DOE/EIA-0376

Energy Price and Expenditure Data Report, 1970-1980 (State and U.S. Total)

Energy Information Admin
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K. Seifelein

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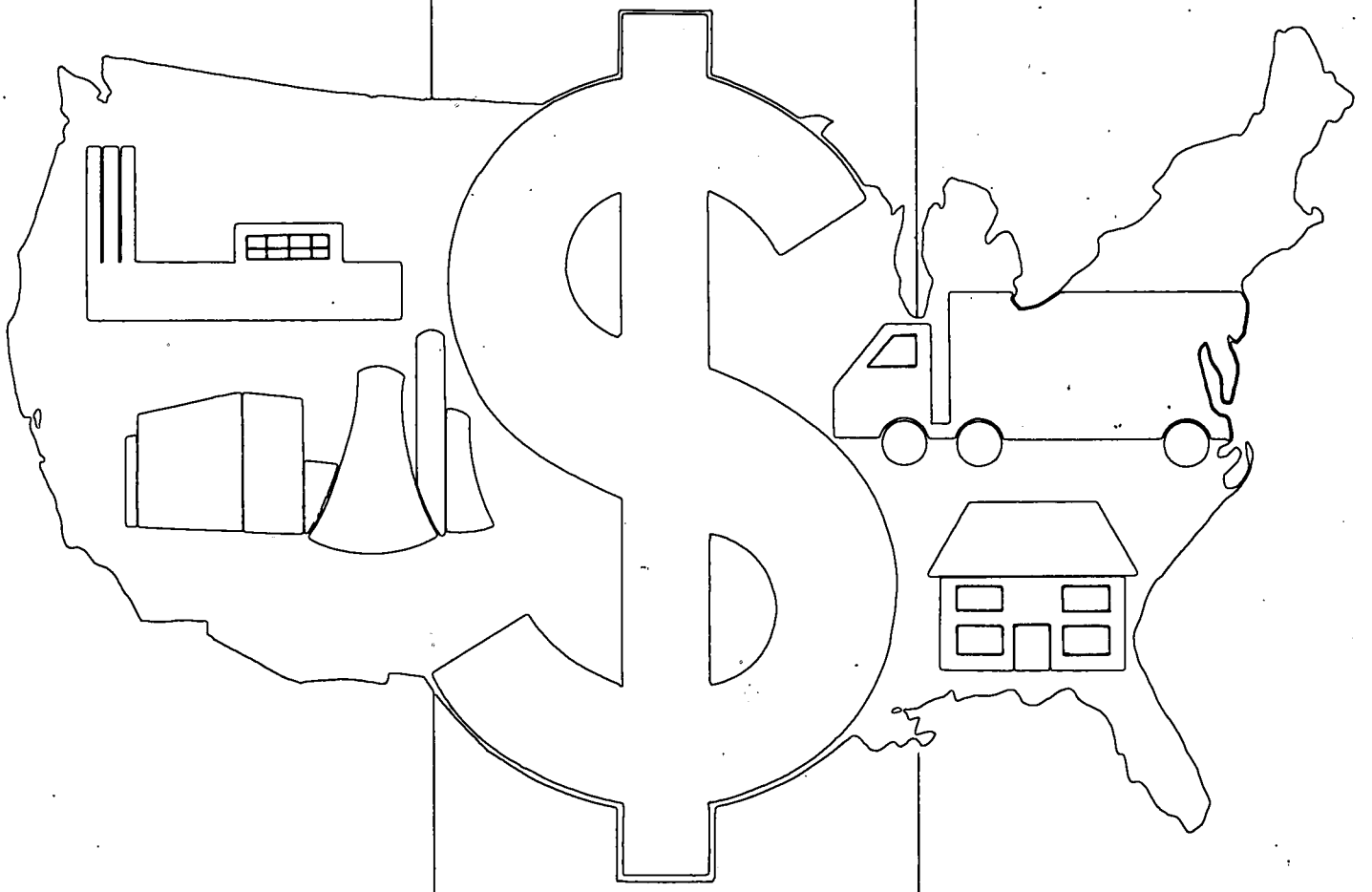

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Transportation Sector Leads with Highest Energy Expenditures for Decade

End-use energy expenditures (including electricity sales but not fuels used in the electricity sector) were the highest in the transportation sector from 1970 through 1980. Approximately $164 billion was spent on energy in the transportation sector in 1980, 42 percent of total end-use energy expenditures in the Nation.

Total end-use energy expenditures rose from $84.5 billion in 1970 to $390.5 billion in 1980.

The industrial sector experienced the sharpest increase in average end-use energy prices, up 512 percent from 1970 through 1980. As a result, end-use energy expenditures in the industrial sector increased the most, nearly 499 percent, even though end-use consumption dropped approximately 3 percent during the same period according to the EIA report.

The report, Energy Price and Expenditure Data Report: 1970-1980 contains State-level prices and expenditures for 19 different fuels over an 11-year period. Major economic sectors covered in the report include the residential, commercial, industrial, and transportation sectors, as well as the electric utility sector even though it is not a formal end-use sector.

EIA Administrator J. Erich Evered said in releasing the study, "This report, combined with the State Energy Data System (SEDS) report, provides the information necessary to present an overall picture of the use, price, and cost of energy in the United States."

The report shows that energy prices for the different fuels varied among economic sectors as well as geographic regions. An example is the average end-use price of electricity ranging in 1980 from $10.81 per million Btu in the industrial sector, to $16.06 in the commercial sector. Regionally, the end-use price of electricity ranged from $4.08 per million Btu in Washington State to $22.37 per million Btu in Hawaii.

(MORE)

Additional statistics compiled from the report and the Energy Price and Expenditure data base include the following:

- Petroleum products show less variation in average end-use price than other fuels. The price of distillate was lowest in Louisiana at $6.16 per million Btu ($0.86 per gallon), and highest in West Virginia at $7.35 per million Btu ($1.02 per gallon). Motor gasoline prices ranged from $8.58 per million Btu in Montana to $10.81 per million Btu in Hawaii (or from $1.07 per gallon to $1.35 per gallon). Like electricity, the end-use price of natural gas varied more, ranging from a low of $0.61 per million Btu in Alaska to a high in Vermont of $5.68 per million Btu.

- Five States, Texas, California, New York, Illinois, and Pennsylvania accounted for 37 percent of the total end-use energy expenditures in 1980. Three of these States individually accounted for the largest end-use expenditures of natural gas, motor gasoline, electricity or distillate fuel.

  Texas:
  Highest Natural Gas Expenditures - $ 5.9 billion

  California:
  Highest Motor Gasoline Expenditures - $13.5 billion
  Highest Electricity Expenditures - $ 9.9 billion

  New York:
  Highest Distillate Expenditures - $ 2.9 billion

- Per capita residential energy expenditures are the largest in those States where space heating needs are high, and where the price of fuels used for heating, such as fuel oil, is also high. Conversely, those States with the lowest expenditures have a low demand for space heating and use less expensive fuels for heating. The following are the top and bottom five States for average annual residential expenditures per capita for energy.

Top Five States		Bottom Five States	
Maine	$447	Wyoming	$222
Vermont	$446	New Mexico	$219
Connecticut	$441	California	$216
New Jersey	$423	Washington	$191
New Hampshire	$420	Hawaii	$184

(MORE)

Copies of the new report may be purchased from the Government Printing Office, GPO Stock No. 061-003-00303-6, price $7; or from the National Energy Information Center, Room 1F-048, Forrestal Building, 1000 Independence Avenue, Washington, D.C. 20585, telephone 202/252-8800.

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(NOTE: Copies of the new Energy Price and Expenditure Data Report: 1970-1980 are available to the media through DOE's Press Room, 1E-206, Forrestal Building, Washington, D.C., telephone 202/252-5575.)

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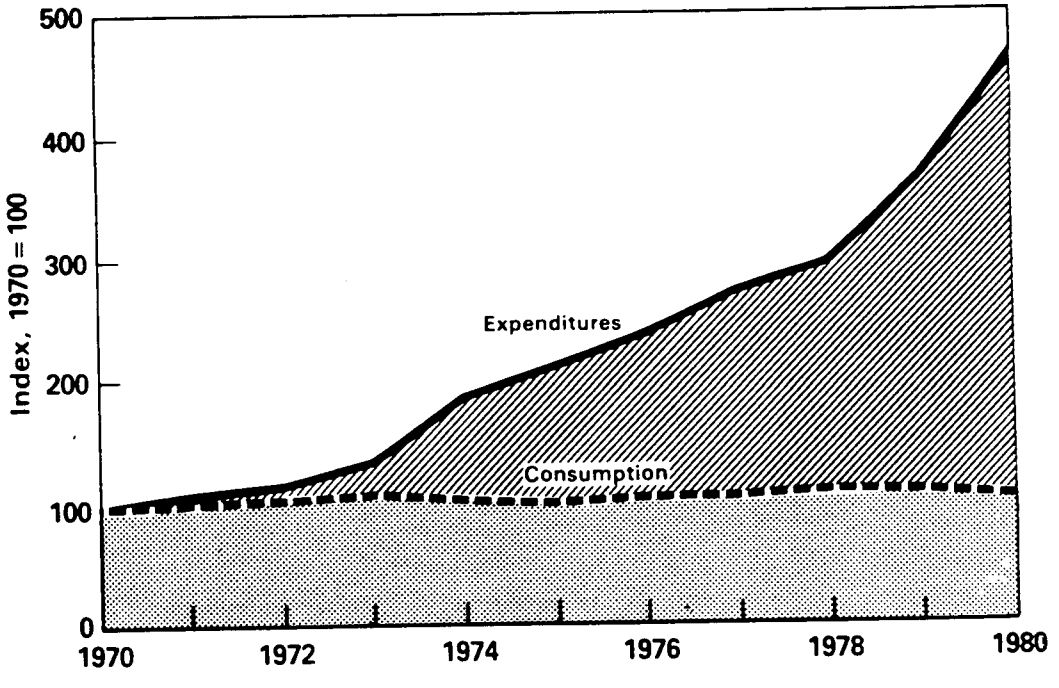
HIGHLIGHTS
ENERGY PRICE AND EXPENDITURE DATA REPORT
1970-1980
STATE AND U.S. TOTALS

END-USE ENERGY EXPENDITURES AND CONSUMPTION INDEX, 1970-80



Source: Energy Information Administration

o Overview of the EPEDS data

This report represents the merging of two separate data systems: the State Energy Data System (SEDS) (state-level consumption data), and the State Energy Price System (STEPS) (state-level prices). Energy consumption, prices, and expenditures vary across the Nation due to the size of State populations, availability of various fuels, the "mix" of economic sectors within each State, utility regulation, and other factors. These data then provide the information necessary to present an overall picture of the use, price, and cost of energy in the United States.

Prices and expenditures for 19 different fuels are in the report. In this attachment, prices and expenditures for five frequently discussed fuels are considered: coal, natural gas, distillate, motor gasoline, and electricity sales as used in the energy end-use sectors (residential, commercial, industrial, and transportation). Together these fuels account for more than 80 percent of the Nation's end-use energy expenditures in 1980. (Since electricity sales are covered, the price and expenditures for fuels in the electric utility sector are not included in this discussion, but are available in the report.)

o End-use Energy Expenditures Highest in the Transportation Sector

End-use energy expenditures (including electricity sales but not fuels used in the electicity sector) were the highest in the transportation sector from 1970 through 1980. Approximately $164 billion was spent on energy in the transportation sector in 1980, 42 percent of total end-use energy expenditures in the Nation.

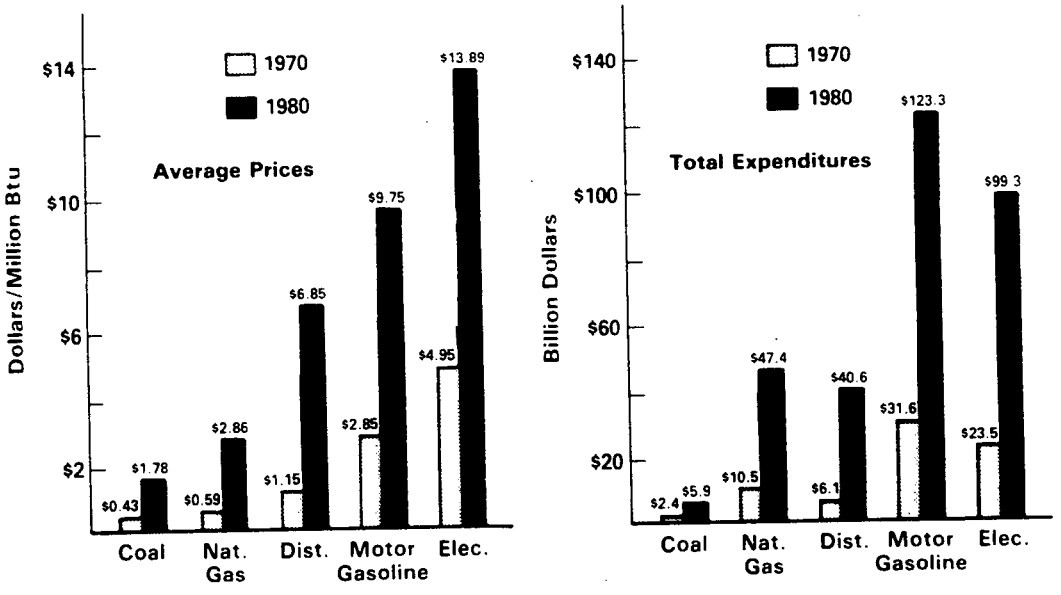
End-Use Sector	End-Use Expenditures (Billion Dollars) by Year					
	1970	1972	1974	1976	1978	1980
Residential	$19.9	$24.0	$32.4	$41.6	$51.6	$70.4
Commercial	$10.7	$13.5	$19.5	$26.4	$33.6	$47.4
Industrial	$18.1	$22.0	$41.6	$54.2	$69.0	$108.4
Transportation	$35.8	$40.5	$64.8	$78.1	$92.9	$164.3
U.S. Total	$84.5	$100.0	$158.2	$200.4	$247.1	$390.5

Note: End-use sectors may not sum to U.S. total due to rounding.

o Rise in Average Price Varies by Fuel Type

The increase in average end-use fuel prices from 1970 through 1980 varied considerably by the type of fuel. Although the price of coal per million Btu increased more than 300 percent, coal still remained a relative bargain compared to other fossil fuels and electricity. Of the five fuels, distillate had the highest percentage increase, 495.7 percent. Electricity, the most expensive fuel of the five, had the lowest percentage increase, 180.6 percent.

Several factors affecting energy in the Nation's economy are the price, consumption, and expenditures for specific fuels. Distillate, which had a large percentage increase in end-use price, accounted for only 10.1 percent of the energy consumed in 1980, and only 10.4 percent of total end-use expenditures in 1980. On the other hand, motor gasoline, with a higher average end-use price and more modest percentage increase in end-use price, accounted for 21.6 percent of total end-use energy consumption and more than 30 percent of the total end-use expenditures for energy in 1980.



Source: Energy Information Administration

o End Use Sectors Affected Differently by Rise in Prices and Expenditures

Compared to other sectors, the industrial sector had relatively low end-use energy prices in 1970, and experienced the sharpest increase, 512.0 percent, in average prices up through 1980. End-use energy expenditures in the industrial sector increased the most, 498.9 percent, even though end-use consumption dropped 2.5 percent.

The commercial and transportation sectors also had substantial end-use price increases of 303.1 percent and 274.9 percent respectively, while the residential sector experienced a comparatively modest increase of 260.8 percent. Total end-use energy expenditures were the highest in the transportation sector in both 1970 and 1980.

Sector	Consumption 1970–1980	Average Price (dollars/ million Btu)			Total Expenditures (billion dollars)		
	Percent Change	1970	1980	**Percent Change**	1970	1980	**Percent Change**
Industrial	**–2.5%**	$ .75	$4.59	**512.0%**	$18.1	$108.4	**498.9%**
Commercial	**9.1%**	$1.96	$7.90	**303.1%**	$10.7	$ 47.4	**343.0%**
Residential	**–2.1%**	$2.09	$7.54	**260.8%**	$19.9	$ 70.4	**253.8%**
Transportation	**23.1%**	$2.23	$8.36	**274.9%**	$35.8	$164.3	**358.9%**

Source: Energy Information Administration

Differences in overall average end-use prices between sectors is attributable, in part, to the different fuel mixes used by each sector, and because a given fuel may have different prices in the various sectors. An example is the average end-use price of electricity, which in 1980 ranged from $10.81 per million Btu in the industrial sector to $16.06 per million Btu in the commercial sector.

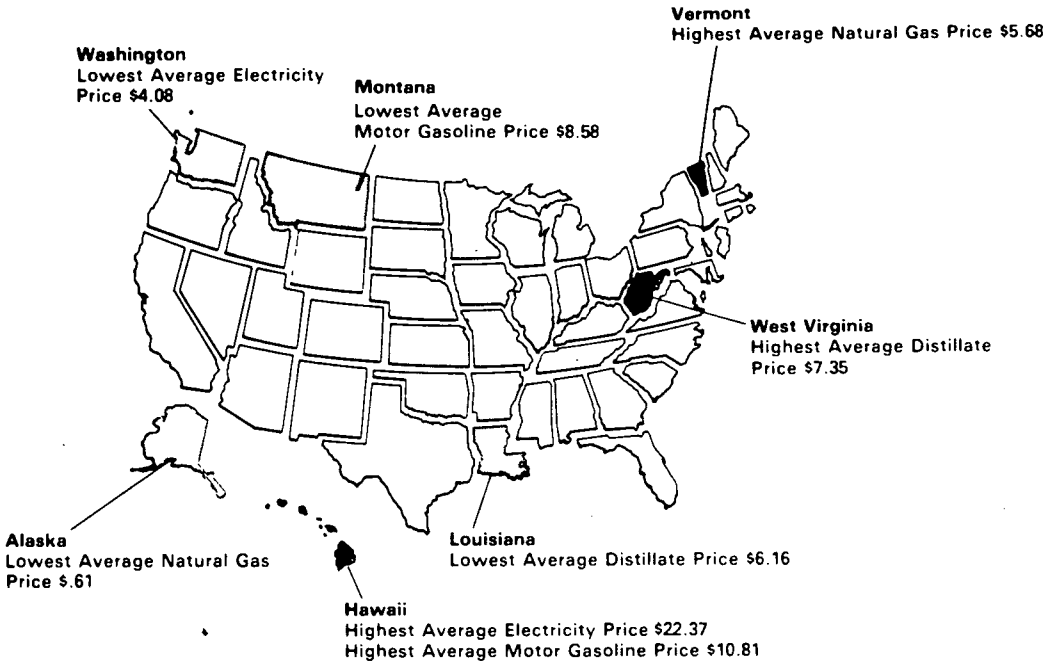
AVERAGE END-USE PRICE: ELECTRICITY
(Dollars per million Btu)

Sector	1970	1980	Percent Change
Industrial	$ 2.99	$10.81	261.5%
Commercial	$ 6.09	$16.06	163.7%
Residential	$ 6.50	$15.70	141.5%
Transportation	$ 4.37	$14.20	224.9%

Electricity, with the highest expenditures from 1970 through 1980 of any fuel used in the residential, commercial, and industrial sectors, had the lowest price increase of the major fuels used in these sectors.

o Regional Variations Apparent in Price and Expenditure Data

From State-to-State, the end-use price of energy varies by the type of fuel. In general, petroleum products have less variation than natural gas and electricity.

