU)														
DEVON	0.0	0.0	0.0	0.0	2270.0	220.5	13.79	0.39	0.0	0.0	0.0	0.0	100.0	0.0
MONTVILLE	0.0	0.0	0.0	0.0	1298.0	221.6	13.47	0.43	0.0	0.0	0.0	0.0	100.0	0.0
NORWALK HARBOR	0.0	0.0	0.0	0.0	3366.0	224.7	13.82	0.42	0.0	0.0	0.0	0.0	100.0	0.0
COS COB (GT)	0.0	0.0	0.0	0.0	14.0	124.4	7.04	0.16	0.0	0.0	0.0	0.0	100.0	0.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	6948.0	222.5	13.73	0.41	0.0	0.0	0.0	0.0	100.0	0.0
THE HARTFORD ELEC LIGHT CO(NU)														
MIDDLETOWN	0.0	0.0	0.0	0.0	3916.0	223.5	13.61	0.48	0.0	0.0	0.0	0.0	100.0	0.0
SOUTH MEADOW	0.0	0.0	0.0	0.0	25.0	285.7	16.10	0.05	0.0	0.0	0.0	0.0	100.0	0.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	3941.0	223.8	13.63	0.47	0.0	0.0	0.0	0.0	100.0	0.0
THE UNITED ILLUMINATING CO														
BRIDGEPORT HARBOR	0.0	0.0	0.0	0.0	4978.1	225.7	13.87	0.26	0.0	0.0	0.0	0.0	100.0	0.0
ENGLISH	0.0	0.0	0.0	0.0	29.2	227.6	13.97	0.34	0.0	0.0	0.0	0.0	100.0	0.0
NEW HAVEN HBR	0.0	0.0	0.0	0.0	3024.0	224.2	13.70	0.29	0.0	0.0	0.0	0.0	100.0	0.0
STEEL	0.0	0.0	0.0	0.0	74.0	226.3	13.86	0.32	0.0	0.0	0.0	0.0	100.0	0.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	8105.3	225.1	13.80	0.27	0.0	0.0	0.0	0.0	100.0	0.0
MAINE														
BANGOR HYDRO														
GRAHAM	0.0	0.0	0.0	0.0	7.0	202.9	12.71	2.12	0.0	0.0	0.0	0.0	100.0	0.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	7.0	202.9	12.71	2.12	0.0	0.0	0.0	0.0	100.0	0.0
CENTRAL MAINE POWER														
CAPE (GT)	0.0	0.0	0.0	0.0	7.0	260.6	15.59	0.81	0.0	0.0	0.0	0.0	100.0	0.0
WYMAN	0.0	0.0	0.0	0.0	1257.1	205.1	12.79	2.24	0.0	0.0	0.0	0.0	100.0	0.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	1264.1	205.4	12.80	2.23	0.0	0.0	0.0	0.0	100.0	0.0
MASSACHUSETTS														
BOSTON EDISON														
EDGAR	0.0	0.0	0.0	0.0	1659.9	194.0	12.12	2.00	0.0	0.0	0.0	0.0	100.0	0.0
FRAMINGTON (GT)	0.0	0.0	0.0	0.0	3.6	272.2	15.61	0.30	0.0	0.0	0.0	0.0	100.0	0.0
L STREET	0.0	0.0	0.0	0.0	801.8	225.2	13.93	0.92	0.0	0.0	0.0	0.0	100.0	0.0
MYSTIC	0.0	0.0	0.0	0.0	6694.2	225.3	13.86	0.95	0.0	0.0	0.0	0.0	100.0	0.0
NEW BOSTON	0.0	0.0	0.0	0.0	5906.0	217.2	13.28	0.79	0.0	0.0	0.0	0.0	100.0	0.0
W MEDWAY (GT)	0.0	0.0	0.0	0.0	8.5	268.9	15.43	0.30	14.6	195.0	1.95	0.0	76.9	23.1
COMPANY TOTALS	0.0	0.0	0.0	0.0	15074.0	218.7	13.45	1.00	14.6	195.0	1.95	0.0	100.0	0.0
CAMBRIDGE ELEC LT CO (NEGA)														
KENDALL SQUARE	0.0	0.0	0.0	0.0	366.0	236.1	14.44	0.41	1982.0	187.6	1.88	0.0	53.0	47.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	366.0	236.1	14.44	0.41	1982.0	187.6	1.88	0.0	53.0	47.0
FITCHBURG GAS & ELECTRIC														
FITCHBURG	0.0	0.0	0.0	0.0	9.5	264.2	15.27	0.42	11.8	184.6	1.88	0.0	82.1	17.9
COMPANY TOTALS	0.0	0.0	0.0	0.0	9.5	264.2	15.27	0.42	11.8	184.6	1.88	0.0	82.1	17.9
HOLYOKE GAS & ELECTRIC														
HOLYOKE	0.0	0.0	0.0	0.0	81.0	232.3	14.24	0.93	111.4	200.0	2.00	0.0	81.7	18.3
COMPANY TOTALS	0.0	0.0	0.0	0.0	81.0	232.3	14.24	0.93	111.4	200.0	2.00	0.0	81.7	18.3
HOLYOKE WATER POWER (NU)														
MOUNT TOM	0.0	0.0	0.0	0.0	1197.0	220.4	13.58	1.00	0.0	0.0	0.0	0.0	100.0	0.0
RIVERSIDE	0.0	0.0	0.0	0.0	129.0	234.0	14.38	1.00	0.0	0.0	0.0	0.0	100.0	0.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	1326.0	221.7	13.65	1.00	0.0	0.0	0.0	0.0	100.0	0.0
MONTAUP ELECTRIC														
SOMERSET	0.0	0.0	0.0	0.0	1158.8	217.7	13.27	0.69	0.0	0.0	0.0	0.0	100.0	0.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	1158.8	217.7	13.27	0.69	0.0	0.0	0.0	0.0	100.0	0.0
NEW BEDFORD GASEED LT (NEGA)														
CANNON	0.0	0.0	0.0	0.0	172.0	215.9	13.28	0.94	375.0	180.1	1.80	0.0	73.8	26.2
COMPANY TOTALS	0.0	0.0	0.0	0.0	172.0	215.9	13.28	0.94	375.0	180.1	1.80	0.0	73.8	26.2
NEW ENGLAND POWER (NEES)														
BRAYTON	0.0	0.0	0.0	0.0	12115.0	206.5	12.77	0.85	0.0	0.0	0.0	0.0	100.0	0.0
GLOUCESTER (IC)	0.0	0.0	0.0	0.0	36.4	270.5	15.52	0.10	0.0	0.0	0.0	0.0	100.0	0.0
SALEM HARBOR	0.0	0.0	0.0	0.0	5581.0	200.8	12.50	1.39	0.0	0.0	0.0	0.0	100.0	0.0
UXBRIDGE (GT)	0.0	0.0	0.0	0.0	24.4	270.6	15.58	0.10	0.0	0.0	0.0	0.0	100.0	0.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	18156.8	204.8	12.69	1.03	0.0	0.0	0.0	0.0	100.0	0.0
TAUNTON MUNICIPAL LIGHTING PLT														
CLEARY	0.0	0.0	0.0	0.0	420.2	234.1	14.31	0.77	0.0	0.0	0.0	0.0	100.0	0.0
WEST WATER STA	0.0	0.0	0.0	0.0	98.2	224.1	13.87	0.96	0.0	0.0	0.0	0.0	100.0	0.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	518.4	232.2	14.22	0.81	0.0	0.0	0.0	0.0	100.0	0.0
THE CANAL ELECTRIC CO														
CANAL	0.0	0.0	0.0	0.0	10045.0	210.9	12.98	1.06	0.0	0.0	0.0	0.0	100.0	0.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	10045.0	210.9	12.98	1.06	0.0	0.0	0.0	0.0	100.0	0.0
WESTERN MASS ELECTRIC (NU)														
SILVER LAKE (GT)	0.0	0.0	0.0	0.0	6.0	272.0	15.81	0.09	0.0	0.0	0.0	0.0	100.0	0.0
WEST SPRINGFIELD	0.0	0.0	0.0	0.0	666.0	213.8	13.28	1.84	648.0	190.0	1.90	0.0	86.5	13.5
COMPANY TOTALS	0.0	0.0	0.0	0.0	672.0	214.3	13.30	1.83	648.0	190.0	1.90	0.0	86.6	13.4
NEW HAMPSHIRE														
PUBLIC SERV CO OF NEW HAMPSHIRE														
MERRIMACK	960.1	130.1	34.77	2.33	6.1	284.0	16.22	0.17	0.0	0.0	0.0	99.9	0.1	0.0
NEWINGTON STATION	0.0	0.0	0.0	0.0	2372.2	205.3	12.80	1.81	0.0	0.0	0.0	0.0	100.0	0.0
SCHILLER	0.0	0.0	0.0	0.0	372.0	213.7	13.35	1.66	0.0	0.0	0.0	0.0	100.0	0.0
COMPANY TOTALS	960.1	130.1	34.77	2.33	2750.3	206.6	12.88	1.78	0.0	0.0	0.0	59.9	40.1	0.0

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STATE / COMPANY / PLANT	COAL QUANTITY/ 1000 TONS	COAL C/MM BTU	COAL $/ TON	COAL AV. % SULF.	OIL QUANTITY/ 1000 BBLS	OIL C/MM BTU	OIL $/ BBL	OIL AV. % SULF.	GAS QUANTITY/ 1000 MCF	GAS C/MM BTU	GAS $/ MCF	% OF TOTAL BTUS DELIVERED COAL	% OF TOTAL BTUS DELIVERED OIL	% OF TOTAL BTUS DELIVERED GAS
NEW ENGLAND REGION														
RHODE ISLAND														
THE NARRAGANSETT ELEC CO(NEES)														
MANCHESTER ST	0.0	0.0	0.0	0.0	779.0	207.4	12.86	0.94	0.0	0.0	0.0	0.0	100.0	0.0
SOUTH ST	0.0	0.0	0.0	0.0	517.0	205.6	12.71	0.94	0.0	0.0	0.0	0.0	100.0	0.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	1296.0	206.7	12.80	0.94	0.0	0.0	0.0	0.0	100.0	0.0
VERMONT														
BURLINGTON ELECTRIC DEPARTMENT														
MORAN	19.9	137.7	35.39	1.53	34.8	280.6	16.18	0.35	439.6	200.8	2.01	44.5	17.4	38.1
COMPANY TOTALS	19.9	137.7	35.39	1.53	34.8	280.6	16.18	0.35	439.6	200.8	2.01	44.5	17.4	38.1
GREEN MOUNTAIN PWR CORP														
BERLIN NO 5 (GT)	0.0	0.0	0.0	0.0	11.9	322.0	18.19	0.10	0.0	0.0	0.0	0.0	100.0	0.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	11.9	322.0	18.19	0.10	0.0	0.0	0.0	0.0	100.0	0.0

PLANT FOSSIL FUEL QUANTITY, QUALITY, AND PRICE DATA FOR CALENDAR YEAR 1977

STATE / COMPANY / PLANT	COAL QUANTITY/ 1000 TONS	COAL C/MM BTU	COAL $/ TON	COAL AV. % SULF.	OIL QUANTITY/ 1000 BBLS	OIL C/MM BTU	OIL $/ BBL	OIL AV. % SULF.	GAS QUANTITY/ 1000 MCF	GAS C/MM BTU	GAS $/ MCF	% OF TOTAL BTUS DELIVERED COAL	% OF TOTAL BTUS DELIVERED OIL	% OF TOTAL BTUS DELIVERED GAS
MIDDLE ATLANTIC REGION														
NEW JERSEY														
ATLANTIC CITY ELECTRIC														
ENGLAND	783.6	119.3	29.97	3.06	1543.9	223.7	13.90	1.89	0.0	0.0	0.0	67.2	32.8	0.0
CAROLL CCRNR (GT)	0.0	0.0	0.0	0.0	66.3	277.2	15.79	0.12	0.0	0.0	0.0	0.0	100.0	0.0
CEDAR STA (GT)	0.0	0.0	0.0	0.0	91.1	279.7	15.96	0.13	0.0	0.0	0.0	0.0	100.0	0.0
MIDDLE STA (GT)	0.0	0.0	0.0	0.0	93.2	280.9	15.99	0.12	0.0	0.0	0.0	0.0	100.0	0.0
MISSOURI AVENUE	0.0	0.0	0.0	0.0	56.4	278.0	15.85	0.12	0.0	0.0	0.0	0.0	100.0	0.0
MICKELTON (GT)	0.0	0.0	0.0	0.0	136.3	275.0	15.69	0.12	0.0	0.0	0.0	0.0	100.0	0.0
COMPANY TOTALS	783.6	119.3	29.97	3.06	1987.1	235.0	14.34	1.50	0.0	0.0	0.0	61.9	38.1	0.0
DEEPWATER OPERATING CO (ACE)														
DEEPWATER	0.0	0.0	0.0	0.0	1784.3	214.2	13.23	1.38	0.0	0.0	0.0	0.0	100.0	0.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	1784.3	214.2	13.23	1.38	0.0	0.0	0.0	0.0	100.0	0.0
JERSEY CENTRAL PWR & LT (GPU)														
WERNER	0.0	0.0	0.0	0.0	581.0	239.6	14.32	0.24	0.0	0.0	0.0	0.0	100.0	0.0
GILBERT	0.0	0.0	0.0	0.0	1729.0	253.1	15.13	0.54	171.0	169.6	1.73	0.0	98.3	1.7
GLEN GARDNER (GT)	0.0	0.0	0.0	0.0	241.0	272.9	15.90	0.15	0.0	0.0	0.0	0.0	100.0	0.0
SAYREVILLE	0.0	0.0	0.0	0.0	2820.0	239.3	14.41	0.27	613.0	139.3	1.40	0.0	96.5	3.5
RIEGEL STA (GT)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	624.0	174.8	1.79	0.0	0.0	100.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	5371.0	245.2	14.70	0.35	1408.0	158.8	1.62	0.0	95.7	4.3
PUBLIC SERV ELEC & GAS-NJ														
BERGEN	0.0	0.0	0.0	0.0	3858.2	230.2	14.06	0.25	932.1	174.9	1.80	0.0	96.1	3.9
BAYONNE (GT)	0.0	0.0	0.0	0.0	22.9	278.4	15.67	0.02	0.0	0.0	0.0	0.0	100.0	0.0
BURLINGTON	0.0	0.0	0.0	0.0	2493.0	239.6	14.36	0.21	0.0	0.0	0.0	0.0	100.0	0.0
EDISON (GT)	0.0	0.0	0.0	0.0	307.0	277.4	15.57	0.05	4.0	284.8	2.93	0.0	99.8	0.2
ESSEX	0.0	0.0	0.0	0.0	939.0	259.4	15.19	0.14	488.0	181.6	1.87	0.0	91.6	8.4
HUDSON	904.2	148.2	38.73	1.21	3460.0	234.4	14.21	0.25	1393.0	193.3	1.99	51.3	45.6	3.1
KEARNY	0.0	0.0	0.0	0.0	2127.0	243.1	14.57	0.20	39.4	198.0	2.04	0.0	99.7	0.3
LINDEN	0.0	0.0	0.0	0.0	3498.0	247.2	15.00	0.35	35.3	177.5	1.81	0.0	99.8	0.2
MERCER	948.6	153.8	41.01	1.23	59.0	276.9	15.61	0.04	1504.0	182.5	1.88	93.1	1.2	5.7
SALEM (GT)	0.0	0.0	0.0	0.0	74.7	270.7	15.52	0.15	0.0	0.0	0.0	0.0	100.0	0.0
SEWAREN	0.0	0.0	0.0	0.0	3913.0	231.0	14.11	0.25	1215.2	180.3	1.86	0.0	95.0	5.0
COMPANY TOTALS	1852.8	151.1	39.90	1.22	20751.8	238.6	14.42	0.25	5611.0	183.5	1.89	27.2	69.6	3.2
VINELAND, CITY OF														
H M DOWN	60.9	134.8	32.08	1.16	315.7	235.1	14.30	1.07	0.0	0.0	0.0	43.0	57.0	0.0
COMPANY TOTALS	60.9	134.8	32.08	1.16	315.7	235.1	14.30	1.07	0.0	0.0	0.0	43.0	57.0	0.0
NEW YORK														
CENTRAL HUDSON GAS & ELEC														
DANSKAMMER	0.0	0.0	0.0	0.0	3812.0	220.2	13.45	1.00	0.0	0.0	0.0	0.0	100.0	0.0
ROSETON	0.0	0.0	0.0	0.0	8817.0	202.2	12.52	1.89	0.0	0.0	0.0	0.0	100.0	0.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	12629.0	207.6	12.80	1.62	0.0	0.0	0.0	0.0	100.0	0.0
CONSOLIDATED EDISON CO OF NY														
59TH ST	0.0	0.0	0.0	0.0	846.1	236.6	14.41	0.28	0.0	0.0	0.0	0.0	100.0	0.0
74TH ST	0.0	0.0	0.0	0.0	645.9	233.4	14.21	0.28	0.0	0.0	0.0	0.0	100.0	0.0
ARTHUR KILL	0.0	0.0	0.0	0.0	4387.7	236.5	14.39	0.26	0.0	0.0	0.0	0.0	100.0	0.0
ASTORIA	0.0	0.0	0.0	0.0	9421.0	237.7	14.41	0.25	306.8	127.6	1.31	0.0	99.5	0.5
BUCHANAN (GT)	0.0	0.0	0.0	0.0	7.4	277.4	16.05	0.17	0.0	0.0	0.0	0.0	100.0	0.0
EAST RIVER	0.0	0.0	0.0	0.0	2281.0	234.7	14.28	0.26	81.0	122.6	1.26	0.0	99.4	0.6
GOWANUS (GT)	0.0	0.0	0.0	0.0	425.0	262.5	15.14	0.16	0.0	0.0	0.0	0.0	100.0	0.0
HUDSON AVENUE	0.0	0.0	0.0	0.0	1045.0	233.2	14.18	0.27	0.0	0.0	0.0	0.0	100.0	0.0
INDIAN POINT	0.0	0.0	0.0	0.0	66.4	234.4	14.28	0.27	0.0	0.0	0.0	0.0	100.0	0.0
KENT AVE (GT)	0.0	0.0	0.0	0.0	1.9	287.9	16.26	0.06	0.0	0.0	0.0	0.0	100.0	0.0
NARROWS BAY (GT)	0.0	0.0	0.0	0.0	728.0	269.8	15.42	0.10	0.0	0.0	0.0	0.0	100.0	0.0
RAVENSWOOD	0.0	0.0	0.0	0.0	10010.2	232.4	14.15	0.27	251.9	129.5	1.33	0.0	99.6	0.4
WATERSIDE	0.0	0.0	0.0	0.0	2771.5	236.5	14.40	0.28	345.2	127.3	1.31	0.0	97.9	2.1
COMPANY TOTALS	0.0	0.0	0.0	0.0	32637.1	236.3	14.34	0.26	984.9	127.6	1.31	0.0	99.5	0.5
JAMESTOWN BD OF PUB UTILS														
SAMUEL A CARLSON	109.5	100.1	25.02	2.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	109.5	100.1	25.02	2.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
LONG ISLAND LIGHTING														
BARRETT	0.0	0.0	0.0	0.0	3387.0	229.9	14.04	0.34	1817.0	148.1	1.52	0.0	91.7	8.3
FAR ROCKAWAY	0.0	0.0	0.0	0.0	564.0	228.2	13.92	0.28	2.0	147.7	1.52	0.0	99.9	0.1
GLENWOOD	0.0	0.0	0.0	0.0	1284.0	230.7	14.03	0.32	101.0	148.5	1.53	0.0	98.7	1.3
HOLBROOK (GT)	0.0	0.0	0.0	0.0	595.0	269.0	15.58	0.15	0.0	0.0	0.0	0.0	100.0	0.0
NORTHPORT	0.0	0.0	0.0	0.0	10347.0	187.3	11.84	2.42	0.0	0.0	0.0	0.0	100.0	0.0
PORT JEFFERSON	0.0	0.0	0.0	0.0	4171.0	187.7	11.83	2.39	0.0	0.0	0.0	0.0	100.0	0.0
SHOREHAM (GT)	0.0	0.0	0.0	0.0	11.0	279.9	16.21	0.15	0.0	0.0	0.0	0.0	100.0	0.0
W BABYLON (GT)	0.0	0.0	0.0	0.0	86.0	274.5	15.92	0.15	0.0	0.0	0.0	0.0	100.0	0.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	20445.0	200.6	12.53	1.80	1920.0	148.1	1.52	0.0	98.5	1.5
NEW YORK ST ELEC & GAS														
GOUDEY	409.9	95.0	21.62	1.56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
GREENIDGE	594.9	101.7	23.21	1.90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
HICKLING	434.5	75.5	15.74	1.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
JENNISON	332.3	91.1	19.09	1.52	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
MILLIKEN	837.7	115.9	26.18	1.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	2609.3	99.9	22.14	1.66	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
NIAGRA-MOHAWK POWER														
OSWEGO	0.0	0.0	0.0	0.0	7780.0	214.1	13.44	2.60	0.0	0.0	0.0	0.0	100.0	0.0
ROTTERDAM (GT)	0.0	0.0	0.0	0.0	102.0	266.5	15.39	0.30	0.0	0.0	0.0	0.0	100.0	0.0
ALBANY	0.0	0.0	0.0	0.0	3374.0	209.2	13.01	1.98	0.0	0.0	0.0	0.0	100.0	0.0
HUNTLEY	1606.0	141.1	36.64	1.62	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
DUNKIRK	1229.0	114.9	28.92	2.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	2835.0	129.9	33.30	1.83	11256.0	213.1	13.33	2.39	0.0	0.0	0.0	50.8	49.2	0.0

PLANT FOSSIL FUEL QUANTITY, QUALITY, AND PRICE DATA FOR CALENDAR YEAR 1977

STATE / COMPANY / PLANT	COAL QUANTITY/ 1000 TONS	COAL C/MM BTU	COAL $/ TON	COAL AV. % SULF.	OIL QUANTITY/ 1000 BBLS	OIL C/MM BTU	OIL $/ BBL	OIL AV. % SULF.	GAS QUANTITY/ 1000 MCF	GAS C/MM BTU	GAS $/ MCF	% OF TOTAL BTUS DELIVERED COAL	% OF TOTAL BTUS DELIVERED OIL	% OF TOTAL BTUS DELIVERED GAS
MIDDLE ATLANTIC REGION														
NEW YORK														
ORANGE & ROCKLAND UTILITIES														
HILLBURN (GT)	0.0	0.0	0.0	0.0	8.3	304.4	16.13	0.04	0.0	0.0	0.0	0.0	100.0	0.0
LOVETT	0.0	0.0	0.0	0.0	1792.3	230.6	14.06	0.30	972.3	139.9	1.44	0.0	91.6	8.4
SHOEMAKER (GT)	0.0	0.0	0.0	0.0	8.3	300.0	15.87	0.03	0.0	0.0	0.0	0.0	100.0	0.0
BOWLINE	0.0	0.0	0.0	0.0	8984.8	231.8	14.13	0.30	55.0	138.9	1.43	0.0	99.9	0.1
COMPANY TOTALS	0.0	0.0	0.0	0.0	10793.7	231.7	14.12	0.30	1027.3	139.9	1.44	0.0	98.4	1.6
ROCHESTER GAS & ELEC CORP														
ROCHESTER 3	205.4	122.7	31.61	2.04	842.9	243.8	15.22	1.92	0.0	0.0	0.0	50.1	49.9	0.0
ROCHESTER 7	703.0	122.9	31.72	2.10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	908.4	122.9	31.70	2.08	842.9	243.8	15.22	1.92	0.0	0.0	0.0	81.7	18.3	0.0
PENNSYLVANIA														
DUQUESNE LIGHT														
BRUNOT IS (GT)	0.0	0.0	0.0	0.0	869.1	288.1	16.63	0.25	0.0	0.0	0.0	0.0	100.0	0.0
ELRAMA	1360.8	86.1	20.34	2.07	7.7	271.3	15.65	0.19	0.0	0.0	0.0	99.9	0.1	0.0
PHILLIPS	707.6	90.0	20.93	1.94	21.5	279.6	16.06	0.22	0.0	0.0	0.0	99.3	0.7	0.0
CHESWICK	1270.4	95.5	22.91	1.79	46.2	276.8	15.86	0.17	0.0	0.0	0.0	99.1	0.9	0.0
COMPANY TOTALS	3338.9	90.5	21.44	1.94	944.5	287.2	16.57	0.25	0.0	0.0	0.0	93.6	6.4	0.0
METROPOLITAN EDISON (GPU)														
CRAWFORD	31.7	102.3	25.02	1.84	43.5	298.2	17.20	0.19	0.0	0.0	0.0	75.5	24.5	0.0
HUNTERSTOWN (GT)	0.0	0.0	0.0	0.0	119.8	278.5	15.99	0.17	0.0	0.0	0.0	0.0	100.0	0.0
MOUNTAIN (GT)	0.0	0.0	0.0	0.0	89.3	274.3	15.77	0.19	0.0	0.0	0.0	0.0	100.0	0.0
PORTLAND	986.2	112.3	27.45	2.19	133.9	272.8	15.74	0.15	0.0	0.0	0.0	96.9	3.1	0.0
TITUS	681.8	112.7	27.52	1.46	61.5	275.8	15.88	0.19	0.0	0.0	0.0	97.9	2.1	0.0
TOLNA (GT)	0.0	0.0	0.0	0.0	68.5	281.5	16.18	0.16	0.0	0.0	0.0	0.0	100.0	0.0
COMPANY TOTALS	1699.7	112.3	27.43	1.89	516.5	278.0	16.00	0.17	0.0	0.0	0.0	93.3	6.7	0.0
PENNSYLVANIA ELECTRIC (GPU)														
FRONT ST	403.0	128.7	31.68	1.18	10.0	277.5	16.18	0.40	0.0	0.0	0.0	99.4	0.6	0.0
HOMER CITY	2533.0	110.6	25.27	2.44	132.0	300.0	17.49	0.15	0.0	0.0	0.0	98.7	1.3	0.0
KEYSTONE	3317.0	96.0	22.58	1.97	82.0	316.0	18.42	0.20	0.0	0.0	0.0	99.4	0.6	0.0
SEWARD	378.0	95.3	23.21	2.40	25.0	280.9	16.38	0.20	0.0	0.0	0.0	98.4	1.6	0.0
SHAWVILLE	1965.0	82.0	20.12	2.07	68.0	296.9	17.24	0.40	0.0	0.0	0.0	99.2	0.8	0.0
WARREN	322.0	87.9	21.67	2.14	79.0	276.8	16.13	0.40	0.0	0.0	0.0	94.5	5.5	0.0
WAYNE (GT)	0.0	0.0	0.0	0.0	117.0	287.5	16.76	0.40	0.0	0.0	0.0	0.0	100.0	0.0
WILLIAMSBURG	71.0	78.1	19.15	2.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
CONEMAUGH	3127.0	131.7	31.80	2.36	115.0	312.2	18.20	0.17	0.0	0.0	0.0	99.1	0.9	0.0
COMPANY TOTALS	12116.0	106.7	25.40	2.18	628.0	297.6	17.34	0.27	0.0	0.0	0.0	98.7	1.3	0.0
PENNSYLVANIA POWER & LIGHT														
ALLENTOWN (GT)	0.0	0.0	0.0	0.0	46.0	275.7	15.85	0.15	0.0	0.0	0.0	0.0	100.0	0.0
BRUNNER ISLAND	4000.0	109.6	26.85	2.26	159.0	267.3	15.46	0.20	0.0	0.0	0.0	99.1	0.9	0.0
FISHBACH (GT)	0.0	0.0	0.0	0.0	14.0	270.9	15.62	0.15	0.0	0.0	0.0	0.0	100.0	0.0
HARRISBURG (GT)	0.0	0.0	0.0	0.0	46.0	269.5	15.51	0.19	0.0	0.0	0.0	0.0	100.0	0.0
HARWOOD (GT)	0.0	0.0	0.0	0.0	19.0	275.4	15.89	0.15	0.0	0.0	0.0	0.0	100.0	0.0
HOLTWOOD	321.0	52.5	9.75	1.44	1.0	277.5	16.05	0.40	0.0	0.0	0.0	99.9	0.1	0.0
JENKINS (GT)	0.0	0.0	0.0	0.0	16.0	271.9	15.69	0.20	0.0	0.0	0.0	0.0	100.0	0.0
MARTINS CREEK	707.0	108.6	26.73	2.23	7846.1	230.6	13.87	0.90	0.0	0.0	0.0	26.9	73.1	0.0
SUBURBAN (GT)	0.0	0.0	0.0	0.0	11.0	294.5	16.62	0.05	0.0	0.0	0.0	0.0	100.0	0.0
SUNBURY	1685.0	79.8	17.66	2.11	30.0	271.5	15.66	0.19	0.0	0.0	0.0	99.5	0.5	0.0
W SHORE (GT)	0.0	0.0	0.0	0.0	21.0	272.1	15.64	0.20	0.0	0.0	0.0	0.0	100.0	0.0
WILLIAMPORT (GT)	0.0	0.0	0.0	0.0	20.0	275.7	15.97	0.13	0.0	0.0	0.0	0.0	100.0	0.0
MONTOUR	3964.0	109.6	26.75	1.67	157.0	276.1	15.95	0.14	0.0	0.0	0.0	99.1	0.9	0.0
COMPANY TOTALS	10677.0	103.8	24.84	1.99	8386.1	233.2	13.99	0.86	0.0	0.0	0.0	83.5	16.5	0.0
PENNSYLVANIA POWER														
BRUCE MANSFIELD	2365.0	102.8	23.67	2.98	170.0	291.3	16.73	0.20	0.0	0.0	0.0	98.2	1.8	0.0
NEW CASTLE	998.5	92.6	23.10	2.51	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	3363.5	99.6	23.50	2.84	170.0	291.3	16.73	0.20	0.0	0.0	0.0	98.8	1.2	0.0
PHILADELPHIA ELECTRIC														
BARBADOES	0.0	0.0	0.0	0.0	236.0	242.4	15.12	0.34	0.0	0.0	0.0	0.0	100.0	0.0
CHESTER	0.0	0.0	0.0	0.0	592.0	228.1	14.01	0.42	0.0	0.0	0.0	0.0	100.0	0.0
FALLS (GT)	0.0	0.0	0.0	0.0	22.0	275.6	15.93	0.16	0.0	0.0	0.0	0.0	100.0	0.0
CROMBY	274.0	116.4	30.41	2.37	1180.0	240.7	14.92	0.27	0.0	0.0	0.0	49.5	50.5	0.0
CROYDON (GT)	0.0	0.0	0.0	0.0	1002.0	284.1	16.37	0.19	0.0	0.0	0.0	0.0	100.0	0.0
DELAWARE	0.0	0.0	0.0	0.0	2432.0	229.3	13.93	0.34	0.0	0.0	0.0	0.0	100.0	0.0
EDDYSTONE	922.0	116.6	30.28	2.82	2820.0	225.8	13.95	0.41	0.0	0.0	0.0	57.9	42.1	0.0
MOSER (GT)	0.0	0.0	0.0	0.0	18.0	270.6	15.59	0.12	0.0	0.0	0.0	0.0	100.0	0.0
PLYMOUTH (GT)	0.0	0.0	0.0	0.0	8.0	269.4	15.66	0.10	0.0	0.0	0.0	0.0	100.0	0.0
RICHMOND	0.0	0.0	0.0	0.0	1032.0	261.6	15.39	0.19	0.0	0.0	0.0	0.0	100.0	0.0
SCHUYLKILL	0.0	0.0	0.0	0.0	2765.0	233.8	14.30	0.32	0.0	0.0	0.0	0.0	100.0	0.0
SOUTHWARK	0.0	0.0	0.0	0.0	1299.0	230.5	14.10	0.30	0.0	0.0	0.0	0.0	100.0	0.0
COMPANY TOTALS	1196.0	116.5	30.31	2.71	13406.0	237.2	14.44	0.32	0.0	0.0	0.0	27.6	72.4	0.0
THE UNITED GAS IMP CO														
HUNLOCK CREEK	205.5	80.9	14.38	0.55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	205.5	80.9	14.38	0.55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
WEST PENN POWER (APS)														
ARMSTRONG	1287.7	72.6	17.28	2.13	4.3	298.1	17.32	0.25	0.0	0.0	0.0	99.9	0.1	0.0
MILESBURG	0.0	0.0	0.0	0.0	79.9	282.3	16.31	0.21	0.0	0.0	0.0	0.0	100.0	0.0
MITCHELL	647.2	81.2	19.95	2.76	480.3	232.9	14.45	0.42	11.2	207.1	2.07	84.2	15.8	0.1
SPRINGDALE	0.0	0.0	0.0	0.0	477.0	247.5	15.30	0.44	0.0	0.0	0.0	0.0	100.0	0.0
HATFIELD	3713.4	84.5	20.79	2.14	13.0	283.1	16.45	0.23	0.0	0.0	0.0	99.9	0.1	0.0
COMPANY TOTALS	5648.3	81.5	19.89	2.21	1054.5	243.9	15.01	0.41	11.2	207.1	2.07	95.5	4.5	0.0

PLANT FOSSIL FUEL QUANTITY, QUALITY, AND PRICE DATA FOR CALENDAR YEAR 1977

STATE / COMPANY / PLANT	COAL QUANTITY/ 1000 TONS	COAL C/MM BTU	COAL $/ TON	COAL AV. % SULF.	OIL QUANTITY/ 1000 BBLS	OIL C/MM BTU	OIL $/ BBL	OIL AV. % SULF.	GAS QUANTITY/ 1000 MCF	GAS C/MM BTU	GAS $/ MCF	% OF TOTAL BTUS DELIVERED COAL	% OF TOTAL BTUS DELIVERED OIL	% OF TOTAL BTUS DELIVERED GAS
EAST NORTH CENTRAL REGION														
ILLINOIS														
CENTRAL ILLINOIS PUBLIC SERVICE														
COFFEEN	2187.4	89.7	17.32	3.39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
GRAND TOWER	511.8	92.0	20.16	3.34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
HUTSONVILLE	426.5	100.4	22.29	2.58	141.2	276.7	15.92	0.10	0.0	0.0	0.0	92.1	7.9	0.0
HEREDOSIA	715.7	105.4	22.82	2.86	364.3	199.8	12.70	0.57	0.0	0.0	0.0	87.0	13.0	0.0
NEWTON	27.7	114.1	25.52	2.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	3869.1	94.6	19.32	3.19	505.5	219.7	13.60	0.44	0.0	0.0	0.0	96.2	3.8	0.0
CENTRAL ILLINOIS LIGHT														
DUCK CREEK	707.9	156.7	35.86	0.67	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
EDWARDS	1436.9	107.8	20.86	1.68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
WALLACE	289.7	164.0	42.83	0.80	0.0	0.0	0.0	0.0	421.0	110.2	1.10	94.8	0.0	5.2
STERLING AVE (GT)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.0	110.7	1.10	0.0	0.0	100.0
COMPANY TOTALS	2434.5	131.9	27.84	1.28	0.0	0.0	0.0	0.0	465.0	110.3	1.10	99.1	0.0	0.9
COMMONWEALTH EDISON														
FISK	1011.0	124.2	23.74	0.39	215.0	292.8	16.44	0.13	1059.0	205.1	2.12	89.4	5.6	5.0
BLOOM (GT)	0.0	0.0	0.0	0.0	339.0	277.3	16.11	0.25	0.0	0.0	0.0	0.0	100.0	0.0
CALUMET (GT)	0.0	0.0	0.0	0.0	923.0	280.7	16.29	0.25	0.0	0.0	0.0	0.0	100.0	0.0
COLLINS	0.0	0.0	0.0	0.0	3415.0	258.5	15.86	0.55	0.0	0.0	0.0	0.0	100.0	0.0
CRAWFORD	1109.0	129.2	24.66	0.42	329.2	280.1	16.24	0.26	2943.0	203.1	2.09	81.1	7.3	11.6
DIXON	192.0	125.0	25.90	2.57	0.0	0.0	0.0	0.0	12.0	200.2	2.07	99.7	0.0	0.3
ELEC JUNCTION(GT)	0.0	0.0	0.0	0.0	834.0	280.6	16.30	0.27	0.0	0.0	0.0	0.0	100.0	0.0
JOLIET	2765.0	117.0	22.65	0.45	479.9	282.0	16.41	0.23	184.0	282.1	2.92	94.7	4.9	0.3
KINCAID	2611.0	97.0	19.38	3.90	12.0	282.5	16.32	0.22	0.0	0.0	0.0	99.9	0.1	0.0
LOMBARD (GT)	0.0	0.0	0.0	0.0	174.3	304.8	17.15	0.11	5.3	457.3	4.73	0.0	99.4	0.6
POWERTON	3003.0	60.9	12.83	3.65	22.6	285.2	16.60	0.27	117.0	177.0	1.77	99.6	0.2	0.2
RIDGELAND	0.0	0.0	0.0	0.0	3544.0	247.0	15.52	0.91	11.3	200.9	2.08	0.0	99.9	0.1
SABROOKE	0.0	0.0	0.0	0.0	298.0	284.3	16.49	0.28	0.0	0.0	0.0	0.0	100.0	0.0
WAUKEGAN	1719.1	100.0	19.45	0.56	219.5	305.7	17.23	0.13	0.0	0.0	0.0	96.4	3.6	0.0
WILL COUNTY	2471.0	127.3	24.32	0.46	33.0	277.6	16.17	0.20	0.0	0.0	0.0	99.6	0.4	0.0
COMPANY TOTALS	14881.1	102.6	20.27	1.74	10838.5	263.2	15.95	0.55	4331.6	206.6	2.13	80.7	18.0	1.2
ELECTRIC ENERGY														
JOPPA	2977.0	106.0	24.30	2.46	14.0	263.8	15.15	0.43	0.0	0.0	0.0	99.9	0.1	0.0
COMPANY TOTALS	2977.0	106.0	24.30	2.46	14.0	263.8	15.15	0.43	0.0	0.0	0.0	99.9	0.1	0.0
ILLINOIS POWER														
HAVANA	77.7	154.3	37.84	0.71	1327.5	217.0	13.58	0.87	0.0	0.0	0.0	18.7	81.3	0.0
HENNEPIN	772.1	103.2	22.35	2.78	0.0	0.0	0.0	0.0	35.9	115.1	1.19	99.8	0.0	0.2
OGLESBY (GT)	0.0	0.0	0.0	0.0	85.0	280.9	16.28	0.13	0.0	0.0	0.0	0.0	100.0	0.0
STALLINGS (GT)	0.0	0.0	0.0	0.0	87.9	298.0	17.27	0.17	0.0	0.0	0.0	0.0	100.0	0.0
VERMILION	471.5	101.9	21.95	2.79	8.6	269.5	15.62	0.12	0.0	0.0	0.0	99.5	0.5	0.0
WOOD RIVER	918.9	146.8	32.45	0.61	467.7	268.6	15.57	0.08	198.6	150.3	1.54	87.5	11.7	0.9
BALDWIN	4240.7	80.7	16.96	2.93	4.6	259.6	15.04	0.29	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	6481.0	95.7	20.42	2.55	1981.3	234.9	14.34	0.61	234.5	144.9	1.49	91.8	8.0	0.2
IOWA-ILLINOIS GAS & ELECTRIC														
MOLINE	0.0	0.0	0.0	0.0	28.2	277.6	16.11	0.24	2773.0	134.1	1.38	0.0	5.4	94.6
COMPANY TOTALS	0.0	0.0	0.0	0.0	28.2	277.6	16.11	0.24	2773.0	134.1	1.38	0.0	5.4	94.6
SOUTHERN ILLINOIS POWER COOP														
MARION	478.3	70.6	14.51	3.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	478.3	70.6	14.51	3.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
SPRINGFIELD WTR LT & PWR DEPT														
DALLMAN	477.7	95.1	20.55	3.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
LAKESIDE	252.1	102.1	22.06	2.91	29.9	276.3	15.78	0.20	0.0	0.0	0.0	97.0	3.0	0.0
COMPANY TOTALS	729.8	97.6	21.07	3.16	29.9	276.3	15.78	0.20	0.0	0.0	0.0	98.9	1.1	0.0
UNION ELECTRIC														
VENICE #2	16.0	130.5	33.66	1.06	336.0	278.8	16.15	0.30	3264.9	192.8	1.99	7.2	34.0	58.8
COMPANY TOTALS	16.0	130.5	33.66	1.06	336.0	278.8	16.15	0.30	3264.9	192.8	1.99	7.2	34.0	58.8
UNIVERSITY OF ILLINOIS														
ABBOTT	0.0	0.0	0.0	0.0	423.4	263.8	15.39	0.25	0.0	0.0	0.0	0.0	100.0	0.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	423.4	263.8	15.39	0.25	0.0	0.0	0.0	0.0	100.0	0.0
W ILLINOIS PWR COOP														
PEARL (GTS)	78.3	87.5	18.95	3.14	39.3	291.2	16.83	0.70	0.0	0.0	0.0	88.2	11.8	0.0
COMPANY TOTALS	78.3	87.5	18.95	3.14	39.3	291.2	16.83	0.70	0.0	0.0	0.0	88.2	11.8	0.0
WINNETKA, VILLAGE OF														
WINNETKA	6.2	243.9	49.26	0.69	0.0	0.0	0.0	0.0	33.7	219.0	2.23	78.3	0.0	21.7
COMPANY TOTALS	6.2	243.9	49.26	0.69	0.0	0.0	0.0	0.0	33.7	219.0	2.23	78.3	0.0	21.7
INDIANA														
COMMONWEALTH EDISON-INDIANA														
STATE LINE	1843.0	120.6	22.93	0.41	0.0	0.0	0.0	0.0	131.0	153.6	1.57	99.6	0.0	0.4
COMPANY TOTALS	1843.0	120.6	22.93	0.41	0.0	0.0	0.0	0.0	131.0	153.6	1.57	99.6	0.0	0.4
CRAWFORDSVILLE ELEC LT & PWR														
CRAWFORDSVILLE	47.0	98.8	21.37	2.49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	47.0	98.8	21.37	2.49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
FRANKFORT LT & PWR DEPT														
FRANKFORT	24.0	105.5	23.98	3.35	1.6	274.1	15.98	0.25	0.0	0.0	0.0	98.3	1.7	0.0
COMPANY TOTALS	24.0	105.5	23.98	3.35	1.6	274.1	15.98	0.25	0.0	0.0	0.0	98.3	1.7	0.0

PLANT FOSSIL FUEL QUANTITY, QUALITY, AND PRICE DATA FOR CALENDAR YEAR 1977

STATE / COMPANY / PLANT	COAL QUANTITY/ 1000 TONS	COAL C/MM BTU	COAL $/ TON	COAL AV. % SULF.	OIL QUANTITY/ 1000 BBLS	OIL C/MM BTU	OIL $/ BBL	OIL AV. % SULF.	GAS QUANTITY/ 1000 MCF	GAS C/MM BTU	GAS $/ MCF	% OF TOTAL BTUS DELIVERED COAL	OIL	GAS
EAST NORTH CENTRAL REGION														
INDIANA														
HOOSIER ENERGY DIV-INDIANA REC														
FRANK E RATTS	573.8	57.1	11.78	3.37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	573.8	57.1	11.78	3.37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
INDIANA & MICHIGAN ELEC (AEP)														
BREED	962.6	68.3	14.89	4.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
TANNERS CREEK	2299.6	72.1	15.74	3.64	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
TWIN BRANCH	0.0	0.0	0.0	0.0	825.2	172.8	10.00	0.38	0.0	0.0	0.0	0.0	100.0	0.0
COMPANY TOTALS	3262.2	71.0	15.49	3.75	825.2	172.8	10.00	0.38	0.0	0.0	0.0	93.7	6.3	0.0
INDIANA-KENTUCKY ELECTRIC CORP														
CLIFTY CREEK	3834.0	74.5	16.02	3.81	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	3834.0	74.5	16.02	3.81	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
INDIANAPOLIS POWER & LIGHT														
STOUT	1740.4	81.4	17.79	2.14	211.6	272.8	15.52	0.30	0.0	0.0	0.0	96.9	3.1	0.0
PRITCHARD	599.3	79.2	17.27	2.58	105.8	276.8	15.69	0.30	0.0	0.0	0.0	95.6	4.4	0.0
PERRY	359.2	81.2	17.73	2.71	10.6	277.1	15.72	0.30	0.0	0.0	0.0	99.2	0.8	0.0
PETERSBURG	2400.3	64.8	14.12	2.78	61.8	276.4	15.92	0.30	0.0	0.0	0.0	99.3	0.7	0.0
COMPANY TOTALS	5099.2	73.3	15.99	2.53	389.8	274.6	15.64	0.30	0.0	0.0	0.0	98.0	2.0	0.0
LOGANSPORT INDIANA ELECTRIC DEPT														
LOGANSPORT	77.5	82.6	18.90	1.61	66.0	269.8	15.35	0.94	0.0	0.0	0.0	82.5	17.5	0.0
COMPANY TOTALS	77.5	82.6	18.90	1.61	66.0	269.8	15.35	0.94	0.0	0.0	0.0	82.5	17.5	0.0
NORTHERN INDIANA PUBLIC SERVICE														
BAILLY	1136.4	79.7	17.44	3.33	72.8	272.2	15.93	0.30	128.8	154.5	1.54	97.8	1.7	0.5
MITCHELL	1335.7	125.6	26.50	0.92	185.9	269.7	15.77	0.30	73.0	152.9	1.53	96.0	3.7	0.2
MICHIGAN CITY	1683.2	104.3	22.04	2.20	0.0	0.0	0.0	0.0	93.6	154.3	1.54	99.7	0.0	0.3
ROLLIN SCHAHFER	771.7	115.3	23.34	0.58	72.9	267.7	15.63	0.27	0.0	0.0	0.0	97.3	2.7	0.0
COMPANY TOTALS	4927.0	105.8	22.39	1.86	331.6	269.8	15.77	0.29	295.4	154.0	1.54	97.9	1.8	0.3
PERU UTILITIES														
PERU	44.5	101.2	22.65	3.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	44.5	101.2	22.65	3.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
PUBLIC SERV CO OF INDIANA														
CONNERSVILLE (GT)	0.0	0.0	0.0	0.0	109.2	263.9	15.18	0.30	0.0	0.0	0.0	0.0	100.0	0.0
EDWARDSPORT	257.9	78.4	16.83	3.14	111.1	265.3	15.26	0.30	0.0	0.0	0.0	89.7	10.3	0.0
GIBSON STATION	3483.3	93.9	20.94	1.65	95.2	270.1	15.54	0.30	0.0	0.0	0.0	99.3	0.7	0.0
NOBLESVILLE	133.7	87.9	18.76	2.95	4.7	268.0	15.42	0.30	0.0	0.0	0.0	99.1	0.9	0.0
GALLAGHER	1516.1	65.1	14.46	3.26	84.3	279.1	16.06	0.30	0.0	0.0	0.0	98.6	1.4	0.0
WABASH RIVER	1717.3	78.5	16.94	2.55	102.1	276.5	15.91	0.30	0.0	0.0	0.0	98.4	1.6	0.0
CAYUGA	2499.0	58.0	11.90	2.20	47.7	276.4	15.91	0.30	0.0	0.0	0.0	99.5	0.5	0.0
COMPANY TOTALS	9607.3	77.2	16.71	2.27	554.3	271.0	15.59	0.30	0.0	0.0	0.0	98.5	1.5	0.0
RICHMOND POWER & LIGHT														
WHITEWATER	243.8	99.7	22.02	2.58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	243.8	99.7	22.02	2.58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
SOUTHERN INDIANA GAS & ELEC														
BROADWAY (GT)	0.0	0.0	0.0	0.0	36.7	265.8	15.64	0.33	155.0	106.4	1.07	0.0	58.0	42.0
CULLEY	1351.2	71.2	15.48	3.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
OHIO RIVER	0.0	0.0	0.0	0.0	137.2	264.2	15.65	0.17	162.6	106.0	1.07	0.0	83.2	16.8
WARRICK	2199.0	65.9	14.36	3.21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	3550.2	67.9	14.79	3.33	173.9	264.5	15.65	0.20	317.6	106.2	1.07	98.3	1.3	0.4
MICHIGAN														
CONSUMERS POWER														
COBB	1377.3	100.0	22.95	3.23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
MORROW	0.0	0.0	0.0	0.0	884.5	230.2	14.44	1.06	664.1	204.0	2.04	0.0	89.3	10.7
KARN/WEADOCK	1637.3	106.2	24.57	2.57	5547.6	270.1	15.75	0.50	0.0	0.0	0.0	53.9	46.1	0.0
GAYLORD (GT)	0.0	0.0	0.0	0.0	71.5	282.4	16.73	0.33	2128.6	161.5	1.61	0.0	16.6	83.4
CAMPBELL	1287.6	110.1	24.70	2.69	1.2	281.5	15.96	0.09	0.0	0.0	0.0	100.0	0.0	0.0
STRAITS (GT)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	283.8	176.2	1.76	0.0	0.0	100.0
THETFORD (GT)	0.0	0.0	0.0	0.0	161.2	270.5	15.91	0.31	2916.8	210.4	2.10	0.0	24.5	75.5
WEADOCK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	69.2	195.3	1.95	0.0	0.0	100.0
WHITING	949.2	129.1	31.89	0.80	17.4	291.4	16.52	0.09	0.0	0.0	0.0	99.6	0.4	0.0
COMPANY TOTALS	5251.4	109.9	25.50	2.45	6683.4	264.7	15.59	0.57	6062.5	190.8	1.91	72.8	23.5	3.6
DETROIT PUBLIC LIGHTING COMM														
MISTERSKY	0.0	0.0	0.0	0.0	1259.5	247.7	15.32	0.89	0.0	0.0	0.0	0.0	100.0	0.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	1259.5	247.7	15.32	0.89	0.0	0.0	0.0	0.0	100.0	0.0
HOLLAND BOARD OF PUBLIC WKS														
JAMES DE YOUNG	155.9	109.3	26.33	2.10	23.3	278.5	16.14	0.67	2.1	160.0	1.65	96.5	3.5	0.1
COMPANY TOTALS	155.9	109.3	26.33	2.10	23.3	278.5	16.14	0.67	2.1	160.0	1.65	96.5	3.5	0.1
LANSING BD OF WTR & LT														
ECKERT	603.4	129.0	31.63	2.27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
ERICKSON	607.4	128.3	31.44	2.42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
OTTAWA	64.1	128.7	31.56	2.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	1274.9	128.6	31.53	2.34	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
MARQUETTE BD OF LT & PWR														
SHIRAS	116.8	111.9	27.32	3.54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	116.8	111.9	27.32	3.54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0

PLANT FOSSIL FUEL QUANTITY, QUALITY, AND PRICE DATA FOR CALENDAR YEAR 1977

EAST NORTH CENTRAL REGION

STATE / COMPANY / PLANT	COAL QUANTITY/ 1000 TONS	COAL C/MM BTU	COAL $/ TON	COAL AV. % SULF.	OIL QUANTITY/ 1000 BBLS	OIL C/MM BTU	OIL $/ BBL	OIL AV. % SULF.	GAS QUANTITY/ 1000 MCF	GAS C/MM BTU	GAS $/ MCF	% OF TOTAL BTUS DELIVERED COAL	OIL	GAS
MICHIGAN														
MICHIGAN ST UNIVERSITY														
PLANT #65	169.5	126.8	32.37	0.74	0.0	0.0	0.0	0.0	26.1	229.2	2.29	99.4	0.0	0.6
COMPANY TOTALS	169.5	126.8	32.37	0.74	0.0	0.0	0.0	0.0	26.1	229.2	2.29	99.4	0.0	0.6
NORTHERN MICHIGAN ELECTRIC COOP														
ADVANCE	131.5	135.0	33.67	1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	131.5	135.0	33.67	1.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
THE DETROIT EDISON CO														
CONNERS CREEK	542.0	123.0	30.32	0.83	216.0	240.6	13.87	0.30	1924.0	195.1	1.97	80.7	7.5	11.8
DELRAY	0.0	0.0	0.0	0.0	1077.0	250.9	15.81	1.00	6073.0	192.9	1.53	0.0	58.5	41.5
FERMI	0.0	0.0	0.0	0.0	362.0	259.5	14.97	0.30	0.0	0.0	0.0	0.0	100.0	0.0
HANCOCK (GT)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2874.0	196.2	1.98	0.0	0.0	100.0
HARBOR BEACH	295.0	118.4	27.61	3.33	46.0	278.6	15.97	0.30	0.0	0.0	0.0	96.3	3.7	0.0
HARYSVILLE	705.0	124.3	29.58	1.54	0.0	0.0	0.0	0.0	178.0	216.3	2.17	98.9	0.0	1.1
NORTHEAST (GT)	0.0	0.0	0.0	0.0	110.0	262.0	15.10	0.26	1569.0	208.0	2.10	0.0	28.6	71.4
PENNSALT	134.0	128.7	30.69	1.12	76.0	263.0	15.18	0.30	0.0	0.0	0.0	87.9	12.1	0.0
PLACID (IC)	0.0	0.0	0.0	0.0	13.0	269.4	15.54	0.30	0.0	0.0	0.0	0.0	100.0	0.0
RIVER ROUGE	0.0	0.0	0.0	0.0	3506.0	269.4	16.90	1.00	9399.0	155.6	0.20	0.0	94.9	5.1
ST CLAIR	3362.0	106.4	22.13	1.27	2237.0	274.9	17.07	0.92	286.0	218.7	2.21	83.1	16.5	0.3
SUPERIOR (GT)	0.0	0.0	0.0	0.0	150.0	260.9	15.06	0.30	0.0	0.0	0.0	0.0	100.0	0.0
TRENTON CHANNEL	2121.0	112.5	26.66	1.60	148.0	262.7	15.16	0.30	0.0	0.0	0.0	98.3	1.7	0.0
WYANDOTTE	176.0	123.6	29.54	1.11	144.0	265.2	15.28	0.30	145.0	173.1	1.75	81.2	16.0	2.8
MONROE	5896.0	96.7	24.21	2.82	553.0	265.8	15.30	0.30	0.0	0.0	0.0	97.9	2.1	0.0
COMPANY TOTALS	13231.0	105.2	24.82	2.05	8638.0	266.8	16.41	0.83	22448.0	193.1	1.12	82.5	14.0	3.4
TRAVERSE, CITY OF														
BAYSIDE	62.0	131.4	32.87	0.89	0.0	0.0	0.0	0.0	412.0	161.3	1.66	78.5	0.0	21.5
COMPANY TOTALS	62.0	131.4	32.87	0.89	0.0	0.0	0.0	0.0	412.0	161.3	1.66	78.5	0.0	21.5
UPPER PENINSULA GEN CO														
PRESQUE ISLE	925.0	135.5	31.13	0.79	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	925.0	135.5	31.13	0.79	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
UPPER PENINSULA POWER														
ESCANABA	29.0	121.0	30.62	1.72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	29.0	121.0	30.62	1.72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
WYANDOTTE DEPT OF MUN SERVICE														
WYANDOTTE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2084.9	168.5	1.70	0.0	0.0	100.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2084.9	168.5	1.70	0.0	0.0	100.0
OHIO														
CARDINAL OPERATING CO (AEP)														
CARDINAL	3205.2	98.9	22.23	2.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	3205.2	98.9	22.23	2.08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
CLEVELAND, CITY OF														
41 ST (GT)	0.0	0.0	0.0	0.0	27.5	283.3	16.42	0.20	0.0	0.0	0.0	0.0	100.0	0.0
LAKE ROAD	17.6	97.8	22.60	2.64	3.1	283.1	16.41	0.20	0.0	0.0	0.0	95.7	4.3	0.0
COMPANY TOTALS	17.6	97.8	22.60	2.64	30.6	283.3	16.42	0.20	0.0	0.0	0.0	69.6	30.4	0.0
CLEVELAND ELECTRIC ILLUM CO														
ASHTABULA	1229.1	104.0	23.41	3.68	615.9	242.5	15.33	1.49	0.0	0.0	0.0	87.7	12.3	0.0
AVON LAKE	2714.5	109.9	25.76	3.35	506.8	252.8	15.60	1.16	0.0	0.0	0.0	95.3	4.7	0.0
EASTLAKE	3029.1	119.7	28.24	3.49	104.5	267.1	15.42	0.36	0.0	0.0	0.0	99.2	0.8	0.0
LAKE SHORE	1054.4	113.3	25.76	2.62	653.7	236.1	14.77	1.08	0.0	0.0	0.0	85.4	14.6	0.0
COMPANY TOTALS	8027.1	113.2	26.34	3.36	1880.9	244.3	15.21	1.20	0.0	0.0	0.0	94.1	5.9	0.0
COLUMBUS & SOUTHERN OHIO ELEC														
CONESVILLE	3651.8	88.9	19.39	4.03	53.8	268.0	15.37	0.18	0.0	0.0	0.0	99.6	0.4	0.0
PICWAY	204.9	83.0	18.54	4.11	7.9	256.5	14.75	0.14	0.0	0.0	0.0	99.0	1.0	0.0
POSTON	443.3	81.0	18.01	3.30	16.8	265.6	15.24	0.18	0.0	0.0	0.0	99.0	1.0	0.0
WALNUT (GT)	0.0	0.0	0.0	0.0	232.0	258.2	14.84	0.19	220.9	178.1	1.83	0.0	85.4	14.6
COMPANY TOTALS	4300.0	87.8	19.21	3.96	310.5	260.2	14.95	0.18	220.9	178.1	1.83	97.9	1.9	0.2
COLUMBUS DIV OF ELECTRICITY														
COLUMBUS	17.5	81.4	17.82	2.66	9.8	275.5	16.05	0.08	129.6	175.9	1.79	66.9	10.0	23.1
COMPANY TOTALS	17.5	81.4	17.82	2.66	9.8	275.5	16.05	0.08	129.6	175.9	1.79	66.9	10.0	23.1
HAMILTON, CITY OF														
HAMILTON	198.5	119.4	28.89	0.88	254.9	264.6	15.22	0.15	621.5	116.6	1.17	69.7	21.3	9.0
COMPANY TOTALS	198.5	119.4	28.89	0.88	254.9	264.6	15.22	0.15	621.5	116.6	1.17	69.7	21.3	9.0
OHIO EDISON														
EDGEWATER	417.4	100.7	22.87	2.95	163.4	286.4	16.47	0.31	0.0	0.0	0.0	91.0	9.0	0.0
GORGE STEAM	274.5	80.1	17.88	3.29	2.0	308.0	17.65	0.27	0.0	0.0	0.0	99.8	0.2	0.0
MAD RIVER	164.1	116.0	26.44	1.47	242.6	293.8	16.89	0.34	0.0	0.0	0.0	72.8	27.2	0.0
NILES	513.4	82.3	19.50	3.13	99.1	294.2	16.73	0.37	0.0	0.0	0.0	95.6	4.4	0.0
BURGER	1563.6	101.3	22.57	3.44	21.0	294.2	16.90	0.53	0.0	0.0	0.0	99.7	0.3	0.0
TORONTO	598.0	70.8	16.61	2.98	1.8	280.0	16.27	0.34	0.0	0.0	0.0	99.9	0.1	0.0
SAMMIS	3823.4	95.4	21.37	3.06	58.6	287.4	16.43	0.33	0.0	0.0	0.0	99.6	0.4	0.0
W LORAIN (GT)	0.0	0.0	0.0	0.0	559.5	297.8	17.25	0.31	0.0	0.0	0.0	0.0	100.0	0.0
NORWALK	15.5	98.8	23.15	3.26	1.7	281.5	16.10	0.28	0.0	0.0	0.0	97.4	2.6	0.0
COMPANY TOTALS	7369.9	93.8	21.18	3.11	1149.7	294.4	16.97	0.33	0.0	0.0	0.0	96.2	3.8	0.0
OHIO ELEC CO (AEP)														
GAVIN	7920.4	117.5	22.11	1.82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	7920.4	117.5	22.11	1.82	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0

STATE / COMPANY / PLANT	COAL QUANTITY/ 1000 TONS	COAL C/MM BTU	COAL $/ TON	COAL AV. % SULF.	OIL QUANTITY/ 1000 BBLS	OIL C/MM BTU	OIL $/ BBL	OIL AV. % SULF.	GAS QUANTITY/ 1000 MCF	GAS C/MM BTU	GAS $/ MCF	% OF TOTAL BTUS DELIVERED COAL	OIL	GAS
EAST NORTH CENTRAL REGION														
OHIO														
OHIO POWER (AEP)														
MUSKINGUM	4237.7	90.1	18.76	4.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	4237.7	90.1	18.76	4.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
OHIO VALLEY ELECTRIC COOP														
KYGER CREEK	3519.0	67.3	14.77	4.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	3519.0	67.3	14.77	4.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
ORRVILLE MUNICIPAL UTILITIES														
VINE STREET	117.3	80.0	18.40	3.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	117.3	80.0	18.40	3.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
PAINESVILLE ELECTRIC LT DEPT														
PAINESVILLE	83.0	89.6	22.18	2.95	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	83.0	89.6	22.18	2.95	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
PIQUA MUNICIPAL POWER SYSTEM														
PIQUA	66.7	103.5	24.75	3.66	12.7	278.7	16.03	0.30	0.0	0.0	0.0	95.6	4.4	0.0
COMPANY TOTALS	66.7	103.5	24.75	3.66	12.7	278.7	16.03	0.30	0.0	0.0	0.0	95.6	4.4	0.0
THE CINCINNATI GAS & ELECTRIC CO														
DICKS CREEK (GT)	0.0	0.0	0.0	0.0	322.0	293.5	16.57	0.15	0.0	0.0	0.0	0.0	100.0	0.0
MIAMI FORT	2001.1	92.0	20.01	2.58	829.7	275.6	15.88	0.31	0.0	0.0	0.0	90.1	9.9	0.0
BECKJORD	2439.2	95.7	20.43	2.74	548.8	269.6	15.62	0.30	0.0	0.0	0.0	94.2	5.8	0.0
COMPANY TOTALS	4440.3	94.0	20.25	2.67	1700.5	277.0	15.92	0.28	0.0	0.0	0.0	90.7	9.3	0.0
THE DAYTON POWER & LIGHT CO														
TAIT	517.2	118.8	27.79	0.94	166.4	281.0	16.05	0.15	0.0	0.0	0.0	92.7	7.3	0.0
HUTCHINGS	745.0	119.9	28.59	0.84	48.9	285.4	16.29	0.16	0.0	0.0	0.0	98.5	1.5	0.0
STUART	5950.0	106.6	22.99	1.59	33.4	301.6	17.14	0.23	0.0	0.0	0.0	99.9	0.1	0.0
YANKEE ST (GT)	0.0	0.0	0.0	0.0	255.4	283.4	16.18	0.15	0.0	0.0	0.0	0.0	100.0	0.0
COMPANY TOTALS	7212.2	109.0	23.91	1.46	504.1	284.0	16.21	0.16	0.0	0.0	0.0	98.2	1.8	0.0
THE TOLEDO EDISON CO														
ACME	534.5	113.7	28.11	2.76	175.4	235.8	14.37	0.85	1881.8	142.9	0.76	86.4	7.0	6.6
BAY SHORE	1788.7	117.1	28.37	2.41	18.0	271.1	15.60	0.40	0.0	0.0	0.0	99.8	0.2	0.0
DEFIANCE (GT)	0.0	0.0	0.0	0.0	78.7	278.1	15.98	0.40	0.0	0.0	0.0	0.0	100.0	0.0
COMPANY TOTALS	2323.2	116.3	28.31	2.49	272.1	249.8	14.92	0.69	1881.8	142.9	0.76	95.6	2.7	1.7
WISCONSIN														
DAIRYLAND POWER COOPERATIVE														
ALMA	469.0	102.1	20.03	2.41	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
GENOA #3	742.9	108.0	21.04	2.57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
STONEMAN	148.1	104.7	22.80	3.68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	1360.0	105.6	20.88	2.64	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
LAKE SUPERIOR DIST POWER														
BAY FRONT	70.5	132.1	26.94	1.76	26.1	261.6	14.72	0.43	259.2	109.6	1.09	78.0	8.0	14.0
COMPANY TOTALS	70.5	132.1	26.94	1.76	26.1	261.6	14.72	0.43	259.2	109.6	1.09	78.0	8.0	14.0
MADISON GAS & ELECTRIC														
FITCHBURG (GT)	0.0	0.0	0.0	0.0	66.6	272.8	15.81	0.15	116.4	153.7	1.55	0.0	76.7	23.3
BLOUNT	197.9	115.5	27.29	3.85	56.0	273.1	15.83	0.15	363.9	153.9	1.55	87.1	6.0	6.8
SYCAMORE (GT)	0.0	0.0	0.0	0.0	20.2	272.5	15.79	0.11	87.4	153.8	1.55	0.0	57.0	43.0
COMPANY TOTALS	197.9	115.5	27.29	3.85	142.8	272.9	15.82	0.14	567.7	153.9	1.55	76.9	13.6	9.4
MANITOWOC PUBLIC UTILITIES														
MANITOWOC	139.5	142.3	34.37	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	139.5	142.3	34.37	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
MARSHFIELD ELEC & WTR DEPT														
WILDWOOD	87.3	138.7	33.07	2.72	9.8	277.2	16.30	0.17	266.0	183.9	1.88	86.3	2.4	11.3
COMPANY TOTALS	87.3	138.7	33.07	2.72	9.8	277.2	16.30	0.17	266.0	183.9	1.88	86.3	2.4	11.3
MENASHA ELEC & WTR UTILITIES														
MENASHA	54.6	131.1	33.47	2.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	54.6	131.1	33.47	2.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
NORTHERN STATES POWER														
WHEATON (GT)	0.0	0.0	0.0	0.0	308.0	257.5	14.96	0.50	0.0	0.0	0.0	0.0	100.0	0.0
FRENCH IS (CS)	0.0	0.0	0.0	0.0	125.0	248.3	14.57	0.84	0.0	0.0	0.0	0.0	100.0	0.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	433.0	254.8	14.84	0.60	0.0	0.0	0.0	0.0	100.0	0.0
SUPERIOR WTR LT & PWR														
WINSLOW	0.0	0.0	0.0	0.0	91.0	200.5	12.73	1.57	15.6	128.4	1.27	0.0	97.4	2.6
COMPANY TOTALS	0.0	0.0	0.0	0.0	91.0	200.5	12.73	1.57	15.6	128.4	1.27	0.0	97.4	2.6
WISCONSIN ELECTRIC POWER														
COMMERCE	0.0	0.0	0.0	0.0	53.0	260.8	15.10	0.24	906.7	211.3	2.15	0.0	25.0	75.0
LAKESIDE	0.0	0.0	0.0	0.0	640.8	267.3	15.54	0.22	949.5	164.5	1.67	0.0	79.5	20.5
OAK CREEK	2917.7	83.0	18.53	2.02	46.8	268.4	15.51	0.24	183.5	169.4	1.71	99.3	0.4	0.3
PORT WASHINGTON	375.3	110.3	25.59	3.51	6.6	262.1	15.14	0.22	0.0	0.0	0.0	99.6	0.4	0.0
VALLEY	695.5	114.0	26.22	3.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	3988.5	91.2	20.54	2.43	747.2	266.9	15.51	0.23	2039.7	185.8	1.89	93.3	4.5	2.2
WISCONSIN POWER & LIGHT														
BLACKHAWK	82.1	130.8	27.92	2.56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COLUMBIA	1881.4	65.6	11.33	0.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
EDGEWATER	987.8	100.6	21.20	2.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
NELSON DEWEY	511.4	97.5	20.30	3.81	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
ROCK RIVER	340.8	128.0	27.23	2.55	657.5	266.6	15.59	0.28	467.4	188.2	1.89	62.7	33.3	4.1
COMPANY TOTALS	3803.5	88.0	16.88	1.70	657.5	266.6	15.59	0.28	467.4	188.2	1.89	94.4	5.0	0.6

PLANT FOSSIL FUEL QUANTITY, QUALITY, AND PRICE DATA FOR CALENDAR YEAR 1977

STATE / COMPANY / PLANT	COAL QUANTITY/ 1000 TONS	COAL C/MM BTU	COAL $/ TON	COAL AV. % SULF.	OIL QUANTITY/ 1000 BBLS	OIL C/MM BTU	OIL $/ BBL	OIL AV. % SULF.	GAS QUANTITY/ 1000 MCF	GAS C/MM BTU	GAS $/ MCF	% OF TOTAL BTUS DELIVERED COAL	% OF TOTAL BTUS DELIVERED OIL	% OF TOTAL BTUS DELIVERED GAS
EAST NORTH CENTRAL REGION														
WISCONSIN														
WISCONSIN PUBLIC SERVICE CORP														
PULLIAM	796.9	113.1	27.60	3.07	36.5	241.2	13.98	0.22	62.2	170.8	1.74	98.6	1.1	0.3
W MARINETTE (GT)	0.0	0.0	0.0	0.0	64.0	253.6	14.64	0.22	490.4	172.5	1.76	0.0	42.5	57.5
WESTON	319.1	127.9	28.53	3.65	56.7	264.8	15.34	0.22	395.6	173.6	1.77	90.7	4.2	5.1
COMPANY TOTALS	1116.0	117.1	27.86	3.24	157.2	254.8	14.74	0.22	948.2	172.9	1.76	93.4	3.2	3.4