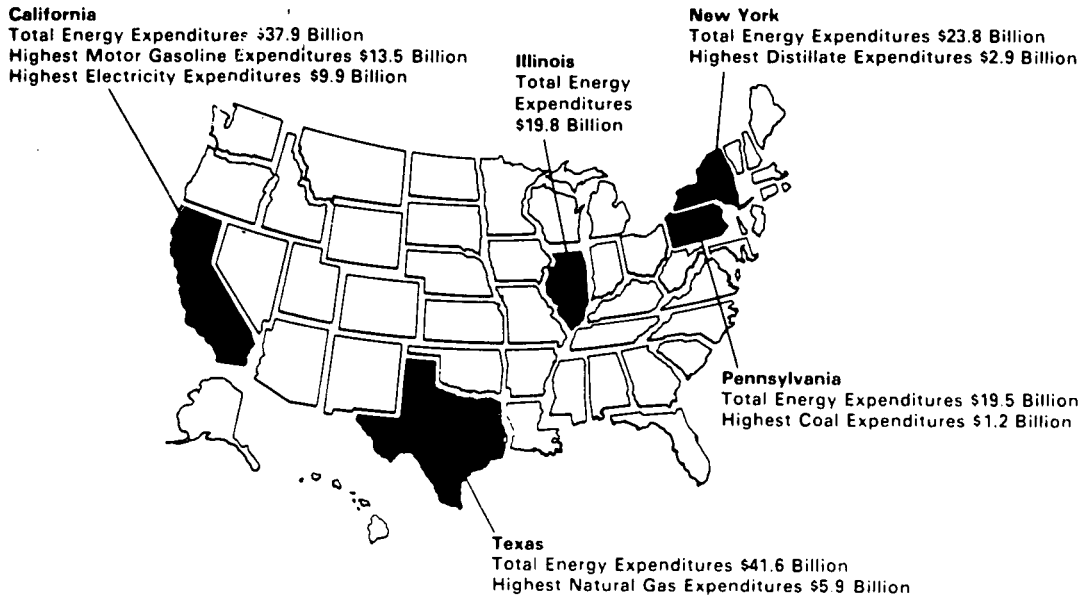


Source: Energy Information Administration

From 1970 through 1980, the Northeast Census region had a 13.5 percent drop in end-use consumption, and the North Central region had a modest drop of 3.2 percent. Yet, end-use expenditures for both these regions increased almost 300 percent. The South and West regions had high increases in end-use expenditures, which were partially due to respective increases in end-use consumption of 19.8 and 16.0 percent.

Region	Percent Change in End-Use Consumption 1970-1980	Percent Change in Average End-Use Prices 1970-1980	Percent Change in End-Use Expenditures 1970-1980
U.S.	6.0%	335.3%	362.2%
Northeast	-13.5%	351.7%	291.5%
North Central	- 3.2%	305.1%	293.4%
South	19.8%	358.8%	450.9%
West	16.0%	342.0%	412.2%

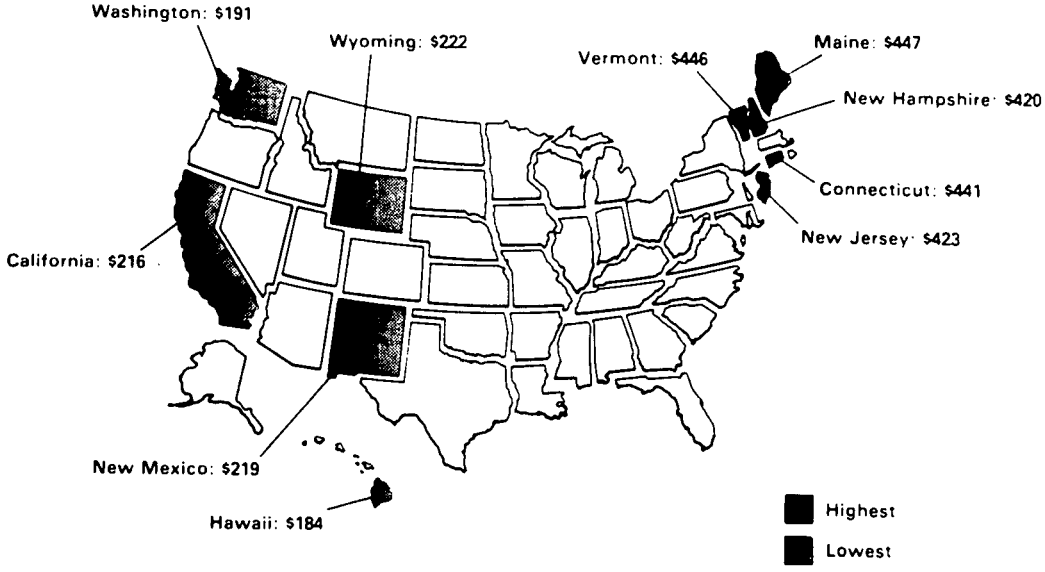
Five States, Texas, California, New York, Illinois, and Pennsylvania accounted for 37 percent of the total end-use energy expenditures in 1980. Of these, Texas, California, New York, and Pennsylvania individually accounted for the largest expenditures as indicated on the map below.



Source: Energy Information Administration

Note: If the expenditures in the electric utility sector are considered (i.e., electric sales are not considered), then the expenditures for coal in Pennsylvania increase to $2.4 billion.

On a per capita basis, the top and bottom five States for average end-use residential energy expenditures in 1980 are indicated on the map that follows.



Source: Energy Information Administration

Per capita residential expenditures are the largest in those States where the need for space heating is high, and also where average price for fuels used for space heating, such as fuel oil, are high. Those States with the lowest expenditures have a lower demand for space heating and, on the average, use less expensive fuels for space heating. The following table lists the per capita residential expenditures for each State.

State	1980 Average Per Capita Residential Energy Expenditures
Alabama	$ 293
Alaska	$ 293
Arizona	$ 274
Arkansas	$ 325
California	$ 216
Colorado	$ 254
Connecticut	$ 441
Delaware	$ 404
D.C.	$ 358
Florida	$ 305
Georgia	$ 261
Hawaii	$ 184
Idaho	$ 239
Illinois	$ 349
Indiana	$ 339
Iowa	$ 366
Kansas	$ 299
Kentucky	$ 275
Louisiana	$ 247
Maine	$ 447
Maryland	$ 334
Massachusetts	$ 416
Michigan	$ 335
Minnesota	$ 307
Mississippi	$ 283
Missouri	$ 351
Montana	$ 251
Nebraska	$ 297

State	1980 Average Per Capita Residential Energy Expenditures
Nevada	$ 320
New Hampshire	$ 420
New Jersey	$ 423
New Mexico	$ 219
New York	$ 337
North Carolina	$ 298
North Dakota	$ 345
Ohio	$ 348
Oklahoma	$ 296
Oregon	$ 239
Pennsylvania	$ 370
Rhode Island	$ 393
South Carolina	$ 267
South Dakota	$ 337
Tennessee	$ 265
Texas	$ 283
Utah	$ 242
Vermont	$ 446
Virginia	$ 343
Washington	$ 191
West Virginia	$ 285
Wisconsin	$ 348
Wyoming	$ 222
United States	$ 310

Energy Price and Expenditure Data Report, 1970-1980 (State and U.S. Total)

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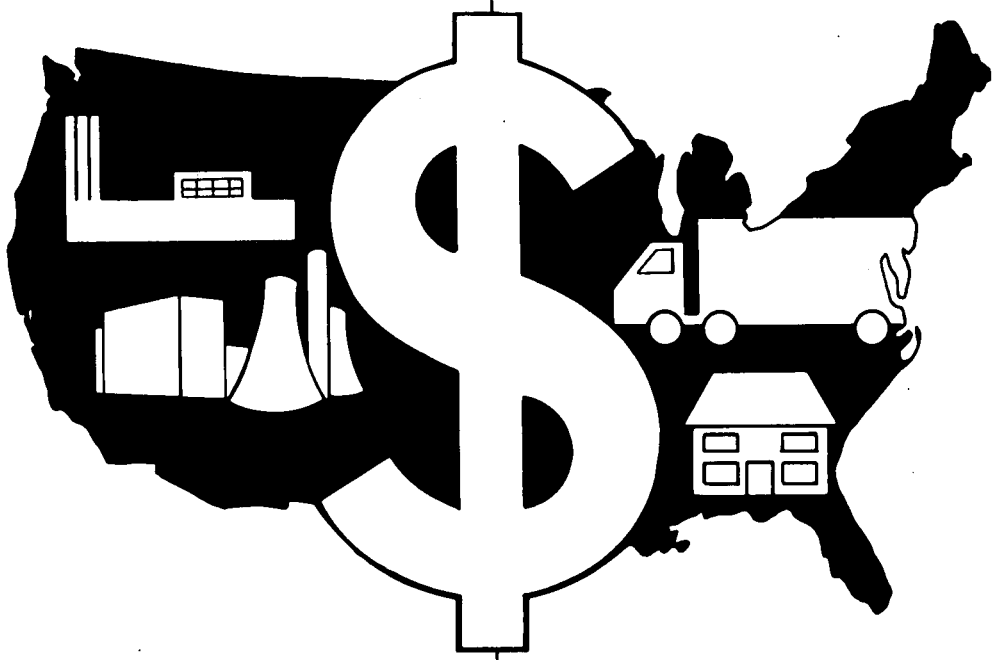

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Introduction

This report provides State and U.S. energy expenditures and average fuel price data for the years 1970 through 1980. It also provides data on trends in energy expenditures and prices across economic sectors and fuel types. This is the first time such a comprehensive energy price and expenditure data system has been developed. It represents a major contribution to the field of energy information.

The price series described and displayed in this publication are based on varying methodologies and data sources. A detailed methodology of the price series has been published and is titled State Energy Price System, Volume I and II, DOE/NBB-0029. A summary of the technical documentation used in the development of the price series is described in Appendix A of this publication. As referenced in Appendix A, data for some of the fuel price series have been developed from synthetic estimating techniques.

The consumption series used in developing the expenditures are from the Energy Information Administration's State Energy Data System. In general, estimated consumption series were developed using existing data that reported consumption directly, and from sales or distribution surveys at the State level. In many cases, reported survey data did not cover the entire universe and, therefore, did not equal the national product supplied. In these cases, product supplied is a surrogate for consumption and is described as production, plus imports minus exports, minus changes in stocks.

As with the price series, complete technical documentation is available in the State Energy Data Report, DOE/EIA-0214(80). A summary of this documentation is also found in Appendix A. Data limitations are discussed in Appendix C.

The report is organized by major fuel and economic sector. Three separate tables are provided for the United States and for every State. The first table provides expenditures by fuel type for 1970 through 1980. Within this table, two total expenditures exist. The first represents end-use energy expenditures. This total includes fuel costs incurred by the residential, commercial, industrial and transportation sectors, including the cost of electricity. The second total represents primary fuels purchased. This total excludes electricity sales to the end-use sectors, but includes the cost of fuels purchased by electric utilities.

Coal expenditures differ sharply in the two different totals. Direct coal use by end users declined by about 38 percent between 1970 and 1980. This decline is reflected in the coal expenditures shown in the first total. In contrast, electric utility consumption of coal increased by nearly 68 percent and this large increase is reflected in the second total.

The second table organizes fuel expenditures by end-use sector and electric utilities for the years 1970 through 1980. The third table provides average fuel price data. The data in these tables have not been adjusted for inflation. The discussion in the Summary of Findings section, however, is based on price and expenditure data that are adjusted for inflation.

Summary of Findings

Total End-Use Fuel Expenditures

Between 1970 and 1980, end-use fuel consumption in the United States increased by only 6 percent. In sharp contrast, U.S. fuel expenditures, adjusted for inflation, increased by 137 percent.[1] In 1980, the United States spent $390.5 billion on energy, equivalent to 15 percent of the Gross National Product (GNP), and almost double its share of the GNP in 1970 (8.6 percent).

Petroleum products accounted for the largest share of total U.S. energy expenditures throughout the decade. As Figure 1 shows, total petroleum product expenditures represented 61 percent of the U.S. energy expenditures by the residential, commercial, industrial, and transportation sectors in 1980. Motor gasoline expenditures alone accounted for 32 percent of the U.S. total energy expenditures followed by electricity sales (25 percent), natural gas (12 percent), and distillate fuel oil (10 percent). Each fuel's share of total U.S. energy expenditures remained fairly stable between 1970 and 1980.

Five States--Texas, California, New York, Illinois, and Pennsylvania--accounted for 37 percent of total energy spending in 1980. Compared to other States, California spent the most on motor gasoline and electricity, representing 11 percent and 10 percent respectively, of the total U.S. expenditures for these two fuels. Texas alone accounted for 12 percent and 13 percent of total U.S. expenditures on petroleum products and natural gas. New York had the highest expenditures on distillate fuel oil, accounting for 7 percent of the national total.

Figure 2 describes the percent distribution of end-use energy consumption and expenditures in 1980 by fuel type. As Figure 2 shows, although electricity expenditures by the four end-use sectors (residential, commercial, industrial, and transportation) accounted for one-quarter of the total U.S. energy expenditures, electricity consumption accounted for only 12 percent of end-use energy consumption.

Figure 3 provides the U.S. end-use average real prices of selected major fuels for 1970 and 1980. Average price estimates appearing in this report are calculated as the quantity weighted average unit purchase cost. Consequently, the average price may vary as a result of changes in the relative consumption of different fuels and regions, as well as a result of changes in price.

In 1980 electricity prices averaged $13.89 per million Btu and were higher than any other fuel price. In contrast, the U.S. average price for natural gas at $2.86 per million Btu was among the lowest of all major fuel prices. At $1.78 per million Btu, coal was the least expensive fuel purchased by the four end-use sectors.

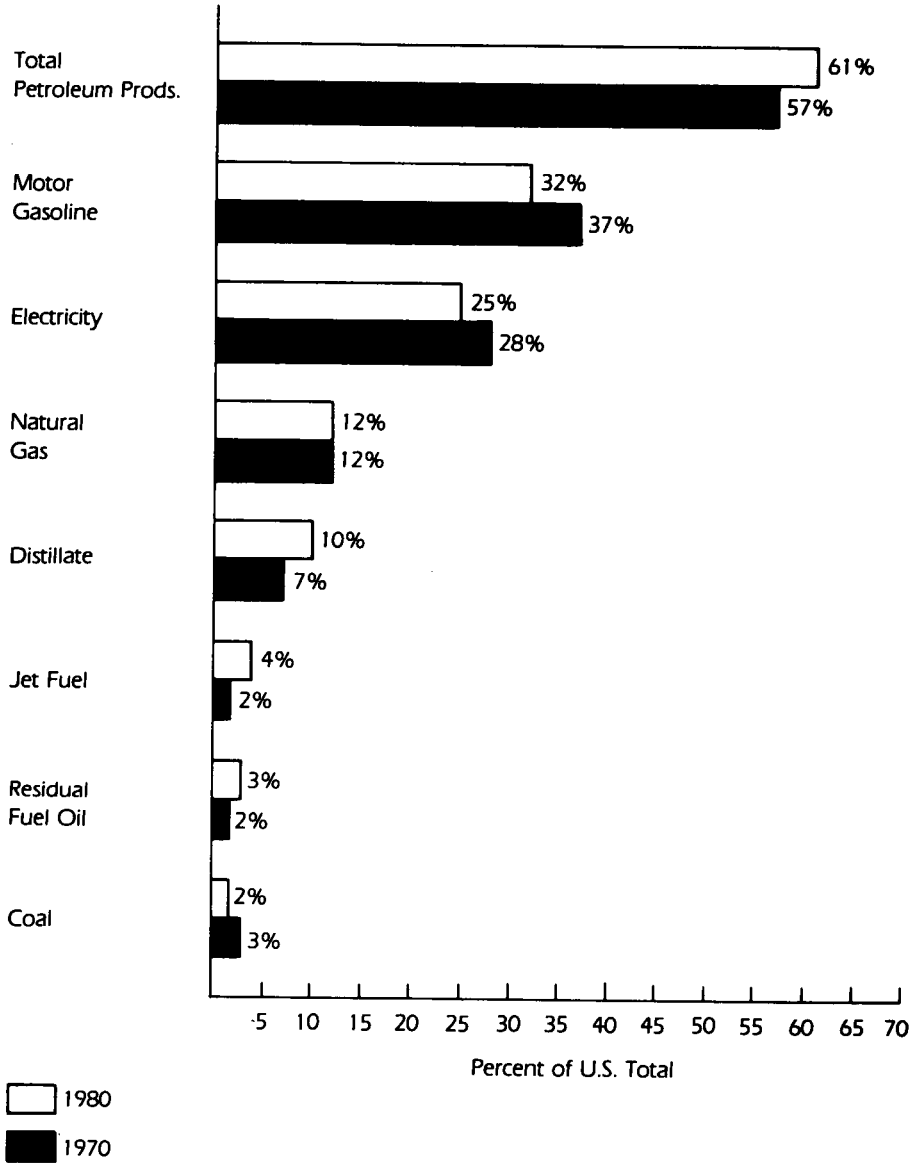
Natural gas consumption as a share of the U.S. total was much greater than natural gas expenditures. While natural gas accounted for over one-fourth of the total fuel consumed, it represented only 12 percent of total U.S. fuel costs. Motor gasoline represented only a little over one-fifth of all fuel consumed in 1980, but accounted for nearly one-third of total fuel expenditures. (See Figure 2.)

---

[1] References to prices and expenditures in this Summary, including figures and tables, have been adjusted to account for inflation and are in 1980 dollars. The Gross National Product implicit price deflators listed in Appendix D were used to convert nominal prices into prices in constant 1980 dollars. Nominal or unadjusted data are presented in the tables in the remainder of the report.

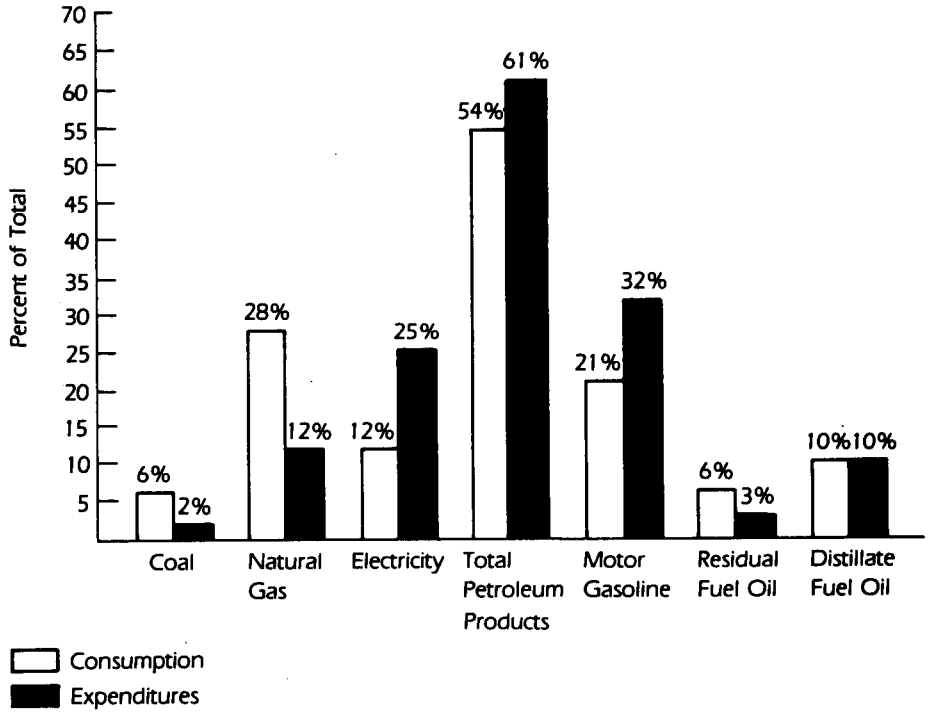
Summary of Findings (Continued)

Figure 1. Distribution of U.S. End-Use Expenditures, by Major Energy Type, 1970, 1980 (Percent)



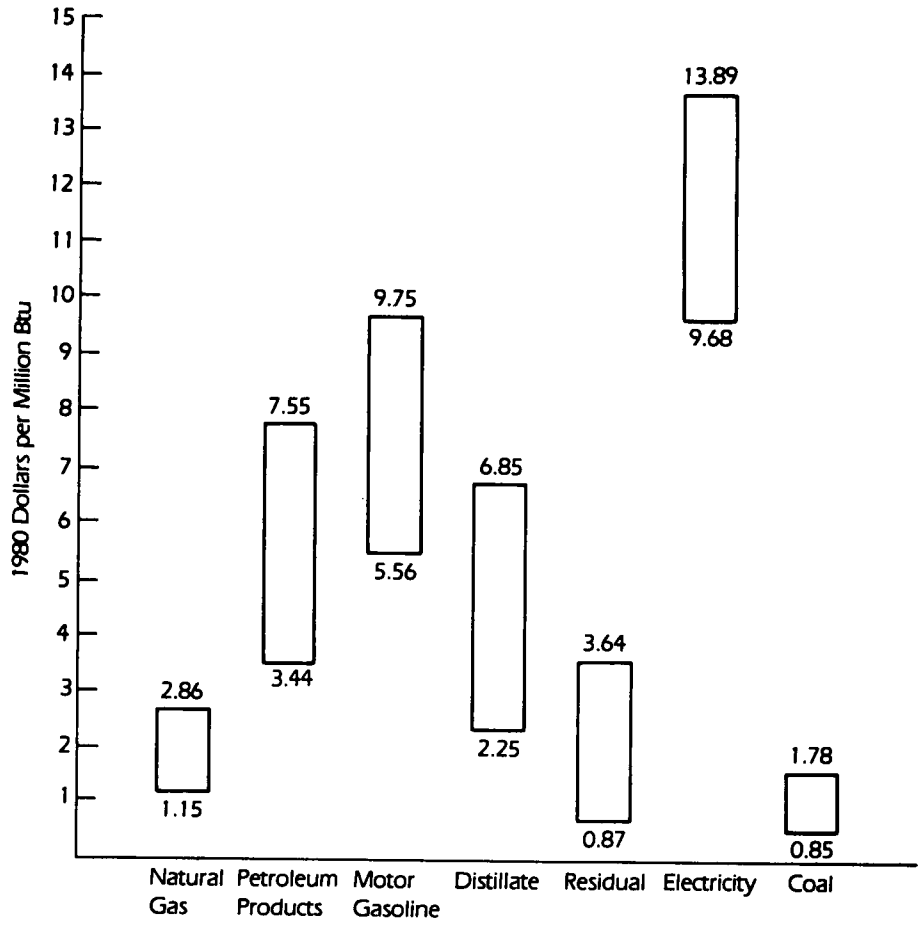
Source: Energy Information Administration, Energy Price and Expenditure Data System.

Figure 2. Distribution of U.S. End-Use Energy Consumption and Expenditures by Major Energy Type, 1980 (Percent)



Source: Energy Information Administration, Energy Price and Expenditure Data System.

Figure 3. U.S. Average Real Price of Selected End-Use Energy Sources, 1970, 1980 (1970 Is Lower End of Bar) (In Constant 1980 Dollars per Million Btu)



Source: Energy Information Administration, Energy Price and Expenditure Data System.

Since fuel consumption by electric utilities is not included in Figure 2, coal use represents only about 2 percent of end-use fuel expenditures in 1980. Nearly four-fifths of total U.S. coal consumption took place in electric utilities in 1980.

Figure 4 provides the percent change between 1970 and 1980 in each major fuel's end-use real expenditures, consumption, and real prices. The most striking increases in energy expenditures occurred in petroleum products. Compared to a U.S. total energy expenditures increase of 137 percent between 1970 and 1980, distillate fuel oil expenditures increased by 243 percent and residual fuel oil expenditures increased by 350 percent. On the other hand, motor gasoline and electricity expenditures increased by 100 percent and 116 percent, respectively. The smaller increases in motor gasoline and electricity expenditures compared to other fuels is associated with the relatively smaller increases in the real prices of these fuels between 1970 and 1980.

Motor gasoline prices increased by 75 percent and electricity prices increased by 43 percent, compared to an increase of 204 percent in distillate fuel oil prices, and a 318 percent increase in residual fuel oil prices between between 1970 and 1980. Moreover, as Figure 4 shows, in every fuel category except for electricity, increases in fuel prices were far greater than increases in fuel consumption. Coal consumption by the four end-use sectors decreased the most of all fuels, dropping by 38 percent.

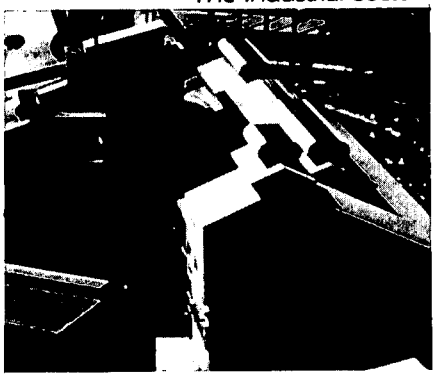
The Transportation Sector

As Figure 5 shows, of the four end-use sectors, the transportation sector spent the most on fuel throughout the decade, accounting for about 42 percent of the U.S. energy bill in 1980. Motor gasoline expenditures represented nearly three-fourths (73 percent) of the transportation sector's fuel bill. (See Table S1.) Between 1970 and 1980, the transportation sector was responsible for at least two-thirds of the total U.S. expenditures on petroleum products. (See Table S2.)

Table S3 shows the percent change in prices, consumption, and expenditures for selected fuels by sector. Transportation energy expenditures increased 135 percent, roughly equal to the percent increase in total U.S. energy expenditures. While the transportation sector's

fuel consumption increased by only 23 percent, its average fuel price increased 92 percent. In particular, distillate and jet fuel prices increased 182 percent and 345 percent respectively.

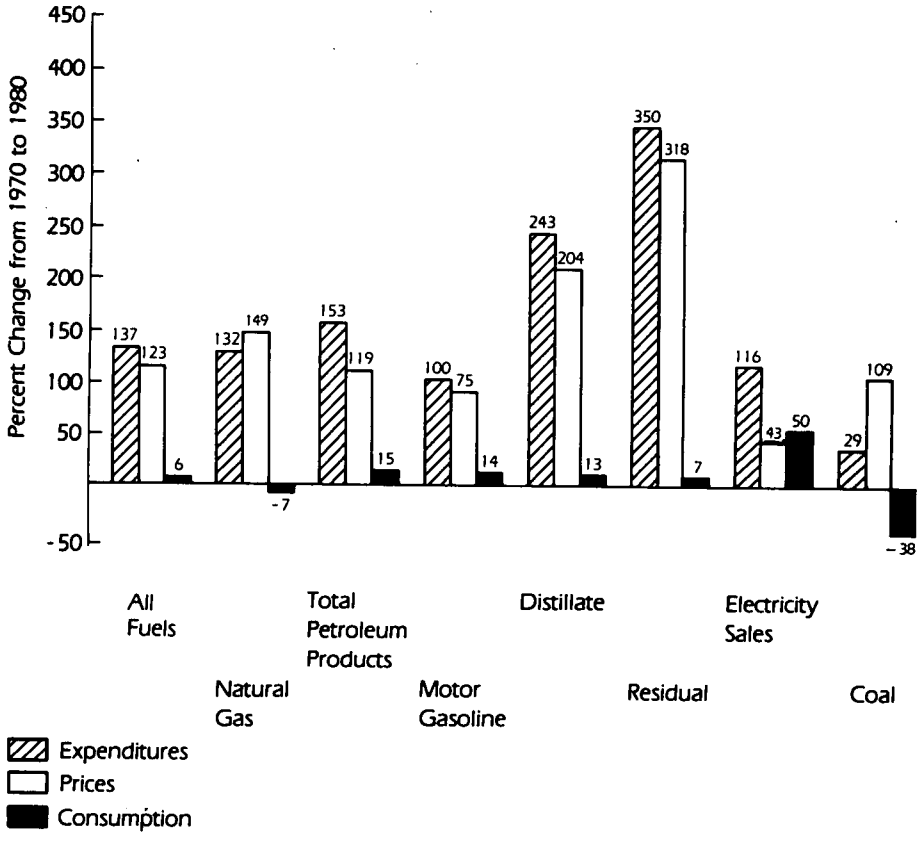
The Industrial Sector



The industrial sector not only consumed the most fuel in 1980, but also accounted for the second largest share (28 percent) of the U.S energy bill. (See Figure 5.) Although natural gas was the predominant single fuel used by this sector, electricity expenditures reflected the largest share of this sector's energy dollars. (See Table S1.) Electricity expenditures absorbed over one-fourth of the total, followed by other petroleum products (22 percent), and natural gas (18 percent). The heavy reliance on natural gas by industry is associated with its relatively low price. While electricity prices paid by industry averaged $10.81 per million Btu in 1980, natural gas prices averaged $2.36 per million Btu. Industrial natural gas prices were highest in Vermont, Rhode Island, Oregon, Maine, and Washington, ranging from $4.09 to $4.93 per million Btu. At the lower end, Alaska, Louisiana, Oklahoma, New Mexico, and Utah industries paid between $0.45 and $1.94 per million Btu for natural gas.

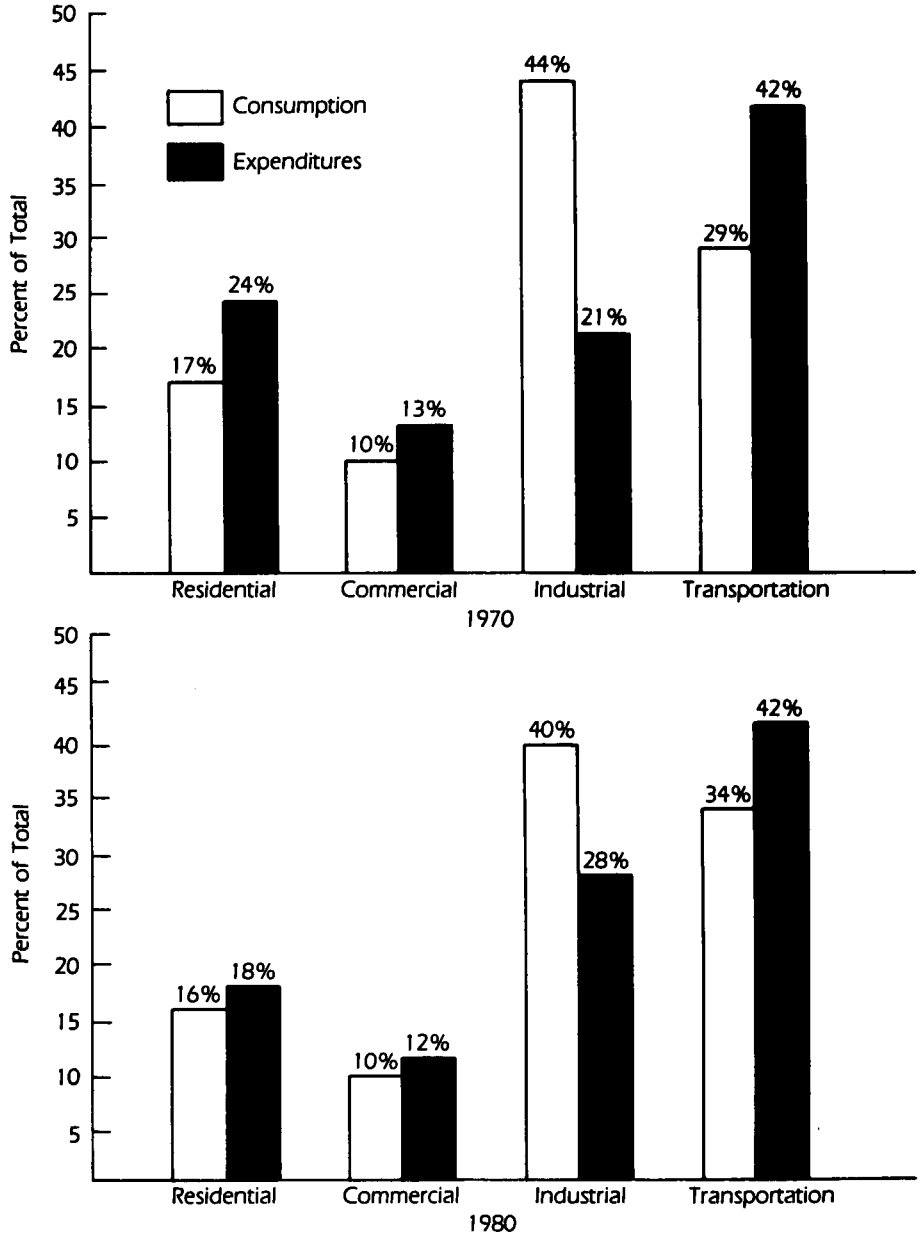
Summary of Findings (Continued)

Figure 4. Percent Change in Total U.S. Real Energy Prices, Consumption, and End-Use Expenditures, 1970 to 1980 (Percent Change)



Source: Energy Information Administration, Energy Price and Expenditure Data System.

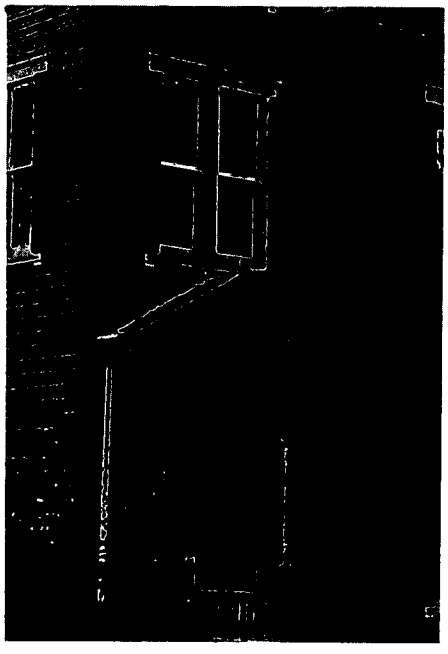
Figure 5. Distribution of Total U.S. Energy Consumption and Expenditures by End-Use Sector, 1970, 1980 (Percent)



Source: Energy Information Administration, Energy Price and Expenditure Data System.

As shown in Table S3, compared to all other sectors, the industrial sector experienced the greatest growth in energy expenditures, increasing by 206 percent between 1970 and 1980. While fuel consumption declined 3 percent, the average real price of all fuels purchased by industry increased 214 percent. In particular, petroleum products, which represented 49 percent of the sector's total expenditures, experienced a price increase of 225 percent between 1970 and 1980. Compared to other sectors, industry experienced the greatest rise in natural gas prices, which increased 265 percent over the decade.

The Residential Sector



The residential sector was responsible for 18 percent of U.S. energy expenditures in 1980, a decline of 6 percent since 1970. (See Figure 5.) As Table S1 shows, natural gas accounted for over half (52 percent) of residential energy consumption in 1980, but represented only one-quarter of the sector's total expenditures. Of all fuels, electricity expenditures were the greatest, accounting for more than half (55 percent) of the sector's total expenditures. Residences paid the most for electricity at $15.70 per million Btu, and the least for natural gas at $3.60 per million Btu, and coal at $2.71 per million Btu.[2]

The States which paid the most for residential electricity in 1980 included New Jersey, Hawaii, New York, Rhode Island, and Massachusetts, averaging between $22.07 and $24.93 per million Btu. The lowest paying States were Washington, Montana, Idaho, Oregon, and Wyoming, with prices ranging between $5.60 and $9.38 per million Btu for residential electricity.

As shown in Table S3, since 1970, the residential sector experienced moderate growth in fuel expenditures, which increased 82 percent, well below U.S. total expenditures' growth of 137 percent. This may be explained, in part, by a decline in residential energy consumption. For all fuel categories, except electricity, residential energy consumption declined. Electricity consumption increased 54 percent. The average sector's real fuel price rose 85 percent primarily due to increases in petroleum prices. The price of residential electricity increased only 24 percent over the 10 year period.

The Commercial Sector

The commercial sector accounted for 10 percent of U.S. energy consumed and 12 percent of end-use fuel expenditures in 1980. (See Figure 5.) The principal fuel used by the commercial sector was natural gas (45 percent), followed by electricity (32 percent). (See Table S1.) As in the residential sector, the commercial sector spent the most on electricity, which accounted for 65 percent of the sector's total fuel expenditures in 1980.