PLANT FOSSIL FUEL QUANTITY, QUALITY, AND PRICE DATA FOR CALENDAR YEAR 1977

STATE / COMPANY / PLANT	COAL QUANTITY/ 1000 TONS	COAL C/MM BTU	COAL $/ TON	COAL AV. % SULF.	OIL QUANTITY/ 1000 BBLS	OIL C/MM BTU	OIL $/ BBL	OIL AV. % SULF.	GAS QUANTITY/ 1000 MCF	GAS C/MM BTU	GAS $/ MCF	% OF TOTAL BTUS DELIVERED COAL	OIL	GAS
WEST NORTH CENTRAL REGION														
IOWA														
AMES, CITY OF														
AMES	101.3	111.6	22.68	4.14	9.5	265.8	15.45	0.40	64.5	126.9	1.27	94.5	2.5	3.0
COMPANY TOTALS	101.3	111.6	22.68	4.14	9.5	265.8	15.45	0.40	64.5	126.9	1.27	94.5	2.5	3.0
CEDAR FALLS UTILITIES														
STREETER	64.1	121.3	28.64	2.15	0.0	0.0	0.0	0.0	334.3	121.0	1.21	81.9	0.0	18.1
COMPANY TOTALS	64.1	121.3	28.64	2.15	0.0	0.0	0.0	0.0	334.3	121.0	1.21	81.9	0.0	18.1
CORN BELT PWR COOP														
HUMBOLDT	24.8	121.9	29.43	2.98	0.0	0.0	0.0	0.0	10.7	131.8	1.32	98.2	0.0	1.8
WISDOM	30.0	122.8	30.57	3.75	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	54.8	122.4	30.05	3.40	0.0	0.0	0.0	0.0	10.7	131.8	1.32	99.2	0.0	0.8
EASTERN IOWA LT & PWR														
FAIR	157.5	101.6	21.80	2.70	0.0	0.0	0.0	0.0	325.7	119.4	1.22	91.0	0.0	9.0
COMPANY TOTALS	157.5	101.6	21.80	2.70	0.0	0.0	0.0	0.0	325.7	119.4	1.22	91.0	0.0	9.0
INTERSTATE POWER														
DUBUQUE	239.2	97.9	20.70	2.85	50.2	259.8	15.28	0.30	531.4	122.9	1.22	86.0	5.0	9.0
LANSING	1087.3	110.4	19.24	0.79	112.9	281.8	16.57	0.79	0.0	0.0	0.0	96.6	3.4	0.0
KAPP	535.3	93.1	19.57	2.85	23.7	271.1	15.94	0.30	13.1	106.5	1.06	98.7	1.2	0.1
COMPANY TOTALS	1861.8	103.1	19.52	1.65	186.8	274.5	16.14	0.60	544.5	122.5	1.21	95.6	3.0	1.5
IOWA ELECTRIC LIGHT & POWER														
BOONE	39.5	120.4	24.70	2.46	0.3	223.1	12.98	0.0	161.0	141.6	1.41	83.4	0.2	16.4
6TH ST	202.1	116.9	23.89	1.98	0.3	187.7	10.96	0.30	1559.0	142.9	1.47	72.1	0.0	27.9
PRAIRE CREEK #4	329.1	136.6	28.11	1.48	0.3	249.0	14.49	0.30	1224.0	133.8	1.37	84.4	0.0	15.6
PRAIRE CREEK #1-3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	786.0	129.4	1.33	0.0	0.0	100.0
SUTHERLAND	337.0	135.2	28.06	1.92	0.0	0.0	0.0	0.0	1960.0	122.7	1.22	78.2	0.0	21.8
COMPANY TOTALS	907.7	131.0	27.00	1.80	0.9	220.0	12.81	0.19	5690.0	132.2	1.34	76.4	0.0	23.5
IOWA-ILLINOIS GAS & ELECTRIC														
CORALVILLE (GT)	0.0	0.0	0.0	0.0	45.0	271.3	15.60	0.25	542.0	128.6	1.32	0.0	31.8	68.2
RIVERSIDE	295.0	105.8	21.92	2.62	164.0	266.9	15.43	0.28	2647.0	134.9	1.38	62.6	9.7	27.7
COMPANY TOTALS	295.0	105.8	21.92	2.62	209.0	267.8	15.47	0.27	3189.0	133.9	1.37	57.7	11.4	30.9
IOWA PUBLIC SERVICE														
ELECTRIFARM (GT)	0.0	0.0	0.0	0.0	134.9	257.1	15.12	0.20	0.0	0.0	0.0	0.0	100.0	0.0
GEORGE NEAL	1303.1	115.6	23.59	0.49	0.0	0.0	0.0	0.0	1909.7	122.4	1.22	93.3	0.0	6.7
MAYNARD	95.9	167.7	34.40	0.50	30.1	257.9	15.16	0.20	135.5	124.1	1.24	86.3	7.8	5.9
MERL PARR (GT)	0.0	0.0	0.0	0.0	10.0	258.6	15.21	0.20	0.0	0.0	0.0	0.0	100.0	0.0
NEAL #3	1250.7	73.7	14.88	0.73	1.5	220.4	12.96	0.20	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	2649.7	97.8	19.81	0.61	176.5	257.0	15.11	0.20	2045.2	122.5	1.23	94.6	1.8	3.6
IOWA POWER & LIGHT														
COUNCIL BLUFFS	299.4	81.8	16.85	0.95	0.0	0.0	0.0	0.0	10.4	169.3	1.68	99.8	0.0	0.2
DES MOINES	398.4	86.8	15.27	2.08	112.2	266.3	15.10	0.35	242.4	129.1	1.28	88.9	8.1	3.0
RIVER HILLS (GT)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	220.8	125.9	1.25	0.0	0.0	100.0
COMPANY TOTALS	697.8	84.4	15.95	1.60	112.2	266.3	15.10	0.35	473.6	128.5	1.27	92.3	4.5	3.3
IOWA SOUTHERN UTILITIES														
BRIDGEPORT	39.9	76.6	14.91	2.99	54.8	269.4	15.60	0.40	0.0	0.0	0.0	71.0	29.0	0.0
BURLINGTON	437.8	82.1	16.55	2.32	1.3	281.3	16.29	0.40	0.0	0.0	0.0	99.9	0.1	0.0
COMPANY TOTALS	477.7	81.7	16.41	2.38	56.1	269.7	15.62	0.40	0.0	0.0	0.0	96.7	3.3	0.0
MUSCATINE PWR & WTR														
MUSCATINE	306.2	115.4	25.18	2.76	0.0	0.0	0.0	0.0	52.9	125.5	1.26	99.2	0.0	0.8
COMPANY TOTALS	306.2	115.4	25.18	2.76	0.0	0.0	0.0	0.0	52.9	125.5	1.26	99.2	0.0	0.8
PELLA MUNICIPAL POWER & LIGHT														
PELLA	101.4	73.7	13.65	4.40	0.8	274.0	16.11	0.47	0.0	0.0	0.0	99.7	0.3	0.0
COMPANY TOTALS	101.4	73.7	13.65	4.40	0.8	274.0	16.11	0.47	0.0	0.0	0.0	99.7	0.3	0.0
KANSAS														
CENTRAL TELE AND UTIL CORP														
CIMARRON RIVER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5313.6	114.2	1.11	0.0	0.0	100.0
CLIFTON (GT)	0.0	0.0	0.0	0.0	36.4	262.8	15.16	0.30	0.0	0.0	0.0	0.0	100.0	0.0
LARGE	0.0	0.0	0.0	0.0	480.9	226.0	13.80	0.55	3361.7	95.9	0.90	0.0	48.3	51.7
MULLERGREN	0.0	0.0	0.0	0.0	121.0	233.5	14.56	0.71	7078.0	107.1	1.02	0.0	10.1	89.9
COMPANY TOTALS	0.0	0.0	0.0	0.0	638.3	229.4	14.02	0.57	15753.3	107.2	1.02	0.0	20.6	79.4
COFFEYVILLE MUNI LT & WTR DEPT														
COFFEYVILLE	0.0	0.0	0.0	0.0	17.8	197.3	12.27	0.70	2880.4	103.3	1.03	0.0	3.7	96.3
COMPANY TOTALS	0.0	0.0	0.0	0.0	17.8	197.3	12.27	0.70	2880.4	103.3	1.03	0.0	3.7	96.3
EMPIRE DIST ELECTRIC														
RIVERTON	201.6	82.3	20.22	4.29	63.3	197.2	12.21	0.55	1984.2	100.5	1.03	67.1	5.3	27.6
COMPANY TOTALS	201.6	82.3	20.22	4.29	63.3	197.2	12.21	0.55	1984.2	100.5	1.03	67.1	5.3	27.6
KANSAS CITY POWER & LIGHT														
LA CYGNE	4033.9	59.0	10.90	2.75	304.4	272.6	15.81	0.30	0.0	0.0	0.0	97.7	2.3	0.0
COMPANY TOTALS	4033.9	59.0	10.90	2.75	304.4	272.6	15.81	0.30	0.0	0.0	0.0	97.7	2.3	0.0
KANSAS CITY BD PUB UTILS														
KAW	197.7	98.0	23.26	2.49	1.4	295.6	17.13	0.50	3920.1	106.2	1.07	54.4	0.1	45.5
QUINDARO	344.6	95.1	23.77	3.23	74.6	260.4	15.09	0.43	5835.5	111.6	1.06	59.1	3.0	38.0
COMPANY TOTALS	542.3	96.1	23.59	2.96	76.0	261.0	15.13	0.44	9755.6	109.3	1.06	57.3	1.9	40.8

FLANT FOSSIL FUEL QUANTITY, QUALITY, AND PRICE DATA FOR CALENDAR YEAR 1977

STATE / COMPANY / PLANT	COAL QUANTITY/ 1000 TONS	COAL C/MM BTU	COAL $/ TON	COAL AV. % SULF.	OIL QUANTITY/ 1000 BBLS	OIL C/MM BTU	OIL $/ BBL	OIL AV. % SULF.	GAS QUANTITY/ 1000 MCF	GAS C/MM BTU	GAS $/ MCF	% OF TOTAL BTUS DELIVERED COAL	% OF TOTAL BTUS DELIVERED OIL	% OF TOTAL BTUS DELIVERED GAS
					WEST NORTH CENTRAL REGION									
KANSAS														
KANSAS GAS & ELECTRIC														
EVANS	0.0	0.0	0.0	0.0	589.0	186.9	11.73	1.23	24350.0	96.5	0.93	0.0	13.6	86.4
GILL	0.0	0.0	0.0	0.0	715.0	189.5	11.88	1.25	10859.0	90.7	0.90	0.0	29.3	70.7
NEOSHO	0.0	0.0	0.0	0.0	153.0	197.6	12.34	1.15	1935.0	100.9	1.03	0.0	32.6	67.4
RIPLEY	0.0	0.0	0.0	0.0	114.0	185.0	11.47	1.27	1825.0	106.2	1.08	0.0	27.5	72.5
COMPANY TOTALS	0.0	0.0	0.0	0.0	1571.0	189.0	11.84	1.24	38969.0	95.6	0.94	0.0	20.5	79.5
MCPHERSON BD OF PUB UTILS														
MCPHERSON (CS)	0.0	0.0	0.0	0.0	188.2	263.1	14.68	0.26	1786.0	106.5	1.01	0.0	38.2	61.8
COMPANY TOTALS	0.0	0.0	0.0	0.0	188.2	263.1	14.68	0.26	1786.0	106.5	1.01	0.0	38.2	61.8
SUNFLOWER ELEC COOP INC														
GARDEN CITY	0.0	0.0	0.0	0.0	33.9	252.1	14.57	0.20	7162.5	103.0	0.92	0.0	3.0	97.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	33.9	252.1	14.57	0.20	7162.5	103.0	0.92	0.0	3.0	97.0
THE CENTRAL KANSAS POWER CO														
ROSS BEACH	0.0	0.0	0.0	0.0	46.2	197.7	12.45	0.80	2210.3	66.7	0.62	0.0	12.3	87.7
COMPANY TOTALS	0.0	0.0	0.0	0.0	46.2	197.7	12.45	0.80	2210.3	66.7	0.62	0.0	12.3	87.7
THE KANSAS POWER & LIGHT CO														
HUTCHINSON	0.0	0.0	0.0	0.0	613.6	217.0	13.30	0.84	16164.1	100.7	1.02	0.0	18.7	81.3
JEFFREY ENERGY CNT	534.9	67.3	11.29	0.36	180.5	234.1	13.88	0.49	0.0	0.0	0.0	89.3	10.7	0.0
LAWRENCE	708.6	119.6	24.02	0.55	487.1	200.9	12.62	1.36	11664.8	106.5	1.08	48.9	10.5	40.5
ABILENE	0.0	0.0	0.0	0.0	118.0	237.9	14.29	0.57	1301.6	105.6	1.03	0.0	35.8	64.2
TECUMSEH	310.9	119.7	23.88	0.55	433.9	218.0	13.42	0.94	7418.2	106.5	1.08	37.8	16.3	45.9
COMPANY TOTALS	1554.4	103.7	19.61	0.49	1833.1	215.8	13.27	0.95	36488.8	103.9	1.05	37.9	14.5	47.6
WELLINGTON, CITY OF														
WELLINGTON	0.0	0.0	0.0	0.0	1.9	262.9	15.37	0.04	754.5	100.0	1.03	0.0	1.4	98.6
COMPANY TOTALS	0.0	0.0	0.0	0.0	1.9	262.9	15.37	0.04	754.5	100.0	1.03	0.0	1.4	98.6
WINFIELD MUN ELEC LT DEPT														
WINFIELD	0.0	0.0	0.0	0.0	52.9	249.2	14.86	0.55	10.2	85.0	0.97	0.0	96.5	3.5
COMPANY TOTALS	0.0	0.0	0.0	0.0	52.9	249.2	14.86	0.55	10.2	85.0	0.97	0.0	96.5	3.5
MINNESOTA														
AUSTIN UTILITIES														
AUSTIN	61.1	133.1	32.34	1.91	106.2	208.6	13.06	1.87	666.0	112.7	1.12	52.8	23.7	23.5
COMPANY TOTALS	61.1	133.1	32.34	1.91	106.2	208.6	13.06	1.87	666.0	112.7	1.12	52.8	23.7	23.5
INTERSTATE POWER														
FOX LAKE	154.5	146.0	25.16	0.72	376.7	228.0	14.36	1.79	301.0	119.5	1.18	49.9	44.5	5.6
COMPANY TOTALS	154.5	146.0	25.16	0.72	376.7	228.0	14.36	1.79	301.0	119.5	1.18	49.9	44.5	5.6
MINNESOTA POWER & LIGHT														
AURORA	360.1	86.5	14.27	1.06	6.0	161.6	10.13	0.79	0.0	0.0	0.0	99.4	0.6	0.0
BOSWELL	2336.3	64.4	10.87	0.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
HIBBARD	0.0	0.0	0.0	0.0	512.9	191.4	12.12	1.48	49.1	158.4	1.58	0.0	98.5	1.5
COMPANY TOTALS	2696.4	67.3	11.32	0.88	518.9	191.0	12.09	1.47	49.1	158.4	1.58	93.1	6.8	0.1
MOORHEAD PUB SERV DEPT														
MOORHEAD	36.1	85.0	12.15	0.56	0.9	280.8	16.51	0.25	0.0	0.0	0.0	99.0	1.0	0.0
COMPANY TOTALS	36.1	85.0	12.15	0.56	0.9	280.8	16.51	0.25	0.0	0.0	0.0	99.0	1.0	0.0
NORTHERN STATES POWER														
BLACK DOG	929.0	82.0	15.28	1.65	3.0	254.8	14.98	0.77	36.0	107.9	1.07	99.7	0.1	0.2
BLUE LAKE (GT)	0.0	0.0	0.0	0.0	88.0	258.1	14.97	0.50	0.0	0.0	0.0	0.0	100.0	0.0
W FARIBAULT (GT)	0.0	0.0	0.0	0.0	6.0	270.4	15.33	0.50	0.0	0.0	0.0	0.0	100.0	0.0
GRANITE CITY (GT)	0.0	0.0	0.0	0.0	17.0	256.7	15.10	0.50	22.0	109.5	1.09	0.0	82.0	18.0
HIGH BRIDGE	609.0	76.5	13.76	1.35	22.0	259.0	15.23	0.54	315.0	86.2	0.61	96.9	1.1	2.0
KEY CITY (GT)	0.0	0.0	0.0	0.0	2.0	264.3	15.54	0.50	0.0	0.0	0.0	0.0	100.0	0.0
KING	1409.0	82.6	15.91	1.89	1.0	264.3	15.54	0.50	0.0	0.0	0.0	100.0	0.0	0.0
PINN VALLEY	52.0	110.7	20.50	1.38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
RIVERSIDE	915.0	67.9	12.80	1.33	0.0	0.0	0.0	0.0	59.0	113.0	1.10	99.7	0.0	0.3
SHERBURNE COUNTY	4067.0	61.6	10.76	0.82	31.0	260.5	15.27	0.50	0.0	0.0	0.0	99.7	0.3	0.0
WILMARTH	31.0	106.6	19.59	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
INVER HILLS (GT)	0.0	0.0	0.0	0.0	479.0	263.8	15.42	0.50	0.0	0.0	0.0	0.0	100.0	0.0
COMPANY TOTALS	8012.0	70.3	12.75	1.21	649.0	262.6	15.34	0.50	432.0	94.5	0.74	97.2	2.5	0.2
OTTER TAIL POWER														
HOOT LAKE	712.2	68.7	9.68	0.79	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	712.2	68.7	9.68	0.79	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
OWATONNA PUBLIC UTILITIES														
CENTRAL	0.0	0.0	0.0	0.0	200.4	197.0	12.41	1.73	322.2	107.0	1.07	0.0	79.7	20.3
COMPANY TOTALS	0.0	0.0	0.0	0.0	200.4	197.0	12.41	1.73	322.2	107.0	1.07	0.0	79.7	20.3
PUB UTILS COMM - NEW ULM														
NEW ULM	62.8	134.8	33.71	1.91	1.6	248.1	14.38	0.39	332.6	104.0	1.04	82.1	0.5	17.4
COMPANY TOTALS	62.8	134.8	33.71	1.91	1.6	248.1	14.38	0.39	332.6	104.0	1.04	82.1	0.5	17.4
ROCHESTER DEPT PUB UTIL														
SILVER LAKE	195.0	127.3	31.37	2.07	0.0	0.0	0.0	0.0	1083.5	114.2	1.15	81.4	0.0	18.6
COMPANY TOTALS	195.0	127.3	31.37	2.07	0.0	0.0	0.0	0.0	1083.5	114.2	1.15	81.4	0.0	18.6
UNITED POWER ASSOCIATION														
ELK RIVER	0.0	0.0	0.0	0.0	19.9	271.5	15.67	0.86	0.0	0.0	0.0	0.0	100.0	0.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	19.9	271.5	15.67	0.86	0.0	0.0	0.0	0.0	100.0	0.0

PLANT FOSSIL FUEL QUANTITY, QUALITY, AND PRICE DATA FOR CALENDAR YEAR 1977

WEST NORTH CENTRAL REGION

STATE / COMPANY / PLANT	COAL QUANTITY/ 1000 TONS	COAL C/MM BTU	COAL $/ TON	COAL AV. % SULF.	OIL QUANTITY/ 1000 BBLS	OIL C/MM BTU	OIL $/ BBL	OIL AV. % SULF.	GAS QUANTITY/ 1000 MCF	GAS C/MM BTU	GAS $/ MCF	% OF TOTAL BTUS DELIVERED COAL	OIL	GAS
MINNESOTA														
VIRGINIA, MINN DEPT OF PUB UTIL														
VIRGINIA	114.3	121.7	22.38	0.83	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	114.3	121.7	22.38	0.83	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
WILLMAR MUN UTIL COMM														
WILLMAR	59.2	119.7	21.58	0.72	0.0	0.0	0.0	0.0	9.0	113.6	1.14	99.2	0.0	0.8
COMPANY TOTALS	59.2	119.7	21.58	0.72	0.0	0.0	0.0	0.0	9.0	113.6	1.14	99.2	0.0	0.8
MISSOURI														
ARKANSAS-MISSOURI POWER														
JIM HILL	0.0	0.0	0.0	0.0	125.2	213.6	13.40	0.87	0.0	0.0	0.0	0.0	100.0	0.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	125.2	213.6	13.40	0.87	0.0	0.0	0.0	0.0	100.0	0.0
ASSOCIATED ELEC COOP-MISSOURI														
HILL	1273.0	62.0	11.97	4.53	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
MADRID	2703.8	75.2	16.13	3.51	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	3976.8	71.3	14.80	3.84	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
CENTRAL ELEC PWR COOP-MISSOURI														
CHAMOIS	81.0	107.7	23.50	3.26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	81.0	107.7	23.50	3.26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
CITY OF INDEPENDENCE PWR & LT														
BLUE VALLEY	157.3	102.1	24.31	3.72	190.2	274.0	15.91	0.12	3602.1	105.9	1.05	44.6	13.1	42.3
JACKSON SQ (GT)	0.0	0.0	0.0	0.0	12.9	258.4	15.02	0.12	0.0	0.0	0.0	0.0	100.0	0.0
SUB H (GT)	0.0	0.0	0.0	0.0	7.3	257.3	14.97	0.12	1082.8	106.7	1.06	0.0	3.8	96.2
SUB I (GT)	0.0	0.0	0.0	0.0	31.2	257.3	14.96	0.12	0.0	0.0	0.0	0.0	100.0	0.0
COMPANY TOTALS	157.3	102.1	24.31	3.72	241.6	270.5	15.71	0.12	4684.9	106.1	1.05	38.3	14.4	47.3
CITY UTILITIES OF SPRINGFIELD														
JAMES RIVER	209.6	98.0	23.28	3.15	81.7	306.4	12.28	0.02	3326.9	102.6	1.04	57.3	3.8	38.9
SOUTHWEST	317.7	101.2	23.10	3.34	126.6	265.4	15.40	0.19	0.0	0.0	0.0	90.8	9.2	0.0
COMPANY TOTALS	527.3	99.9	23.17	3.26	208.3	278.0	14.18	0.12	3326.9	102.6	1.04	73.4	6.4	20.3
COLUMBIA WATER & LIGHT														
COLUMBIA	74.0	139.5	29.00	3.80	31.0	258.9	15.22	0.29	0.0	0.0	0.0	89.4	10.6	0.0
COMPANY TOTALS	74.0	139.5	29.00	3.80	31.0	258.9	15.22	0.29	0.0	0.0	0.0	89.4	10.6	0.0
EMPIRE DIST ELECTRIC														
ASBURY	614.0	57.4	12.08	4.57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
EMPIRE ENERGY CENTER	0.0	0.0	0.0	0.0	3.6	261.9	15.51	0.21	0.0	0.0	0.0	0.0	100.0	0.0
COMPANY TOTALS	614.0	57.4	12.08	4.57	3.6	261.9	15.51	0.21	0.0	0.0	0.0	99.8	0.2	0.0
KANSAS CITY POWER & LIGHT														
GRAND AVE	150.9	69.4	16.98	3.63	44.5	265.9	15.42	0.30	617.1	118.7	1.13	81.4	5.7	12.9
HAWTHORNE	1121.2	58.5	12.59	1.77	42.6	270.1	15.67	0.30	7275.8	117.6	1.12	77.1	0.8	22.1
MONTROSE	1518.1	52.3	10.15	5.73	40.8	273.4	15.85	0.30	0.0	0.0	0.0	99.2	0.8	0.0
NORTHEAST	0.0	0.0	0.0	0.0	633.2	260.0	15.08	0.30	531.6	117.8	1.12	0.0	87.9	12.1
COMPANY TOTALS	2790.2	56.0	11.50	4.02	761.1	261.6	15.17	0.30	8424.5	117.7	1.12	82.2	6.3	11.5
MARSHALL MUN UTIL														
MARSHALL	19.3	110.0	24.20	3.94	0.0	0.0	0.0	0.0	714.0	116.9	1.17	37.2	0.0	62.8
COMPANY TOTALS	19.3	110.0	24.20	3.94	0.0	0.0	0.0	0.0	714.0	116.9	1.17	37.2	0.0	62.8
MISSOURI PUBLIC SERVICE														
GREENWOOD ENERGY C	0.0	0.0	0.0	0.0	49.9	256.5	14.88	0.20	0.0	0.0	0.0	0.0	100.0	0.0
KCI ENERGY CENTR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	870.0	113.5	1.11	0.0	0.0	100.0
GREEN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1118.9	104.5	1.05	0.0	0.0	100.0
SIBLEY	681.0	51.2	12.18	3.67	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	681.0	51.2	12.18	3.67	49.9	256.5	14.88	0.20	1988.9	108.4	1.08	87.7	1.6	10.7
ST JOSEPH LIGHT & POWER														
EDMOND	0.0	0.0	0.0	0.0	51.5	199.7	12.60	2.14	557.5	111.4	1.06	0.0	37.9	62.1
LAKEROAD	482.0	105.8	23.13	3.86	97.0	199.9	12.53	1.89	3265.4	110.3	1.05	73.9	4.3	21.8
COMPANY TOTALS	482.0	105.8	23.13	3.86	148.5	199.8	12.55	1.97	3822.9	110.5	1.05	69.7	6.2	24.1
UNION ELECTRIC														
ASHLEY	0.0	0.0	0.0	0.0	519.0	195.3	12.45	1.81	0.0	0.0	0.0	0.0	100.0	0.0
HOWARD BEND (GT)	0.0	0.0	0.0	0.0	25.0	268.6	15.46	0.30	0.0	0.0	0.0	0.0	100.0	0.0
MERAMEC	1812.0	111.3	25.90	1.77	50.0	274.3	15.05	0.26	160.6	198.5	2.05	99.0	0.6	0.4
RUSH ISLAND	2884.8	96.1	21.31	1.96	104.9	282.7	16.27	0.40	0.0	0.0	0.0	99.1	0.9	0.0
SIOUX	1938.0	71.3	15.77	3.07	12.0	282.1	16.23	0.40	0.0	0.0	0.0	99.8	0.2	0.0
LABADIE	5539.0	62.5	13.88	2.87	229.0	285.0	16.40	0.39	0.0	0.0	0.0	98.9	1.1	0.0
COMPANY TOTALS	12173.8	79.3	17.73	2.52	939.9	231.9	14.11	1.17	160.6	198.5	2.05	97.9	2.1	0.1
NEBRASKA														
FREMONT DEPT OF PUB UTILS														
WRIGHT	228.9	110.7	24.51	0.38	17.9	351.6	13.58	0.0	346.5	118.9	1.19	92.4	1.3	6.3
COMPANY TOTALS	228.9	110.7	24.51	0.38	17.9	351.6	13.58	0.0	346.5	118.9	1.19	92.4	1.3	6.3
GRAND ISLAND UTILITIES														
BURDICK	0.0	0.0	0.0	0.0	148.7	193.8	12.28	1.49	1907.5	93.1	0.88	0.0	34.2	65.8
COMPANY TOTALS	0.0	0.0	0.0	0.0	148.7	193.8	12.28	1.49	1907.5	93.1	0.88	0.0	34.2	65.8
HASTINGS UTILITIES														
NORTH DENVER	0.0	0.0	0.0	0.0	212.0	174.8	11.02	0.74	1412.4	94.8	0.89	0.0	50.2	49.8
COMPANY TOTALS	0.0	0.0	0.0	0.0	212.0	174.8	11.02	0.74	1412.4	94.8	0.89	0.0	50.2	49.8
LINCOLN ELECTRIC SYSTEM														
LINCOLN K	0.0	0.0	0.0	0.0	14.5	205.8	13.15	2.80	19.0	122.3	1.22	0.0	83.0	17.0
ROKEBY	0.0	0.0	0.0	0.0	75.1	253.4	14.64	0.35	0.0	0.0	0.0	0.0	100.0	0.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	89.6	245.1	14.40	0.75	19.0	122.3	1.22	0.0	96.5	3.5

PLANT FOSSIL FUEL QUANTITY, QUALITY, AND PRICE DATA FOR CALENDAR YEAR 1977

STATE / COMPANY / PLANT	COAL QUANTITY/ 1000 TONS	COAL C/MM BTU	COAL $/ TON	COAL AV. % SULF.	OIL QUANTITY/ 1000 BBLS	OIL C/MM BTU	OIL $/ BBL	OIL AV. % SULF.	GAS QUANTITY/ 1000 MCF	GAS C/MM BTU	GAS $/ MCF	% OF TOTAL BTUS DELIVERED COAL	% OF TOTAL BTUS DELIVERED OIL	% OF TOTAL BTUS DELIVERED GAS
WEST NORTH CENTRAL REGION														
NEBRASKA														
NEBRASKA PUBLIC POWER SYS														
HEBON PKG (GT)	0.0	0.0	0.0	0.0	20.9	252.0	15.07	0.27	0.0	0.0	0.0	0.0	100.0	0.0
HALLAM PKG (GT)	0.0	0.0	0.0	0.0	27.1	252.0	15.07	0.28	0.0	0.0	0.0	0.0	100.0	0.0
KRAMER	195.7	111.1	22.56	0.59	0.0	0.0	0.0	0.0	362.0	128.0	1.27	91.7	0.0	8.3
MCCOOK PKG (GT)	0.0	0.0	0.0	0.0	10.6	253.8	15.19	0.28	0.0	0.0	0.0	0.0	100.0	0.0
BLUFFS	0.0	0.0	0.0	0.0	124.8	181.6	11.48	1.15	2041.9	94.9	0.98	0.0	27.2	72.8
SHELDON	610.8	126.7	28.32	0.61	0.0	0.0	0.0	0.0	350.5	109.9	1.09	97.5	0.0	2.5
COMPANY TOTALS	806.4	123.2	26.92	0.60	183.4	203.4	12.63	0.87	2754.4	101.0	1.03	81.6	5.3	13.1
OMAHA PUBLIC POWER DISTRICT														
JONES ST	0.0	0.0	0.0	0.0	80.9	263.6	15.30	0.10	3.3	124.2	1.23	0.0	99.3	0.7
NORTH OMAHA	1279.7	92.0	19.16	0.74	0.0	0.0	0.0	0.0	78.4	125.1	1.24	99.7	0.0	0.3
SARPY COUNTY (GT)	0.0	0.0	0.0	0.0	4.9	253.7	14.72	0.10	10.2	112.2	1.11	0.0	73.8	26.2
COMPANY TOTALS	1279.7	92.0	19.16	0.74	85.8	263.1	15.26	0.10	92.0	123.6	1.23	97.8	1.8	0.3
THE CENTRAL NEB PUB PWRDIR DEPT														
CANADAY	0.0	0.0	0.0	0.0	219.9	176.1	11.10	0.89	5230.9	94.2	0.89	0.0	21.8	78.2
COMPANY TOTALS	0.0	0.0	0.0	0.0	219.9	176.1	11.10	0.89	5230.9	94.2	0.89	0.0	21.8	78.2
NORTH DAKOTA														
BASIN ELECTRIC POWER COOP														
LELAND OLDS	3371.0	41.3	5.48	0.53	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
WM J NEAL	297.7	56.3	7.42	0.37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	3668.7	42.5	5.63	0.51	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
MINNKOTA POWER COOP														
YOUNG	1530.5	24.1	3.13	0.70	14.1	272.5	16.02	0.20	0.0	0.0	0.0	99.6	0.4	0.0
COMPANY TOTALS	1530.5	24.1	3.13	0.70	14.1	272.5	16.02	0.20	0.0	0.0	0.0	99.6	0.4	0.0
MONTANA-DAKOTA UTILITIES														
HESKETT	577.2	43.9	6.09	0.69	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	577.2	43.9	6.09	0.69	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
UNITED POWER ASSOCIATION														
STANTON	731.5	43.7	5.97	0.65	34.0	278.0	16.06	0.50	0.0	0.0	0.0	98.1	1.9	0.0
COMPANY TOTALS	731.5	43.7	5.97	0.65	34.0	278.0	16.06	0.50	0.0	0.0	0.0	98.1	1.9	0.0
SOUTH DAKOTA														
BLACK HILLS POWER & LIGHT														
BEN FRENCH	58.6	51.9	8.33	0.43	55.0	297.4	16.86	0.30	4.0	117.1	1.11	74.9	24.8	0.3
KIRK	152.6	53.3	8.59	0.43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	211.2	52.9	8.52	0.43	55.0	297.4	16.86	0.30	4.0	117.1	1.11	91.5	8.4	0.1
NORTHERN STATES POWER														
LAWRENCE	18.0	122.5	23.00	1.89	0.0	0.0	0.0	0.0	10.0	121.9	1.21	97.1	0.0	2.9
PATHFINDER	0.0	0.0	0.0	0.0	79.0	183.5	11.64	0.90	26.0	120.0	1.19	0.0	95.1	4.9
COMPANY TOTALS	18.0	122.5	23.00	1.89	79.0	183.5	11.64	0.90	36.0	120.5	1.20	38.6	57.3	4.1
OTTER TAIL POWER														
BIG STONE	2237.2	54.8	6.71	0.80	25.9	304.1	17.88	0.12	0.0	0.0	0.0	99.4	0.6	0.0
COMPANY TOTALS	2237.2	54.8	6.71	0.80	25.9	304.1	17.88	0.12	0.0	0.0	0.0	99.4	0.6	0.0

PLANT FOSSIL FUEL QUANTITY, QUALITY, AND PRICE DATA FOR CALENDAR YEAR 1977

SOUTH ATLANTIC REGION

STATE / COMPANY / PLANT	COAL QUANTITY/ 1000 TONS	COAL C/MM BTU	COAL $/ TON	COAL AV. % SULF.	OIL QUANTITY/ 1000 BBLS	OIL C/MM BTU	OIL $/ BBL	OIL AV. % SULF.	GAS QUANTITY/ 1000 MCF	GAS C/MM BTU	GAS $/ MCF	% OF TOTAL BTUS DELIVERED COAL	% OF TOTAL BTUS DELIVERED OIL	% OF TOTAL BTUS DELIVERED GAS
DELAWARE														
DELMARVA POWER & LIGHT														
CHRISTIANA (GT)	0.0	0.0	0.0	0.0	94.7	264.1	15.51	0.17	0.0	0.0	0.0	0.0	100.0	0.0
DELAWARE CITY	9.0	155.4	44.13	6.37	535.0	223.9	12.94	0.22	220.0	165.9	1.96	7.1	85.7	7.2
EDGEMOOR	0.0	0.0	0.0	0.0	5659.0	219.9	13.55	0.91	0.0	0.0	0.0	0.0	100.0	0.0
INDIAN RIVER	704.0	109.2	26.40	1.94	88.0	276.3	16.03	0.30	0.0	0.0	0.0	97.1	2.9	0.0
COMPANY TOTALS	713.0	109.9	26.63	2.00	6376.7	221.6	13.56	0.83	220.0	165.9	1.96	30.5	69.0	0.5
DOVER, CITY OF														
MCKEE RUN	0.0	0.0	0.0	0.0	928.4	216.8	13.45	1.67	226.6	204.6	2.11	0.0	96.1	3.9
COMPANY TOTALS	0.0	0.0	0.0	0.0	928.4	216.8	13.45	1.67	226.6	204.6	2.11	0.0	96.1	3.9
WASHINGTON D. C.														
POTOMAC ELECTRIC POWER														
BENNING	0.0	0.0	0.0	0.0	3384.0	224.9	13.89	1.03	0.0	0.0	0.0	0.0	100.0	0.0
BUZZARD POINT	0.0	0.0	0.0	0.0	495.0	230.7	14.03	0.82	0.0	0.0	0.0	0.0	100.0	0.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	3879.0	225.6	13.90	1.01	0.0	0.0	0.0	0.0	100.0	0.0
FLORIDA														
FLORIDA POWER CORP														
ANCLOTE	0.0	0.0	0.0	0.0	4919.0	195.5	12.26	2.27	0.0	0.0	0.0	0.0	100.0	0.0
AVON PARK	0.0	0.0	0.0	0.0	151.0	205.7	12.66	2.03	2079.0	163.7	1.67	0.0	30.4	69.6
BAYBORO (GT)	0.0	0.0	0.0	0.0	324.0	263.8	15.37	0.37	0.0	0.0	0.0	0.0	100.0	0.0
CRYSTAL RIVER	949.9	145.0	32.66	2.58	3438.0	202.2	12.75	2.28	0.0	0.0	0.0	49.7	50.3	0.0
DEBARY	0.0	0.0	0.0	0.0	711.0	234.2	14.21	0.57	0.0	0.0	0.0	0.0	100.0	0.0
TURNER	0.0	0.0	0.0	0.0	455.0	210.8	13.04	1.98	6399.0	162.7	1.66	0.0	30.1	69.9
HIGGINS	0.0	0.0	0.0	0.0	929.0	196.1	12.23	2.22	1051.0	162.4	1.66	0.0	84.4	15.6
INTERCESSION (GT)	0.0	0.0	0.0	0.0	808.0	259.8	15.07	0.23	0.0	0.0	0.0	0.0	100.0	0.0
BARTOW	0.0	0.0	0.0	0.0	3175.0	198.9	12.37	2.07	7349.0	162.6	1.66	0.0	72.4	27.6
SUWANNEE	0.0	0.0	0.0	0.0	1189.0	203.2	12.70	2.07	91.0	158.1	1.62	0.0	98.8	1.2
COMPANY TOTALS	949.9	145.0	32.66	2.58	16099.0	204.7	12.73	1.99	16969.0	162.7	1.66	15.4	72.1	12.5
FLORIDA POWER AND LIGHT														
CAPE CANAVERAL	0.0	0.0	0.0	0.0	3690.0	206.3	12.85	2.30	18688.0	68.2	0.68	0.0	55.2	44.8
FORT MYERS	0.0	0.0	0.0	0.0	5344.0	219.8	13.56	1.87	0.0	0.0	0.0	0.0	100.0	0.0
LAUDERDALE	0.0	0.0	0.0	0.0	597.0	230.3	14.13	0.99	9501.0	63.7	0.64	0.0	27.8	72.2
MANATEE	0.0	0.0	0.0	0.0	6025.0	231.9	14.26	0.85	0.0	0.0	0.0	0.0	100.0	0.0
PORT EVERGLADES	0.0	0.0	0.0	0.0	6247.0	220.3	13.54	0.99	24133.0	67.9	0.67	0.0	61.6	38.4
PUTNAM	0.0	0.0	0.0	0.0	489.0	258.4	15.08	0.30	16.0	59.6	0.60	0.0	99.4	0.6
RIVERIA	0.0	0.0	0.0	0.0	1424.0	231.6	14.23	0.96	17897.0	64.5	0.65	0.0	32.8	67.2
SANFORD	0.0	0.0	0.0	0.0	4545.0	223.8	13.75	1.11	2740.0	66.7	0.67	0.0	91.1	8.9
TURKEY POINT	0.0	0.0	0.0	0.0	3971.0	229.3	14.17	0.97	14001.0	68.2	0.68	0.0	63.7	36.3
COMPANY TOTALS	0.0	0.0	0.0	0.0	32332.0	223.6	13.77	1.26	86976.0	66.8	0.67	0.0	69.6	30.4
FORT PIERCE, CITY OF														
H O KING	0.0	0.0	0.0	0.0	474.2	238.9	14.63	1.14	1226.7	93.0	0.95	0.0	69.8	30.2
COMPANY TOTALS	0.0	0.0	0.0	0.0	474.2	238.9	14.63	1.14	1226.7	93.0	0.95	0.0	69.8	30.2
GAINESVILLE-ALACHUA COUNTY UTILS														
JR KELLY	0.0	0.0	0.0	0.0	135.4	207.1	13.17	2.34	952.4	87.3	0.90	0.0	46.8	53.2
DEERHAVEN	0.0	0.0	0.0	0.0	596.6	205.6	13.06	2.24	2116.2	91.5	0.94	0.0	63.6	36.4
COMPANY TOTALS	0.0	0.0	0.0	0.0	732.0	205.9	13.08	2.26	3068.6	90.2	0.93	0.0	59.6	40.4
GULF POWER														
CRIST	1432.9	106.6	25.05	3.21	108.9	218.8	13.65	1.50	6178.5	128.8	1.63	79.9	1.6	18.5
SCHOLTZ	305.5	138.1	34.02	1.89	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
SMITH	750.2	128.3	29.91	0.75	110.5	255.0	15.05	0.40	0.0	0.0	0.0	96.4	3.6	0.0
COMPANY TOTALS	2488.6	117.1	27.62	2.31	219.4	236.5	14.35	0.95	6178.5	128.8	1.63	86.5	2.0	11.5
JACKSONVILLE ELECTRIC AUTHORITY														
KENNEDY	0.0	0.0	0.0	0.0	2462.6	223.0	13.77	1.17	0.0	0.0	0.0	0.0	100.0	0.0
NORTHSIDE	0.0	0.0	0.0	0.0	5655.1	205.0	12.78	1.71	0.0	0.0	0.0	0.0	100.0	0.0
SOUTHSIDE	0.0	0.0	0.0	0.0	2634.5	215.8	13.46	1.33	0.0	0.0	0.0	0.0	100.0	0.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	10752.2	211.7	13.17	1.50	0.0	0.0	0.0	0.0	100.0	0.0
LAKE WORTH UTILITIES														
TOM G SMITH	0.0	0.0	0.0	0.0	80.2	237.3	14.64	1.10	2601.5	100.0	1.03	0.0	15.6	84.4
COMPANY TOTALS	0.0	0.0	0.0	0.0	80.2	237.3	14.64	1.10	2601.5	100.0	1.03	0.0	15.6	84.4
LAKELAND DEPT OF ELEC WTR UTILS														
LARSEN MEM	0.0	0.0	0.0	0.0	171.5	231.1	14.33	0.86	1816.4	118.9	1.22	0.0	36.3	63.7
PLANT #3	0.0	0.0	0.0	0.0	1208.2	219.7	13.60	1.49	1546.0	92.8	0.95	0.0	82.5	17.5
COMPANY TOTALS	0.0	0.0	0.0	0.0	1379.7	221.1	13.69	1.42	3362.4	106.9	1.10	0.0	71.2	28.8
ORLANDO UTILITIES COMM														
INDIAN RIVER	0.0	0.0	0.0	0.0	2876.6	214.8	13.47	1.72	4173.2	98.2	1.01	0.0	80.8	19.2
LAKE HIGHLAND	0.0	0.0	0.0	0.0	61.9	218.9	13.78	1.00	1309.4	92.1	0.95	0.0	22.4	77.6
COMPANY TOTALS	0.0	0.0	0.0	0.0	2938.4	214.9	13.48	1.71	5482.6	96.7	0.99	0.0	76.6	23.4
TALLAHASSEE, CITY OF														
PURDOM	0.0	0.0	0.0	0.0	961.8	185.6	11.80	1.69	1003.0	92.4	0.96	0.0	85.4	14.6
HOPKINS	0.0	0.0	0.0	0.0	656.7	191.9	12.20	1.84	3176.2	90.9	0.95	0.0	55.8	44.2
COMPANY TOTALS	0.0	0.0	0.0	0.0	1618.5	188.2	11.97	1.75	4179.2	91.3	0.95	0.0	70.3	29.7
TAMPA ELECTRIC														
GANNON	1008.2	146.0	35.79	1.08	3406.6	206.1	12.84	0.90	0.0	0.0	0.0	53.8	46.2	0.0
HOOKERS POINT	0.0	0.0	0.0	0.0	680.8	206.1	12.86	0.96	0.0	0.0	0.0	0.0	100.0	0.0
BIG BEND	2585.1	122.3	27.37	2.93	128.2	259.2	15.01	0.19	0.0	0.0	0.0	98.7	1.3	0.0
COMPANY TOTALS	3593.3	129.3	29.73	2.41	4215.6	207.6	12.91	0.89	0.0	0.0	0.0	75.9	24.1	0.0

PLANT FOSSIL FUEL QUANTITY, QUALITY, AND PRICE DATA FOR CALENDAR YEAR 1977

SOUTH ATLANTIC REGION

STATE / COMPANY / PLANT	COAL QUANTITY/ 1000 TONS	COAL C/MM BTU	COAL $/ TON	COAL AV. % SULF.	OIL QUANTITY/ 1000 BBLS	OIL C/MM BTU	OIL $/ BBL	OIL AV. % SULF.	GAS QUANTITY/ 1000 MCF	GAS C/MM BTU	GAS $/ MCF	% OF TOTAL BTUS DELIVERED COAL	% OF TOTAL BTUS DELIVERED OIL	% OF TOTAL BTUS DELIVERED GAS
FLORIDA														
UTIL BD CITY OF KEY WEST														
KEY WEST	0.0	0.0	0.0	0.0	299.7	192.7	11.98	1.94	0.0	0.0	0.0	0.0	100.0	0.0
STOCK ISLAND	0.0	0.0	0.0	0.0	365.6	186.7	11.61	2.40	0.0	0.0	0.0	0.0	100.0	0.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	665.3	189.4	11.78	2.19	0.0	0.0	0.0	0.0	100.0	0.0
VERO BEACH MUNI UTILS														
VERO BEACH	0.0	0.0	0.0	0.0	379.0	234.0	14.47	1.31	1344.0	94.4	1.00	0.0	62.3	37.7
COMPANY TOTALS	0.0	0.0	0.0	0.0	379.0	234.0	14.47	1.31	1344.0	94.4	1.00	0.0	62.3	37.7
GEORGIA														
GEORGIA POWER (SOUTHERN CO)														
ARKWRIGHT	413.4	120.8	29.08	1.28	67.7	288.4	16.47	0.24	1473.1	115.7	1.19	84.0	3.3	12.8
ATKINSON	1087.7	121.7	29.15	1.93	1713.5	269.3	15.38	0.28	2238.7	111.8	1.15	68.3	25.7	6.0
HAMMOND	1623.9	122.5	29.72	1.46	11.4	279.8	15.98	0.30	0.0	0.0	0.0	99.8	0.2	0.0
HARLLEE BRANCH	3110.2	120.8	28.86	1.32	18.3	281.6	16.09	0.30	0.0	0.0	0.0	99.9	0.1	0.0
MCMANUS	0.0	0.0	0.0	0.0	1966.8	247.8	14.89	0.64	0.0	0.0	0.0	0.0	100.0	0.0
MITCHELL	549.4	129.6	31.92	1.13	251.3	291.7	16.66	0.24	0.0	0.0	0.0	90.4	9.6	0.0
WANSLEY	2031.2	91.1	20.35	1.51	69.5	279.9	15.99	0.17	0.0	0.0	0.0	99.1	0.9	0.0
YATES	2997.0	120.7	28.66	1.67	22.0	282.6	16.14	0.30	1434.9	124.0	1.27	97.8	0.2	2.0
BOWEN	6280.4	96.7	22.98	2.06	288.0	279.6	15.97	0.17	0.0	0.0	0.0	98.9	1.1	0.0
VOGTLE (GT)	0.0	0.0	0.0	0.0	696.9	297.3	16.98	0.30	0.0	0.0	0.0	0.0	100.0	0.0
COMPANY TOTALS	18093.2	109.8	26.02	1.70	5105.4	266.7	15.54	0.41	5146.7	116.3	1.19	92.5	6.4	1.1
SAVANNAH ELECTRIC & POWER														
BOULEVARD (GT)	0.0	0.0	0.0	0.0	89.0	280.8	16.30	0.30	0.0	0.0	0.0	0.0	100.0	0.0
PORT WENTWORTH	0.0	0.0	0.0	0.0	3130.8	196.6	12.20	2.53	635.0	186.4	1.91	0.0	96.8	3.2
RIVERSIDE	0.0	0.0	0.0	0.0	584.3	227.1	13.66	1.41	561.0	189.5	1.94	0.0	85.9	14.1
COMPANY TOTALS	0.0	0.0	0.0	0.0	3804.1	203.0	12.52	2.31	1196.0	187.9	1.93	0.0	95.0	5.0
MARYLAND														
BALTIMORE GAS & ELECTRIC														
CRANE	0.0	0.0	0.0	0.0	2472.0	221.6	13.60	1.06	0.0	0.0	0.0	0.0	100.0	0.0
GOULD ST	0.0	0.0	0.0	0.0	529.0	225.0	13.75	0.85	0.0	0.0	0.0	0.0	100.0	0.0
WAGNER	594.0	188.5	49.80	0.86	3535.0	224.3	13.70	0.89	0.0	0.0	0.0	42.1	57.9	0.0
NOTCH CLIFF (GT)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.0	205.1	2.09	0.0	0.0	100.0
PHILA RD (GT)	0.0	0.0	0.0	0.0	17.0	259.7	15.09	0.19	0.0	0.0	0.0	0.0	100.0	0.0
PERRYMAN (GT)	0.0	0.0	0.0	0.0	131.0	265.7	15.45	0.17	0.0	0.0	0.0	0.0	100.0	0.0
RIVERSIDE	0.0	0.0	0.0	0.0	1396.0	227.6	13.86	0.84	0.0	0.0	0.0	0.0	100.0	0.0
WESTPORT	0.0	0.0	0.0	0.0	622.0	230.1	13.99	0.81	0.0	0.0	0.0	0.0	100.0	0.0
COMPANY TOTALS	594.0	188.5	49.80	0.86	8702.0	225.1	13.75	0.91	47.0	205.1	2.09	22.8	77.2	0.1
DELMARVA POWER & LIGHT-MD														
VIENNA	0.0	0.0	0.0	0.0	1276.0	209.2	13.03	1.73	0.0	0.0	0.0	0.0	100.0	0.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	1276.0	209.2	13.03	1.73	0.0	0.0	0.0	0.0	100.0	0.0
EASTON UTIL COMM														
EASTON (IC)	0.0	0.0	0.0	0.0	81.0	266.1	15.37	0.16	14.4	218.1	2.04	0.0	97.2	2.8
COMPANY TOTALS	0.0	0.0	0.0	0.0	81.0	266.1	15.37	0.16	14.4	218.1	2.04	0.0	97.2	2.8
POTOMAC ELECTRIC POWER														
CHALK	723.0	112.6	27.38	1.76	3045.0	206.5	12.79	1.73	0.0	0.0	0.0	48.2	51.8	0.0
DICKERSON	1512.0	110.3	26.73	1.58	112.0	265.6	15.45	0.20	0.0	0.0	0.0	98.3	1.7	0.0
MORGANTOWN	1936.0	113.9	27.80	1.66	3475.0	205.4	12.78	1.72	0.0	0.0	0.0	68.6	31.4	0.0
COMPANY TOTALS	4171.0	112.4	27.34	1.65	6632.0	206.8	12.83	1.70	0.0	0.0	0.0	71.2	28.8	0.0
THE POTOMAC EDISON CO-MD (APS)														
SMITH	391.2	82.1	18.22	1.02	5.7	277.7	16.18	0.25	0.0	0.0	0.0	99.6	0.4	0.0
COMPANY TOTALS	391.2	82.1	18.22	1.02	5.7	277.7	16.18	0.25	0.0	0.0	0.0	99.6	0.4	0.0
NORTH CAROLINA														
CAROLINA POWER & LIGHT														
ASHEVILLE	836.8	110.5	26.13	1.23	25.0	270.0	15.76	0.23	0.0	0.0	0.0	99.3	0.7	0.0
BLEWETT (GT)	0.0	0.0	0.0	0.0	53.0	270.0	15.77	0.20	0.0	0.0	0.0	0.0	100.0	0.0
CAPE FEAR	615.9	124.5	29.01	1.05	112.1	272.2	15.89	0.20	0.0	0.0	0.0	95.6	4.4	0.0
LEE	948.7	140.2	33.38	0.99	101.3	267.5	15.62	0.20	0.0	0.0	0.0	97.4	2.6	0.0
ROXBORO	3520.1	110.1	26.69	0.86	67.7	270.8	15.81	0.20	0.0	0.0	0.0	99.5	0.5	0.0
SUTTON	971.1	125.9	29.72	0.97	122.2	265.2	15.48	0.20	0.0	0.0	0.0	97.0	3.0	0.0
WEATHERSPOON	365.0	126.5	30.29	1.02	135.4	269.5	15.73	0.20	0.0	0.0	0.0	91.7	8.3	0.0
COMPANY TOTALS	7257.6	118.2	28.28	0.96	616.7	269.0	15.71	0.20	0.0	0.0	0.0	98.0	2.0	0.0
DUKE POWER														
ALLEN	2434.4	122.3	29.52	1.06	15.7	269.5	15.74	0.20	0.0	0.0	0.0	99.8	0.2	0.0
BELEWS CREEK	4531.7	124.1	29.38	0.94	35.4	272.2	15.89	0.19	0.0	0.0	0.0	99.8	0.2	0.0
BUCK	905.8	132.2	31.73	1.12	181.7	277.1	15.92	0.21	0.1	426.2	4.40	95.4	4.6	0.0
CLIFFSIDE	1645.9	115.2	27.53	1.34	20.9	272.7	15.92	0.20	0.0	0.0	0.0	99.7	0.3	0.0
DAN RIVER	562.6	124.0	29.89	1.00	85.2	273.7	15.79	0.26	0.0	0.0	0.0	96.5	3.5	0.0
MARSHALL	3356.9	133.6	31.84	1.22	115.8	270.7	15.71	0.29	0.0	0.0	0.0	99.2	0.8	0.0
RIVERBEND	1161.1	145.1	33.99	1.23	194.1	270.7	15.75	0.25	0.0	349.5	3.61	96.0	4.0	0.0
COMPANY TOTALS	14598.4	127.1	30.29	1.11	648.8	273.0	15.81	0.24	0.1	415.4	4.29	98.9	1.1	0.0
VIRGINIA ELECTRIC & POWER														
KITTY HAWK (GT)	0.0	0.0	0.0	0.0	135.0	287.0	16.88	0.21	0.0	0.0	0.0	0.0	100.0	0.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	135.0	287.0	16.88	0.21	0.0	0.0	0.0	0.0	100.0	0.0
SOUTH CAROLINA														
CAROLINA POWER & LIGHT														
ROBINSON	493.3	126.0	29.71	1.06	33.7	276.0	16.12	0.20	0.0	0.0	0.0	98.3	1.7	0.0
DARLINGTON (GT)	0.0	0.0	0.0	0.0	791.5	272.1	15.88	0.21	0.0	0.0	0.0	0.0	100.0	0.0
COMPANY TOTALS	493.3	126.0	29.71	1.06	825.3	272.2	15.89	0.21	0.0	0.0	0.0	70.7	29.3	0.0
DUKE POWER														
BUZZARD PT (GT)	0.0	0.0	0.0	0.0	269.3	279.0	16.26	0.12	0.0	0.0	0.0	0.0	100.0	0.0
LEE	778.3	123.9	29.72	1.20	107.5	272.7	15.86	0.21	0.0	0.0	0.0	96.8	3.2	0.0
COMPANY TOTALS	778.3	123.9	29.72	1.20	376.8	277.2	16.15	0.14	0.0	0.0	0.0	89.5	10.5	0.0

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SOUTH ATLANTIC REGION

STATE / COMPANY / PLANT	COAL QUANTITY/ 1000 TONS	COAL C/MM BTU	COAL $/ TON	COAL AV. % SULF.	OIL QUANTITY/ 1000 BBLS	OIL C/MM BTU	OIL $/ BBL	OIL AV. % SULF.	GAS QUANTITY/ 1000 MCF	GAS C/MM BTU	GAS $/ MCF	% OF TOTAL BTUS DELIVERED COAL	OIL	GAS
SOUTH CAROLINA														
SOUTH CAROLINA ELECTRIC & GAS														
BURTON (GT)	0.0	0.0	0.0	0.0	35.5	271.4	15.73	0.17	0.0	0.0	0.0	0.0	100.0	0.0
CANAOYS	643.9	124.5	29.73	1.37	30.8	270.2	15.65	0.17	0.0	0.0	0.0	98.9	1.1	0.0
COIT (GT)	0.0	0.0	0.0	0.0	47.6	280.5	16.30	0.19	0.0	0.0	0.0	0.0	100.0	0.0
HAGOOD	0.0	0.0	0.0	0.0	257.0	198.7	12.59	2.09	0.0	0.0	0.0	0.0	100.0	0.0
MCMEEKIN	641.3	123.0	29.74	1.42	66.7	276.3	15.98	0.17	0.0	0.0	0.0	97.6	2.4	0.0
PARR	0.0	0.0	0.0	0.0	107.5	274.7	15.95	0.17	0.0	0.0	0.0	0.0	100.0	0.0
URGUHART	643.9	122.5	30.14	1.46	28.8	274.8	16.01	0.17	0.0	0.0	0.0	99.0	1.0	0.0
WATEREE	1760.2	120.8	29.96	1.39	71.2	276.8	15.90	0.17	0.0	0.0	0.0	99.1	0.9	0.0
WILLIAMS	0.0	0.0	0.0	0.0	4638.6	171.5	10.71	1.97	0.0	0.0	0.0	0.0	100.0	0.0
COMPANY TOTALS	3689.3	122.1	29.91	1.40	5283.8	179.9	11.18	1.84	0.0	0.0	0.0	73.4	26.6	0.0
SOUTH CAROLINA PUB SERV AUTH														
GEORGETOWN	1374.4	125.9	28.89	1.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
GRAINGER	403.4	131.4	30.39	1.29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
HILTON HEAD (GT)	0.0	0.0	0.0	0.0	44.6	269.2	15.83	0.30	0.0	0.0	0.0	0.0	100.0	0.0
JEFFERIES	557.3	127.7	28.85	1.35	258.3	207.0	12.94	2.29	0.0	0.0	0.0	88.6	11.4	0.0
MYRTLE BEACH (GT)	0.0	0.0	0.0	0.0	140.0	274.2	16.12	0.30	0.0	0.0	0.0	0.0	100.0	0.0
COMPANY TOTALS	2335.1	127.3	29.14	1.31	442.9	233.5	14.24	1.46	0.0	0.0	0.0	95.2	4.8	0.0
VIRGINIA														
APPALACHIAN POWER (AEP)														
CLINCH RIVER	1747.7	131.5	31.65	0.92	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
GLEN LYN	821.8	116.2	26.61	1.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	2569.5	126.8	30.04	0.97	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
DANVILLE WTR GAS & ELEC														
BRANTLY	65.2	117.2	31.00	0.90	3.4	307.4	17.30	0.18	62.0	151.1	1.57	95.4	1.1	3.6
COMPANY TOTALS	65.2	117.2	31.00	0.90	3.4	307.4	17.30	0.18	62.0	151.1	1.57	95.4	1.1	3.6
DELMARVA POWER & LIGHT-VA														
TASLEY (GT)	0.0	0.0	0.0	0.0	39.0	273.5	16.09	0.30	0.0	0.0	0.0	0.0	100.0	0.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	39.0	273.5	16.09	0.30	0.0	0.0	0.0	0.0	100.0	0.0
POTOMAC EDISON-VA (APS)														
RIVERTON	0.0	0.0	0.0	0.0	117.2	273.6	15.93	0.20	0.0	0.0	0.0	0.0	100.0	0.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	117.2	273.6	15.93	0.20	0.0	0.0	0.0	0.0	100.0	0.0
POTOMAC ELECTRIC POWER														
POTOMAC RIVER	1036.0	150.9	37.84	0.86	50.0	262.4	15.28	0.20	0.0	0.0	0.0	98.9	1.1	0.0
COMPANY TOTALS	1036.0	150.9	37.84	0.86	50.0	262.4	15.28	0.20	0.0	0.0	0.0	98.9	1.1	0.0
VIRGINIA ELECTRIC & POWER														
BREMO BLUFF	624.0	135.8	33.42	0.96	83.0	271.8	15.98	0.20	0.0	0.0	0.0	96.9	3.1	0.0
CHESTERFIELD	1222.0	142.9	35.57	1.06	3816.0	211.9	13.24	2.12	0.0	0.0	0.0	56.1	43.9	0.0
LOWMOOR (GT)	0.0	0.0	0.0	0.0	230.0	276.4	16.25	0.20	0.0	0.0	0.0	0.0	100.0	0.0
NORTHERN NECK(GT)	0.0	0.0	0.0	0.0	311.0	280.1	16.47	0.30	0.0	0.0	0.0	0.0	100.0	0.0
PORTSMOUTH	0.0	0.0	0.0	0.0	3723.0	210.4	13.09	1.95	521.0	139.6	1.43	0.0	97.7	2.3
POSSUM POINT	0.0	0.0	0.0	0.0	10257.0	225.4	13.92	1.17	0.0	0.0	0.0	0.0	100.0	0.0
SURRY (GT)	0.0	0.0	0.0	0.0	106.0	280.1	16.47	0.37	82.0	124.4	1.48	0.0	86.4	13.6
YORKTOWN	0.0	0.0	0.0	0.0	9807.0	212.2	13.20	1.59	601.0	186.0	2.44	0.0	98.7	1.3
COMPANY TOTALS	1846.0	140.5	34.84	1.03	28333.0	218.3	13.53	1.52	1204.0	164.3	1.94	20.5	78.8	0.6
WEST VIRGINIA														
APPALACHIAN POWER (AEP)														
CABIN CREEK	98.6	106.8	25.78	0.77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
KANAWHA RIVER	1164.0	108.2	25.61	0.85	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
AMOS	6353.3	120.2	27.53	0.89	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	7615.9	118.1	27.21	0.89	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
CENTRAL OPERATING CO (AEP)														
SPORN	1943.9	121.0	27.15	0.93	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	1943.9	121.0	27.15	0.93	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
MONONGAHELA POWER (APS)														
ALBRIGHT	878.9	93.5	22.82	1.54	2.8	289.9	17.17	0.30	0.0	0.0	0.0	99.9	0.1	0.0
FT MARTIN	2974.2	89.1	21.74	2.04	19.4	284.4	16.84	0.30	0.0	0.0	0.0	99.8	0.2	0.0
RIVESVILLE	411.8	92.3	21.96	1.85	3.2	283.7	16.80	0.30	0.0	0.0	0.0	99.8	0.2	0.0
WILLOW ISLAND	575.0	122.4	28.86	1.25	5.7	277.2	16.42	0.30	0.0	0.0	0.0	99.8	0.2	0.0
HARRISON	5090.0	106.9	25.63	2.42	14.5	395.2	17.65	0.30	15.9	197.3	1.97	99.9	0.1	0.0
COMPANY TOTALS	9929.9	100.6	24.25	2.14	45.6	312.6	17.06	0.30	15.9	197.3	1.97	99.9	0.1	0.0
OHIO POWER (AEP)														
KAMMER	1939.7	67.9	15.93	4.29	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
MITCHELL	3593.9	103.1	23.17	2.92	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	5533.6	90.4	20.63	3.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
VIRGINIA ELECTRIC & POWER														
MOUNT STORM	3485.0	88.3	20.19	1.83	599.0	280.3	16.46	0.23	0.0	0.0	0.0	95.8	4.2	0.0
COMPANY TOTALS	3485.0	88.3	20.19	1.83	599.0	280.3	16.46	0.23	0.0	0.0	0.0	95.8	4.2	0.0

PLANT FOSSIL FUEL QUANTITY, QUALITY, AND PRICE DATA FOR CALENDAR YEAR 1977

STATE / COMPANY / PLANT	COAL QUANTITY/ 1000 TONS	COAL C/MM BTU	COAL $/ TON	COAL AV. % SULF.	OIL QUANTITY/ 1000 BBLS	OIL C/MM BTU	OIL $/ BBL	OIL AV. % SULF.	GAS QUANTITY/ 1000 MCF	GAS C/MM BTU	GAS $/ MCF	% OF TOTAL BTUS DELIVERED COAL	OIL	GAS
EAST SOUTH CENTRAL REGION														
ALABAMA														
ALABAMA ELEC COOP INC														
MC WILLIAMS	43.9	123.9	29.00	1.20	0.0	0.0	0.0	0.0	502.0	100.7	1.03	66.6	0.0	33.4
TOMBIGBEE	185.5	116.4	26.65	1.33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	229.4	117.9	27.10	1.31	0.0	0.0	0.0	0.0	502.0	100.7	1.03	91.1	0.0	8.9
ALABAMA POWER CO (SC)														
BARRY	823.6	139.0	33.31	0.93	155.0	275.9	15.68	0.16	766.8	186.3	2.20	91.7	4.1	4.2
CHICKASAW	0.0	0.0	0.0	0.0	187.4	275.3	15.61	0.19	2489.1	184.5	2.24	0.0	26.0	74.0
DEMOPOLIS (GT)	0.0	0.0	0.0	0.0	73.7	277.8	15.88	0.31	0.0	0.0	0.0	0.0	100.0	0.0
GASTON	4847.8	115.7	27.16	1.64	46.1	272.3	15.84	0.25	0.0	0.0	0.0	99.8	0.2	0.0
GADSDEN	410.9	105.0	25.42	1.34	6.0	279.8	16.07	0.16	0.9	128.4	1.33	99.6	0.3	0.0
GORGAS #2 & #3	5621.2	103.4	23.92	1.26	71.4	279.0	16.01	0.29	0.0	0.0	0.0	99.7	0.3	0.0
GREENE	695.3	120.4	29.21	1.78	20.1	274.4	15.93	0.25	0.0	0.0	0.0	99.3	0.7	0.0
JAMES MILLER	271.7	155.6	39.22	0.72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	12670.5	112.7	26.44	1.40	559.8	276.0	15.75	0.22	3256.9	184.9	2.23	97.7	1.0	1.3
TENNESSEE VALLEY AUTHORITY														
COLBERT	2571.3	114.9	26.38	4.03	811.8	258.3	15.19	0.70	0.0	0.0	0.0	92.5	7.5	0.0
WIDOWS CREEK	2790.7	113.4	25.03	2.97	42.2	300.3	17.48	0.50	0.0	0.0	0.0	99.6	0.4	0.0
COMPANY TOTALS	5362.0	114.1	25.68	3.48	854.0	260.4	15.30	0.69	0.0	0.0	0.0	96.0	4.0	0.0
KENTUCKY														
BIG RIVERS RURAL ELEC COOP														
COLEMAN	1662.2	81.6	18.30	2.36	108.4	401.4	15.50	0.00	50.2	134.6	1.35	98.8	1.1	0.1
REID	1326.1	63.9	13.82	3.07	97.4	276.6	15.80	0.40	0.0	0.0	0.0	98.1	1.9	0.0
COMPANY TOTALS	2988.3	73.9	16.31	2.67	205.8	330.2	15.64	0.19	50.2	134.6	1.35	98.5	1.5	0.1
EAST KENTUCKY RURAL ELEC COOP														
COOPER	742.1	103.0	24.54	1.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
DALE	379.7	96.0	22.56	1.77	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
SPURLOCK	387.2	123.0	28.66	1.56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	1509.0	106.3	25.10	1.68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
HENDERSON MUNICIPAL PWR & LT														
HENDERSON	138.0	87.3	18.87	2.54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	138.0	87.3	18.87	2.54	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
KENTUCKY POWER (AEP)														
BIG SANDY	2908.6	94.6	21.87	1.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	2908.6	94.6	21.87	1.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
KENTUCKY UTILITIES														
BROWN	1398.3	106.0	24.13	2.03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
GHENT	2099.3	105.5	23.90	2.18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
GREEN RIVER	421.7	83.9	19.11	2.69	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
HAEFLING (GT)	0.0	0.0	0.0	0.0	28.4	268.4	15.78	0.34	94.8	179.2	1.79	0.0	63.8	36.2
PINEVILLE	37.4	77.9	19.46	1.27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
TYRONE	136.4	103.5	24.91	0.85	67.9	271.4	15.96	0.37	0.0	0.0	0.0	89.2	10.8	0.0
COMPANY TOTALS	4093.0	103.1	23.48	2.13	96.3	270.5	15.90	0.36	94.8	179.2	1.79	99.3	0.6	0.1
LOUISVILLE GAS & ELECTRIC														
CANE RUN	1734.2	77.9	17.07	3.66	13.4	292.8	17.22	0.08	374.3	93.8	0.96	98.8	0.2	1.0
PADDYS RUN	147.7	79.9	18.07	3.52	0.7	309.4	18.19	0.21	52.1	93.4	0.96	98.3	0.1	1.6
MILL CREEK	1068.9	76.4	16.61	3.84	0.0	0.0	0.0	0.0	123.7	98.2	1.01	99.5	0.0	0.5
WATERSIDE (GT)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.2	94.1	0.96	0.0	0.0	100.0
COMPANY TOTALS	2950.8	77.5	16.95	3.72	14.1	293.6	17.26	0.09	579.3	94.8	0.97	99.0	0.1	0.9
OWENSBORO MUNICIPAL UTILITIES														
SMITH	575.8	72.2	15.25	3.24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
OWENSBORO #1	624.7	81.6	16.97	2.56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	1200.5	77.1	16.15	2.89	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
TENNESSEE VALLEY AUTHORITY														
PARADISE	5801.0	63.4	13.34	4.35	40.8	299.0	17.23	0.50	0.0	0.0	0.0	99.8	0.2	0.0
SHAWNEE	4276.1	94.9	20.53	3.30	26.6	297.6	17.12	0.50	0.0	0.0	0.0	99.8	0.2	0.0
COMPANY TOTALS	10077.1	77.0	16.39	3.90	67.4	298.4	17.19	0.50	0.0	0.0	0.0	99.8	0.2	0.0
MISSISSIPPI														
GREENWOOD UTILS														
HENDERSON STA	74.6	139.7	36.49	1.21	29.7	275.8	16.12	0.08	0.0	0.0	0.0	91.8	8.2	0.0
COMPANY TOTALS	74.6	139.7	36.49	1.21	29.7	275.8	16.12	0.08	0.0	0.0	0.0	91.8	8.2	0.0
MISSISSIPPI POWER (SOUTHERN CO)														
EATON	0.0	0.0	0.0	0.0	408.5	192.3	12.05	2.65	0.0	0.0	0.0	0.0	100.0	0.0
JACKSON COUNTY	0.0	0.0	0.0	0.0	1601.1	213.2	12.88	0.52	0.0	0.0	0.0	0.0	100.0	0.0
STANDARD OIL (GT)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3712.6	40.7	0.42	0.0	0.0	100.0
SWEATT	0.0	0.0	0.0	0.0	348.6	218.4	13.46	1.88	1338.3	166.9	1.96	0.0	57.7	42.3
WATSON	1756.5	105.5	24.38	2.22	1320.6	252.9	14.71	0.33	4001.5	166.4	1.72	77.4	14.7	7.9
COMPANY TOTALS	1756.5	105.5	24.38	2.22	3678.8	225.1	13.50	0.82	9052.3	116.0	1.22	56.2	30.6	13.2
MISSISSIPPI PWR & LT (MSU)														
WILSON	0.0	0.0	0.0	0.0	4830.4	172.9	10.80	2.48	9208.6	102.1	1.07	0.0	75.9	24.1
DELTA	0.0	0.0	0.0	0.0	1387.5	178.7	11.35	2.46	0.0	0.0	0.0	0.0	100.0	0.0
GERALD ANDRUS	0.0	0.0	0.0	0.0	6480.6	175.2	10.96	2.48	0.0	0.0	0.0	0.0	100.0	0.0
NATCHEZ	0.0	0.0	0.0	0.0	513.1	178.2	11.33	2.45	0.0	0.0	0.0	0.0	100.0	0.0
BROWN	0.0	0.0	0.0	0.0	122.1	183.2	11.58	2.06	16495.2	156.5	1.55	0.0	4.5	95.5
COMPANY TOTALS	0.0	0.0	0.0	0.0	13333.7	174.9	10.96	2.47	25703.8	136.3	1.37	0.0	76.3	23.7
SOUTH MISSISSIPPI ELEC PWR ASSN														
MOSELLE	0.0	0.0	0.0	0.0	953.3	179.2	11.06	3.33	3372.3	176.8	1.81	0.0	63.1	36.9
COMPANY TOTALS	0.0	0.0	0.0	0.0	953.3	179.2	11.06	3.33	3372.3	176.8	1.81	0.0	63.1	36.9

PLANT FOSSIL FUEL QUANTITY, QUALITY, AND PRICE DATA FOR CALENDAR YEAR 1977

STATE / COMPANY / PLANT	COAL QUANTITY/ 1000 TONS	COAL C/MM BTU	COAL $/ TON	COAL AV. % SULF.	OIL QUANTITY/ 1000 BBLS	OIL C/MM BTU	OIL $/ BBL	OIL AV. % SULF.	GAS QUANTITY/ 1000 MCF	GAS C/MM BTU	GAS $/ MCF	% OF TOTAL BTUS DELIVERED COAL	OIL	GAS
EAST SOUTH CENTRAL REGION														
TENNESSEE														
TENNESSEE VALLEY AUTHORITY														
ALLEN	1691.2	85.3	18.94	3.66	908.8	257.3	15.10	0.70	0.0	0.0	0.0	87.6	12.4	0.0
BULL RUN	1547.7	93.7	21.44	2.58	66.6	302.9	17.41	0.50	0.0	0.0	0.0	98.9	1.1	0.0
GALLATIN	2375.8	104.9	23.72	3.37	854.1	264.7	15.60	0.70	0.0	0.0	0.0	91.4	8.6	0.0
SEVIER	2042.5	112.0	25.99	2.15	8.9	307.7	17.68	0.50	0.0	0.0	0.0	99.9	0.1	0.0
JOHNSONVILLE	3536.9	106.4	23.13	3.49	2388.8	263.7	15.48	0.70	0.0	0.0	0.0	84.6	15.4	0.0
KINGSTON	3508.6	105.6	24.50	2.17	24.0	295.9	17.07	0.50	0.0	0.0	0.0	99.8	0.2	0.0
WATTS BAR	629.2	109.4	24.25	2.33	1.8	332.2	19.36	0.50	0.0	0.0	0.0	99.9	0.1	0.0
CUMBERLAND	5095.6	102.4	21.52	3.70	82.2	299.5	17.38	0.50	0.0	0.0	0.0	99.6	0.4	0.0
COMPANY TOTALS	20427.5	103.1	22.88	3.08	4335.1	264.1	15.51	0.69	0.0	0.0	0.0	94.7	5.3	0.0

PLANT FOSSIL FUEL QUANTITY, QUALITY, AND PRICE DATA FOR CALENDAR YEAR 1977

WEST SOUTH CENTRAL REGION

STATE / COMPANY / PLANT	COAL QUANTITY/ 1000 TONS	COAL C/MM BTU	COAL $/ TON	COAL AV. % SULF.	OIL QUANTITY/ 1000 BBLS	OIL C/MM BTU	OIL $/ BBL	OIL AV. % SULF.	GAS QUANTITY/ 1000 MCF	GAS C/MM BTU	GAS $/ MCF	% OF TOTAL BTUS DELIVERED COAL	OIL	GAS
ARKANSAS														
ARKANSAS ELECTRIC COOP														
FITZHUGH	0.0	0.0	0.0	0.0	439.0	178.8	11.45	2.80	5.0	112.6	1.15	0.0	99.8	0.2
BAILEY	0.0	0.0	0.0	0.0	771.3	192.1	12.23	2.80	36.0	118.5	1.20	0.0	99.3	0.7
MCCLELLAN	0.0	0.0	0.0	0.0	895.8	191.7	12.08	2.80	33.6	114.8	1.18	0.0	99.4	0.6
COMPANY TOTALS	0.0	0.0	0.0	0.0	2106.1	189.1	12.00	2.80	74.5	116.4	1.19	0.0	99.4	0.6
ARKANSAS-MISSOURI POWER														
BLYTHEVILLE (GT)	0.0	0.0	0.0	0.0	137.4	261.8	15.22	0.10	0.0	0.0	0.0	0.0	100.0	0.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	137.4	261.8	15.22	0.10	0.0	0.0	0.0	0.0	100.0	0.0
ARKANSAS POWER & LIGHT (MSU)														
LYNCH	0.0	0.0	0.0	0.0	712.2	261.7	15.15	0.20	55.3	119.6	1.22	0.0	98.7	1.3
MOSES	0.0	0.0	0.0	0.0	817.3	208.9	13.12	0.97	0.0	0.0	0.0	0.0	100.0	0.0
COUCH	0.0	0.0	0.0	0.0	182.0	221.2	13.38	0.89	5396.5	92.1	0.98	0.0	16.1	83.9
LAKE CATHERINE	0.0	0.0	0.0	0.0	4222.6	208.2	13.01	0.90	274.5	115.1	1.17	0.0	99.0	1.0
MABELVALE (GT)	0.0	0.0	0.0	0.0	21.8	263.2	15.17	0.19	0.0	0.0	0.0	0.0	100.0	0.0
RITCHIE	0.0	0.0	0.0	0.0	5797.3	196.4	12.33	0.97	947.8	116.7	1.19	0.0	97.4	2.6
COMPANY TOTALS	0.0	0.0	0.0	0.0	11753.1	205.7	12.82	0.90	6674.1	96.6	1.02	0.0	91.3	8.7
JONESBORO WTR & LT PLT														
JONESBORO	0.0	0.0	0.0	0.0	14.8	199.6	12.16	0.99	2.9	114.9	1.16	0.0	96.8	3.2
COMPANY TOTALS	0.0	0.0	0.0	0.0	14.8	199.6	12.16	0.99	2.9	114.9	1.16	0.0	96.8	3.2
SOUTHWESTERN ELEC PWR (CSW)														
FLINT CREEK	0.0	0.0	0.0	0.0	21.1	277.9	16.34	0.60	0.0	0.0	0.0	0.0	100.0	0.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	21.1	277.9	16.34	0.60	0.0	0.0	0.0	0.0	100.0	0.0
LOUISIANA														
ALEXANDRIA, CITY OF														
ALEXANDRIA # 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5362.0	163.7	1.70	0.0	0.0	100.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5362.0	163.7	1.70	0.0	0.0	100.0
CAJUN ELEC PWR COOP														
BIG CAJUN #1	0.0	0.0	0.0	0.0	209.8	261.7	15.14	0.37	10608.0	29.2	0.30	0.0	9.9	90.1
COMPANY TOTALS	0.0	0.0	0.0	0.0	209.8	261.7	15.14	0.37	10608.0	29.2	0.30	0.0	9.9	90.1
CENTRAL LOUISIANA ELECTRIC														
COUGHLIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13309.0	160.0	1.75	0.0	0.0	100.0
RODEMACHER	0.0	0.0	0.0	0.0	540.7	204.5	12.60	0.41	14334.0	157.9	1.67	0.0	18.0	82.0
TECHE	0.0	0.0	0.0	0.0	31.8	229.3	13.42	0.22	21403.0	155.5	1.65	0.0	0.8	99.2
COMPANY TOTALS	0.0	0.0	0.0	0.0	572.5	205.8	12.65	0.40	49046.0	157.4	1.68	0.0	6.3	93.7
CITY OF LAFAYETTE UTIL SYSTEM														
BONIN	0.0	0.0	0.0	0.0	43.4	136.3	7.70	0.48	11702.8	142.4	1.54	0.0	1.9	98.1
RODEMACHER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2083.8	144.1	1.56	0.0	0.0	100.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	43.4	136.3	7.70	0.48	13786.6	142.7	1.54	0.0	1.6	98.4
GULF STATES UTILITIES														
LOUISIANA 1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8264.0	27.4	0.29	0.0	0.0	100.0
LOUISIANA 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12700.0	27.4	0.29	0.0	0.0	100.0
NELSON	0.0	0.0	0.0	0.0	4265.9	201.3	12.40	0.48	22044.2	154.1	1.62	0.0	53.2	46.8
WILLOW GLEN	0.0	0.0	0.0	0.0	7663.9	198.7	12.35	0.54	25828.0	164.7	1.76	0.0	63.3	36.7
COMPANY TOTALS	0.0	0.0	0.0	0.0	11929.8	199.7	12.37	0.52	68836.2	119.3	1.27	0.0	50.3	49.7
LOUISIANA PWR & LT (MSU)														
LITTLE GYPSY	0.0	0.0	0.0	0.0	125.3	247.5	14.38	0.30	76129.0	28.0	0.29	0.0	0.9	99.1
NINE MILE	0.0	0.0	0.0	0.0	708.0	219.9	13.13	0.59	65568.0	32.0	0.33	0.0	5.8	94.2
STERLINGTON	0.0	0.0	0.0	0.0	332.0	227.4	13.40	0.51	13040.0	121.4	1.25	0.0	12.7	87.3
THIBODAUX	0.0	0.0	0.0	0.0	1.7	251.6	14.33	0.22	7.0	144.2	1.50	0.0	57.1	42.9
WATERFORD	0.0	0.0	0.0	0.0	5551.0	187.8	11.53	0.97	1608.7	28.0	0.29	0.0	95.3	4.7
COMPANY TOTALS	0.0	0.0	0.0	0.0	6718.0	194.1	11.85	0.89	156352.6	37.4	0.39	0.0	20.1	79.9
MINDEN, CITY OF														
MINDEN	0.0	0.0	0.0	0.0	5.9	269.3	15.61	0.25	164.7	170.0	1.70	0.0	17.3	82.7
COMPANY TOTALS	0.0	0.0	0.0	0.0	5.9	269.3	15.61	0.25	164.7	170.0	1.70	0.0	17.3	82.7
MONROE, CITY OF														
MONROE	0.0	0.0	0.0	0.0	10.2	263.0	15.13	0.18	5965.1	204.8	2.05	0.0	1.0	99.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	10.2	263.0	15.13	0.18	5965.1	204.8	2.05	0.0	1.0	99.0
NATCHITOCHES, CITY OF														
NATCHITOCHES	0.0	0.0	0.0	0.0	5.9	291.5	17.08	0.14	1595.7	162.0	1.62	0.0	2.1	97.9
COMPANY TOTALS	0.0	0.0	0.0	0.0	5.9	291.5	17.08	0.14	1595.7	162.0	1.62	0.0	2.1	97.9
NEW ORLEANS PUB SERV (MSU)														
PATERSON	0.0	0.0	0.0	0.0	764.5	187.0	11.51	1.19	2914.2	175.6	1.86	0.0	60.4	39.6
MARKET ST	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	507.6	167.9	1.75	0.0	0.0	100.0
MICHOUD	0.0	0.0	0.0	0.0	3066.3	180.8	11.23	1.46	13020.3	167.5	1.80	0.0	57.7	42.3
COMPANY TOTALS	0.0	0.0	0.0	0.0	3830.8	182.0	11.29	1.41	16442.1	168.9	1.81	0.0	57.4	42.6
OPELOUSAS MUNI ELEC DEPT														
OPELOUSAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1467.5	194.2	1.94	0.0	0.0	100.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1467.5	194.2	1.94	0.0	0.0	100.0
RUSTON UTIL SYS														
STEAM PLANT	0.0	0.0	0.0	0.0	5.0	266.8	15.13	0.20	1805.6	164.0	1.69	0.0	1.5	98.5
COMPANY TOTALS	0.0	0.0	0.0	0.0	5.0	266.8	15.13	0.20	1805.6	164.0	1.69	0.0	1.5	98.5

PLANT FOSSIL FUEL QUANTITY, QUALITY, AND PRICE DATA FOR CALENDAR YEAR 1977

WEST SOUTH CENTRAL REGION

STATE / COMPANY / PLANT	COAL QUANTITY/ 1000 TONS	COAL C/MM BTU	COAL $/ TON	COAL AV. % SULF.	OIL QUANTITY/ 1000 BBLS	OIL C/MM BTU	OIL $/ BBL	OIL AV. % SULF.	GAS QUANTITY/ 1000 MCF	GAS C/MM BTU	GAS $/ MCF	% OF TOTAL BTUS DELIVERED COAL	OIL	GAS
LOUISIANA														
SEWR & WTR BD N ORLEANS														
PWR HOUSE TWO	0.0	0.0	0.0	0.0	3.4	244.4	14.28	0.14	1607.2	140.5	1.48	0.0	1.2	98.8
COMPANY TOTALS	0.0	0.0	0.0	0.0	3.4	244.4	14.28	0.14	1607.2	140.5	1.48	0.0	1.2	98.8
SOUTHWESTERN ELEC PWR (CSW)														
ARSENAL HILL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3652.0	96.2	1.02	0.0	0.0	100.0
LIEBERMAN	0.0	0.0	0.0	0.0	236.0	189.0	11.70	0.60	5423.0	111.3	1.17	0.0	20.5	79.5
COMPANY TOTALS	0.0	0.0	0.0	0.0	236.0	189.0	11.70	0.60	9075.0	105.2	1.11	0.0	13.2	86.8
OKLAHOMA														
GRAND RIVER DAM AUTHORITY														
CHOUTEAU	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5181.0	137.3	1.41	0.0	0.0	100.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5181.0	137.3	1.41	0.0	0.0	100.0
OKLAHOMA GAS & ELECTRIC														
ARBUCKLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3473.3	123.2	1.28	0.0	0.0	100.0
BELLE ISLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	172.5	175.7	1.82	0.0	0.0	100.0
ENID (GT)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	113.3	122.1	1.27	0.0	0.0	100.0
HORSESHOE LAKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45775.2	124.0	1.29	0.0	0.0	100.0
MUSTANG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24012.2	123.7	1.28	0.0	0.0	100.0
OSAGE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	662.9	144.0	1.49	0.0	0.0	100.0
MUSKOGEE	1919.6	107.6	18.07	0.36	0.0	0.0	0.0	0.0	12460.7	123.8	1.28	71.4	0.0	28.6
SEMINOLE	0.0	0.0	0.0	0.0	3.2	125.7	8.21	0.36	81543.4	123.8	1.28	0.0	0.0	100.0
COMPANY TOTALS	1919.6	107.6	18.07	0.36	3.2	125.7	8.21	0.36	168213.6	123.9	1.29	15.6	0.0	84.4
PUBLIC SERV CO OF OKLAHOMA (CSW)														
COMANCHE (CS)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11382.0	136.7	1.45	0.0	0.0	100.0
NORTHEASTERN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29612.0	136.2	1.47	0.0	0.0	100.0
RIVERSIDE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58786.0	136.8	1.43	0.0	0.0	100.0
SOUTHWESTERN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22272.0	136.5	1.46	0.0	0.0	100.0
TULSA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14688.0	136.7	1.45	0.0	0.0	100.0
WELEETKA	0.0	0.0	0.0	0.0	20.0	253.9	14.67	0.31	0.0	0.0	0.0	0.0	100.0	0.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	20.0	253.9	14.67	0.31	136740.0	136.6	1.45	0.0	0.1	99.9
WESTERN FARMERS ELECTRIC COOP														
ANADARKO	0.0	0.0	0.0	0.0	113.7	271.6	15.80	0.50	5683.3	127.6	1.33	0.0	10.1	89.9
MOORELAND	0.0	0.0	0.0	0.0	7.1	196.2	12.20	2.00	17010.0	124.7	1.31	0.0	0.2	99.8
COMPANY TOTALS	0.0	0.0	0.0	0.0	120.8	266.9	15.59	0.59	22693.3	125.5	1.31	0.0	2.9	97.1
TEXAS														
BRAZOS ELECTRIC POWER COOP														
NORTH TEXAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	450.1	186.8	1.88	0.0	0.0	100.0
MILLER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16384.8	186.7	1.87	0.0	0.0	100.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16835.0	186.7	1.87	0.0	0.0	100.0
BROWNSVILLE PUB UTILS BD														
SI RAY	0.0	0.0	0.0	0.0	10.9	264.1	15.53	0.02	4190.4	203.9	2.04	0.0	1.5	98.5
COMPANY TOTALS	0.0	0.0	0.0	0.0	10.9	264.1	15.53	0.02	4190.4	203.9	2.04	0.0	1.5	98.5
CENTRAL POWER & LIGHT (CSW)														
DAVIS	0.0	0.0	0.0	0.0	92.4	156.6	9.21	0.22	25710.5	193.1	2.01	0.0	2.0	98.0
BATES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10007.6	188.9	2.01	0.0	0.0	100.0
LAREDO	0.0	0.0	0.0	0.0	7.5	116.5	6.85	0.11	7891.3	213.3	2.30	0.0	0.5	99.5
HILL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14116.1	195.4	2.07	0.0	0.0	100.0
NUECES BAY	0.0	0.0	0.0	0.0	12.0	223.6	13.15	0.20	18319.5	198.1	2.04	0.0	0.4	99.6
LA PALMA	0.0	0.0	0.0	0.0	56.9	160.9	9.46	0.24	8121.9	189.8	2.03	0.0	3.7	96.3
VICTORIA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16801.4	196.2	2.05	0.0	0.0	100.0
JOSLIN	0.0	0.0	0.0	0.0	10.4	198.3	11.66	0.20	13293.8	193.5	2.02	0.0	0.4	99.6
COMPANY TOTALS	0.0	0.0	0.0	0.0	179.2	163.2	9.60	0.22	114262.1	195.5	2.05	0.0	0.9	99.1
CITY OF AUSTIN ELECTRIC DEPT														
HOLLY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15424.9	198.3	2.00	0.0	0.0	100.0
SEAHOLM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3488.0	198.7	2.01	0.0	0.0	100.0
DECKER CREEK	0.0	0.0	0.0	0.0	2.2	352.3	20.27	1.00	13375.4	199.4	2.02	0.0	0.1	99.9
COMPANY TOTALS	0.0	0.0	0.0	0.0	2.2	352.3	20.27	1.00	32288.3	198.8	2.01	0.0	0.0	100.0
BRYAN MUNICIPAL ELECTRIC														
BRYAN	0.0	0.0	0.0	0.0	22.7	234.7	13.90	0.20	6018.0	163.0	1.65	0.0	2.2	97.8
DANSBY	0.0	0.0	0.0	0.0	5.9	200.4	11.87	0.30	0.0	0.0	0.0	0.0	100.0	0.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	28.6	227.6	13.48	0.22	6018.0	163.0	1.65	0.0	2.7	97.3
CITY PUB SERV-SAN ANTONIO														
LEON CREEK	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	198.4	2.06	0.0	0.0	100.0
BRAUNIG	0.0	0.0	0.0	0.0	223.3	205.5	12.91	0.46	25285.0	192.6	2.00	0.0	5.1	94.9
TUTTLE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1917.6	192.8	2.01	0.0	0.0	100.0
SOMMERS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27537.6	193.5	2.01	0.0	0.0	100.0
J T DEELY	2289.2	119.1	19.47	0.37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	2289.2	119.1	19.47	0.37	223.3	205.5	12.91	0.46	54740.4	193.1	2.00	39.2	1.5	59.4
DALLAS PWR & LT (TEXAS UTILS)														
DALLAS	0.0	0.0	0.0	0.0	14.6	164.5	10.23	0.30	1925.1	167.0	1.70	0.0	4.4	95.6
MOUNTAIN CREEK	0.0	0.0	0.0	0.0	53.3	174.2	10.83	0.30	23234.5	165.0	1.66	0.0	1.4	98.6
NORTH LAKE	0.0	0.0	0.0	0.0	0.7	248.7	14.36	0.19	24023.4	167.7	1.73	0.0	0.0	100.0
PARKDALE	0.0	0.0	0.0	0.0	29.5	196.8	11.81	0.23	4808.1	169.0	1.71	0.0	3.5	96.5
LAKE HUBBARD	0.0	0.0	0.0	0.0	80.6	234.2	13.53	0.19	31067.9	169.9	1.83	0.0	1.4	98.6
COMPANY TOTALS	0.0	0.0	0.0	0.0	178.8	203.5	12.18	0.24	85059.0	167.9	1.75	0.0	1.2	98.8
DENTON, CITY OF														
DENTON	0.0	0.0	0.0	0.0	133.7	271.1	15.90	0.42	4419.6	159.3	1.70	0.0	14.2	85.8
COMPANY TOTALS	0.0	0.0	0.0	0.0	133.7	271.1	15.90	0.42	4419.6	159.3	1.70	0.0	14.2	85.8

PLANT FOSSIL FUEL QUANTITY, QUALITY, AND PRICE DATA FOR CALENDAR YEAR 1977

STATE / COMPANY / PLANT	COAL QUANTITY/ 1000 TONS	COAL C/MM BTU	COAL $/ TON	COAL AV. % SULF.	OIL QUANTITY/ 1000 BBLS	OIL C/MM BTU	OIL $/ BBL	OIL AV. % SULF.	GAS QUANTITY/ 1000 MCF	GAS C/MM BTU	GAS $/ MCF	% OF TOTAL BTUS DELIVERED COAL	% OF TOTAL BTUS DELIVERED OIL	% OF TOTAL BTUS DELIVERED GAS
WEST SOUTH CENTRAL REGION														
TEXAS														
EL PASO ELECTRIC														
NEWMAN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19319.7	205.2	2.08	0.0	0.0	100.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19319.7	205.2	2.08	0.0	0.0	100.0
GARLAND MUNICIPAL POWER & LIGHT														
NEWMAN	0.0	0.0	0.0	0.0	1.2	253.4	14.78	0.22	449.0	153.6	1.58	0.0	1.4	98.6
OLINGER	0.0	0.0	0.0	0.0	24.0	234.8	13.93	0.31	12162.2	162.7	1.67	0.0	1.1	98.9
COMPANY TOTALS	0.0	0.0	0.0	0.0	25.1	239.7	13.97	0.30	12611.2	162.3	1.67	0.0	1.1	98.9
GREENVILLE ELEC DEPT														
GREENVILLE	0.0	0.0	0.0	0.0	24.0	243.9	14.14	0.35	2205.0	160.0	1.65	0.0	5.8	94.2
COMPANY TOTALS	0.0	0.0	0.0	0.0	24.0	243.9	14.14	0.35	2205.0	160.0	1.65	0.0	5.8	94.2
GULF STATES UTILITIES														
NECHES	0.0	0.0	0.0	0.0	60.6	241.3	14.23	0.33	24996.0	21.7	0.22	0.0	1.4	98.6
SABINE	0.0	0.0	0.0	0.0	35.3	229.3	14.04	0.16	7881.4.0	21.7	0.22	0.0	0.3	99.7
LEWIS CREEK	0.0	0.0	0.0	0.0	173.4	247.2	14.58	0.19	27650.0	26.8	0.27	0.0	3.5	96.5
COMPANY TOTALS	0.0	0.0	0.0	0.0	269.3	243.4	14.43	0.22	131460.0	22.8	0.23	0.0	1.2	98.8
HOUSTON LIGHTING & POWER														
DEEPWATER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8673.3	181.4	1.89	0.0	0.0	100.0
GREEN BAYOU	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29681.4	123.9	1.28	0.0	0.0	100.0
CLARKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3921.1	183.1	1.92	0.0	0.0	100.0
ROBINSON	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	126746.7	101.9	1.05	0.0	0.0	100.0
BERTRON	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45255.1	115.0	1.19	0.0	0.0	100.0
WHARTON	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41025.7	87.7	0.90	0.0	0.0	100.0
PARISH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60546.8	120.0	1.24	0.0	0.0	100.0
WEBSTER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25872.9	118.6	1.22	0.0	0.0	100.0
CEDAR BAYOU	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	127716.1	91.4	0.95	0.0	0.0	100.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	469439.0	105.9	1.09	0.0	0.0	100.0
LOWER COLORADO RIVER AUTHORITY														
T C FERGUSON	0.0	0.0	0.0	0.0	29.7	237.7	14.05	0.30	12361.2	199.3	2.00	0.0	1.4	98.6
GIDEON	0.0	0.0	0.0	0.0	41.0	249.5	14.53	0.21	16062.8	194.9	1.97	0.0	1.5	98.5
COMPANY TOTALS	0.0	0.0	0.0	0.0	70.7	242.2	14.32	0.25	28424.1	196.8	1.98	0.0	1.4	98.6
LUBBOCK PWR & LT DEPT														
HOLLY AVE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3912.0	151.1	1.52	0.0	0.0	100.0
PLANT 2	0.0	0.0	0.0	0.0	35.0	250.4	14.51	0.08	3496.0	150.0	1.53	0.0	5.4	94.6
COMPANY TOTALS	0.0	0.0	0.0	0.0	35.0	250.4	14.51	0.08	7408.0	150.6	1.52	0.0	2.6	97.4
MEDINA ELEC COOP														
PEARSALL	0.0	0.0	0.0	0.0	8.5	133.2	8.05	0.59	4774.9	204.9	2.26	0.0	1.0	99.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	8.5	133.2	8.05	0.59	4774.9	204.9	2.26	0.0	1.0	99.0
SOUTH TEXAS ELEC COOP INC														
SAM RAYBURN	0.0	0.0	0.0	0.0	0.1	182.2	10.71	0.01	2205.0	197.9	1.99	0.0	0.0	100.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	0.1	182.2	10.71	0.01	2205.0	197.9	1.99	0.0	0.0	100.0
SOUTHWESTERN PUBLIC SERVICE														
DENVER CITY	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5184.0	150.2	1.51	0.0	0.0	100.0
EAST PLANT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	572.0	148.5	1.52	0.0	0.0	100.0
MOORE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5964.0	126.0	1.15	0.0	0.0	100.0
NICHOLS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28267.0	135.0	1.29	0.0	0.0	100.0
HARRINGTON	1054.0	107.6	18.14	0.37	0.0	0.0	0.0	0.0	481.0	153.7	1.42	97.6	0.0	2.4
PLANT X	0.0	0.0	0.0	0.0	89.0	287.6	16.78	0.38	16363.0	149.2	1.53	0.0	3.0	97.0
PLANT 66 (GT)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2830.0	121.2	1.19	0.0	0.0	100.0
RIVERVIEW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3677.0	161.6	1.58	0.0	0.0	100.0
JONES	0.0	0.0	0.0	0.0	68.0	320.2	18.60	0.47	17600.0	152.0	1.56	0.0	2.1	97.9
COMPANY TOTALS	1054.0	107.6	18.14	0.37	157.0	301.7	17.56	0.42	80938.0	143.1	1.41	18.0	0.9	81.0
SOUTHWESTERN ELEC PWR (CSW)														
KNOX LEE	0.0	0.0	0.0	0.0	1445.9	191.6	11.86	0.60	18644.8	87.8	0.90	0.0	31.9	68.1
LONE STAR	0.0	0.0	0.0	0.0	19.7	250.7	14.74	0.60	86.4	156.4	1.38	0.0	60.4	39.6
WELSH STATION	1596.5	83.6	14.00	0.38	56.2	265.7	15.62	0.60	0.0	0.0	0.0	98.8	1.2	0.0
WILKES	0.0	0.0	0.0	0.0	9.9	209.2	12.83	0.60	53561.0	70.1	0.66	0.0	0.1	99.9
COMPANY TOTALS	1596.5	83.6	14.00	0.38	1531.7	195.1	12.04	0.60	72292.2	75.1	0.72	29.3	8.9	65.8
TEXAS ELEC SERV (TEXAS UTILS)														
EAGLE MOUNTAIN	0.0	0.0	0.0	0.0	20.0	214.6	12.88	0.41	13185.0	72.2	0.76	0.0	0.9	99.1
GRAHAM	0.0	0.0	0.0	0.0	29.0	229.2	13.75	0.51	23891.0	72.1	0.76	0.0	0.7	99.3
HANDLEY	0.0	0.0	0.0	0.0	49.0	222.2	13.11	0.19	29377.0	70.4	0.74	0.0	0.9	99.1
MORGAN CREEK	0.0	0.0	0.0	0.0	180.0	187.9	11.28	0.56	39435.0	48.9	0.51	0.0	2.6	97.4
NORTH MAIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	883.0	71.6	0.76	0.0	0.0	100.0
PERMIAN BASIN	0.0	0.0	0.0	0.0	379.0	218.0	13.08	0.62	24717.0	74.6	0.75	0.0	8.4	91.6
COMPANY TOTALS	0.0	0.0	0.0	0.0	657.0	210.5	12.61	0.56	131488.0	65.2	0.68	0.0	2.8	97.2
TEXAS PWR & LT (TEXAS UTILS)														
BIG BROWN	5287.0	32.0	4.48	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COLLIN	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3580.0	167.3	1.63	0.0	0.0	100.0
DECORDOVA	0.0	0.0	0.0	0.0	76.0	246.7	14.11	0.10	21086.0	166.2	1.74	0.0	1.9	98.1
LAKE CREEK	0.0	0.0	0.0	0.0	138.5	253.7	14.71	0.15	10338.0	169.8	1.74	0.0	7.1	92.9
MARTIN LAKE	2637.0	57.6	7.78	0.90	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
MONTICELLO	6229.0	33.8	4.19	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
RIVER CREST	0.0	0.0	0.0	0.0	33.7	190.0	11.57	0.39	2296.0	158.9	1.71	0.0	7.7	92.3
STRYKER	0.0	0.0	0.0	0.0	1.6	259.7	15.13	0.19	30601.0	76.4	0.79	0.0	0.0	100.0
TRADINGHOUSE	0.0	0.0	0.0	0.0	356.6	180.2	10.74	0.11	40420.0	163.6	1.67	0.0	4.9	95.1
TRINIDAD	0.0	0.0	0.0	0.0	0.4	258.2	14.93	0.15	6272.0	179.0	1.83	0.0	0.0	100.0
VALLEY	0.0	0.0	0.0	0.0	31.9	253.9	14.75	0.12	30934.0	159.5	1.62	0.0	0.6	99.4
COMPANY TOTALS	14153.0	37.6	4.97	0.66	638.8	208.0	12.26	0.13	145527.0	145.8	1.49	55.0	1.1	43.9

PLANT FOSSIL FUEL QUANTITY, QUALITY, AND PRICE DATA FOR CALENDAR YEAR 1977

STATE / COMPANY / PLANT	COAL QUANTITY/ 1000 TONS	COAL C/MM BTU	COAL $/ TON	COAL AV. % SULF.	OIL QUANTITY/ 1000 BBLS	OIL C/MM BTU	OIL $/ BBL	OIL AV. % SULF.	GAS QUANTITY/ 1000 MCF	GAS C/MM BTU	GAS $/ MCF	% OF TOTAL BTUS DELIVERED COAL	% OF TOTAL BTUS DELIVERED OIL	% OF TOTAL BTUS DELIVERED GAS
WEST SOUTH CENTRAL REGION														
TEXAS														
WEST TEXAS UTILITIES (CSW)														
ABILENE	0.0	0.0	0.0	0.0	0.4	217.7	13.16	0.58	2.0	162.1	1.79	0.0	49.3	50.7
CONCHO	0.0	0.0	0.0	0.0	10.0	209.8	13.16	0.58	197.0	162.9	1.72	0.0	23.2	76.8
FORT PHANTOM	0.0	0.0	0.0	0.0	61.0	210.0	13.17	0.58	16205.0	165.1	1.68	0.0	2.3	97.7
LAKE PAULINE	0.0	0.0	0.0	0.0	13.5	210.3	13.19	0.58	1298.0	163.6	1.88	0.0	5.4	94.6
OAK CREEK	0.0	0.0	0.0	0.0	29.0	209.7	13.15	0.58	4836.0	164.2	1.67	0.0	3.6	96.4
PAINT CREEK	0.0	0.0	0.0	0.0	70.0	210.6	12.90	0.47	7887.0	164.6	1.75	0.0	4.9	95.1
RIO PECOS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10312.0	20.1	0.19	0.0	0.0	100.0
SAN ANGELO	0.0	0.0	0.0	0.0	17.0	207.4	12.27	0.31	7847.0	164.0	1.72	0.0	1.2	98.8
COMPANY TOTALS	0.0	0.0	0.0	0.0	200.8	210.0	13.00	0.52	48584.0	135.9	1.38	0.0	2.4	97.6

PLANT FOSSIL FUEL QUANTITY, QUALITY, AND PRICE DATA FOR CALENDAR YEAR 1977

STATE / COMPANY / PLANT	COAL QUANTITY/ 1000 TONS	COAL C/MM BTU	COAL $/ TON	COAL AV. % SULF.	OIL QUANTITY/ 1000 BBLS	OIL C/MM BTU	OIL $/ BBL	OIL AV. % SULF.	GAS QUANTITY/ 1000 MCF	GAS C/MM BTU	GAS $/ MCF	% OF TOTAL BTUS DELIVERED COAL	% OF TOTAL BTUS DELIVERED OIL	% OF TOTAL BTUS DELIVERED GAS
MOUNTAIN REGION														
ARIZONA														
ARIZONA ELECTRIC POWER COOP INC														
APACHE	0.0	0.0	0.0	0.0	43.6	271.4	16.04	0.35	3647.4	106.4	1.13	0.0	6.2	93.8
COMPANY TOTALS	0.0	0.0	0.0	0.0	43.6	271.4	16.04	0.35	3647.4	106.4	1.13	0.0	6.2	93.8
ARIZONA PUBLIC SERVICE														
CHOLLA	556.1	85.5	17.08	0.46	0.0	0.0	0.0	0.0	28.4	186.7	1.72	99.8	0.0	0.2
CORONADO	0.0	0.0	0.0	0.0	758.7	238.7	14.74	0.55	3586.7	106.5	1.14	0.0	55.0	45.0
PHOENIX	0.0	0.0	0.0	0.0	687.7	255.7	14.99	0.23	1988.3	105.2	1.12	0.0	65.6	34.4
SAGUARO	0.0	0.0	0.0	0.0	714.0	243.8	15.18	0.61	2175.7	108.0	1.15	0.0	65.8	34.2
YUCCA	0.0	0.0	0.0	0.0	377.9	257.8	15.44	0.40	2479.6	108.9	1.14	0.0	46.5	53.5
COMPANY TOTALS	556.1	85.5	17.08	0.46	2538.3	247.4	15.04	0.46	10258.7	107.4	1.14	29.7	41.2	29.1
SALT RIVER PROJECT														
AGUA FRIA	0.0	0.0	0.0	0.0	1780.6	217.3	13.57	0.75	5138.6	106.7	1.15	0.0	66.7	33.3
CROSSCUT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	106.6	1.14	0.0	0.0	100.0
KYRENE	0.0	0.0	0.0	0.0	18.8	264.5	15.94	0.50	178.1	108.3	1.15	0.0	37.4	62.6
NAVAJO	7599.0	43.9	9.51	0.44	217.8	292.9	16.94	0.50	0.0	0.0	0.0	99.2	0.8	0.0
SANTAN (GT)	0.0	0.0	0.0	0.0	1026.7	262.4	15.50	0.25	0.0	0.0	0.0	0.0	100.0	0.0
COMPANY TOTALS	7599.0	43.9	9.51	0.44	3043.9	237.4	14.47	0.56	5316.8	106.8	1.15	87.1	9.8	3.0
THE TUCSON GAS & ELECTRIC CO														
DEMOSS PETRIE	0.0	0.0	0.0	0.0	425.0	232.1	14.34	0.86	2045.4	106.9	1.14	0.0	54.7	45.3
IRVINGTON	0.0	0.0	0.0	0.0	2761.2	230.9	14.34	0.88	7162.0	110.3	1.17	0.0	69.2	30.8
N LOOP (GT)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	840.2	109.9	1.17	0.0	0.0	100.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	3186.2	231.1	14.34	0.87	10047.6	109.5	1.17	0.0	64.9	35.1
COLORADO														
CENTRAL TELE AND UTIL CORP														
PUEBLO	0.0	0.0	0.0	0.0	7.1	260.5	15.54	0.13	2199.4	107.1	0.90	0.0	2.2	97.8
CLARK	123.6	66.9	13.67	0.70	0.0	0.0	0.0	0.0	1212.7	106.9	1.06	67.9	0.0	32.1
COMPANY TOTALS	123.6	66.9	13.67	0.70	7.1	260.5	15.54	0.13	3412.1	107.0	0.96	45.0	0.8	54.3
COLORADO SPRINGS DEPT PUB UTILS														
DRAKE	891.0	85.7	17.92	0.51	0.0	0.0	0.0	0.0	1902.3	120.2	1.18	90.9	0.0	9.1
BIRDSALL	0.0	0.0	0.0	0.0	0.4	277.1	16.33	0.20	1920.6	122.9	1.21	0.0	0.1	99.9
COMPANY TOTALS	891.0	85.7	17.92	0.51	0.4	277.1	16.33	0.20	3822.9	121.6	1.20	83.2	0.0	16.8
COLORADO-UTE ELECTRIC ASSN														
HAYDEN	1068.0	27.8	6.02	0.48	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
NUCLA	93.1	74.1	17.24	0.72	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	1161.1	31.8	6.92	0.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
LAMAR UTILS BD														
LAMAR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1239.3	86.9	0.86	0.0	0.0	100.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1239.3	86.9	0.86	0.0	0.0	100.0
PUBLIC SERVICE CO OF COLORADO														
ALAMOSA (GTS)	0.0	0.0	0.0	0.0	212.7	227.3	13.53	0.30	1059.8	78.1	0.78	0.0	54.5	45.5
ARAPHOE	931.2	67.6	14.83	0.47	0.0	0.0	0.0	0.0	1089.7	113.4	1.12	95.0	0.0	5.0
CAMEO	176.6	79.0	18.43	0.48	0.1	266.7	15.41	0.26	2490.2	64.6	0.65	62.3	0.0	37.7
CHEROKEE	2031.8	61.2	13.41	0.50	0.0	0.0	0.0	0.0	3255.4	113.8	1.12	93.3	0.0	6.7
COMANCHE	2537.5	58.0	9.77	0.37	12.8	282.0	16.11	0.28	5.6	115.5	1.14	99.8	0.2	0.0
FT LUPTON (GT)	0.0	0.0	0.0	0.0	46.3	261.8	15.03	0.28	3018.9	101.2	1.05	0.0	7.8	92.2
FRUITA (GT)	0.0	0.0	0.0	0.0	20.5	277.5	16.00	0.27	582.6	72.0	0.76	0.0	16.1	83.9
VALMONT	462.4	73.9	15.51	0.83	35.2	254.4	14.55	0.23	5533.7	101.1	1.02	62.7	1.3	36.0
ZUNI	0.0	0.0	0.0	0.0	435.9	186.9	11.77	0.93	7710.8	114.8	1.13	0.0	26.5	73.5
COMPANY TOTALS	6139.5	62.7	12.42	0.47	763.5	208.8	12.77	0.66	24746.7	102.1	1.02	80.5	3.1	16.4
IDAHO														
IDAHO PWR CO														
WOOD RIVER (GT)	0.0	0.0	0.0	0.0	2.8	288.7	16.62	0.20	676.0	193.7	2.04	0.0	2.2	97.8
COMPANY TOTALS	0.0	0.0	0.0	0.0	2.8	288.7	16.62	0.20	676.0	193.7	2.04	0.0	2.2	97.8
MONTANA														
MONTANA-DAKOTA UTILITIES														
LEWIS & CLARK	312.4	63.5	8.28	0.47	0.0	0.0	0.0	0.0	11.6	101.6	0.99	99.7	0.0	0.3
COMPANY TOTALS	312.4	63.5	8.28	0.47	0.0	0.0	0.0	0.0	11.6	101.6	0.99	99.7	0.0	0.3
THE MONTANA POWER CO														
COLSTRIP #1	2250.0	24.6	4.29	0.72	67.0	300.8	11.60	0.0	0.0	0.0	0.0	99.3	0.7	0.0
BIRD	0.0	0.0	0.0	0.0	121.0	202.1	12.63	0.37	362.0	86.2	0.99	0.0	64.5	35.5
CORETTE	661.0	28.5	4.92	0.87	0.0	0.0	0.0	0.0	361.0	48.1	0.58	96.3	0.0	3.7
COMPANY TOTALS	2911.0	25.5	4.43	0.75	188.0	227.3	12.26	0.24	723.0	66.8	0.79	96.4	1.9	1.6
NEVADA														
NEVADA POWER														
CLARK	0.0	0.0	0.0	0.0	101.6	247.0	14.59	0.40	5860.0	138.9	1.50	0.0	8.7	91.3
GARDNER	828.4	108.8	26.23	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
SUNRISE	0.0	0.0	0.0	0.0	12.4	235.8	14.07	0.50	3304.1	140.9	1.52	0.0	2.0	98.0
COMPANY TOTALS	828.4	108.8	26.23	0.60	114.0	245.8	14.54	0.41	9164.1	139.7	1.51	65.4	2.2	32.4
SIERRA PACIFIC POWER														
FORT CHURCHILL	0.0	0.0	0.0	0.0	746.7	208.7	12.79	0.71	10721.8	198.0	2.08	0.0	28.9	71.1
TRACY	0.0	0.0	0.0	0.0	573.4	219.3	13.58	0.75	7639.0	196.0	2.06	0.0	30.7	69.3
COMPANY TOTALS	0.0	0.0	0.0	0.0	1320.1	213.3	13.14	0.73	18360.8	197.2	2.07	0.0	29.6	70.4
SOUTHERN CALIFORNIA EDISON														
MOHAVE	4568.0	43.7	9.52	0.41	0.0	0.0	0.0	0.0	3821.0	143.5	1.55	96.0	0.0	4.0
COMPANY TOTALS	4568.0	43.7	9.52	0.41	0.0	0.0	0.0	0.0	3821.0	143.5	1.55	96.0	0.0	4.0
NEW MEXICO														
ARIZONA PUBLIC SERVICE														
FOUR CORNERS	7390.3	27.2	4.77	0.65	0.0	0.0	0.0	0.0	731.9	113.3	1.21	99.4	0.0	0.6
COMPANY TOTALS	7390.3	27.2	4.77	0.65	0.0	0.0	0.0	0.0	731.9	113.3	1.21	99.4	0.0	0.6

PLANT FOSSIL FUEL QUANTITY, QUALITY, AND PRICE DATA FOR CALENDAR YEAR 1977

STATE / COMPANY / PLANT	COAL QUANTITY/ 1000 TONS	COAL C/MM BTU	COAL $/ TON	COAL AV. % SULF.	OIL QUANTITY/ 1000 BBLS	OIL C/MM BTU	OIL $/ BBL	OIL AV. % SULF.	GAS QUANTITY/ 1000 MCF	GAS C/MM BTU	GAS $/ MCF	% OF TOTAL BTUS DELIVERED COAL	% OF TOTAL BTUS DELIVERED OIL	% OF TOTAL BTUS DELIVERED GAS
MOUNTAIN REGION														
NEW MEXICO														
FARMINGTON ELECTRIC UTILITIES														
ANIMAS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1233.0	84.9	0.95	0.0	0.0	100.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1233.0	84.9	0.95	0.0	0.0	100.0
COMMUNITY PUB SERV-NEW MEXICO														
LORDSBURG	0.0	0.0	0.0	0.0	215.0	250.7	15.26	0.98	929.0	114.8	1.22	0.0	57.0	43.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	215.0	250.7	15.26	0.98	929.0	114.8	1.22	0.0	57.0	43.0
EL PASO ELECTRIC														
RIO GRANDE	0.0	0.0	0.0	0.0	463.7	263.0	15.48	0.38	6131.0	111.0	1.18	0.0	29.5	70.5
COMPANY TOTALS	0.0	0.0	0.0	0.0	463.7	263.0	15.48	0.38	6131.0	111.0	1.18	0.0	29.5	70.5
LEA COUNTY ELECTRIC COOP														
LOVINGTON	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4129.8	123.2	1.36	0.0	0.0	100.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4129.8	123.2	1.36	0.0	0.0	100.0
NEW MEXICO ELECTRIC SERVICE														
MADDOX	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7598.0	134.6	1.41	0.0	0.0	100.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7598.0	134.6	1.41	0.0	0.0	100.0
PLAINS ELEC GEN & TRANS COOP														
ALGODONES	0.0	0.0	0.0	0.0	8.8	185.3	11.05	0.34	2668.0	149.7	1.33	0.0	2.2	97.8
COMPANY TOTALS	0.0	0.0	0.0	0.0	8.8	185.3	11.05	0.34	2668.0	149.7	1.33	0.0	2.2	97.8
PUBLIC SERVICE CO OF NEW MEXICO														
PERSON	0.0	0.0	0.0	0.0	65.1	213.1	12.79	0.29	7203.5	168.1	1.74	0.0	5.0	95.0
PRAGER	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	213.9	166.0	1.73	0.0	0.0	100.0
REEVES	0.0	0.0	0.0	0.0	111.5	206.6	12.46	0.35	12378.2	165.3	1.71	0.0	5.0	95.0
SAN JUAN	1731.3	38.1	7.40	0.89	65.6	256.3	14.69	0.17	0.0	0.0	0.0	98.9	1.1	0.0
COMPANY TOTALS	1731.3	38.1	7.40	0.89	242.2	221.4	13.15	0.29	19795.6	166.3	1.72	60.5	2.6	36.9
SOUTHWESTERN PUBLIC SERVICE														
CARLSBAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2958.0	131.8	1.32	0.0	0.0	100.0
CUNNINGHAM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18359.0	151.1	1.51	0.0	0.0	100.0
ROSWELL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1990.0	127.7	1.28	0.0	0.0	100.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23307.0	146.6	1.47	0.0	0.0	100.0
UTAH														
UTAH POWER & LIGHT														
CARBON	585.0	75.7	16.85	1.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
GAOSBY	468.0	87.1	19.44	0.54	218.0	197.6	13.16	0.40	4023.0	109.6	1.04	66.5	9.3	24.2
HUNTINGTON	1217.0	66.6	16.17	0.52	77.0	259.7	15.27	0.30	0.0	0.0	0.0	98.5	1.5	0.0
HALE	149.0	88.3	19.71	0.55	0.0	0.0	0.0	0.0	626.0	104.4	0.99	84.9	0.0	15.1
COMPANY TOTALS	2419.0	73.8	17.18	0.68	295.0	212.4	13.71	0.37	4649.0	108.9	1.03	89.9	3.0	7.0
WYOMING														
BLACK HILLS POWER & LIGHT														
NEIL SIMPSON	149.0	20.3	3.27	0.43	1.0	340.1	19.28	0.30	0.0	0.0	0.0	99.8	0.2	0.0
OSAGE	234.2	32.8	5.28	0.43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	383.2	27.9	4.50	0.43	1.0	340.1	19.28	0.30	0.0	0.0	0.0	99.9	0.1	0.0
PACIFIC POWER & LIGHT														
JIM BRIDGER	4930.0	31.2	5.82	0.57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
JOHNSTON	3238.0	19.8	2.96	0.46	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	8168.0	27.3	4.69	0.52	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
UTAH POWER & LIGHT														
NAUGHTON	2730.0	55.1	10.60	0.52	0.0	0.0	0.0	0.0	73.0	208.0	1.78	99.9	0.0	0.1
COMPANY TOTALS	2730.0	55.1	10.60	0.52	0.0	0.0	0.0	0.0	73.0	208.0	1.78	99.9	0.0	0.1

PLANT FOSSIL FUEL QUANTITY, QUALITY, AND PRICE DATA FOR CALENDAR YEAR 1977

STATE / COMPANY / PLANT	COAL QUANTITY/ 1000 TONS	COAL C/MM BTU	COAL $/ TON	COAL AV. % SULF.	OIL QUANTITY/ 1000 BBLS	OIL C/MM BTU	OIL $/ BBL	OIL AV. % SULF.	GAS QUANTITY/ 1000 MCF	GAS C/MM BTU	GAS $/ MCF	% OF TOTAL BTUS DELIVERED COAL	OIL	GAS
PACIFIC REGION														
ALASKA														
CHUGACH ELECTRIC ASSOC INC														
BELUGA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6874.2	22.5	0.23	0.0	0.0	100.0
BERNICE LAKE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	817.2	94.0	0.94	0.0	0.0	100.0
INTERNATIONAL STATIO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	420.2	94.4	0.95	0.0	0.0	100.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8111.6	33.4	0.34	0.0	0.0	100.0
CALIFORNIA														
BURBANK PUBLIC SERVICE DEPT														
MAGNOLIA/OLIVE	0.0	0.0	0.0	0.0	997.1	255.2	15.70	0.38	1272.0	179.2	1.91	0.0	81.9	18.1
COMPANY TOTALS	0.0	0.0	0.0	0.0	997.1	255.2	15.70	0.38	1272.0	179.2	1.91	0.0	81.9	18.1
GLENDALE PUBLIC SERVICE DEPT														
GLENDALE	0.0	0.0	0.0	0.0	1036.0	255.8	15.52	0.34	1224.0	180.5	1.93	0.0	82.8	17.2
COMPANY TOTALS	0.0	0.0	0.0	0.0	1036.0	255.8	15.52	0.34	1224.0	180.5	1.93	0.0	82.8	17.2
IMPERIAL IRRIGATION DIST														
BRAWLEY (GT)	0.0	0.0	0.0	0.0	6.2	277.0	16.40	0.17	0.0	0.0	0.0	0.0	100.0	0.0
COACHELLA (GT)	0.0	0.0	0.0	0.0	75.6	282.0	16.70	0.17	0.0	0.0	0.0	0.0	100.0	0.0
EL CENTRO	0.0	0.0	0.0	0.0	1099.3	196.0	12.43	1.16	1586.6	198.1	2.08	0.0	80.7	19.3
COMPANY TOTALS	0.0	0.0	0.0	0.0	1181.1	201.6	12.72	1.09	1586.6	198.1	2.08	0.0	81.8	18.2
LOS ANGELES DEPT OF WTR & PWR														
HARBOR	0.0	0.0	0.0	0.0	1375.0	247.6	15.12	0.23	249.0	174.8	1.82	0.0	97.0	3.0
HAYNES	0.0	0.0	0.0	0.0	12402.0	251.9	15.36	0.28	4269.0	180.6	1.88	0.0	94.4	5.6
SCATTERGOOD	0.0	0.0	0.0	0.0	2092.0	246.0	14.82	0.30	12141.0	188.3	1.97	0.0	49.8	50.2
VALLEY	0.0	0.0	0.0	0.0	1559.0	246.0	15.02	0.29	4062.0	180.3	1.90	0.0	69.0	31.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	17428.0	250.3	15.24	0.28	20721.0	185.0	1.94	0.0	83.0	17.0
PACIFIC GAS & ELECTRIC														
AVON	0.0	0.0	0.0	0.0	89.0	233.0	14.89	0.58	2921.8	217.0	2.48	0.0	14.6	85.4
CONTRA COSTA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63239.3	219.3	2.31	0.0	0.0	100.0
HUMBOLDT BAY	0.0	0.0	0.0	0.0	245.1	203.5	13.12	1.32	4231.5	220.5	2.29	0.0	26.4	73.6
HUNTERS POINT	0.0	0.0	0.0	0.0	426.5	230.7	14.46	0.34	20102.5	218.5	2.29	0.0	11.2	88.8
KERN	0.0	0.0	0.0	0.0	2530.7	158.0	9.92	0.91	584.1	204.5	2.21	0.0	96.2	3.8
MARTINEZ	0.0	0.0	0.0	0.0	27.6	235.6	15.25	0.99	4731.2	218.8	2.44	0.0	3.3	96.7
MORRO BAY	0.0	0.0	0.0	0.0	3192.6	239.8	14.75	0.43	39672.8	221.5	2.39	0.0	31.4	68.6
MOSS LANDING	0.0	0.0	0.0	0.0	13250.2	239.5	14.70	0.37	42768.9	219.5	2.37	0.0	63.8	36.2
OLEUM	0.0	0.0	0.0	0.0	4.1	235.8	14.88	0.99	6540.9	217.0	2.35	0.0	0.4	99.6
PITTSBURG	0.0	0.0	0.0	0.0	17134.1	238.5	14.66	0.44	30265.8	221.1	2.34	0.0	76.7	23.3
POTRERO	0.0	0.0	0.0	0.0	1058.0	247.1	14.86	0.26	15091.1	219.4	2.30	0.0	28.6	71.4
COMPANY TOTALS	0.0	0.0	0.0	0.0	37957.9	233.4	14.36	0.44	230149.9	219.8	2.34	0.0	48.8	51.2
PASADENA WTR & PWR DEPT														
BROADWAY	0.0	0.0	0.0	0.0	1115.0	252.6	15.91	0.50	1242.6	176.7	1.86	0.0	84.3	15.7
GLENARM	0.0	0.0	0.0	0.0	20.0	256.3	14.94	0.12	104.2	191.9	2.01	0.0	51.6	48.4
COMPANY TOTALS	0.0	0.0	0.0	0.0	1135.0	252.6	15.89	0.49	1346.8	177.9	1.88	0.0	83.4	16.6
SAN DIEGO GAS & ELECTRIC														
ENCINA	0.0	0.0	0.0	0.0	6663.0	250.5	15.41	0.34	951.0	237.9	2.49	0.0	97.6	2.4
KEARNY (GT)	0.0	0.0	0.0	0.0	38.0	271.9	15.76	0.28	186.0	235.5	2.47	0.0	53.0	47.0
MIRAMAR (GT)	0.0	0.0	0.0	0.0	11.0	271.3	15.72	0.30	102.0	242.7	2.55	0.0	37.3	62.7
N ISLAND (GT)	0.0	0.0	0.0	0.0	10.0	272.4	15.79	0.28	0.0	0.0	0.0	0.0	100.0	0.0
SILVER GATE	0.0	0.0	0.0	0.0	706.0	267.2	15.48	0.27	3164.0	232.7	2.45	0.0	55.1	44.9
SOUTH BAY	0.0	0.0	0.0	0.0	5018.0	248.0	15.27	0.33	10232.0	233.7	2.46	0.0	74.2	25.8
STATION B	0.0	0.0	0.0	0.0	41.0	268.0	15.60	0.26	272.0	237.0	2.49	0.0	45.5	54.5
NAVEL STATION	0.0	0.0	0.0	0.0	74.0	268.8	15.58	0.24	0.0	0.0	0.0	0.0	100.0	0.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	12561.0	250.6	15.36	0.33	14907.0	233.9	2.46	0.0	83.1	16.9
SOUTHERN CALIFORNIA EDISON														
ALAMITOS	0.0	0.0	0.0	0.0	15552.0	234.4	14.30	0.29	7366.0	175.3	1.83	0.0	92.5	7.5
COOL WATER	0.0	0.0	0.0	0.0	588.0	254.7	14.82	0.20	9583.0	229.5	2.48	0.0	24.8	75.2
ELLWOOD (GT)	0.0	0.0	0.0	0.0	1.0	289.2	16.35	0.01	0.0	0.0	0.0	0.0	100.0	0.0
EL SEGUNDO	0.0	0.0	0.0	0.0	6557.0	233.4	14.24	0.32	12408.0	176.4	1.85	0.0	75.4	24.6
ETIWANDA	0.0	0.0	0.0	0.0	7424.0	229.5	14.00	0.39	10140.0	178.4	1.87	0.0	81.0	19.0
HIGHGROVE	0.0	0.0	0.0	0.0	24.0	228.5	13.94	0.50	201.0	175.3	1.84	0.0	41.0	59.0
HUNTINGTON BEACH	0.0	0.0	0.0	0.0	5444.0	231.9	14.15	0.39	10970.0	178.8	1.86	0.0	74.4	25.6
LONG BEACH	0.0	0.0	0.0	0.0	910.0	261.5	14.79	0.11	5317.0	197.4	2.05	0.0	48.2	51.8
MANDALAY	0.0	0.0	0.0	0.0	3097.0	230.7	14.07	0.41	6120.0	169.3	1.74	0.0	75.0	25.0
REDONDO	0.0	0.0	0.0	0.0	7601.0	235.5	14.37	0.25	20451.0	186.8	1.94	0.0	68.6	31.4
SAN BERNARDINO	0.0	0.0	0.0	0.0	473.0	240.9	14.69	0.42	4743.0	179.8	1.88	0.0	36.7	63.3
ORMOND BEACH	0.0	0.0	0.0	0.0	11892.0	234.8	14.31	0.41	578.0	169.8	1.83	0.0	99.1	0.9
COMPANY TOTALS	0.0	0.0	0.0	0.0	59563.0	234.1	14.26	0.34	87877.0	186.1	1.95	0.0	79.8	20.2
HAWAII														
HAWAIIAN ELECTRIC														
HILL	0.0	0.0	0.0	0.0	457.9	188.8	11.98	1.60	0.0	0.0	0.0	0.0	100.0	0.0
HONOLULU	0.0	0.0	0.0	0.0	372.7	143.0	8.87	0.37	0.0	0.0	0.0	0.0	100.0	0.0
KAHE	0.0	0.0	0.0	0.0	4946.4	185.1	11.74	1.81	0.0	0.0	0.0	0.0	100.0	0.0
WAIAU	0.0	0.0	0.0	0.0	3313.3	189.9	11.76	0.38	0.0	0.0	0.0	0.0	100.0	0.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	9090.3	185.3	11.64	1.22	0.0	0.0	0.0	0.0	100.0	0.0
MAUI ELECTRIC														
KAHULUI	0.0	0.0	0.0	0.0	508.2	199.0	12.51	1.97	0.0	0.0	0.0	0.0	100.0	0.0
MAALAEA	0.0	0.0	0.0	0.0	265.8	288.6	16.69	0.40	0.0	0.0	0.0	0.0	100.0	0.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	774.0	228.1	13.94	1.43	0.0	0.0	0.0	0.0	100.0	0.0
OREGON														
PACIFIC POWER & LIGHT														
LINCOLN	0.0	0.0	0.0	0.0	50.6	254.2	14.19	0.10	894.8	193.4	2.02	0.0	23.2	76.8
COMPANY TOTALS	0.0	0.0	0.0	0.0	50.6	254.2	14.19	0.10	894.8	193.4	2.02	0.0	23.2	76.8

PLANT FOSSIL FUEL QUANTITY, QUALITY, AND PRICE DATA FOR CALENDAR YEAR 1977

STATE / COMPANY / PLANT	COAL QUANTITY/ 1000 TONS	COAL C/MM BTU	COAL $/ TON	COAL AV. % SULF.	OIL QUANTITY/ 1000 BBLS	OIL C/MM BTU	OIL $/ BBL	OIL AV. % SULF.	GAS QUANTITY/ 1000 MCF	GAS C/MM BTU	GAS $/ MCF	% OF TOTAL BTUS DELIVERED COAL	% OF TOTAL BTUS DELIVERED OIL	% OF TOTAL BTUS DELIVERED GAS
PACIFIC REGION														
OREGON														
PORTLAND GENERAL ELECTRIC														
BEAVER (GT)	0.0	0.0	0.0	0.0	660.4	267.5	15.45	0.30	0.0	0.0	0.0	0.0	100.0	0.0
BETHEL (GT)	0.0	0.0	0.0	0.0	30.0	258.8	14.95	0.30	8.8	203.0	2.10	0.0	95.0	5.0
HARBORTON (GT)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.9	197.6	2.05	0.0	0.0	100.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	690.4	267.1	15.42	0.30	52.7	198.5	2.06	0.0	98.6	1.4
WASHINGTON														
PACIFIC POWER & LIGHT														
CENTRALIA	4550.0	72.3	11.72	0.59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
COMPANY TOTALS	4550.0	72.3	11.72	0.59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0	0.0	0.0
WASHINGTON WTR PWR CO														
OTHELLO (GT)	0.0	0.0	0.0	0.0	0.9	280.1	15.71	0.02	0.0	0.0	0.0	0.0	100.0	0.0
COMPANY TOTALS	0.0	0.0	0.0	0.0	0.9	280.1	15.71	0.02	0.0	0.0	0.0	0.0	100.0	0.0
NATIONAL TOTALS	491697.6	94.6	20.37	1.96	635858.2	225.0	13.79	0.90	3106403.0	129.1	1.33	59.9	22.0	18.1

APPENDIX II
PROFILE OF FUEL DELIVERIES TO ELECTRIC UTILITIES
1974-1977

Included in Appendix II are utilities which at one time filed Form 423 data, but ceased reporting as a result of either retirement or derating of units below the minimum capacity requirement of 25 megawatts. The following is a list of such utilities:

No Longer Report

1. Blackstone Valley Elec.
2. Central Vermont Public Service Corp.
3. Marshall Utilities
4. N. W. Electric Power Coop.
5. Seattle Dept. of Lighting
6. Wheatland Electric Coop.

Appendix II also includes utilities which initially filed Form 423 reports under one name but, becuase of changes in either the owner or operator, currently files under a different name. The following is a list of those companies.

Changed Operating Company

1. Consumers Public Pwr. Dist. - now filed by - Nebraska Pub. Pwr. Sys.
2. New Jersey Pwr. & Lt. Co. - now filed by - Jersey Central Pwr. & Lt.
3. Southern Elec. Gen. Co. - now filed by - Alabama Power Co.

Some utilities continue to file Form 423 but show no fossil fuel purchases for one or more years. When no activity is reported during a full year, the computer program makes no entry for that year.

NOTE: Explanations of column headings and the various commodities which were included in these headings are presented at the end of this Appendix.

YEAR	COAL QUAN. DELIV. 1000 TONS	COAL % ON CONTR	COAL AVERAGE CONTENT BTU/LB	COAL SULF WT %	COAL ASH WT %	COAL AVERAGE PRICE IN $ PER TON SPOT	COAL CONTR	COAL TOTAL	RESIDUAL OIL #6 QUAN. DELIV. 1000 BBLS	RESIDUAL OIL #6 % ON CONTR	RESIDUAL OIL #6 AV. CONTENT BTU/GAL	RESIDUAL OIL #6 SULF WT %	RESIDUAL OIL #6 AVERAGE PRICE IN $ PER BBL SPOT	RESIDUAL OIL #6 CONTR	RESIDUAL OIL #6 TOTAL	FUEL OIL # 2 QUAN 1000 BBLS	FUEL OIL # 2 % OF TOTAL #2+#6	FUEL OIL # 2 BTU CONT/GAL	FUEL OIL # 2 AV. PRICE $/BBL
ALABAMA ELEC COOP INC																			
1974	79	33.5	11902	1.37	13.9	32.45	8.73	24.50	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	148	0.0	11677	1.35	16.0	23.51	0.0	23.51	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	229	93.1	11497	1.31	15.3	26.27	27.16	27.10	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
ALABAMA POWER CO (SC)																			
1974	10787*	68.3	11701	1.69	14.3	28.66	15.75	19.84	0	0.0	0	0.0	0.0	0.0	0.0	154	100.0	138084	11.88
1975	12092	65.7	11815	1.64	13.7	26.64	21.22	23.08	0	0.0	0	0.0	0.0	0.0	0.0	607	100.0	137260	12.57
1976	10785	67.1	11783	1.38	14.0	21.64	22.79	22.41	0	0.0	0	0.0	0.0	0.0	0.0	544	100.0	136571	13.54
1977	12669*	57.8	11728	1.40	13.9	27.13	25.93	26.44	0	0.0	0	0.0	0.0	0.0	0.0	560	100.0	135872	15.75
ALEXANDRIA, CITY OF																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	58	100.0	138119	10.46
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
AMES, CITY OF																			
1974	58	87.2	9547	2.97	12.2	15.82	14.44	14.62	0	0.0	0	0.0	0.0	0.0	0.0	7	100.0	137340	12.02
1975	114	90.1	9796	2.68	10.3	22.31	19.27	19.57	0	0.0	0	0.0	0.0	0.0	0.0	8	100.0	138360	13.30
1976	80	98.0	10063	2.96	9.9	31.62	20.45	20.68	0	0.0	0	0.0	0.0	0.0	0.0	6	100.0	138360	14.14
1977	101	93.7	10165	4.14	13.4	28.04	22.32	22.68	0	0.0	0	0.0	0.0	0.0	0.0	10	100.0	138360	15.45
APPALACHIAN POWER (AEP)																			
1974	11103	45.4	11362	0.92	16.1	35.66	16.52	26.97	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	10142	86.0	11473	0.86	16.5	22.88	22.17	22.27	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	9981	91.6	11700	0.87	15.3	21.41	24.12	23.89	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	10184	83.3	11602	0.91	15.5	27.12	28.08	27.92	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
ARIZONA ELECTRIC POWER COOP INC																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	362	100.0	137000	12.21
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	188	100.0	137287	13.12
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	33	100.0	138954	14.50
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	44	100.0	140746	16.04
ARIZONA PUBLIC SERVICE																			
1974	7443	100.0	8890	0.60	21.2	0.0	3.48	3.48	2101	92.1	150328	0.78	11.36	10.34	10.42	126	5.7	140821	11.89
1975	6319	98.8	8844	0.52	21.9	21.66	4.06	4.26	1621*	100.0	148729	0.66	0.0	15.00	15.00	309	16.0	137318	13.04
1976	7201	100.0	8862	0.61	21.9	0.0	4.93	4.93	1236*	89.5	147038	0.49	14.85	15.89	15.78	495	28.6	137534	13.74
1977	7946	100.0	8868	0.64	20.8	0.0	5.64	5.64	1736*	92.1	147663	0.56	15.22	14.79	14.83	802	31.6	138360	15.49
ARKANSAS ELECTRIC COOP																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	407*	89.4	152414	2.70	8.24	11.22	10.90	71	14.8	139997	10.24
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	588	34.2	150871	2.79	10.27	11.05	10.53	0	0.0	0	0.0
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	1783	37.7	151216	2.76	10.17	10.86	10.43	0	0.0	0	0.0
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	2106	0.0	151108	2.80	12.00	0.0	12.00	0	0.0	0	0.0
ARKANSAS-MISSOURI POWER																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	7	100.0	150443	1.50	0.0	9.24	9.24	9	56.9	135902	13.93
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	14	100.0	150281	0.82	0.0	12.64	12.64	42	75.3	137622	13.42
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	8	100.0	150275	0.90	0.0	14.08	14.08	31	79.0	135794	13.70
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	123	100.0	149511	0.88	0.0	13.38	13.38	139	53.0	138384	15.21
ARKANSAS POWER & LIGHT (MSU)																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	6082	100.0	150223	0.92	0.0	10.32	10.32	251	4.0	138425	12.20
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	3546	100.0	149165	0.87	0.0	11.84	11.84	156	4.2	138378	12.75
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	6406	100.0	149591	0.99	0.0	12.53	12.53	358	5.3	138906	14.45
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	11015	100.0	149137	0.95	0.0	12.67	12.67	738	6.3	137863	15.16
ASSOCIATED ELEC COOP-MISSOURI																			
1974	2463*	100.0	9924	4.59	17.2	0.0	7.81	7.81	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	2662*	100.0	9724	4.42	18.1	0.0	10.18	10.18	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	3136*	100.0	10116	4.05	15.5	0.0	11.90	11.90	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	3977*	100.0	10378	3.84	14.3	0.0	14.80	14.80	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
ATLANTIC CITY ELECTRIC																			
1974	634	9.9	12249	2.56	12.8	35.27	37.16	35.46	543*	100.0	139398	0.79	0.0	14.90	14.90	92*	14.5	133602	14.75
1975	745	100.0	12236	2.88	12.6	0.0	32.16	32.16	1124*	100.0	142275	0.73	0.0	13.67	13.67	157*	12.2	135641	14.05
1976	656	100.0	12682	2.79	10.7	0.0	31.42	31.42	1289*	100.0	145739	1.40	0.0	12.18	12.18	213*	14.2	135262	14.21
1977	784	100.0	12558	3.06	11.9	0.0	29.97	29.97	1544	100.0	148002	1.89	0.0	13.90	13.90	443*	22.3	135735	15.84
AUSTIN UTILITIES																			
1974	23	96.1	12054	2.67	7.6	18.38	20.81	20.72	40	83.4	148410	2.46	14.85	12.43	12.83	0	0.0	0	0.0
1975	51	53.4	11848	2.27	8.8	26.32	32.23	29.47	62	63.2	146851	1.49	12.12	13.52	13.00	0	0.0	0	0.0
1976	52	78.1	12286	1.92	7.8	29.23	32.14	31.51	74	66.0	150976	2.04	11.49	12.11	11.90	0	0.0	0	0.0
1977	61	96.3	12149	1.91	8.4	33.19	32.31	32.34	106*	43.4	149022	1.87	12.95	13.19	13.06	0	0.0	0	0.0