Between 1970 and 1980, the commercial sector's fuel expenditures increased by 127 percent. (See Table S3.) Fuel consumption grew only 10 percent, while real prices increased 107 percent. Electricity consumption in the commercial sector increased 58 percent over the

[2] As stated in the Introduction, these prices represent the quantity-weighted average unit purchase cost. The weights are proportional to state-level consumption of each fuel.

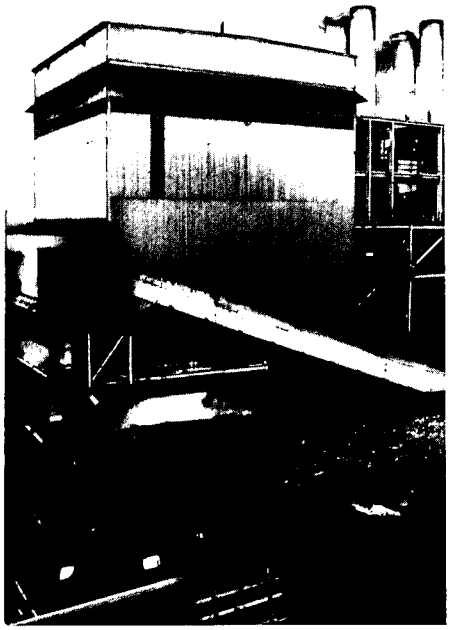
decade, while the consumption of petroleum products declined 15 percent. Large increases in petroleum product prices paid by the commercial sector have contributed to the decline in the consumption of these fuels. Between 1970 and 1980, the petroleum products' average real price increased 227 percent, compared to an increase of 35 percent in electricity prices and 126 percent in natural gas prices.

Total Primary Fuel Purchases

In 1980, total fuel purchases made by the four end-use sectors and the electric utilities was $328.5 billion. Primary fuel purchases are fuels bought by the four sectors and the electric utilities, and do not include electricity sales to the four sectors. The difference between primary fuel purchases ($328.5 billion), and end-use expenditures ($390.5 billion) equals the cost of electricity sales to the four sectors less the cost of fuels purchased by the electric utilities.

In 1980, petroleum products accounted for 76 percent and natural gas accounted for 17 percent of primary fuel expenditures. Coal accounted for 21 percent of primary fuels consumed but only 7 percent of primary fuel expenditures. The electric utilities were responsible for three-fourths of total coal expenditures in 1980. The five leading States in total coal expenditures were Pennsylvania, Ohio, Indiana, Illinois, and Texas, accounting for 42 percent of the total U.S. coal expenditures.

Electric Utilities



While electric utilities consumed 29 percent of the primary fuels consumed, they accounted for only 11 percent of the total U.S. energy bill. This can be explained by both their fuel mix and relatively low fuel costs. Coal alone accounted for 57 percent of the total fuel consumed by electric utilities in 1980, followed by natural gas (18 percent). (See Table S1.) Compared with other fuel prices, coal and natural gas prices were low, as reflected in the average real fuel price of $1.75 per million Btu for all fuels purchased by the electric utilities in 1980. In contrast, in 1980, the residential sector's average fuel price was $7.54 per million Btu, the commercial sector's average fuel price was $7.90 per million Btu, the industrial sector's average fuel price was $4.59 per million Btu, and the transportation sector's average fuel price was $8.36 per million Btu. Moreover, while the utilities were paying $2.19 per million Btu for natural gas in 1980, the industrial sector paid $2.36 per million Btu, the residential sector paid $3.60 per million Btu, and the commercial sector paid $3.31 per million Btu.

Coal prices paid by the electric utilities in 1980 varied across the States. Vermont, Louisiana, Massachusetts, Alaska, and Illinois paid the most, with coal prices ranging from $1.91 to $2.13 per million Btu. In contrast, electric utilities in Montana, New Mexico, Wyoming, and North Dakota paid the least, their coal prices ranging from $0.41 to $0.63 per million Btu. Residual fuel oil accounted for 12 percent of all fuel consumed and 28 percent of fuel purchased by the electric utilities. (See Table S1.)

Throughout the decade, utilities experienced some of the more dramatic increases in their fuel expenditures. (See Table S3.) Total electric utility expenditures increased 341 percent between 1970 and 1980. While other sectors experienced very little growth or decline in fuel consumption, the electric utilities experienced a 56 percent increase in consumption. Nuclear generated electricity increased most rapidly (1,016 percent) but amounted to only 12 percent of the total volume in 1980. Expenditures for natural gas also increased rapidly (272 percent) due to increasing natural gas prices.

Table S1. Distribution of Total U.S. Energy Consumption and Expenditures by Major Sector and by Major Energy Type, 1970, 1980 (Percent)

Sector/Electric Utilities	Consumption 1970	Consumption 1980	Expenditures 1970	Expenditures 1980
Residential	100	100	100	100
Total Petroleum Products	29	21	21	20
Distillate	[a](20)	(14)	(13)	(13)
Natural Gas	52	52	27	25
Electricity	17	26	52	55
Coal	2	1	--	--
Commercial	100	100	100	100
Total Petroleum Products	28	22	13	16
Distillate	(11)	(9)	(6)	(7)
Residual	(13)	(9)	(3)	(5)
Natural Gas	45	45	17	19
Electricity	22	32	69	65
Coal	5	1	1	--
Industrial	100	100	100	100
Total Petroleum Products	32	39	39	49
Distillate	(5)	(6)	(5)	(8)
Residual	(7)	(6)	(4)	(5)
LPG	(4)	(6)	(6)	(6)
Other Petroleum Products	(9)	(16)	(9)	(22)
Natural Gas	39	36	17	18
Electricity	8	12	32	28
Coal	21	13	12	5
Transportation	100	100	100	100
Motor Gasoline	67	64	86	73
Distillate	10	14	6	12
Jet Fuel	12	11	4	9
Residual	5	7	1	3
Lubricants	1	1	2	2
Natural Gas	5	3	1	1
Electric Utilities	100	100	100	100
Coal	53	57	52	43
Natural Gas	30	18	27	22
Residual	14	12	18	28
Distillate	1	1	2	3
Nuclear	2	12	1	4

[a]Percentages enclosed in parentheses represent a portion of the percent of total petroleum products.

Note: "--" = less than one percent.

Source: Energy Information Administration, Energy Prices and Expenditure Data System; EIA/DOE-0214(80) State Energy Data Report, July 1980.

Table S2. Distribution of Total Energy Consumption and End-Use Energy Expenditures by Major Energy Type, for Each Major End-Use Sector, 1970, 1980 (Percent)

Sector/Electric Utilities	Consumption 1970	Consumption 1980	Expenditures 1970	Expenditures 1980
Natural Gas	100	100	100	100
Residential	28	29	51	37
Commercial	14	16	18	19
Industrial	54	51	30	42
Transportation	4	4	1	2
Petroleum Products ...	100	100	100	100
Residential	10	6	9	6
Commercial	5	4	3	3
Industrial	29	29	15	22
Transportation	56	61	73	69
Distillate	100	100	100	100
Residential	36	22	41	23
Commercial	11	9	11	8
Industrial	23	22	15	20
Transportation	30	47	33	49
Residual	100	100	100	100
Residential	--	--	--	--
Commercial	23	17	26	21
Industrial	52	41	54	44
Transportation	25	42	20	35
Electricity	100	100	100	100
Residential	34	34	44	39
[a]Commercial	25	27	31	31
Industrial	41	39	25	30
Transportation	--	--	--	--

[a]Commercial sector includes other public authorities and interdepartmental sales in addition to small light and power and street and highway lighting.

Note: "--" = less than one percent.

Source: Energy Information Administration, Energy Price and Expenditure Data System.

Table S3. Percent Change in Total End-Use and Electric Utility Real Energy Expenditures, Consumption and Average U.S. Real Prices, from 1970 to 1980 (Percent Change)

Sector/Electric Utilities	Expenditures	Consumption	Prices
Total Residential	82	-2	85
Petroleum Products	76	-29	148
Distillate	90	-30	172
Natural Gas	69	-2	74
Electricity	90	54	24
Total Commercial	127	10	107
Petroleum Products	180	-15	227
Distillate	167	-12	204
Residual	274	-21	371
Natural Gas	145	8	126
Electricity	114	58	35
Total Industrial	206	-3	214
Petroleum Products	286	19	225
Distillate	370	8	337
Residual	260	-17	331
Natural Gas	221	-12	265
Electricity	164	43	85
Total Transportation	135	23	92
Motor Gasoline	103	16	75
Distillate	400	77	182
Jet Fuel	391	10	345
Total Electric Utilities .	341	56	183
Coal	267	68	119
Natural Gas	272	-6	296
Residual	582	25	446
Nuclear	1,303	1,016	26

Source: Energy Information Administration, Energy Price and Expenditure Data System.

Table 1. Fuel Expenditures and Electricity Sales by Fuel Type, 1970-1980: United States (Million Dollars)

ENERGY SOURCE	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
COAL											
METALLURGICAL COAL	1,219	1,222	1,472	1,793	3,270	3,949	3,929	3,474	3,586	3,832	3,572
OTHER COAL	1,133	1,087	1,074	1,033	1,859	2,034	1,916	2,126	2,451	2,481	2,375
(INCLUDING ELECTRICITY GENERATION)	3,374	3,726	4,049	4,908	10,625	10,338	10,317	12,412	14,736	16,190	18,457
TOTAL COAL	2,352	2,309	2,547	2,826	5,129	5,983	5,845	5,600	6,037	6,313	5,947
(INCLUDING ELECTRICITY GENERATION)	4,592	4,948	5,522	6,701	13,895	14,287	14,246	15,885	18,322	20,021	22,029
NATURAL GAS											
TOTAL NATURAL GAS	10,458	11,589	12,690	13,536	15,928	19,367	24,367	28,315	30,727	38,358	47,380
(INCLUDING ELECTRICITY GENERATION)	11,606	12,873	14,043	14,834	17,663	21,803	27,622	32,514	35,400	44,639	55,722
PETROLEUM PRODUCTS											
ASPHALT AND ROAD OIL	731	878	928	1,058	1,865	1,914	1,856	2,065	2,471	2,977	3,543
AVIATION GASOLINE	347	318	299	314	429	400	393	454	504	665	879
DISTILLATE FUEL OIL	6,055	6,640	7,149	8,937	14,205	14,902	17,642	20,948	22,535	31,371	40,578
(INCLUDING ELECTRICITY GENERATION)	6,143	6,797	7,435	9,384	15,196	15,668	18,414	22,040	23,682	32,533	41,627
JET FUEL	1,539	1,689	1,709	2,066	3,345	4,422	4,794	5,759	6,517	9,082	14,762
(INCLUDING ELECTRICITY GENERATION)	1,539	1,689	1,790	2,129	3,414	4,465	4,854	5,858	6,593	9,160	14,829
KEROSENE	650	649	607	645	932	900	1,049	1,208	1,274	1,986	2,398
LIQUEFIED PETROLEUM GASES	2,458	2,552	2,950	4,006	5,407	5,365	6,145	7,017	6,747	10,095	11,751
LUBRICANTS	1,817	1,777	1,922	2,153	2,939	2,845	3,154	3,473	3,798	4,983	5,184
MOTOR GASOLINE	31,595	33,486	35,342	39,675	54,127	59,445	64,459	70,047	74,403	95,167	123,310
RESIDUAL FUEL	1,376	1,758	1,989	2,555	5,392	5,084	6,080	7,097	6,983	9,176	12,087
(INCLUDING ELECTRICITY GENERATION)	2,165	3,078	3,711	5,056	11,006	10,804	12,120	14,967	14,085	18,303	22,595
ALL OTHER PETROLEUM PRODUCTS	1,649	1,735	1,898	2,500	5,446	5,924	7,041	8,903	9,852	14,656	23,567
(INCLUDING ELECTRICITY GENERATION)	1,663	1,749	1,913	2,511	5,459	5,926	7,044	8,907	9,863	14,667	23,582
TOTAL PETROLEUM	48,218	51,482	54,793	63,909	94,089	101,222	112,613	126,971	135,083	180,157	238,060
(INCLUDING ELECTRICITY GENERATION)	49,109	52,974	56,897	66,931	100,775	107,753	119,487	136,036	143,417	190,535	249,699
NUCLEAR POWER, ELECTRICITY GENERATION	44	76	105	195	270	468	539	741	977	923	1,199
WOOD AND WASTE, ELECTRICITY GENERATION	3	3	3	3	3	2	3	6	5	8	8
NET IMPORTS OF COAL COKE	-73	-40	-26	-8	147	53	*	47	401	241	-132
ELECTRICITY SALES	23,530	26,430	29,971	34,276	42,953	51,132	57,538	66,907	74,892	82,911	99,266
TOTAL (INCLUDING ELECTRICITY SALES, EXCLUDING ELECTRICITY GENERATION)	84,485	91,771	99,974	114,540	158,246	177,757	200,362	227,840	247,140	307,980	390,520
TOTAL (EXCLUDING ELECTRICITY SALES, INCLUDING ELECTRICITY GENERATION)	65,281	70,833	76,544	88,658	132,753	144,366	161,896	185,229	198,522	256,368	328,524

* LESS THAN 0.5.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: THERE ARE NO PURCHASED FUEL EXPENDITURES FOR ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: DATA FOR 1980 DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.

NOTE: THE "ALL OTHER PETROLEUM PRODUCTS" CATEGORY INCLUDES NATURAL GASOLINE, UNFRACTIONATED STREAM, PLANT CONDENSATE, PETROCHEMICAL FEEDSTOCKS, SPECIAL NAPHTHAS, PETROLEUM COKE (NOT CONSUMED IN ELECTRIC UTILITIES), STILL GAS, WAX, AND MISCELLANEOUS PRODUCTS. THE "(INCLUDING ELECTRICITY GENERATION)" CATEGORY INCLUDES PETROLEUM COKE FUEL EXPENDITURES FOR ELECTRIC UTILITIES.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 2. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: United States (Million Dollars)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
TOTAL	19,850	21,813	23,961	26,873	32,384	36,716	41,581	47,430	51,628	58,829	70,434
OTHER COAL	59	154	129	140	253	228	212	225	238	200	176
NATURAL GAS	5,294	5,734	6,239	6,259	6,977	8,407	9,996	11,351	12,476	14,708	17,507
TOTAL PETROLEUM	4,156	4,334	4,563	5,770	7,242	7,456	8,758	9,722	9,847	12,237	14,316
DISTILLATE FUEL	2,488	2,663	2,778	3,188	4,664	4,831	5,734	6,474	6,768	7,721	9,224
KEROSENE	459	469	432	426	538	505	613	634	619	747	890
LPG	1,209	1,202	1,354	2,157	2,040	2,120	2,411	2,614	2,460	3,768	4,202
ELECTRICITY SALES	10,341	11,590	13,030	14,704	17,912	20,625	22,616	26,133	29,066	31,685	38,435
COMMERCIAL SECTOR											
TOTAL	10,709	12,049	13,476	15,395	19,486	22,920	26,424	30,595	33,591	38,892	47,393
OTHER COAL	102	98	82	77	150	162	145	155	183	160	128
NATURAL GAS	1,854	2,069	2,297	2,445	2,749	3,388	4,398	5,098	5,823	7,615	8,854
TOTAL PETROLEUM	1,426	1,561	1,639	1,923	3,203	3,217	3,746	4,331	4,417	5,702	7,791
DISTILLATE FUEL	646	692	725	858	1,316	1,412	1,711	1,992	2,065	2,590	3,366
KEROSENE	47	45	45	63	118	115	117	155	173	377	282
LPG	131	140	151	155	251	249	284	323	322	410	519
MOTOR GASOLINE	247	244	253	270	360	415	466	515	563	741	1,037
RESIDUAL FUEL	354	440	465	578	1,158	1,027	1,168	1,345	1,294	1,584	2,587
ELECTRICITY SALES	7,328	8,321	9,458	10,950	13,384	16,152	18,135	21,012	23,168	25,415	30,619
INDUSTRIAL SECTOR											
TOTAL	18,124	19,692	22,009	26,017	41,599	46,696	54,249	63,318	69,008	86,587	108,356
METALLURGICAL COAL	1,219	1,222	1,472	1,793	3,270	3,949	3,929	3,474	3,586	3,832	3,572
OTHER COAL	969	833	862	815	1,454	1,643	1,559	1,746	2,031	2,121	2,071
NATURAL GAS	3,166	3,625	3,976	4,649	6,001	7,342	9,694	11,458	11,954	15,243	19,847
TOTAL PETROLEUM	7,019	7,576	8,290	10,200	19,160	19,466	22,396	26,935	28,482	39,470	52,936
ASPHALT	682	828	883	1,010	1,780	1,842	1,809	2,023	2,423	2,947	3,469
DISTILLATE FUEL	892	958	1,028	1,335	2,654	2,921	3,592	4,516	4,835	6,782	8,185
JET FUEL	0	0	0	0	0	21	9	7	0	0	0
KEROSENE	145	134	131	157	275	281	319	420	483	861	1,226
LPG	1,096	1,187	1,420	1,667	3,070	2,974	3,405	4,028	3,920	5,853	6,953
LUBRICANTS	933	902	976	1,173	1,601	1,398	1,549	1,786	1,953	2,563	2,666
MOTOR GASOLINE	824	799	728	800	1,013	1,039	1,017	1,004	936	1,141	1,530
RESIDUAL FUEL	749	982	1,182	1,510	3,234	2,995	3,608	4,207	4,033	4,638	5,266
ROAD OIL	49	50	45	48	86	72	46	42	47	30	74
OTHER PETROLEUM PRODUCTS	1,649	1,735	1,898	2,500	5,446	5,924	7,041	8,903	9,852	14,656	23,567
ELECTRICITY SALES	5,824	6,476	7,436	8,568	11,567	14,243	16,672	19,658	22,555	25,681	30,062
NET IMPORTS OF COAL COKE	-73	-40	-26	-8	147	53	*	47	401	241	-132
TRANSPORTATION SECTOR											
TOTAL	35,802	38,216	40,529	46,255	64,777	71,425	78,108	86,497	92,913	123,672	164,338
OTHER COAL	3	2	2	1	2	1	*	*	0	0	0
NATURAL GAS	144	161	178	183	201	230	279	408	474	793	1,171
TOTAL PETROLEUM	35,617	38,010	40,301	46,016	64,484	71,082	77,713	85,983	92,336	122,748	163,017
AVIATION GASOLINE	347	318	299	314	429	400	393	454	504	665	879
DISTILLATE FUEL	2,029	2,327	2,618	3,556	5,571	5,738	6,605	7,966	8,866	14,278	19,803
JET FUEL	1,539	1,689	1,709	2,066	3,345	4,401	4,785	5,751	6,517	9,082	14,762
LPG	22	23	26	27	46	42	46	52	45	64	77
LUBRICANTS	884	874	946	980	1,338	1,447	1,604	1,687	1,845	2,421	2,518
MOTOR GASOLINE	30,524	32,443	34,361	38,605	52,755	57,992	62,975	68,529	72,904	93,285	120,744
RESIDUAL FUEL	272	336	343	467	1,000	1,062	1,305	1,545	1,656	2,955	4,234
ELECTRICITY SALES	38	42	48	55	90	112	116	105	104	131	150
ELECTRIC UTILITIES											
TOTAL	4,326	5,492	6,540	8,395	17,460	17,741	19,072	24,297	26,274	31,299	37,270
OTHER COAL	2,240	2,639	2,975	3,875	8,766	8,304	8,401	10,286	12,285	13,709	16,082
NATURAL GAS	1,148	1,283	1,354	1,299	1,735	2,436	3,256	4,199	4,672	6,281	8,342
TOTAL PETROLEUM	891	1,491	2,104	3,022	6,686	6,531	6,874	9,065	8,334	10,378	11,639
DISTILLATE FUEL	89	158	286	447	991	765	771	1,092	1,147	1,162	1,049
JET FUEL	0	0	81	63	69	43	60	100	75	78	67
PETROLEUM COKE	14	14	15	11	13	2	3	4	10	11	14
RESIDUAL FUEL	789	1,320	1,722	2,501	5,614	5,720	6,039	7,870	7,102	9,127	10,508
NUCLEAR POWER	44	76	105	195	270	468	539	741	977	923	1,199
WOOD AND WASTE	3	3	3	3	3	2	3	6	5	8	8

* LESS THAN 0.5.