NATURAL GAS						TOTAL QUANTITY DELIVERED							TOTAL DELIVERED FUEL COST						
AMOUNT IN 1000 MCF	BTU CONT/ CU.FT	AVERAGE PRICE IN $ PER MCF FIRM	IRPT	TOTL	% FIRM/ TOTAL	IN BILLION BTUS COAL	OIL	GAS	TOTAL	% OF TOTAL BTUS COAL	OIL	GAS	IN $1000 COAL	OIL	GAS	TOTAL	% OF FUEL COST COAL	OIL	GAS
						ALABAMA ELEC COOP INC													
1885	1028	0.46	0.0	0.46	0.0	1880	0	1938	3818	49.2	0.0	50.8	1936	0	860	2795	69.2	0.0	30.8
2370	1028	0.56	0.0	0.56	0.0	0	0	2436	2436	0.0	0.0	100.0	0	0	1328	1328	0.0	0.0	100.0
44	1029	0.76	0.0	0.76	0.0	3447	0	45	3492	98.7	0.0	1.3	3470	0	34	3504	99.0	0.0	1.0
502	1025	1.03	0.0	1.03	0.0	5274	0	515	5788	91.1	0.0	8.9	6216	0	518	6734	92.3	0.0	7.7
						ALABAMA POWER CO (SC)													
3065	1049	0.54	1.32	1.15	78.5	252442	896	3216	256554	98.4	0.3	1.3	214010	1834	3539	219383	97.6	0.8	1.6
3628	1037	1.58	1.46	1.48	84.3	285748	3501	3763	293011	97.5	1.2	1.3	279033	7631	5357	292021	95.6	2.6	1.8
3810	1154	1.14	1.92	1.91	99.2	254164	3122	4397	261683	97.1	1.2	1.7	241679	7368	7290	256337	94.3	2.9	2.8
3257	1207	2.44	2.15	2.23	71.5	297155	3195	3930	304280	97.7	1.0	1.3	334927	8819	7267	351012	95.4	2.5	2.1
						ALEXANDRIA, CITY OF													
4770	1050	0.24	0.0	0.24	0.0	0	337	5008	5345	0.0	6.3	93.7	0	607	1162	1769	0.0	34.3	65.7
4930	1047	1.24	0.0	1.24	0.0	0	0	5162	5162	0.0	0.0	100.0	0	0	6136	6136	0.0	0.0	100.0
5284	1000	1.36	1.54	1.39	16.8	0	0	5284	5284	0.0	0.0	100.0	0	0	7336	7336	0.0	0.0	100.0
5362	1039	1.70	0.0	1.70	0.0	0	0	5570	5570	0.0	0.0	100.0	0	0	9116	9116	0.0	0.0	100.0
						AMES, CITY OF													
1656	993	0.50	0.0	0.50	0.0	1101	43	1645	2789	39.5	1.5	59.0	843	89	828	1760	47.9	5.1	47.1
1364	1000	0.66	0.0	0.66	0.0	2231	45	1364	3640	61.3	1.2	37.5	2228	103	904	3235	68.9	3.2	28.0
613	1000	0.91	0.0	0.91	0.0	1603	36	613	2251	71.2	1.6	27.2	1647	88	556	2291	71.9	3.8	24.3
64	1000	1.27	0.0	1.27	0.0	2060	56	64	2180	94.5	2.5	3.0	2298	147	82	2527	90.9	5.8	3.2
						APPALACHIAN POWER (AEP)													
0	0	0.0	0.0	0.0	0.0	252309	0	0	252309	100.0	0.0	0.0	299480	0	0	299480	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	232705	0	0	232705	100.0	0.0	0.0	225897	0	0	225897	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	233541	0	0	233541	100.0	0.0	0.0	238463	0	0	238463	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	236302	0	0	236302	100.0	0.0	0.0	284381	0	0	284381	100.0	0.0	0.0
						ARIZONA ELECTRIC POWER COOP INC													
2964	1075	0.63	0.56	0.57	78.0	0	2082	3187	5269	0.0	39.5	60.5	0	4419	1700	6119	0.0	72.2	27.8
2342	1071	0.77	0.0	0.77	0.0	0	1086	2508	3593	0.0	30.2	69.8	0	2471	1806	4277	0.0	57.8	42.2
3302	1068	0.87	0.0	0.87	0.0	0	190	3526	3716	0.0	5.1	94.9	0	471	2882	3353	0.0	14.1	85.9
3647	1063	1.13	0.0	1.13	0.0	0	258	3877	4135	0.0	6.2	93.8	0	700	4123	4823	0.0	14.5	85.5
						ARIZONA PUBLIC SERVICE													
10819	1074	0.57	0.57	0.57	16.8	132332	14009	11624	157965	83.8	8.9	7.4	25878	23379	6147	55404	46.7	42.2	11.1
7657	1070	0.80	0.66	0.79	2.7	111771	11907	8189	131867	84.8	9.0	6.2	26940	28341	6072	61352	43.9	46.2	9.9
10194	1068	0.87	0.0	0.87	0.0	127636	10492	10892	149019	85.7	7.0	7.3	35525	26302	8892	70719	50.2	37.2	12.6
10991	1062	1.14	0.0	1.14	0.0	140938	15429	11672	168039	83.9	9.2	6.9	44784	38168	12577	95529	46.9	40.0	13.2
						ARKANSAS ELECTRIC COOP													
1970	1017	0.45	0.0	0.45	0.0	0	3019	2003	5022	0.0	60.1	39.9	0	5158	879	6037	0.0	85.4	14.6
1112	1013	0.68	0.0	0.68	0.0	0	3723	1127	4850	0.0	76.8	23.2	0	6189	757	6946	0.0	89.1	10.9
661	1011	0.83	0.0	0.83	0.0	0	11325	669	11994	0.0	94.4	5.6	0	18599	549	19148	0.0	97.1	2.9
75	1022	1.19	0.0	1.19	0.0	0	13367	76	13443	0.0	99.4	0.6	0	25280	89	25368	0.0	99.7	0.3
						ARKANSAS-MISSOURI POWER													
1319	994	0.44	0.0	0.44	0.0	0	93	1311	1404	0.0	6.6	93.4	0	185	581	766	0.0	24.2	75.8
0	0	0.0	0.0	0.0	0.0	0	327	0	327	0.0	100.0	0.0	0	732	0	732	0.0	100.0	0.0
294	1027	0.77	0.0	0.77	0.0	0	227	302	529	0.0	42.9	57.1	0	536	226	762	0.0	70.4	29.6
0	0	0.0	0.0	0.0	0.0	0	1584	0	1584	0.0	100.0	0.0	0	3768	0	3768	0.0	100.0	0.0
						ARKANSAS POWER & LIGHT (MSU)													
37373	1010	0.40	0.0	0.40	0.0	0	39837	37760	77596	0.0	51.3	48.7	0	65843	15087	80930	0.0	81.4	18.6
31014	1011	0.62	0.0	0.62	0.0	0	23122	31358	54481	0.0	42.4	57.6	0	43986	19092	63078	0.0	69.7	30.3
14683	1013	0.80	0.0	0.80	0.0	0	42336	14878	57213	0.0	74.0	26.0	0	85409	11744	97153	0.0	87.9	12.1
6674	1052	1.02	0.0	1.02	0.0	0	73269	7019	80288	0.0	91.3	8.7	0	150708	6779	157487	0.0	95.7	4.3
						ASSOCIATED ELEC COOP-MISSOURI													
0	0	0.0	0.0	0.0	0.0	48884	0	0	48884	100.0	0.0	0.0	19244	0	0	19244	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	51781	0	0	51781	100.0	0.0	0.0	27100	0	0	27100	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	63445	0	0	63445	100.0	0.0	0.0	37324	0	0	37324	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	82546	0	0	82546	100.0	0.0	0.0	58843	0	0	58843	100.0	0.0	0.0
						ATLANTIC CITY ELECTRIC													
0	0	0.0	0.0	0.0	0.0	15526	3696	0	19222	80.8	19.2	0.0	22473	9451	0	31923	70.4	29.6	0.0
0	0	0.0	0.0	0.0	0.0	18223	7605	0	25828	70.6	29.4	0.0	23949	17561	0	41509	57.7	42.3	0.0
0	0	0.0	0.0	0.0	0.0	16651	9101	0	25752	64.7	35.3	0.0	20625	18724	0	39349	52.4	47.6	0.0
0	0	0.0	0.0	0.0	0.0	19681	12124	0	31805	61.9	38.1	0.0	23486	28491	0	51977	45.2	54.8	0.0
						AUSTIN UTILITIES													
2399	1000	0.46	0.61	0.47	2.8	544	251	2399	3195	17.0	7.9	75.1	468	518	1118	2103	22.2	24.6	53.2
1951	1000	0.61	0.77	0.61	3.3	1214	385	1951	3550	34.2	10.8	55.0	1510	811	1197	3519	42.9	23.1	34.0
1356	999	0.83	1.00	0.84	5.6	1270	466	1355	3091	41.1	15.1	43.8	1629	875	1142	3647	44.7	24.0	31.3
666	992	1.09	1.26	1.12	15.9	1484	665	661	2810	52.8	23.7	23.5	1975	1387	745	4107	48.1	33.8	18.1

	COAL								RESIDUAL OIL #6								FUEL OIL # 2			
	QUAN. DELIV.		AVERAGE CONTENT			AVERAGE PRICE IN $ PER TON			QUAN. DELIV.		AV. CONTENT		AVERAGE PRICE IN $ PER BBL			QUAN	% OF	BTU	AV.
YEAR	1000 TONS	% ON CONTR	BTU/ LB	SULF WT %	ASH WT %	SPOT	CONTR	TOTAL	1000 BBLS	% ON CONTR	BTU/ GAL	SULF WT %	SPOT	CONTR	TOTAL	1000 BBLS	TOTAL #2+#6	CONT/ GAL	PRICE $/BBL
BALTIMORE GAS & ELECTRIC																			
1974	647	100.0	12707	0.85	10.6	0.0	26.84	26.84	14938	100.0	146294	0.90	0.0	12.40	12.40	425*	2.8	138393	12.01
1975	665	98.6	12707	0.88	10.2	40.68	45.14	45.08	8944	100.0	145463	0.80	0.0	12.25	12.25	289*	3.1	138121	12.66
1976	353	90.4	13092	0.87	8.9	39.05	48.71	47.78	8728	100.0	145917	0.88	0.0	11.73	11.73	207*	2.3	137623	13.48
1977	594	100.0	13208	0.86	8.3	0.0	49.80	49.80	8405	100.0	145693	0.94	0.0	13.69	13.69	297*	3.4	137090	15.34
BANGOR HYDRO																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	360	0.0	148105	2.09	11.30	0.0	11.30	0	0.0	0	0.0
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	240	0.0	147914	2.22	12.10	0.0	12.10	0	0.0	0	0.0
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	235	0.0	149870	2.29	11.43	0.0	11.43	0	0.0	0	0.0
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	7	0.0	149124	2.12	12.71	0.0	12.71	0	0.0	0	0.0
BASIN ELECTRIC POWER COOP																			
1974	1880	81.5	6603	0.67	11.7	3.32	2.23	2.43	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	2098	99.4	6489	0.54	13.7	3.92	3.46	3.46	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	3988	100.0	6574	0.52	13.8	0.0	4.03	4.03	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	3669	100.0	6625	0.51	13.4	0.0	5.63	5.63	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
BIG RIVERS RURAL ELEC COOP																			
1974	3033	78.7	10664	3.50	14.5	16.07	8.40	10.03	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	2658	91.0	10560	3.52	14.7	17.44	9.70	10.39	0	0.0	0	0.0	0.0	0.0	0.0	16	100.0	136000	13.23
1976	2577	75.1	10622	3.52	14.4	15.57	10.67	11.89	0	0.0	0	0.0	0.0	0.0	0.0	149	100.0	136000	13.95
1977	2988*	72.1	11035	2.67	12.3	19.34	15.14	16.31	0	0.0	0	0.0	0.0	0.0	0.0	206*	100.0	112795	15.64
BLACK HILLS POWER & LIGHT																			
1974	439	100.0	7858	0.37	6.7	0.0	4.31	4.31	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	617	100.0	7963	0.42	6.1	0.0	4.08	4.08	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	576	100.0	8090	0.43	6.1	0.0	4.95	4.95	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	594	100.0	8053	0.43	5.6	0.0	5.92	5.92	0	0.0	0	0.0	0.0	0.0	0.0	56	100.0	135000	16.91
BLACKSTONE VALLEY ELEC																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	5	100.0	141558	12.60
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	2	100.0	141558	11.91
BOSTON EDISON																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	13597	91.7	145085	0.60	11.54	12.13	12.09	14	0.1	137574	11.69
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	13176	86.7	145141	0.52	11.40	12.45	12.31	112	0.8	137058	12.18
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	14935	95.3	145664	0.89	10.99	11.59	11.56	72	0.5	137530	13.58
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	14984	96.0	146469	1.01	11.65	13.51	13.43	90	0.6	136537	15.37
BRAZOS ELECTRIC POWER COOP																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	1*	0.0	144804	1.20	10.65	0.0	10.65	0	0.0	0	0.0
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
BROWNSVILLE PUB UTILS BD																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	84	100.0	140000	11.63
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	3	100.0	140000	12.64
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	11	100.0	140000	15.53
BURBANK PUBLIC SERVICE DEPT																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	571	11.6	147646	0.47	12.17	8.80	11.78	3*	0.5	134145	15.96
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	685	18.2	148021	0.38	13.93	14.72	14.08	5*	0.7	134202	15.01
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	559	96.1	146651	0.42	15.04	13.42	13.48	8*	1.4	135230	13.92
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	993	100.0	146556	0.38	0.0	15.70	15.70	4*	0.4	136522	15.23
BURLINGTON ELECTRIC DEPARTMENT																			
1974	39	0.0	12893	0.89	10.0	38.77	0.0	38.77	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	8	0.0	12872	0.99	8.6	52.75	0.0	52.75	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	20	0.0	12854	1.53	11.3	35.39	0.0	35.39	0	0.0	0	0.0	0.0	0.0	0.0	35	100.0	137314	16.18
CAJUN ELEC PWR COOP																			
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	210	100.0	137735	15.14
CAMBRIDGE ELEC LT CO (NEGA)																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	581	100.0	145446	0.40	0.0	11.57	11.57	2*	0.3	133468	13.11
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	687	100.0	145059	0.44	0.0	12.74	12.74	19*	2.7	133468	13.21
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	494	100.0	144759	0.43	0.0	12.16	12.16	13*	2.6	133468	14.63
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	359	100.0	145926	0.42	0.0	14.41	14.41	7*	1.9	133468	16.12

NATURAL GAS						TOTAL QUANTITY DELIVERED							TOTAL DELIVERED FUEL COST						
AMOUNT IN 1000 MCF	BTU CONT/ CU FT	AVERAGE PRICE IN $ PER MCF FIRM	IRPT	TOTL	% FIRM/ TOTAL	IN BILLION BTUS COAL	OIL	GAS	TOTAL	% OF TOTAL BTUS COAL	OIL	GAS	IN $1000 COAL	OIL	GAS	TOTAL	% OF FUEL COST COAL	OIL	GAS
BALTIMORE GAS & ELECTRIC																			
108	1010	0.69	0.0	0.69	0.0	16443	94255	109	110807	14.8	85.1	0.1	17364	190358	74	207796	8.4	91.6	0.0
11	1014	1.36	0.0	1.36	0.0	16900	56319	11	73231	23.1	76.9	0.0	29977	113220	15	143212	20.9	79.1	0.0
9	1010	0.99	0.0	0.99	0.0	9243	54686	9	63938	14.5	85.5	0.0	16867	105194	9	122070	13.8	86.2	0.0
47	1017	2.09	0.0	2.09	0.0	15691	53141	48	68880	22.8	77.2	0.1	29579	119646	98	149323	19.8	80.1	0.1
BANGOR HYDRO																			
0	0	0.0	0.0	0.0	0.0	0	2237	0	2237	0.0	100.0	0.0	0	4064	0	4064	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	1489	0	1489	0.0	100.0	0.0	0	2901	0	2901	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	1478	0	1478	0.0	100.0	0.0	0	2685	0	2685	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	44	0	44	0.0	100.0	0.0	0	88	0	88	0.0	100.0	0.0
BASIN ELECTRIC POWER COOP																			
0	0	0.0	0.0	0.0	0.0	24829	0	0	24829	100.0	0.0	0.0	4575	0	0	4575	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	27223	0	0	27223	100.0	0.0	0.0	7268	0	0	7268	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	52439	0	0	52439	100.0	0.0	0.0	16057	0	0	16057	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	48609	0	0	48609	100.0	0.0	0.0	20666	0	0	20666	100.0	0.0	0.0
BIG RIVERS RURAL ELEC COOP																			
0	0	0.0	0.0	0.0	0.0	64684	0	0	64684	100.0	0.0	0.0	30430	0	0	30430	100.0	0.0	0.0
308	1000	0.83	0.0	0.83	0.0	56139	91	308	56538	99.3	0.2	0.5	27616	212	257	28085	98.3	0.8	0.9
132	1000	0.94	0.88	0.94	3.6	54738	849	132	55719	98.2	1.5	0.2	30630	2072	124	32826	93.3	6.3	0.4
50	1000	1.34	1.36	1.35	13.5	65951	975	50	66975	98.5	1.5	0.1	48733	3219	68	52019	93.7	6.2	0.1
BLACK HILLS POWER & LIGHT																			
0	0	0.0	0.0	0.0	0.0	6904	0	0	6904	100.0	0.0	0.0	1894	0	0	1894	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	9833	0	0	9833	100.0	0.0	0.0	2517	0	0	2517	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	9315	0	0	9315	100.0	0.0	0.0	2847	0	0	2847	100.0	0.0	0.0
4	947	0.0	1.11	1.11	100.0	9573	318	4	9895	96.7	3.2	0.0	3521	948	4	4473	78.7	21.2	0.1
BLACKSTONE VALLEY ELEC																			
21	1042	0.92	0.0	0.92	0.0	0	30	22	52	0.0	58.0	42.0	0	64	19	84	0.0	76.8	23.2
15	1042	1.20	0.0	1.20	0.0	0	10	15	25	0.0	39.5	60.5	0	20	18	37	0.0	53.1	46.9
BOSTON EDISON																			
0	0	0.0	0.0	0.0	0.0	0	82933	0	82933	0.0	100.0	0.0	0	164490	0	164490	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	80967	0	80967	0.0	100.0	0.0	0	163529	0	163529	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	91789	0	91789	0.0	100.0	0.0	0	173660	0	173660	0.0	100.0	0.0
15	1000	1.95	0.0	1.95	0.0	0	92692	15	92707	0.0	100.0	0.0	0	202682	29	202710	0.0	100.0	0.0
BRAZOS ELECTRIC POWER COOP																			
13432	1020	0.0	0.75	0.75	100.0	0	9	13705	13714	0.0	0.1	99.9	0	16	10137	10153	0.0	0.2	99.8
14498	1010	0.0	1.47	1.47	100.0	0	0	14645	14645	0.0	0.0	100.0	0	0	21258	21258	0.0	0.0	100.0
15184	1002	0.0	1.78	1.78	100.0	0	0	15216	15216	0.0	0.0	100.0	0	0	27007	27007	0.0	0.0	100.0
16835	1001	0.0	1.87	1.87	100.0	0	0	16853	16853	0.0	0.0	100.0	0	0	31459	31459	0.0	0.0	100.0
BROWNSVILLE PUB UTILS BD																			
5182	1000	0.95	0.80	0.83	85.4	0	497	5183	5680	0.0	8.7	91.3	0	983	4278	5262	0.0	18.7	81.3
5562	1000	1.51	0.0	1.51	0.0	0	15	5562	5576	0.0	0.3	99.7	0	32	8426	8458	0.0	0.4	99.6
5073	1000	1.87	0.0	1.87	0.0	0	0	5073	5073	0.0	0.0	100.0	0	0	9501	9501	0.0	0.0	100.0
4190	1000	2.04	0.0	2.04	0.0	0	64	4190	4254	0.0	1.5	98.5	0	169	8545	8714	0.0	1.9	98.1
BURBANK PUBLIC SERVICE DEPT																			
1691	1056	0.57	0.0	0.57	0.0	0	3558	1786	5344	0.0	66.6	33.4	0	6773	958	7731	0.0	87.6	12.4
1141	1061	0.82	0.0	0.82	0.0	0	4286	1211	5497	0.0	78.0	22.0	0	9716	939	10655	0.0	91.2	8.8
663	1061	1.27	0.0	1.27	0.0	0	3489	703	4192	0.0	83.2	16.8	0	7649	843	8492	0.0	90.1	9.9
1272	1066	1.91	0.0	1.91	0.0	0	6136	1357	7492	0.0	81.9	18.1	0	15656	2430	18086	0.0	86.6	13.4
BURLINGTON ELECTRIC DEPARTMENT																			
1267	1000	0.51	0.0	0.51	0.0	1011	0	1267	2278	44.4	0.0	55.6	1520	0	640	2160	70.4	0.0	29.6
555	1000	1.17	0.0	1.17	0.0	217	0	555	772	28.1	0.0	71.9	444	0	651	1095	40.6	0.0	59.4
64	1000	1.76	0.0	1.76	0.0	0	0	64	64	0.0	0.0	100.0	0	0	112	112	0.0	0.0	100.0
440	1000	2.01	2.00	2.01	13.3	513	201	440	1153	44.5	17.4	38.1	706	563	883	2152	32.8	26.2	41.0
CAJUN ELEC PWR COOP																			
10608	1044	0.0	0.30	0.30	100.0	0	1214	11079	12292	0.0	9.9	90.1	0	3176	3235	6411	0.0	49.5	50.5
CAMBRIDGE ELEC LT CO (NEGA)																			
2482	1000	1.73	0.0	1.73	0.0	0	3560	2482	6042	0.0	58.9	41.1	0	6749	4291	11039	0.0	61.1	38.9
0	0	0.0	0.0	0.0	0.0	0	4292	0	4292	0.0	100.0	0.0	0	9002	0	9002	0.0	100.0	0.0
1268	1000	1.56	0.0	1.56	0.0	0	3076	1268	4344	0.0	70.8	29.2	0	6199	1982	8180	0.0	75.8	24.2
1982	1000	1.88	0.0	1.88	0.0	0	2240	1982	4222	0.0	53.0	47.0	0	5287	3718	9005	0.0	58.7	41.3

YEAR	COAL QUAN. DELIV. 1000 TONS	COAL % ON CONTR	COAL AVERAGE CONTENT BTU/ LB	COAL SULF WT %	COAL ASH WT %	COAL AVERAGE PRICE IN $ PER TON SPOT	COAL CONTR	COAL TOTAL	RESIDUAL OIL #6 QUAN. DELIV. 1000 BBLS	RESIDUAL OIL #6 % ON CONTR	RESIDUAL OIL #6 AV. CONTENT BTU/ GAL	RESIDUAL OIL #6 SULF WT %	RESIDUAL OIL #6 AVERAGE PRICE IN $ PER BBL SPOT	RESIDUAL OIL #6 CONTR	RESIDUAL OIL #6 TOTAL	FUEL OIL # 2 QUAN 1000 BBLS	FUEL OIL # 2 % OF TOTAL #2+#6	FUEL OIL # 2 BTU CONT/ GAL	FUEL OIL # 2 AV. PRICE $/BBL
CARDINAL OPERATING CO (AEP)																			
1974	2004	46.9	11106	3.14	17.0	17.91	16.86	17.42	138	100.0	148780	1.90	0.0	5.96	5.96	0	0.0	0	0.0
1975	2110	55.8	10938	2.61	17.6	16.87	19.11	18.12	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	2510	74.9	11239	2.55	16.3	15.82	22.32	20.69	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	3205	85.7	11241	2.08	15.2	17.35	23.05	22.23	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
CAROLINA POWER & LIGHT																			
1974	7538	35.9	11859	1.21	14.6	39.47	14.84	30.63	3534	100.0	147903	2.10	0.0	11.00	11.00	383	9.8	138158	14.50
1975	7461	63.8	12152	1.03	12.4	22.67	26.07	24.84	29	100.0	147460	2.10	0.0	10.99	10.99	246	89.5	137830	14.61
1976	7064	81.4	12209	0.93	12.0	20.26	26.19	25.09	0	0.0	0	0.0	0.0	0.0	0.0	295	100.0	138556	14.27
1977	7749	59.6	11957	0.96	13.0	30.42	26.99	28.37	0	0.0	0	0.0	0.0	0.0	0.0	1442	100.0	139001	15.81
CEDAR FALLS UTILITIES																			
1974	70	84.1	11787	1.80	7.6	15.58	19.08	18.53	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	49	97.5	12382	1.85	8.5	31.21	26.24	26.37	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	51	100.0	11996	1.83	8.2	0.0	28.89	28.89	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	64	100.0	11808	2.15	7.5	0.0	28.64	28.64	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
CENTRAL HUDSON GAS & ELEC																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	5904	100.0	147901	2.05	0.0	10.16	10.16	0	0.0	0	0.0
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	11422	100.0	146717	2.03	0.0	10.47	10.47	0	0.0	0	0.0
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	11782	100.0	147703	1.81	0.0	10.46	10.46	0	0.0	0	0.0
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	12629	100.0	146813	1.62	0.0	12.80	12.80	0	0.0	0	0.0
CENTRAL ELEC PWR COOP-MISSOURI																			
1974	131	100.0	11200	3.00	10.0	0.0	15.03	15.03	0	0.0	0	0.0	0.0	0.0	0.0	0*	0.0	0	0.0
1975	69	91.3	11085	3.17	10.7	24.94	24.27	24.33	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	55	0.0	10699	3.89	13.7	21.84	0.0	21.84	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	81	0.0	10904	3.26	11.2	23.50	0.0	23.50	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
CENTRAL ILLINOIS PUBLIC SERVICE																			
1974	3093	81.4	10372	3.44	13.5	12.91	9.70	10.30	0	0.0	0	0.0	0.0	0.0	0.0	170	100.0	137913	10.68
1975	3904	77.8	10192	3.45	14.7	20.99	13.80	15.39	0	0.0	0	0.0	0.0	0.0	0.0	122	100.0	137438	11.56
1976	3873	76.5	10186	3.33	14.8	20.06	15.82	16.82	397	100.0	151094	0.47	0.0	11.75	11.75	88	18.2	137319	13.69
1977	3869	72.6	10213	3.19	14.5	22.29	18.20	19.32	364	100.0	151346	0.57	0.0	12.70	12.70	141	27.9	137001	15.92
CENTRAL ILLINOIS LIGHT																			
1974	2233	78.2	10335	2.37	11.2	16.03	11.74	12.68	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	2248	93.6	9504	1.65	10.7	16.94	16.99	16.99	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	2747	87.9	9748	1.78	10.0	24.65	18.44	19.19	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	2435	51.4	10552	1.28	9.4	35.98	20.17	27.84	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
CENTRAL LOUISIANA ELECTRIC																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	4*	0.0	138922	0.20	9.51	0.0	9.51	186	98.0	135452	12.49
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	271*	0.0	147229	0.39	9.14	0.0	9.14	0	0.0	0	0.0
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	561*	0.0	146617	0.41	12.61	0.0	12.61	12	2.1	132846	14.46
CENTRAL MAINE POWER																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	3633	0.0	148613	2.16	9.97	0.0	9.97	3	0.1	140000	13.76
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	2505	0.0	148421	2.11	10.97	0.0	10.97	5	0.2	140000	14.58
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	1588	0.0	148173	2.02	10.89	0.0	10.89	8	0.5	140000	14.98
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	1258	28.5	148520	2.24	12.74	12.89	12.79	6*	0.5	131556	16.78
CENTRAL OPERATING CO (AEP)																			
1974	2475	68.0	11260	1.39	16.7	22.79	19.36	20.46	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	1374	88.4	11282	1.21	15.8	24.13	25.43	25.28	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	2310	96.1	11518	0.95	13.8	21.17	23.48	23.39	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	1944	65.9	11224	0.93	15.2	27.59	26.93	27.15	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
CENTRAL POWER & LIGHT (CSW)																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	227*	50.3	140000	0.60	11.19	7.30	9.24	0	0.0	0	0.0
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	3*	0.0	140000	0.60	11.77	0.0	11.77	0	0.0	0	0.0
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	74*	0.0	140291	0.15	8.41	0.0	8.41	0	0.0	0	0.0
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	167*	2.2	140000	0.22	9.68	9.82	9.68	12	6.8	140000	8.47
CENTRAL TELE AND UTIL CORP																			
1974	99	100.0	10504	0.70	16.9	0.0	10.38	10.38	168*	100.0	146347	0.71	0.0	12.32	12.32	33	16.5	138491	11.77
1975	97	100.0	10445	0.70	16.9	0.0	15.66	15.66	626*	100.0	147991	0.74	0.0	11.52	11.52	150	19.4	137748	11.93
1976	110	100.0	10154	0.70	16.9	0.0	14.41	14.41	576*	100.0	145198	0.71	0.0	11.75	11.75	90	13.6	136859	13.83
1977	124	100.0	10223	0.70	16.9	0.0	13.67	13.67	595*	100.0	146118	0.59	0.0	13.94	13.94	50	7.8	138010	15.23
CENTRAL VT PUB SERV CORP																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	2	100.0	140889	13.48
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	8	100.0	140335	12.73
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	3	100.0	140335	13.39

NATURAL GAS AMOUNT IN 1000 MCF	BTU CONT/ CU FT	AVERAGE PRICE IN $ PER MCF FIRM	IRPT	TOIL	% FIRM/ TOTAL	TOTAL QUANTITY DELIVERED IN BILLION BTUS COAL	OIL	GAS	TOTAL	% OF TOTAL BTUS COAL	OIL	GAS	TOTAL FUEL COST IN $1000 COAL	OIL	GAS	TOTAL	% OF FUEL COST COAL	OIL	GAS
									CARDINAL OPERATING CO (AEP)										
0	0	0.0	0.0	0.0	0.0	44519	862	0	45381	98.1	1.9	0.0	34903	822	0	35725	97.7	2.3	0.0
0	0	0.0	0.0	0.0	0.0	46160	0	0	46160	100.0	0.0	0.0	38232	0	0	38232	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	56413	0	0	56413	100.0	0.0	0.0	51913	0	0	51913	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	72056	0	0	72056	100.0	0.0	0.0	71259	0	0	71259	100.0	0.0	0.0
									CAROLINA POWER & LIGHT										
2690	1030	0.71	0.0	0.71	0.0	178787	24177	2770	205735	86.9	11.8	1.3	230918	44418	1915	277251	83.3	16.0	0.7
2058	1028	0.73	0.0	0.73	0.0	181335	1603	2116	185054	98.0	0.9	1.1	185306	3912	1506	190724	97.2	2.1	0.8
197	1028	1.04	0.0	1.04	0.0	172481	1714	203	174398	98.9	1.0	0.1	177198	4203	205	181606	97.6	2.3	0.1
0	0	0.0	0.0	0.0	0.0	185324	8418	0	193743	95.7	4.3	0.0	219877	22802	0	242678	90.6	9.4	0.0
									CEDAR FALLS UTILITIES										
1222	1000	0.56	0.72	0.57	1.8	1646	0	1222	2868	57.4	0.0	42.6	1294	0	693	1987	65.1	0.0	34.9
1139	999	0.70	1.04	0.71	0.2	1220	0	1137	2357	51.8	0.0	48.2	1299	0	803	2102	61.8	0.0	38.2
739	1000	0.91	0.0	0.91	0.0	1225	0	739	1964	62.4	0.0	37.6	1475	0	674	2149	68.6	0.0	31.4
334	1000	1.36	1.21	1.21	99.6	1514	0	334	1848	81.9	0.0	18.1	1836	0	404	2241	81.9	0.0	18.1
									CENTRAL HUDSON GAS & ELEC										
0	0	0.0	0.0	0.0	0.0	0	36675	0	36675	0.0	100.0	0.0	0	60005	0	60005	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	70383	0	70383	0.0	100.0	0.0	0	119622	0	119622	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	73090	0	73090	0.0	100.0	0.0	0	123202	0	123202	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	77872	0	77872	0.0	100.0	0.0	0	161640	0	161640	0.0	100.0	0.0
									CENTRAL ELEC PWR COOP-MISSOURI										
0	0	0.0	0.0	0.0	0.0	2934	0	0	2934	100.0	0.0	0.0	1969	0	0	1969	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	1530	0	0	1530	100.0	0.0	0.0	1678	0	0	1678	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	1177	0	0	1177	100.0	0.0	0.0	1201	0	0	1201	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	1766	0	0	1766	100.0	0.0	0.0	1903	0	0	1903	100.0	0.0	0.0
									CENTRAL ILLINOIS PUBLIC SERVICE										
0	0	0.0	0.0	0.0	0.0	64158	988	0	65146	98.5	1.5	0.0	31852	1821	0	33673	94.6	5.4	0.0
0	0	0.0	0.0	0.0	0.0	79586	704	0	80290	99.1	0.9	0.0	60097	1410	0	61507	97.7	2.3	0.0
0	0	0.0	0.0	0.0	0.0	78898	3031	0	81929	96.3	3.7	0.0	65134	5878	0	71012	91.7	8.3	0.0
0	0	0.0	0.0	0.0	0.0	79032	3128	0	82160	96.2	3.8	0.0	74742	6874	0	81616	91.6	8.4	0.0
									CENTRAL ILLINOIS LIGHT										
3383	992	0.0	0.53	0.53	100.0	46154	0	3357	49510	93.2	0.0	6.8	28305	0	1787	30092	94.1	0.0	5.9
2875	991	0.0	0.63	0.63	100.0	42729	0	2850	45579	93.7	0.0	6.3	38185	0	1824	40009	95.4	0.0	4.6
1378	980	0.0	0.84	0.84	100.0	53551	0	1350	54902	97.5	0.0	2.5	52717	0	1163	53880	97.8	0.0	2.2
465	995	0.0	1.10	1.10	100.0	51377	0	463	51840	99.1	0.0	0.9	67789	0	510	68299	99.3	0.0	0.7
									CENTRAL LOUISIANA ELECTRIC										
31870	1085	0.74	0.93	0.76	9.7	0	1081	34569	35650	0.0	3.0	97.0	0	2360	24215	26575	0.0	8.9	91.1
37143	1082	1.08	1.31	1.10	10.9	0	1676	40202	41877	0.0	4.0	96.0	0	2477	41032	43509	0.0	5.7	94.3
40911	1063	1.35	1.43	1.35	7.7	0	0	43480	43480	0.0	0.0	100.0	0	0	55426	55426	0.0	0.0	100.0
49046	1070	1.68	1.70	1.68	5.7	0	3519	52476	55994	0.0	6.3	93.7	0	7241	82609	89850	0.0	8.1	91.9
									CENTRAL MAINE POWER										
0	0	0.0	0.0	0.0	0.0	0	22693	0	22693	0.0	100.0	0.0	0	36252	0	36252	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	15645	0	15645	0.0	100.0	0.0	0	27543	0	27543	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	9930	0	9930	0.0	100.0	0.0	0	17412	0	17412	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	7881	0	7881	0.0	100.0	0.0	0	16186	0	16186	0.0	100.0	0.0
									CENTRAL OPERATING CO (AEP)										
0	0	0.0	0.0	0.0	0.0	55729	0	0	55729	100.0	0.0	0.0	50621	0	0	50621	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	30994	0	0	30994	100.0	0.0	0.0	34718	0	0	34718	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	53219	0	0	53219	100.0	0.0	0.0	54036	0	0	54036	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	43636	0	0	43636	100.0	0.0	0.0	52783	0	0	52783	100.0	0.0	0.0
									CENTRAL POWER & LIGHT (CSW)										
97533	1040	0.0	0.86	0.86	100.0	0	1336	101427	102763	0.0	1.3	98.7	0	2099	83830	85928	0.0	2.4	97.6
87058	1030	0.0	1.48	1.48	100.0	0	20	89670	89690	0.0	0.0	100.0	0	40	129210	129250	0.0	0.0	100.0
94826	1034	0.0	1.89	1.89	100.0	0	435	98055	98490	0.0	0.4	99.6	0	622	179152	179774	0.0	0.3	99.7
114259	1049	0.0	2.05	2.05	100.0	0	1054	119822	120876	0.0	0.9	99.1	0	1720	234235	235955	0.0	0.7	99.3
									CENTRAL TELE AND UTIL CORP										
20098	958	0.33	0.38	0.35	36.2	2086	1224	19251	22562	9.2	5.4	85.3	1031	2457	6980	10468	9.8	23.5	66.7
18376	958	0.44	0.50	0.46	35.4	2027	4763	17595	24385	8.3	19.5	72.2	1519	9009	8445	18973	8.0	47.5	44.5
19127	951	0.74	0.75	0.75	35.2	2244	4031	18186	24460	9.2	16.5	74.3	1593	8018	14258	23868	6.7	33.6	59.7
19165	942	0.97	1.10	1.01	31.8	2528	3944	18053	24524	10.3	16.1	73.6	1691	9061	19345	30097	5.6	30.1	64.3
									CENTRAL VT PUB SERV CORP										
0	0	0.0	0.0	0.0	0.0	0	9	0	9	0.0	100.0	0.0	0	21	0	21	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	48	0	48	0.0	100.0	0.0	0	103	0	103	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	18	0	18	0.0	100.0	0.0	0	42	0	42	0.0	100.0	0.0

YEAR	COAL QUAN. DELIV. 1000 TONS	COAL QUAN. DELIV. % ON CONTR	COAL AVERAGE CONTENT BTU/LB	COAL AVERAGE CONTENT SULF WT %	COAL AVERAGE CONTENT ASH WT %	COAL AVERAGE PRICE IN $ PER TON SPOT	COAL AVERAGE PRICE IN $ PER TON CONTR	COAL AVERAGE PRICE IN $ PER TON TOTAL	RESIDUAL OIL #6 QUAN. DELIV. 1000 BBLS	RESIDUAL OIL #6 QUAN. DELIV. % ON CONTR	RESIDUAL OIL #6 AV. CONTENT BTU/GAL	RESIDUAL OIL #6 AV. CONTENT SULF WT %	RESIDUAL OIL #6 AVERAGE PRICE IN $ PER BBL SPOT	RESIDUAL OIL #6 AVERAGE PRICE IN $ PER BBL CONTR	RESIDUAL OIL #6 AVERAGE PRICE IN $ PER BBL TOTAL	FUEL OIL # 2 QUAN 1000 BBLS	FUEL OIL # 2 % OF TOTAL #2+#6	FUEL OIL # 2 BTU CONT/GAL	FUEL OIL # 2 AV. PRICE $/BBL
CHUGACH ELECTRIC ASSOC																			
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
CITY OF AUSTIN ELECTRIC DEPT																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	389*	100.0	147500	1.00	0.0	10.56	10.56	163	29.5	136999	11.02
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	15*	0.0	147500	1.00	11.34	0.0	11.34	7	30.8	137000	12.32
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	2	100.0	137000	20.27
BRYAN MUNICIPAL ELECTRIC																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	11*	84.2	144000	0.20	9.68	7.83	8.12	17	59.8	141000	12.17
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	4*	100.0	141000	0.20	0.0	12.68	12.68	2	33.3	141000	11.34
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	4*	100.0	141000	0.20	0.0	12.43	12.43	0	0.0	0	0.0
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	22*	27.4	141000	0.23	13.44	11.87	13.01	7	24.8	141000	14.92
FARMINGTON ELECTRIC UTILITIES																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
CITY OF LAFAYETTE UTIL SYSTEM																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	63	100.0	136609	9.18
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	100.0	134000	4.00
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	2	100.0	137250	5.76
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	43	100.0	134516	7.70
CITY OF INDEPENDENCE PWR & LT																			
1974	36	36.9	10585	0.64	10.8	17.70	19.24	18.27	0	0.0	0	0.0	0.0	0.0	0.0	31	100.0	139439	12.22
1975	194	30.1	11318	2.45	12.3	23.99	18.98	22.49	0	0.0	0	0.0	0.0	0.0	0.0	84	100.0	138100	11.65
1976	57	0.0	11672	2.58	12.9	24.15	0.0	24.15	0	0.0	0	0.0	0.0	0.0	0.0	79	100.0	138500	13.62
1977	157	0.0	11903	3.72	13.1	24.31	0.0	24.31	0	0.0	0	0.0	0.0	0.0	0.0	242	100.0	138263	15.71
CITY PUB SERV-SAN ANTONIO																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	1106*	0.0	144387	0.46	8.20	0.0	8.20	216	16.4	138443	8.26
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	382*	76.7	150263	0.44	11.83	12.07	12.01	0	0.0	0	0.0
1976	361	100.0	8150	0.37	6.6	0.0	18.42	18.42	724*	91.2	149029	0.50	12.22	11.59	11.65	0	0.0	0	0.0
1977	2289	100.0	8172	0.37	6.6	0.0	19.47	19.47	223*	100.0	149585	0.46	0.0	12.91	12.91	0	0.0	0	0.0
CITY UTILITIES OF SPRINGFIELD																			
1974	134	100.0	12514	3.11	14.2	0.0	18.26	18.26	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	179	100.0	12189	2.86	14.2	0.0	23.61	23.61	0	0.0	0	0.0	0.0	0.0	0.0	79*	100.0	92212	11.72
1976	440	92.6	12316	2.52	12.7	23.58	24.42	24.36	0	0.0	0	0.0	0.0	0.0	0.0	263*	100.0	100885	12.19
1977	527	78.8	11595	3.26	15.7	23.22	23.16	23.17	0	0.0	0	0.0	0.0	0.0	0.0	208*	100.0	121438	14.18
CLEVELAND, CITY OF																			
1974	137	100.0	11130	2.24	14.5	0.0	20.42	20.42	0	0.0	0	0.0	0.0	0.0	0.0	174	100.0	138000	12.37
1975	129	97.6	10436	3.49	18.1	24.18	24.83	24.82	0	0.0	0	0.0	0.0	0.0	0.0	212	100.0	137999	12.96
1976	111	94.4	11675	2.77	16.1	23.77	23.31	23.34	0	0.0	0	0.0	0.0	0.0	0.0	7	100.0	138000	14.14
1977	18	100.0	11551	2.64	15.4	0.0	22.60	22.60	0	0.0	0	0.0	0.0	0.0	0.0	31	100.0	138000	16.42
CLEVELAND ELECTRIC ILLUM CO																			
1974	8549	50.1	11473	2.88	14.5	29.40	16.86	23.12	1761	100.0	149860	1.28	0.0	14.51	14.51	247	12.3	137425	13.59
1975	7640	64.2	11623	3.26	13.9	26.43	23.09	24.28	516	100.0	150689	1.63	0.0	14.19	14.19	121	19.0	137605	13.51
1976	8101	61.3	11706	3.37	13.0	22.23	25.12	24.00	154	100.0	151209	1.60	0.0	13.26	13.26	134	46.5	137969	13.79
1977	8027	55.6	11631	3.36	13.5	24.25	28.00	26.34	1605	0.0	150018	1.33	15.14	0.0	15.14	276	14.7	138223	15.63
COFFEYVILLE MUNI LT & WTR DEPT																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	13*	68.3	148000	0.70	8.46	6.13	6.87	0	0.0	0	0.0
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	11*	0.0	148000	0.70	9.61	0.0	9.61	0	0.0	0	0.0
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	18*	0.0	148000	0.70	12.27	0.0	12.27	0	0.0	0	0.0
COLORADO SPRINGS DEPT PUB UTILS																			
1974	328	89.6	10473	0.74	10.8	6.61	9.49	9.19	8	0.0	149987	0.50	11.78	0.0	11.78	0	2.5	140300	14.22
1975	458	83.5	10106	0.65	10.8	9.40	15.86	14.80	54	0.0	148184	0.66	11.64	0.0	11.64	1	1.1	140300	13.60
1976	685	88.5	10347	0.58	9.4	14.67	16.08	15.92	9	0.0	145705	0.54	9.85	0.0	9.85	1	8.1	140300	14.04
1977	891	93.5	10458	0.51	9.9	20.23	17.75	17.92	0	0.0	0	0.0	0.0	0.0	0.0	0	100.0	140300	16.33
COLORADO-UTE ELECTRIC ASSN																			
1974	559	100.0	10800	0.46	10.8	0.0	5.06	5.06	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	747	100.0	10735	0.50	11.0	0.0	6.02	6.02	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	1031	100.0	10707	0.50	10.7	0.0	6.71	6.71	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	1161	100.0	10870	0.50	10.4	0.0	6.92	6.92	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0

NATURAL GAS						TOTAL QUANTITY DELIVERED							TOTAL DELIVERED FUEL COST						
AMOUNT IN 1000 MCF	BTU CONT/ CU FT	AVERAGE PRICE IN $ PER MCF FIRM	IRPT	TOTL	% FIRM/ TOTAL	IN BILLION BTUS COAL	OIL	GAS	TOTAL	% OF TOTAL BTUS COAL	OIL	GAS	IN $1000 COAL	OIL	GAS	TOTAL	% OF FUEL COST COAL	OIL	GAS
CHUGACH ELECTRIC ASSOC																			
8112	1006	0.0	0.34	0.34	100.0	0	0	8159	8159	0.0	0.0	100.0	0	0	2726	2726	0.0	0.0	100.0
CITY OF AUSTIN ELECTRIC DEPT																			
24852	985	1.36	0.77	0.85	87.2	0	3344	24480	27824	0.0	12.0	88.0	0	5900	21098	26998	0.0	21.9	78.1
28618	985	1.31	1.54	1.54	99.8	0	130	28188	28318	0.0	0.5	99.5	0	249	44111	44360	0.0	0.6	99.4
29454	1000	0.0	1.85	1.85	100.0	0	0	29458	29458	0.0	0.0	100.0	0	0	54562	54562	0.0	0.0	100.0
32288	1012	0.0	2.01	2.01	100.0	0	13	32664	32677	0.0	0.0	100.0	0	45	64945	64989	0.0	0.1	99.9
BRYAN MUNICIPAL ELECTRIC																			
5198	1023	0.43	1.26	0.45	2.5	0	169	5320	5489	0.0	3.1	96.9	0	299	2363	2662	0.0	11.2	88.8
6177	1020	0.79	1.58	0.93	17.5	0	32	6300	6332	0.0	0.5	99.5	0	66	5753	5819	0.0	1.1	98.9
6074	1017	1.23	1.81	1.27	8.5	0	21	6177	6198	0.0	0.3	99.7	0	44	7742	7785	0.0	0.6	99.4
6018	1011	1.56	2.45	1.65	9.5	0	169	6087	6256	0.0	2.7	97.3	0	386	9921	10306	0.0	3.7	96.3
FARMINGTON ELECTRIC UTILITIES																			
1511	1121	0.0	0.42	0.42	100.0	0	0	1693	1693	0.0	0.0	100.0	0	0	641	641	0.0	0.0	100.0
1371	1121	0.0	0.59	0.59	100.0	0	0	1536	1536	0.0	0.0	100.0	0	0	814	814	0.0	0.0	100.0
1233	1121	0.0	0.80	0.80	100.0	0	0	1382	1382	0.0	0.0	100.0	0	0	985	985	0.0	0.0	100.0
1233	1121	0.0	0.95	0.95	100.0	0	0	1382	1382	0.0	0.0	100.0	0	0	1174	1174	0.0	0.0	100.0
CITY OF LAFAYETTE UTIL SYSTEM																			
5916	1076	0.28	0.54	0.40	42.8	0	360	6368	6728	0.0	5.3	94.7	0	576	2339	2914	0.0	19.7	80.3
6703	1103	0.0	0.82	0.82	100.0	0	2	7396	7398	0.0	0.0	100.0	0	1	5506	5507	0.0	0.0	100.0
8206	1065	0.0	1.05	1.05	100.0	0	14	8739	8753	0.0	0.2	99.8	0	14	8622	8636	0.0	0.2	99.8
13787	1082	0.0	1.54	1.54	100.0	0	245	14912	15158	0.0	1.6	98.4	0	334	21274	21608	0.0	1.5	98.5
CITY OF INDEPENDENCE PWR & LT																			
4595	1006	0.39	0.0	0.39	0.0	757	180	4622	5559	13.6	3.2	83.2	653	376	1795	2824	23.1	13.3	63.6
3933	989	0.52	0.0	0.52	0.0	4390	486	3891	8767	50.1	5.5	44.4	4361	976	2050	7388	59.0	13.2	27.8
4086	996	0.70	0.0	0.70	0.0	1335	462	4071	5867	22.7	7.9	69.4	1381	1081	2865	5326	25.9	20.3	53.8
4685	988	1.05	0.0	1.05	0.0	3745	1403	4627	9774	38.3	14.4	47.3	3824	3795	4908	12527	30.5	30.3	39.2
CITY PUB SERV-SAN ANTONIO																			
50595	1007	0.0	0.86	0.86	100.0	0	7964	50952	58916	0.0	13.5	86.5	0	10852	43475	54327	0.0	20.0	80.0
57538	1025	0.0	1.59	1.59	100.0	0	2409	58953	61363	0.0	3.9	96.1	0	4585	91594	96179	0.0	4.8	95.2
47177	1031	0.0	1.89	1.89	100.0	5891	4529	48656	59075	10.0	7.7	82.4	6657	8427	89212	104295	6.4	8.1	85.5
54740	1037	0.0	2.00	2.00	100.0	37416	1403	56742	95561	39.2	1.5	59.4	44567	2884	109565	157015	28.4	1.8	69.8
CITY UTILITIES OF SPRINGFIELD																			
8423	1013	0.48	0.0	0.48	0.0	3351	0	8534	11885	28.2	0.0	71.8	2445	0	4015	6460	37.8	0.0	62.2
5373	1011	0.68	0.0	0.68	0.0	4363	307	5430	10101	43.2	3.0	53.8	4226	930	3657	8813	47.9	10.6	41.5
4433	1013	0.81	0.0	0.81	0.0	10836	1115	4489	16440	65.9	6.8	27.3	10715	3208	3607	17531	61.1	18.3	20.6
3327	1016	1.04	0.0	1.04	0.0	12229	1062	3380	16672	73.4	6.4	20.3	12221	2954	3467	18642	65.6	15.8	18.6
CLEVELAND, CITY OF																			
0	0	0.0	0.0	0.0	0.0	3055	1006	0	4061	75.2	24.8	0.0	2802	2147	0	4949	56.6	43.4	0.0
0	0	0.0	0.0	0.0	0.0	2688	1227	0	3916	68.7	31.3	0.0	3196	2745	0	5942	53.8	46.2	0.0
0	0	0.0	0.0	0.0	0.0	2585	41	0	2626	98.4	1.6	0.0	2584	101	0	2685	96.3	3.7	0.0
0	0	0.0	0.0	0.0	0.0	407	177	0	584	69.6	30.4	0.0	398	502	0	900	44.2	55.8	0.0
CLEVELAND ELECTRIC ILLUM CO																			
0	0	0.0	0.0	0.0	0.0	196173	12513	0	208685	94.0	6.0	0.0	197705	28922	0	226627	87.2	12.8	0.0
0	0	0.0	0.0	0.0	0.0	177610	3964	0	181573	97.8	2.2	0.0	185518	8953	0	194471	95.4	4.6	0.0
0	0	0.0	0.0	0.0	0.0	189656	1753	0	191409	99.1	0.9	0.0	194395	3887	0	198282	98.0	2.0	0.0
0	0	0.0	0.0	0.0	0.0	186713	11714	0	198428	94.1	5.9	0.0	211397	28617	0	240014	88.1	11.9	0.0
COFFEYVILLE MUNI LT & WTR DEPT																			
1741	1000	0.39	0.0	0.39	0.0	0	78	1741	1820	0.0	4.3	95.7	0	87	687	774	0.0	11.2	88.8
2178	1000	0.48	0.0	0.48	0.0	0	0	2178	2178	0.0	0.0	100.0	0	0	1041	1041	0.0	0.0	100.0
1870	1000	0.64	0.0	0.64	0.0	0	67	1870	1937	0.0	3.5	96.5	0	104	1199	1303	0.0	8.0	92.0
2880	1000	1.03	0.0	1.03	0.0	0	110	2880	2991	0.0	3.7	96.3	0	218	2975	3193	0.0	6.8	93.2
COLORADO SPRINGS DEPT PUB UTILS																			
8271	994	0.42	0.48	0.44	21.6	6862	50	8223	15134	45.3	0.3	54.3	3011	94	3608	6713	44.9	1.4	53.7
6498	995	0.60	0.63	0.61	23.5	9267	340	6466	16073	57.7	2.1	40.2	6784	638	3950	11372	59.7	5.6	34.7
2756	996	0.92	0.95	0.92	14.7	14181	60	2745	16986	83.5	0.4	16.2	10909	101	2541	13551	80.5	0.7	18.8
3823	985	1.20	1.18	1.20	17.8	18637	2	3766	22405	83.2	0.0	16.8	15963	7	4579	20548	77.7	0.0	22.3
COLORADO-UTE ELECTRIC ASSN																			
0	0	0.0	0.0	0.0	0.0	12070	0	0	12070	100.0	0.0	0.0	2828	0	0	2828	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	16038	0	0	16038	100.0	0.0	0.0	4495	0	0	4495	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	22075	0	0	22075	100.0	0.0	0.0	6917	0	0	6917	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	25242	0	0	25242	100.0	0.0	0.0	8030	0	0	8030	100.0	0.0	0.0

	COAL								RESIDUAL OIL #6							FUEL OIL # 2			
	QUAN. DELIV.		AVERAGE CONTENT			AVERAGE PRICE IN $ PER TON			QUAN. DELIV.		AV. CONTENT		AVERAGE PRICE IN $ PER BBL			QUAN	% OF	BTU	AV.
YEAR	1000 TONS	% ON CONTR	BTU/ LB	SULF WT.%	ASH WT.%	SPOT	CONTR	TOTAL	1000 BBLS	% ON CONTR	BTU/ GAL	SULF WT.%	SPOT	CONTR	TOTAL	1000 BBLS	TOTAL #2+#6	CONT/ GAL	PRICE $/BBL
COLUMBIA WATER & LIGHT																			
1974	73	100.0	12113	1.54	8.5	0.0	23.84	23.84	0	0.0	0	0.0	0.0	0.0	0.0	3	100.0	140000	12.47
1975	84	100.0	11780	1.70	9.1	0.0	31.96	31.96	0	0.0	0	0.0	0.0	0.0	0.0	23	100.0	140000	12.70
1976	65	100.0	11261	2.89	11.0	0.0	30.50	30.50	0	0.0	0	0.0	0.0	0.0	0.0	77	100.0	140000	13.31
1977	74	100.0	10394	3.80	14.5	0.0	29.00	29.00	0	0.0	0	0.0	0.0	0.0	0.0	31	100.0	140000	15.22
COLUMBUS & SOUTHERN OHIO ELEC																			
1974	3640	98.7	10324	4.41	17.8	15.11	12.87	12.90	0	0.0	0	0.0	0.0	0.0	0.0	123	100.0	137000	12.95
1975	3590	99.1	10659	4.14	16.4	19.50	18.65	18.66	0	0.0	0	0.0	0.0	0.0	0.0	332	100.0	136924	12.22
1976	3314	98.5	10865	4.22	15.7	16.40	19.03	18.99	0	0.0	0	0.0	0.0	0.0	0.0	379	100.0	136624	13.16
1977	4300	95.9	10941	3.96	15.1	16.79	19.31	19.21	0	0.0	0	0.0	0.0	0.0	0.0	311	100.0	136835	14.95
COLUMBUS DIV OF ELECTRICITY																			
1974	14	23.2	10794	2.02	13.3	15.66	24.21	17.65	0	0.0	0	0.0	0.0	0.0	0.0	2	100.0	138713	12.58
1975	31	32.6	11331	3.05	14.0	18.04	18.41	18.16	0	0.0	0	0.0	0.0	0.0	0.0	13	100.0	138679	13.34
1976	40	100.0	11659	2.22	10.4	0.0	19.29	19.29	0	0.0	0	0.0	0.0	0.0	0.0	13	100.0	138713	14.33
1977	18	100.0	10943	2.66	10.2	0.0	17.82	17.82	0	0.0	0	0.0	0.0	0.0	0.0	10	100.0	138713	16.05
COMMONWEALTH EDISON-INDIANA																			
1974	2777	100.0	10140	1.23	8.6	0.0	11.97	11.97	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	2159	100.0	9765	1.11	8.2	0.0	14.92	14.92	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	2051	100.0	9731	0.40	6.1	0.0	18.42	18.42	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	1843	100.0	9506	0.41	4.4	0.0	22.93	22.93	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
COMMONWEALTH EDISON																			
1974	14707*	100.0	9957	2.19	9.0	0.0	11.42	11.42	4291	100.0	148944	0.87	0.0	6.49	6.49	1242*	22.4	137995	13.00
1975	16644*	100.0	9758	1.83	8.4	0.0	14.52	14.52	4736	100.0	147764	0.85	0.0	7.74	7.74	4122*	46.5	137343	12.83
1976	16344	100.0	9837	1.95	8.9	0.0	16.63	16.63	3680	100.0	148795	0.89	0.0	12.88	12.88	3878*	51.3	137475	14.18
1977	14881	100.0	9878	1.74	8.0	0.0	20.27	20.27	6891	100.0	148019	0.74	0.0	15.68	15.68	3947*	36.4	137583	16.41
COMMUNITY PUB SERV-NEW MEXICO																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	42*	100.0	145000	1.00	0.0	13.03	13.03	0	0.0	0	0.0
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	142*	88.7	145000	0.99	12.12	13.26	13.14	0	0.0	0	0.0
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	120*	100.0	145000	1.00	0.0	13.28	13.28	0	0.0	0	0.0
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	209*	100.0	145000	1.00	0.0	15.22	15.22	6	2.8	140600	16.35
CONSOLIDATED EDISON CO OF NY																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	46711	84.3	143761	0.38	12.10	13.54	13.32	692*	1.5	136084	13.00
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	34192	85.3	143762	0.30	11.71	13.05	12.86	3265*	8.7	136342	12.71
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	34243	96.1	144782	0.27	12.18	12.68	12.66	3348*	8.9	136185	13.92
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	30751	84.6	144991	0.27	13.93	14.33	14.27	1886*	5.8	135933	15.51
CONSUMERS POWER																			
1974	6297	74.9	11466	2.58	13.1	34.81	14.72	19.77	3760*	58.5	141144	0.74	12.36	11.80	12.03	196*	4.9	136531	12.39
1975	6177	92.5	11559	2.77	12.5	27.62	19.90	20.48	T274*	83.7	139102	0.55	12.19	13.04	12.91	311*	4.1	136025	11.98
1976	5967	91.2	11615	2.65	11.8	24.38	23.12	23.23	6822*	83.3	139640	0.53	11.44	13.71	13.33	188*	2.7	138715	13.20
1977	5251	82.2	11602	2.45	11.6	26.85	25.21	25.50	6432*	86.2	140300	0.58	14.44	15.75	15.57	251*	3.8	139944	16.19
CONSUMERS PUBLIC PWR DIST																			
1974	43	100.0	10704	0.84	10.5	0.0	11.85	11.85	14	0.0	151900	0.95	7.80	0.0	7.80	0	0.0	0	0.0
CORN BELT PWR COOP																			
1974	99	0.0	10387	2.29	13.1	20.80	0.0	20.80	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	138	0.0	10597	2.15	10.5	25.26	0.0	25.26	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	52	0.0	9955	5.32	19.3	22.56	0.0	22.56	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	55	0.5	12276	3.40	11.9	30.09	23.88	30.05	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
CRAWFORDSVILLE ELEC LT & PWR																			
1974	133	2.6	10627	2.97	12.2	12.88	17.44	13.00	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	108	23.1	11315	3.61	13.0	19.23	18.49	19.06	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	71	22.5	11071	2.48	10.6	19.92	20.51	20.05	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	47	21.3	10811	2.49	12.1	21.31	21.57	21.37	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
DAIRYLAND POWER COOPERATIVE																			
1974	1534*	70.4	10322	2.88	11.6	12.14	13.13	12.84	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	1911*	78.4	9942	2.65	13.3	18.94	18.74	18.79	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	1340	93.4	9894	2.44	11.3	20.10	20.17	20.17	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	1360*	95.4	9891	2.64	12.2	21.75	20.84	20.88	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
DALLAS PWR & LT (TEXAS UTILS)																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	124*	78.8	148143	0.64	8.59	10.26	9.90	323	72.2	137524	10.65
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	49*	100.0	148143	0.57	0.0	12.88	12.88	106	68.4	137524	12.92
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	1*	0.0	148143	0.11	12.31	0.0	12.31	43	97.2	137524	13.03
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	97*	100.0	146511	0.28	0.0	11.04	11.04	81	45.5	137571	13.54

NATURAL GAS AMOUNT IN 1000 MCF	BTU CONT/ CU FT	AVERAGE PRICE IN $ PER MCF FIRM	IRPT	TOTL	% FIRM/ TOTAL	TOTAL QUANTITY DELIVERED IN BILLION BTUS COAL	OIL	GAS	TOTAL	% OF TOTAL BTUS COAL	OIL	GAS	TOTAL DELIVERED FUEL COST IN $1000 COAL	OIL	GAS	TOTAL	% OF FUEL COST COAL	OIL	GAS
COLUMBIA WATER & LIGHT																			
910	1000	0.48	0.69	0.69	96.9	1770	19	910	2700	65.6	0.7	33.7	1742	41	626	2409	72.3	1.7	26.0
47	1000	0.61	0.77	0.73	75.8	1977	135	47	2159	91.6	6.3	2.2	2682	292	34	3008	89.2	9.7	1.1
20	1000	0.96	2.04	1.09	12.5	1467	454	20	1940	75.6	23.4	1.0	1986	1027	22	3035	65.4	33.8	0.7
0	0	0.0	0.0	0.0	0.0	1537	182	0	1720	89.4	10.6	0.0	2145	472	0	2616	82.0	18.0	0.0
COLUMBUS & SOUTHERN OHIO ELEC																			
154	1030	0.89	0.0	0.89	0.0	75155	708	159	76022	98.9	0.9	0.2	46958	1593	137	48688	96.4	3.3	0.3
338	1030	1.08	0.0	1.08	0.0	76531	1910	348	78788	97.1	2.4	0.4	66988	4059	367	71413	93.8	5.7	0.5
403	1030	1.59	0.0	1.59	0.0	72022	2177	415	74615	96.5	2.9	0.6	62944	4993	640	68576	91.8	7.3	0.9
221	1030	1.83	0.0	1.83	0.0	94088	1785	228	96100	97.9	1.9	0.2	82596	4644	405	87645	94.2	5.3	0.5
COLUMBUS DIV OF ELECTRICITY																			
1403	1020	0.79	0.0	0.79	0.0	293	9	1431	1732	16.9	0.5	82.6	239	19	1109	1367	17.5	1.4	81.1
509	1020	1.08	0.0	1.08	0.0	701	77	519	1297	54.1	5.9	40.0	562	177	550	1288	43.6	13.7	42.7
156	1020	1.63	0.0	1.63	0.0	933	75	159	1167	79.9	6.5	13.6	772	185	254	1211	63.7	15.3	21.0
130	1020	1.79	0.0	1.79	0.0	384	57	132	573	66.9	10.0	23.1	312	158	233	703	44.5	22.4	33.1
COMMONWEALTH EDISON-INDIANA																			
27	1025	0.0	0.85	0.85	100.0	56328	0	28	56355	100.0	0.0	0.0	33253	0	23	33276	99.9	0.0	0.1
102	1025	0.0	1.15	1.15	100.0	42165	0	105	42270	99.8	0.0	0.2	32222	0	118	32340	99.6	0.0	0.4
71	1023	0.0	1.55	1.55	100.0	39916	0	73	39988	99.8	0.0	0.2	37780	0	110	37890	99.7	0.0	0.3
131	1023	0.0	1.57	1.57	100.0	35039	0	134	35173	99.6	0.0	0.4	42255	0	206	42461	99.5	0.0	0.5
COMMONWEALTH EDISON																			
26588	1033	0.0	0.84	0.84	100.0	292879	34042	27462	354383	82.6	9.6	7.7	167974	44017	22278	234268	71.7	18.8	9.5
22248	1032	0.0	1.27	1.27	100.0	324806	53169	22966	400941	81.0	13.3	5.7	241591	89523	28206	359321	67.2	24.9	7.8
15420	1031	0.0	1.53	1.53	100.0	321570	45387	15902	382858	84.0	11.9	4.2	271862	102394	23570	397826	68.3	25.7	5.9
4332	1030	0.0	2.13	2.13	100.0	293995	65650	4463	364109	80.7	18.0	1.2	301591	172824	9219	483634	62.4	35.7	1.9
COMMUNITY PUB SERV-NEW MEXICO																			
2167	1078	0.0	0.60	0.60	100.0	0	258	2337	2595	0.0	9.9	90.1	0	552	1290	1842	0.0	29.9	70.1
1272	1073	0.0	0.81	0.81	100.0	0	865	1364	2230	0.0	38.8	61.2	0	1867	1031	2897	0.0	64.4	35.6
1032	1070	0.0	0.90	0.90	100.0	0	731	1104	1835	0.0	39.8	60.2	0	1594	931	2525	0.0	63.1	36.9
929	1064	0.0	1.22	1.22	100.0	0	1308	989	2297	0.0	57.0	43.0	0	3280	1135	4415	0.0	74.3	25.7
CONSOLIDATED EDISON CO OF NY																			
18999	1027	0.62	0.65	0.63	12.8	0	285999	19517	305515	0.0	93.6	6.4	0	631045	11900	642945	0.0	98.1	1.9
9294	1025	0.88	0.0	0.88	0.0	0	225145	9522	234668	0.0	95.9	4.1	0	481134	8219	489353	0.0	98.3	1.7
2064	1024	1.06	0.0	1.06	0.0	0	227374	2113	229487	0.0	99.1	0.9	0	479837	2196	482033	0.0	99.5	0.5
985	1027	1.31	0.0	1.31	0.0	0	198030	1012	199042	0.0	99.5	0.5	0	467999	1291	469290	0.0	99.7	0.3
CONSUMERS POWER																			
4467	990	0.71	1.24	0.96	47.9	144404	23413	4422	172239	83.8	13.6	2.6	124468	47664	4290	176422	70.6	27.0	2.4
13019	996	0.95	1.49	1.27	60.5	142790	44273	12964	200027	71.4	22.1	6.5	126476	97598	16598	240671	52.6	40.6	6.9
10764	999	1.25	1.71	1.54	63.1	138614	41104	10748	190466	72.8	21.6	5.6	138643	93430	16593	248666	55.8	37.6	6.7
6062	1000	1.65	2.06	1.91	62.6	121851	39379	6062	167293	72.8	23.5	3.6	133921	104216	11564	249702	53.6	41.7	4.6
CONSUMERS PUBLIC PWR DIST																			
204	1001	0.45	0.0	0.45	0.0	914	92	204	1210	75.5	7.6	16.8	506	113	91	709	71.3	15.9	12.8
CORN BELT PWR COOP																			
2886	1000	0.49	0.69	0.49	0.1	2053	0	2886	4939	41.6	0.0	58.4	2056	0	1404	3460	59.4	0.0	40.6
1589	1000	0.62	0.74	0.62	0.0	2924	0	1589	4512	64.8	0.0	35.2	3485	0	985	4469	78.0	0.0	22.0
224	1000	0.93	0.0	0.93	0.0	1037	0	224	1261	82.2	0.0	17.8	1175	0	208	1383	85.0	0.0	15.0
11	1000	1.32	0.0	1.32	0.0	1346	0	11	1357	99.2	0.0	0.8	1648	0	14	1662	99.2	0.0	0.8
CRAWFORDSVILLE ELEC LT & PWR																			
0	0	0.0	0.0	0.0	0.0	2827	0	0	2827	100.0	0.0	0.0	1729	0	0	1729	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	2444	0	0	2444	100.0	0.0	0.0	2058	0	0	2058	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	1572	0	0	1572	100.0	0.0	0.0	1424	0	0	1424	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	1016	0	0	1016	100.0	0.0	0.0	1004	0	0	1004	100.0	0.0	0.0
DAIRYLAND POWER COOPERATIVE																			
0	0	0.0	0.0	0.0	0.0	31677	0	0	31677	100.0	0.0	0.0	19695	0	0	19695	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	37996	0	0	37996	100.0	0.0	0.0	35897	0	0	35897	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	26514	0	0	26514	100.0	0.0	0.0	27020	0	0	27020	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	26905	0	0	26905	100.0	0.0	0.0	28401	0	0	28401	100.0	0.0	0.0
DALLAS PWR & LT (TEXAS UTILS)																			
79114	1023	0.0	0.50	0.50	100.0	0	2640	80914	83554	0.0	3.2	96.8	0	4671	39590	44260	0.0	10.6	89.4
75933	1021	0.0	0.94	0.94	100.0	0	918	77565	78483	0.0	1.2	98.8	0	2003	71267	73269	0.0	2.7	97.3
79182	1018	0.0	1.44	1.44	100.0	0	254	80570	80824	0.0	0.3	99.7	0	571	114272	114842	0.0	0.5	99.5
85058	1041	0.0	1.75	1.75	100.0	0	1069	88568	89637	0.0	1.2	98.8	0	2177	148701	150878	0.0	1.4	98.6

YEAR	COAL QUAN. DELIV. 1000 TONS	COAL QUAN. DELIV. % ON CONTR	COAL AVERAGE CONTENT BTU/LB	COAL AVERAGE CONTENT SULF WT %	COAL AVERAGE CONTENT ASH WT %	COAL AVERAGE PRICE IN $ PER TON SPOT	COAL AVERAGE PRICE IN $ PER TON CONTR	COAL AVERAGE PRICE IN $ PER TON TOTAL	RESIDUAL OIL #6 QUAN. DELIV. 1000 BBLS	RESIDUAL OIL #6 QUAN. DELIV. % ON CONTR	RESIDUAL OIL #6 AV. CONTENT BTU/GAL	RESIDUAL OIL #6 AV. CONTENT SULF WT %	RESIDUAL OIL #6 AVERAGE PRICE IN $ PER BBL SPOT	RESIDUAL OIL #6 AVERAGE PRICE IN $ PER BBL CONTR	RESIDUAL OIL #6 AVERAGE PRICE IN $ PER BBL TOTAL	FUEL OIL # 2 QUAN 1000 BBLS	FUEL OIL # 2 % OF TOTAL #2+#6	FUEL OIL # 2 BTU CONT/GAL	FUEL OIL # 2 AV. PRICE $/BBL
DANVILLE WTR GAS & ELEC																			
1974	53	100.0	13500	0.90	8.0	0.0	41.75	41.75	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	53	100.0	13500	0.90	8.0	0.0	38.52	38.52	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	53	100.0	13500	0.90	8.0	0.0	28.53	28.53	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	65	100.0	13224	0.90	8.0	0.0	31.00	31.00	0	0.0	0	0.0	0.0	0.0	0.0	3	100.0	134000	17.30
DEEPWATER OPERATING CO (ACE)																			
1974	175	0.0	12150	2.41	12.7	34.50	0.0	34.50	1866	97.8	141839	0.48	16.65	13.14	13.22	7*	0.4	131511	14.62
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	1863	100.0	141656	0.30	0.0	12.62	12.62	10*	0.6	134655	14.55
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	1501	100.0	145473	0.81	0.0	11.84	11.84	6*	0.4	134495	15.06
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	1760	100.0	147188	1.39	0.0	13.19	13.19	24*	1.4	135824	15.72
DELMARVA POWER & LIGHT-MD																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	2302	92.0	145758	1.03	10.86	12.52	12.38	23	1.0	138739	11.49
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	1018	55.8	145988	1.24	10.39	12.96	11.83	31	3.0	138020	11.74
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	1669	0.0	147622	1.88	10.69	0.0	10.69	43	2.5	137352	13.55
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	1242	11.0	148581	1.77	13.00	12.78	12.98	34	2.7	137607	14.94
DELMARVA POWER & LIGHT-VA																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	19	100.0	141000	10.69
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	30	100.0	141000	12.18
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	19	100.0	141000	13.89
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	39	100.0	140025	16.09
DELMARVA POWER & LIGHT																			
1974	821*	12.5	12264	2.29	12.2	27.05	19.99	26.16	6917*	74.0	143751	0.92	13.34	13.86	13.72	81	1.2	138822	12.06
1975	973*	28.9	12271	2.12	12.9	29.09	26.20	28.26	5562*	16.7	145562	0.80	12.78	12.77	12.78	216	3.7	138514	12.69
1976	772*	40.7	12482	2.06	12.6	25.06	26.37	25.59	5888*	12.2	145282	0.86	11.76	11.94	11.78	159	2.6	139025	13.85
1977	713*	45.4	12115	2.00	13.3	27.22	25.92	26.63	5991	61.6	146177	0.87	13.84	13.30	13.51	386	6.0	138706	14.42
DENTON, CITY OF																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	12	100.0	139021	11.72
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	4	100.0	139675	12.76
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	341	100.0	139680	13.84
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	134	100.0	139680	15.90
DETROIT PUBLIC LIGHTING COMM																			
1974	376	100.0	11272	1.61	16.9	0.0	37.54	37.54	0	0.0	0	0.0	0.0	0.0	0.0	125	100.0	132695	11.51
1975	210	100.0	12366	0.85	10.2	0.0	28.98	28.98	0	0.0	0	0.0	0.0	0.0	0.0	29	100.0	138799	13.98
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	517	100.0	146058	0.93	0.0	11.88	11.88	416	44.6	139136	13.88
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	1112	100.0	148462	0.97	0.0	15.16	15.16	148	11.7	138166	16.54
DOVER, CITY OF																			
1974	5	0.0	11380	3.81	14.1	24.78	0.0	24.78	343	100.0	148987	1.83	0.0	10.80	10.80	0	0.0	0	0.0
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	519	100.0	148301	1.90	0.0	11.19	11.19	0	0.1	139100	14.08
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	824	100.0	148275	1.61	0.0	11.25	11.25	3	0.3	139196	14.43
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	922	100.0	147786	1.68	0.0	13.42	13.42	6	0.7	136175	17.24
DUKE POWER																			
1974	14416	72.2	11983	1.06	13.2	35.50	18.98	23.57	0	0.0	0	0.0	0.0	0.0	0.0	225	100.0	138884	12.20
1975	12936	84.8	11746	1.11	14.6	26.09	25.99	26.01	0	0.0	0	0.0	0.0	0.0	0.0	347	100.0	138808	12.33
1976	13204	92.9	11950	1.09	13.8	21.47	27.65	27.21	0	0.0	0	0.0	0.0	0.0	0.0	134	100.0	138650	13.98
1977	15371	64.9	11923	1.11	13.1	31.03	29.84	30.26	0	0.0	0	0.0	0.0	0.0	0.0	1026	100.0	138179	15.93
DUQUESNE LIGHT																			
1974	4141	9.9	11178	2.15	19.8	14.41	16.91	14.65	0	0.0	0	0.0	0.0	0.0	0.0	460	100.0	136884	15.22
1975	4111	52.3	11263	2.13	18.1	21.43	19.18	20.26	0	0.0	0	0.0	0.0	0.0	0.0	802	100.0	136798	13.77
1976	3499	53.4	11729	2.11	16.1	20.07	21.40	20.78	0	0.0	0	0.0	0.0	0.0	0.0	763	100.0	137024	13.63
1977	3339	39.2	11845	1.94	15.3	20.61	22.72	21.44	0	0.0	0	0.0	0.0	0.0	0.0	945	100.0	137410	16.57
EAST KENTUCKY RURAL ELEC COOP																			
1974	979	66.4	10621	2.08	20.2	28.86	21.50	23.97	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	1109	21.2	11759	2.11	12.8	20.85	19.47	20.56	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	1297	56.2	12158	1.78	10.7	19.89	21.59	20.85	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	1509	15.4	11802	1.68	12.2	25.61	22.30	25.10	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
EASTERN IOWA LT & PWR																			
1974	90	35.4	10501	2.79	9.5	16.70	14.99	16.10	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	76*	8.5	10545	2.61	7.6	19.88	19.65	19.86	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	80	100.0	10312	2.46	7.8	0.0	19.88	19.88	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	157	100.0	10732	2.70	8.4	0.0	21.80	21.80	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
EASTON UTIL COMM																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	32	100.0	138518	12.04
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	72	100.0	138119	12.36
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	62	100.0	138105	13.55
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	81	100.0	137502	15.37