NOTE: TOTAL U.S. INDUSTRIAL FUEL EXPENDITURES INCLUDES NET IMPORTS OF COAL COKE.

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE EXPENDITURES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL SINCE THERE ARE NO ASSOCIATED FUEL COSTS FOR THESE ENERGY SOURCES.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: RESIDENTIAL, COMMERCIAL, INDUSTRIAL, AND TRANSPORTATION EXPENDITURES EXCLUDE ENERGY EXPENDITURES FOR WOOD AND WOOD WASTE.

NOTE: DATA MAY NOT SUM TO TOTAL DUE TO INDEPENDENT ROUNDING.

NOTE: DATA FOR 1980 INDUSTRIAL DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 3. Average Annual Fuel Prices by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: United States (Dollars per Million Btu)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
ALL FUELS	2.0893	2.2335	2.3743	2.7305	3.4058	3.8341	4.1603	4.8140	5.1896	6.0138	7.5449
OTHER COAL	.3473	.9580	1.0468	1.1702	2.1541	2.3767	2.3170	2.4794	2.5437	2.4499	2.7139
NATURAL GAS	1.0615	1.1187	1.1851	1.2576	1.4236	1.6737	1.9419	2.3103	2.5046	2.9097	3.5977
TOTAL PETROLEUM	1.5094	1.5619	1.5920	2.0842	2.8771	3.0424	3.2595	3.6723	3.8285	5.2833	7.3187
DISTILLATE FUEL	1.3256	1.4056	1.4122	1.6378	2.6096	2.7411	2.9358	3.3246	3.5568	4.8266	7.0410
KEROSENE	1.5372	1.5902	1.5926	1.8744	2.9292	3.1436	3.3243	3.7888	4.0479	5.6263	8.3458
LPG	2.0917	2.0536	2.1552	3.6246	3.7348	4.0175	4.3889	4.9064	4.7645	6.4572	7.7903
ELECTRICITY SALES	6.4999	6.8002	7.0900	7.4398	9.0796	10.2778	10.9296	11.8702	12.6305	13.5995	15.6999
COMMERCIAL SECTOR											
ALL FUELS	1.9567	2.1486	2.3251	2.6132	3.4139	4.0871	4.4007	5.1533	5.5136	6.2837	7.9003
OTHER COAL	.4124	.4137	.4529	.4483	.8609	1.1381	1.0727	1.1570	1.2599	1.2446	1.3524
NATURAL GAS	.7496	.8000	.8575	.9230	1.0504	1.3244	1.6180	2.0004	2.2036	2.6850	3.3119
TOTAL PETROLEUM	.9202	1.0438	1.0733	1.2389	2.2645	2.4572	2.5425	2.8857	2.9640	4.1599	5.8844
DISTILLATE FUEL	1.1001	1.1645	1.1655	1.3720	2.2793	2.4671	2.6532	3.0177	3.1808	4.5110	6.5315
KEROSENE	.7705	.8156	.8125	.9669	2.1681	2.3301	2.6742	2.9651	3.1537	4.8080	6.9565
LPG	1.2842	1.3552	1.3646	1.4729	2.6045	2.6730	2.9264	3.4406	3.5332	3.9840	5.4549
MOTOR GASOLINE	2.8625	2.9053	2.8987	3.1112	4.3328	4.6630	4.8123	5.1205	5.2833	7.0916	9.6849
RESIDUAL FUEL	.4973	.6680	.7133	.8619	1.9201	2.0304	1.9766	2.2655	2.1989	3.1012	4.5713
ELECTRICITY SALES	6.0902	6.4503	6.7101	7.2102	8.9101	10.1096	10.8103	11.9797	12.7695	13.7103	16.0601
INDUSTRIAL SECTOR											
ALL FUELS	.7479	.8196	.8829	.9941	1.6538	2.0406	2.2402	2.5717	2.7775	3.4068	4.5924
METALLURGICAL COAL	.4613	.5376	.6049	.7051	1.4015	1.6997	1.6993	1.7719	2.0051	1.9570	2.1640
OTHER COAL	.4109	.4107	.4568	.4515	.8480	1.1147	1.0574	1.1354	1.2827	1.2638	1.3528
NATURAL GAS	.3320	.3664	.4022	.4475	.5998	.8605	1.1064	1.3268	1.3999	1.7830	2.3642
TOTAL PETROLEUM	.8989	.9644	.9681	1.1207	2.2007	2.3758	2.4624	2.7512	2.8359	3.8348	5.7080
ASPHALT	.6693	.7866	.8123	.8332	1.5895	1.8832	1.8579	1.9537	2.1297	2.5812	3.6709
DISTILLATE FUEL	.7282	.7576	.7551	.9355	2.0341	2.2361	2.3887	2.6898	2.8327	3.9074	6.2121
JET FUEL	.0000	.0000	.0000	.0000	.0000	2.1479	2.3562	2.6988	.0000	.0000	.0000
KEROSENE	.7833	.8140	.8147	1.0095	2.1762	2.3595	2.5953	2.9303	3.1030	4.8502	6.7542
LPG	1.1085	1.1695	1.1883	1.3225	2.4509	2.5423	2.7355	3.1839	3.0852	4.0759	5.2400
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.8602	2.9110	2.8673	3.1324	4.3101	4.6537	4.8202	5.1126	5.2637	7.0643	9.6732
RESIDUAL FUEL	.4625	.6191	.6642	.8071	1.8410	1.9293	1.9015	2.1507	2.1230	2.7711	3.8955
ROAD OIL	.7674	.8955	.9044	.9269	1.8745	1.9848	1.9201	2.0023	2.1689	2.6194	4.2941
OTHER PETROLEUM PRODUCTS	.7282	.7576	.7551	.9355	2.0341	2.2361	2.3887	2.6898	2.8327	3.9074	6.2121
ELECTRICITY SALES	2.9900	3.2200	3.4000	3.6600	4.9499	6.0700	6.4799	7.3297	8.1703	8.9398	10.8099
NET IMPORTS OF COAL COKE	1.6682	1.6803	1.5641	1.6189	3.9073	5.4239	5.4235	4.8788	5.0689	5.6201	5.7682
TRANSPORTATION SECTOR											
ALL FUELS	2.2315	2.2945	2.2978	2.5004	3.5960	3.9347	4.1027	4.3884	4.5121	6.0598	8.3605
OTHER COAL	.3851	.3997	.4380	.4347	.8276	1.1074	1.0526	1.1342	.0000	.0000	.0000
NATURAL GAS	.1937	.2107	.2268	.2461	.2938	.3874	.4996	.7522	.8789	1.2961	1.8025
TOTAL PETROLEUM	2.3305	2.3942	2.3934	2.5932	3.7236	4.0509	4.2078	4.4883	4.6066	6.2037	8.5816
AVIATION GASOLINE	3.4553	3.5236	3.4986	3.7615	5.2408	5.6360	5.8299	6.4522	7.0471	9.4591	13.6675
DISTILLATE FUEL	1.2942	1.3698	1.3687	1.6473	2.6097	2.7731	2.9363	3.2781	3.3921	4.9952	7.1182
JET FUEL	.7799	.8197	.8172	.9693	1.6715	2.1795	2.3946	2.7548	3.0479	4.1553	6.7735
LPG	1.1267	1.2012	1.2233	1.3588	2.4966	2.5431	2.7545	3.2406	3.2202	4.0475	5.3227
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.8483	2.9036	2.8830	3.0995	4.3183	4.6448	4.8046	5.0899	5.2348	7.0555	9.7510
RESIDUAL FUEL	.3584	.4893	.5255	.6377	1.4119	1.4527	1.5212	1.6835	1.5114	2.3796	3.0215
ELECTRICITY SALES	4.3741	5.0235	5.6289	6.4387	10.0498	10.9280	11.0758	10.1350	11.5112	12.4843	14.1977
ELECTRIC UTILITIES											
ALL FUELS	.3166	.3817	.4181	.4940	1.0374	1.0338	1.0341	1.1987	1.2887	1.4941	1.7507
OTHER COAL	.3095	.3610	.3805	.4475	1.0267	.9448	.8640	1.0034	1.1985	1.2172	1.3235
NATURAL GAS	.2832	.3130	.3314	.3465	.4931	.7520	1.0329	1.2786	1.4173	1.7403	2.1913
TOTAL PETROLEUM	.4190	.5822	.6674	.8233	1.9111	2.0212	1.9903	2.2503	2.1857	3.0917	4.3848
DISTILLATE FUEL	.6137	.7659	.8245	1.0720	2.1400	2.1807	2.3510	2.6665	2.7090	4.2833	5.6601
JET FUEL	.0000	.0000	1.6272	1.7576	2.3547	2.3901	2.5014	2.7658	2.9517	4.3203	6.0946
PETROLEUM COKE	.7300	.7600	.7800	.7000	.6800	1.0000	1.2200	1.2100	.8600	1.4100	2.6700
RESIDUAL FUEL	.4016	.5647	.6292	.7810	1.8790	2.0000	1.9486	2.1983	2.1186	2.9832	4.2846
NUCLEAR POWER	.1828	.1830	.1793	.2147	.2121	.2461	.2552	.2743	.3232	.3401	.4487
WOOD AND WASTE	.8000	.8400	.8700	.9200	1.0000	1.1000	1.1500	1.2200	1.3100	1.5000	1.8100

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE PRICES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: THE FOLLOWING FUEL SECTOR PRICES HAVE BEEN SUBSTITUTED (SEE THE DOCUMENTATION FOR THE DETAILS), COAL COMMERCIAL = COAL INDUSTRIAL, KEROSENE COMMERCIAL = KEROSENE INDUSTRIAL, LPG COMMERCIAL = LPG INDUSTRIAL, MOTOR GASOLINE COMMERCIAL = MOTOR GASOLINE TRANSPORTATION; JET FUEL INDUSTRIAL = JET FUEL TRANSPORTATION, MOTOR GASOLINE INDUSTRIAL = MOTOR GASOLINE TRANSPORTATION, OTHER PETROLEUM PRODUCTS INDUSTRIAL = DISTILLATE INDUSTRIAL FOR THE UNITED STATES; COAL TRANSPORTATION = COAL INDUSTRIAL, LPG TRANSPORTATION = LPG INDUSTRIAL, LUBRICANTS TRANSPORTATION = LUBRICANTS INDUSTRIAL.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 4. Fuel Expenditures and Electricity Sales by Fuel Type, 1970-1980: Alabama (Million Dollars)

ENERGY EXPENDITURES ALL SECTORS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
COAL											
METALLURGICAL COAL	104	99	121	133	235	287	281	283	193	274	254
OTHER COAL	21	27	28	27	47	57	43	66	112	104	106
(INCLUDING ELECTRICITY GENERATION)	119	150	176	195	553	505	421	557	656	683	773
TOTAL COAL	125	126	149	160	282	344	325	349	305	378	360
(INCLUDING ELECTRICITY GENERATION)	224	250	297	328	787	792	703	840	849	957	1,027
NATURAL GAS											
TOTAL NATURAL GAS	146	158	169	180	214	237	303	376	437	688	759
(INCLUDING ELECTRICITY GENERATION)	150	161	170	181	218	244	309	383	452	704	763
PETROLEUM PRODUCTS											
ASPHALT AND ROAD OIL	14	14	17	20	26	33	34	41	53	53	63
AVIATION GASOLINE	5	5	5	5	6	6	6	7	7	9	13
DISTILLATE FUEL OIL	54	58	79	109	192	209	274	330	346	373	585
(INCLUDING ELECTRICITY GENERATION)	54	59	82	113	201	217	283	347	364	376	589
JET FUEL	7	8	7	8	15	19	20	24	30	40	65
(INCLUDING ELECTRICITY GENERATION)	7	8	7	8	15	19	20	24	30	40	65
KEROSENE	7	5	4	8	8	9	9	14	20	35	51
LIQUEFIED PETROLEUM GASES	53	53	59	92	80	78	87	108	93	125	150
LUBRICANTS	30	30	32	37	50	59	66	59	65	85	88
MOTOR GASOLINE	548	585	641	708	960	1,011	1,173	1,324	1,403	1,742	2,251
RESIDUAL FUEL	10	10	13	29	104	131	147	185	181	151	152
(INCLUDING ELECTRICITY GENERATION)	10	10	13	29	104	131	147	185	181	151	152
ALL OTHER PETROLEUM PRODUCTS	15	16	18	27	63	73	130	162	181	264	460
(INCLUDING ELECTRICITY GENERATION)	16	18	20	29	69	73	130	162	181	264	460
TOTAL PETROLEUM	742	783	874	1,042	1,504	1,629	1,944	2,254	2,379	2,877	3,878
(INCLUDING ELECTRICITY GENERATION)	743	786	880	1,049	1,518	1,637	1,954	2,272	2,397	2,880	3,883
NUCLEAR POWER, ELECTRICITY GENERATION	0	0	0	1	13	4	11	39	77	54	101
WOOD AND WASTE, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
ELECTRICITY SALES	413	465	536	656	800	944	1,094	1,414	1,554	1,818	2,135
TOTAL (INCLUDING ELECTRICITY SALES, EXCLUDING ELECTRICITY GENERATION)	1,426	1,532	1,728	2,038	2,799	3,155	3,665	4,393	4,675	5,761	7,132
TOTAL (EXCLUDING ELECTRICITY SALES, INCLUDING ELECTRICITY GENERATION)	1,117	1,196	1,347	1,558	2,537	2,677	2,976	3,534	3,776	4,595	5,774

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: THERE ARE NO PURCHASED FUEL EXPENDITURES FOR ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: DATA FOR 1980 DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.