NATURAL GAS						TOTAL QUANTITY DELIVERED							TOTAL DELIVERED FUEL COST						
AMOUNT IN 1000 MCF	BTU CONT/ CU FT	AVERAGE PRICE IN $ PER MCF FIRM	IRPT	TOTL	% FIRM/ TOTAL	IN BILLION BTUS COAL	OIL	GAS	TOTAL	% OF TOTAL BTUS COAL	OIL	GAS	IN $1000 COAL	OIL	GAS	TOTAL	% OF FUEL COST COAL	OIL	GAS
DANVILLE WTR GAS & ELEC																			
694	1040	0.57	0.0	0.57	0.0	1439	0	722	2161	66.6	0.0	33.4	2226	0	396	2621	84.9	0.0	15.1
299	1040	0.94	0.0	0.94	0.0	1440	0	311	1751	82.2	0.0	17.8	2054	0	280	2334	88.0	0.0	12.0
78	1040	1.04	0.0	1.04	0.0	1420	0	81	1501	94.6	0.0	5.4	1501	0	81	1581	94.9	0.0	5.1
62	1040	1.57	0.0	1.57	0.0	1725	19	64	1809	95.4	1.1	3.6	2022	59	97	2178	92.8	2.7	4.5
DEEPWATER OPERATING CO (ACE)																			
1214	1027	0.58	0.59	0.58	3.2	4257	11156	1247	16661	25.6	67.0	7.5	6045	24779	708	31531	19.2	78.6	2.2
0	0	0.0	0.0	0.0	0.0	0	11145	0	11145	0.0	100.0	0.0	0	23659	0	23659	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	9201	0	9201	0.0	100.0	0.0	0	17856	0	17856	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	11019	0	11019	0.0	100.0	0.0	0	23601	0	23601	0.0	100.0	0.0
DELMARVA POWER & LIGHT-MD																			
0	0	0.0	0.0	0.0	0.0	0	14226	0	14226	0.0	100.0	0.0	0	28773	0	28773	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	6422	0	6422	0.0	100.0	0.0	0	12402	0	12402	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	10596	0	10596	0.0	100.0	0.0	0	18417	0	18417	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	7947	0	7947	0.0	100.0	0.0	0	16629	0	16629	0.0	100.0	0.0
DELMARVA POWER & LIGHT-VA																			
0	0	0.0	0.0	0.0	0.0	0	113	0	113	0.0	100.0	0.0	0	203	0	203	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	178	0	178	0.0	100.0	0.0	0	365	0	365	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	113	0	113	0.0	100.0	0.0	0	264	0	264	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	229	0	229	0.0	100.0	0.0	0	627	0	627	0.0	100.0	0.0
DELMARVA POWER & LIGHT																			
105*	992	2.49	0.0	2.49	0.0	20137	42234	104	62475	32.2	67.6	0.2	21478	95906	262	117646	18.3	81.5	0.2
292*	1114	1.48	0.35	0.74	65.8	23879	35260	325	59465	40.2	59.3	0.5	27493	73808	216	101517	27.1	72.7	0.2
597*	1092	1.62	0.44	1.07	46.4	19273	36856	652	56781	33.9	64.9	1.1	19755	71566	639	91960	21.5	77.8	0.7
220*	1179	1.96	0.0	1.96	0.0	17276	39028	259	56564	30.5	69.0	0.5	18986	86485	430	105901	17.9	81.7	0.4
DENTON, CITY OF																			
5767	1064	0.56	0.0	0.56	0.0	0	69	6137	6205	0.0	1.1	98.9	0	138	3233	3371	0.0	4.1	95.9
5985	1051	1.09	0.0	1.09	0.0	0	24	6291	6315	0.0	0.4	99.6	0	52	6552	6604	0.0	0.8	99.2
5758	1055	1.43	0.0	1.43	0.0	0	2002	6074	8076	0.0	24.8	75.2	0	4724	8210	12934	0.0	36.5	63.5
4420	1069	1.70	0.0	1.70	0.0	0	784	4723	5507	0.0	14.2	85.8	0	2126	7522	9648	0.0	22.0	78.0
DETROIT PUBLIC LIGHTING COMM																			
0	0	0.0	0.0	0.0	0.0	8481	698	0	9179	92.4	7.6	0.0	14122	1441	0	15563	90.7	9.3	0.0
0	0	0.0	0.0	0.0	0.0	5186	168	0	5354	96.9	3.1	0.0	6076	403	0	6479	93.8	6.2	0.0
0	0	0.0	0.0	0.0	0.0	0	5602	0	5602	0.0	100.0	0.0	0	11913	0	11913	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	7789	0	7789	0.0	100.0	0.0	0	19295	0	19295	0.0	100.0	0.0
DOVER, CITY OF																			
125	1009	1.24	0.0	1.24	0.0	114	2148	126	2388	4.8	89.9	5.3	124	3708	156	3987	3.1	93.0	3.9
237	1023	1.53	0.0	1.53	0.0	0	3236	243	3478	0.0	93.0	7.0	0	5815	364	6179	0.0	94.1	5.9
161	1027	1.72	0.0	1.72	0.0	0	5149	165	5314	0.0	96.9	3.1	0	9310	277	9586	0.0	97.1	2.9
227	1030	2.11	0.0	2.11	0.0	0	5759	233	5993	0.0	96.1	3.9	0	12486	478	12964	0.0	96.3	3.7
DUKE POWER																			
2946	1028	0.90	0.73	0.89	7.7	345498	1311	3029	349838	98.8	0.4	0.9	339762	2742	2611	345115	98.4	0.8	0.8
255	1027	0.78	2.88	0.78	0.0	303898	2024	262	306184	99.3	0.7	0.1	336446	4280	200	340926	98.7	1.3	0.1
1	1033	3.49	4.86	3.49	0.1	315580	780	1	316361	99.8	0.2	0.0	359292	1873	5	361170	99.5	0.5	0.0
0	1033	4.26	6.15	4.29	1.6	366517	5952	0	372469	98.4	1.6	0.0	465137	16342	0	481479	96.6	3.4	0.0
DUQUESNE LIGHT																			
0	0	0.0	0.0	0.0	0.0	92588	2646	0	95235	97.2	2.8	0.0	60683	7007	0	67690	89.6	10.4	0.0
0	0	0.0	0.0	0.0	0.0	92599	4608	0	97207	95.3	4.7	0.0	83273	11040	0	94312	88.3	11.7	0.0
0	0	0.0	0.0	0.0	0.0	82078	4393	0	86471	94.9	5.1	0.0	72698	10404	0	83102	87.5	12.5	0.0
0	0	0.0	0.0	0.0	0.0	79096	5451	0	84547	93.6	6.4	0.0	71590	15655	0	87245	82.1	17.9	0.0
EAST KENTUCKY RURAL ELEC COOP																			
0	0	0.0	0.0	0.0	0.0	20799	0	0	20799	100.0	0.0	0.0	23472	0	0	23472	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	26091	0	0	26091	100.0	0.0	0.0	22808	0	0	22808	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	31526	0	0	31526	100.0	0.0	0.0	27028	0	0	27028	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	35619	0	0	35619	100.0	0.0	0.0	37872	0	0	37872	100.0	0.0	0.0
EASTERN IOWA LT & PWR																			
1369	1041	0.60	0.0	0.60	0.0	1888	0	1426	3314	57.0	0.0	43.0	1447	0	828	2275	63.6	0.0	36.4
1232	1038	0.84	0.0	0.84	0.0	1598	0	1280	2878	55.5	0.0	44.5	1505	0	1030	2534	59.4	0.0	40.6
1127	1035	0.91	0.0	0.91	0.0	1642	0	1167	2809	58.5	0.0	41.5	1583	0	1029	2611	60.6	0.0	39.4
326	1026	1.22	0.0	1.22	0.0	3380	0	334	3714	91.0	0.0	9.0	3433	0	399	3832	89.6	0.0	10.4
EASTON UTIL COMM																			
41	936	0.0	0.80	0.80	100.0	0	186	38	225	0.0	82.9	17.1	0	385	33	418	0.0	92.1	7.9
115	936	1.12	1.00	1.01	98.3	0	418	108	525	0.0	79.5	20.5	0	890	116	1006	0.0	88.5	11.5
56	936	1.69	1.41	1.62	25.0	0	360	52	412	0.0	87.3	12.7	0	840	91	931	0.0	90.2	9.8
14	936	2.04	0.0	2.04	0.0	0	468	13	481	0.0	97.2	2.8	0	1245	29	1274	0.0	97.7	2.3

	COAL								RESIDUAL OIL #6							FUEL OIL # 2			
	QUAN. DELIV.		AVERAGE CONTENT			AVERAGE PRICE IN $ PER TON			QUAN. DELIV.		AV. CONTENT		AVERAGE PRICE IN $ PER BBL			QUAN	% OF	BTU	AV.
YEAR	1000 TONS	% ON CONTR	BTU/ LB	SULF WT.%	ASH WT.%	SPOT	CONTR	TOTAL	1000 BBLS	% ON CONTR	BTU/ GAL	SULF WT.%	SPOT	CONTR	TOTAL	1000 BBLS	TOTAL #2+#6	CONT/ GAL	PRICE $/BBL
EL PASO ELECTRIC																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	877*	77.5	141898	0.50	9.00	12.30	11.56	87	9.1	139627	13.20
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	1535*	97.7	140062	0.36	10.63	13.89	13.81	0	0.0	0	0.0
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	674*	97.8	139877	0.36	8.29	16.20	16.03	48	6.7	140030	16.59
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	464*	100.0	140084	0.38	0.0	15.48	15.48	0	0.0	0	0.0
ELECTRIC ENERGY																			
1974	3186	59.7	11170	2.72	11.6	16.49	11.66	13.61	0	0.0	0	0.0	0.0	0.0	0.0	3	100.0	137914	11.88
1975	3424	77.0	11324	2.79	10.9	23.15	20.19	20.87	0	0.0	0	0.0	0.0	0.0	0.0	15	100.0	138044	12.47
1976	3145	77.0	11520	2.48	10.1	19.94	22.78	22.13	0	0.0	0	0.0	0.0	0.0	0.0	17	100.0	138572	13.81
1977	2977*	59.9	11459	2.46	11.0	24.52	24.14	24.30	0	0.0	0	0.0	0.0	0.0	0.0	14	100.0	136716	15.15
EMPIRE DIST. ELECTRIC																			
1974	689*	72.8	10628	4.28	20.7	13.70	5.63	7.83	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	820	68.7	10555	4.51	21.9	18.68	6.67	10.43	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	867*	64.4	10686	4.56	21.6	20.08	8.35	12.53	16	0.0	152211	2.03	8.63	0.0	8.63	0	0.0	0	0.0
1977	816*	61.9	10958	4.50	20.4	21.16	9.76	14.10	51	0.0	149192	0.63	11.48	0.0	11.48	15*	23.0	139998	15.43
FITCHBURG GAS & ELECTRIC																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	49	100.0	147587	0.93	0.0	12.59	12.59	110	69.1	137677	11.98
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	38	68.4	145481	1.00	12.77	13.07	12.97	25	39.9	136641	13.11
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	5	56.5	145184	0.69	11.99	13.79	13.01	10	67.6	138041	14.02
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	2	100.0	146712	0.47	0.0	13.87	13.87	8	81.1	135472	15.59
FLORIDA POWER CORP																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	16419	100.0	149365	2.36	10.75	9.67	9.67	92	0.6	137592	12.80
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	18237	99.4	149314	2.37	10.63	10.54	10.54	1063	5.5	137509	13.50
1976	205	100.0	11262	2.15	9.6	0.0	31.48	31.48	19104	97.3	149366	2.31	10.09	10.25	10.24	2028	9.6	138178	13.93
1977	950*	100.0	11261	2.58	10.3	0.0	32.66	32.66	14375	95.1	149278	2.19	12.09	12.45	12.44	1724	10.7	138171	15.20
FLORIDA POWER AND LIGHT																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	28756	100.0	145968	0.89	0.0	11.89	11.89	16	0.1	138000	10.84
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	29664	100.0	146809	0.90	0.0	12.21	12.21	2544*	7.9	137970	12.50
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	33930	100.0	146884	0.97	0.0	12.00	12.00	1831	5.1	137665	13.42
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	30614	100.0	147131	1.32	0.0	13.72	13.72	1718	5.3	138470	14.79
FORT PIERCE, CITY OF																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	377	100.0	148138	1.80	0.0	10.56	10.56	4	1.1	137505	11.43
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	511	100.0	147612	2.01	0.0	11.49	11.49	10	1.9	137600	12.73
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	501	100.0	146173	2.04	0.0	11.31	11.31	9	1.8	137600	13.43
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	473	100.0	145791	1.15	0.0	14.62	14.62	1	0.3	137600	15.81
FRANKFORT LT & PWR DEPT																			
1974	60	100.0	11201	2.25	9.6	0.0	16.23	16.23	0	0.0	0	0.0	0.0	0.0	0.0	4	100.0	140000	10.53
1975	43	100.0	11300	2.90	9.5	0.0	20.07	20.07	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	45	100.0	11316	3.24	9.9	0.0	21.84	21.84	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	24	100.0	11360	3.35	9.4	0.0	23.98	23.98	0	0.0	0	0.0	0.0	0.0	0.0	2*	100.0	138800	15.98
FREMONT DEPT OF PUB UTILS																			
1974	22	100.0	10500	0.60	8.0	0.0	11.60	11.60	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	40	100.0	10400	0.68	9.0	0.0	15.27	15.27	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	197	77.8	10888	0.54	6.5	23.37	23.59	23.56	0	0.0	0	0.0	0.0	0.0	0.0	36*	100.0	92000	11.16
1977	229	7.2	11069	0.38	6.7	24.49	24.70	24.51	0	0.0	0	0.0	0.0	0.0	0.0	18*	100.0	92000	13.58
GAINESVILLE-ALACHUA COUNTY UTILS																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	636	100.0	150969	1.82	0.0	10.92	10.92	15	2.3	138082	8.29
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	988	100.0	151755	2.14	0.0	11.42	11.42	21	2.1	138486	12.83
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	1139	100.0	151788	2.24	0.0	11.07	11.07	28	2.4	138989	13.68
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	713	100.0	151659	2.31	0.0	13.01	13.01	19	2.6	137692	15.75
GARLAND MUNICIPAL POWER & LIGHT																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	72*	49.5	145103	0.39	8.53	12.20	10.35	11	13.7	138613	10.86
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	9*	100.0	144000	0.48	0.0	11.98	11.98	19	67.6	138550	11.80
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	4*	100.0	143701	0.20	0.0	11.22	11.22	11	73.4	138693	12.14
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	9*	100.0	145790	0.48	0.0	12.81	12.81	17	65.9	138693	14.56
GEORGIA POWER (SOUTHERN CO)																			
1974	9872	83.0	11832	2.24	11.2	37.35	14.83	18.67	1359	100.0	149340	2.23	0.0	8.76	8.76	1755	56.4	139997	12.31
1975	14955	71.1	11876	1.83	11.6	28.05	19.53	21.99	925	100.0	148011	2.06	0.0	10.50	10.50	1992	68.3	136000	13.11
1976	14602	88.2	11884	1.72	11.2	24.98	22.95	23.19	1164	100.0	148134	0.98	0.0	12.31	12.31	4642	79.9	135999	14.16
1977	18092	61.8	11856	1.70	11.4	29.02	24.17	26.02	950	100.0	150575	1.00	0.0	13.98	13.98	4155	81.4	135998	15.89
GLENDALE PUBLIC SERVICE DEPT																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	600	84.0	148200	0.67	11.98	12.19	12.16	21	3.4	139311	12.49
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	664	87.7	148062	0.45	12.88	14.37	14.19	48	6.7	139515	14.18
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	488	100.0	146375	0.46	0.0	14.58	14.58	24	4.7	134173	13.63
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	693	100.0	146892	0.46	0.0	15.34	15.34	343	33.1	139398	15.88

NATURAL GAS AMOUNT IN 1000 MCF	BTU CONT/ CU FT	AVERAGE PRICE IN $ PER MCF FIRM	IRPT	TOTL	% FIRM/ TOTAL	TOTAL QUANTITY DELIVERED IN BILLION BTUS COAL	OIL	GAS	TOTAL	% OF TOTAL BTUS COAL	OIL	GAS	TOTAL DELIVERED FUEL COST IN $1000 COAL	OIL	GAS	TOTAL	% OF FUEL COST COAL	OIL	GAS
EL PASO ELECTRIC																			
23802	1028	0.65	0.0	0.65	0.0	0	5740	24461	30201	0.0	19.0	81.0	0	11293	15454	26747	0.0	42.2	57.8
20969	1027	1.01	1.29	1.01	0.0	0	9027	21537	30565	0.0	29.5	70.5	0	21200	21112	42313	0.0	50.1	49.9
27239	1028	0.88	1.77	1.56	76.8	0	4245	28004	32250	0.0	13.2	86.8	0	11608	42560	54168	0.0	21.4	78.6
25451	1027	1.18	2.08	1.87	75.9	0	2728	26128	28856	0.0	9.5	90.5	0	7176	47469	54645	0.0	13.1	86.9
ELECTRIC ENERGY																			
0	0	0.0	0.0	0.0	0.0	71178	17	0	71195	100.0	0.0	0.0	43358	36	0	43393	99.9	0.1	0.0
0	0	0.0	0.0	0.0	0.0	77545	87	0	77632	99.9	0.1	0.0	71460	187	0	71647	99.7	0.3	0.0
0	0	0.0	0.0	0.0	0.0	72461	99	0	72560	99.9	0.1	0.0	69597	235	0	69832	99.7	0.3	0.0
0	0	0.0	0.0	0.0	0.0	68228	80	0	68308	99.9	0.1	0.0	72327	212	0	72539	99.7	0.3	0.0
EMPIRE DIST ELECTRIC																			
4501	1025	0.47	0.0	0.47	0.0	14638	0	4614	19252	76.0	0.0	24.0	5392	0	2097	7489	72.0	0.0	28.0
3286	1036	0.66	0.0	0.66	0.0	17301	0	3405	20706	83.6	0.0	16.4	8548	0	2173	10720	79.7	0.0	20.3
2328	1034	0.80	0.0	0.80	0.0	18535	100	2408	21043	88.1	0.5	11.4	10867	135	1868	12870	84.4	1.0	14.5
1984	1027	1.03	0.0	1.03	0.0	17874	413	2038	20325	87.9	2.0	10.0	11497	828	2048	14373	80.0	5.8	14.2
FITCHBURG GAS & ELECTRIC																			
681	1003	1.38	0.0	1.38	0.0	0	937	683	1620	0.0	57.9	42.1	0	1930	937	2867	0.0	67.3	32.7
101	1020	1.43	0.0	1.43	0.0	0	374	103	477	0.0	78.3	21.7	0	817	145	962	0.0	84.9	15.1
93	1020	1.52	0.0	1.52	0.0	0	84	95	178	0.0	46.9	53.1	0	194	141	335	0.0	58.0	42.0
12	1018	1.88	0.0	1.88	0.0	0	55	12	67	0.0	82.1	17.9	0	145	22	167	0.0	86.7	13.3
FLORIDA POWER CORP																			
15919	1048	0.56	1.52	1.41	88.3	0	103534	16687	120220	0.0	86.1	13.9	0	159921	22418	182339	0.0	87.7	12.3
19191	1033	0.67	1.55	1.46	89.9	0	120507	19833	140340	0.0	85.9	14.1	0	206561	27982	234543	0.0	88.1	11.9
17953	1018	0.0	1.51	1.51	100.0	4617	131616	18278	154511	3.0	85.2	11.8	6453	223936	27116	257505	2.5	87.0	10.5
16969	1022	0.0	1.66	1.66	100.0	21393	100131	17349	138873	15.4	72.1	12.5	31022	204977	28232	264230	11.7	77.6	10.7
FLORIDA POWER AND LIGHT																			
97324	1000	0.0	0.47	0.47	100.0	0	176386	97324	273710	0.0	64.4	35.6	0	342057	45645	387702	0.0	88.2	11.8
95551	1000	0.0	0.55	0.55	100.0	0	197649	95550	293199	0.0	67.4	32.6	0	394001	52783	446784	0.0	88.2	11.8
92149	1000	0.0	0.67	0.67	100.0	0	219905	92149	312053	0.0	70.5	29.5	0	431742	61483	493225	0.0	87.5	12.5
86976	998	0.0	0.67	0.67	100.0	0	199171	86825	285996	0.0	69.6	30.4	0	445289	58023	503312	0.0	88.5	11.5
FORT PIERCE, CITY OF																			
1395	1056	0.60	0.0	0.60	0.0	0	2371	1473	3845	0.0	61.7	38.3	0	4032	835	4867	0.0	82.9	17.1
495	1044	0.63	0.0	0.63	0.0	0	3224	517	3741	0.0	86.2	13.8	0	5993	313	6306	0.0	95.0	5.0
241	1023	0.71	0.0	0.71	0.0	0	3129	246	3375	0.0	92.7	7.3	0	5790	172	5962	0.0	97.1	2.9
1227	1025	0.95	0.0	0.95	0.0	0	2903	1258	4161	0.0	69.8	30.2	0	6936	1169	8105	0.0	85.6	14.4
FRANKFORT LT & PWR DEPT																			
0	0	0.0	0.0	0.0	0.0	1343	24	0	1367	98.3	1.7	0.0	973	43	0	1016	95.8	4.2	0.0
0	0	0.0	0.0	0.0	0.0	981	0	0	981	100.0	0.0	0.0	871	0	0	871	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	1021	0	0	1021	100.0	0.0	0.0	985	0	0	985	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	546	9	0	556	98.3	1.7	0.0	576	26	0	602	95.7	4.3	0.0
FREMONT DEPT OF PUB UTILS																			
1494	1000	0.48	0.70	0.48	0.2	460	0	1494	1953	23.5	0.0	76.5	254	0	718	972	26.1	0.0	73.9
1158	1000	0.63	0.61	0.63	7.2	832	0	1158	1990	41.8	0.0	58.2	611	0	729	1340	45.6	0.0	54.4
822	1000	0.85	0.81	0.85	1.8	4283	140	822	5245	81.7	2.7	15.7	4631	403	702	5736	80.7	7.0	12.2
346	1000	1.17	1.33	1.19	11.9	5068	69	346	5483	92.4	1.3	6.3	5610	244	412	6266	89.5	3.9	6.6
GAINESVILLE-ALACHUA COUNTY UTILS																			
3188	1057	0.57	0.0	0.57	0.0	0	4115	3370	7486	0.0	55.0	45.0	0	7060	1832	8892	0.0	79.4	20.6
1258	1044	0.60	1.60	0.60	0.0	0	6421	1313	7734	0.0	83.0	17.0	0	11558	760	12318	0.0	93.8	6.2
572	1025	0.70	1.40	0.70	0.3	0	7427	587	8013	0.0	92.7	7.3	0	12998	399	13397	0.0	97.0	3.0
3069	1027	0.93	1.89	0.93	0.0	0	4651	3151	7803	0.0	59.6	40.4	0	9577	2843	12420	0.0	77.1	22.9
GARLAND MUNICIPAL POWER & LIGHT																			
9858	1018	0.47	0.0	0.47	0.0	0	507	10031	10538	0.0	4.8	95.2	0	872	4671	5542	0.0	15.7	84.3
11544	1015	0.94	0.0	0.94	0.0	0	166	11715	11882	0.0	1.4	98.6	0	335	10841	11176	0.0	3.0	97.0
10691	1021	1.38	0.0	1.38	0.0	0	88	10920	11008	0.0	0.8	99.2	0	178	14745	14923	0.0	1.2	98.8
12611	1027	1.67	0.0	1.67	0.0	0	149	12945	13094	0.0	1.1	98.9	0	351	21017	21368	0.0	1.6	98.4
GEORGIA POWER (SOUTHERN CO)																			
33426	1029	0.54	0.0	0.54	0.0	233606	18845	34389	286840	81.4	6.6	12.0	184305	33519	17938	235761	78.2	14.2	7.6
30098	1029	0.66	0.0	0.66	0.0	355191	17129	30956	403275	88.1	4.2	7.7	328847	35833	19967	384646	85.5	9.3	5.2
3180	1029	0.91	0.0	0.91	0.0	347051	33759	3272	384082	90.4	8.8	0.9	338638	80041	2897	421576	80.3	19.0	0.7
5147	1026	1.19	0.0	1.19	0.0	428985	29743	5281	464009	92.5	6.4	1.1	470791	79314	6142	556246	84.6	14.3	1.1
GLENDALE PUBLIC SERVICE DEPT																			
1449	1055	0.57	0.0	0.57	0.0	0	3855	1529	5384	0.0	71.6	28.4	0	7552	819	8371	0.0	90.2	9.8
956	1062	0.82	0.0	0.82	0.0	0	4410	1015	5426	0.0	81.3	18.7	0	10101	787	10888	0.0	92.8	7.2
640	1062	1.27	0.0	1.27	0.0	0	3135	679	3815	0.0	82.2	17.8	0	7445	815	8259	0.0	90.1	9.9
1224	1069	1.93	0.0	1.93	0.0	0	6284	1309	7593	0.0	82.8	17.2	0	16075	2363	18439	0.0	87.2	12.8

YEAR	COAL QUAN. DELIV. 1000 TONS	COAL QUAN. DELIV. % ON CONTR	COAL AVERAGE CONTENT BTU/LB	COAL AVERAGE CONTENT SULF WT %	COAL AVERAGE CONTENT ASH WT %	COAL AVERAGE PRICE IN $ PER TON SPOT	COAL AVERAGE PRICE IN $ PER TON CONTR	COAL AVERAGE PRICE IN $ PER TON TOTAL	RESIDUAL OIL #6 QUAN. DELIV. 1000 BBLS	RESIDUAL OIL #6 QUAN. DELIV. % ON CONTR	RESIDUAL OIL #6 AV. CONTENT BTU/GAL	RESIDUAL OIL #6 AV. CONTENT SULF WT %	RESIDUAL OIL #6 AVERAGE PRICE IN $ PER BBL SPOT	RESIDUAL OIL #6 AVERAGE PRICE IN $ PER BBL CONTR	RESIDUAL OIL #6 AVERAGE PRICE IN $ PER BBL TOTAL	FUEL OIL # 2 QUAN 1000 BBLS	FUEL OIL # 2 % OF TOTAL #2+#6	FUEL OIL # 2 BTU CONT/GAL	FUEL OIL # 2 AV. PRICE $/BBL
GRAND ISLAND UTILITIES																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	212	100.0	150000	1.20	0.0	10.37	10.37	0	0.2	141000	13.54
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	193	100.0	150000	0.40	0.0	10.62	10.62	5	2.3	141000	13.55
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	214	100.0	150000	1.09	0.0	10.19	10.19	4	1.7	141000	13.48
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	147	97.2	150966	1.50	12.73	12.23	12.25	1	1.0	141000	15.54
GRAND RIVER DAM AUTHORITY																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
GREEN MOUNTAIN PWR CORP																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	10*	100.0	134470	13.72
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	47*	100.0	134470	14.46
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	26*	100.0	134470	14.37
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	12*	100.0	134470	18.19
GREENVILLE ELEC DEPT																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	24	100.0	138000	14.14
GREENWOOD UTILS																			
1975	30	0.0	12330	2.84	7.9	31.74	0.0	31.74	0	0.0	0	0.0	0.0	0.0	0.0	31	100.0	139065	12.56
1976	69	0.0	12408	2.41	7.6	29.34	0.0	29.34	0	0.0	0	0.0	0.0	0.0	0.0	10	100.0	139197	13.45
1977	75	0.0	13064	1.21	5.2	36.49	0.0	36.49	0	0.0	0	0.0	0.0	0.0	0.0	30	100.0	139144	16.12
GULF POWER																			
1974	2715*	67.3	11818	3.14	11.3	23.53	15.73	18.28	0	0.0	0	0.0	0.0	0.0	0.0	14	100.0	140500	11.61
1975	2086	70.2	11795	2.53	11.8	31.16	22.78	25.28	38	100.0	150000	2.70	0.0	10.23	10.23	36	48.8	140500	12.21
1976	3359	85.5	11937	2.51	11.3	25.70	23.87	24.13	163	100.0	150000	2.05	0.0	11.17	11.17	72	30.8	140500	12.05
1977	2489	85.5	11793	2.31	11.5	30.45	27.14	27.62	109	100.0	148560	1.50	0.0	13.65	13.65	110	50.4	140500	15.05
GULF STATES UTILITIES																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	1988*	2.6	146279	0.56	10.57	9.00	10.52	2309	53.7	137897	22.34
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	762*	0.0	146852	0.47	10.44	0.0	10.44	832	52.2	143245	11.55
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	3224	0.0	147804	0.59	10.36	0.0	10.36	965	23.0	145421	12.15
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	9899	0.0	148671	0.59	11.99	0.0	11.99	2300	18.9	141833	14.27
HAMILTON, CITY OF																			
1974	89	0.0	12142	0.87	12.5	35.79	0.0	35.79	0	0.0	0	0.0	0.0	0.0	0.0	35	100.0	137161	10.62
1975	96	0.0	12622	0.81	9.2	26.80	0.0	26.80	0	0.0	0	0.0	0.0	0.0	0.0	126	100.0	138000	12.57
1976	148	95.6	12428	0.84	9.8	23.49	24.49	24.45	0	0.0	0	0.0	0.0	0.0	0.0	598	100.0	138000	13.55
1977	198	86.5	12100	0.88	12.0	29.05	28.86	28.89	0	0.0	0	0.0	0.0	0.0	0.0	255	100.0	137007	15.22
HASTINGS UTILITIES																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	332	0.0	147897	0.33	12.04	0.0	12.04	0	0.0	0	0.0
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	57	0.0	148396	0.68	12.73	0.0	12.73	0	0.8	144361	12.76
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	624	0.0	148258	0.72	12.58	0.0	12.58	0	0.0	0	0.0
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	212	0.0	150154	0.74	11.02	0.0	11.02	0	0.0	0	0.0
HAWAIIAN ELECTRIC																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	7619	100.0	149204	0.98	0.0	4.34	4.34	0	0.0	0	0.0
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	7913	100.0	148801	0.76	0.0	9.28	9.28	13	0.2	135786	10.95
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	8767	100.0	150458	1.21	0.0	9.81	9.81	2	0.0	136071	14.73
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	9071	100.0	149622	1.22	0.0	11.63	11.63	19	0.2	135630	15.45
HENDERSON MUNICIPAL PWR & LT																			
1974	78	89.8	10506	3.48	12.1	16.69	10.95	11.54	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	66	68.2	10871	3.79	12.9	13.68	15.78	15.11	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	51	100.0	10856	4.15	13.0	0.0	13.43	13.43	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	138	40.6	10803	2.54	12.1	18.83	18.92	18.87	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
HOLLAND BOARD OF PUBLIC WKS																			
1974	116*	84.3	13253	3.27	9.5	20.47	18.62	18.91	0	0.0	0	0.0	0.0	0.0	0.0	3	100.0	137000	12.37
1975	111*	100.0	12265	3.26	8.1	0.0	29.25	29.25	0	0.0	0	0.0	0.0	0.0	0.0	25	100.0	137000	12.32
1976	125	100.0	11776	2.58	12.2	0.0	24.12	24.12	0	0.0	0	0.0	0.0	0.0	0.0	5	100.0	138000	14.27
1977	156*	88.1	12043	2.10	9.3	26.66	26.29	26.33	0	0.0	0	0.0	0.0	0.0	0.0	23	100.0	138000	16.14
HOLYOKE GAS & ELECTRIC																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	149	100.0	145332	0.90	0.0	11.70	11.70	0	0.0	0	0.0
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	80	100.0	146280	0.82	0.0	12.40	12.40	0	0.0	0	0.0
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	87	100.0	146238	0.92	0.0	12.31	12.31	0	0.0	0	0.0
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	81	100.0	145981	0.93	0.0	14.24	14.24	0	0.0	0	0.0

NATURAL GAS AMOUNT IN 1000 MCF	BTU CONT/ CU FT	AVERAGE PRICE IN $ PER MCF FIRM	IRPT	TOTL	% FIRM/ TOTAL	TOTAL QUANTITY DELIVERED IN BILLION BTUS COAL	OIL	GAS	TOTAL	% OF TOTAL BTUS COAL	OIL	GAS	TOTAL DELIVERED FUEL COST IN $1000 COAL	OIL	GAS	TOTAL	% OF FUEL COST COAL	OIL	GAS
GRAND ISLAND UTILITIES																			
2459	941	0.47	0.0	0.47	0.0	0	1340	2313	3653	0.0	36.7	63.3	0	2208	1155	3364	0.0	65.6	34.4
2222	941	0.58	0.0	0.58	0.0	0	1242	2090	3331	0.0	37.3	62.7	0	2110	1285	3395	0.0	62.1	37.9
1742	940	0.74	0.0	0.74	0.0	0	1367	1638	3005	0.0	45.5	54.5	0	2224	1286	3510	0.0	63.4	36.6
1908	949	0.88	0.0	0.88	0.0	0	943	1809	2752	0.0	34.2	65.8	0	1827	1684	3510	0.0	52.0	48.0
GRAND RIVER DAM AUTHORITY																			
5002	1025	0.50	0.0	0.50	0.0	0	0	5127	5127	0.0	0.0	100.0	0	0	2524	2524	0.0	0.0	100.0
4527	1025	0.73	0.0	0.73	0.0	0	0	4640	4640	0.0	0.0	100.0	0	0	3310	3310	0.0	0.0	100.0
4983	1025	1.10	0.0	1.10	0.0	0	0	5108	5108	0.0	0.0	100.0	0	0	5500	5500	0.0	0.0	100.0
5181	1025	1.41	0.0	1.41	0.0	0	0	5311	5311	0.0	0.0	100.0	0	0	7294	7294	0.0	0.0	100.0
GREEN MOUNTAIN PWR CORP																			
0	0	0.0	0.0	0.0	0.0	0	58	0	58	0.0	100.0	0.0	0	140	0	140	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	268	0	268	0.0	100.0	0.0	0	686	0	686	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	148	0	148	0.0	100.0	0.0	0	377	0	377	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	67	0	67	0.0	100.0	0.0	0	216	0	216	0.0	100.0	0.0
GREENVILLE ELEC DEPT																			
1159	1050	0.67	0.48	0.52	78.7	0	0	1216	1216	0.0	0.0	100.0	0	0	599	599	0.0	0.0	100.0
2430	1024	0.96	0.0	0.96	0.0	0	0	2489	2489	0.0	0.0	100.0	0	0	2336	2336	0.0	0.0	100.0
2428	1026	1.38	0.0	1.38	0.0	0	0	2492	2492	0.0	0.0	100.0	0	0	3344	3344	0.0	0.0	100.0
2205	1030	1.65	0.0	1.65	0.0	0	139	2270	2409	0.0	5.8	94.2	0	339	3632	3971	0.0	8.5	91.5
GREENWOOD UTILS																			
165	1000	0.79	0.0	0.79	0.0	728	183	165	1076	67.7	17.0	15.3	937	395	131	1462	64.1	27.0	8.9
176	1000	0.88	0.0	0.88	0.0	1710	56	176	1942	88.0	2.9	9.1	2021	129	155	2305	87.7	5.6	6.7
0	0	0.0	0.0	0.0	0.0	1949	174	0	2123	91.8	8.2	0.0	2722	479	0	3201	85.0	15.0	0.0
GULF POWER																			
5330	1201	0.0	0.62	0.62	100.0	64177	83	6403	70663	90.8	0.1	9.1	49639	164	3303	53105	93.5	0.3	6.2
9648	1000	1.67	0.98	1.13	79.4	49201	449	9648	59298	83.0	0.8	16.3	52722	823	10870	64414	81.8	1.3	16.9
6549	1188	2.13	0.61	1.49	42.2	80207	1452	7780	89439	89.7	1.6	8.7	81070	2688	9752	93511	86.7	2.9	10.4
6179	1265	2.32	0.71	1.63	42.9	58694	1332	7818	67843	86.5	2.0	11.5	68733	3149	10069	81951	83.9	3.8	12.3
GULF STATES UTILITIES																			
230967*	1046	1.40	0.24	0.38	88.0	0	25588	241662	267249	0.0	9.6	90.4	0	72517	87173	159690	0.0	45.4	54.6
210898	1044	1.73	0.33	0.50	88.1	0	9704	220281	229985	0.0	4.2	95.8	0	17558	105044	122602	0.0	14.3	85.7
216069	1045	1.70	0.31	0.61	78.6	0	25907	225785	251692	0.0	10.3	89.7	0	45125	131066	176191	0.0	25.6	74.4
200296	1037	2.00	0.42	0.59	89.3	0	75512	207723	283236	0.0	26.7	73.3	0	151475	117880	269354	0.0	56.2	43.8
HAMILTON, CITY OF																			
2013	1000	0.46	0.0	0.46	0.0	2164	199	2013	4376	49.5	4.5	46.0	3190	367	923	4480	71.2	8.2	20.6
752	1000	0.59	0.0	0.59	0.0	2432	729	752	3913	62.1	18.6	19.2	2581	1581	445	4607	56.0	34.3	9.7
876	1000	0.81	0.71	0.79	17.8	3689	3466	876	8030	45.9	43.2	10.9	3628	8102	695	12425	29.2	65.2	5.6
621	1000	1.17	0.0	1.17	0.0	4804	1467	621	6892	69.7	21.3	9.0	5734	3881	725	10340	55.5	37.5	7.0
HASTINGS UTILITIES																			
1561	940	0.47	0.0	0.47	0.0	0	2065	1468	3532	0.0	58.5	41.5	0	4003	733	4736	0.0	84.5	15.5
1484	940	0.58	0.0	0.58	0.0	0	360	1395	1755	0.0	20.5	79.5	0	735	862	1596	0.0	46.0	54.0
1165	940	0.71	0.0	0.71	0.0	0	3885	1095	4980	0.0	78.0	22.0	0	7849	823	8672	0.0	90.5	9.5
1412	940	0.89	0.0	0.89	0.0	0	1337	1328	2665	0.0	50.2	49.8	0	2337	1258	3595	0.0	65.0	35.0
HAWAIIAN ELECTRIC																			
0	0	0.0	0.0	0.0	0.0	0	47746	0	47746	0.0	100.0	0.0	0	33054	0	33054	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	49531	0	49531	0.0	100.0	0.0	0	73595	0	73595	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	55411	0	55411	0.0	100.0	0.0	0	86034	0	86034	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	57113	0	57113	0.0	100.0	0.0	0	105824	0	105824	0.0	100.0	0.0
HENDERSON MUNICIPAL PWR & LT																			
0	0	0.0	0.0	0.0	0.0	1640	0	0	1640	100.0	0.0	0.0	901	0	0	901	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	1435	0	0	1435	100.0	0.0	0.0	998	0	0	998	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	1107	0	0	1107	100.0	0.0	0.0	685	0	0	685	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	2982	0	0	2982	100.0	0.0	0.0	2603	0	0	2603	100.0	0.0	0.0
HOLLAND BOARD OF PUBLIC WKS																			
431	1030	0.60	0.0	0.60	0.0	3062	15	444	3520	87.0	0.4	12.6	2184	32	257	2473	88.3	1.3	10.4
336	1030	0.84	0.0	0.84	0.0	2730	146	346	3222	84.7	4.5	10.7	3255	312	281	3848	84.6	8.1	7.3
292	1000	1.15	0.0	1.15	0.0	2933	27	292	3252	90.2	0.8	9.0	3004	66	336	3405	88.2	1.9	9.9
2	1030	1.65	0.0	1.65	0.0	3755	135	2	3892	96.5	3.5	0.1	4105	376	4	4485	91.5	8.4	0.1
HOLYOKE GAS & ELECTRIC																			
935	1000	0.56	0.0	0.56	0.0	0	911	935	1846	0.0	49.3	50.7	0	1746	524	2269	0.0	76.9	23.1
168	1000	1.18	0.0	1.18	0.0	0	490	168	658	0.0	74.5	25.5	0	989	198	1187	0.0	83.4	16.6
155	1000	1.20	0.0	1.20	0.0	0	537	155	692	0.0	77.6	22.4	0	1076	186	1262	0.0	85.2	14.8
111	1000	2.00	0.0	2.00	0.0	0	497	111	608	0.0	81.7	18.3	0	1154	223	1376	0.0	83.8	16.2

	COAL								RESIDUAL OIL #6							FUEL OIL # 2			
	QUAN. DELIV.		AVERAGE CONTENT			AVERAGE PRICE IN $ PER TON			QUAN. DELIV.		AV. CONTENT		AVERAGE PRICE IN $ PER BBL			QUAN	% OF	BTU	AV.
YEAR	1000 TONS	% ON CONTR	BTU/ LB	SULF WT %	ASH WT %	SPOT	CONTR	TOTAL	1000 BBLS	% ON CONTR	BTU/ GAL	SULF WT %	SPOT	CONTR	TOTAL	1000 BBLS	TOTAL #2+#6	CONT/ GAL	PRICE $/BBL
HOLYOKE WATER POWER (NU)																			
1974	118	0.0	11470	2.04	14.9	28.79	0.0	28.79	1258	100.0	145272	0.99	0.0	12.14	12.14	0	0.0	0	0.0
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	1720	100.0	145873	1.00	0.0	12.07	12.07	0	0.0	0	0.0
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	1400	100.0	146885	1.00	0.0	11.95	11.95	0	0.0	0	0.0
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	1326	100.0	146652	1.00	0.0	13.65	13.65	0	0.0	0	0.0
HOOSIER ENERGY DIV-INDIANA REC																			
1974	584	0.0	10535	2.09	13.6	11.02	0.0	11.02	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	676	0.0	10735	3.08	13.1	14.89	0.0	14.89	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	692	0.0	10285	2.89	13.8	11.41	0.0	11.41	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	574	51.6	10320	3.37	15.6	11.98	11.60	11.78	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
HOUSTON LIGHTING & POWER																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	1855*	17.9	146646	0.69	9.96	12.27	10.37	955	34.0	135840	10.79
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	1102	0.0	146733	0.94	12.48	0.0	12.48	386	26.0	135840	9.81
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
IDAHO PWR CO																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	46	100.0	132142	11.78
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	8	100.0	135009	12.47
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	3	100.0	137104	16.62
ILLINOIS POWER																			
1974	5529*	94.5	10560	2.94	11.1	16.38	8.29	8.74	680	100.0	151232	1.27	0.0	13.84	13.84	470	40.9	138000	12.39
1975	6410*	89.3	10545	2.98	11.1	23.50	10.98	12.33	609	100.0	149165	0.63	0.0	12.87	12.87	487	44.4	138000	12.16
1976	7329*	75.1	10728	2.78	11.1	19.81	14.59	15.89	858	100.0	149209	0.69	0.0	12.67	12.67	421	32.9	138000	14.29
1977	6481	75.9	10668	2.55	11.2	22.53	19.75	20.42	1327	100.0	148974	0.87	0.0	13.58	13.58	654	33.0	138000	15.89
IMPERIAL IRRIGATION DIST																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	303	100.0	151500	1.40	0.0	10.50	10.50	0	0.1	141000	14.09
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	444	100.0	151500	1.37	0.0	11.85	11.85	25	5.2	141000	13.90
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	616	100.0	151077	1.16	0.0	11.79	11.79	45	6.8	141000	16.19
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	1099	100.0	151000	1.16	0.0	12.43	12.43	82	6.9	141000	16.68
INDIANA & MICHIGAN ELEC (AEP)																			
1974	3059	82.7	10716	3.30	13.1	22.31	8.14	10.59	0	0.0	0	0.0	0.0	0.0	0.0	1985	100.0	138000	10.01
1975	3181	95.3	10920	3.69	12.8	19.34	10.64	11.05	0	0.0	0	0.0	0.0	0.0	0.0	1005	100.0	137926	12.65
1976	2930	89.4	11020	3.49	12.6	17.40	13.15	13.60	0	0.0	0	0.0	0.0	0.0	0.0	735	100.0	138192	9.58
1977	3262	97.4	10911	3.75	13.0	22.37	15.30	15.49	0	0.0	0	0.0	0.0	0.0	0.0	825	100.0	137835	10.00
INDIANA-KENTUCKY ELECTRIC CORP																			
1974	3043	65.3	10668	3.67	12.7	18.63	8.08	11.74	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	4204	63.0	10560	3.36	12.0	18.71	9.98	13.21	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	4226	58.3	10860	3.47	12.4	16.61	11.08	13.39	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	3834	32.6	10750	3.81	14.0	18.40	11.10	16.02	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
INDIANAPOLIS POWER & LIGHT																			
1974	4016	98.5	10948	2.76	9.9	9.67	9.31	9.31	0	0.0	0	0.0	0.0	0.0	0.0	118	100.0	136349	10.92
1975	4621	95.6	10899	2.88	10.0	12.10	13.51	13.45	0	0.0	0	0.0	0.0	0.0	0.0	83	100.0	135807	12.09
1976	4528	100.0	10905	2.71	10.1	0.0	14.24	14.24	0	0.0	0	0.0	0.0	0.0	0.0	235	100.0	135225	13.72
1977	5099	100.0	10909	2.53	10.0	0.0	15.99	15.99	0	0.0	0	0.0	0.0	0.0	0.0	390	100.0	135596	15.64
INTERSTATE POWER																			
1974	771	92.2	10794	2.91	11.7	12.96	12.02	12.09	217	91.4	151691	2.20	14.41	11.80	12.02	13	5.7	140000	13.40
1975	958	100.0	10341	2.40	10.8	0.0	18.16	18.16	189	100.0	151425	1.68	0.0	13.93	13.93	19	9.0	140000	13.01
1976	1052	99.2	9913	2.06	10.1	18.95	19.59	19.59	159	37.5	150838	1.38	10.91	11.86	11.26	19	10.7	140000	13.16
1977	2016	96.9	9404	1.58	8.5	23.76	19.83	19.95	364	93.7	150263	1.84	12.53	14.43	14.31	200	35.4	140000	16.12
IOWA ELECTRIC LIGHT & POWER																			
1974	670	36.1	10552	1.94	9.4	20.92	12.62	17.92	0	0.0	0	0.0	0.0	0.0	0.0	2	100.0	138609	8.43
1975	847	47.3	10048	2.09	10.2	23.55	18.07	20.96	0	0.0	0	0.0	0.0	0.0	0.0	2	100.0	138478	11.20
1976	917	73.9	10304	2.09	9.3	29.84	20.74	23.12	0	0.0	0	0.0	0.0	0.0	0.0	1	100.0	138500	12.49
1977	908	75.8	10303	1.80	9.4	31.59	25.54	27.00	0	0.0	0	0.0	0.0	0.0	0.0	1	100.0	138674	12.81
IOWA-ILLINOIS GAS & ELECTRIC																			
1974	407	99.8	11014	2.53	9.1	20.64	15.68	15.69	0	0.0	0	0.0	0.0	0.0	0.0	316	100.0	137723	12.77
1975	475	100.0	10656	2.75	9.0	0.0	20.98	20.98	0	0.0	0	0.0	0.0	0.0	0.0	376	100.0	138032	13.22
1976	423	100.0	10570	2.55	7.6	0.0	19.06	19.06	0	0.0	0	0.0	0.0	0.0	0.0	60	100.0	138753	14.30
1977	295	100.0	10362	2.62	9.3	0.0	21.92	21.92	0	0.0	0	0.0	0.0	0.0	0.0	237	100.0	137584	15.54
IOWA PUBLIC SERVICE																			
1974	1256*	92.5	10136	0.61	10.7	17.57	11.25	11.72	0	0.0	0	0.0	0.0	0.0	0.0	107	100.0	137209	12.55
1975	1203	99.7	10126	0.58	10.4	30.29	15.11	15.16	0	0.0	0	0.0	0.0	0.0	0.0	28	100.0	140000	10.47
1976	2480	100.0	10147	0.64	11.1	0.0	16.22	16.22	0	0.0	0	0.0	0.0	0.0	0.0	68	100.0	140000	13.92
1977	2650	100.0	10153	0.61	11.2	0.0	19.87	19.87	0	0.0	0	0.0	0.0	0.0	0.0	177	100.0	140000	15.11

NATURAL GAS AMOUNT IN 1000 MCF	NATURAL GAS BTU CONT/ CU FT	NATURAL GAS AVERAGE PRICE IN $ PER MCF FIRM	NATURAL GAS AVERAGE PRICE IN $ PER MCF IRPT	NATURAL GAS AVERAGE PRICE IN $ PER MCF TOTL	NATURAL GAS % FIRM/ TOTAL	TOTAL QUANTITY DELIVERED IN BILLION BTUS COAL	TOTAL QUANTITY DELIVERED IN BILLION BTUS OIL	TOTAL QUANTITY DELIVERED IN BILLION BTUS GAS	TOTAL QUANTITY DELIVERED IN BILLION BTUS TOTAL	% OF TOTAL BTUS COAL	% OF TOTAL BTUS OIL	% OF TOTAL BTUS GAS	TOTAL DELIVERED FUEL COST IN $1000 COAL	TOTAL DELIVERED FUEL COST IN $1000 OIL	TOTAL DELIVERED FUEL COST IN $1000 GAS	TOTAL DELIVERED FUEL COST IN $1000 TOTAL	% OF FUEL COST COAL	% OF FUEL COST OIL	% OF FUEL COST GAS
HOLYOKE WATER POWER (NU)																			
0	0	0.0	0.0	0.0	0.0	2716	7676	0	10392	26.1	73.9	0.0	3408	15275	0	18683	18.2	81.8	0.0
0	0	0.0	0.0	0.0	0.0	0	10538	0	10538	0.0	100.0	0.0	0	20764	0	20764	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	8637	0	8637	0.0	100.0	0.0	0	16724	0	16724	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	8167	0	8167	0.0	100.0	0.0	0	18105	0	18105	0.0	100.0	0.0
HOOSIER ENERGY DIV-INDIANA REC																			
0	0	0.0	0.0	0.0	0.0	12311	0	0	12311	100.0	0.0	0.0	6439	0	0	6439	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	14518	0	0	14518	100.0	0.0	0.0	10067	0	0	10067	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	14240	0	0	14240	100.0	0.0	0.0	7898	0	0	7898	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	11843	0	0	11843	100.0	0.0	0.0	6761	0	0	6761	100.0	0.0	0.0
HOUSTON LIGHTING & POWER																			
359702	1025	0.0	0.37	0.37	100.0	0	16872	368529	385401	0.0	4.4	95.6	0	29541	132477	162018	0.0	18.2	81.8
382088	1026	0.0	0.61	0.61	100.0	0	8992	391892	400883	0.0	2.2	97.8	0	17537	234665	252203	0.0	7.0	93.0
415010	1029	0.0	0.84	0.84	100.0	0	0	427189	427189	0.0	0.0	100.0	0	0	347758	347758	0.0	0.0	100.0
469433	1033	0.0	1.09	1.09	100.0	0	0	485105	485105	0.0	0.0	100.0	0	0	513562	513562	0.0	0.0	100.0
IDAHO PWR CO																			
8	1057	0.93	0.0	0.93	0.0	0	253	9	262	0.0	96.7	3.3	0	538	8	545	0.0	98.6	1.4
18	1053	1.45	0.0	1.45	0.0	0	45	19	63	0.0	70.8	29.2	0	99	25	124	0.0	79.5	20.5
110	1059	1.60	0.0	1.60	0.0	0	0	116	116	0.0	0.0	100.0	0	0	176	176	0.0	0.0	100.0
676	1056	2.04	0.0	2.04	0.0	0	16	714	730	0.0	2.2	97.8	0	46	1382	1428	0.0	3.2	96.8
ILLINOIS POWER																			
2647	1034	0.69	0.0	0.69	0.0	116782	7045	2738	126564	92.3	5.6	2.2	48307	15239	1836	65382	73.9	23.3	2.8
2728	1032	1.03	0.0	1.03	0.0	135191	6637	2817	144645	93.5	4.6	1.9	79009	13760	2816	95585	82.7	14.4	2.9
2676	1029	1.11	0.0	1.11	0.0	157245	7818	2754	167816	93.7	4.7	1.6	116450	16890	2975	136315	85.4	12.4	2.2
235	1027	1.49	0.0	1.49	0.0	138270	12095	241	150607	91.8	8.0	0.2	132309	28413	349	161071	82.1	17.6	0.2
IMPERIAL IRRIGATION DIST																			
4378	1056	0.64	0.0	0.64	0.0	0	1934	4623	6556	0.0	29.5	70.5	0	3193	2783	5976	0.0	53.4	46.6
3645	1055	0.92	0.0	0.92	0.0	0	2973	3844	6817	0.0	43.6	56.4	0	5607	3348	8955	0.0	62.6	37.4
2843	1051	1.26	0.0	1.26	0.0	0	4175	2989	7164	0.0	58.3	41.7	0	7993	3570	11563	0.0	69.1	30.9
1587	1049	2.08	0.0	2.08	0.0	0	7456	1664	9120	0.0	81.8	18.2	0	15028	3297	18325	0.0	82.0	18.0
INDIANA & MICHIGAN ELEC (AEP)																			
0	0	0.0	0.0	0.0	0.0	65570	11507	0	77077	85.1	14.9	0.0	32402	19864	0	52266	62.0	38.0	0.0
0	0	0.0	0.0	0.0	0.0	69480	5820	0	75300	92.3	7.7	0.0	35141	12705	0	47846	73.4	26.6	0.0
0	0	0.0	0.0	0.0	0.0	64585	4268	0	68853	93.8	6.2	0.0	39845	7048	0	46892	85.0	15.0	0.0
0	0	0.0	0.0	0.0	0.0	71190	4777	0	75967	93.7	6.3	0.0	50518	8255	0	58773	86.0	14.0	0.0
INDIANA-KENTUCKY ELECTRIC CORP																			
0	0	0.0	0.0	0.0	0.0	64925	0	0	64925	100.0	0.0	0.0	35724	0	0	35724	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	88793	0	0	88793	100.0	0.0	0.0	55537	0	0	55537	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	91792	0	0	91792	100.0	0.0	0.0	56576	0	0	56576	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	82431	0	0	82431	100.0	0.0	0.0	61423	0	0	61423	100.0	0.0	0.0
INDIANAPOLIS POWER & LIGHT																			
0	0	0.0	0.0	0.0	0.0	87940	675	0	88615	99.2	0.8	0.0	37405	1287	0	38692	96.7	3.3	0.0
0	0	0.0	0.0	0.0	0.0	100729	471	0	101201	99.5	0.5	0.0	62132	999	0	63132	98.4	1.6	0.0
0	0	0.0	0.0	0.0	0.0	98758	1337	0	100094	98.7	1.3	0.0	64468	3231	0	67699	95.2	4.8	0.0
0	0	0.0	0.0	0.0	0.0	111258	2220	0	113478	98.0	2.0	0.0	81559	6095	0	87655	93.0	7.0	0.0
INTERSTATE POWER																			
5395	999	0.46	0.0	0.46	0.0	16653	1461	5387	23501	70.9	6.2	22.9	9328	2786	2481	14595	63.9	19.1	17.0
4352	999	0.61	0.0	0.61	0.0	19820	1313	4349	25482	77.8	5.2	17.1	17406	2878	2653	22936	75.9	12.5	11.6
2986	997	0.84	0.0	0.84	0.0	20854	1118	2976	24949	83.6	4.5	11.9	20603	2039	2516	25158	81.9	8.1	10.0
845	992	1.20	0.0	1.20	0.0	37921	3470	838	42229	89.8	8.2	2.0	40234	8424	1018	49676	81.0	17.0	2.0
IOWA ELECTRIC LIGHT & POWER																			
12918	1010	0.52	0.0	0.52	0.0	14132	13	13048	27193	52.0	0.0	48.0	11997	19	6756	18772	63.9	0.1	36.0
9493	1011	0.72	0.0	0.72	0.0	17019	9	9601	26628	63.9	0.0	36.1	17750	17	6875	24641	72.0	0.1	27.9
7330	1016	1.00	1.00	1.00	0.3	18906	7	7444	26357	71.7	0.0	28.2	21210	14	7302	28527	74.4	0.1	25.6
5690	1013	1.35	1.27	1.34	15.7	18705	5	5762	24472	76.4	0.0	23.5	24511	12	7614	32137	76.3	0.0	23.7
IOWA-ILLINOIS GAS & ELECTRIC																			
7230	1041	0.60	0.98	0.63	8.1	8954	1829	7529	18312	48.9	10.0	41.1	6377	4036	4545	14958	42.6	27.0	30.4
7964	1039	0.87	1.34	0.91	8.0	10123	2182	8272	20577	49.2	10.6	40.2	9965	4976	7252	22193	44.9	22.4	32.7
6874	1033	0.92	1.71	1.07	19.1	8942	348	7104	16394	54.5	2.1	43.3	8064	854	7388	16306	49.5	5.2	45.3
5962	1025	1.30	1.93	1.37	12.1	6113	1371	6111	13595	45.0	10.1	45.0	6467	3687	8187	18341	35.3	20.1	44.6
IOWA PUBLIC SERVICE																			
9629	1006	0.47	0.0	0.47	0.0	25456	615	9690	35761	71.2	1.7	27.1	14719	1339	4563	20621	71.4	6.5	22.1
8362	1000	0.63	0.0	0.63	0.0	24362	163	8364	32888	74.1	0.5	25.4	18234	289	5237	23760	76.7	1.2	22.0
3393	990	0.87	2.67	0.91	2.0	50327	400	3358	54084	93.1	0.7	6.2	40236	947	3079	44261	90.9	2.1	7.0
2045	1000	4.00	1.11	1.23	96.1	53804	1038	2045	56887	94.6	1.8	3.6	52643	2668	2506	57817	91.1	4.6	4.3

	COAL								RESIDUAL OIL #6							FUEL OIL # 2			
	QUAN. DELIV.		AVERAGE CONTENT			AVERAGE PRICE IN $ PER TON			QUAN. DELIV.		AV. CONTENT		AVERAGE PRICE IN $ PER BBL			QUAN	% OF	BTU	AV.
YEAR	1000 TONS	% ON CONTR	BTU/ LB.	SULF WT %	ASH WT %	SPOT	CONTR	TOTAL	1000 BBLS	% ON CONTR	BTU/ GAL	SULF WT %	SPOT	CONTR	TOTAL	1000 BBLS	TOTAL #2+#6	CONT/ GAL.	PRICE $/BBL
IOWA POWER & LIGHT																			
1974	852	100.0	9661	1.61	10.2	0.0	10.67	10.67	0	0.0	0	0.0	0.0	0.0	0.0	87	100.0	136079	7.77
1975	735	100.0	9695	1.90	10.6	0.0	13.26	13.26	0	0.0	0	0.0	0.0	0.0	0.0	154	100.0	135000	10.61
1976	795	100.0	9582	1.94	10.4	0.0	14.97	14.97	0	0.0	0	0.0	0.0	0.0	0.0	147	100.0	135000	13.30
1977	698	100.0	9445	1.60	10.2	0.0	15.95	15.95	0	0.0	0	0.0	0.0	0.0	0.0	112	100.0	135000	15.10
IOWA SOUTHERN UTILITIES																			
1974	589	78.5	10037	2.34	10.2	14.37	9.64	10.65	0	0.0	0	0.0	0.0	0.0	0.0	19	100.0	137402	11.81
1975	576	90.0	10057	2.45	9.2	20.06	13.74	14.37	0	0.0	0	0.0	0.0	0.0	0.0	56	100.0	137881	13.47
1976	556	99.9	10095	2.50	8.7	19.77	15.64	15.65	0	0.0	0	0.0	0.0	0.0	0.0	53	100.0	137881	13.28
1977	478	87.9	10043	2.38	8.1	18.15	16.17	16.41	0	0.0	0	0.0	0.0	0.0	0.0	56	100.0	137881	15.62
JACKSONVILLE ELECTRIC AUTHORITY																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	7838	100.0	149383	1.74	0.0	12.27	12.27	110	1.4	138373	10.83
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	8277	92.9	148531	1.76	10.80	11.52	11.46	400	4.6	139642	13.06
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	8659	95.6	149257	1.77	10.36	11.03	11.00	875	9.2	140853	13.18
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	9847	100.0	149100	1.60	0.0	13.00	13.00	905	8.4	137246	15.08
JAMESTOWN BD OF PUB UTILS																			
1974	122	0.0	12109	2.67	14.0	25.13	0.0	25.13	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	101	0.0	12192	2.28	12.6	27.97	0.0	27.97	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	108	0.0	12615	2.06	11.0	25.08	0.0	25.08	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	109	0.0	12496	2.03	11.6	25.02	0.0	25.02	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
JERSEY CENTRAL PWR & LT (GPU)																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	4968	98.7	144482	0.59	12.53	13.15	13.15	1483	23.0	138096	12.37
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	2994	100.0	143273	0.45	0.0	12.70	12.70	1230	29.1	137992	12.31
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	3104	100.0	144252	0.43	0.0	12.35	12.35	1425	31.5	136716	13.17
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	3663	88.5	144963	0.44	14.02	14.37	14.33	1708	31.8	137978	15.50
JONESBORO WTR & LT PLT																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	28*	100.0	145000	1.30	0.0	12.10	12.10	0	0.0	0	0.0
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	15*	0.0	145000	1.30	12.42	0.0	12.42	0	0.0	0	0.0
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	28*	0.0	145000	1.30	9.94	0.0	9.94	0	0.0	0	0.0
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	15*	0.0	145000	0.99	12.16	0.0	12.16	0	0.0	0	0.0
KANSAS CITY POWER & LIGHT																			
1974	4189*	91.1	9927	4.05	18.7	7.76	6.62	6.72	0	0.0	0	0.0	0.0	0.0	0.0	252	100.0	137519	12.19
1975	4479*	98.4	9694	4.06	20.7	18.88	7.94	8.12	0*	0.0	138100	0.30	12.66	0.0	12.66	698	100.0	138100	13.15
1976	5077*	92.6	10014	4.03	19.8	21.56	9.27	10.18	0	0.0	0	0.0	0.0	0.0	0.0	556	100.0	138100	12.94
1977	6824*	91.3	9657	3.27	16.2	20.09	10.29	11.14	0	0.0	0	0.0	0.0	0.0	0.0	1065	100.0	138100	15.36
KANSAS CITY BD PUB UTILS																			
1974	218*	51.1	11622	2.84	11.5	12.61	11.45	12.01	0	0.0	0	0.0	0.0	0.0	0.0	1	100.0	138000	14.28
1975	452	13.5	11467	3.42	13.6	21.33	14.54	20.42	0	0.0	0	0.0	0.0	0.0	0.0	30	100.0	138000	13.23
1976	573	31.5	12225	3.66	11.5	23.58	21.49	22.93	0	0.0	0	0.0	0.0	0.0	0.0	27	100.0	138000	12.94
1977	542	81.3	12267	2.96	11.2	24.77	23.31	23.59	0	0.0	0	0.0	0.0	0.0	0.0	76	100.0	137990	15.13
KANSAS GAS & ELECTRIC																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	432	0.0	150053	0.87	9.26	0.0	9.26	0	0.0	0	0.0
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	1453	0.0	150743	1.08	9.21	0.0	9.21	0	0.0	0	0.0
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	1598	43.6	150494	1.25	9.82	9.24	9.57	0	0.0	0	0.0
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	1571	0.0	149124	1.24	11.84	0.0	11.84	0	0.0	0	0.0
KENTUCKY POWER (AEP)																			
1974	2564	44.7	11068	1.04	15.8	28.29	13.97	21.88	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	2215	68.8	11377	1.29	14.2	20.39	17.23	18.21	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	2420	89.3	11555	1.12	13.0	18.17	18.17	18.17	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	2909	55.7	11562	1.06	13.1	25.17	19.25	21.87	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
KENTUCKY UTILITIES																			
1974	3229	64.2	10843	2.43	14.3	27.18	9.91	16.09	0	0.0	0	0.0	0.0	0.0	0.0	15	100.0	139754	10.89
1975	3392	69.1	11104	2.47	13.1	23.64	13.45	16.59	0	0.0	0	0.0	0.0	0.0	0.0	33	100.0	139806	11.92
1976	3825	69.7	11305	2.50	12.0	18.79	15.75	16.67	0	0.0	0	0.0	0.0	0.0	0.0	44	100.0	140000	13.70
1977	4093	46.8	11390	2.13	12.4	24.70	22.09	23.48	0	0.0	0	0.0	0.0	0.0	0.0	96	100.0	140000	15.90
LAKE SUPERIOR DIST POWER																			
1974	71*	17.9	10681	1.77	7.4	19.73	14.12	18.73	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	68*	14.9	10024	1.62	7.9	18.81	30.24	20.52	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	39	0.0	10361	1.62	9.8	27.85	0.0	27.85	32*	100.0	134033	0.51	0.0	13.54	13.54	0	0.0	0	0.0
1977	70	47.4	10193	1.76	10.1	26.55	27.37	26.94	19*	100.0	134033	0.51	0.0	14.25	14.25	7	26.8	133807	16.00
LAKE WORTH UTILITIES																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	2*	0.0	148000	1.70	12.38	0.0	12.38	3	59.8	140000	14.29
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	33*	0.0	148000	1.86	15.28	0.0	15.28	16	33.3	140000	14.32
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	79*	0.0	148000	1.67	14.68	0.0	14.68	5	6.3	140000	14.38
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	68*	0.0	148094	1.27	14.49	0.0	14.49	12	14.7	140000	15.53

NATURAL GAS						TOTAL QUANTITY DELIVERED							TOTAL DELIVERED FUEL COST						
AMOUNT IN 1000 MCF	BTU CONT/ CU FT	AVERAGE PRICE IN $ PER MCF FIRM	IRPT	TOTL	% FIRM/ TOTAL	IN BILLION BTUS COAL	OIL	GAS	TOTAL	% OF TOTAL BTUS COAL	OIL	GAS	IN $1000 COAL	OIL	GAS	TOTAL	% OF FUEL COST COAL	OIL	GAS
						IOWA POWER & LIGHT													
12767	996	0.45	0.0	0.45	0.0	16466	500	12721	29687	55.5	1.7	42.9	9095	679	5793	15566	58.4	4.4	37.2
11740	997	0.59	0.0	0.59	0.0	14248	876	11704	26827	53.1	3.3	43.6	9743	1638	6961	18342	53.1	8.9	38.0
3874	994	0.80	0.0	0.80	0.0	15230	832	3851	19913	76.5	4.2	19.3	11896	1953	3099	16948	70.2	11.5	18.3
474	989	1.27	0.0	1.27	0.0	13182	636	468	14287	92.3	4.5	3.3	11131	1693	602	13426	82.9	12.6	4.5
						IOWA SOUTHERN UTILITIES													
0	0	0.0	0.0	0.0	0.0	11819	107	0	11927	99.1	0.9	0.0	6272	220	0	6492	96.6	3.4	0.0
0	0	0.0	0.0	0.0	0.0	11587	325	0	11913	97.3	2.7	0.0	8278	757	0	9035	91.6	8.4	0.0
0	0	0.0	0.0	0.0	0.0	11217	309	0	11526	97.3	2.7	0.0	8693	708	0	9401	92.5	7.5	0.0
0	0	0.0	0.0	0.0	0.0	9596	325	0	9920	96.7	3.3	0.0	7839	876	0	8715	89.9	10.1	0.0
						JACKSONVILLE ELECTRIC AUTHORITY													
0	0	0.0	0.0	0.0	0.0	0	49816	0	49816	0.0	100.0	0.0	0	97376	0	97376	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	53983	0	53983	0.0	100.0	0.0	0	100124	0	100124	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	59456	0	59456	0.0	100.0	0.0	0	106778	0	106778	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	66881	0	66881	0.0	100.0	0.0	0	141608	0	141608	0.0	100.0	0.0
						JAMESTOWN BD OF PUB UTILS													
0	0	0.0	0.0	0.0	0.0	2956	0	0	2956	100.0	0.0	0.0	3068	0	0	3068	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	2459	0	0	2459	100.0	0.0	0.0	2820	0	0	2820	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	2717	0	0	2717	100.0	0.0	0.0	2701	0	0	2701	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	2736	0	0	2736	100.0	0.0	0.0	2739	0	0	2739	100.0	0.0	0.0
						JERSEY CENTRAL PWR & LT (GPU)													
1619	1024	0.75	0.0	0.75	0.0	0	38749	1657	40406	0.0	95.9	4.1	0	83653	1218	84871	0.0	98.6	1.4
712	1020	0.95	0.0	0.95	0.0	0	25145	726	25871	0.0	97.2	2.8	0	53167	675	53841	0.0	98.7	1.3
474	1030	1.13	0.0	1.13	0.0	0	26988	488	27476	0.0	98.2	1.8	0	57118	538	57656	0.0	99.1	0.9
1408	1018	1.62	0.0	1.62	0.0	0	32200	1433	33633	0.0	95.7	4.3	0	78967	2276	81242	0.0	97.2	2.8
						JONESBORO WTR & LT PLT													
132	1013	0.64	0.0	0.64	0.0	0	170	134	304	0.0	55.9	44.1	0	337	85	422	0.0	79.9	20.1
110	1013	0.74	0.0	0.74	0.0	0	94	111	205	0.0	45.9	54.1	0	192	81	273	0.0	70.4	29.6
32	1011	0.92	0.0	0.92	0.0	0	173	32	205	0.0	84.4	15.6	0	282	29	311	0.0	90.7	9.3
3	1012	1.16	0.0	1.16	0.0	0	90	3	93	0.0	96.8	3.2	0	180	3	183	0.0	98.2	1.8
						KANSAS CITY POWER & LIGHT													
15055	941	0.44	0.0	0.44	0.0	83176	1455	14165	98796	84.2	1.5	14.3	28150	3073	6686	37909	74.3	8.1	17.6
6779	955	0.56	0.0	0.56	0.0	86841	4052	6473	97366	89.2	4.2	6.6	36355	9184	3782	49321	73.7	18.6	7.7
6999	950	0.76	0.0	0.76	0.0	101687	3227	6649	111564	91.1	2.9	6.0	51713	7201	5353	64268	80.5	11.2	8.3
8424	950	1.12	0.0	1.12	0.0	131800	6180	8003	145983	90.3	4.2	5.5	76033	16362	9417	101812	74.7	16.1	9.2
						KANSAS CITY BD PUB UTILS													
16150	965	0.42	0.0	0.42	0.0	5073	6	15583	20663	24.6	0.0	75.4	2622	15	6816	9453	27.7	0.2	72.1
9780	971	0.57	0.0	0.57	0.0	10374	173	9494	20041	51.8	0.9	47.4	9236	396	5552	15184	60.8	2.6	36.6
7368	962	0.75	0.0	0.75	0.0	14022	156	7086	21263	65.9	0.7	33.3	13147	347	5558	19053	69.0	1.8	29.2
9756	971	1.06	0.0	1.06	0.0	13305	440	9469	23215	57.3	1.9	40.8	12791	1150	10352	24293	52.7	4.7	42.6
						KANSAS GAS & ELECTRIC													
55596	997	0.32	0.0	0.32	0.0	0	2723	55430	58152	0.0	4.7	95.3	0	3999	17652	21651	0.0	18.5	81.5
43574	984	0.44	0.0	0.44	0.0	0	9199	42883	52082	0.0	17.7	82.3	0	13382	19282	32663	0.0	41.0	59.0
37275	981	0.57	0.0	0.57	0.0	0	10101	36585	46685	0.0	21.6	78.4	0	15289	21062	36351	0.0	42.1	57.9
38969	979	0.94	0.0	0.94	0.0	0	9839	38134	47973	0.0	20.5	79.5	0	18596	36445	55041	0.0	33.8	66.2
						KENTUCKY POWER (AEP)													
0	0	0.0	0.0	0.0	0.0	56760	0	0	56760	100.0	0.0	0.0	56110	0	0	56110	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	50393	0	0	50393	100.0	0.0	0.0	40336	0	0	40336	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	55921	0	0	55921	100.0	0.0	0.0	43964	0	0	43964	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	67256	0	0	67256	100.0	0.0	0.0	63612	0	0	63612	100.0	0.0	0.0
						KENTUCKY UTILITIES													
1882	1030	0.93	0.0	0.93	0.0	70020	89	1938	72046	97.2	0.1	2.7	51965	161	1742	53869	96.5	0.3	3.2
46	1000	1.11	0.0	1.11	0.0	75324	194	46	75563	99.7	0.3	0.1	56280	393	51	56724	99.2	0.7	0.1
82	1000	1.28	0.0	1.28	0.0	86471	261	82	86814	99.6	0.3	0.1	63770	608	105	64483	98.9	0.9	0.2
95	1000	1.79	0.0	1.79	0.0	93238	566	95	93899	99.3	0.6	0.1	96095	1531	170	97796	98.3	1.6	0.2
						LAKE SUPERIOR DIST POWER													
1122	999	0.45	0.0	0.45	0.0	1510	0	1121	2630	57.4	0.0	42.6	1324	0	506	1829	72.4	0.0	27.6
807	999	0.59	0.0	0.59	0.0	1362	0	806	2169	62.8	0.0	37.2	1394	0	473	1868	74.7	0.0	25.3
330	996	0.78	0.0	0.78	0.0	807	177	329	1313	61.4	13.5	25.0	1084	427	256	1767	61.4	24.1	14.5
259	993	1.09	0.0	1.09	0.0	1437	147	257	1841	78.0	8.0	14.0	1899	384	282	2565	74.0	15.0	11.0
						LAKE WORTH UTILITIES													
2835	1056	0.64	0.0	0.64	0.0	0	28	2994	3022	0.0	0.9	99.1	0	64	1815	1879	0.0	3.4	96.6
2724	1043	0.68	0.0	0.68	0.0	0	302	2841	3143	0.0	9.6	90.4	0	740	1846	2586	0.0	28.6	71.4
2304	1024	0.84	0.0	0.84	0.0	0	521	2359	2880	0.0	18.1	81.9	0	1233	1936	3169	0.0	38.9	61.1
2601	1029	1.03	0.0	1.03	0.0	0	495	2676	3171	0.0	15.6	84.4	0	1174	2676	3849	0.0	30.5	69.5

	COAL								RESIDUAL OIL #6							FUEL OIL # 2			
	QUAN. DELIV.		AVERAGE CONTENT			AVERAGE PRICE IN $ PER TON			QUAN. DELIV.		AV. CONTENT		AVERAGE PRICE IN $ PER BBL			QUAN	% OF TOTAL	BTU CONT/	AV. PRICE
YEAR	1000 TONS	% ON CONTR	BTU/ LB	SULF WT %	ASH WT %	SPOT	CONTR	TOTAL	1000 BBLS	% ON CONTR	BTU/ GAL	SULF WT %	SPOT	CONTR	TOTAL	1000 BBLS	#2+#6	GAL	$/BBL
LAKELAND DEPT OF ELEC WTR UTILS																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	959	97.8	147083	2.23	10.69	10.28	10.29	6	0.6	138000	11.71
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	1433	100.0	147254	1.66	0.0	11.44	11.44	33	2.2	137942	12.42
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	1727	100.0	147875	1.40	0.0	11.75	11.75	22	1.3	137429	13.36
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	1369	100.0	147445	1.43	0.0	13.68	13.68	10	0.7	137448	14.74
LAMAR UTILS BD																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	2	100.0	145000	11.13
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
LANSING BD OF WTR & LT																			
1974	756	96.0	12107	2.88	11.9	15.18	18.72	18.58	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	978	99.6	12059	3.13	12.0	24.42	24.71	24.71	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	1043	34.5	12200	2.64	11.6	27.48	26.48	27.14	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	1275	88.9	12257	2.34	10.8	30.21	31.70	31.53	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
LEA COUNTY ELECTRIC COOP																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
LINCOLN ELECTRIC SYSTEM																			
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	26*	0.0	151268	1.92	10.80	0.0	10.80	103	80.1	137002	12.44
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	14*	0.0	152045	2.80	13.15	0.0	13.15	75	83.8	137566	14.64
LOGANSPORT INDIANA ELECTRIC DEPT																			
1974	69	100.0	11000	2.10	9.0	0.0	14.06	14.06	15*	100.0	138000	1.00	0.0	9.45	9.45	3	15.1	138000	10.50
1975	80	100.0	11340	1.70	7.9	0.0	17.83	17.83	1*	100.0	138000	1.00	0.0	10.50	10.50	20	95.7	138000	10.92
1976	82	100.0	11494	1.59	7.4	0.0	16.89	16.89	0	0.0	0	0.0	0.0	0.0	0.0	10	100.0	138000	13.58
1977	77	100.0	11435	1.61	7.4	0.0	18.90	18.90	0	0.0	0	0.0	0.0	0.0	0.0	66*	100.0	135442	15.35
LONG ISLAND LIGHTING																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	19350	100.0	148082	1.98	0.0	10.69	10.69	156	0.8	137569	13.70
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	19147	96.0	147980	1.96	9.79	10.53	10.50	2337	10.9	139755	12.04
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	19864	82.7	148736	1.85	10.69	10.47	10.51	839	4.1	138533	13.32
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	19527	100.0	149150	1.88	0.0	12.38	12.38	918	4.5	137845	15.54
LOS ANGELES DEPT OF WTR & PWR																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	11479	90.0	145959	0.46	18.24	9.11	10.02	30	0.3	138354	13.15
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	13149	99.8	145411	0.46	11.32	13.24	13.24	47	0.4	139557	13.00
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	12159	100.0	145702	0.40	0.0	14.30	14.30	0	0.0	0	0.0
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	17428	100.0	144969	0.28	0.0	15.24	15.24	0	0.0	0	0.0
LOUISIANA PWR & LT (NSU)																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	1173*	100.0	147960	1.07	0.0	10.79	10.79	989	45.7	140056	12.07
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	1475	100.0	148385	0.71	0.0	11.10	11.10	234	13.7	142853	11.45
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	5014	100.0	149069	0.86	0.0	11.02	11.02	643	11.4	140616	12.87
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	6050	100.0	146157	0.97	0.0	11.55	11.55	668	9.9	137692	14.54
LOUISVILLE GAS & ELECTRIC																			
1974	2332	88.5	11073	3.69	13.8	23.86	8.84	10.57	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	3324	91.2	11101	3.86	13.3	18.92	12.54	13.10	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	3439	90.3	10989	3.93	13.9	15.00	13.97	14.07	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	2951	86.6	10943	3.72	14.1	19.34	16.59	16.95	0	0.0	0	0.0	0.0	0.0	0.0	14	100.0	140000	17.26
LOWER COLORADO RIVER AUTHORITY																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	119	100.0	142940	10.72
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	93	100.0	142369	11.91
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	27	100.0	140420	13.92
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	71	100.0	140811	14.32
LUBBOCK PWR & LT DEPT																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	72	100.0	138000	10.62
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	16	100.0	138000	12.23
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	29	100.0	138000	12.37
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	35	100.0	138000	14.51
MADISON GAS & ELECTRIC																			
1974	96	74.9	11479	3.04	10.5	21.93	18.01	18.99	0	0.0	0	0.0	0.0	0.0	0.0	6	100.0	138000	12.82
1975	58	98.8	11773	3.51	10.4	23.26	22.86	22.87	0	0.0	0	0.0	0.0	0.0	0.0	8	100.0	138000	14.34
1976	119	96.4	11599	4.27	11.2	17.30	24.71	24.44	0	0.0	0	0.0	0.0	0.0	0.0	88	100.0	138000	14.11
1977	198	92.7	11812	3.85	10.6	14.70	28.28	27.29	0	0.0	0	0.0	0.0	0.0	0.0	143	100.0	138000	15.82

NATURAL GAS AMOUNT IN 1000 MCF	BTU CONT/ CU FT	AVERAGE PRICE IN $ PER MCF FIRM	IRPT	TOTL	% FIRM/ TOTAL	TOTAL QUANTITY DELIVERED IN BILLION BTUS COAL	OIL	GAS	TOTAL	% OF TOTAL BTUS COAL	OIL	GAS	TOTAL DELIVERED FUEL COST IN $1000 COAL	OIL	GAS	TOTAL	% OF FUEL COST COAL	OIL	GAS
LAKELAND DEPT OF ELEC WTR UTILS																			
4008	1057	0.63	0.0	0.63	0.0	0	5963	4238	10200	0.0	58.5	41.5	0	9948	2541	12490	0.0	79.7	20.3
1398	1050	0.67	0.0	0.67	0.0	0	9052	1468	10520	0.0	86.0	14.0	0	16794	931	17725	0.0	94.7	5.3
184	1023	0.73	0.0	0.73	0.0	0	10853	189	11041	0.0	98.3	1.7	0	20584	135	20719	0.0	99.3	0.7
3362	1026	1.10	0.0	1.10	0.0	0	8540	3449	11989	0.0	71.2	28.8	0	18885	3688	22573	0.0	83.7	16.3
LAMAR UTILS BD																			
225	1083	0.39	0.0	0.39	0.0	0	0	243	243	0.0	0.0	100.0	0	0	88	88	0.0	0.0	100.0
1089	1004	0.44	0.61	0.53	52.5	0	14	1094	1107	0.0	1.3	98.7	0	25	577	602	0.0	4.2	95.8
1331	986	0.62	0.67	0.65	59.5	0	0	1312	1312	0.0	0.0	100.0	0	0	868	868	0.0	0.0	100.0
1239	988	1.09	0.69	0.86	57.8	0	0	1225	1225	0.0	0.0	100.0	0	0	1064	1064	0.0	0.0	100.0
LANSING BD OF WTR & LT																			
0	0	0.0	0.0	0.0	0.0	18298	0	0	18298	100.0	0.0	0.0	14044	0	0	14044	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	23593	0	0	23593	100.0	0.0	0.0	24170	0	0	24170	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	25454	0	0	25454	100.0	0.0	0.0	28308	0	0	28308	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	31252	0	0	31252	100.0	0.0	0.0	40200	0	0	40200	100.0	0.0	0.0
LEA COUNTY ELECTRIC COOP																			
3225	1098	0.29	0.42	0.31	16.9	0	0	3541	3541	0.0	0.0	100.0	0	0	1013	1013	0.0	0.0	100.0
3630	1106	0.62	0.57	0.60	31.2	0	0	4016	4016	0.0	0.0	100.0	0	0	2191	2191	0.0	0.0	100.0
4173	1097	0.90	0.0	0.90	0.0	0	0	4577	4577	0.0	0.0	100.0	0	0	3757	3757	0.0	0.0	100.0
4130	1107	1.36	0.0	1.36	0.0	0	0	4572	4572	0.0	0.0	100.0	0	0	5633	5633	0.0	0.0	100.0
LINCOLN ELECTRIC SYSTEM																			
213	996	0.94	0.0	0.94	0.0	0	756	212	968	0.0	78.1	21.9	0	1560	200	1760	0.0	88.6	11.4
19	993	1.22	0.0	1.22	0.0	0	526	19	545	0.0	96.5	3.5	0	1290	23	1313	0.0	98.2	1.8
LOGANSPORT INDIANA ELECTRIC DEPT																			
0	0	0.0	0.0	0.0	0.0	1520	100	0	1620	93.8	6.2	0.0	971	165	0	1137	85.5	14.5	0.0
0	0	0.0	0.0	0.0	0.0	1817	122	0	1939	93.7	6.3	0.0	1428	229	0	1658	86.2	13.8	0.0
0	0	0.0	0.0	0.0	0.0	1892	58	0	1950	97.0	3.0	0.0	1390	136	0	1527	91.1	8.9	0.0
0	0	0.0	0.0	0.0	0.0	1772	375	0	2148	82.5	17.5	0.0	1465	1013	0	2478	59.1	40.9	0.0
LONG ISLAND LIGHTING																			
2992	1027	1.51	0.0	1.51	0.0	0	121247	3072	124320	0.0	97.5	2.5	0	209019	4504	213524	0.0	97.9	2.1
1178	1026	1.17	0.0	1.17	0.0	0	132719	1208	133928	0.0	99.1	0.9	0	229114	1384	230497	0.0	99.4	0.6
1149	1027	1.26	0.0	1.26	0.0	0	128971	1179	130150	0.0	99.1	0.9	0	219862	1449	221311	0.0	99.3	0.7
1920	1029	1.52	0.0	1.52	0.0	0	127638	1975	129613	0.0	98.5	1.5	0	256078	2926	259004	0.0	98.9	1.1
LOS ANGELES DEPT OF WTR & PWR																			
29257	1062	0.59	0.0	0.59	0.0	0	70544	31065	101609	0.0	69.4	30.6	0	115428	17308	132737	0.0	87.0	13.0
19464	1048	0.81	0.0	0.81	0.0	0	80578	20406	100984	0.0	79.8	20.2	0	174670	15816	190485	0.0	91.7	8.3
11641	1048	1.27	0.0	1.27	0.0	0	74407	12197	86603	0.0	85.9	14.1	0	173907	14814	188720	0.0	92.2	7.8
20721	1049	1.94	1.65	1.94	0.3	0	106114	21729	127843	0.0	83.0	17.0	0	265654	40198	305852	0.0	86.9	13.1
LOUISIANA PWR & LT (MSU)																			
168444	1044	1.54	0.31	0.31	99.3	0	13106	175881	188987	0.0	6.9	93.1	0	24591	53015	77605	0.0	31.7	68.3
174061	1046	0.0	0.37	0.37	100.0	0	10596	182125	192722	0.0	5.5	94.5	0	19047	65125	84172	0.0	22.6	77.4
171264	1057	0.0	0.42	0.42	100.0	0	35190	181034	216223	0.0	16.3	83.7	0	63531	71493	135024	0.0	47.1	52.9
156353	1043	0.0	0.39	0.39	100.0	0	41002	163144	204146	0.0	20.1	79.9	0	79582	60937	140519	0.0	56.6	43.4
LOUISVILLE GAS & ELECTRIC																			
5459	1025	0.42	0.0	0.42	0.0	51640	0	5595	57236	90.2	0.0	9.8	24643	0	2266	26909	91.6	0.0	8.4
749	1025	0.61	0.0	0.61	0.0	73802	0	768	74570	99.0	0.0	1.0	43552	0	457	44009	99.0	0.0	1.0
558	1025	0.76	0.0	0.76	0.0	75589	0	572	76161	99.2	0.0	0.8	48391	0	427	48818	99.1	0.0	0.9
579	1025	0.97	0.0	0.97	0.0	64582	83	594	65259	99.0	0.1	0.9	50027	243	563	50833	98.4	0.5	1.1
LOWER COLORADO RIVER AUTHORITY																			
24198	1004	0.95	0.84	0.84	99.7	0	716	24295	25011	0.0	2.9	97.1	0	1278	20421	21699	0.0	5.9	94.1
27284	1033	0.0	1.60	1.60	100.0	0	559	28181	28740	0.0	1.9	98.1	0	1113	43663	44776	0.0	2.5	97.5
30481	1013	0.0	1.89	1.89	100.0	0	162	30867	31028	0.0	0.5	99.5	0	381	57466	57848	0.0	0.7	99.3
28424	1007	0.0	1.98	1.98	100.0	0	418	28620	29038	0.0	1.4	98.6	0	1012	56323	57335	0.0	1.8	98.2
LUBBOCK PWR & LT DEPT																			
6957	1037	0.48	0.0	0.48	0.0	0	420	7218	7638	0.0	5.5	94.5	0	769	3320	4089	0.0	18.8	81.2
7218	1025	0.87	0.0	0.87	0.0	0	94	7398	7492	0.0	1.3	98.7	0	198	6275	6473	0.0	3.1	96.9
6897	1014	1.25	0.0	1.25	0.0	0	169	6995	7164	0.0	2.4	97.6	0	361	8590	8951	0.0	4.0	96.0
7408	1013	1.52	0.0	1.52	0.0	0	203	7502	7705	0.0	2.6	97.4	0	508	11296	11804	0.0	4.3	95.7
MADISON GAS & ELECTRIC																			
6420	1007	0.61	0.0	0.61	0.0	2199	36	6462	8697	25.3	0.4	74.3	1819	79	3894	5792	31.4	1.4	67.2
5281	1014	0.78	0.0	0.78	0.0	1377	49	5354	6781	20.3	0.7	79.0	1338	121	4098	5556	24.1	2.2	73.7
3024	1012	1.08	0.0	1.08	0.0	2772	511	3060	6343	43.7	8.1	48.2	2921	1243	3270	7434	39.3	16.7	44.0
568	1010	1.55	0.0	1.55	0.0	4675	828	573	6076	76.9	13.6	9.4	5402	2259	882	8542	63.2	26.4	10.3

	COAL								RESIDUAL OIL #6							FUEL OIL # 2			
	QUAN. DELIV.		AVERAGE CONTENT			AVERAGE PRICE			QUAN. DELIV.		AV. CONTENT		AVERAGE PRICE			QUAN.	% OF	BTU	AV.
YEAR	1000 TONS	% ON CONTR	BTU/ LB	SULF WT %	ASH WT %	IN $ PER TON SPOT	CONTR	TOTAL	1000 BBLS	% ON CONTR	BTU/ GAL	SULF WT %	IN $ PER BBL SPOT	CONTR	TOTAL	1000 BBLS	TOTAL #2+#6	CONT/ GAL	PRICE $/BBL
MANITOWOC PUBLIC UTILITIES																			
1974	138	86.2	11658	1.54	11.7	28.05	24.52	25.01	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	142	46.3	11645	1.26	12.3	31.97	35.57	33.64	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	140	0.0	12201	1.00	10.0	31.16	0.0	31.16	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	139	0.0	12076	1.00	10.8	34.37	0.0	34.37	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
MARQUETTE BD OF LT & PWR																			
1974	59	100.0	11447	2.89	9.1	0.0	17.87	17.87	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	77	100.0	12080	3.59	7.8	0.0	23.11	23.11	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	88	100.0	12149	3.57	7.0	0.0	26.73	26.73	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	117	100.0	12203	3.54	7.4	0.0	27.32	27.32	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
MARSHALL MUN UTIL																			
1974	4	100.0	10437	5.70	16.7	0.0	18.98	18.98	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	21	100.0	10490	5.45	16.1	0.0	25.77	25.77	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	10	100.0	11000	3.94	12.7	0.0	23.76	23.76	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	19	77.9	11000	3.94	12.5	24.20	24.20	24.20	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
MARSHALL UTILITIES																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	5	0.0	150000	0.88	9.33	0.0	9.33	1	9.6	130000	9.28
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	6	0.0	150000	0.76	10.18	0.0	10.18	2	25.7	130000	11.74
MARSHFIELD ELEC & WTR DEPT																			
1974	100	100.0	11982	2.87	10.8	0.0	20.10	20.10	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	93	100.0	11811	2.77	10.1	0.0	29.76	29.76	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	92	100.0	12210	2.92	8.4	0.0	31.95	31.95	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	87	100.0	11922	2.72	8.8	0.0	33.07	33.07	0	0.0	0	0.0	0.0	0.0	0.0	10	100.0	140000	16.30
MAUI ELECTRIC																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	430	100.0	151291	1.37	0.0	11.35	11.35	0	0.0	0	0.0
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	435	96.7	149845	1.66	14.30	11.43	11.52	20	4.4	137240	14.30
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	479	100.0	150760	1.79	0.0	11.00	11.00	213	30.7	137543	15.04
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	508	100.0	149663	1.97	0.0	12.51	12.51	266	34.3	137639	16.69
MCPHERSON BD OF PUB UTILS																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	15	63.2	156092	1.56	10.54	8.81	9.45	21	57.9	137000	9.14
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	13	0.0	151022	1.34	10.71	0.0	10.71	38	73.9	129200	11.13
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	16	0.0	150632	1.00	9.95	0.0	9.95	137	89.4	129205	13.07
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	92	0.0	150654	1.00	12.96	0.0	12.96	156	82.8	129200	15.04
MEDINA ELEC COOP																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	91*	100.0	144000	0.59	0.0	5.03	5.03	0	0.0	0	0.0
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	1*	100.0	144000	0.60	0.0	6.72	6.72	0	0.0	0	0.0
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	1*	100.0	144000	0.59	0.0	7.82	7.82	0	0.0	0	0.0
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	8*	100.0	144000	0.59	0.0	8.05	8.05	0	0.0	0	0.0
MENASHA ELEC & WTR UTILITIES																			
1974	63	95.9	12410	2.27	8.5	40.84	21.01	21.83	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	49	92.4	12603	2.15	7.8	36.99	26.95	27.72	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	64	100.0	12488	2.01	8.1	0.0	30.84	30.84	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	55	100.0	12763	2.00	7.7	0.0	33.47	33.47	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
METROPOLITAN EDISON (GPU)																			
1974	1610	50.7	11627	1.86	14.4	31.72	26.73	29.19	273	100.0	146238	1.30	0.0	13.96	13.96	437	61.6	137469	13.05
1975	1331	78.7	12080	1.62	11.7	35.41	32.61	33.21	7	100.0	144691	1.05	0.0	13.91	13.91	415	98.4	137385	13.35
1976	1490	59.7	12439	1.86	10.9	25.96	28.81	27.66	0	0.0	0	0.0	0.0	0.0	0.0	283	100.0	137428	14.33
1977	1700	43.3	12219	1.89	12.5	27.50	27.34	27.43	0	0.0	0	0.0	0.0	0.0	0.0	517	100.0	137035	16.00
MICHIGAN ST UNIVERSITY																			
1974	64	0.0	12180	1.21	11.9	28.69	0.0	28.69	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	67	0.0	12850	0.66	9.7	31.74	0.0	31.74	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	151	0.0	12753	0.72	8.5	29.05	0.0	29.05	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	169	0.0	12768	0.74	7.6	32.37	0.0	32.37	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
MINDEN, CITY OF																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	43	100.0	138000	12.93
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	18	100.0	138000	13.16
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	7	100.0	138000	13.78
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	6	100.0	138000	15.61
MINNESOTA POWER & LIGHT																			
1974	2287	100.0	8437	0.92	8.9	0.0	6.24	6.24	270	99.3	151296	1.53	7.14	10.91	10.88	0*	0.0	129833	8.40
1975	2460	100.0	8503	1.10	9.2	0.0	7.35	7.35	394	100.0	150685	1.49	0.0	11.54	11.54	8*	1.9	142521	8.40
1976	2760	100.0	8506	0.81	9.4	0.0	8.82	8.82	377*	100.0	150899	1.56	0.0	11.13	11.13	5*	1.3	137846	8.40
1977	2696	100.0	8407	0.88	9.5	0.0	11.32	11.32	515	100.0	150779	1.48	0.0	12.12	12.12	4*	0.7	148135	8.40

NATURAL GAS AMOUNT IN 1000 MCF	BTU CONT/ CU FT	AVERAGE PRICE IN $ PER MCF FIRM	IRPT	TOTL	% FIRM/ TOTAL	TOTAL QUANTITY DELIVERED IN BILLION BTUS COAL	OIL	GAS	TOTAL	% OF TOTAL BTUS COAL	OIL	GAS	TOTAL DELIVERED FUEL COST IN $1000 COAL	OIL	GAS	TOTAL	% OF FUEL COST COAL	OIL	GAS
MANITOWOC PUBLIC UTILITIES																			
0	0	0.0	0.0	0.0	0.0	3214	0	0	3214	100.0	0.0	0.0	3447	0	0	3447	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	3312	0	0	3312	100.0	0.0	0.0	4783	0	0	4783	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	3418	0	0	3418	100.0	0.0	0.0	4365	0	0	4365	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	3368	0	0	3368	100.0	0.0	0.0	4793	0	0	4793	100.0	0.0	0.0
MARQUETTE BD OF LT & PWR																			
245	1000	0.47	0.0	0.47	0.0	1353	0	245	1598	84.7	0.0	15.3	1056	0	116	1173	90.1	0.0	9.9
294	1000	0.64	0.0	0.64	0.0	1857	0	294	2152	86.3	0.0	13.7	1777	0	188	1965	90.4	0.0	9.6
113	1000	0.78	0.0	0.78	0.0	2147	0	113	2260	95.0	0.0	5.0	2362	0	88	2449	96.4	0.0	3.6
0	0	0.0	0.0	0.0	0.0	2851	0	0	2851	100.0	0.0	0.0	3192	0	0	3192	100.0	0.0	0.0
MARSHALL MUN UTIL																			
244	1020	0.48	0.48	0.48	26.0	80	0	249	329	24.3	0.0	75.7	73	0	117	190	38.3	0.0	61.7
576	1000	0.56	0.0	0.56	0.0	445	0	576	1021	43.6	0.0	56.4	546	0	322	868	62.9	0.0	37.1
765	1000	0.77	0.0	0.77	0.0	220	0	765	985	22.3	0.0	77.7	238	0	588	825	28.8	0.0	71.2
714	1000	1.17	0.0	1.17	0.0	424	0	714	1138	37.2	0.0	62.8	466	0	835	1301	35.8	0.0	64.2
MARSHALL UTILITIES																			
27	1000	0.64	0.0	0.64	0.0	0	32	27	59	0.0	54.4	45.6	0	48	17	66	0.0	73.6	26.4
18	1000	0.88	0.0	0.88	0.0	0	51	18	69	0.0	74.1	25.9	0	89	16	105	0.0	85.0	15.0
MARSHFIELD ELEC & WTR DEPT																			
45	1026	1.05	0.0	1.05	0.0	2405	0	47	2451	98.1	0.0	1.9	2017	0	48	2064	97.7	0.0	2.3
212	1022	0.88	0.0	0.88	0.0	2192	0	217	2408	91.0	0.0	9.0	2761	0	188	2949	93.6	0.0	6.4
268	1021	1.28	0.0	1.28	0.0	2247	0	274	2520	89.1	0.0	10.9	2939	0	344	3283	89.5	0.0	10.5
266	1022	1.89	1.83	1.88	23.0	2081	58	272	2410	86.3	2.4	11.3	2885	160	500	3545	81.4	4.5	14.1
MAUI ELECTRIC																			
0	0	0.0	0.0	0.0	0.0	0	2735	0	2735	0.0	100.0	0.0	0	4883	0	4883	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	2852	0	2852	0.0	100.0	0.0	0	5297	0	5297	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	4261	0	4261	0.0	100.0	0.0	0	8463	0	8463	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	4731	0	4731	0.0	100.0	0.0	0	10793	0	10793	0.0	100.0	0.0
MCPHERSON BD OF PUB UTILS																			
2330	950	0.32	0.0	0.32	0.0	0	224	2213	2437	0.0	9.2	90.8	0	341	745	1085	0.0	31.4	68.6
1670	950	0.40	0.0	0.40	0.0	0	291	1587	1878	0.0	15.5	84.5	0	567	666	1233	0.0	46.0	54.0
1976	950	0.80	0.0	0.80	0.0	0	848	1878	2725	0.0	31.1	68.9	0	1956	1572	3528	0.0	55.4	44.6
1786	950	1.01	0.0	1.01	0.0	0	1051	1697	2747	0.0	38.2	61.8	0	2764	1807	4571	0.0	60.5	39.5
MEDINA ELEC COOP																			
5175	1092	0.0	0.88	0.88	100.0	0	550	5652	6203	0.0	8.9	91.1	0	458	4578	5036	0.0	9.1	90.9
5301	1082	0.0	1.67	1.67	100.0	0	4	5735	5739	0.0	0.1	99.9	0	5	8847	8852	0.0	0.1	99.9
5703	1075	0.0	2.01	2.01	100.0	0	9	6131	6140	0.0	0.1	99.9	0	11	11484	11495	0.0	0.1	99.9
4775	1101	0.0	2.26	2.26	100.0	0	51	5257	5308	0.0	1.0	99.0	0	68	10772	10840	0.0	0.6	99.4
MENASHA ELEC & WTR UTILITIES																			
0	0	0.0	0.0	0.0	0.0	1569	0	0	1569	100.0	0.0	0.0	1380	0	0	1380	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	1240	0	0	1240	100.0	0.0	0.0	1363	0	0	1363	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	1597	0	0	1597	100.0	0.0	0.0	1972	0	0	1972	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	1393	0	0	1393	100.0	0.0	0.0	1826	0	0	1826	100.0	0.0	0.0
METROPOLITAN EDISON (GPU)																			
0	0	0.0	0.0	0.0	0.0	37428	4203	0	41632	89.9	10.1	0.0	46978	9521	0	56499	83.1	16.9	0.0
0	0	0.0	0.0	0.0	0.0	32152	2437	0	34589	93.0	7.0	0.0	44195	5640	0	49834	88.7	11.3	0.0
0	0	0.0	0.0	0.0	0.0	37074	1634	0	38708	95.8	4.2	0.0	41217	4057	0	45274	91.0	9.0	0.0
0	0	0.0	0.0	0.0	0.0	41536	2973	0	44509	93.3	6.7	0.0	46626	8265	0	54891	84.9	15.1	0.0
MICHIGAN ST UNIVERSITY																			
3273	1000	1.12	1.34	1.14	9.9	1569	0	3273	4842	32.4	0.0	67.6	1848	0	3729	5577	33.1	0.0	66.9
1831	1000	1.35	1.76	1.36	1.1	1731	0	1831	3561	48.6	0.0	51.4	2137	0	2480	4618	46.3	0.0	53.7
195	1000	1.93	2.06	1.95	17.0	3850	0	195	4045	95.2	0.0	4.8	4384	0	381	4766	92.0	0.0	8.0
26	1000	0.0	2.29	2.29	100.0	4327	0	26	4353	99.4	0.0	0.6	5485	0	60	5545	98.9	0.0	1.1
MINDEN, CITY OF																			
938	1030	0.55	0.0	0.55	0.0	0	247	967	1213	0.0	20.3	79.7	0	551	514	1065	0.0	51.7	48.3
889	1005	0.84	0.0	0.84	0.0	0	103	894	996	0.0	10.3	89.7	0	233	743	976	0.0	23.9	76.1
821	1000	1.05	0.0	1.05	0.0	0	39	821	860	0.0	4.6	95.4	0	93	862	955	0.0	9.8	90.2
165	1000	1.70	0.0	1.70	0.0	0	34	165	199	0.0	17.3	82.7	0	93	280	373	0.0	24.9	75.1
MINNESOTA POWER & LIGHT																			
745	1010	0.61	0.0	0.61	0.0	38585	1719	752	41056	94.0	4.2	1.8	14280	2944	457	17681	80.8	16.7	2.6
386	1012	0.80	0.0	0.80	0.0	41828	2541	390	44759	93.5	5.7	0.9	18080	4613	310	23004	78.6	20.1	1.3
414	1000	1.07	1.11	1.07	5.8	46955	2420	414	49789	94.3	4.9	0.8	24346	4243	442	29031	83.9	14.6	1.5
49	1000	1.56	2.43	1.58	2.2	45337	3286	49	48672	93.1	6.8	0.1	30524	6276	78	36878	82.8	17.0	0.2

YEAR	COAL QUAN. 1000 TONS	COAL DELIV. % ON CONTR	COAL AVERAGE CONTENT BTU/LB	COAL AVERAGE CONTENT SULF WT %	COAL AVERAGE CONTENT ASH WT %	COAL AVERAGE PRICE IN $ PER TON SPOT	COAL AVERAGE PRICE IN $ PER TON CONTR	COAL AVERAGE PRICE IN $ PER TON TOTAL	RESIDUAL OIL #6 QUAN. 1000 BBLS	RESIDUAL OIL #6 DELIV. % ON CONTR	RESIDUAL OIL #6 AV. CONTENT BTU/GAL	RESIDUAL OIL #6 AV. CONTENT SULF WT %	RESIDUAL OIL #6 AVERAGE PRICE IN $ PER BBL SPOT	RESIDUAL OIL #6 AVERAGE PRICE IN $ PER BBL CONTR	RESIDUAL OIL #6 AVERAGE PRICE IN $ PER BBL TOTAL	FUEL OIL # 2 QUAN 1000 BBLS	FUEL OIL # 2 % OF TOTAL #2+#6	FUEL OIL # 2 BTU CONT/GAL	FUEL OIL # 2 AV. PRICE $/BBL
MINNKOTA POWER COOP																			
1974	1677	100.0	6593	0.70	7.0	0.0	1.66	1.66	0	0.0	0	0.0	0.0	0.0	0.0	13	100.0	140000	11.87
1975	1517	100.0	6524	0.70	7.1	0.0	2.04	2.04	0	0.0	0	0.0	0.0	0.0	0.0	12	100.0	140000	13.03
1976	1581	100.0	6423	0.70	7.5	0.0	2.37	2.37	0	0.0	0	0.0	0.0	0.0	0.0	15	100.0	140000	14.27
1977	1530	100.0	6494	0.70	7.5	0.0	3.13	3.13	0	0.0	0	0.0	0.0	0.0	0.0	14	100.0	140000	16.02
MISSISSIPPI POWER (SOUTHERN CO)																			
1974	1535*	98.1	11527	2.93	10.0	33.54	13.91	14.29	1082*	0.0	149909	2.20	11.44	0.0	11.44	1485*	57.8	137603	11.94
1975	1531*	84.2	11614	2.66	10.0	27.68	17.42	19.04	460	100.0	150000	2.20	0.0	11.46	11.46	810*	63.8	138033	12.63
1976	1508	44.4	11607	1.89	11.3	26.35	20.17	23.61	764	100.0	150045	2.19	0.0	11.38	11.38	1547*	66.9	137264	12.91
1977	1756*	60.7	11555	2.22	12.6	28.30	21.84	24.38	2200	100.0	145736	1.14	0.0	12.63	12.63	1479*	40.2	138428	14.80
MISSISSIPPI PWR & LT (MSU)																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	2944	49.0	150385	1.90	9.79	10.00	9.90	2219	43.0	139581	12.29
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	6134	80.6	151571	2.29	10.85	10.64	10.68	877	12.5	140507	11.66
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	9506	86.0	150772	2.44	10.45	10.76	10.71	312	3.2	142414	13.28
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	13285	85.0	149242	2.48	11.32	10.88	10.95	48	0.4	139435	14.91
MISSOURI PUBLIC SERVICE																			
1974	921	100.0	11882	3.72	12.4	0.0	8.40	8.40	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	850	99.9	11956	3.75	12.6	23.09	10.20	10.20	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	930	98.9	11968	3.59	12.2	21.80	11.02	11.14	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	681	98.5	11894	3.67	12.4	22.70	12.02	12.18	0	0.0	0	0.0	0.0	0.0	0.0	50	100.0	138062	14.88
MONONGAHELA POWER (APS)																			
1974	6797	98.7	11893	2.86	15.2	39.61	15.55	15.88	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	9240	99.0	12080	2.46	14.4	27.18	22.53	22.58	0	0.0	0	0.0	0.0	0.0	0.0	37*	100.0	130425	14.13
1976	8977	91.9	12278	2.29	12.7	25.13	23.91	24.01	0	0.0	0	0.0	0.0	0.0	0.0	39*	100.0	130358	14.88
1977	9929	88.2	12055	2.14	13.6	23.09	24.41	24.25	0	0.0	0	0.0	0.0	0.0	0.0	46*	100.0	129982	17.06
MONROE, CITY OF																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	100.0	135000	13.66
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	12	100.0	137000	12.75
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	34	100.0	137000	13.55
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	10	100.0	137000	15.13
MONTANA-DAKOTA UTILITIES																			
1974	904	100.0	6795	0.63	7.3	0.0	4.10	4.10	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	727	100.0	6782	0.62	7.6	0.0	5.50	5.50	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	840	100.0	6795	0.67	7.7	0.0	6.48	6.48	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	890	100.0	6794	0.61	7.8	0.0	6.86	6.86	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
MONTAUP ELECTRIC																			
1974	148	100.0	12043	0.68	8.8	0.0	23.48	23.48	3321	96.7	145107	0.72	19.15	11.16	11.43	0	0.0	0	0.0
1975	17	100.0	11725	0.70	8.6	0.0	22.86	22.86	1408	100.0	146015	0.76	0.0	11.79	11.79	20*	1.4	133680	13.62
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	1517	100.0	144649	0.72	0.0	11.44	11.44	12*	0.8	134366	14.18
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	1149	100.0	145230	0.69	0.0	13.25	13.25	10*	0.9	134482	15.13
MOORHEAD PUB SERV DEPT																			
1974	20	100.0	7263	0.56	5.3	0.0	7.66	7.66	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	1	100.0	7100	0.56	7.2	0.0	9.83	9.83	0	0.0	0	0.0	0.0	0.0	0.0	1	100.0	140000	15.08
1977	36	100.0	7150	0.56	7.2	0.0	12.15	12.15	0	0.0	0	0.0	0.0	0.0	0.0	1	100.0	140000	16.51
MUSCATINE PWR & WTR																			
1974	225	63.0	10346	2.61	9.1	17.19	13.28	14.73	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	292	78.0	10575	3.01	9.8	27.02	13.52	16.49	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	224	100.0	10644	2.93	9.5	0.0	24.57	24.57	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	306	98.0	10909	2.76	8.9	24.59	25.19	25.18	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
NEW BEDFORD GASCED LT (NEGA)																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	497	100.0	145212	0.95	0.0	12.55	12.55	0	0.0	0	0.0
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	270	100.0	146430	0.92	0.0	12.11	12.11	0	0.0	0	0.0
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	313	100.0	147489	0.93	0.0	10.79	10.79	0	0.0	0	0.0
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	172	100.0	146501	0.94	0.0	13.28	13.28	0	0.0	0	0.0
N W ELEC POWER COOP																			
1974	24	0.0	11800	4.06	14.2	17.58	0.0	17.58	21	100.0	151870	1.91	0.0	11.10	11.10	0	0.0	0	0.0
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	5	0.0	151200	1.53	10.95	0.0	10.95	0	0.0	0	0.0
NATCHITOCHES, CITY OF																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	1	100.0	135818	12.03
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	2	100.0	140000	12.70
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	1	100.0	136146	15.08
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	6	100.0	139453	17.08

NATURAL GAS AMOUNT IN 1000 MCF	BTU CONT/ CU FT	AVERAGE PRICE IN $ PER MCF FIRM	IRPT	IOIL	% FIRM/ TOTAL	TOTAL QUANTITY DELIVERED IN BILLION BTUS COAL	OIL	GAS	TOTAL	% OF TOTAL BTUS COAL	OIL	GAS	TOTAL DELIVERED FUEL COST IN $1000 COAL	OIL	GAS	TOTAL	% OF FUEL COST COAL	OIL	GAS
MINNKOTA POWER COOP																			
0	0	0.0	0.0	0.0	0.0	22117	75	0	22192	99.7	0.3	0.0	2779	152	0	2930	94.8	5.2	0.0
0	0	0.0	0.0	0.0	0.0	19794	70	0	19864	99.6	0.4	0.0	3094	155	0	3249	95.2	4.8	0.0
0	0	0.0	0.0	0.0	0.0	20306	89	0	20395	99.6	0.4	0.0	3751	216	0	3967	94.6	5.4	0.0
0	0	0.0	0.0	0.0	0.0	19878	83	0	19961	99.6	0.4	0.0	4791	225	0	5016	95.5	4.5	0.0
MISSISSIPPI POWER (SOUTHERN CO)																			
9474	1046	0.0	0.57	0.57	100.0	35400	15395	9909	60704	58.3	25.4	16.3	21943	30120	5401	57464	38.2	52.4	9.4
8369	1030	0.0	0.68	0.68	100.0	35562	7596	8617	51775	68.7	14.7	16.6	29146	15512	5706	50363	57.9	30.8	11.3
6885	1049	0.0	0.86	0.86	100.0	35004	13739	7220	55963	62.5	24.5	12.9	35603	28678	5904	70185	50.7	40.9	8.4
9052	1056	0.0	1.22	1.22	100.0	40591	22064	9558	72212	56.2	30.6	13.2	42820	49664	11083	103567	41.3	48.0	10.7
MISSISSIPPI PWR & LT (MSU)																			
22658	1047	0.35	0.59	0.56	88.7	0	31605	23723	55327	0.0	57.1	42.9	0	56397	12729	69127	0.0	81.6	18.4
17713	1034	1.09	0.90	0.91	98.1	0	44225	18320	62545	0.0	70.7	29.3	0	75736	16070	91806	0.0	82.5	17.5
21448	1006	0.89	1.38	1.37	98.8	0	62062	21579	83641	0.0	74.2	25.8	0	105979	29380	135360	0.0	78.3	21.7
25704	1008	0.0	1.37	1.37	100.0	0	83556	25904	109460	0.0	76.3	23.7	0	146158	35312	181470	0.0	80.5	19.5
MISSOURI PUBLIC SERVICE																			
1201	1016	0.37	0.0	0.37	0.0	21887	0	1220	23107	94.7	0.0	5.3	7733	0	439	8172	94.6	0.0	5.4
939	1013	0.64	0.0	0.64	0.0	20314	0	952	21265	95.5	0.0	4.5	8669	0	601	9269	93.5	0.0	6.5
983	1010	0.79	0.0	0.79	0.0	22261	0	993	23254	95.7	0.0	4.3	10357	0	774	11131	93.0	0.0	7.0
1989	992	1.08	0.0	1.08	0.0	16200	289	1973	18462	87.7	1.6	10.7	8294	742	2138	11174	74.2	6.6	19.1
MONONGAHELA POWER (APS)																			
307*	545	0.0	0.15	0.15	100.0	161673	0	167	161841	99.9	0.0	0.1	107916	0	46	107962	100.0	0.0	0.0
317*	575	0.62	0.37	0.46	63.6	223245	201	182	223629	99.8	0.1	0.1	208615	518	146	209279	99.7	0.2	0.1
235*	683	0.68	0.0	0.68	0.0	220438	211	161	220809	99.8	0.1	0.1	215495	573	161	216230	99.7	0.3	0.1
16	1000	1.98	1.97	1.97	54.8	239388	249	16	239654	99.9	0.1	0.0	240801	779	31	241611	99.7	0.3	0.0
MONROE, CITY OF																			
5305	1000	0.0	0.58	0.58	100.0	0	1	5305	5305	0.0	0.0	100.0	0	1	3082	3083	0.0	0.0	100.0
5597	1000	0.0	1.19	1.19	100.0	0	71	5597	5668	0.0	1.3	98.7	0	157	6650	6807	0.0	2.3	97.7
5910	1000	0.0	1.42	1.42	100.0	0	194	5910	6105	0.0	3.2	96.8	0	458	8396	8853	0.0	5.2	94.8
5965	1001	0.0	2.05	2.05	100.0	0	59	5969	6027	0.0	1.0	99.0	0	154	12223	12377	0.0	1.2	98.8
MONTANA-DAKOTA UTILITIES																			
38	1016	0.39	0.0	0.39	0.0	12284	0	39	12323	99.7	0.0	0.3	3707	0	15	3722	99.6	0.0	0.4
239	1035	0.68	0.0	0.68	0.0	9857	0	248	10105	97.5	0.0	2.5	3997	0	163	4160	96.1	0.0	3.9
19	979	0.70	0.0	0.70	0.0	11418	0	19	11436	99.8	0.0	0.2	5446	0	13	5459	99.8	0.0	0.2
12	976	0.99	0.0	0.99	0.0	12088	0	11	12100	99.9	0.0	0.1	6104	0	12	6116	99.8	0.0	0.2
MONTAUP ELECTRIC																			
0	0	0.0	0.0	0.0	0.0	3576	20240	0	23815	15.0	85.0	0.0	3485	37957	0	41443	8.4	91.6	0.0
0	0	0.0	0.0	0.0	0.0	392	8744	0	9135	4.3	95.7	0.0	382	16868	0	17250	2.2	97.8	0.0
0	0	0.0	0.0	0.0	0.0	0	9280	0	9280	0.0	100.0	0.0	0	17510	0	17510	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	7064	0	7064	0.0	100.0	0.0	0	15374	0	15374	0.0	100.0	0.0
MOORHEAD PUB SERV DEPT																			
0	0	0.0	0.0	0.0	0.0	291	0	0	291	100.0	0.0	0.0	153	0	0	153	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	18	3	0	21	84.4	15.6	0.0	12	8	0	20	59.4	40.6	0.0
0	0	0.0	0.0	0.0	0.0	516	5	0	522	99.0	1.0	0.0	439	15	0	454	96.7	3.3	0.0
MUSCATINE PWR & WTR																			
901	1000	0.51	0.0	0.51	0.0	4646	0	901	5547	83.8	0.0	16.2	3307	0	459	3766	87.8	0.0	12.2
408	1000	0.69	0.0	0.69	0.0	6167	0	408	6575	93.8	0.0	6.2	4808	0	280	5088	94.5	0.0	5.5
221	1000	0.91	0.0	0.91	0.0	4777	0	221	4998	95.6	0.0	4.4	5514	0	201	5716	96.5	0.0	3.5
53	1000	1.26	0.0	1.26	0.0	6680	0	53	6733	99.2	0.0	0.8	7711	0	66	7777	99.1	0.0	0.9
NEW BEDFORD GASKED LT (NEGA)																			
387	1000	1.97	0.0	1.97	0.0	0	3031	387	3418	0.0	88.7	11.3	0	6237	764	7001	0.0	89.1	10.9
55	1000	2.02	0.0	2.02	0.0	0	1661	55	1716	0.0	96.8	3.2	0	3269	111	3380	0.0	96.7	3.3
347	1000	1.55	0.0	1.55	0.0	0	1939	347	2286	0.0	84.8	15.2	0	3379	538	3916	0.0	86.3	13.7
375	1000	1.80	0.0	1.80	0.0	0	1058	375	1433	0.0	73.8	26.2	0	2284	675	2960	0.0	77.2	22.8
N W ELEC POWER COOP																			
0	0	0.0	0.0	0.0	0.0	555	136	0	691	80.3	19.7	0.0	414	237	0	650	63.6	36.4	0.0
0	0	0.0	0.0	0.0	0.0	0	29	0	29	0.0	100.0	0.0	0	50	0	50	0.0	100.0	0.0
NATCHITOCHES, CITY OF																			
908	1035	0.74	0.0	0.74	0.0	0	6	940	947	0.0	0.7	99.3	0	13	671	684	0.0	1.9	98.1
1647	1014	1.03	0.0	1.03	0.0	0	9	1670	1679	0.0	0.5	99.5	0	19	1701	1720	0.0	1.1	98.9
2264	1012	1.34	0.0	1.34	0.0	0	5	2291	2296	0.0	0.2	99.8	0	13	3042	3056	0.0	0.4	99.6
1596	1002	1.62	0.0	1.62	0.0	0	35	1598	1633	0.0	2.1	97.9	0	101	2588	2689	0.0	3.8	96.2

	COAL								RESIDUAL OIL #6								FUEL OIL # 2			
	QUAN. DELIV.		AVERAGE CONTENT			AVERAGE PRICE			QUAN. DELIV.		AV. CONTENT		AVERAGE PRICE			QUAN	% OF	BTU	AV.
YEAR	1000 TONS	% ON CONTR	BTU/ LB	SULF WT %	ASH WT %	IN $ PER TON SPOT	CONTR	TOTAL	1000 BBLS	% ON CONTR	BTU/ GAL	SULF WT %	IN $ PER BBL SPOT	CONTR	TOTAL	1000 BBLS	TOTAL #2+#6	CONT/ GAL	PRICE $/BBL
NEBRASKA PUBLIC POWER SYS																			
1974	336	70.8	10802	1.33	10.2	16.16	16.57	16.45	48*	0.0	152819	0.92	10.80	0.0	10.80	36	42.8	142450	10.60
1975	504	69.5	10448	1.31	9.5	22.37	21.98	22.09	121*	0.0	152262	1.01	10.70	0.0	10.70	141	53.8	142264	11.56
1976	559	66.0	10129	0.45	6.5	21.46	22.33	22.03	178*	0.0	151890	1.05	9.08	0.0	9.08	68	27.8	141664	13.33
1977	806	59.3	10927	0.60	7.5	31.53	23.76	26.92	110	0.0	151900	1.27	10.86	0.0	10.86	73	40.0	141923	15.29
NEVADA POWER																			
1974	547	95.6	12512	0.50	7.0	24.16	12.28	12.80	355	100.0	146661	0.63	0.0	12.51	12.51	72	17.0	138627	13.09
1975	656	100.0	12445	0.50	7.0	0.0	19.69	19.69	589	100.0	148225	0.53	0.0	12.91	12.91	38	6.1	139783	14.54
1976	820	100.0	11963	0.54	7.8	0.0	24.22	24.22	146	100.0	147295	0.75	0.0	12.85	12.85	48	24.7	139323	13.31
1977	828	100.0	12056	0.60	9.0	0.0	26.23	26.23	62	100.0	142100	0.50	0.0	14.34	14.34	52	46.0	139320	14.77
NEW ENGLAND POWER (NEES)																			
1974	1261	100.0	11904	0.76	12.9	0.0	33.13	33.13	13466	59.8	146989	0.89	11.59	11.42	11.48	13	0.1	138255	10.86
1975	476	100.0	12189	0.83	12.0	0.0	32.20	32.20	14753	63.2	146697	0.76	11.09	11.33	11.24	72	0.5	138531	12.33
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	17756	81.3	147214	1.22	10.91	10.77	10.79	33	0.2	137719	13.69
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	18096	85.8	147545	1.03	12.28	12.75	12.68	61	0.3	136807	15.54
NEW JERSEY PWR & LT CO																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	241	100.0	146343	0.96	0.0	10.44	10.44	0	0.0	0	0.0
NEW MEXICO ELECTRIC SERVICE																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
NEW ORLEANS PUB SERV (NSU)																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	2567*	0.0	146727	0.91	10.35	0.0	10.35	2	0.1	140008	11.66
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	2560*	0.0	148536	0.78	10.87	0.0	10.87	0	0.0	0	0.0
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	2927	4.0	149045	1.03	10.98	10.32	10.95	1	0.0	138817	12.70
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	3827	0.0	147642	1.41	11.28	0.0	11.28	4	0.1	139707	14.35
NEW YORK ST ELEC & GAS																			
1974	2453	25.5	10771	2.00	20.3	23.19	11.02	20.09	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	2390	44.1	10999	1.64	19.2	25.18	17.97	22.00	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	2091	73.5	11172	1.55	19.4	21.17	21.06	21.09	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	2609	63.8	11083	1.66	19.8	21.15	22.71	22.14	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
NIAGRA-MOHAWK POWER																			
1974	3229	41.2	12325	2.51	12.1	29.69	24.76	27.66	7439	100.0	149500	2.60	0.0	10.35	10.35	30	0.4	137500	12.48
1975	2742	60.8	12721	2.13	9.7	31.36	33.56	32.70	7574	100.0	149500	2.60	0.0	11.33	11.33	92*	1.2	136625	13.55
1976	2827	66.0	12859	2.09	9.0	28.90	32.86	31.51	8097	100.0	149213	2.47	0.0	11.66	11.66	78*	1.0	136737	15.04
1977	2835	48.8	12812	1.83	9.0	31.67	35.00	33.30	11113	100.0	149110	2.42	0.0	13.30	13.30	143*	1.3	136496	15.59
NORTHERN INDIANA PUBLIC SERVICE																			
1974	3639*	66.0	10582	2.79	10.9	15.74	9.36	11.53	0	0.0	0	0.0	0.0	0.0	0.0	23	100.0	139000	10.03
1975	4590	85.7	10181	2.22	12.8	19.47	13.83	14.64	0	0.0	0	0.0	0.0	0.0	0.0	210	100.0	138999	11.83
1976	3816	96.5	10584	2.40	12.0	18.18	17.25	17.28	0	0.0	0	0.0	0.0	0.0	0.0	123	100.0	139000	13.43
1977	4927	100.0	10581	1.86	11.5	0.0	22.39	22.39	0	0.0	0	0.0	0.0	0.0	0.0	332	100.0	139191	15.77
NORTHERN MICHIGAN ELECTRIC COOP																			
1974	146	74.6	12008	2.44	11.6	44.32	21.69	27.43	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	123	56.2	12469	1.84	8.2	42.76	25.56	33.09	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	113	84.0	12590	1.60	7.8	28.46	33.03	32.30	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	131	100.0	12467	1.63	7.6	0.0	33.67	33.67	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
NORTHERN STATES POWER																			
1974	4612*	90.4	9545	1.70	9.1	9.83	9.83	9.83	73	0.0	151000	0.55	10.54	0.0	10.54	209	74.1	139139	12.27
1975	5325*	88.1	9382	1.59	10.1	14.44	12.12	12.40	78	0.0	151000	0.85	13.89	0.0	13.89	983	92.6	139713	13.40
1976	6678*	94.3	9213	1.49	10.1	17.40	12.49	12.77	140	0.0	150936	0.90	10.72	0.0	10.72	681	82.9	139064	13.24
1977	8030*	96.2	9066	1.21	9.8	18.00	12.57	12.77	79	0.0	151000	0.90	11.64	0.0	11.64	1082	93.2	138925	15.14
OHIO EDISON																			
1974	8841	36.5	11084	2.69	15.6	26.99	13.22	21.96	0	0.0	0	0.0	0.0	0.0	0.0	334	100.0	138000	13.90
1975	7946	51.3	11273	2.88	15.0	23.40	19.32	21.31	0	0.0	0	0.0	0.0	0.0	0.0	1162	100.0	138000	14.17
1976	7760	69.8	11356	3.08	14.7	19.95	20.68	20.46	0	0.0	0	0.0	0.0	0.0	0.0	1076	100.0	137513	15.09
1977	7369	51.8	11290	3.11	15.3	20.91	21.43	21.18	0	0.0	0	0.0	0.0	0.0	0.0	1150	100.0	137203	16.97
OHIO ELEC CO (AEP)																			
1974	1269	29.9	10045	2.24	16.7	33.14	27.97	31.59	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	5433	58.8	10272	2.48	15.5	20.55	23.78	22.45	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	7884	76.6	9931	2.38	14.8	15.91	22.72	21.13	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	7920	87.7	9405	1.82	12.7	16.04	22.96	22.11	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0

NATURAL GAS AMOUNT IN 1000 MCF	BTU CONT/ CU FT	AVERAGE PRICE IN $ PER MCF FIRM	IRPI	TOTL	% FIRM/ TOTAL	TOTAL QUANTITY DELIVERED IN BILLION BTUS COAL	OIL	GAS	TOTAL	% OF TOTAL BTUS COAL	OIL	GAS	TOTAL DELIVERED FUEL COST IN $1000 COAL	OIL	GAS	TOTAL	% OF FUEL COST COAL	OIL	GAS
NEBRASKA PUBLIC POWER SYS																			
12978	998	0.48	0.0	0.48	0.0	7248	527	12956	20732	35.0	2.5	62.5	5519	906	6262	12688	43.5	7.1	49.4
8729	1000	0.63	0.0	0.63	0.0	10539	1617	8732	20888	50.5	7.7	41.8	11145	2926	5484	19555	57.0	15.0	28.0
5488	1000	0.81	0.0	0.81	0.0	11315	1542	5490	18346	61.7	8.4	29.9	12305	2527	4463	19295	63.8	13.1	23.1
2754	1025	1.03	0.0	1.03	0.0	17623	1139	2823	21585	81.6	5.3	13.1	21713	2317	2850	26880	80.8	8.6	10.6
NEVADA POWER																			
11554	1085	0.0	0.66	0.66	100.0	13688	2609	12535	28832	47.5	9.0	43.5	7000	5392	7641	20032	34.9	26.9	38.1
6032	1083	0.0	0.91	0.91	100.0	16323	3895	6534	26751	61.0	14.6	24.4	12910	8166	5477	26553	48.6	30.8	20.6
7480	1081	0.0	1.13	1.13	100.0	19632	1185	8088	28905	67.9	4.1	28.0	19869	2518	8439	30826	64.5	8.2	27.4
9164	1080	0.0	1.51	1.51	100.0	19975	674	9896	30545	65.4	2.2	32.4	21731	1657	13820	37209	58.4	4.5	37.1
NEW ENGLAND POWER (NEES)																			
0	0	0.0	0.0	0.0	0.0	30022	83210	0	113232	26.5	73.5	0.0	41781	154785	0	196566	21.3	78.7	0.0
0	0	0.0	0.0	0.0	0.0	11604	91317	0	102921	11.3	88.7	0.0	15326	166738	0	182064	8.4	91.6	0.0
0	0	0.0	0.0	0.0	0.0	0	109978	0	109978	0.0	100.0	0.0	0	192089	0	192089	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	112489	0	112489	0.0	100.0	0.0	0	230390	0	230390	0.0	100.0	0.0
NEW JERSEY PWR & LT CO																			
162	1030	0.85	0.0	0.85	0.0	0	1481	167	1648	0.0	89.9	10.1	0	2515	138	2653	0.0	94.8	5.2
NEW MEXICO ELECTRIC SERVICE																			
5757	1059	0.45	0.0	0.45	0.0	0	0	6096	6096	0.0	0.0	100.0	0	0	2610	2610	0.0	0.0	100.0
5690	1055	0.59	0.0	0.59	0.0	0	0	6002	6002	0.0	0.0	100.0	0	0	3334	3334	0.0	0.0	100.0
6538	1055	0.98	0.0	0.98	0.0	0	0	6897	6897	0.0	0.0	100.0	0	0	6382	6382	0.0	0.0	100.0
7598	1049	1.41	0.0	1.41	0.0	0	0	7971	7971	0.0	0.0	100.0	0	0	10730	10730	0.0	0.0	100.0
NEW ORLEANS PUB SERV (MSU)																			
18892	1080	0.0	0.27	0.27	100.0	0	15832	20405	36237	0.0	43.7	56.3	0	26605	5088	31692	0.0	83.9	16.1
11290	1082	0.0	0.97	0.97	100.0	0	15971	12216	28187	0.0	56.7	43.3	0	27815	10992	38807	0.0	71.7	28.3
8597	1073	0.95	1.45	1.39	89.1	0	18328	9225	27553	0.0	66.5	33.5	0	32075	11982	44056	0.0	72.8	27.2
16442	1071	1.73	1.82	1.81	87.2	0	23753	17605	41359	0.0	57.4	42.6	0	43240	29734	72975	0.0	59.3	40.7
NEW YORK ST ELEC & GAS																			
0	0	0.0	0.0	0.0	0.0	52841	0	0	52841	100.0	0.0	0.0	49273	0	0	49273	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	52573	0	0	52573	100.0	0.0	0.0	52574	0	0	52574	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	46720	0	0	46720	100.0	0.0	0.0	44095	0	0	44095	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	57836	0	0	57836	100.0	0.0	0.0	57777	0	0	57777	100.0	0.0	0.0
NIAGRA-MOHAWK POWER																			
0	0	0.0	0.0	0.0	0.0	79596	46883	0	126479	62.9	37.1	0.0	89316	77381	0	166697	53.6	46.4	0.0
0	0	0.0	0.0	0.0	0.0	69764	48085	0	117849	59.2	40.8	0.0	89655	87055	0	176710	50.7	49.3	0.0
0	0	0.0	0.0	0.0	0.0	72706	51192	0	123898	58.7	41.3	0.0	89078	95618	0	184696	48.2	51.8	0.0
0	0	0.0	0.0	0.0	0.0	72646	70416	0	143062	50.8	49.2	0.0	94392	150034	0	244425	38.6	61.4	0.0
NORTHERN INDIANA PUBLIC SERVICE																			
9152	1000	0.59	0.59	0.59	47.4	77010	135	9152	86298	89.2	0.2	10.6	41957	233	5363	47552	88.2	0.5	11.3
9975	1000	0.77	1.00	0.82	19.7	93465	1224	9975	104664	89.3	1.2	9.5	67193	2481	8133	77807	86.4	3.2	10.5
2128	1000	1.14	1.15	1.15	94.6	80777	717	2128	83621	96.6	0.9	2.5	65945	1649	2447	70041	94.2	2.4	3.5
295	1000	1.60	1.54	1.54	97.4	104264	1939	295	106498	97.9	1.8	0.3	110331	5231	455	116017	95.1	4.5	0.4
NORTHERN MICHIGAN ELECTRIC COOP																			
0	0	0.0	0.0	0.0	0.0	3500	0	0	3500	100.0	0.0	0.0	3998	0	0	3998	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	3073	0	0	3073	100.0	0.0	0.0	4077	0	0	4077	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	2849	0	0	2849	100.0	0.0	0.0	3655	0	0	3655	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	3278	0	0	3278	100.0	0.0	0.0	4426	0	0	4426	100.0	0.0	0.0
NORTHERN STATES POWER																			
21100*	982	0.45	0.0	0.45	0.0	88039	1684	20726	110449	79.7	1.5	18.8	45344	3335	9546	58225	77.9	5.7	16.4
11384*	974	0.60	0.0	0.60	0.0	99916	6263	11087	117266	85.2	5.3	9.5	66014	14252	6880	87147	75.8	16.4	7.9
5598*	952	0.77	0.28	0.77	1.3	123042	4863	5328	133234	92.4	3.7	4.0	85267	10512	4298	100077	85.2	10.5	4.3
468*	801	1.10	0.26	0.78	38.2	145600	6814	375	152789	95.3	4.5	0.2	102562	17300	364	120226	85.3	14.4	0.3
OHIO EDISON																			
0	0	0.0	0.0	0.0	0.0	195978	1938	0	197916	99.0	1.0	0.0	194144	4649	0	198793	97.7	2.3	0.0
0	0	0.0	0.0	0.0	0.0	179151	6733	0	185884	96.4	3.6	0.0	169307	16461	0	185768	91.1	8.9	0.0
0	0	0.0	0.0	0.0	0.0	176238	6213	0	182451	96.6	3.4	0.0	158757	16235	0	174992	90.7	9.3	0.0
0	0	0.0	0.0	0.0	0.0	166394	6625	0	173019	96.2	3.8	0.0	156086	19506	0	175592	88.9	11.1	0.0
OHIO ELEC CO (AEP)																			
0	0	0.0	0.0	0.0	0.0	25503	0	0	25503	100.0	0.0	0.0	40105	0	0	40105	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	111620	0	0	111620	100.0	0.0	0.0	121973	0	0	121973	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	156591	0	0	156591	100.0	0.0	0.0	166550	0	0	166550	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	148978	0	0	148978	100.0	0.0	0.0	175099	0	0	175099	100.0	0.0	0.0

YEAR	COAL QUAN. 1000 TONS	COAL DELIV. % ON CONTR	COAL AVERAGE CONTENT BTU/LB	COAL AVERAGE CONTENT SULF WT %	COAL AVERAGE CONTENT ASH WT %	COAL AVERAGE PRICE IN $ PER TON SPOT	COAL AVERAGE PRICE IN $ PER TON CONTR	COAL AVERAGE PRICE IN $ PER TON TOTAL	RESIDUAL OIL #6 QUAN. 1000 BBLS	RESIDUAL OIL #6 DELIV. % ON CONTR	RESIDUAL OIL #6 AV. CONTENT BTU/GAL	RESIDUAL OIL #6 AV. CONTENT SULF WT %	RESIDUAL OIL #6 AVERAGE PRICE IN $ PER BBL SPOT	RESIDUAL OIL #6 AVERAGE PRICE IN $ PER BBL CONTR	RESIDUAL OIL #6 AVERAGE PRICE IN $ PER BBL TOTAL	FUEL OIL # 2 QUAN 1000 BBLS	FUEL OIL # 2 % OF TOTAL #2+#6	FUEL OIL # 2 BTU CONT/GAL	FUEL OIL # 2 AV. PRICE $/BBL
OHIO POWER (AEP)																			
1974	9387	76.8	10994	4.17	17.4	15.98	10.80	12.00	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	8581*	82.0	10919	4.01	18.1	21.58	16.41	17.34	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	9196	95.7	10952	3.89	17.9	16.54	17.21	17.18	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	9771*	77.1	10974	3.93	17.6	17.15	20.61	19.82	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
OHIO VALLEY ELECTRIC COOP																			
1974	2836	67.7	11181	3.87	14.6	20.83	10.17	13.62	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	3345	54.6	11167	4.17	14.7	18.93	10.91	14.55	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	3183	51.0	11107	4.28	15.0	17.36	11.18	14.20	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	3519	42.0	10973	4.03	15.4	16.29	12.66	14.77	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
OKLAHOMA GAS & ELECTRIC																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	9	0.0	152043	0.89	10.43	0.0	10.43	38*	80.5	140638	9.88
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	70	0.0	150085	1.19	9.16	0.0	9.16	4*	5.9	143969	7.40
1976	599	100.0	8274	0.39	5.4	0.0	16.18	16.18	31	0.0	147735	0.87	9.46	0.0	9.46	6*	17.4	155481	7.97
1977	1920	100.0	8401	0.36	5.4	0.0	18.07	18.07	0	0.0	0	0.0	0.0	0.0	0.0	3*	100.0	155481	8.21
OMAHA PUBLIC POWER DISTRICT																			
1974	1009	98.9	10568	0.77	8.5	17.92	11.60	11.67	0	0.0	0	0.0	0.0	0.0	0.0	17	100.0	136853	7.91
1975	965	92.5	10495	0.71	9.5	19.33	16.18	16.42	0	0.0	0	0.0	0.0	0.0	0.0	40	100.0	137501	8.47
1976	1097	58.5	10470	0.73	9.3	21.03	14.77	17.37	0	0.0	0	0.0	0.0	0.0	0.0	83	100.0	138145	13.91
1977	1280	54.9	10413	0.74	9.1	22.66	16.29	19.16	0	0.0	0	0.0	0.0	0.0	0.0	86	100.0	138149	15.26
OPELOUSAS MUNI ELEC DEPT																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
ORANGE & ROCKLAND UTILITIES																			
1974	79	0.0	11767	2.29	14.9	28.21	0.0	28.21	9324	82.1	144505	0.38	13.05	14.52	14.26	37*	0.4	138702	11.92
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	11502	100.0	143833	0.31	0.0	12.94	12.94	37*	0.3	126710	14.07
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	9985	99.4	144727	0.32	12.18	12.42	12.42	5*	0.0	126581	15.54
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	10777	95.2	145129	0.30	13.75	14.14	14.12	17*	0.2	126045	16.00
ORLANDO UTILITIES COMM																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	3974	97.9	147795	1.86	10.59	10.34	10.35	7*	0.2	134283	11.59
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	4126	100.0	148446	1.77	0.0	11.42	11.42	9*	0.2	120592	13.25
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	3938	100.0	148891	1.66	0.0	11.36	11.36	30*	0.8	127430	13.79
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	2930	100.0	149375	1.71	0.0	13.47	13.47	9*	0.3	121672	15.07
ORRVILLE MUNICIPAL UTILITIES																			
1974	103	100.0	11500	3.50	9.5	0.0	7.19	7.19	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	103	100.0	11500	3.50	9.5	0.0	12.70	12.70	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	106	100.0	11500	3.50	9.5	0.0	18.40	18.40	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	117	100.0	11500	3.50	9.5	0.0	18.40	18.40	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
OTTER TAIL POWER																			
1974	687	100.0	7042	0.76	6.7	0.0	6.32	6.32	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	2289	100.0	6341	0.76	7.2	0.0	6.40	6.40	0	0.0	0	0.0	0.0	0.0	0.0	92	100.0	140000	13.44
1976	3129	100.0	6351	0.79	6.9	0.0	6.98	6.98	0	0.0	0	0.0	0.0	0.0	0.0	21	100.0	140000	15.10
1977	2949	100.0	6345	0.80	7.5	0.0	7.43	7.43	0	0.0	0	0.0	0.0	0.0	0.0	26	100.0	140000	17.88
OWATONNA PUBLIC UTILITIES																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	49	60.2	150000	3.50	10.79	13.47	12.40	0	0.0	0	0.0
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	96	100.0	150000	3.50	0.0	12.11	12.11	0	0.0	0	0.0
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	143	100.0	150000	3.50	0.0	10.20	10.20	0	0.0	0	0.0
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	200	100.0	149999	1.73	0.0	12.41	12.41	0	0.0	0	0.0
OWENSBORO MUNICIPAL UTILITIES																			
1974	922	94.4	10617	3.23	12.9	21.92	11.46	12.05	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	1026	90.0	10536	3.53	12.6	21.65	18.67	18.96	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	1126	100.0	10323	3.61	13.2	0.0	15.86	15.86	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	1200	100.0	10473	2.89	12.9	0.0	16.15	16.15	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
PACIFIC GAS & ELECTRIC																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	14466*	100.0	146938	0.46	0.0	13.03	13.03	0	0.0	0	0.0
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	13447	100.0	146568	0.42	0.0	16.08	16.08	0	0.0	0	0.0
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	27250	100.0	146829	0.47	0.0	14.05	14.05	280*	1.0	133676	14.45
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	37359*	100.0	146662	0.45	0.0	14.35	14.35	599*	1.6	138459	15.08
PACIFIC POWER & LIGHT																			
1974	7183	96.4	7912	0.64	13.6	1.73	4.44	4.34	0	0.0	0	0.0	0.0	0.0	0.0	99	100.0	132606	12.66
1975	9281	100.0	7979	0.54	13.7	0.0	5.88	5.88	0	0.0	0	0.0	0.0	0.0	0.0	76	100.0	135000	12.01
1976	9748	100.0	8380	0.54	12.5	0.0	7.16	7.16	0	0.0	0	0.0	0.0	0.0	0.0	102	100.0	136722	12.74
1977	12718	98.0	8410	0.55	12.8	2.94	7.29	7.20	0	0.0	0	0.0	0.0	0.0	0.0	51	100.0	132900	14.19