NOTE: THE "ALL OTHER PETROLEUM PRODUCTS" CATEGORY INCLUDES NATURAL GASOLINE, UNFRACTIONATED STREAM, PLANT CONDENSATE, PETRO CHEMICAL FEEDSTOCKS, SPECIAL NAPHTHAS, PETROLEUM COKE (NOT CONSUMED IN ELECTRIC UTILITIES), STILL GAS, WAX, AND MISCELLANEOUS PRODUCTS. THE "(INCLUDING ELECTRICITY GENERATION)" CATEGORY INCLUDES PETROLEUM COKE FUEL EXPENDITURES FOR ELECTRIC UTILITIES.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE; THEREFORE, THE SUM OF ALL STATES WILL NOT EQUAL TOTAL U.S.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 5. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Alabama (Million Dollars)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
TOTAL ENERGY	291.25	315.04	351.77	447.31	488.76	516.14	604.14	760.73	813.02	930.47	1,138.20
OTHER COAL	.34	.38	1.03	1.05	.62	.32	.21	.49	4.64	3.78	5.51
NATURAL GAS (DRY)	62.97	65.01	67.34	75.51	85.09	81.31	111.90	128.94	151.66	189.86	209.67
TOTAL PETROLEUM	46.44	45.39	49.17	83.63	67.16	66.39	73.50	88.99	78.03	104.32	126.07
DISTILLATE FUEL	.24	.26	.41	.52	.94	1.05	1.93	2.05	1.93	2.35	.52
KEROSENE	2.17	1.47	1.01	2.72	2.30	2.51	2.36	3.44	4.75	5.38	10.35
LPG	44.03	43.66	47.74	80.39	63.91	62.84	69.20	83.50	71.35	96.59	115.20
ELECTRICITY	181.50	204.26	234.23	287.12	335.89	368.11	418.54	542.30	578.70	632.51	796.95
COMMERCIAL SECTOR											
TOTAL ENERGY	130.45	143.08	161.56	192.85	231.76	261.29	301.42	379.33	386.05	481.43	548.40
OTHER COAL	.68	.66	.79	.65	.45	.31	.22	.55	4.43	3.90	5.87
NATURAL GAS (DRY)	21.79	24.01	27.25	24.19	30.81	35.60	54.38	61.94	61.03	100.98	95.58
TOTAL PETROLEUM	14.42	15.05	16.43	18.90	27.28	28.13	37.21	43.73	42.25	53.97	58.51
DISTILLATE FUEL	1.45	1.58	2.49	3.17	6.13	6.87	12.69	13.39	12.51	16.19	23.34
KEROSENE	1.86	1.32	.90	2.31	2.70	3.00	2.93	4.45	6.33	7.39	6.74
LPG	5.32	6.02	6.60	6.34	8.74	8.12	10.07	12.50	9.48	12.47	15.22
MOTOR GASOLINE	5.79	6.13	6.44	7.07	9.70	10.14	11.50	13.37	13.90	17.91	13.13
RESIDUAL FUEL	*	*	*	*	.01	.01	.02	.02	.02	.02	.08
ELECTRICITY	93.56	103.35	117.09	149.11	173.22	197.25	209.60	273.11	278.33	322.57	388.44
INDUSTRIAL SECTOR											
TOTAL ENERGY	388.40	415.14	484.05	568.47	890.34	1,101.01	1,289.18	1,584.75	1,708.11	2,216.75	2,550.54
METALLURGICAL COAL	104.45	99.38	120.81	132.92	234.66	287.25	281.32	282.97	193.10	273.92	253.70
OTHER COAL	19.46	25.36	26.26	25.16	46.28	56.20	42.78	64.53	102.83	96.65	94.84
NATURAL GAS (DRY)	57.29	63.99	70.01	74.99	92.31	114.89	132.55	178.12	212.58	379.99	424.21
TOTAL PETROLEUM	68.86	68.96	82.59	115.15	226.61	263.66	366.83	460.55	502.61	603.34	828.63
ASPHALT	13.71	13.51	16.94	19.53	25.78	32.63	33.41	40.87	53.27	53.31	62.81
DISTILLATE FUEL	11.39	11.55	15.95	20.19	44.18	51.83	85.07	105.73	112.21	100.89	117.08
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KEROSENE	2.83	2.47	1.81	2.51	3.39	3.69	3.32	5.96	8.71	22.65	33.68
LPG	3.46	3.53	4.40	4.72	6.47	6.81	6.79	11.48	11.54	15.17	18.52
LUBRICANTS	14.29	14.19	15.35	19.44	26.53	24.93	27.63	30.15	32.97	43.26	45.00
MOTOR GASOLINE	3.01	2.99	3.01	3.16	3.04	4.43	2.43	3.62	2.78	2.10	5.27
RESIDUAL FUEL	5.26	4.83	7.42	18.65	53.80	65.48	77.81	99.71	100.21	101.75	86.10
ROAD OIL	.00	*	.01	.01	.03	.59	.46	.53	.00	.00	.00
OTHER PETROLEUM PRODUCTS	14.90	15.90	17.71	26.94	63.38	73.28	129.91	162.49	180.92	264.22	460.16
ELECTRICITY	138.34	157.44	184.38	220.26	290.47	379.01	465.70	598.58	696.99	862.84	949.16
TRANSPORTATION SECTOR											
TOTAL ENERGY	615.97	658.58	730.12	829.80	1,188.31	1,276.29	1,470.59	1,668.15	1,767.99	2,132.09	2,894.67
OTHER COAL	.15	.13	.11	.07	.09	.04	.02	.01	.00	.00	.00
NATURAL GAS (DRY)	3.95	4.53	4.37	5.14	5.58	5.36	3.78	7.20	11.72	17.10	29.95
TOTAL PETROLEUM	611.87	653.92	725.64	824.58	1,182.63	1,270.89	1,466.80	1,660.94	1,756.26	2,114.99	2,864.72
AVIATION GASOLINE	4.70	4.70	4.67	4.87	6.36	5.82	5.72	6.63	7.04	9.28	13.01
DISTILLATE FUEL	40.90	45.08	59.72	85.28	140.63	149.39	174.13	208.40	219.37	253.12	443.57
JET FUEL	7.23	7.56	7.19	8.37	14.65	19.02	19.63	24.45	30.10	39.64	65.39
LPG	.27	.28	.32	.34	.44	.40	.50	.56	.46	.60	.73
LUBRICANTS	15.41	15.73	17.02	17.37	23.71	34.54	38.29	28.92	31.62	41.50	43.17
MOTOR GASOLINE	538.83	575.67	631.35	697.51	947.01	996.14	1,158.96	1,306.59	1,386.73	1,721.69	2,232.56
RESIDUAL FUEL	4.54	4.89	5.38	10.85	49.83	65.58	69.56	85.38	80.95	49.17	66.28
ELECTRICITY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRIC UTILITIES											
TOTAL ENERGY	104.33	129.41	154.96	176.28	537.09	467.12	404.84	554.84	654.44	652.62	776.65
OTHER COAL	98.59	123.69	147.85	167.65	505.19	448.13	377.97	491.58	544.08	579.16	667.14
NATURAL GAS (DRY)	4.21	3.21	.96	1.58	4.30	6.62	6.63	6.67	15.04	16.34	3.74
TOTAL PETROLEUM	1.52	2.50	6.15	6.35	14.64	8.21	9.44	17.36	18.16	3.44	4.74
DISTILLATE FUEL	.15	.52	3.72	3.92	9.40	8.21	9.44	17.36	18.16	3.44	4.74
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PETROLEUM COKE	1.38	1.98	2.43	2.43	5.25	.00	.00	.00	.00	.00	.00
RESIDUAL FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NUCLEAR POWER	.00	.00	.00	.70	12.97	4.16	10.80	39.24	77.16	53.68	101.04
WOOD AND WASTE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

* LESS THAN .005.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE TO THE INDUSTRIAL SECTOR BY STATE.

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE EXPENDITURES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL SINCE THERE ARE NO ASSOCIATED FUEL COSTS FOR THESE ENERGY SOURCES.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MEXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: COAL INCLUDES ANTHRACITE, BITUMINOUS, AND LIGNITE EXCEPT IN THE TRANSPORTATION SECTOR WHICH DOES NOT CONSUME ANTHRACITE.

NOTE: RESIDENTIAL, COMMERCIAL, INDUSTRIAL, AND TRANSPORTATION EXPENDITURES EXCLUDE ENERGY EXPENDITURES FOR WOOD AND WOOD WASTE.

NOTE: EXPENDITURES ON NET IMPORTS OF COAL COKE ARE NOT DISTRIBUTED BY STATE; THEREFORE, THE SUM OF THE TOTAL EXPENDITURES BY STATE WILL NOT EQUAL THE TOTAL U.S. EXPENDITURE.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, THE ENERGY, PRICE, AND EXPENDITURES DATA SYSTEM (EPEDS)

Table 6. Average Annual Fuel Prices by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Alabama (Dollars per Million Btu)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
ALL FUELS	2.4652	2.6188	2.8330	3.4567	3.9399	4.4875	4.8696	5.9038	6.2992	7.5209	8.8924
OTHER COAL	.2873	.3778	.9173	1.1704	1.8620	1.8240	1.9000	2.0100	2.9050	2.3737	2.5609
NATURAL GAS	1.0949	1.1492	1.2279	1.3294	1.5077	1.5238	1.9310	2.2395	2.6208	3.5501	3.9126
TOTAL PETROLEUM	2.3087	2.1647	2.1698	3.8832	3.9119	4.2217	4.0966	4.6808	4.9068	6.0063	7.8484
DISTILLATE FUEL	1.1352	1.2789	1.2929	1.3790	2.1272	2.4806	2.7820	3.2895	3.4738	4.5778	6.8119
KEROSENE	1.6224	1.6658	1.6892	1.9419	2.9582	3.3098	3.5551	3.8542	4.2629	6.9831	9.2208
LPG	2.3712	2.1960	2.1960	4.0688	4.0082	4.3196	4.1732	4.7725	5.0133	6.0050	7.7500
ELECTRICITY	4.6148	4.8919	5.1431	5.7228	6.7026	8.0457	8.7076	10.4245	10.7762	12.3348	14.1826
COMMERCIAL SECTOR											
ALL FUELS	1.9677	2.1446	2.3119	2.8121	3.3420	3.9651	4.3671	5.4138	5.7073	6.5381	8.2979
OTHER COAL	.3067	.3536	.3770	.3868	.7328	.9492	1.0966	1.2212	1.4958	1.4653	1.5895
NATURAL GAS	.5830	.6354	.7096	.7161	.8512	1.0437	1.5491	1.7720	2.0261	2.7017	3.2720
TOTAL PETROLEUM	1.5531	1.7168	1.7341	1.7015	2.7709	2.9829	3.1828	3.6704	3.7450	5.0878	6.7151
DISTILLATE FUEL	.9470	1.0454	1.0518	1.1370	1.8724	2.2098	2.4851	2.9158	3.0460	4.2822	6.2806
KEROSENE	.7708	.8293	.8293	.9119	1.9192	2.1881	2.4336	2.7571	3.1446	5.2986	6.7582
LPG	1.6224	1.7157	1.7212	1.8185	3.1048	3.1631	3.4419	4.0480	3.7765	4.3917	5.8033
MOTOR GASOLINE	2.8173	2.8494	2.9477	3.0835	4.1415	4.2592	4.7043	5.1235	5.2680	6.9199	9.6737
RESIDUAL FUEL	.5319	.6717	.7140	.8395	1.7664	1.7810	1.7527	2.0291	1.9878	2.6593	4.0060
ELECTRICITY	5.3727	5.6536	5.8793	6.7739	7.6350	8.9535	9.5179	12.0074	11.9596	14.0326	15.8719
INDUSTRIAL SECTOR											
ALL FUELS	.6290	.7122	.7848	.9300	1.4898	1.8522	2.1795	2.6700	2.9099	3.3682	4.2446
METALLURGICAL COAL	.4377	.4792	.5446	.6631	1.3054	1.5488	1.5404	2.1242	1.8727	1.8569	2.0215
OTHER COAL	.3067	.3536	.3770	.3868	.7328	.9492	1.0966	1.2212	1.4958	1.4653	1.5895
NATURAL GAS	.3246	.3788	.4110	.4619	.5634	.7243	1.0616	1.2805	1.5756	2.1426	2.4291
TOTAL PETROLEUM	.8898	.9463	.9597	1.0471	1.9485	2.1736	2.2371	2.5496	2.6700	3.5433	5.5253
ASPHALT	.6504	.6580	.7629	.8094	1.2518	1.8529	1.7229	1.9513	2.1591	2.5501	3.0221
DISTILLATE FUEL	.6908	.7434	.7434	.8174	1.7202	2.0378	2.2249	2.6713	2.8652	3.6455	6.0162
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
KEROSENE	.7708	.8293	.8293	.9119	1.9192	2.1881	2.4336	2.7571	3.1446	5.2986	6.7582
LPG	1.6224	1.7157	1.7212	1.8185	3.1048	3.1631	3.4419	4.0480	3.7765	4.3917	5.8033
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.8173	2.8494	2.9477	3.0835	4.1415	4.2592	4.7043	5.1235	5.2680	6.9199	9.6737
RESIDUAL FUEL	.5201	.6569	.6982	.8210	1.7274	1.7417	1.7337	1.9691	1.9691	2.3888	3.6087
ROAD OIL	.0000	.6597	.7595	.8278	1.3170	1.7089	1.7089	1.8354	.0000	.0000	.0000
OTHER PETROLEUM PRODUCTS	.7282	.7576	.7551	.9355	2.0341	2.2361	2.3887	2.6898	2.8327	3.9074	6.2121
ELECTRICITY	2.2473	2.5395	2.6772	2.9994	3.8967	5.4257	5.7476	6.8222	7.5776	8.8922	10.4158
TRANSPORTATION SECTOR											
ALL FUELS	2.2929	2.3426	2.4318	2.5448	3.3980	3.5148	3.9322	4.2293	4.3187	6.0318	8.2983
OTHER COAL	.3067	.3536	.3770	.3868	.7328	.9492	1.0966	1.2212	.0000	.0000	.0000
NATURAL GAS	.1928	.2132	.2231	.2546	.2821	.3119	.4524	.6935	1.0644	1.2884	1.7775
TOTAL PETROLEUM	2.4705	2.5198	2.5883	2.6974	3.5860	3.6741	4.0118	4.3250	4.4087	6.2168	8.6294
AVIATION GASOLINE	3.4553	3.5236	3.4986	3.7615	5.2408	5.6360	5.8299	6.4522	7.0471	9.2353	13.3122
DISTILLATE FUEL	1.3126	1.3359	1.4079	1.7322	2.6996	2.8930	3.0551	3.3103	3.2666	4.7140	6.9239
JET FUEL	.6793	.7141	.7119	.8437	1.4548	1.8978	2.0440	2.3760	2.6840	3.6300	5.9520
LPG	1.6224	1.7157	1.7212	1.8185	3.1048	3.1631	3.4419	4.0480	3.7765	4.3917	5.8033
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.8173	2.8494	2.9477	3.0835	4.1415	4.2592	4.7043	5.1235	5.2680	6.9199	9.6737
RESIDUAL FUEL	.4307	.5439	.5782	.6798	1.4303	1.4409	1.4667	1.6529	1.5425	2.2014	3.0010
ELECTRICITY	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
ELECTRIC UTILITIES											
ALL FUELS	.2612	.3479	.3873	.3952	1.0784	1.0602	.8657	.8453	.9978	.9498	1.0777
OTHER COAL	.2590	.3460	.3800	.3902	1.2318	1.1184	.9151	1.1280	1.3873	1.3042	1.4241
NATURAL GAS	.2645	.3120	.3415	.3574	.8477	1.0770	1.6460	1.7363	2.0731	2.2791	2.6157
TOTAL PETROLEUM	.5303	.5933	.7484	.7462	1.1547	2.1645	2.3582	2.6647	2.7318	4.3100	6.3511
DISTILLATE FUEL	.8434	.9462	.9586	.8931	2.0954	2.1645	2.3582	2.6647	2.7318	4.3100	6.3511
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
PETROLEUM COKE	.5100	.5400	.5600	.5900	.6400	.0000	.0000	.0000	.0000	.0000	.0000
RESIDUAL FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
NUCLEAR POWER	.0000	.0000	.0000	.2047	.1847	.1389	.2320	.1866	.3089	.2284	.4041
WOOD AND WASTE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE PRICES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: THE FOLLOWING FUEL SECTOR PRICES HAVE BEEN SUBSTITUTED (SEE THE DOCUMENTATION FOR THE DETAILS), COAL COMMERCIAL = COAL INDUSTRIAL, KEROSENE COMMERCIAL = KEROSENE INDUSTRIAL, LPG COMMERCIAL = LPG INDUSTRIAL, MOTOR GASOLINE COMMERCIAL = MOTOR GASOLINE TRANSPORTATION; JET FUEL INDUSTRIAL = JET FUEL TRANSPORTATION, MOTOR GASOLINE INDUSTRIAL = MOTOR GASOLINE TRANSPORTATION, OTHER PETROLEUM PRODUCTS INDUSTRIAL = DISTILLATE INDUSTRIAL UNITED STATES; COAL TRANSPORTATION = COAL INDUSTRIAL, LPG TRANSPORTATION = LPG INDUSTRIAL, LUBRICANTS TRANSPORTATION = LUBRICANTS INDUSTRIAL.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 7. Fuel Expenditures and Electricity Sales by Fuel Type, 1970-1980: Alaska (Million Dollars)

ENERGY EXPENDITURES ALL SECTORS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
COAL											
METALLURGICAL COAL	0	0	0	0	0	0	0	0	0	0	0
OTHER COAL	7	5	7	5	8	13	11	8	0	0	0
(INCLUDING ELECTRICITY GENERATION)	10	7	10	7	12	19	16	13	7	6	9
TOTAL COAL	7	5	7	5	8	13	11	8	0	0	0
(INCLUDING ELECTRICITY GENERATION)	10	7	10	7	12	19	16	13	7	6	9
NATURAL GAS											
TOTAL NATURAL GAS	30	35	41	32	33	56	64	100	122	133	78
(INCLUDING ELECTRICITY GENERATION)	34	40	47	39	43	77	99	108	131	165	89
PETROLEUM PRODUCTS											
ASPHALT AND ROAD OIL	1	2	2	1	3	4	3	4	4	3	7
AVIATION GASOLINE	8	7	7	8	12	13	11	14	15	20	34
DISTILLATE FUEL OIL	29	40	40	49	94	103	150	174	191	136	252
(INCLUDING ELECTRICITY GENERATION)	30	42	43	52	99	112	164	188	206	162	269
JET FUEL	30	35	37	41	71	91	103	124	140	183	348
(INCLUDING ELECTRICITY GENERATION)	30	35	37	41	71	91	103	124	140	183	348
KEROSENE	*	*	*	*	2	3	1	2	2	40	1
LIQUEFIED PETROLEUM GASES	1	1	2	3	3	3	5	6	8	11	13
LUBRICANTS	2	2	2	2	2	8	9	7	7	10	10
MOTOR GASOLINE	44	49	62	58	89	113	132	145	142	191	197
RESIDUAL FUEL	3	4	5	5	10	12	15	19	26	5	*
(INCLUDING ELECTRICITY GENERATION)	3	4	5	5	10	12	15	19	26	5	12
ALL OTHER PETROLEUM PRODUCTS	4	3	5	5	11	17	19	20	27	35	64
(INCLUDING ELECTRICITY GENERATION)	4	3	5	5	11	17	19	20	27	35	64
TOTAL PETROLEUM	122	142	161	171	297	367	450	514	563	634	928
(INCLUDING ELECTRICITY GENERATION)	123	144	164	175	302	377	464	528	577	661	956
NUCLEAR POWER, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
WOOD AND WASTE, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
ELECTRICITY SALES	34	40	45	49	53	66	83	99	108	109	116
TOTAL (INCLUDING ELECTRICITY SALES, EXCLUDING ELECTRICITY GENERATION)	193	223	255	257	391	503	607	721	792	876	1,122
TOTAL (EXCLUDING ELECTRICITY SALES, INCLUDING ELECTRICITY GENERATION)	167	190	221	221	357	472	578	649	715	832	1,054

* LESS THAN .5.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: THERE ARE NO PURCHASED FUEL EXPENDITURES FOR ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: DATA FOR 1980 DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.