NATURAL GAS: AMOUNT IN 1000 MCF	BTU CONT/ CU FT	AVERAGE PRICE IN $ PER MCF: FIRM	IRPI	TOTL	% FIRM/ TOTAL	TOTAL QUANTITY DELIVERED IN BILLION BTUS: COAL	OIL	GAS	TOTAL	% OF TOTAL BTUS: COAL	OIL	GAS	TOTAL DELIVERED FUEL COST IN $1000: COAL	OIL	GAS	TOTAL	% OF FUEL COST: COAL	OIL	GAS
OHIO POWER (AEP)																			
0	0	0.0	0.0	0.0	0.0	206385	0	0	206385	100.0	0.0	0.0	112648	0	0	112648	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	187393	0	0	187393	100.0	0.0	0.0	148818	0	0	148818	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	201443	0	0	201443	100.0	0.0	0.0	158029	0	0	158029	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	214459	0	0	214459	100.0	0.0	0.0	193660	0	0	193660	100.0	0.0	0.0
OHIO VALLEY ELECTRIC COOP																			
0	0	0.0	0.0	0.0	0.0	63418	0	0	63418	100.0	0.0	0.0	38622	0	0	38622	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	74705	0	0	74705	100.0	0.0	0.0	48676	0	0	48676	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	70707	0	0	70707	100.0	0.0	0.0	45209	0	0	45209	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	77229	0	0	77229	100.0	0.0	0.0	51971	0	0	51971	100.0	0.0	0.0
OKLAHOMA GAS & ELECTRIC																			
152137	1035	0.52	0.37	0.38	98.5	0	284	157450	157735	0.0	0.2	99.8	0	474	57291	57764	0.0	0.8	99.2
159067	1034	0.82	0.58	0.58	99.1	0	467	164445	164912	0.0	0.3	99.7	0	673	92774	93447	0.0	0.7	99.3
166680	1037	1.19	1.04	1.05	99.4	9909	233	172771	182912	5.4	0.1	94.5	9690	342	174208	184240	5.3	0.2	94.6
168211	1037	1.51	1.28	1.29	99.3	32254	21	174437	206711	15.6	0.0	84.4	34694	26	216203	250924	13.8	0.0	86.2
OMAHA PUBLIC POWER DISTRICT																			
16128	1000	0.49	0.0	0.49	0.0	21325	98	16126	37549	56.8	0.3	42.9	11770	134	7831	19736	59.6	0.7	39.7
13398	1000	0.63	0.0	0.63	0.0	20256	231	13394	33881	59.8	0.7	39.5	15842	339	8407	24588	64.4	1.4	34.2
1968	984	0.86	0.0	0.86	0.0	22970	481	1938	25389	90.5	1.9	7.6	19049	1153	1694	21895	87.0	5.3	7.7
92	991	1.23	0.0	1.23	0.0	26650	498	91	27239	97.8	1.8	0.3	24518	1310	113	25940	94.5	5.0	0.4
OPELOUSAS MUNI ELEC DEPT																			
1162	1000	0.72	0.52	0.55	86.3	0	0	1162	1162	0.0	0.0	100.0	0	0	638	638	0.0	0.0	100.0
1307	1000	0.96	0.0	0.96	0.0	0	0	1307	1307	0.0	0.0	100.0	0	0	1250	1250	0.0	0.0	100.0
1228	1000	1.24	0.0	1.24	0.0	0	0	1228	1228	0.0	0.0	100.0	0	0	1520	1520	0.0	0.0	100.0
1467	1000	1.94	0.0	1.94	0.0	0	0	1467	1467	0.0	0.0	100.0	0	0	2851	2851	0.0	0.0	100.0
ORANGE & ROCKLAND UTILITIES																			
6562	1028	0.57	0.0	0.57	0.0	1862	56806	6748	65416	2.8	86.8	10.3	2232	133370	3723	139325	1.6	95.7	2.7
2965	1026	0.83	0.0	0.83	0.0	0	69682	3042	72724	0.0	95.8	4.2	0	149380	2456	151836	0.0	98.4	1.6
1973	1027	1.04	0.0	1.04	0.0	0	60720	2025	62745	0.0	96.8	3.2	0	124089	2049	126138	0.0	98.4	1.6
1027	1026	1.44	0.0	1.44	0.0	0	65778	1054	66833	0.0	98.4	1.6	0	152413	1475	153887	0.0	99.0	1.0
ORLANDO UTILITIES COMM																			
7285	1053	0.55	0.0	0.55	0.0	0	24709	7667	32377	0.0	76.3	23.7	0	41200	4026	45226	0.0	91.1	8.9
2091	1050	0.59	0.0	0.59	0.0	0	25773	2196	27969	0.0	92.2	7.8	0	47247	1226	48473	0.0	97.5	2.5
985	1025	0.71	0.0	0.71	0.0	0	24788	1010	25797	0.0	96.1	3.9	0	45157	700	45857	0.0	98.5	1.5
5483	1026	0.99	0.0	0.99	0.0	0	18425	5624	24049	0.0	76.6	23.4	0	39600	5441	45041	0.0	87.9	12.1
ORRVILLE MUNICIPAL UTILITIES																			
0	0	0.0	0.0	0.0	0.0	2360	0	0	2360	100.0	0.0	0.0	738	0	0	738	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	2360	0	0	2360	100.0	0.0	0.0	1303	0	0	1303	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	2436	0	0	2436	100.0	0.0	0.0	1949	0	0	1949	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	2698	0	0	2698	100.0	0.0	0.0	2158	0	0	2158	100.0	0.0	0.0
OTTER TAIL POWER																			
0	0	0.0	0.0	0.0	0.0	9680	0	0	9680	100.0	0.0	0.0	4340	0	0	4340	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	29024	540	0	29564	98.2	1.8	0.0	14655	1234	0	15889	92.2	7.8	0.0
0	0	0.0	0.0	0.0	0.0	39745	123	0	39868	99.7	0.3	0.0	21853	317	0	22170	98.6	1.4	0.0
0	0	0.0	0.0	0.0	0.0	37431	152	0	37583	99.6	0.4	0.0	21913	463	0	22376	97.9	2.1	0.0
OWATONNA PUBLIC UTILITIES																			
1773	1000	0.48	0.0	0.48	0.0	0	309	1773	2082	0.0	14.8	85.2	0	608	844	1452	0.0	41.9	58.1
1021	1000	0.60	0.0	0.60	0.0	0	604	1021	1625	0.0	37.2	62.8	0	1162	617	1779	0.0	65.3	34.7
737	1000	0.80	0.0	0.80	0.0	0	901	737	1638	0.0	55.0	45.0	0	1460	590	2050	0.0	71.2	28.8
322	1000	1.07	0.0	1.07	0.0	0	1263	322	1585	0.0	79.7	20.3	0	2487	345	2831	0.0	87.8	12.2
OWENSBORO MUNICIPAL UTILITIES																			
0	0	0.0	0.0	0.0	0.0	19576	0	0	19576	100.0	0.0	0.0	11108	0	0	11108	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	21617	0	0	21617	100.0	0.0	0.0	19456	0	0	19456	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	23248	0	0	23248	100.0	0.0	0.0	17858	0	0	17858	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	25146	0	0	25146	100.0	0.0	0.0	19385	0	0	19385	100.0	0.0	0.0
PACIFIC GAS & ELECTRIC																			
138811*	1071	0.66	0.0	0.66	0.0	0	89277	148664	237941	0.0	37.5	62.5	0	188476	91497	279973	0.0	67.3	32.7
166860*	1069	1.25	0.0	1.25	0.0	0	82777	178398	261176	0.0	31.7	68.3	0	216284	208353	424637	0.0	50.9	49.1
203968	1067	1.79	0.0	1.79	0.0	0	169617	217545	387162	0.0	43.8	56.2	0	386934	364379	751313	0.0	51.5	48.5
230147*	1065	2.34	0.0	2.34	0.0	0	233606	245197	478803	0.0	48.8	51.2	0	545152	538880	1084031	0.0	50.3	49.7
PACIFIC POWER & LIGHT																			
879	1040	0.77	0.0	0.77	0.0	113654	549	914	115117	98.7	0.5	0.8	31181	1248	681	33109	94.2	3.8	2.1
698	1037	1.31	0.0	1.31	0.0	148106	430	723	149259	99.2	0.3	0.5	54613	911	917	56441	96.8	1.6	1.6
790	1035	1.70	0.0	1.70	0.0	163372	586	818	164776	99.1	0.4	0.5	69771	1301	1344	72417	96.3	1.8	1.9
895	1043	2.02	0.0	2.02	0.0	213916	282	933	215131	99.4	0.1	0.4	91596	718	1805	94119	97.3	0.8	1.9

	COAL								RESIDUAL OIL #6								FUEL OIL # 2			
	QUAN. DELIV.		AVERAGE CONTENT			AVERAGE PRICE IN $ PER TON			QUAN. DELIV.		AV. CONTENT		AVERAGE PRICE IN $ PER BBL			QUAN	% OF	BTU	AV.
YEAR	1000 TONS	% ON CONTR	BTU/ LB	SULF WT %	ASH WT %	SPOT	CONTR	TOTAL	1000 BBLS	% ON CONTR	BTU/ GAL	SULF WT %	SPOT	CONTR	TOTAL	1000 BBLS	TOTAL #2+#6	CONT/ GAL	PRICE $/BBL
PAINESVILLE ELECTRIC LT DEPT																			
1974	96	100.0	12429	3.09	8.6	0.0	19.23	19.23	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	101	100.0	12423	2.94	8.5	0.0	24.47	24.47	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	86	100.0	12416	2.92	8.3	0.0	22.44	22.44	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	83	100.0	12375	2.95	9.4	0.0	22.18	22.18	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
PASADENA WTR & PWR DEPT																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	713*	100.0	150000	0.40	0.0	12.18	12.18	0	0.0	0	0.0
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	737*	0.0	150000	0.36	14.35	0.0	14.35	1*	0.1	138800	13.09
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	522*	0.0	150000	0.42	14.83	0.0	14.83	24*	4.4	138800	12.67
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	1115*	0.0	150000	0.50	15.91	0.0	15.91	20*	1.8	138800	14.94
PELLA MUNICIPAL POWER & LIGHT																			
1974	67	0.0	9693	5.36	15.8	9.63	0.0	9.63	0	0.0	0	0.0	0.0	0.0	0.0	1	100.0	140000	12.70
1975	90	0.0	9846	4.62	15.6	12.74	0.0	12.74	0	0.0	0	0.0	0.0	0.0	0.0	2	100.0	140000	12.68
1976	91	0.0	9396	3.87	15.6	13.87	0.0	13.87	0	0.0	0	0.0	0.0	0.0	0.0	1	100.0	140000	13.59
1977	101	0.0	9261	4.40	16.3	13.65	0.0	13.65	0	0.0	0	0.0	0.0	0.0	0.0	1	100.0	140000	16.11
PENNSYLVANIA ELECTRIC (GPU)																			
1974	12554	84.9	11678	2.29	18.3	16.89	15.02	15.30	0	0.0	0	0.0	0.0	0.0	0.0	262*	100.0	138684	14.27
1975	13188	91.2	11703	2.20	18.1	22.25	19.97	20.17	0	0.0	0	0.0	0.0	0.0	0.0	568*	100.0	138746	14.65
1976	13212	95.8	11861	2.17	17.7	20.47	22.93	22.83	0	0.0	0	0.0	0.0	0.0	0.0	588	100.0	138794	15.31
1977	12116	89.5	11901	2.18	17.6	21.59	25.84	25.40	0	0.0	0	0.0	0.0	0.0	0.0	628	100.0	138739	17.34
PENNSYLVANIA POWER & LIGHT																			
1974	9918*	42.9	12017	1.92	15.0	22.05	19.81	21.09	1235*	100.0	134804	1.10	0.0	15.55	15.55	480	28.0	137530	12.49
1975	9738*	48.6	11745	1.88	16.8	22.92	24.54	23.71	1756	95.4	141271	1.00	15.46	11.49	11.68	982	35.9	137531	12.90
1976	10047*	44.6	11942	2.02	15.3	21.98	29.98	25.55	2394	100.0	142102	1.00	0.0	11.64	11.64	662	21.7	137794	13.88
1977	10677*	66.6	11962	1.99	14.7	20.40	27.06	24.84	7431	100.0	143548	0.94	0.0	13.77	13.77	955	11.4	137796	15.73
PENNSYLVANIA POWER																			
1974	928	100.0	12190	3.27	12.3	0.0	25.27	25.27	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	762	100.0	12626	2.86	9.9	0.0	28.60	28.60	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	1938	67.4	12119	2.88	12.4	21.67	22.80	22.43	0	0.0	0	0.0	0.0	0.0	0.0	17	100.0	134189	13.50
1977	3363	40.6	11797	2.84	14.1	22.85	24.46	23.50	0	0.0	0	0.0	0.0	0.0	0.0	170	100.0	136737	16.73
PERU UTILITIES																			
1974	54	19.2	11968	3.02	10.6	15.88	21.64	16.99	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	45	51.5	11344	3.37	10.1	22.17	26.66	24.48	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	49	26.4	11339	3.41	9.8	19.92	22.93	20.72	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	44	46.4	11188	3.30	10.5	21.91	23.50	22.65	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
PHILADELPHIA ELECTRIC																			
1974	1991	46.0	12066	2.34	13.7	29.12	22.59	26.12	15980*	87.5	145012	0.48	14.04	11.58	11.89	788*	4.7	136505	13.04
1975	1553	63.8	12622	2.55	10.6	33.22	32.19	32.56	9735*	81.2	145169	0.40	12.81	12.66	12.69	2116*	17.9	137948	12.55
1976	1460	93.6	12947	2.60	9.3	29.70	32.09	31.94	11880	96.1	146193	0.39	11.87	12.21	12.20	1495	11.2	137908	13.02
1977	1196	87.0	13004	2.71	9.3	29.21	30.47	30.31	11458*	93.1	146225	0.35	13.70	14.19	14.16	1948	14.5	137374	16.12
PIQUA MUNICIPAL POWER SYSTEM																			
1974	141	83.2	12002	2.62	10.5	24.52	19.76	20.56	0	0.0	0	0.0	0.0	0.0	0.0	29	100.0	137000	9.60
1975	129	59.2	11381	3.50	14.9	25.11	25.59	25.39	0	0.0	0	0.0	0.0	0.0	0.0	11	100.0	137000	12.43
1976	59	59.6	11732	1.45	13.5	23.59	20.11	21.52	0	0.0	0	0.0	0.0	0.0	0.0	5	100.0	137000	13.69
1977	67	47.8	11960	3.66	13.6	24.92	24.58	24.75	0	0.0	0	0.0	0.0	0.0	0.0	13	100.0	137000	16.03
PLAINS ELEC GEN & TRANS COOP																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	20*	39.1	149460	0.24	9.34	11.79	10.30	0	0.0	0	0.0
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	37	0.0	150000	0.30	9.78	0.0	9.78	0	0.0	0	0.0
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	9	0.0	142000	0.34	11.05	0.0	11.05	0	0.0	0	0.0
PORTLAND GENERAL ELECTRIC																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	529*	100.0	137500	14.01
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	393	100.0	137217	13.54
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	690	100.0	137500	15.42
POTOMAC EDISON-VA (APS)																			
1974	12	100.0	12320	1.57	14.7	0.0	28.84	28.84	0	0.0	0	0.0	0.0	0.0	0.0	119	100.0	139260	11.63
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	19	100.0	138566	11.54
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	49	100.0	138619	13.97
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	117	100.0	138648	15.93
POTOMAC ELECTRIC POWER																			
1974	4692	5.5	11600	1.59	15.5	32.13	33.75	32.22	11506	92.0	148092	1.49	9.43	10.17	10.11	371	3.1	138414	12.36
1975	3387	23.0	12111	1.64	13.3	29.68	29.87	29.72	8454	100.0	148023	1.54	0.0	10.70	10.70	863	9.3	138276	12.54
1976	4724	64.2	12291	1.46	12.5	26.49	27.40	27.08	8483*	100.0	148217	1.57	0.0	10.91	10.91	626	6.9	138257	13.26
1977	5207	57.7	12239	1.49	12.7	32.31	27.32	29.43	9722*	99.5	148059	1.55	16.45	13.03	13.05	839	7.9	138403	15.44

NATURAL GAS AMOUNT IN 1000 MCF	BTU CONT/ CU FT	AVERAGE PRICE IN $ PER MCF FIRM	IRPT	TOTL	% FIRM/ TOTAL	TOTAL QUANTITY DELIVERED IN BILLION BTUS COAL	OIL	GAS	TOTAL	% OF TOTAL BTUS COAL	OIL	GAS	TOTAL DELIVERED FUEL COST IN $1000 COAL	OIL	GAS	TOTAL	% OF FUEL COST COAL	OIL	GAS
								PAINESVILLE ELECTRIC LT DEPT											
0	0	0.0	0.0	0.0	0.0	2386	0	0	2386	100.0	0.0	0.0	1846	0	0	1846	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	2509	0	0	2509	100.0	0.0	0.0	2471	0	0	2471	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	2131	0	0	2131	100.0	0.0	0.0	1925	0	0	1925	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	2054	0	0	2054	100.0	0.0	0.0	1841	0	0	1841	100.0	0.0	0.0
								PASADENA WTR & PWR DEPT											
1737	1052	0.57	0.0	0.57	0.0	0	4492	1827	6319	0.0	71.1	28.9	0	8686	988	9674	0.0	89.8	10.2
949	1054	0.82	0.0	0.82	0.0	0	4644	1001	5645	0.0	82.3	17.7	0	10582	775	11356	0.0	93.2	6.8
759	1051	1.25	0.0	1.25	0.0	0	3430	798	4229	0.0	81.1	18.9	0	8051	950	9001	0.0	89.4	10.6
1347	1054	1.88	0.0	1.88	0.0	0	7141	1420	8561	0.0	83.4	16.6	0	18040	2526	20566	0.0	87.7	12.3
								PELLA MUNICIPAL POWER & LIGHT											
0	0	0.0	0.0	0.0	0.0	1294	5	0	1299	99.6	0.4	0.0	643	11	0	654	98.4	1.6	0.0
0	0	0.0	0.0	0.0	0.0	1779	13	0	1792	99.3	0.7	0.0	1151	28	0	1179	97.7	2.3	0.0
0	0	0.0	0.0	0.0	0.0	1707	6	0	1712	99.7	0.3	0.0	1260	14	0	1273	98.9	1.1	0.0
0	0	0.0	0.0	0.0	0.0	1879	5	0	1884	99.7	0.3	0.0	1384	13	0	1398	99.0	1.0	0.0
								PENNSYLVANIA ELECTRIC (GPU)											
0	0	0.0	0.0	0.0	0.0	293205	1526	0	294731	99.5	0.5	0.0	192072	3740	0	195811	98.1	1.9	0.0
0	0	0.0	0.0	0.0	0.0	308674	3310	0	311984	98.9	1.1	0.0	265960	8320	0	274280	97.0	3.0	0.0
0	0	0.0	0.0	0.0	0.0	313418	3428	0	316846	98.9	1.1	0.0	301592	8999	0	310591	97.1	2.9	0.0
0	0	0.0	0.0	0.0	0.0	288383	3659	0	292043	98.7	1.3	0.0	307733	10891	0	318624	96.6	3.4	0.0
								PENNSYLVANIA POWER & LIGHT											
0	0	0.0	0.0	0.0	0.0	238364	9765	0	248129	96.1	3.9	0.0	209188	25203	0	234391	89.2	10.8	0.0
0	0	0.0	0.0	0.0	0.0	228737	16091	0	244829	93.4	6.6	0.0	230867	33177	0	264044	87.4	12.6	0.0
0	0	0.0	0.0	0.0	0.0	239963	18119	0	258082	93.0	7.0	0.0	256690	37055	0	293745	87.4	12.6	0.0
0	0	0.0	0.0	0.0	0.0	255428	50329	0	305757	83.5	16.5	0.0	265196	117356	0	382552	69.3	30.7	0.0
								PENNSYLVANIA POWER											
0	0	0.0	0.0	0.0	0.0	22631	0	0	22631	100.0	0.0	0.0	23457	0	0	23457	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	19249	0	0	19249	100.0	0.0	0.0	21797	0	0	21797	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	46981	96	0	47077	99.8	0.2	0.0	43473	230	0	43702	99.5	0.5	0.0
0	0	0.0	0.0	0.0	0.0	79353	976	0	80329	98.8	1.2	0.0	79049	2844	0	81893	96.5	3.5	0.0
								PERU UTILITIES											
0	0	0.0	0.0	0.0	0.0	1294	0	0	1294	100.0	0.0	0.0	918	0	0	918	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	1028	0	0	1028	100.0	0.0	0.0	1109	0	0	1109	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	1117	0	0	1117	100.0	0.0	0.0	1020	0	0	1020	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	995	0	0	995	100.0	0.0	0.0	1007	0	0	1007	100.0	0.0	0.0
								PHILADELPHIA ELECTRIC											
1959	1030	1.59	0.0	1.59	0.0	48046	101844	2018	151908	31.6	67.0	1.3	52007	200216	3108	255331	20.4	78.4	1.2
0	0	0.0	0.0	0.0	0.0	39204	71615	0	110819	35.4	64.6	0.0	50572	150069	0	200641	25.2	74.8	0.0
0	0	0.0	0.0	0.0	0.0	37806	81604	0	119409	31.7	68.3	0.0	46628	164399	0	211026	22.1	77.9	0.0
0	0	0.0	0.0	0.0	0.0	31107	81608	0	112715	27.6	72.4	0.0	36249	193601	0	229849	15.8	84.2	0.0
								PIQUA MUNICIPAL POWER SYSTEM											
0	0	0.0	0.0	0.0	0.0	3392	168	0	3560	95.3	4.7	0.0	2906	280	0	3186	91.2	8.8	0.0
0	0	0.0	0.0	0.0	0.0	2945	64	0	3009	97.9	2.1	0.0	3285	138	0	3423	96.0	4.0	0.0
0	0	0.0	0.0	0.0	0.0	1374	28	0	1402	98.0	2.0	0.0	1260	66	0	1326	95.0	5.0	0.0
0	0	0.0	0.0	0.0	0.0	1596	73	0	1669	95.6	4.4	0.0	1651	204	0	1855	89.0	11.0	0.0
								PLAINS ELEC GEN & TRANS COOP											
3392	893	0.56	0.0	0.56	0.0	0	127	3030	3157	0.0	4.0	96.0	0	209	1888	2097	0.0	10.0	90.0
2557	916	0.76	0.0	0.76	0.0	0	232	2341	2573	0.0	9.0	91.0	0	360	1945	2305	0.0	15.6	84.4
3183	900	0.93	0.0	0.93	0.0	0	0	2865	2865	0.0	0.0	100.0	0	0	2957	2957	0.0	0.0	100.0
2668	887	1.33	0.0	1.33	0.0	0	52	2366	2418	0.0	2.2	97.8	0	97	3541	3639	0.0	2.7	97.3
								PORTLAND GENERAL ELECTRIC											
0	0	0.0	0.0	0.0	0.0	0	3054	0	3054	0.0	100.0	0.0	0	7408	0	7408	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	2267	0	2267	0.0	100.0	0.0	0	5326	0	5326	0.0	100.0	0.0
53	1036	2.06	0.0	2.06	0.0	0	3987	55	4042	0.0	98.6	1.4	0	10649	108	10758	0.0	99.0	1.0
								POTOMAC EDISON-VA (APS)											
0	0	0.0	0.0	0.0	0.0	298	697	0	995	30.0	70.0	0.0	349	1386	0	1735	20.1	79.9	0.0
0	0	0.0	0.0	0.0	0.0	0	110	0	110	0.0	100.0	0.0	0	218	0	218	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	284	0	284	0.0	100.0	0.0	0	681	0	681	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	683	0	683	0.0	100.0	0.0	0	1868	0	1868	0.0	100.0	0.0
								POTOMAC ELECTRIC POWER											
0	0	0.0	0.0	0.0	0.0	108851	73722	0	182574	59.6	40.4	0.0	151165	120926	0	272091	55.6	44.4	0.0
0	0	0.0	0.0	0.0	0.0	82047	57573	0	139620	58.8	41.2	0.0	100678	101300	0	201978	49.8	50.2	0.0
0	0	0.0	0.0	0.0	0.0	116124	56443	0	172567	67.3	32.7	0.0	127903	100817	0	228720	55.9	44.1	0.0
0	0	0.0	0.0	0.0	0.0	127453	65333	0	192786	66.1	33.9	0.0	153239	139796	0	293035	52.3	47.7	0.0

YEAR	COAL QUAN. 1000 TONS	COAL DELIV. % ON CONTR	COAL AVERAGE CONTENT BTU/ LB	COAL AVERAGE CONTENT SULF WT %	COAL AVERAGE CONTENT ASH WT %	COAL AVERAGE PRICE IN $ PER TON SPOT	COAL AVERAGE PRICE IN $ PER TON CONTR	COAL AVERAGE PRICE IN $ PER TON TOTAL	RESIDUAL OIL #6 QUAN. 1000 BBLS	RESIDUAL OIL #6 DELIV. % ON CONTR	RESIDUAL OIL #6 AV. CONTENT BTU/ GAL	RESIDUAL OIL #6 AV. CONTENT SULF WT %	RESIDUAL OIL #6 AVERAGE PRICE IN $ PER BBL SPOT	RESIDUAL OIL #6 AVERAGE PRICE IN $ PER BBL CONTR	RESIDUAL OIL #6 AVERAGE PRICE IN $ PER BBL TOTAL	FUEL OIL # 2 QUAN 1000 BBLS	FUEL OIL # 2 % OF TOTAL #2+#6	FUEL OIL # 2 BTU CONT/ GAL	FUEL OIL # 2 AV. PRICE $/BBL
PUBLIC SERVICE CO OF NEW MEXICO																			
1974	957	100.0	9596	0.79	18.6	0.0	5.22	5.22	143	94.2	147045	0.68	8.92	10.66	10.56	53	27.0	137194	10.58
1975	1243	100.0	9700	0.89	21.3	0.0	4.95	4.95	179	85.1	144852	0.54	9.31	10.74	10.53	21	10.5	136736	10.83
1976	1264	100.0	9700	0.89	21.4	0.0	5.48	5.48	44	97.3	144307	0.54	8.95	11.20	11.14	43	49.0	135028	13.76
1977	1731	100.0	9700	0.89	22.4	0.0	7.40	7.40	165*	26.6	143777	0.34	12.24	12.81	12.39	77	31.9	136473	14.77
PUBLIC SERV CO OF INDIANA																			
1974	6380	91.2	10706	2.62	12.1	13.55	7.71	8.22	0	0.0	0	0.0	0.0	0.0	0.0	262	100.0	136999	10.79
1975	7549	89.6	10751	2.39	11.7	15.92	10.64	11.19	0	0.0	0	0.0	0.0	0.0	0.0	369	100.0	137000	12.08
1976	8728	79.8	10795	2.33	11.7	16.35	14.00	14.48	0	0.0	0	0.0	0.0	0.0	0.0	412	100.0	137000	13.47
1977	9607	76.7	10830	2.27	11.6	21.25	15.34	16.71	0	0.0	0	0.0	0.0	0.0	0.0	554	100.0	137000	15.59
PUBLIC SERV CO OF NEW HAMPSHIRE																			
1974	930	100.0	13395	2.36	7.6	0.0	21.71	21.71	1699	100.0	147592	2.06	0.0	11.90	11.90	12*	0.7	134003	11.95
1975	977	100.0	13351	2.45	8.0	0.0	32.24	32.24	2467*	100.0	145950	1.85	0.0	11.45	11.45	54*	2.2	137132	12.82
1976	753	97.7	13459	2.22	7.4	32.44	33.77	33.74	2924	99.9	147747	1.85	13.56	10.80	10.80	45*	1.5	136830	13.71
1977	960	96.6	13364	2.33	7.2	34.71	34.77	34.77	2710	100.0	148691	1.81	0.0	12.84	12.84	41*	1.5	136957	15.62
PUBLIC SERV ELEC & GAS-NJ																			
1974	2074	93.1	12281	1.41	13.6	33.84	31.99	32.11	22337	100.0	143495	0.45	0.0	12.82	12.82	347*	1.5	133832	12.07
1975	1587	91.2	12918	1.39	10.2	48.54	43.74	44.16	16632	100.0	142983	0.30	0.0	12.72	12.72	530*	3.1	134504	11.94
1976	1875	93.9	13191	1.22	8.9	42.50	40.03	40.18	16226	94.7	144435	0.27	11.68	12.39	12.35	1381*	7.8	134701	13.54
1977	1853	92.8	13204	1.22	8.7	41.19	39.80	39.90	18265	100.0	145202	0.27	0.0	14.26	14.26	2487*	12.0	134752	15.65
PUBLIC SERVICE CO OF COLORADO																			
1974	4710	95.9	9825	0.46	7.5	10.44	7.38	7.51	586	100.0	148831	0.84	0.0	11.38	11.38	118	16.8	136768	14.47
1975	5088	97.0	9753	0.50	8.2	11.65	9.41	9.48	959	97.9	148101	0.86	11.41	12.09	12.08	361	27.3	137249	14.84
1976	5262	99.7	9539	0.47	7.0	12.81	9.31	9.32	570*	97.2	147788	0.79	11.05	10.15	10.17	268*	32.0	136809	13.58
1977	6139	99.6	9898	0.47	7.4	16.87	12.40	12.42	585*	59.6	148191	0.78	11.64	12.14	11.94	178	23.3	137081	15.49
PUBLIC SERV CO OF OKLAHOMA (CSW)																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	92	100.0	141523	9.54
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	15*	100.0	145053	0.83	0.0	10.96	10.96	420	96.6	139009	11.24
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	101*	89.2	143316	0.76	9.45	10.23	10.15	15	13.2	137876	12.19
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	20	100.0	137598	14.67
PUB UTILS COMM - NEW ULM																			
1974	34	100.0	12500	1.90	7.9	0.0	18.92	18.92	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	48	100.0	12485	1.98	7.8	0.0	28.01	28.01	0	0.0	0	0.0	0.0	0.0	0.0	5	100.0	138000	13.10
1976	44	100.0	12500	1.93	7.8	0.0	33.93	33.93	0	0.0	0	0.0	0.0	0.0	0.0	6	100.0	138000	13.33
1977	63	100.0	12500	1.91	7.8	0.0	33.71	33.71	0	0.0	0	0.0	0.0	0.0	0.0	2	100.0	138000	14.38
PUGET SOUND POWER & LIGHT																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	100.0	140000	15.44
RICHMOND POWER & LIGHT																			
1974	173	6.3	11366	2.88	10.2	16.06	16.78	16.10	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	177	52.8	11063	2.36	11.8	22.73	25.63	24.26	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	233	45.8	11083	2.34	11.7	19.43	21.57	20.41	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	244	65.0	11043	2.58	11.6	21.89	22.08	22.02	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
ROCHESTER DEPT PUB UTIL																			
1974	99	100.0	12400	2.17	7.1	0.0	19.07	19.07	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	151	100.0	12239	1.60	7.0	0.0	29.00	29.00	0	0.0	0	0.0	0.0	0.0	0.0	12	100.0	139000	13.22
1976	221	100.0	12093	1.69	7.8	0.0	30.93	30.93	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	195	100.0	12317	2.07	7.7	0.0	31.37	31.37	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
ROCHESTER GAS & ELEC CORP																			
1974	709	0.0	12226	2.34	12.9	28.30	0.0	28.30	1089	78.1	148259	2.16	17.50	12.83	13.86	82	7.0	137070	13.44
1975	739	0.0	12732	1.97	10.8	32.48	0.0	32.48	897	93.0	148203	1.91	13.09	13.29	13.27	66	6.9	137468	13.03
1976	712	70.4	12909	1.92	9.3	29.71	32.66	31.78	889	100.0	148485	1.88	0.0	13.36	13.36	42	4.5	137129	12.98
1977	908	65.7	12897	2.08	9.7	29.38	32.90	31.70	843	98.5	148656	1.92	14.94	15.23	15.22	0	0.0	0	0.0
RUSTON UTIL SYS																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	5	100.0	135000	15.13
SALT RIVER PROJECT																			
1974	2538	100.0	10938	0.41	8.6	0.0	2.93	2.93	1679*	43.0	150375	1.06	12.88	12.54	12.73	1221	42.1	140459	12.76
1975	3770	89.8	10586	0.46	9.6	10.75	2.88	3.69	1494	58.4	152199	0.92	12.04	12.32	12.21	1778	54.3	139346	13.24
1976	6318	96.3	10587	0.48	10.6	24.35	3.44	4.22	786	52.9	151376	0.87	13.14	10.92	11.96	1010	56.2	139117	14.43
1977	7599	79.1	10836	0.44	9.7	23.65	5.77	9.51	1603	26.8	149506	0.80	13.71	12.38	13.36	1441	47.3	140294	15.72

NATURAL GAS AMOUNT IN 1000 MCF	BTU CONT/ CU FT	AVERAGE PRICE IN $ PER MCF FIRM	IRPT	TOTL	% FIRM/ TOTAL	TOTAL QUANTITY DELIVERED IN BILLION BTUS COAL	OIL	GAS	TOTAL	% OF TOTAL BTUS COAL	OIL	GAS	TOTAL DELIVERED FUEL COST IN $1000 COAL	OIL	GAS	TOTAL	% OF FUEL COST COAL	OIL	GAS
PUBLIC SERVICE CO OF NEW MEXICO																			
17268	1047	0.53	0.0	0.53	0.0	18363	1191	18083	37637	48.8	3.2	48.0	4992	2074	9077	16144	30.9	12.9	56.2
17321	1054	0.79	0.0	0.79	0.0	24120	1212	18251	43583	55.3	2.8	41.9	6158	2116	13759	22032	27.9	9.6	62.4
17119	1043	1.01	0.0	1.01	0.0	24514	512	17863	42889	57.2	1.2	41.6	6923	1083	17240	25246	27.4	4.3	68.3
19796	1036	1.72	0.0	1.72	0.0	33587	1439	20516	55542	60.5	2.6	36.9	12807	3185	34122	50114	25.6	6.4	68.1
PUBLIC SERV CO OF INDIANA																			
0	0	0.0	0.0	0.0	0.0	136617	1506	0	138122	98.9	1.1	0.0	52449	2822	0	55271	94.9	5.1	0.0
0	0	0.0	0.0	0.0	0.0	162323	2123	0	164445	98.7	1.3	0.0	84459	4455	0	88914	95.0	5.0	0.0
0	0	0.0	0.0	0.0	0.0	188436	2368	0	190804	98.8	1.2	0.0	126361	5543	0	131904	95.8	4.2	0.0
0	0	0.0	0.0	0.0	0.0	208085	3189	0	211274	98.5	1.5	0.0	160548	8642	0	169190	94.9	5.1	0.0
PUBLIC SERV CO OF NEW HAMPSHIRE																			
41	1000	1.18	0.0	1.18	0.0	24918	10598	41	35556	70.1	29.8	0.1	20195	20357	48	40599	49.7	50.1	0.1
130	1000	1.01	0.0	1.01	0.0	26092	15435	130	41656	62.6	37.1	0.3	31500	28941	131	60573	52.0	47.8	0.2
4	1000	1.80	0.0	1.80	0.0	20274	18404	4	38682	52.4	47.6	0.0	25410	32209	6	57626	44.1	55.9	0.0
0	0	0.0	0.0	0.0	0.0	25662	17156	0	42817	59.9	40.1	0.0	33385	35436	0	68821	48.5	51.5	0.0
PUBLIC SERV ELEC & GAS-NJ																			
7839	1030	0.0	0.74	0.74	100.0	50931	136571	8073	195575	26.0	69.8	4.1	66591	290460	5822	362873	18.4	80.0	1.6
7882	1029	0.98	0.0	0.98	0.0	41006	102872	8112	151990	27.0	67.7	5.3	70087	217915	7730	295732	23.7	73.7	2.6
3757	1029	1.52	0.0	1.52	0.0	49457	106243	3866	159566	31.0	66.6	2.4	75328	219152	5707	300188	25.1	73.0	1.9
5611	1030	1.89	0.0	1.89	0.0	48930	125463	5779	180172	27.2	69.6	3.2	73921	299339	10606	383866	19.3	78.0	2.8
PUBLIC SERVICE CO OF COLORADO																			
49026	909	0.39	0.37	0.39	11.0	92556	4343	44585	141484	65.4	3.1	31.5	35368	8383	19164	62915	56.2	13.3	30.5
39987	1004	0.58	0.58	0.58	0.1	99259	8049	40165	147473	67.3	5.5	27.2	48235	16947	23333	88515	54.5	19.1	26.4
33165	1002	0.77	0.86	0.77	0.0	100397	5083	33224	138704	72.4	3.7	24.0	49039	9451	25559	84049	58.3	11.2	30.4
24747	1001	1.02	0.0	1.02	0.0	121534	4669	24777	150980	80.5	3.1	16.4	76256	9749	25306	111310	68.5	8.8	22.7
PUBLIC SERV CO OF OKLAHOMA (CSW)																			
116953	1049	0.0	0.45	0.45	100.0	0	546	122731	123277	0.0	0.4	99.6	0	876	53146	54022	0.0	1.6	98.4
119209	1044	0.0	0.69	0.69	100.0	0	2543	124402	126945	0.0	2.0	98.0	0	4884	82272	87156	0.0	5.6	94.4
138280	1048	0.0	1.07	1.07	100.0	0	699	144931	145630	0.0	0.5	99.5	0	1216	147538	148753	0.0	0.8	99.2
136740	1059	0.0	1.45	1.45	100.0	0	116	144832	144947	0.0	0.1	99.9	0	293	197851	198144	0.0	0.1	99.9
PUB UTILS COMM - NEW ULM																			
884	1000	0.45	0.0	0.45	0.0	851	0	884	1734	49.1	0.0	50.9	644	0	394	1038	62.0	0.0	38.0
761	1000	0.86	0.0	0.86	0.0	1194	27	761	1982	60.2	1.4	38.4	1339	62	656	2057	65.1	3.0	31.9
578	1000	0.75	0.0	0.75	0.0	1112	37	578	1728	64.4	2.1	33.5	1510	85	436	2031	74.3	4.2	21.5
333	1000	1.04	0.0	1.04	0.0	1570	9	333	1912	82.1	0.5	17.4	2117	23	346	2486	85.2	0.9	13.9
PUGET SOUND POWER & LIGHT																			
0	0	0.0	0.0	0.0	0.0	0	1	0	1	0.0	100.0	0.0	0	3	0	3	0.0	100.0	0.0
RICHMOND POWER & LIGHT																			
0	0	0.0	0.0	0.0	0.0	3937	0	0	3937	100.0	0.0	0.0	2789	0	0	2789	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	3926	0	0	3926	100.0	0.0	0.0	4305	0	0	4305	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	5168	0	0	5168	100.0	0.0	0.0	4758	0	0	4758	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	5385	0	0	5385	100.0	0.0	0.0	5367	0	0	5367	100.0	0.0	0.0
ROCHESTER DEPT PUB UTIL																			
2427	1010	0.59	0.77	0.59	0.5	2460	0	2452	4912	50.1	0.0	49.9	1892	0	1439	3331	56.8	0.0	43.2
1622	1010	0.66	0.94	0.66	1.2	3686	69	1638	5394	68.3	1.3	30.4	4367	157	1073	5597	78.0	2.8	19.2
218	1010	0.84	1.02	0.87	17.7	5355	0	220	5575	96.1	0.0	3.9	6848	0	189	7037	97.3	0.0	2.7
1084	1010	1.15	1.31	1.15	2.7	4804	0	1094	5898	81.4	0.0	18.6	6116	0	1250	7367	83.0	0.0	17.0
ROCHESTER GAS & ELEC CORP																			
0	0	0.0	0.0	0.0	0.0	17336	7253	0	24589	70.5	29.5	0.0	20062	16191	0	36254	55.3	44.7	0.0
0	0	0.0	0.0	0.0	0.0	18825	5965	0	24790	75.9	24.1	0.0	24011	12767	0	36777	65.3	34.7	0.0
0	0	0.0	0.0	0.0	0.0	18394	5785	0	24179	76.1	23.9	0.0	22645	12424	0	35069	64.6	35.4	0.0
0	0	0.0	0.0	0.0	0.0	23431	5263	0	28694	81.7	18.3	0.0	28792	12832	0	41623	69.2	30.8	0.0
RUSTON UTIL SYS																			
999	1012	0.30	0.55	0.43	49.4	0	0	1011	1011	0.0	0.0	100.0	0	0	425	425	0.0	0.0	100.0
1640	1013	0.84	0.89	0.84	2.9	0	0	1661	1661	0.0	0.0	100.0	0	0	1383	1383	0.0	0.0	100.0
1671	1028	1.21	0.0	1.21	0.0	0	0	1719	1719	0.0	0.0	100.0	0	0	2027	2027	0.0	0.0	100.0
1806	1031	1.69	0.0	1.69	0.0	0	28	1862	1891	0.0	1.5	98.5	0	76	3054	3130	0.0	2.4	97.6
SALT RIVER PROJECT																			
6986	1080	0.57	0.0	0.57	0.0	55523	17808	7544	80875	68.7	22.0	9.3	7440	36965	3956	48362	15.4	76.4	8.2
3672	1076	0.76	0.0	0.76	0.0	79821	19955	3951	103727	77.0	19.2	3.8	13898	41773	2796	58467	23.8	71.4	4.8
6269	1082	0.87	0.0	0.87	0.0	133785	10895	6784	151464	88.3	7.2	4.5	26636	23972	5479	56086	47.5	42.7	9.8
5317	1080	1.15	0.0	1.15	0.0	164685	18556	5742	188983	87.1	9.8	3.0	72256	44057	6132	122445	59.0	36.0	5.0

	COAL								RESIDUAL OIL #6								FUEL OIL # 2			
	QUAN. DELIV.		AVERAGE CONTENT			AVERAGE PRICE IN $ PER TON			QUAN. DELIV.		AV. CONTENT		AVERAGE PRICE IN $ PER BBL			QUAN	% OF	BTU	AV.
YEAR	1000 TONS	% ON CONTR	BTU/ LB	SULF WT %	ASH WT %	SPOT	CONTR	TOTAL	1000 BBLS	% ON CONTR	BTU/ GAL	SULF WT %	SPOT	CONTR	TOTAL	1000 BBLS	TOTAL #2+#6	CONT/ GAL	PRICE $/BBL
SAN DIEGO GAS & ELECTRIC																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	6625	100.0	147193	0.38	0.0	9.86	9.86	233	3.4	138822	10.44
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	9592	100.0	146866	0.35	0.0	13.64	13.64	106*	1.1	137588	14.08
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	10322	100.0	146701	0.34	0.0	14.36	14.36	330*	3.1	137764	15.32
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	11681	100.0	146539	0.33	0.0	15.35	15.35	880	7.0	137998	15.51
SAVANNAH ELECTRIC & POWER																			
1974	9	0.0	12483	1.70	13.3	21.69	0.0	21.69	2111	98.4	148595	2.31	11.03	10.46	10.47	13	0.6	133180	12.22
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	1963	99.1	148530	2.30	10.39	10.99	10.98	32	1.6	135461	13.24
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	3394	100.0	148270	2.45	0.0	10.45	10.45	117*	3.3	134128	14.20
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	3693	100.0	147175	2.37	0.0	12.41	12.41	111*	2.9	137070	16.43
SEATTLE DEPT OF LIGHTING																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	3	100.0	150772	1.40	0.0	4.48	4.48	0	0.0	0	0.0
SEWR & WTR BD N ORLEANS																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	1*	100.0	139100	0.14	0.0	7.64	7.64	1	66.5	139100	7.64
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	5	100.0	139100	8.41
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	3	100.0	139100	12.27
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	3	100.0	139100	14.28
SIERRA PACIFIC POWER																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	258	100.0	148761	1.11	0.0	11.56	11.56	0	0.0	0	0.0
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	782	100.0	149882	0.84	0.0	12.05	12.05	1	0.1	139301	12.60
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	382	100.0	148876	0.81	0.0	12.41	12.41	3	0.8	139301	14.18
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	1320	100.0	146612	0.73	0.0	13.14	13.14	0	0.0	0	0.0
SOUTH CAROLINA ELECTRIC & GAS																			
1974	2507*	70.4	12239	1.49	12.1	33.22	30.50	31.30	4782	100.0	148365	1.96	0.0	6.83	6.83	14	0.3	138859	12.56
1975	2386	81.8	12413	1.42	10.7	24.46	28.63	27.87	4253	100.0	148502	2.11	0.0	7.09	7.09	8	0.2	138641	8.42
1976	3008	68.2	12444	1.29	10.4	22.80	26.77	25.51	4423	100.0	148186	2.11	0.0	8.80	8.80	98	2.2	138084	13.70
1977	3689	50.7	12248	1.40	11.5	31.21	28.66	29.91	4805	100.0	148979	2.01	0.0	10.72	10.72	479	9.1	137797	15.87
SOUTH CAROLINA PUB SERV AUTH																			
1974	1250	85.0	11787	1.18	12.7	37.01	27.12	28.60	333	100.0	147546	2.25	0.0	10.27	10.27	0	0.0	0	0.0
1975	1434	94.1	11615	1.21	13.2	24.52	27.50	27.32	40	100.0	146673	2.12	0.0	11.31	11.31	29	42.1	140000	12.72
1976	1803	91.0	11802	1.25	12.4	22.67	25.48	25.23	46	100.0	147927	2.24	0.0	11.47	11.47	18	27.8	140000	13.83
1977	2335	71.4	11447	1.31	14.3	32.73	27.70	29.14	258	100.0	148794	2.29	0.0	12.94	12.94	185	41.7	140000	16.05
SOUTH MISSISSIPPI ELEC PWR ASSN																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	1046*	96.3	144739	2.21	9.27	8.54	8.57	0	0.0	0	0.0
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	589*	100.0	145091	2.47	0.0	8.90	8.90	0	0.0	0	0.0
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	376*	97.7	146570	2.27	9.38	9.00	9.01	0	0.0	0	0.0
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	953*	91.9	146969	3.33	11.18	11.05	11.06	0	0.0	0	0.0
SOUTHERN CALIFORNIA EDISON																			
1974	3668	100.0	11025	0.40	10.9	0.0	5.36	5.36	33990	100.0	145239	0.50	0.0	13.31	13.31	16*	0.0	126375	13.18
1975	3820	100.0	10979	0.40	10.9	0.0	5.63	5.63	41391	99.7	145238	0.50	14.33	16.16	16.16	92*	0.2	126369	13.38
1976	4174	100.0	10952	0.40	9.8	0.0	8.43	8.43	42029	99.8	145219	0.50	13.66	14.57	14.57	33*	0.1	129949	13.60
1977	4568	100.0	10896	0.41	10.2	0.0	9.52	9.52	58230	99.9	145218	0.34	15.60	14.24	14.24	1333*	2.2	134829	14.92
SOUTHERN ELEC GEN CO																			
1974	265	78.0	11263	1.15	15.9	14.10	14.82	14.66	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
SOUTHERN ILLINOIS POWER COOP																			
1974	394	0.0	10206	3.81	17.6	11.03	0.0	11.03	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	308	16.1	10563	4.03	15.7	14.56	14.30	14.52	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	400	18.8	10308	3.40	16.2	11.68	17.10	12.70	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	478	27.1	10277	3.04	16.1	13.04	18.46	14.51	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
SOUTHERN INDIANA GAS & ELEC																			
1974	3262	100.0	10860	3.51	11.4	0.0	6.76	6.76	0	0.0	0	0.0	0.0	0.0	0.0	104	100.0	142149	9.60
1975	3533	100.0	10720	3.65	12.6	0.0	9.23	9.23	0	0.0	0	0.0	0.0	0.0	0.0	168	100.0	141800	11.50
1976	3027	99.6	10766	3.18	10.8	15.54	11.20	11.22	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	3550	94.9	10883	3.33	10.8	20.10	14.50	14.79	0	0.0	0	0.0	0.0	0.0	0.0	174	100.0	140869	15.65
SOUTH TEXAS ELEC COOP INC																			
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	5	100.0	139950	11.14
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	3	100.0	143390	12.54
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	100.0	139950	10.71

NATURAL GAS						TOTAL QUANTITY DELIVERED							TOTAL DELIVERED FUEL COST						
AMOUNT IN 1000 MCF	BTU CONT/ CU FT	AVERAGE PRICE IN $ PER MCF FIRM	IRPT	TOTL	% FIRM/ TOTAL	IN BILLION BTUS COAL	OIL	GAS	TOTAL	% OF TOTAL BTUS COAL	OIL	GAS	IN $1000 COAL	OIL	GAS	TOTAL	% OF FUEL COST COAL	OIL	GAS
SAN DIEGO GAS & ELECTRIC																			
24796	1063	0.65	0.0	0.65	0.0	0	42315	26357	68672	0.0	61.6	38.4	0	67733	16013	83746	0.0	80.9	19.1
12905	1053	0.97	0.0	0.97	0.0	0	59782	13583	73365	0.0	81.5	18.5	0	132307	12526	144833	0.0	91.4	8.6
11194	1051	1.61	0.0	1.61	0.0	0	65508	11760	77268	0.0	84.8	15.2	0	153249	18025	171274	0.0	89.5	10.5
14907	1051	2.46	0.0	2.46	0.0	0	76993	15674	92666	0.0	83.1	16.9	0	192963	36655	229618	0.0	84.0	16.0
SAVANNAH ELECTRIC & POWER																			
7601	1028	0.88	0.0	0.88	0.0	225	13247	7817	21289	1.1	62.2	36.7	195	22266	6685	29146	0.7	76.4	22.9
9976	1029	0.93	0.0	0.93	0.0	0	12433	10261	22695	0.0	54.8	45.2	0	21997	9230	31227	0.0	70.4	29.6
1326	1029	1.26	0.0	1.26	0.0	0	21794	1365	23159	0.0	94.1	5.9	0	37127	1675	38802	0.0	95.7	4.3
1196	1026	1.93	0.0	1.93	0.0	0	23467	1227	24694	0.0	95.0	5.0	0	47638	2305	49944	0.0	95.4	4.6
SEATTLE DEPT OF LIGHTING																			
0	0	0.0	0.0	0.0	0.0	0	17	0	17	0.0	100.0	0.0	0	12	0	12	0.0	100.0	0.0
SEWR & WTR BD N ORLEANS																			
1686	1050	0.56	0.48	0.50	83.2	0	11	1771	1782	0.0	0.6	99.4	0	15	837	852	0.0	1.7	98.3
1658	1050	0.74	0.0	0.74	0.0	0	30	1741	1771	0.0	1.7	98.3	0	43	1233	1276	0.0	3.4	96.6
1615	1050	0.87	1.22	0.99	33.4	0	20	1696	1716	0.0	1.2	98.8	0	43	1593	1635	0.0	2.6	97.4
1607	1050	0.0	1.48	1.48	100.0	0	20	1688	1707	0.0	1.2	98.8	0	49	2372	2420	0.0	2.0	98.0
SIERRA PACIFIC POWER																			
18070	1056	0.85	0.81	0.83	56.7	0	1610	19078	20688	0.0	7.8	92.2	0	2979	14968	17947	0.0	16.6	83.4
14728	1057	1.31	0.0	1.31	0.0	0	4926	15562	20488	0.0	24.0	76.0	0	9430	19356	28786	0.0	32.8	67.2
14149	1059	1.79	0.0	1.79	0.0	0	2406	14981	17387	0.0	13.8	86.2	0	4785	25284	30068	0.0	15.9	84.1
18361	1051	2.07	0.0	2.07	0.0	0	8129	19293	27422	0.0	29.6	70.4	0	17342	38047	55388	0.0	31.3	68.7
SOUTH CAROLINA ELECTRIC & GAS																			
0	0	0.0	0.0	0.0	0.0	61353	29874	0	91228	67.3	32.7	0.0	78460	32845	0	111304	70.5	29.5	0.0
0	0	0.0	0.0	0.0	0.0	59246	26577	0	85823	69.0	31.0	0.0	66510	30246	0	96757	68.7	31.3	0.0
0	0	0.0	0.0	0.0	0.0	74867	28099	0	102966	72.7	27.3	0.0	76738	40278	0	117016	65.6	34.4	0.0
0	0	0.0	0.0	0.0	0.0	90369	32836	0	123205	73.3	26.7	0.0	110359	59085	0	169443	65.1	34.9	0.0
SOUTH CAROLINA PUB SERV AUTH																			
0	0	0.0	0.0	0.0	0.0	29455	2063	0	31518	93.5	6.5	0.0	35737	3418	0	39155	91.3	8.7	0.0
0	0	0.0	0.0	0.0	0.0	33305	416	0	33721	98.8	1.2	0.0	39174	820	0	39994	97.9	2.1	0.0
0	0	0.0	0.0	0.0	0.0	42557	392	0	42949	99.1	0.9	0.0	45492	776	0	46268	98.3	1.7	0.0
0	0	0.0	0.0	0.0	0.0	53461	2700	0	56161	95.2	4.8	0.0	68045	6305	0	74350	91.5	8.5	0.0
SOUTH MISSISSIPPI ELEC PWR ASSN																			
2295	1028	0.0	0.71	0.71	100.0	0	6359	2360	8718	0.0	72.9	27.1	0	8964	1640	10604	0.0	84.5	15.5
2468	1002	0.0	1.08	1.08	100.0	0	3592	2473	6065	0.0	59.2	40.8	0	5248	2675	7923	0.0	66.2	33.8
3340	1017	0.0	1.69	1.69	100.0	0	2315	3396	5710	0.0	40.5	59.5	0	3387	5640	9027	0.0	37.5	62.5
3372	1022	0.0	1.81	1.81	100.0	0	5884	3446	9331	0.0	63.1	36.9	0	10544	6093	16637	0.0	63.4	36.6
SOUTHERN CALIFORNIA EDISON																			
92532	1064	0.59	0.0	0.59	0.0	80877	207425	98436	386739	20.9	53.6	25.5	19659	452450	54895	527004	3.7	85.9	10.4
71833	1055	0.91	0.0	0.91	0.0	83881	252974	75755	412610	20.3	61.3	18.4	21488	669923	65675	757085	2.8	88.5	8.7
65757	1050	1.32	0.0	1.32	0.0	91431	256523	69021	416974	21.9	61.5	16.6	35167	612819	86587	734572	4.8	83.4	11.8
91698	1048	1.93	0.0	1.93	0.0	99547	362702	96112	558361	17.8	65.0	17.2	43498	849119	177149	1069766	4.1	79.4	16.6
SOUTHERN ELEC GEN CO																			
0	0	0.0	0.0	0.0	0.0	5970	0	0	5970	100.0	0.0	0.0	3885	0	0	3885	100.0	0.0	0.0
SOUTHERN ILLINOIS POWER COOP																			
0	0	0.0	0.0	0.0	0.0	8045	0	0	8045	100.0	0.0	0.0	4346	0	0	4346	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	6502	0	0	6502	100.0	0.0	0.0	4467	0	0	4467	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	8242	0	0	8242	100.0	0.0	0.0	5077	0	0	5077	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	9832	0	0	9832	100.0	0.0	0.0	6938	0	0	6938	100.0	0.0	0.0
SOUTHERN INDIANA GAS & ELEC																			
2517	1014	0.48	0.0	0.48	0.0	70855	619	2551	74026	95.7	0.8	3.4	22053	996	1200	24249	90.9	4.1	4.9
125	1011	0.62	0.0	0.62	0.0	75750	998	127	76875	98.5	1.3	0.2	32627	1927	78	34632	94.2	5.6	0.2
524	1015	0.78	0.77	0.78	32.7	65170	0	532	65701	99.2	0.0	0.8	33960	0	408	34367	98.8	0.0	1.2
318	1010	1.07	0.0	1.07	0.0	77273	1029	321	78623	98.3	1.3	0.4	52490	2722	341	55553	94.5	4.9	0.6
SOUTH TEXAS ELEC COOP INC																			
2246	995	0.0	1.52	1.52	100.0	0	27	2236	2263	0.0	1.2	98.8	0	50	3418	3468	0.0	1.4	98.6
2670	1017	0.0	1.89	1.89	100.0	0	16	2716	2732	0.0	0.6	99.4	0	33	5054	5088	0.0	0.7	99.3
2205	1006	0.0	1.99	1.99	100.0	0	1	2218	2219	0.0	0.0	100.0	0	1	4390	4391	0.0	0.0	100.0

	COAL								RESIDUAL OIL #6							FUEL OIL # 2			
	QUAN. DELIV.		AVERAGE CONTENT			AVERAGE PRICE IN $ PER TON			QUAN. DELIV.		AV. CONTENT		AVERAGE PRICE IN $ PER BBL			QUAN	% OF	BTU	AV.
YEAR	1000 TONS	% ON CONTR	BTU/ LB	SULF WT %	ASH WT %	SPOT	CONTR	TOTAL	1000 BBLS	% ON CONTR	BTU/ GAL	SULF WT %	SPOT	CONTR	TOTAL	1000 BBLS	TOTAL #2+#6	CONT/ GAL	PRICE $/BBL
SOUTHWESTERN PUBLIC SERVICE																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	194*	100.0	135788	9.39
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	35	100.0	139000	13.31
1976	333	100.0	8274	0.40	5.4	0.0	16.60	16.60	0	0.0	0	0.0	0.0	0.0	0.0	115	100.0	138526	18.87
1977	1054	100.0	8433	0.37	5.3	0.0	18.14	18.14	0	0.0	0	0.0	0.0	0.0	0.0	157	100.0	138633	17.56
SOUTHWESTERN ELEC PWR (CSW)																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	509*	90.1	147337	0.60	8.06	6.72	6.86	36	6.6	141000	10.90
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	654	94.9	147382	0.60	10.23	10.18	10.18	3	0.5	140000	11.17
1976	226	92.9	8060	0.48	7.9	8.25	13.04	12.70	1020*	95.5	147376	0.60	11.25	10.34	10.38	21	2.0	140000	13.34
1977	1596	100.0	8368	0.38	5.6	0.0	14.00	14.00	1692*	39.7	147376	0.60	12.14	11.40	11.85	97	5.4	140000	15.60
SPRINGFIELD WTR LT & PWR DEPT																			
1974	621*	98.2	10355	3.78	12.7	8.00	10.48	10.43	0	0.0	0	0.0	0.0	0.0	0.0	17	100.0	135828	12.19
1975	684*	86.6	10227	3.56	13.8	24.23	20.42	20.93	0	0.0	0	0.0	0.0	0.0	0.0	32	100.0	136000	12.50
1976	685*	98.7	10537	3.44	10.2	21.79	20.12	20.14	0	0.0	0	0.0	0.0	0.0	0.0	73	100.0	136000	13.69
1977	730*	66.4	10801	3.16	10.7	19.06	22.09	21.07	0	0.0	0	0.0	0.0	0.0	0.0	30	100.0	136000	15.78
ST JOSEPH LIGHT & POWER																			
1974	134	53.1	10770	4.09	14.6	19.07	11.87	15.25	37	0.0	152213	1.29	7.62	0.0	7.62	9	20.6	138302	12.16
1975	157	96.5	10832	3.79	12.3	18.52	20.20	20.14	90	91.9	149921	1.54	9.80	10.94	10.85	0	0.0	0	0.0
1976	198	100.0	10873	3.78	13.2	0.0	21.87	21.87	61	2.0	151033	2.50	10.27	8.43	10.23	0	0.0	0	0.0
1977	482*	80.3	10932	3.86	13.4	23.33	23.09	23.13	138	0.0	150489	2.10	12.35	0.0	12.35	10	6.7	137170	15.32
SUNFLOWER ELEC COOP INC																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	100.0	137600	12.60
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	23	100.0	137600	14.08
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	55	100.0	137600	13.38
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	34	100.0	137600	14.57
SUPERIOR WTR LT & PWR																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	98	100.0	151877	1.55	0.0	8.64	8.64	0	0.0	0	0.0
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	103	100.0	150855	1.49	0.0	11.24	11.24	0	0.0	0	0.0
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	67	100.0	150891	1.66	0.0	10.69	10.69	0	0.0	0	0.0
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	91	100.0	151175	1.57	0.0	12.73	12.73	0	0.0	0	0.0
TALLAHASSEE, CITY OF																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	873	100.0	151900	1.81	0.0	10.10	10.10	17	1.9	144000	12.51
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	1234	100.0	151809	1.89	0.0	11.50	11.50	26	2.1	144000	12.54
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	1310	100.0	151900	1.90	0.0	10.80	10.80	80	5.8	144000	13.50
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	1586	83.9	151550	1.78	12.50	11.79	11.91	33	2.0	144000	14.89
TAMPA ELECTRIC																			
1974	3605	100.0	11279	3.27	11.0	0.0	15.51	15.51	1486	24.4	147155	1.62	11.39	12.57	11.68	33	2.1	137827	11.78
1975	3672	100.0	11405	2.87	10.7	0.0	22.32	22.32	1779	99.7	146279	0.97	11.10	11.71	11.71	389	17.9	137891	12.53
1976	3376	100.0	11381	2.50	10.8	36.69	26.54	26.54	3905	100.0	145724	0.98	0.0	10.96	10.96	353	8.3	137696	13.29
1977	3593	100.0	11494	2.41	10.5	0.0	29.73	29.73	4049	100.0	148481	0.91	0.0	12.83	12.83	166	3.9	137724	14.99
TAUNTON MUNICIPAL LIGHTING PLT																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	561	100.0	146622	0.90	0.0	12.23	12.23	0	0.0	0	0.0
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	624	100.0	146041	0.90	0.0	12.39	12.39	0	0.0	0	0.0
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	783	100.0	147040	0.92	0.0	11.83	11.83	40	4.9	139427	14.99
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	425	93.8	147393	0.96	13.20	13.86	13.82	93	18.0	138872	16.07
TENNESSEE VALLEY AUTHORITY																			
1974	30500*	98.8	10827	3.40	16.3	23.49	9.60	9.77	0	0.0	0	0.0	0.0	0.0	0.0	152	100.0	138391	13.80
1975	43449	88.2	10857	3.25	16.3	22.58	16.29	17.03	0	0.0	0	0.0	0.0	0.0	0.0	2619	100.0	138556	12.74
1976	38849	94.6	11067	3.22	15.5	17.39	19.55	19.43	0	0.0	0	0.0	0.0	0.0	0.0	3022	100.0	138630	13.64
1977	35863	91.4	10992	3.37	15.7	21.81	21.44	21.47	0	0.0	0	0.0	0.0	0.0	0.0	5256	100.0	139792	15.50
TEXAS ELEC SERV (TEXAS UTILS)																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	480*	93.3	142857	0.58	9.22	10.07	10.01	0	0.0	0	0.0
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	806*	49.6	142857	0.51	10.80	11.50	11.15	10	1.2	141500	13.53
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	186*	100.0	142857	0.51	0.0	11.79	11.79	89	32.4	142857	11.46
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	597*	50.3	142857	0.59	12.26	13.02	12.64	60	9.1	140913	12.31
TEXAS PWR & LT (TEXAS UTILS)																			
1974	5137	100.0	7000	0.60	10.4	0.0	2.37	2.37	427*	86.6	148180	0.58	8.62	10.41	10.17	893	67.7	140518	11.11
1975	9146	100.0	6552	0.60	11.9	0.0	2.97	2.97	253*	100.0	148000	0.58	0.0	11.54	11.54	556	68.8	140217	12.96
1976	11851	100.0	6495	0.60	12.6	0.0	3.58	3.58	4*	100.0	151000	0.31	0.0	13.10	13.10	118	97.0	140811	13.92
1977	14153	100.0	6601	0.66	12.0	0.0	4.97	4.97	390*	1.4	142197	0.13	10.76	13.83	10.81	249	39.0	137559	14.54
THE CANAL ELECTRIC CO																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	4999	100.0	146630	1.10	0.0	13.08	13.08	0	0.0	0	0.0
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	6246	100.0	146378	0.93	0.0	11.86	11.86	0	0.0	0	0.0
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	9917	100.0	146664	0.97	0.0	10.80	10.80	0	0.0	0	0.0
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	10045	100.0	146501	1.06	0.0	12.98	12.98	0	0.0	0	0.0

NATURAL GAS AMOUNT IN 1000 MCF	BTU CONT/ CU FT	AVERAGE PRICE IN $ PER MCF FIRM	IRPT	TOTL	% FIRM/ TOTAL	TOTAL QUANTITY DELIVERED IN BILLION BTUS COAL	OIL	GAS	TOTAL	% OF TOTAL BTUS COAL	OIL	GAS	TOTAL DELIVERED FUEL COST IN $1000 COAL	OIL	GAS	TOTAL	% OF FUEL COST COAL	OIL	GAS
SOUTHWESTERN PUBLIC SERVICE																			
94318	1012	0.45	0.38	0.44	13.2	0	1106	95477	96584	0.0	1.1	98.9	0	1822	41160	42981	0.0	4.2	95.8
102189	1012	0.75	0.84	0.77	22.5	0	204	103368	103573	0.0	0.2	99.8	0	466	78656	79122	0.0	0.6	99.4
109309	1000	1.06	1.18	1.09	26.9	5510	669	109279	115459	4.8	0.6	94.6	5529	2169	119620	127318	4.3	1.7	94.0
104245	990	1.39	1.51	1.42	26.5	17777	914	103199	121890	14.6	0.7	84.7	19123	2758	148521	170402	11.2	1.6	87.2
SOUTHWESTERN ELEC PWR (CSW)																			
88386	972	0.62	0.30	0.34	90.2	0	3361	85952	89313	0.0	3.8	96.2	0	3878	29693	33570	0.0	11.6	88.4
86483	982	0.68	0.37	0.41	88.1	0	4069	84910	88980	0.0	4.6	95.4	0	6700	35087	41787	0.0	16.0	84.0
84431	940	0.99	0.54	0.58	89.9	3635	6435	79336	89406	4.1	7.2	88.7	2864	10865	49165	62893	4.6	17.3	78.2
81367	973	1.02	0.74	0.77	91.8	26720	11042	79195	116957	22.8	9.4	67.7	22346	21553	62329	106228	21.0	20.3	58.7
SPRINGFIELD WTR LT & PWR DEPT																			
0	0	0.0	0.0	0.0	0.0	12871	95	0	12967	99.3	0.7	0.0	6485	204	0	6688	97.0	3.0	0.0
0	0	0.0	0.0	0.0	0.0	14001	181	0	14182	98.7	1.3	0.0	14329	396	0	14724	97.3	2.7	0.0
0	0	0.0	0.0	0.0	0.0	14441	415	0	14856	97.2	2.8	0.0	13804	995	0	14799	93.3	6.7	0.0
0	0	0.0	0.0	0.0	0.0	15764	171	0	15935	98.9	1.1	0.0	15378	472	0	15850	97.0	3.0	0.0
ST JOSEPH LIGHT & POWER																			
13286	961	0.39	0.0	0.39	0.0	2878	290	12768	15936	18.1	1.8	80.1	2037	395	5155	7587	26.8	5.2	67.9
7268	961	0.52	0.0	0.52	0.0	3407	567	6981	10954	31.1	5.2	63.7	3167	976	3780	7923	40.0	12.3	47.7
6616	948	0.71	0.0	0.71	0.0	4310	385	6274	10969	39.3	3.5	57.2	4334	622	4697	9653	44.9	6.4	48.7
3823	953	1.05	1.10	1.05	0.2	10539	933	3644	15116	69.7	6.2	24.1	11151	1864	4026	17041	65.4	10.9	23.6
SUNFLOWER ELEC COOP INC																			
260	941	0.0	0.51	0.51	100.0	0	2	245	247	0.0	1.0	99.0	0	5	133	139	0.0	3.9	96.1
3225	962	0.0	0.64	0.64	100.0	0	134	3101	3235	0.0	4.1	95.9	0	326	2055	2381	0.0	13.7	86.3
6876	912	0.0	0.75	0.75	100.0	0	318	6272	6590	0.0	4.8	95.2	0	736	5142	5879	0.0	12.5	87.5
7162	890	0.0	0.92	0.92	100.0	0	196	6371	6567	0.0	3.0	97.0	0	495	6563	7058	0.0	7.0	93.0
SUPERIOR WTR LT & PWR																			
549	1009	0.54	0.0	0.54	0.0	0	625	554	1179	0.0	53.0	47.0	0	846	295	1141	0.0	74.1	25.9
346	1012	0.69	0.0	0.69	0.0	0	655	351	1006	0.0	65.2	34.8	0	1162	239	1401	0.0	82.9	17.1
227	1025	0.86	0.0	0.86	0.0	0	424	233	657	0.0	64.6	35.4	0	715	196	911	0.0	78.5	21.5
16	985	1.27	0.0	1.27	0.0	0	578	15	593	0.0	97.4	2.6	0	1158	20	1178	0.0	98.3	1.7
TALLAHASSEE, CITY OF																			
4441	1090	0.62	0.0	0.62	0.0	0	5673	4842	10515	0.0	53.9	46.1	0	9031	2748	11779	0.0	76.7	23.3
1798	1098	0.67	0.0	0.67	0.0	0	8025	1975	9999	0.0	80.3	19.7	0	14511	1196	15707	0.0	92.4	7.6
747	1040	0.69	0.0	0.69	0.0	0	8841	777	9618	0.0	91.9	8.1	0	15225	518	15744	0.0	96.7	3.3
4179	1042	0.95	0.0	0.95	0.0	0	10291	4353	14644	0.0	70.3	29.7	0	19365	3973	23338	0.0	83.0	17.0
TAMPA ELECTRIC																			
0	0	0.0	0.0	0.0	0.0	81330	9370	0	90700	89.7	10.3	0.0	55908	17735	0	73644	75.9	24.1	0.0
0	0	0.0	0.0	0.0	0.0	83755	13182	0	96937	86.4	13.6	0.0	81938	25704	0	107643	76.1	23.9	0.0
0	0	0.0	0.0	0.0	0.0	76839	25940	0	102779	74.8	25.2	0.0	89604	47491	0	137095	65.4	34.6	0.0
0	0	0.0	0.0	0.0	0.0	82602	26214	0	108816	75.9	24.1	0.0	106844	54426	0	161270	66.3	33.7	0.0
TAUNTON MUNICIPAL LIGHTING PLT																			
0	0	0.0	0.0	0.0	0.0	0	3457	0	3457	0.0	100.0	0.0	0	6863	0	6863	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	3827	0	3827	0.0	100.0	0.0	0	7730	0	7730	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	5070	0	5070	0.0	100.0	0.0	0	9864	0	9864	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	3176	0	3176	0.0	100.0	0.0	0	7373	0	7373	0.0	100.0	0.0
TENNESSEE VALLEY AUTHORITY																			
0	0	0.0	0.0	0.0	0.0	660451	886	0	661337	99.9	0.1	0.0	298042	2103	0	300145	99.3	0.7	0.0
0	0	0.0	0.0	0.0	0.0	943434	15243	0	958677	98.4	1.6	0.0	740003	33367	0	773369	95.7	4.3	0.0
0	0	0.0	0.0	0.0	0.0	859909	17598	0	877506	98.0	2.0	0.0	755003	41226	0	796229	94.8	5.2	0.0
0	0	0.0	0.0	0.0	0.0	788439	30862	0	819301	96.2	3.8	0.0	770072	81453	0	851525	90.4	9.6	0.0
TEXAS ELEC SERV (TEXAS UTILS)																			
133398	1028	0.0	0.28	0.28	100.0	0	2880	137171	140051	0.0	2.1	97.9	0	4807	37206	42012	0.0	11.4	88.6
125270	1036	0.0	0.37	0.37	100.0	0	4895	129753	134648	0.0	3.6	96.4	0	9120	46961	56081	0.0	16.3	83.7
121849	1036	0.0	0.51	0.51	100.0	0	1650	126202	127852	0.0	1.3	98.7	0	3212	61710	64922	0.0	4.9	95.1
131488	1042	0.0	0.68	0.68	100.0	0	3937	137022	140959	0.0	2.8	97.2	0	8286	89319	97606	0.0	8.5	91.5
TEXAS PWR & LT (TEXAS UTILS)																			
161498	1000	0.50	0.47	0.48	69.4	71918	7927	161497	241343	29.8	3.3	66.9	12153	14259	77639	104050	11.7	13.7	74.6
152196	1000	0.88	0.89	0.89	73.0	119840	4843	152195	276879	43.3	1.7	55.0	27161	10122	134882	172165	15.8	5.9	78.3
135865	1005	1.33	1.18	1.23	65.5	153949	724	136593	291266	52.9	0.2	46.9	42384	1697	167599	211681	20.0	0.8	79.2
145527	1025	1.64	1.40	1.49	61.5	186857	3766	149118	339741	55.0	1.1	43.9	70310	7832	217442	295585	23.8	2.6	73.6
THE CANAL ELECTRIC CO																			
0	0	0.0	0.0	0.0	0.0	0	30786	0	30786	0.0	100.0	0.0	0	65397	0	65397	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	38400	0	38400	0.0	100.0	0.0	0	74076	0	74076	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	61088	0	61088	0.0	100.0	0.0	0	107105	0	107105	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	61807	0	61807	0.0	100.0	0.0	0	130374	0	130374	0.0	100.0	0.0

	COAL								RESIDUAL OIL #6							FUEL OIL # 2			
	QUAN. DELIV.		AVERAGE CONTENT			AVERAGE PRICE			QUAN. DELIV.		AV. CONTENT		AVERAGE PRICE			QUAN	% OF	BTU	AV.
YEAR	1000 TONS	% ON CONTR	BTU/ LB	SULF WT %	ASH WT %	IN $ PER TON SPOT	CONTR	TOTAL	1000 BBLS	% ON CONTR	BTU/ GAL	SULF WT %	IN $ PER BBL SPOT	CONTR	TOTAL	1000 BBLS	TOTAL #2+#6	CONT/ GAL	PRICE $/BBL
THE CENTRAL NEB PUB PWR&IR DEPT																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	162	93.5	150000	0.53	11.32	7.03	7.31	0	0.0	0	0.0
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	260	100.0	150000	0.58	0.0	10.90	10.90	0	0.0	0	0.0
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	392	100.0	150000	0.78	0.0	9.78	9.78	0	0.0	0	0.0
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	220	100.0	150000	0.89	0.0	11.10	11.10	0	0.0	0	0.0
THE CENTRAL KANSAS POWER CO																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	47	0.0	150000	0.80	10.30	0.0	10.30	0	0.0	0	0.0
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	62	0.0	150000	0.80	11.36	0.0	11.36	0	0.0	0	0.0
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	128	0.0	150000	0.80	10.70	0.0	10.70	0	0.0	0	0.0
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	46	0.0	150000	0.80	12.45	0.0	12.45	0	0.0	0	0.0
THE CINCINNATI GAS & ELECTRIC CO																			
1974	2890	81.6	10297	3.48	18.9	27.48	10.72	13.80	0	0.0	0	0.0	0.0	0.0	0.0	546*	100.0	137496	13.14
1975	4110	84.3	10557	2.91	17.6	23.61	14.33	15.79	0	0.0	0	0.0	0.0	0.0	0.0	714*	100.0	137069	13.58
1976	4439	96.0	10961	2.26	16.6	18.93	19.43	19.41	0	0.0	0	0.0	0.0	0.0	0.0	1241*	100.0	137131	14.19
1977	4440	85.5	10768	2.67	17.4	20.74	20.16	20.25	0	0.0	0	0.0	0.0	0.0	0.0	1700*	100.0	136887	15.92
THE CONNECTICUT LT & PWR CO(NU)																			
1974	38	0.0	12003	2.33	17.5	23.80	0.0	23.80	11188	99.7	144554	0.66	13.37	12.71	12.71	18*	0.2	138333	13.37
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	8310	100.0	145878	0.43	0.0	12.41	12.41	82*	1.0	136364	13.80
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	6620	100.0	146724	0.38	0.0	11.98	11.98	50*	0.7	137189	13.30
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	6901	100.0	146966	0.41	0.0	13.75	13.75	47*	0.7	136650	10.97
THE DAYTON POWER & LIGHT CO																			
1974	6125	32.1	10652	1.65	18.3	24.64	13.53	21.07	0	0.0	0	0.0	0.0	0.0	0.0	142	100.0	136000	12.57
1975	6101	42.3	10830	1.73	18.2	24.30	18.47	21.83	0	0.0	0	0.0	0.0	0.0	0.0	288	100.0	135916	13.58
1976	6375	62.6	11018	1.61	17.1	23.11	20.67	21.58	0	0.0	0	0.0	0.0	0.0	0.0	494	100.0	135728	14.18
1977	7212	62.6	10971	1.46	16.8	24.01	23.86	23.91	0	0.0	0	0.0	0.0	0.0	0.0	504	100.0	135924	16.21
THE DETROIT EDISON CO																			
1974	11931	73.2	11902	2.63	13.1	29.78	13.50	17.86	7687*	99.4	145576	1.07	12.29	10.37	10.38	1899	19.8	137083	11.24
1975	12680	76.8	11882	2.35	12.0	25.58	19.79	21.13	7191*	100.0	148520	1.02	0.0	12.39	12.39	1832	20.3	137018	11.68
1976	12322	92.0	11813	2.08	10.9	26.83	22.93	23.24	5740	97.8	148938	1.01	10.90	14.16	14.09	1512	20.8	136803	13.54
1977	13231	87.1	11799	2.05	10.6	29.98	24.06	24.82	6552	100.0	149430	1.00	0.0	16.84	16.84	2086	24.1	137221	15.08
THE HARTFORD ELEC LIGHT CO(NU)																			
1974	134	0.0	11938	2.14	15.2	27.17	0.0	27.17	7832	99.5	143672	0.64	13.20	12.69	12.69	35*	0.4	135439	13.07
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	5942	100.0	143929	0.49	0.0	12.31	12.31	68*	1.1	133794	13.40
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	4016	100.0	144478	0.48	0.0	11.87	11.87	1*	0.0	134742	15.11
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	3916	100.0	145042	0.48	0.0	13.61	13.61	25*	0.6	134173	16.10
THE KANSAS POWER & LIGHT CO																			
1974	143	21.9	11250	1.58	10.9	16.69	9.44	15.11	608*	0.0	150027	1.51	10.05	0.0	10.05	130	17.6	137500	11.95
1975	1138	90.7	9836	0.50	12.9	19.19	19.45	19.43	1597	0.0	150553	1.21	10.37	0.0	10.37	1192	42.7	138012	11.89
1976	1065	100.0	10130	0.51	11.0	0.0	21.70	21.70	1642*	0.3	150263	1.42	10.33	8.61	10.33	687	29.5	138423	12.56
1977	1554	99.8	9460	0.49	9.7	27.02	19.60	19.61	1280	0.0	149867	1.22	12.64	0.0	12.64	553	30.2	138311	14.72
THE MONTANA POWER CO																			
1974	494	100.0	8663	0.86	8.7	0.0	4.04	4.04	48*	0.0	146456	1.47	6.99	0.0	6.99	0	0.0	0	0.0
1975	897	100.0	8488	0.74	8.6	0.0	4.27	4.27	0	0.0	0	0.0	0.0	0.0	0.0	55*	100.0	91598	12.36
1976	2003	100.0	8631	0.76	8.5	0.0	4.53	4.53	0	0.0	0	0.0	0.0	0.0	0.0	91*	100.0	91800	10.63
1977	2911	100.0	8703	0.75	9.2	0.0	4.43	4.43	121*	100.0	148810	0.37	0.0	12.63	12.63	67*	35.6	91800	11.60
THE NARRAGANSETT ELEC CO(NEES)																			
1974	101	100.0	12076	0.84	10.9	0.0	38.06	38.06	1720	53.9	146316	0.99	12.61	11.22	11.86	0	0.0	0	0.0
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	1748	46.1	146381	0.79	11.47	11.11	11.30	0	0.0	0	0.0
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	996	100.0	146535	0.95	0.0	11.33	11.33	0	0.0	0	0.0
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	1296	52.4	147486	0.94	12.47	13.11	12.80	0	0.0	0	0.0
THE POTOMAC EDISON CO-MD (APS)																			
1974	263	100.0	10856	1.11	18.3	0.0	22.31	22.31	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	238	100.0	11968	1.06	13.5	25.00	27.58	27.58	0	0.0	0	0.0	0.0	0.0	0.0	3	100.0	136164	15.84
1976	369	36.7	11621	1.13	15.6	22.31	22.68	22.45	0	0.0	0	0.0	0.0	0.0	0.0	3	100.0	138675	16.41
1977	391	79.5	11093	1.02	16.2	19.86	17.80	18.22	0	0.0	0	0.0	0.0	0.0	0.0	6	100.0	138734	16.18
THE TOLEDO EDISON CO																			
1974	2056	64.0	11862	2.04	13.4	23.83	15.21	18.31	183	92.1	156496	1.00	7.12	11.83	11.45	107*	36.9	109723	12.42
1975	2027	65.9	11468	2.21	15.7	25.66	22.04	23.28	95	100.0	157369	1.20	0.0	12.35	12.35	61*	39.3	130074	14.34
1976	2291	62.8	11819	2.09	14.1	24.85	25.91	25.51	101	100.0	155614	1.20	0.0	10.26	10.26	48	32.2	137827	14.38
1977	2323	36.4	12169	2.49	11.8	28.59	27.83	28.31	99	100.0	151223	1.20	0.0	13.40	13.40	173	63.6	137051	15.79
THE TUCSON GAS & ELECTRIC CO																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	1994	100.0	148551	1.01	0.0	10.68	10.68	292	12.8	139377	10.05
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	1896	89.9	145983	0.89	11.73	12.05	12.02	250*	11.6	136990	13.33
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	1653*	100.0	146974	0.89	0.0	13.53	13.53	0	0.0	0	0.0
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	3086*	55.3	148051	0.89	14.23	14.38	14.31	100	3.1	139238	15.33

NATURAL GAS AMOUNT IN 1000 MCF	BTU CONT/ CU FT	AVERAGE PRICE IN $ PER MCF FIRM	IRPT	TOTL	% FIRM/ TOTAL	TOTAL QUANTITY DELIVERED IN BILLION BTUS COAL	OIL	GAS	TOTAL	% OF TOTAL BTUS COAL	OIL	GAS	TOTAL FUEL COST IN $1000 COAL	OIL	GAS	TOTAL	% OF FUEL COST COAL	OIL	GAS
THE CENTRAL NEB PUB PWR&IR DEPT																			
5746	923	0.46	0.0	0.46	0.0	0	1019	5305	6324	0.0	16.1	83.9	0	1183	2652	3835	0.0	30.8	69.2
4478	923	0.59	0.0	0.59	0.0	0	1636	4133	5769	0.0	28.4	71.6	0	2832	2629	5460	0.0	51.9	48.1
3408	933	0.74	0.0	0.74	0.0	0	2467	3180	5647	0.0	43.7	56.3	0	3828	2528	6357	0.0	60.2	39.8
5231	948	0.89	0.0	0.89	0.0	0	1386	4961	6347	0.0	21.8	78.2	0	2440	4675	7116	0.0	34.3	65.7
THE CENTRAL KANSAS POWER CO																			
2480	941	0.35	0.0	0.35	0.0	0	296	2333	2629	0.0	11.3	88.7	0	484	876	1360	0.0	35.6	64.4
2581	936	0.46	0.0	0.46	0.0	0	388	2415	2804	0.0	13.9	86.1	0	700	1175	1875	0.0	37.3	62.7
1524	935	0.55	0.0	0.55	0.0	0	805	1426	2231	0.0	36.1	63.9	0	1368	844	2212	0.0	61.9	38.1
2210	935	0.62	0.0	0.62	0.0	0	291	2067	2358	0.0	12.3	87.7	0	575	1378	1953	0.0	29.4	70.6
THE CINCINNATI GAS & ELECTRIC CO																			
7309	1005	0.0	0.72	0.72	100.0	59523	3155	7349	70027	85.0	4.5	10.5	39878	7181	5227	52286	76.3	13.7	10.0
1700	1008	0.0	1.37	1.37	100.0	86785	4112	1715	92611	93.7	4.4	1.9	64892	9702	2333	76926	84.4	12.6	3.0
1228	1015	0.0	1.46	1.46	100.0	97302	7145	1246	105693	92.1	6.8	1.2	86161	17598	1790	105550	81.6	16.7	1.7
0	0	0.0	0.0	0.0	0.0	95620	9777	0	105396	90.7	9.3	0.0	89894	27077	0	116971	76.9	23.1	0.0
THE CONNECTICUT LT & PWR CO(NU)																			
0	0	0.0	0.0	0.0	0.0	912	68030	0	68942	1.3	98.7	0.0	904	142460	0	143364	0.6	99.4	0.0
0	0	0.0	0.0	0.0	0.0	0	51384	0	51384	0.0	100.0	0.0	0	104228	0	104228	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	41083	0	41083	0.0	100.0	0.0	0	79978	0	79978	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	42867	0	42867	0.0	100.0	0.0	0	95394	0	95394	0.0	100.0	0.0
THE DAYTON POWER & LIGHT CO																			
0	0	0.0	0.0	0.0	0.0	130488	812	0	131300	99.4	0.6	0.0	129036	1785	0	130821	98.6	1.4	0.0
0	0	0.0	0.0	0.0	0.0	132141	1643	0	133785	98.8	1.2	0.0	133201	3909	0	137110	97.1	2.9	0.0
0	0	0.0	0.0	0.0	0.0	140468	2817	0	143284	98.0	2.0	0.0	137575	7004	0	144579	95.2	4.8	0.0
0	0	0.0	0.0	0.0	0.0	158242	2878	0	161120	98.2	1.8	0.0	172464	8172	0	180636	95.5	4.5	0.0
THE DETROIT EDISON CO																			
46016*	705	0.16	1.07	0.72	62.1	284007	57933	32447	374386	75.9	15.5	8.7	213067	101169	33160	347396	61.3	29.1	9.5
40748*	761	0.11	1.34	1.00	72.5	301321	55401	30996	387718	77.7	14.3	8.0	267935	110499	40843	419278	63.9	26.4	9.7
42680*	689	0.14	1.64	1.14	67.0	291118	44719	29424	365259	79.7	12.2	8.1	286405	101620	48725	436749	65.6	23.3	11.2
22448*	581	0.13	2.00	1.12	53.1	312224	53143	13045	378412	82.5	14.0	3.4	328401	141784	25188	495373	66.3	28.6	5.1
THE HARTFORD ELEC LIGHT CO(NU)																			
0	0	0.0	0.0	0.0	0.0	3199	47459	0	50658	6.3	93.7	0.0	3640	99831	0	103471	3.5	96.5	0.0
0	0	0.0	0.0	0.0	0.0	0	36302	0	36302	0.0	100.0	0.0	0	74074	0	74074	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	24375	0	24375	0.0	100.0	0.0	0	47700	0	47700	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	23996	0	23996	0.0	100.0	0.0	0	53710	0	53710	0.0	100.0	0.0
THE KANSAS POWER & LIGHT CO																			
47226	1017	0.35	0.0	0.35	0.0	3217	4584	48031	55833	5.8	8.2	86.0	2160	7668	16592	26420	8.2	29.0	62.8
32214	1016	0.47	0.0	0.47	0.0	22380	17007	32722	72109	31.0	23.6	45.4	22102	30745	15185	68033	32.5	45.2	22.3
31375	1004	0.80	0.0	0.80	0.0	21587	14360	31509	67457	32.0	21.3	46.7	23117	25594	25248	73958	31.3	34.6	34.1
36489	1011	1.05	0.0	1.05	0.0	29410	11270	36905	77585	37.9	14.5	47.6	30485	24319	38347	93152	32.7	26.1	41.2
THE MONTANA POWER CO																			
501	1180	0.0	0.34	0.34	100.0	8559	295	591	9445	90.6	3.1	6.3	1995	336	169	2500	79.8	13.4	6.8
419	1196	0.0	0.34	0.34	100.0	15228	212	502	15941	95.5	1.3	3.1	3829	680	144	4652	82.3	14.6	3.1
385	1202	0.0	0.48	0.48	100.0	34574	351	463	35388	97.7	1.0	1.3	9069	968	185	10222	88.7	9.5	1.8
723	1177	1.45	0.55	0.79	73.4	50670	1015	851	52536	96.4	1.9	1.6	12903	2306	568	15777	81.8	14.6	3.6
THE NARRAGANSETT ELEC CO(NEES)																			
0	0	0.0	0.0	0.0	0.0	2439	10570	0	13009	18.8	81.2	0.0	3844	20400	0	24245	15.9	84.1	0.0
0	0	0.0	0.0	0.0	0.0	0	10747	0	10747	0.0	100.0	0.0	0	19756	0	19756	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	6130	0	6130	0.0	100.0	0.0	0	11283	0	11283	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	8028	0	8028	0.0	100.0	0.0	0	16592	0	16592	0.0	100.0	0.0
THE POTOMAC EDISON CO-MD (APS)																			
0	0	0.0	0.0	0.0	0.0	5716	0	0	5716	100.0	0.0	0.0	5873	0	0	5873	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	5699	15	0	5715	99.7	0.3	0.0	6567	43	0	6610	99.4	0.6	0.0
0	0	0.0	0.0	0.0	0.0	8572	15	0	8586	99.8	0.2	0.0	8279	42	0	8322	99.5	0.5	0.0
0	0	0.0	0.0	0.0	0.0	8679	33	0	8712	99.6	0.4	0.0	7129	92	0	7221	98.7	1.3	0.0
THE TOLEDO EDISON CO																			
1109*	547	0.63	0.0	0.63	0.0	48775	1693	607	51074	95.5	3.3	1.2	37646	3418	696	41760	90.1	8.2	1.7
1549*	554	0.81	0.0	0.81	0.0	46484	960	857	48301	96.2	2.0	1.8	47177	2046	1249	50472	93.5	4.1	2.5
1707*	532	0.70	0.70	0.70	17.3	54151	935	908	55994	96.7	1.7	1.6	58451	1720	1195	61367	95.2	2.8	1.9
1882*	535	0.92	0.75	0.76	92.0	56542	1625	1006	59173	95.6	2.7	1.7	65774	4060	1438	71272	92.3	5.7	2.0
THE TUCSON GAS & ELECTRIC CO																			
11004	1077	0.0	0.57	0.57	100.0	0	14152	11849	26001	0.0	54.4	45.6	0	24233	6287	30520	0.0	79.4	20.6
5051	1071	0.0	0.80	0.80	100.0	0	13064	5410	18473	0.0	70.7	29.3	0	26120	4042	30162	0.0	86.6	13.4
5626	1069	0.0	0.89	0.89	100.0	0	10204	6014	16218	0.0	62.9	37.1	0	22365	4985	27349	0.0	81.8	18.2
10048	1064	0.0	1.17	1.17	100.0	0	19775	10691	30466	0.0	64.9	35.1	0	45696	11711	57406	0.0	79.6	20.4

	COAL								RESIDUAL OIL #6								FUEL OIL # 2			
	QUAN. DELIV.		AVERAGE CONTENT			AVERAGE PRICE IN $ PER TON			QUAN. DELIV.		AV. CONTENT		AVERAGE PRICE IN $ PER BBL			QUAN	% OF	BTU	AV.
YEAR	1000 TONS	% ON CONTR	BTU/ LB.	SULF WT %	ASH WT %	SPOT	CONTR	TOTAL	1000 BBLS	% ON CONTR	BTU/ GAL	SULF WT %	SPOT	CONTR	TOTAL	1000 BBLS	TOTAL #2+#6	CONT/ GAL	PRICE $/BBL
THE UNITED GAS IMP CO																			
1974	278	100.0	8894	0.50	23.7	0.0	8.78	8.78	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	310	100.0	8465	0.50	25.8	0.0	9.30	9.30	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	164	100.0	9005	0.55	23.3	0.0	13.93	13.93	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	206	100.0	8888	0.55	24.0	0.0	14.38	14.38	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
THE UNITED ILLUMINATING CO																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	7532	100.0	144919	0.39	0.0	11.94	11.94	2*	0.0	134252	12.68
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	7486	99.2	144758	0.39	12.20	12.19	12.19	8*	0.1	134619	12.92
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	8502	100.0	145935	0.32	0.0	11.76	11.76	25*	0.3	137087	13.68
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	8079	100.0	146015	0.27	0.0	13.80	13.80	26*	0.3	137117	15.80
TRAVERSE, CITY OF																			
1974	11	100.0	12000	1.50	7.5	0.0	21.72	21.72	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	47	100.0	12038	1.09	10.1	0.0	34.14	34.14	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	61	100.0	12892	0.77	6.8	0.0	30.04	30.04	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	62	100.0	12503	0.89	8.9	0.0	32.87	32.87	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
UNION ELECTRIC																			
1974	8695	100.0	11209	2.73	10.0	17.68	10.14	10.14	942	100.0	150000	2.19	0.0	11.53	11.53	496*	34.5	136087	12.15
1975	10326	92.2	11204	2.84	9.8	21.49	12.03	12.76	781	100.0	150097	2.12	0.0	11.20	11.20	426*	35.3	136415	12.70
1976	11998	89.8	11171	2.85	10.3	20.52	14.23	14.87	508	100.0	150544	1.81	0.0	10.92	10.92	757*	59.8	137129	14.08
1977	12190	86.8	11175	2.52	10.1	27.96	16.19	17.75	519	100.0	151819	1.81	0.0	12.45	12.45	757*	59.3	137006	16.15
UNITED POWER ASSOCIATION																			
1974	987*	97.0	7302	0.82	7.2	20.80	2.86	3.40	50*	59.1	144180	0.57	12.77	13.01	12.91	41	44.8	136263	12.65
1975	747*	77.0	7395	0.80	9.2	15.08	3.35	6.05	9*	0.0	136000	1.50	13.01	0.0	13.01	15	62.9	136708	12.09
1976	791	99.8	6881	0.71	9.4	20.86	4.54	4.57	20*	0.0	139542	1.43	13.80	0.0	13.80	17	45.4	137299	14.45
1977	731	100.0	6827	0.65	8.9	0.0	5.97	5.97	8*	0.0	139470	1.37	15.26	0.0	15.26	46	84.6	137156	16.03
UNIVERSITY OF ILLINOIS																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	472	100.0	139082	7.74
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	367	100.0	138297	11.62
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	406	100.0	138544	13.04
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	423	100.0	138853	15.39
UPPER PENINSULA GEN CO																			
1974	737	53.6	11796	1.47	11.7	36.48	26.80	31.29	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	839	67.1	12358	1.16	8.9	33.36	31.98	32.44	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	1187	37.2	12470	0.91	8.9	30.03	34.81	31.81	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	925	95.1	11491	0.79	8.5	30.38	31.17	31.13	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
UPPER PENINSULA POWER																			
1974	95	42.1	11765	2.30	13.6	34.69	36.94	35.64	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	79	0.0	12763	2.10	10.4	33.23	0.0	33.23	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	89	100.0	12304	0.87	9.5	0.0	30.08	30.08	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	29	0.0	12651	1.72	10.0	30.62	0.0	30.62	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
UTAH POWER & LIGHT																			
1974	3441	99.6	10298	0.49	6.4	7.66	6.62	6.62	87	0.0	143679	0.53	9.85	0.0	9.85	7	7.4	140000	13.42
1975	3674	100.0	10823	0.51	8.0	0.0	9.30	9.30	120	0.0	143710	0.38	9.60	0.0	9.60	246	67.2	140000	13.70
1976	3787	100.0	10596	0.51	8.8	0.0	11.39	11.39	31	38.7	152206	0.40	9.57	9.35	9.48	339	91.6	140000	14.64
1977	5149	100.0	10563	0.59	9.7	0.0	13.69	13.69	218	100.0	158582	0.40	0.0	13.16	13.16	77	26.1	140000	15.27
UTIL BD CITY OF KEY WEST																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	678	100.0	147378	2.09	0.0	9.88	9.88	0	0.0	0	0.0
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	679	100.0	147601	2.21	0.0	9.53	9.53	0	0.0	0	0.0
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	676	100.0	146775	2.19	0.0	9.38	9.38	0	0.0	0	0.0
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	665	100.0	148037	2.19	0.0	11.78	11.78	0	0.0	0	0.0
VERO BEACH MUNI UTILS																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	275	100.0	149060	1.87	0.0	10.61	10.61	0	0.1	138000	11.71
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	433	100.0	147741	2.12	0.0	11.24	11.24	0	0.0	0	0.0
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	497*	100.0	148873	1.94	0.0	11.49	11.49	7	1.3	138000	13.93
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	378*	100.0	147291	1.31	0.0	14.47	14.47	1	0.3	138000	15.41
VINELAND, CITY OF																			
1974	8	0.0	13622	1.19	9.3	28.11	0.0	28.11	544	38.7	148021	1.56	12.38	11.66	12.10	10	1.7	138886	13.90
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	343	40.0	146628	0.83	12.79	12.57	12.70	23	6.2	138420	14.08
1976	2	100.0	13300	0.82	10.0	0.0	31.73	31.73	291	100.0	145720	0.84	0.0	11.95	11.95	95	24.5	143864	13.14
1977	61	97.2	11899	1.16	12.1	31.18	32.11	32.08	283	100.0	145733	1.18	0.0	14.13	14.13	33	10.4	137210	15.76
VIRGINIA, MINN DEPT OF PUB UTIL																			
1974	60	100.0	8841	0.72	11.3	0.0	14.93	14.93	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	121	98.6	8630	0.67	10.7	24.87	15.99	16.11	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	124	98.8	8830	0.83	10.1	23.35	19.11	19.16	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	114	99.3	9196	0.83	9.7	50.60	22.18	22.38	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0

NATURAL GAS						TOTAL QUANTITY DELIVERED IN BILLION BTUS				% OF TOTAL BTUS			TOTAL DELIVERED FUEL COST IN $1000				% OF FUEL COST		
AMOUNT IN 1000 MCF	BTU CONT/ CU FT	AVERAGE PRICE IN $ PER MCF FIRM	IRPT	TOTL	% FIRM/ TOTAL	COAL	OIL	GAS	TOTAL	COAL	OIL	GAS	COAL	OIL	GAS	TOTAL	COAL	OIL	GAS
THE UNITED GAS IMP CO																			
0	0	0.0	0.0	0.0	0.0	4940	0	0	4940	100.0	0.0	0.0	2438	0	0	2438	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	5252	0	0	5252	100.0	0.0	0.0	2885	0	0	2885	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	2945	0	0	2945	100.0	0.0	0.0	2278	0	0	2278	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	3653	0	0	3653	100.0	0.0	0.0	2955	0	0	2955	100.0	0.0	0.0
THE UNITED ILLUMINATING CO																			
0	0	0.0	0.0	0.0	0.0	0	45857	0	45857	0.0	100.0	0.0	0	89974	0	89974	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	45561	0	45561	0.0	100.0	0.0	0	91340	0	91340	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	52256	0	52256	0.0	100.0	0.0	0	100358	0	100358	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	49697	0	49697	0.0	100.0	0.0	0	111876	0	111876	0.0	100.0	0.0
TRAVERSE, CITY OF																			
135	1026	0.71	0.0	0.71	0.0	264	0	138	402	65.6	0.0	34.4	239	0	96	334	71.4	0.0	28.6
501	1034	1.03	0.0	1.03	0.0	1132	0	518	1650	68.6	0.0	31.4	1605	0	517	2121	75.6	0.0	24.4
526	1065	1.35	0.0	1.35	0.0	1573	0	560	2133	73.7	0.0	26.3	1832	0	711	2543	72.0	0.0	28.0
412	1031	1.66	0.0	1.66	0.0	1550	0	425	1975	78.5	0.0	21.5	2038	0	685	2723	74.8	0.0	25.2
UNION ELECTRIC																			
0	0	0.0	0.0	0.0	0.0	194932	8771	0	203703	95.7	4.3	0.0	88202	16893	0	105095	83.9	16.1	0.0
28	1030	1.40	0.0	1.40	0.0	231381	7364	29	238774	96.9	3.1	0.0	131769	14158	39	145966	90.3	9.7	0.0
706	1028	1.42	0.0	1.42	0.0	268055	7572	726	276352	97.0	2.7	0.3	178421	16202	1003	195626	91.2	8.3	0.5
3425	1033	1.99	0.0	1.99	0.0	272435	7665	3538	283637	96.1	2.7	1.2	216367	18687	6831	241885	89.5	7.7	2.8
UNITED POWER ASSOCIATION																			
218	1000	0.57	0.0	0.57	0.0	14413	536	218	15167	95.0	3.5	1.4	3352	1162	124	4638	72.3	25.0	2.7
256	1000	0.78	0.0	0.78	0.0	11051	138	256	11445	96.6	1.2	2.2	4518	298	199	5015	90.1	6.0	4.0
11	1000	1.04	0.0	1.04	0.0	10880	214	11	11105	98.0	1.9	0.1	3616	519	11	4146	87.2	12.5	0.3
0	0	0.0	0.0	0.0	0.0	9987	311	0	10299	97.0	3.0	0.0	4369	858	0	5227	83.6	16.4	0.0
UNIVERSITY OF ILLINOIS																			
0	0	0.0	0.0	0.0	0.0	0	2759	0	2759	0.0	100.0	0.0	0	3655	0	3655	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	2133	0	2133	0.0	100.0	0.0	0	4266	0	4266	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	2361	0	2361	0.0	100.0	0.0	0	5289	0	5289	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	2469	0	2469	0.0	100.0	0.0	0	6515	0	6515	0.0	100.0	0.0
UPPER PENINSULA GEN CO																			
0	0	0.0	0.0	0.0	0.0	17388	0	0	17388	100.0	0.0	0.0	23061	0	0	23061	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	20737	0	0	20737	100.0	0.0	0.0	27215	0	0	27215	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	29604	0	0	29604	100.0	0.0	0.0	37757	0	0	37757	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	21258	0	0	21258	100.0	0.0	0.0	28799	0	0	28799	100.0	0.0	0.0
UPPER PENINSULA POWER																			
0	0	0.0	0.0	0.0	0.0	2235	0	0	2235	100.0	0.0	0.0	3385	0	0	3385	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	2017	0	0	2017	100.0	0.0	0.0	2625	0	0	2625	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	2190	0	0	2190	100.0	0.0	0.0	2677	0	0	2677	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	734	0	0	734	100.0	0.0	0.0	888	0	0	888	100.0	0.0	0.0
UTAH POWER & LIGHT																			
3049	946	0.39	0.0	0.39	0.0	70874	566	2885	74325	95.4	0.8	3.9	22792	951	1178	24921	91.5	3.8	4.7
2630	941	0.58	0.0	0.58	0.0	79525	2171	2475	84170	94.5	2.6	2.9	34176	4522	1514	40211	85.0	11.2	3.8
2359	951	0.90	0.83	0.90	3.3	80255	2192	2243	84691	94.8	2.6	2.6	43117	5259	2118	50495	85.4	10.4	4.2
4722	944	1.04	0.0	1.04	0.0	108780	1905	4457	115141	94.5	1.7	3.9	70499	4045	4915	79459	88.7	5.1	6.2
UTIL BD CITY OF KEY WEST																			
0	0	0.0	0.0	0.0	0.0	0	4195	0	4195	0.0	100.0	0.0	0	6697	0	6697	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	4208	0	4208	0.0	100.0	0.0	0	6467	0	6467	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	4169	0	4169	0.0	100.0	0.0	0	6345	0	6345	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	4137	0	4137	0.0	100.0	0.0	0	7834	0	7834	0.0	100.0	0.0
VERO BEACH MUNI UTILS																			
1449	1055	0.60	0.0	0.60	0.0	0	1721	1529	3250	0.0	53.0	47.0	0	2917	865	3782	0.0	77.1	22.9
660	1056	0.64	0.0	0.64	0.0	0	2687	696	3383	0.0	79.4	20.6	0	4866	422	5288	0.0	92.0	8.0
120	1056	0.75	0.0	0.75	0.0	0	3146	127	3273	0.0	96.1	3.9	0	5803	90	5893	0.0	98.5	1.5
1344	1056	0.96	1.10	1.00	24.6	0	2344	1419	3763	0.0	62.3	37.7	0	5484	1339	6823	0.0	80.4	19.6
VINELAND, CITY OF																			
0	0	0.0	0.0	0.0	0.0	227	3565	0	3792	6.0	94.0	0.0	234	6964	0	7198	3.3	96.7	0.0
0	0	0.0	0.0	0.0	0.0	0	2244	0	2244	0.0	100.0	0.0	0	4675	0	4675	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	43	2350	0	2392	1.8	98.2	0.0	51	4716	0	4766	1.1	98.9	0.0
0	0	0.0	0.0	0.0	0.0	1448	1921	0	3369	43.0	57.0	0.0	1952	4515	0	6467	30.2	69.8	0.0
VIRGINIA, MINN DEPT OF PUB UTIL																			
0	0	0.0	0.0	0.0	0.0	1068	0	0	1068	100.0	0.0	0.0	902	0	0	902	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	2087	0	0	2087	100.0	0.0	0.0	1948	0	0	1948	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	2181	0	0	2181	100.0	0.0	0.0	2366	0	0	2366	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	2103	0	0	2103	100.0	0.0	0.0	2559	0	0	2559	100.0	0.0	0.0

	COAL								RESIDUAL OIL #6							FUEL OIL # 2			
	QUAN. DELIV.		AVERAGE CONTENT			AVERAGE PRICE IN $ PER TON			QUAN. DELIV.		AV. CONTENT		AVERAGE PRICE IN $ PER BBL			QUAN	% OF	BTU	AV.
YEAR	1000 TONS	% ON CONTR	BTU/ LB	SULF WT %	ASH WT %	SPOT	CONTR	TOTAL	1000 BBLS	% ON CONTR	BTU/ GAL	SULF WT %	SPOT	CONTR	TOTAL	1000 BBLS	TOTAL #2+#6	CONT/ GAL	PRICE $/BBL
VIRGINIA ELECTRIC & POWER																			
1974	2513	54.6	11442	1.76	17.9	26.23	14.69	19.93	25317	98.2	148861	2.14	11.62	10.26	10.29	976*	3.7	139995	12.35
1975	4380	54.7	11491	1.64	16.7	23.36	19.76	21.39	25398	100.0	147919	1.65	0.0	11.57	11.57	1596*	5.9	139977	13.03
1976	5740	58.3	11761	1.44	14.9	20.82	23.79	22.55	23828	99.0	147921	1.62	10.99	11.10	11.10	2021*	7.8	139930	14.21
1977	5331	55.2	11763	1.55	15.1	24.58	25.82	25.27	26279	92.2	148196	1.62	13.71	13.29	13.32	2788*	9.6	139970	16.30
WASHINGTON WTR PWR CO																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	3*	100.0	125900	14.89
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	1*	100.0	133548	15.05
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0*	100.0	133507	15.08
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	1*	100.0	133500	15.71
WELLINGTON, CITY OF																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	63	100.0	139639	12.91
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	11	100.0	139285	11.99
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	3	100.0	138887	13.92
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	2	100.0	139150	15.37
WEST PENN POWER (APS)																			
1974	4384	73.4	11973	2.16	14.4	26.51	12.26	16.06	1195	100.0	145163	0.63	0.0	16.20	16.20	264	18.1	137761	13.31
1975	5892	65.0	12121	2.07	13.7	23.68	20.66	21.72	248	100.0	145440	0.35	0.0	17.11	17.11	83	25.1	138093	13.16
1976	5798	76.1	12293	2.28	13.7	21.65	19.26	19.83	160	100.0	150262	0.26	0.0	16.27	16.27	52	24.4	137892	14.08
1977	5648	82.0	12210	2.21	13.8	21.09	19.63	19.89	863	100.0	147515	0.45	0.0	14.81	14.81	191	18.1	142259	15.92
WEST TEXAS UTILITIES (CSW)																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	318*	100.0	144090	0.43	0.0	12.22	12.22	51	13.8	139467	12.47
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	338*	100.0	143482	0.40	0.0	10.63	10.63	37	9.7	139599	11.31
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	459*	100.0	145466	0.55	0.0	10.98	10.98	16	3.4	140586	11.67
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	155*	100.0	149304	0.58	0.0	13.18	13.18	46	22.9	140928	12.38
WESTERN FARMERS ELECTRIC COOP																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	163*	0.0	147500	2.00	10.16	0.0	10.16	0	0.0	0	0.0
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	3*	0.0	147500	2.00	10.14	0.0	10.14	2	40.4	138500	10.81
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	21	100.0	138500	12.63
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	7*	0.0	148000	2.00	12.20	0.0	12.20	114	94.1	138500	15.80
W ILLINOIS PWR COOP																			
1974	12*	89.9	11288	3.37	9.9	26.78	12.29	13.75	0	0.0	0	0.0	0.0	0.0	0.0	4	100.0	138000	12.01
1975	78	93.1	10968	3.24	11.1	19.58	18.35	18.43	0	0.0	0	0.0	0.0	0.0	0.0	5	100.0	138000	13.26
1976	73	100.0	11136	3.33	11.8	0.0	19.44	19.44	0	0.0	0	0.0	0.0	0.0	0.0	8	100.0	138000	14.60
1977	78	96.1	10825	3.14	12.3	20.08	18.91	18.95	0	0.0	0	0.0	0.0	0.0	0.0	39	100.0	137588	16.83
WESTERN MASS ELECTRIC (NU)																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	1461	100.0	145845	0.97	0.0	11.75	11.75	8	0.5	137388	13.72
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	1140	100.0	147428	0.87	0.0	12.19	12.19	36*	3.1	137819	12.94
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	716	100.0	146926	0.83	0.0	12.29	12.29	27*	3.6	137874	14.44
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	651	100.0	148156	1.88	0.0	13.22	13.22	21	3.1	137557	15.81
WHEATLAND ELEC COOP																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	13	100.0	138225	13.28
WILLMAR MUN UTIL COMM																			
1974	15	100.0	9789	1.26	7.1	0.0	17.45	17.45	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	38	100.0	9286	0.96	7.0	0.0	19.24	19.24	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	42	100.0	10622	1.36	7.4	0.0	27.10	27.10	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	59	100.0	9010	0.72	6.9	0.0	21.58	21.58	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
WINFIELD MUN ELEC LT DEPT																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	9	100.0	140000	12.47
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	5	100.0	140000	13.31
1976	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	18	100.0	142000	13.44
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	53	100.0	142000	14.86
WINNETKA, VILLAGE OF																			
1974	7	62.2	13064	0.72	6.7	37.08	30.91	33.24	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	7	0.0	10831	0.69	3.6	37.60	0.0	37.60	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	3	0.0	10249	0.69	3.5	42.55	0.0	42.55	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	6	0.0	10100	0.69	3.4	49.26	0.0	49.26	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
WISCONSIN ELECTRIC POWER																			
1974	3942	81.0	11249	1.96	10.1	18.79	13.26	14.31	47	0.0	149607	1.44	11.56	0.0	11.56	23	33.2	137615	13.21
1975	4531	90.3	11284	2.26	10.3	27.07	17.44	18.38	167	0.0	148624	2.10	9.83	0.0	9.83	173	50.9	137444	13.34
1976	4532	99.7	11379	2.33	9.7	18.68	18.94	18.94	0	0.0	0	0.0	0.0	0.0	0.0	592	100.0	138012	13.25
1977	3988	90.9	11261	2.43	9.9	27.08	19.88	20.54	0	0.0	0	0.0	0.0	0.0	0.0	747	100.0	138321	15.51

NATURAL GAS AMOUNT IN 1000 MCF	BTU CONT/ CU FT	AVERAGE PRICE IN $ PER MCF FIRM	IRPT	TOTL	% FIRM/ TOTAL	TOTAL QUANTITY DELIVERED IN BILLION BTUS COAL	OIL	GAS	TOTAL	% OF TOTAL BTUS COAL	OIL	GAS	TOTAL DELIVERED FUEL COST IN $1000 COAL	OIL	GAS	TOTAL	% OF FUEL COST COAL	OIL	GAS
VIRGINIA ELECTRIC & POWER																			
246*	1021	0.62	0.55	0.56	79.7	57506	164025	251	221782	25.9	74.0	0.1	50080	272472	138	322690	15.5	84.4	0.0
249*	1167	1.27	0.0	1.27	0.0	100669	167170	291	268130	37.5	62.3	0.1	93707	314564	315	408586	22.9	77.0	0.1
373*	1102	1.30	0.0	1.30	0.0	135016	159914	411	295341	45.7	54.1	0.1	129460	293183	484	423126	30.6	69.3	0.1
1204*	1181	1.94	0.0	1.94	0.0	125412	179956	1422	306790	40.9	58.7	0.5	134688	395568	2336	532592	25.3	74.3	0.4
WASHINGTON WTR PWR CO																			
0	0	0.0	0.0	0.0	0.0	0	14	0	14	0.0	100.0	0.0	0	39	0	39	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	5	0	5	0.0	100.0	0.0	0	13	0	13	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	2	0	2	0.0	100.0	0.0	0	6	0	6	0.0	100.0	0.0
0	0	0.0	0.0	0.0	0.0	0	5	0	5	0.0	100.0	0.0	0	14	0	14	0.0	100.0	0.0
WELLINGTON,CITY OF																			
382	1031	0.41	0.0	0.41	0.0	0	367	394	761	0.0	48.2	51.8	0	808	157	965	0.0	83.7	16.3
668	1061	0.55	0.0	0.55	0.0	0	66	708	774	0.0	8.5	91.5	0	134	364	498	0.0	27.0	73.0
755	1057	0.71	0.0	0.71	0.0	0	19	798	817	0.0	2.3	97.7	0	46	538	584	0.0	7.8	92.2
754	1027	1.03	0.0	1.03	0.0	0	11	775	786	0.0	1.4	98.6	0	29	774	803	0.0	3.6	96.4
WEST PENN POWER (APS)																			
0	0	0.0	0.0	0.0	0.0	104991	8815	0	113806	92.3	7.7	0.0	70397	22884	0	93281	75.5	24.5	0.0
12	1000	0.0	1.47	1.47	100.0	142833	1994	12	144839	98.6	1.4	0.0	127962	5329	17	133308	96.0	4.0	0.0
29	1000	0.0	1.64	1.64	100.0	142550	1309	29	143889	99.1	0.9	0.0	114965	3332	48	118345	97.1	2.8	0.0
11	1000	0.0	2.07	2.07	100.0	137923	6491	11	144425	95.5	4.5	0.0	112360	15831	23	128215	87.6	12.3	0.0
WEST TEXAS UTILITIES (CSW)																			
35842	1035	0.46	0.38	0.40	76.8	0	2223	37091	39314	0.0	5.7	94.3	0	4521	14276	18797	0.0	24.1	75.9
41718	1024	0.81	0.22	0.80	2.2	0	2254	42726	44980	0.0	5.0	95.0	0	4011	33342	37353	0.0	10.7	89.3
42030	1038	1.46	0.21	1.16	24.1	0	2902	43647	46549	0.0	6.2	93.8	0	5233	48740	53973	0.0	9.7	90.3
48584	1019	1.71	0.23	1.38	21.7	0	1243	49522	50765	0.0	2.4	97.6	0	2610	67286	69896	0.0	3.7	96.3
WESTERN FARMERS ELECTRIC COOP																			
11371	1046	0.53	0.30	0.33	90.4	0	1010	11894	12904	0.0	7.8	92.2	0	1656	3696	5353	0.0	30.9	69.1
15545	1044	0.67	0.58	0.59	99.0	0	31	16222	16254	0.0	0.2	99.8	0	54	9105	9159	0.0	0.6	99.4
20384	1050	0.82	0.97	0.97	99.3	0	122	21408	21531	0.0	0.6	99.4	0	265	19759	20024	0.0	1.3	98.7
22693	1045	1.89	1.30	1.31	97.8	0	705	23712	24418	0.0	2.9	97.1	0	1883	29748	31631	0.0	6.0	94.0
W ILLINOIS PWR COOP																			
0	0	0.0	0.0	0.0	0.0	274	22	0	296	92.5	7.5	0.0	167	46	0	212	78.4	21.6	0.0
0	0	0.0	0.0	0.0	0.0	1705	30	0	1735	98.3	1.7	0.0	1432	68	0	1501	95.4	4.6	0.0
0	0	0.0	0.0	0.0	0.0	1634	45	0	1679	97.3	2.7	0.0	1426	114	0	1540	92.6	7.4	0.0
0	0	0.0	0.0	0.0	0.0	1695	227	0	1922	88.2	11.8	0.0	1484	661	0	2145	69.2	30.8	0.0
WESTERN MASS ELECTRIC (NU)																			
1931	1000	1.42	0.0	1.42	0.0	0	8995	1931	10926	0.0	82.3	17.7	0	17277	2739	20017	0.0	86.3	13.7
681	1000	1.29	0.0	1.29	0.0	0	7267	681	7948	0.0	91.4	8.6	0	14363	879	15242	0.0	94.2	5.8
812	1000	1.55	0.0	1.55	0.0	0	4575	812	5387	0.0	84.9	15.1	0	9188	1259	10446	0.0	88.0	12.0
648	1000	1.90	0.0	1.90	0.0	0	4172	648	4820	0.0	86.6	13.4	0	8940	1231	10171	0.0	87.9	12.1
WHEATLAND ELEC COOP																			
3265	952	0.51	0.43	0.45	82.7	0	77	3107	3183	0.0	2.4	97.6	0	176	1457	1633	0.0	10.8	89.2
WILLMAR MUN UTIL COMM																			
222	1000	0.51	0.0	0.51	0.0	295	0	222	517	57.0	0.0	43.0	263	0	113	376	69.9	0.0	30.1
0	0	0.0	0.0	0.0	0.0	698	0	0	698	100.0	0.0	0.0	723	0	0	723	100.0	0.0	0.0
0	0	0.0	0.0	0.0	0.0	899	0	0	899	100.0	0.0	0.0	1147	0	0	1147	100.0	0.0	0.0
9	1000	1.14	0.0	1.14	0.0	1067	0	9	1076	99.2	0.0	0.8	1278	0	10	1288	99.2	0.0	0.8
WINFIELD MUN ELEC LT DEPT																			
558	1141	0.34	0.0	0.34	0.0	0	52	636	688	0.0	7.5	92.5	0	110	191	301	0.0	36.6	63.4
876	1145	0.74	0.0	0.74	0.0	0	27	1003	1030	0.0	2.6	97.4	0	61	652	713	0.0	8.6	91.4
848	1138	0.97	0.0	0.97	0.0	0	107	965	1071	0.0	10.0	90.0	0	240	820	1060	0.0	22.7	77.3
10	1137	0.97	0.97	0.97	9.3	0	316	12	327	0.0	96.5	3.5	0	786	10	796	0.0	98.8	1.2
WINNETKA, VILLAGE OF																			
301	1038	0.81	0.0	0.81	0.0	179	0	313	491	36.3	0.0	63.7	227	0	245	472	48.1	0.0	51.9
126	1038	1.13	0.0	1.13	0.0	141	0	131	273	51.9	0.0	48.1	246	0	143	388	63.2	0.0	36.8
86	1030	1.82	0.0	1.82	0.0	68	0	89	157	43.5	0.0	56.5	142	0	157	299	47.5	0.0	52.5
34	1020	2.23	0.0	2.23	0.0	124	0	34	159	78.3	0.0	21.7	303	0	75	379	80.1	0.0	19.9
WISCONSIN ELECTRIC POWER																			
9413	1021	0.56	0.0	0.56	0.0	88678	433	9613	98723	89.8	0.4	9.7	56412	857	5283	62551	90.2	1.4	8.4
5423	1023	0.86	0.0	0.86	0.0	102250	2040	5548	109838	93.1	1.9	5.1	83253	3947	4684	91884	90.6	4.3	5.1
1820	1017	1.47	0.0	1.47	0.0	103143	3434	1852	108429	95.1	3.2	1.7	85844	7849	2670	96363	89.1	8.1	2.8
2040	1016	1.89	0.0	1.89	0.0	89826	4341	2071	96239	93.3	4.5	2.2	81909	11585	3849	97343	84.1	11.9	4.0

	COAL								RESIDUAL OIL #6							FUEL OIL # 2			
	QUAN. DELIV.		AVERAGE CONTENT			AVERAGE PRICE IN $ PER TON			QUAN. DELIV.		AV. CONTENT		AVERAGE PRICE IN $ PER BBL			QUAN	% OF	BTU	AV.
YEAR	1000 TONS	% ON CONTR	BTU/ LB	SULF WT %	ASH WT %	SPOT	CONTR	TOTAL	1000 BBLS	% ON CONTR	BTU/ GAL	SULF WT %	SPOT	CONTR	TOTAL	1000 BBLS	TOTAL #2+#6	CONT/ GAL	PRICE $/BBL
WISCONSIN POWER & LIGHT																			
1974	2418	74.0	10583	2.88	10.5	22.06	12.59	15.05	0	0.0	0	0.0	0.0	0.0	0.0	144	100.0	137327	11.15
1975	3658	94.8	9786	2.10	9.2	23.85	13.99	14.50	0	0.0	0	0.0	0.0	0.0	0.0	18	100.0	137160	11.81
1976	3769*	96.2	9638	1.77	9.3	25.07	15.27	15.64	0	0.0	0	0.0	0.0	0.0	0.0	59	100.0	136553	13.97
1977	3804*	94.1	9587	1.70	9.6	21.36	16.60	16.88	0	0.0	0	0.0	0.0	0.0	0.0	658	100.0	139200	15.59
WISCONSIN PUBLIC SERVICE CORP																			
1974	1261*	91.6	11555	3.03	12.4	28.09	23.69	24.06	0	0.0	0	0.0	0.0	0.0	0.0	1*	100.0	137000	10.78
1975	1138	100.0	11616	2.92	10.5	0.0	26.32	26.32	0	0.0	0	0.0	0.0	0.0	0.0	70*	100.0	137464	12.89
1976	1067*	100.0	11784	2.82	11.0	26.41	26.07	26.07	0	0.0	0	0.0	0.0	0.0	0.0	111*	100.0	137322	14.38
1977	1116*	95.7	11899	3.24	11.0	29.14	27.81	27.86	0	0.0	0	0.0	0.0	0.0	0.0	157*	100.0	137726	14.74
WYANDOTTE DEPT OF MUN SERVICE																			
1974	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1975	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1976	161	100.0	14113	1.27	6.1	0.0	16.65	16.65	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0
1977	0	0.0	0	0.0	0.0	0.0	0.0	0.0	0	0.0	0	0.0	0.0	0.0	0.0	0	0.0	0	0.0

NATURAL GAS						TOTAL QUANTITY DELIVERED							TOTAL DELIVERED FUEL COST						
AMOUNT IN 1000 MCF	BTU CONT/ CU FT	AVERAGE PRICE IN $ PER MCF FIRM	IRPI	TOTL	% FIRM/ TOTAL	IN BILLION BTUS COAL	OIL	GAS	TOTAL	% OF TOTAL BTUS COAL	OIL	GAS	IN $1000 COAL	OIL	GAS	TOTAL	% OF FUEL COST COAL	OIL	GAS
						WISCONSIN POWER & LIGHT													
3574	1010	0.56	0.0	0.56	0.0	51187	830	3610	55626	92.0	1.5	6.5	36386	1605	1995	39986	91.0	4.0	5.0
2407	1004	0.80	0.0	0.80	0.0	71601	104	2417	74122	96.6	0.1	3.3	53064	214	1926	55205	96.1	0.4	3.5
1450	1001	1.00	0.0	1.00	0.0	72653	337	1451	74441	97.6	0.5	1.9	58944	821	1443	61208	96.3	1.3	2.4
467	1002	1.89	0.0	1.89	0.0	72929	3844	469	77241	94.4	5.0	0.6	64206	10248	882	75336	85.2	13.6	1.2
						WISCONSIN PUBLIC SERVICE CORP													
3412	1027	0.66	0.68	0.67	9.7	29143	6	3503	32652	89.3	0.0	10.7	30343	11	2270	32624	93.0	0.0	7.0
2951	1023	1.01	0.0	1.01	0.0	26450	403	3018	29870	88.5	1.3	10.1	29971	899	2990	33859	88.5	2.7	8.8
2698	1021	1.36	0.0	1.36	0.0	25147	638	2756	28541	88.1	2.2	9.7	27822	1590	3661	33073	84.1	4.8	11.1
948	1021	1.76	0.0	1.76	0.0	26557	909	968	28434	93.4	3.2	3.4	31095	2317	1673	35085	88.6	6.6	4.8
						WYANDOTTE DEPT OF MUN SERVICE													
2131	1018	0.70	0.78	0.72	24.8	0	0	2169	2169	0.0	0.0	100.0	0	0	1531	1531	0.0	0.0	100.0
2138	1011	1.09	0.95	1.04	33.1	0	0	2162	2162	0.0	0.0	100.0	0	0	2229	2229	0.0	0.0	100.0
2199	1011	1.33	1.45	1.37	34.5	4544	0	2223	6768	67.1	0.0	32.9	2681	0	3023	5704	47.0	0.0	53.0
2085	1011	1.65	1.79	1.70	37.5	0	0	2108	2108	0.0	0.0	100.0	0	0	3551	3551	0.0	0.0	100.0

EXPLANATORY NOTES TO
APPENDIX II

COAL - Includes all types of Coal, Imported Coal; and relatively small quantities of Petroleum Coke. Tonnages followed by an asterisk include some petroleum coke.

RESIDUAL OIL #6 - Includes FO_4, FO_5, FO_6, Crude, and Topped Crude. An asterisk following the quantity identifies the utilities receiving various heavy fuels in addition to FO_6.

FUEL OIL #2 - Includes FO_2, Kerosene, Jet Fuel, Rerefined Motor Oil and LPG. An asterisk identifes the utilities receiving various light fuel Oils in addition to FO_2.

NATURAL GAS - Includes Natural Gas, small quantities of Blast Furnace Gas, Coke Oven Gas, and Refinery Gas. An asterisk identifies the utilities receiving various gaseous fuels in addition to natural gas.

ABBREVIATIONS:

CONTR - Contract Purchase

SULF WT % - Percent Sulfur by Weight

% OF TOTAL #2 + #6 - Light Oil Deliveries as Percent of Total Oil Deliveries

CONT - Content

IRPT - Interruptible Gas

% OF FUEL COST - Share of Each Fuel As a Percentage of The Total Cost of All Fossil Fuels

Computer rounding may cause small quantities to appear as 0.

20 LARGEST COMPANIES RANKED BY TOTAL BTU'S DELIVERED IN 1977

	Company Name	Total Btu's (Billions)	Total Cost ($1000)
1.	Tennessee Valley Authority	819,495	851,642
2.	Southern California Edison	558,367	1,069,776
3.	Houston Lighting & Power	485,122	513,577
4.	Pacific Gas & Electric (SC)	478,807	1,084,046
5.	Georgia Power (SC)	464,026	556,303
6.	The Detroit Edison Company	378,424	495,413
7.	Duke Power	372,529	481,706
8.	Commonwealth Edison	364,112	483,641
9.	Texas Power & Light (TU)	339,743	295,589
10.	Virginia Electric & Power	306,795	532,598
11.	Pennsylvania Power & Light	305,765	382,575
12.	Alabama Power Company (SC)	304,297	351,067
13.	Pennsylvania Electric (GPU)	292,048	318,641
14.	Florida Power & Light	285,997	503,321
15.	Union Electric	283,640	241,893
16.	Gulf States Utilities	283,237	269,356
17.	Monongahela Power (APS)	239,660	241,623
18.	Appalachian Power (AEP)	236,321	284,427
19.	Pacific Power & Light	215,132	94,119
20.	Ohio Power (AEP)	214,464	193,666
	TOTAL 20 COMPANIES	7,227,981	9,244,979
	TOTAL NUMBER OF COMPANIES 279		
	20 LARGEST COMPANIES AS A PERCENT OF TOTAL BTU'S AND TOTAL FUEL BILL	41.1	40.6

APPENDIX III

20 LARGEST ELECTRIC COMPANIES RANKED BY TOTAL FUEL BILL IN 1977

	Company Name	Cost ($1000)	Total Btu (Billions)
1.	Pacific Gas & Electric	1,084,046	478,807
2.	Southern California Edison	1,069,776	558,367
3.	Tennessee Valley Authority	851,642	819,495
4.	Georgia Power (SC)	556,303	464,026
5.	Virginia Electric & Power	532,598	306,795
6.	Houston Lighting & Power	513,577	485,122
7.	Florida Power & Light	503,321	285,997
8.	The Detroit Edison Co.	495,413	378,424
9.	Commonwealth Edison	483,641	364,112
10.	Duke Power	481,706	372,529
11.	Consolidated Edison Company of N.Y.	469,307	199,045
12.	Public Service Electric & Gas-N.J.	383,870	180,174
13.	Pennsylvania Power & Light	382,575	305,765
14.	Alabama Power Company (SC)	351,067	304,297
15.	Pennsylvania Electric (GPU)	318,641	292,048
16.	Los Angeles Dept. of Water & Power	305,855	127,843
17.	Texas Power & Light (TU)	295,589	339,743
18.	Potomac Electric Power	293,038	192,794
19.	Appalachian Power (AEP)	284,427	236,321
20.	Gulf States Utilities	269,356	283,237
	TOTAL OF 20 COMPANIES	9,925,748	6,974,941
	TOTAL NUMBER OF COMPANIES 279		
	20 LARGEST COMPANIES AS A PERCENT OF TOTAL BILL AND TOTAL BTU'S	43.6	39.7

APPENDIX IV

20 LARGEST COMPANIES RANKED BY QUANTITY OF COAL DELIVERED IN 1977

	Company Name	Quantity (1000 Tons)	Cost ($1000)
1.	Tennessee Valley Authority	35,867	770,188
2.	Georgia Power (SC)	18,093	470,847
3.	Duke Power	15,377	465,364
4.	Commonwealth Edison	14,881	301,596
5.	Texas Power & Light	14,153	70,310
6.	The Detroit Edison Co.	13,231	328,440
7.	Pacific Power & Light	12,718	91,596
8.	Alabama Power Co. (SC)	12,670	334,981
9.	Union Electric	12,190	216,376
10.	Pennsylvania Electric (GPU)	12,116	307,750
11.	Pennsylvania Power & Light	10,677	265,219
12.	Appalachian Power (AEP)	10,185	284,427
13.	Monongahela Power (APS)	9,930	240,812
14.	Ohio Power (AEP)	9,771	193,666
15.	Public Service Company of Indiana	9,607	160,550
16.	Northern States Power	8,030	102,563
17.	Cleveland Electric Illum. Co.	8,027	211,405
18.	Arizona Public Service	7,946	44,784
19.	Ohio Electric Company (AEP)	7,920	175,100
20.	Carolina Power & Light	7,751	219,916
	TOTAL OF 20 COMPANIES	251,140	5,255,890
	TOTAL NUMBER OF COMPANIES RECEIVING COAL 162		
	20 LARGEST COMPANIES AS A PERCENT OF ALL COAL DELIVERIES	51.2	52.6

APPENDIX V

20 LARGEST ELECTRIC COMPANIES RANKED BY TOTAL QUANTITY OF OIL DELIVERED IN 1977

	Company Name	Quantity (1000 Bbls)	Cost ($1000)
1.	Southern California Edison	59,563	849,126
2.	Pacific Gas & Electric	37,958	545,158
3.	Consolidated Edison Co. of N. Y.	32,637	468,016
4.	Florida Power and Light	32,332	445,297
5.	Virginia Electric & Power	29,067	395,572
6.	Public Service Electric & Gas-N.J.	20,752	299,342
7.	Long Island Lighting	20,445	256,082
8.	New England Power (NEES)	18,157	230,392
9.	Los Angeles Dept. of Water & Power	17,428	265,657
10.	Florida Power Corp.	16,099	204,979
11.	Boston Edison	15,074	202,683
12.	Philadelphia Electric	13,406	193,602
13.	Mississippi Power & Light (MSU)	13,334	146,159
14.	Central Hudson Gas & Electric	12,629	161,640
15.	San Diego Gas & Electric	12,561	192,964
16.	Gulf States Utilities	12,199	151,475
17.	Arkansas Power & Light (MSU)	11,753	150,709
18.	Niagra-Mohawk Power	11,256	150,034
19.	Commonwealth Edison	10,838	172,825
20.	Orange & Rockland Utilities	10,794	152,413
	TOTAL OF 20 COMPANIES	408,282	5,634,125
	TOTAL NUMBER OF COMPANIES RECEIVING OIL 212		
	20 LARGEST COMPANIES AS A PERCENT OF ALL OIL DELIVERIES	65.3	65.2

APPENDIX VI

20 LARGEST ELECTRIC COMPANIES RANKED BY TOTAL QUANTITY OF GAS DELIVERED IN 1977

	Company Name	Quantity (1000 Mcf)	Cost ($1000)
1.	Houston Lighting & Power	469,439	513,577
2.	Pacific Gas & Electric	230,150	538,887
3.	Gulf States Utilities	200,296	117,880
4.	Oklahoma Gas & Electric	168,214	216,206
5.	Louisiana Power & Light (MSU)	156,353	60,937
6.	Texas Power & Light (TU)	145,527	217,446
7.	Public Service Company of Oklahoma (CSW)	136,740	197,851
8.	Texas Electric Service (TU)	131,488	89,320
9.	Central Power & Light (CSW)	114,262	234,243
10.	Southwestern Public Service	104,245	148,522
11.	Southern California Edison	91,698	177,152
12.	Florida Power & Light	86,976	58,024
13.	Dallas Power & Light (TU)	85,059	148,702
14.	Southwestern Electric Power (CSW)	81,367	62,330
15.	City Public Service-San Antonio	54,740	109,565
16.	Central Louisiana Electric	49,046	82,610
17.	West Texas Utilities (CSW)	48,584	67,287
18.	Kansas Gas & Electric	38,969	36,445
19.	The Kansas Power & Light Company	36,489	38,348
20.	City of Austin Electric Department	32,288	64,945
	TOTAL OF 20 COMPANIES	2,461,930	3,180,277
	TOTAL NUMBER OF COMPANIES RECEIVING GAS 178		
	20 LARGEST COMPANIES AS A PERCENT OT TOTAL GAS DELIVERIES	79.5	77.1

APPENDIX VII

DEFINITION OF BITUMINOUS COAL AND LIGNITE PRODUCING DISTRICTS

DISTRICT 1.—EASTERN PENNSYLVANIA

Pennsylvania

Armstrong County (part).—All mines east of the Allegheny River, and those mines served by the Pittsburgh & Shawmut Railroad located on the west bank of the river.

Fayette County (part).—All mines located on and east of the line of Indian Creek Valley branch of the Baltimore & Ohio Railroad.

Indiana County (part).—All mines not served by the Saltsburg branch of the Pennsylvania Railroad.

Westmoreland County (part).—All mines served by the Pennsylvania Railroad from Torrance, east.

All mines in the following counties:

Bedford	Centre	Forest	McKean
Blair	Clarion	Fulton	Mifflin
Bradford	Clearfield	Huntingdon	Potter
Cambria	Clinton	Jefferson	Somerset
Cameron	Elk	Lycoming	Tioga

Maryland.—All mines in the State.

West Virginia.—All mines in the following counties:

Grant Mineral Tucker

DISTRICT 2.—WESTERN PENNSYLVANIA

Pennsylvania

Armstrong County (part).—All mines west of the Allegheny River except those mines served by the Pittsburgh & Shawmut Railroad.

Fayette County (part).—All mines except those on and east of the line of Indian Creek Valley branch of the Baltimore & Ohio Railroad.

Indiana County (part).—All mines served by the Saltsburg branch of the Pennsylvania Railroad.

Westmoreland County (part).—All mines except those served by the Pennsylvania Railroad from Torrance, east.

All mines in the following counties:

Allegheny	Butler	Lawrence	Venango
Beaver	Greene	Mercer	Washington

DISTRICT 3.—NORTHERN WEST VIRGINIA

West Virginia

Nicholas County (part).—All mines served by or north of the Baltimore & Ohio Railroad.

All mines in the following counties:

Barbour	Jackson	Randolph	Webster
Braxton	Lewis	Ritchie	Wetzel
Calhoun	Marion	Roane	Wirt
Doddridge	Monongalia	Taylor	Wood
Gilmer	Pleasants	Tyler	
Harrison	Preston	Upshur	

DISTRICT 4.—OHIO.—All mines in the State.

DISTRICT 5.—MICHIGAN.—All mines in the State.

DISTRICT 6.—PANHANDLE

West Virginia.—All mines in the following counties:

Brooke Hancock Marshall Ohio

DISTRICT 7.—SOUTHERN NO. 1

West Virginia

Fayette County (part).—All mines east of Gauley River and all mines served by the Gauley River branch of the Chesapeake & Ohio Railroad and mines served by the Virginian Railway.

McDowell County (part).—All mines in that portion of the county served by the Dry Fork Branch of the Norfolk & Western Railroad and east thereof.

Raleigh County (part).—All mines except those on the Coal River Branch of the Chesapeake & Ohio Railroad and north thereof.

Wyoming County (part).—All mines in that portion served by the Gilbert branch of the Virginian Railway lying east of the mouth of Skin Fork of Guyandot River and in that portion served by the main line and the Glen Rogers branch of the Virginian Railway.

All mines in the following counties:

Greenbrier Mercer Monroe Pocahontas Summers

Virginia

Buchanan County (part).—All mines in that portion of the county served by the Richlands-Jewell Ridge branch of the Norfolk & Western Railroad and in that portion on the headwaters of Dismal Creek east of Lynn Camp Creek (a tributary of Dismal Creek).

Tazewell County (part).—All mines in those portions of the county served by the Dry Fork branch to Cedar Bluff and from Bluestone Junction to Boissevain branch of the Norfolk & Western Railroad and Richlands-Jewell Ridge branch of the Norfolk & Western Railroad.

All mines in the following counties:

Montgomery Pulaski Wythe Giles Craig

DISTRICT 8.—SOUTHERN NO. 2

West Virginia

Fayette County (part).—All mines west of the Gauley River except mines served by the Gauley River branch of the Chesapeake & Ohio Railroad.

McDowell County (part).—All mines west of and not served by the Dry Fork branch of the Norfolk & Western Railroad.

Nicholas County (part).—All mines in that part of the county south of and not served by the Baltimore & Ohio Railroad.

Raleigh County (part).—All mines on the Coal River branch of the Chesapeake & Ohio Railroad and north thereof.

DISTRICT 8.—SOUTHERN NO. 2—Continued

West Virginia—Continued

Wyoming County (part).—All mines in that portion served by the Gilbert branch of the Virginian Railway and lying west of the mouth of Skin Fork of Guyandot River.

All mines in the following counties:

Boone	Kanawha	Mason	Wayne
Cabell	Lincoln	Mingo	
Clay	Logan	Putnam	

Virginia

Buchanan County (part).—All mines in the county, except in that portion on the headwaters of Dismal Creek, east of Lynn Camp Creek (a tributary of Dismal Creek) and in that portion served by the Richlands-Jewell Ridge branch of the Norfolk & Western Railroad.

Tazewell County (part).—All mines in the county except in those portions served by the Dry Fork branch of the Norfolk & Western Railroad and branch from Bluestone Junction to Boissevain of Norfolk & Western Railroad and Richlands-Jewell Ridge branch of the Norfolk & Western Railroad.

All mines in the following counties:

Dickinson Lee Russell Scott Wise

Kentucky.—All mines in the the following counties in eastern Kentucky:

Bell	Greenup	Lawrence	Morgan
Boyd	Harlan	Lee	Owsley
Breathitt	Jackson'	Leslie	Perry
Carter	Johnson	Letcher	Pike
Clay	Knott	McCreary	Rockcastle
Elliott	Knox	Magoffin	Wayne
Floyd	Laurel	Martin	Whitley

Tennessee.—All mines in the following counties:

Anderson	Cumberland	Overton
Campbell	Fentress	Roane
Claiborne	Morgan	Scott

North Carolina.—All mines in the State.

DISTRICT 9.—WEST KENTUCKY

Kentucky.—All mines in the following counties in western Kentucky:

Butler	Hancock	McLean	Todd
Christian	Henderson	Muhlenberg	Union
Crittenden	Hopkins	Ohio	Warren
Daviess	Logan	Simpson	Webster

DISTRICT 10.—ILLINOIS.—All mines in the State.

DISTRICT 11.—INDIANA.—All mines in the State.

DISTRICT 12.—IOWA.—All mines in the State.

DISTRICT 13.—SOUTHEASTERN

Alabama.—All mines in the State.

Georgia.—All mines in the following counties:

Dade Walker

Tennessee.—All mines in the following counties:

Bledsoe	Marion	Sequatchie	Warren
Grundy	McMinn	Van Buren	White
Hamilton	Rhea		

DISTRICT 14.—ARKANSAS-OKLAHOMA

Arkansas.—All mines in the State.

Oklahoma.—All mines in the following counties:

Haskell Le Flore Sequoyah

DISTRICT 15.—SOUTHWESTERN

Kansas.—All mines in the State.

Texas.—All mines in the State.

Missouri.—All mines in the State.

Oklahoma.—All mines in the following counties:

Coal	Latimer	Okmulgee	Rogers	Wagoner
Craig	Muskogee	Pittsburg	Tulsa	

DISTRICT 16.—NORTHERN COLORADO

All mines in the following counties in the State:

Adams	Douglas	Jackson	Larimer
Arapahoe	Elbert	Jefferson	Weld
Boulder	El Paso		

DISTRICT 17.—SOUTHERN COLORADO

Colorado.—All mines except those included in District 16.

New Mexico.—All mines except those included in District 18.

DISTRICT 18.—NEW MEXICO

New Mexico.—All mines in the following counties:

Grant	McKinley	Sandoval	San Miguel	Socorro
Lincoln	Rio Arriba	San Juan	Santa Fe	

Arizona.—All mines in the State.

California.—All mines in the State.

DISTRICT 19.—WYOMING

Wyoming.—All mines in the State.

Idaho.—All mines in the State.

DISTRICT 20.—UTAH.—All mines in the State.

DISTRICT 21.—NORTH DAKOTA-SOUTH DAKOTA.—All mines in North Dakota and South Dakota.

DISTRICT 22.—MONTANA.—All mines in the State.

DISTRICT 23.—WASHINGTON

Washington.—All mines in the State.

Oregon.—All mines in the State.

Alaska.—All mines in the Territory.

GEOGRAPHIC DIVISIONS

Appendix IX

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