NOTE: THE "ALL OTHER PETROLEUM PRODUCTS" CATEGORY INCLUDES NATURAL GASOLINE, UNFRACTIONATED STREAM, PLANT CONDENSATE, PETRO CHEMICAL FEEDSTOCKS, SPECIAL NAPHTHAS, PETROLEUM COKE (NOT CONSUMED IN ELECTRIC UTILITIES), STILL GAS, WAX, AND MISCELLANEOUS PRODUCTS. THE "(INCLUDING ELECTRICITY GENERATION)" CATEGORY INCLUDES PETROLEUM COKE FUEL EXPENDITURES FOR ELECTRIC UTILITIES.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE; THEREFORE, THE SUM OF ALL STATES WILL NOT EQUAL TOTAL U.S.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 8. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Alaska (Million Dollars)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
TOTAL ENERGY	38.17	47.09	48.40	49.39	61.29	77.96	93.89	109.10	127.03	122.57	117.02
OTHER COAL	.07	.17	.20	.15	.21	.17	.24	.31	.00	.00	.00
NATURAL GAS (DRY)	9.68	10.83	13.32	7.99	6.70	17.16	18.30	19.56	21.75	12.72	14.04
TOTAL PETROLEUM	11.74	16.03	12.86	18.94	29.11	29.57	38.81	44.46	55.56	60.69	51.44
DISTILLATE FUEL	10.53	14.69	11.48	16.00	25.45	25.78	35.60	41.57	51.39	25.50	46.17
KEROSENE	.28	.29	.22	.19	1.89	2.23	.75	1.22	1.17	30.54	.00
LPG	.93	1.05	1.16	2.75	1.77	1.56	2.46	1.67	3.00	4.65	5.27
ELECTRICITY	16.67	20.07	22.02	22.32	25.27	31.07	36.54	44.77	49.72	49.17	51.54
COMMERCIAL SECTOR											
TOTAL ENERGY	33.78	38.33	48.90	48.41	61.23	64.39	68.34	87.06	90.03	82.45	90.88
OTHER COAL	.21	.12	.24	.09	.20	.26	.21	.22	.00	.00	.00
NATURAL GAS (DRY)	8.79	10.70	13.38	9.62	11.67	14.25	15.21	19.86	20.47	16.65	17.83
TOTAL PETROLEUM	9.48	9.07	14.33	15.11	24.75	25.82	24.75	33.70	32.95	20.98	36.53
DISTILLATE FUEL	2.98	4.14	3.24	4.58	7.55	7.60	10.52	12.27	15.06	7.65	22.17
KEROSENE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LPG	.07	.08	.09	.13	.14	.12	.20	.14	.26	.32	.41
MOTOR GASOLINE	4.12	1.92	7.51	7.20	10.35	11.28	8.18	14.23	11.05	12.80	13.84
RESIDUAL FUEL	2.31	2.93	3.50	3.19	6.70	6.82	5.86	7.06	6.57	.20	.10
ELECTRICITY	15.30	18.44	20.95	23.59	24.62	24.06	28.17	33.28	36.61	44.82	36.52
INDUSTRIAL SECTOR											
TOTAL ENERGY	30.45	31.88	48.91	40.50	66.68	108.56	141.38	189.31	218.43	233.62	240.97
METALLURGICAL COAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER COAL	6.51	4.55	6.24	4.96	8.05	12.86	10.86	7.62	.00	.00	.00
NATURAL GAS (DRY)	7.44	8.70	12.29	14.29	14.49	24.51	29.98	60.11	79.85	103.22	45.93
TOTAL PETROLEUM	14.64	16.68	27.96	18.63	41.40	59.90	82.65	101.12	117.19	115.22	167.07
ASPHALT	1.03	1.58	1.74	1.34	2.39	3.53	3.08	3.80	3.97	3.35	7.38
DISTILLATE FUEL	7.42	8.50	6.77	9.37	23.53	32.22	51.92	66.19	74.28	54.39	78.90
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KEROSENE	.06	.06	.04	.05	.45	.55	.65	.88	.98	9.50	.96
LPG	.30	.37	.43	.34	.71	1.33	2.61	4.30	4.73	5.83	7.45
LUBRICANTS	.03	.03	.03	.03	.04	1.39	1.54	1.23	1.34	1.76	1.83
MOTOR GASOLINE	1.79	3.29	14.01	2.07	2.40	2.88	3.38	3.71	3.63	4.89	5.95
RESIDUAL FUEL	.20	.09	.23	.30	.64	.37	.13	.13	1.07	.00	.32
ROAD OIL	.01	.02	.04	.04	.47	.27	.33	.37	.03	*	.06
OTHER PETROLEUM PRODUCTS	3.80	2.74	4.67	5.08	10.78	17.37	19.02	20.49	27.15	35.50	64.24
ELECTRICITY	1.86	1.95	2.42	2.61	2.74	11.29	17.88	20.47	21.39	15.18	27.97
TRANSPORTATION SECTOR											
TOTAL ENERGY	90.88	105.23	108.74	118.81	201.46	251.89	303.47	335.14	356.96	437.72	672.68
OTHER COAL	.01	.01	.01	*	*	*	*	*	.00	.00	.00
NATURAL GAS (DRY)	4.56	4.78	2.50	.05	.03	.03	.09	.15	.10	.12	.10
TOTAL PETROLEUM	86.30	100.44	106.23	118.76	201.42	251.85	303.38	334.99	356.86	437.59	672.59
AVIATION GASOLINE	7.88	6.90	6.83	7.50	11.86	12.76	11.34	13.91	15.00	20.23	34.12
DISTILLATE FUEL	8.07	12.44	18.82	18.60	37.57	37.00	52.33	53.66	50.40	48.10	105.00
JET FUEL	29.92	35.31	37.17	40.63	70.78	91.15	102.76	123.66	140.04	183.13	347.98
LPG	*	*	.00	.00	.00	.00	.00	.00	.00	.00	.00
LUBRICANTS	2.17	1.74	1.88	1.78	2.43	6.84	7.58	5.60	6.13	8.04	8.36
MOTOR GASOLINE	37.95	43.35	40.73	48.94	76.12	99.32	120.70	126.68	126.86	173.78	177.13
RESIDUAL FUEL	.31	.70	.80	1.31	2.66	4.79	8.66	11.47	18.44	4.31	.00
ELECTRICITY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRIC UTILITIES											
TOTAL ENERGY	7.15	8.27	10.97	12.47	19.44	35.89	53.61	26.77	30.42	64.63	48.43
OTHER COAL	2.84	1.96	2.90	2.20	3.78	5.30	4.29	4.72	6.84	6.03	9.05
NATURAL GAS (DRY)	3.15	4.51	5.79	6.82	10.28	21.00	35.32	8.09	9.00	32.26	10.84
TOTAL PETROLEUM	1.15	1.79	2.28	3.46	5.38	9.59	14.01	13.96	14.58	26.34	28.54
DISTILLATE FUEL	1.10	1.78	2.27	3.43	5.34	9.59	14.01	13.96	14.58	26.34	16.97
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PETROLEUM COKE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RESIDUAL FUEL	.05	.01	.01	.03	.04	.00	.00	.00	.00	.00	11.58
NUCLEAR POWER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WOOD AND WASTE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

* LESS THAN .005.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE TO THE INDUSTRIAL SECTOR BY STATE.

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE EXPENDITURES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL SINCE THERE ARE NO ASSOCIATED FUEL COSTS FOR THESE ENERGY SOURCES.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MEXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: COAL INCLUDES ANTHRACITE, BITUMINOUS, AND LIGNITE EXCEPT IN THE TRANSPORTATION SECTOR WHICH DOES NOT CONSUME ANTHRACITE.

NOTE: RESIDENTIAL, COMMERCIAL, INDUSTRIAL, AND TRANSPORTATION EXPENDITURES EXCLUDE ENERGY EXPENDITURES FOR WOOD AND WOOD WASTE.

NOTE: EXPENDITURES ON NET IMPORTS OF COAL COKE ARE NOT DISTRIBUTED BY STATE; THEREFORE, THE SUM OF THE TOTAL EXPENDITURES BY STATE WILL NOT EQUAL THE TOTAL U.S. EXPENDITURE.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, THE ENERGY, PRICE, AND EXPENDITURES DATA SYSTEM (EPEDS)

Table 9. Average Annual Fuel Prices by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Alaska (Dollars per Million Btu)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
ALL FUELS	2.2796	2.3181	2.4779	2.7624	3.5096	3.2763	3.5298	3.8199	3.9875	5.7639	6.1391
OTHER COAL	.3353	.8846	.8259	1.1514	1.4535	1.1400	1.9000	2.5200	.0000	.0000	.0000
NATURAL GAS	1.5115	1.5234	1.5453	1.5585	1.5722	1.6189	1.6448	1.7014	1.7599	1.7080	1.7318
TOTAL PETROLEUM	1.4101	1.4759	1.5079	1.8416	2.7772	2.9616	3.2358	3.3458	3.5363	5.9609	7.1164
DISTILLATE FUEL	1.3287	1.4096	1.4169	1.6447	2.6146	2.7984	3.1068	3.2435	3.4098	4.7226	6.7925
KEROSENE	2.5785	2.7254	2.9668	3.3371	4.3207	4.3036	4.4721	4.9145	5.1370	7.0773	.0000
LPG	3.1922	3.1390	3.2900	5.5300	5.6984	6.1336	6.6956	7.5002	7.2819	9.9742	12.2300
ELECTRICITY	9.2760	9.3127	10.2768	9.5290	9.8182	10.1442	10.8913	12.2503	13.1288	13.5066	13.8328
COMMERCIAL SECTOR											
ALL FUELS	1.4200	1.4879	1.6723	1.9844	2.3758	2.4862	2.6897	3.1118	3.1742	3.5915	3.7578
OTHER COAL	.5363	.3407	.5406	.3783	.7171	.9401	.8963	.9704	.0000	.0000	.0000
NATURAL GAS	.6813	.7281	.8134	.7685	.8695	.9692	1.0519	1.3381	1.3249	1.0313	1.0547
TOTAL PETROLEUM	1.0694	1.0303	1.3883	1.6276	2.5843	2.9721	3.0324	3.3237	3.2913	6.0406	7.6078
DISTILLATE FUEL	1.2130	1.2822	1.2900	1.5219	2.5056	2.6638	2.9649	3.0916	3.2283	4.5780	6.6320
KEROSENE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
LPG	1.3200	1.3728	1.3784	1.4717	2.5359	2.7462	3.0339	3.4622	3.6201	3.9501	5.4612
MOTOR GASOLINE	3.1864	3.2502	3.2161	3.4665	4.7732	5.1690	5.3597	5.6830	5.9443	7.7867	10.1987
RESIDUAL FUEL	.4559	.5953	.6465	.7774	1.5452	1.8900	1.9376	1.9472	1.9252	2.6802	4.0592
ELECTRICITY	9.4297	9.6688	10.3543	10.0400	9.8429	10.7910	11.0312	12.0089	12.6237	13.4295	14.7609
INDUSTRIAL SECTOR											
ALL FUELS	.5840	.6024	.7601	.6485	1.1367	1.3595	1.6133	1.7080	1.6512	1.7495	1.8534
METALLURGICAL COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
OTHER COAL	.5363	.3407	.5406	.3783	.7171	.9401	.8963	.9704	.0000	.0000	.0000
NATURAL GAS	.3703	.4431	.4217	.4704	.4988	.5973	.6896	.8852	.8448	.9667	.4484
TOTAL PETROLEUM	.7485	.8520	1.2030	1.0059	2.3063	2.5507	2.7260	3.0582	3.2869	4.5592	6.6812
ASPHALT	.5696	.8120	.8218	.8501	1.7093	1.7882	1.6086	1.7351	1.9249	2.4436	3.6181
DISTILLATE FUEL	.6630	.6815	.6902	.9193	2.4395	2.6781	2.8326	3.1949	3.5142	4.9802	7.6266
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
KEROSENE	.7621	.7834	.7933	1.0567	2.8040	3.0195	3.2872	3.6522	4.1106	5.7574	8.8653
LPG	1.3200	1.3728	1.3784	1.4717	2.5359	2.7462	3.0339	3.4622	3.6201	3.9501	5.4612
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	3.1864	3.2502	3.2161	3.4665	4.7732	5.1690	5.3597	5.6830	5.9443	7.7867	10.1987
RESIDUAL FUEL	.4458	.5821	.6322	.7603	1.5110	1.8483	1.9166	1.8896	1.9071	.0000	3.6566
ROAD OIL	.6615	.7894	.8538	.9775	1.9476	1.9260	1.7125	1.8257	1.9431	2.4371	4.1150
OTHER PETROLEUM PRODUCTS	.7282	.7576	.7551	.9355	2.0341	2.2361	2.3887	2.6898	2.8327	3.9074	6.2121
ELECTRICITY	5.3770	5.4072	5.7289	6.2065	6.4885	6.8212	10.3924	10.1603	10.1296	10.2056	10.8273
TRANSPORTATION SECTOR											
ALL FUELS	1.1635	1.2114	1.2834	1.6458	2.6018	3.1385	3.3842	3.5524	3.6083	5.2026	7.5588
OTHER COAL	.5363	.3407	.5406	.3783	.7171	.9401	.8963	.9704	.0000	.0000	.0000
NATURAL GAS	.2557	.2696	.2776	.2796	.2985	.3493	.5704	.5817	.5027	.1375	.7265
TOTAL PETROLEUM	1.4326	1.4534	1.4034	1.6492	2.6053	3.1419	3.3890	3.5608	3.6143	5.2571	7.5689
AVIATION GASOLINE	3.4553	3.5236	3.4986	3.7615	5.2408	5.6360	5.8299	6.4522	7.0471	9.4017	14.6434
DISTILLATE FUEL	1.3863	1.5079	1.4534	1.7103	2.7644	3.0188	3.1381	3.2067	3.2406	4.8009	6.9514
JET FUEL	.7667	.8059	.8030	.9526	1.6422	2.1415	2.4340	2.7423	2.9949	3.9668	6.5057
LPG	1.3200	1.3728	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	3.1864	3.2502	3.2161	3.4665	4.7732	5.1690	5.3597	5.6830	5.9443	7.7867	10.1987
RESIDUAL FUEL	.3691	.4820	.5235	.6295	1.2512	1.5290	1.6214	1.5862	1.4939	2.2187	.0000
ELECTRICITY	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
ELECTRIC UTILITIES											
ALL FUELS	.4750	.4592	.5339	.5253	.7916	1.2500	1.6482	.7953	.8667	1.6365	1.2171
OTHER COAL	.6670	.4156	.6750	.5298	.8160	1.1848	.9770	1.0800	1.4591	1.3100	1.9060
NATURAL GAS	.3731	.4249	.4308	.4210	.5877	1.0434	1.5549	.3341	.3564	1.1026	.3644
TOTAL PETROLEUM	.4936	.6738	.8117	1.0149	2.2126	2.3323	2.5826	2.7497	2.8306	4.6766	5.3849
DISTILLATE FUEL	.4996	.6746	.8120	1.0160	2.2153	2.3323	2.5826	2.7497	2.8306	4.6766	5.8024
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
PETROLEUM COKE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
RESIDUAL FUEL	.3946	.5953	.7452	.9129	1.8685	.0000	.0000	.0000	.0000	.0000	4.8712
NUCLEAR POWER	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
WOOD AND WASTE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE PRICES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: THE FOLLOWING FUEL SECTOR PRICES HAVE BEEN SUBSTITUTED (SEE THE DOCUMENTATION FOR THE DETAILS), COAL COMMERCIAL = COAL INDUSTRIAL, KEROSENE COMMERCIAL = KEROSENE INDUSTRIAL, LPG COMMERCIAL = LPG INDUSTRIAL, MOTOR GASOLINE COMMERCIAL = MOTOR GASOLINE TRANSPORTATION; JET FUEL INDUSTRIAL = JET FUEL TRANSPORTATION, MOTOR GASOLINE INDUSTRIAL = MOTOR GASOLINE TRANSPORTATION, OTHER PETROLEUM PRODUCTS INDUSTRIAL = DISTILLATE INDUSTRIAL UNITED STATES; COAL TRANSPORTATION = COAL INDUSTRIAL, LPG TRANSPORTATION = LPG INDUSTRIAL, LUBRICANTS TRANSPORTATION = LUBRICANTS INDUSTRIAL.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 10. Fuel Expenditures and Electricity Sales by Fuel Type, 1970-1980: Arizona (Million Dollars)

ENERGY EXPENDITURES ALL SECTORS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
COAL											
METALLURGICAL COAL	0	0	0	0	0	0	0	0	0	0	0
OTHER COAL	*	*	*	*	*	3	7	21	11	59	21
(INCLUDING ELECTRICITY GENERATION)	2	2	3	3	8	21	37	97	84	217	227
TOTAL COAL	*	*	*	*	*	3	7	21	11	59	21
(INCLUDING ELECTRICITY GENERATION)	2	2	3	3	8	21	37	97	84	217	227
NATURAL GAS											
TOTAL NATURAL GAS	76	87	94	108	115	136	188	227	232	289	334
(INCLUDING ELECTRICITY GENERATION)	97	115	126	132	137	150	209	260	307	399	458
PETROLEUM PRODUCTS											
ASPHALT AND ROAD OIL	15	16	20	19	45	29	22	25	34	48	50
AVIATION GASOLINE	11	10	10	9	13	12	11	14	15	19	22
DISTILLATE FUEL OIL	31	33	49	73	111	123	137	191	227	276	407
(INCLUDING ELECTRICITY GENERATION)	31	34	55	104	139	163	156	231	242	328	445
JET FUEL	28	30	30	38	65	84	91	113	124	185	291
(INCLUDING ELECTRICITY GENERATION)	28	30	32	39	67	86	91	113	124	185	291
KEROSENE	2	1	1	1	3	4	7	11	11	3	3
LIQUEFIED PETROLEUM GASES	8	10	12	14	20	18	16	19	23	26	34
LUBRICANTS	13	12	13	21	28	27	30	36	40	52	54
MOTOR GASOLINE	317	346	380	447	578	672	735	823	923	1,166	1,534
RESIDUAL FUEL	*	*	1	2	4	2	6	10	8	3	4
(INCLUDING ELECTRICITY GENERATION)	*	3	6	27	76	68	57	106	48	90	28
ALL OTHER PETROLEUM PRODUCTS	1	1	2	3	2	2	4	5	6	8	15
(INCLUDING ELECTRICITY GENERATION)	1	1	2	3	2	2	4	5	6	8	15
TOTAL PETROLEUM	425	460	516	626	870	972	1,059	1,249	1,410	1,787	2,412
(INCLUDING ELECTRICITY GENERATION)	425	463	529	684	973	1,079	1,129	1,384	1,465	1,926	2,475
NUCLEAR POWER, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
WOOD AND WASTE, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
ELECTRICITY SALES	249	280	342	414	526	694	777	938	1,032	1,254	1,446
TOTAL (INCLUDING ELECTRICITY SALES, EXCLUDING ELECTRICITY GENERATION)	750	828	952	1,148	1,511	1,806	2,031	2,434	2,686	3,389	4,213
TOTAL (EXCLUDING ELECTRICITY SALES, INCLUDING ELECTRICITY GENERATION)	524	580	657	819	1,118	1,250	1,375	1,740	1,856	2,542	3,160

* LESS THAN .5.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: THERE ARE NO PURCHASED FUEL EXPENDITURES FOR ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: DATA FOR 1980 DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.

NOTE: THE "ALL OTHER PETROLEUM PRODUCTS" CATEGORY INCLUDES NATURAL GASOLINE, UNFRACTIONATED STREAM, PLANT CONDENSATE, PETRO CHEMICAL FEEDSTOCKS, SPECIAL NAPHTHAS, PETROLEUM COKE (NOT CONSUMED IN ELECTRIC UTILITIES), STILL GAS, WAX, AND MISCELLANEOUS PRODUCTS. THE "(INCLUDING ELECTRICITY GENERATION)" CATEGORY INCLUDES PETROLEUM COKE FUEL EXPENDITURES FOR ELECTRIC UTILITIES.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE; THEREFORE, THE SUM OF ALL STATES WILL NOT EQUAL TOTAL U.S.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 11. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Arizona (Million Dollars)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
TOTAL ENERGY	145.28	164.60	198.24	239.63	289.86	357.09	406.43	495.91	537.96	648.90	745.47
OTHER COAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NATURAL GAS (DRY)	34.35	38.60	41.33	47.94	46.64	56.42	82.57	96.50	88.22	100.78	116.77
TOTAL PETROLEUM	7.78	9.57	11.21	13.53	18.20	16.70	17.08	22.93	22.54	23.39	18.06
DISTILLATE FUEL	.62	.76	1.18	1.89	3.14	3.49	3.71	5.01	5.91	5.18	.08
KEROSENE	1.11	.78	.54	.50	1.96	2.03	4.18	5.92	5.37	2.58	.00
LPG	6.05	8.03	9.50	11.14	13.10	11.18	9.19	12.00	11.27	15.63	17.98
ELECTRICITY	103.14	116.42	145.70	178.16	225.02	283.98	306.77	376.49	427.20	524.72	610.64
COMMERCIAL SECTOR											
TOTAL ENERGY	106.00	123.31	149.62	177.14	218.01	292.61	347.34	425.61	461.39	542.81	626.77
OTHER COAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NATURAL GAS (DRY)	13.85	16.94	18.87	23.53	26.12	36.68	50.81	57.76	62.16	69.45	84.12
TOTAL PETROLEUM	4.17	4.71	5.65	8.03	13.34	13.89	16.53	22.50	24.04	20.78	22.44
DISTILLATE FUEL	1.29	1.58	2.45	3.97	6.75	7.42	7.96	10.76	12.71	11.44	11.13
KEROSENE	.05	.04	.03	.04	.15	.19	.42	.54	.49	.26	.00
LPG	.59	.65	.69	.73	1.25	.96	.87	1.03	1.64	1.49	2.31
MOTOR GASOLINE	2.15	2.27	2.31	2.61	3.69	4.29	4.62	4.99	4.60	6.31	9.00
RESIDUAL FUEL	.08	.18	.16	.69	1.49	1.03	2.66	5.19	4.60	1.29	.00
ELECTRICITY	87.98	101.66	125.11	145.59	178.55	242.04	280.01	345.35	375.19	452.58	520.21
INDUSTRIAL SECTOR											
TOTAL ENERGY	116.40	126.37	147.28	183.94	266.60	308.96	350.11	436.04	481.18	606.10	679.56
METALLURGICAL COAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER COAL	.07	.13	.20	.17	.24	2.59	7.37	20.87	11.17	58.76	20.83
NATURAL GAS (DRY)	24.35	27.30	29.13	31.08	36.19	37.33	48.55	63.37	70.92	93.39	99.10
TOTAL PETROLEUM	34.07	36.86	46.33	62.41	107.78	100.57	104.45	136.06	169.32	177.04	244.97
ASPHALT	10.70	15.70	19.37	18.96	40.43	24.01	19.85	24.51	34.21	48.07	49.50
DISTILLATE FUEL	5.77	7.31	11.26	20.09	28.99	38.66	44.48	63.99	83.75	74.77	122.49
JET FUEL	.00	.00	.00	.00	.00	.56	.22	.19	.00	.00	.00
KEROSENE	.37	.43	.26	.29	1.17	1.62	2.28	4.85	4.79	.65	2.59
LPG	1.49	1.59	1.83	2.20	5.03	5.53	5.28	6.21	9.36	8.47	13.17
LUBRICANTS	4.22	3.67	3.97	9.67	13.20	11.65	12.91	15.74	17.21	22.59	23.50
MOTOR GASOLINE	6.70	6.86	6.97	7.30	10.31	10.67	9.55	9.97	10.49	12.40	15.51
RESIDUAL FUEL	.14	.28	.60	1.10	2.09	1.24	3.28	4.99	3.34	1.73	3.59
ROAD OIL	3.87	.14	.14	.20	4.36	4.84	2.40	.98	.07	.04	.09
OTHER PETROLEUM PRODUCTS	.82	.86	1.92	2.60	2.19	1.80	4.19	4.63	6.09	8.31	14.53
ELECTRICITY	57.91	62.09	71.63	90.29	122.39	168.46	189.75	215.74	229.78	276.91	314.67
TRANSPORTATION SECTOR											
TOTAL ENERGY	382.69	413.64	457.28	547.41	736.30	847.10	927.45	1,076.51	1,205.01	1,591.70	2,160.71
OTHER COAL	*	*	*	*	*	*	*	*	.00	.00	.00
NATURAL GAS (DRY)	3.84	4.31	4.65	5.01	5.98	5.88	6.52	9.15	10.89	25.59	33.85
TOTAL PETROLEUM	378.86	409.33	452.63	542.41	730.32	841.22	920.92	1,067.36	1,194.12	1,566.10	2,126.86
AVIATION GASOLINE	10.93	10.26	9.63	9.20	13.39	11.76	11.16	13.70	14.81	18.88	21.64
DISTILLATE FUEL	23.12	23.83	33.80	46.72	72.05	73.30	81.35	111.69	124.64	184.67	273.19
JET FUEL	28.25	30.21	30.09	37.76	65.35	83.89	90.58	113.21	123.85	185.12	291.03
LPG	.11	.12	.14	.11	.20	.20	.20	.24	.48	.43	.67
LUBRICANTS	8.37	8.04	8.70	11.11	15.16	15.11	16.75	20.65	22.58	29.63	30.82
MOTOR GASOLINE	308.08	336.87	370.27	437.51	564.18	656.96	720.88	807.86	907.76	1,147.37	1,509.50
RESIDUAL FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRICITY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRIC UTILITIES											
TOTAL ENERGY	22.73	31.94	47.14	85.15	132.94	138.35	119.96	243.10	202.68	407.11	392.95
OTHER COAL	1.75	2.12	2.30	3.07	8.20	18.48	29.71	75.70	72.71	158.06	206.31
NATURAL GAS (DRY)	20.92	27.59	31.58	24.18	21.77	13.29	20.31	32.74	74.88	109.91	123.95
TOTAL PETROLEUM	.05	2.23	13.26	57.90	102.98	106.59	69.94	134.66	55.09	139.14	62.69
DISTILLATE FUEL	.02	.06	6.08	31.31	28.44	39.98	18.88	39.06	15.42	52.13	37.87
JET FUEL	.00	.00	2.06	1.60	1.77	1.17	.00	.00	.00	.00	.00
PETROLEUM COKE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RESIDUAL FUEL	.03	2.17	5.12	24.99	72.77	65.43	51.06	95.60	39.68	87.01	24.82
NUCLEAR POWER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WOOD AND WASTE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

* LESS THAN .005.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE TO THE INDUSTRIAL SECTOR BY STATE.

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE EXPENDITURES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL SINCE THERE ARE NO ASSOCIATED FUEL COSTS FOR THESE ENERGY SOURCES.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MEXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: COAL INCLUDES ANTHRACITE, BITUMINOUS, AND LIGNITE EXCEPT IN THE TRANSPORTATION SECTOR WHICH DOES NOT CONSUME ANTHRACITE.

NOTE: RESIDENTIAL, COMMERCIAL, INDUSTRIAL, AND TRANSPORTATION EXPENDITURES EXCLUDE ENERGY EXPENDITURES FOR WOOD AND WOOD WASTE.

NOTE: EXPENDITURES ON NET IMPORTS OF COAL COKE ARE NOT DISTRIBUTED BY STATE; THEREFORE, THE SUM OF THE TOTAL EXPENDITURES BY STATE WILL NOT EQUAL THE TOTAL U.S. EXPENDITURE.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, THE ENERGY, PRICE, AND EXPENDITURES DATA SYSTEM (EPEDS)

Table 12. Average Annual Fuel Prices by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Arizona (Dollars per Million Btu)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
ALL FUELS	2.9356	3.0128	3.3235	3.7127	4.6667	5.3517	5.8309	7.0617	8.3984	9.8879	11.4258
OTHER COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
NATURAL GAS	1.1227	1.1479	1.1747	1.2955	1.4085	1.4582	2.0124	2.4734	2.8832	3.3517	3.8632
TOTAL PETROLEUM	1.8864	2.2909	2.4310	2.9289	3.7991	4.5354	4.5356	5.1978	4.6720	6.1392	8.4522
DISTILLATE FUEL	1.0772	1.1687	1.1970	1.4953	2.5737	2.8382	3.0285	3.1147	3.2407	4.4496	7.0283
KEROSENE	2.8942	2.6879	2.4472	2.5602	3.9616	4.6502	4.5880	5.2232	5.5508	7.4540	.0000
LPG	1.9104	2.4793	2.7867	3.5252	4.2582	5.5459	5.6392	7.1867	5.5375	6.7975	8.4600
ELECTRICITY	6.9859	6.9195	7.3395	7.7736	9.2948	11.6608	12.3186	14.0478	14.9197	16.5291	18.5709
COMMERCIAL SECTOR											
ALL FUELS	2.5164	2.5970	2.8880	2.9791	3.5176	4.7077	5.0512	6.0704	7.0472	8.8469	10.1076
OTHER COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
NATURAL GAS	.5917	.6415	.6828	.7251	.7792	1.1018	1.3562	1.6634	2.0681	2.5294	2.9886
TOTAL PETROLEUM	1.4533	1.4917	1.4369	1.5439	2.4867	2.9831	2.9909	2.9418	3.1678	4.6311	7.6256
DISTILLATE FUEL	1.0094	1.0873	1.1120	1.4010	2.4724	2.6960	2.9015	2.9874	3.1110	4.3823	6.8482
KEROSENE	.7601	.7814	.7913	1.0540	1.6942	2.3556	2.5367	2.6329	2.8344	4.0975	.0000
LPG	1.0626	1.1406	1.1443	1.3017	2.3070	2.7023	3.0144	3.4791	4.5800	3.6670	6.1653
MOTOR GASOLINE	2.8008	2.8690	2.8272	3.0610	4.1197	4.6170	4.8359	5.0915	5.4170	6.9172	9.5468
RESIDUAL FUEL	.4076	.5969	.6101	.7487	1.3500	1.9095	1.9376	2.0209	2.1661	2.5962	.0000
ELECTRICITY	5.5525	5.6717	6.1797	6.6739	7.7337	9.9983	10.8626	12.4495	13.4825	15.3871	16.8242
INDUSTRIAL SECTOR											
ALL FUELS	1.0136	1.0918	1.1184	1.3070	1.8728	2.5844	2.6818	2.9408	3.3334	3.5409	5.3945
METALLURGICAL COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
OTHER COAL	.4843	.5069	.5535	.5341	.8204	.8468	.8547	1.0190	.9709	1.2458	1.2630
NATURAL GAS	.4089	.4370	.4493	.4648	.5446	.7195	.8736	1.2357	1.5244	2.0570	2.5597
TOTAL PETROLEUM	.8750	1.0245	.9772	1.1735	2.0003	2.4431	2.5004	2.6290	2.7766	3.4656	5.6362
ASPHALT	.5762	.8151	.8244	.8439	1.6941	1.8536	1.6429	1.7674	1.9227	2.4508	3.6248
DISTILLATE FUEL	.7148	.7348	.7440	.9911	1.5931	2.1854	2.3760	2.4773	2.6129	3.3204	5.9170
JET FUEL	.0000	.0000	.0000	.0000	.0000	2.2289	2.4481	2.8428	.0000	.0000	.0000
KEROSENE	.7601	.7814	.7913	1.0540	1.6942	2.3556	2.5367	2.6329	2.8344	4.0975	6.2670
LPG	1.0626	1.1406	1.1443	1.3017	2.3070	2.7023	3.0144	3.4791	4.5800	3.6670	6.1653
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.8008	2.8690	2.8272	3.0610	4.1197	4.6170	4.8359	5.0915	5.4170	6.9172	9.5468
RESIDUAL FUEL	.3986	.5837	.5966	.7321	1.3202	1.8673	1.9166	1.9612	2.1457	2.3321	3.7109
ROAD OIL	.6615	.7894	.8538	.9775	1.9476	1.9260	1.7125	1.8257	1.9431	2.4371	4.1150
OTHER PETROLEUM PRODUCTS	.7282	.7576	.7551	.9355	2.0341	2.2361	2.3887	2.6898	2.8327	3.9074	6.2121
ELECTRICITY	3.5720	3.6416	3.7535	4.4310	5.6329	7.1891	7.7200	8.7152	9.0661	10.0628	11.5238
TRANSPORTATION SECTOR											
ALL FUELS	1.9794	2.0361	2.0446	2.2637	3.1873	3.7126	3.9569	4.2681	4.5489	5.8244	8.1943
OTHER COAL	.4843	.5069	.5535	.5341	.8204	.8468	.8547	1.0190	.0000	.0000	.0000
NATURAL GAS	.1554	.1601	.1747	.2047	.2629	.3374	.4165	.6022	.7063	1.2340	1.5490
TOTAL PETROLEUM	2.2465	2.3228	2.2970	2.4954	3.5069	3.9919	4.2104	4.5031	4.7863	6.2014	8.7948
AVIATION GASOLINE	3.4553	3.5236	3.4986	3.7615	5.2408	5.6360	5.8299	6.4522	7.0471	9.1521	12.3138
DISTILLATE FUEL	1.2443	1.2945	1.3123	1.4622	2.5144	2.7120	2.8167	3.2622	3.3698	4.7494	7.2712
JET FUEL	.7978	.8385	.8356	.9911	1.7089	2.2289	2.4481	2.8428	3.0613	4.2809	6.9007
LPG	1.0626	1.1406	1.1443	1.3017	2.3070	2.7023	3.0144	3.4791	4.5800	3.6670	6.1653
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.8008	2.8690	2.8272	3.0610	4.1197	4.6170	4.8359	5.0915	5.4170	6.9172	9.5468
RESIDUAL FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
ELECTRICITY	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
ELECTRIC UTILITIES											
ALL FUELS	.3279	.3846	.4713	.6867	.9192	.8783	.6380	.9736	.8794	1.3477	1.3334
OTHER COAL	.2060	.2440	.3180	.3163	.1703	.2057	.2240	.4650	.4820	.7592	.8898
NATURAL GAS	.3446	.3914	.3957	.4165	.5292	.7319	.8157	1.0789	1.3317	2.0738	2.4120
TOTAL PETROLEUM	.6529	.5784	1.0235	1.0292	1.8601	2.1515	2.2950	2.3811	2.3560	3.4035	5.4811
DISTILLATE FUEL	.7359	.6892	1.0471	1.0161	2.0810	2.2576	2.4406	2.6662	2.7511	4.9580	6.4816
JET FUEL	.0000	.0000	1.6356	1.7681	2.4018	2.5886	.0000	.0000	.0000	.0000	.0000
PETROLEUM COKE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
RESIDUAL FUEL	.6144	.5760	.8693	1.0184	1.7767	2.0853	2.2455	2.2814	2.2315	2.8653	4.4365
NUCLEAR POWER	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
WOOD AND WASTE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE PRICES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: THE FOLLOWING FUEL SECTOR PRICES HAVE BEEN SUBSTITUTED (SEE THE DOCUMENTATION FOR THE DETAILS), COAL COMMERCIAL = COAL INDUSTRIAL, KEROSENE COMMERCIAL = KEROSENE INDUSTRIAL, LPG COMMERCIAL = LPG INDUSTRIAL, MOTOR GASOLINE COMMERCIAL = MOTOR GASOLINE TRANSPORTATION; JET FUEL INDUSTRIAL = JET FUEL TRANSPORTATION, MOTOR GASOLINE INDUSTRIAL = MOTOR GASOLINE TRANSPORTATION, OTHER PETROLEUM PRODUCTS INDUSTRIAL = DISTILLATE INDUSTRIAL UNITED STATES; COAL TRANSPORTATION = COAL INDUSTRIAL, LPG TRANSPORTATION = LPG INDUSTRIAL, LUBRICANTS TRANSPORTATION = LUBRICANTS INDUSTRIAL.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 13. Fuel Expenditures and Electricity Sales by Fuel Type, 1970-1980: Arkansas (Million Dollars)

ENERGY EXPENDITURES ALL SECTORS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
COAL											
METALLURGICAL COAL	0	0	0	0	0	0	0	0	0	0	0
OTHER COAL	0	*	*	1	2	1	5	7	11	12	14
(INCLUDING ELECTRICITY GENERATION)	0	*	*	1	2	1	5	7	31	40	55
TOTAL COAL	0	*	*	1	2	1	5	7	11	12	14
(INCLUDING ELECTRICITY GENERATION)	0	*	*	1	2	1	5	7	31	40	55
NATURAL GAS											
TOTAL NATURAL GAS	117	108	115	141	155	181	217	313	300	289	495
(INCLUDING ELECTRICITY GENERATION)	145	133	138	159	171	201	230	320	308	343	626
PETROLEUM PRODUCTS											
ASPHALT AND ROAD OIL	9	11	12	14	23	27	30	33	39	55	66
AVIATION GASOLINE	7	6	6	6	9	8	8	10	10	13	20
DISTILLATE FUEL OIL	31	33	47	71	126	128	143	190	201	346	383
(INCLUDING ELECTRICITY GENERATION)	31	33	54	73	130	130	147	207	220	353	392
JET FUEL	9	10	10	11	19	24	25	31	35	51	85
(INCLUDING ELECTRICITY GENERATION)	9	10	10	11	19	24	25	31	35	51	85
KEROSENE	4	3	3	7	9	9	9	16	21	12	21
LIQUEFIED PETROLEUM GASES	66	70	79	105	109	110	135	135	90	153	189
LUBRICANTS	19	18	20	22	29	35	39	42	46	60	62
MOTOR GASOLINE	324	355	375	419	580	666	737	806	853	893	1,341
RESIDUAL FUEL	1	1	4	12	37	50	51	47	48	58	41
(INCLUDING ELECTRICITY GENERATION)	4	11	13	48	104	98	150	213	201	174	100
ALL OTHER PETROLEUM PRODUCTS	9	9	7	11	28	33	71	87	92	132	232
(INCLUDING ELECTRICITY GENERATION)	9	9	7	11	28	33	71	87	92	132	232
TOTAL PETROLEUM	480	516	563	677	969	1,092	1,248	1,397	1,434	1,773	2,440
(INCLUDING ELECTRICITY GENERATION)	483	526	579	716	1,040	1,142	1,351	1,579	1,606	1,896	2,507
NUCLEAR POWER, ELECTRICITY GENERATION	0	0	0	0	1	12	10	17	20	15	39
WOOD AND WASTE, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
ELECTRICITY SALES	218	240	278	315	393	481	628	776	839	887	1,079
TOTAL (INCLUDING ELECTRICITY SALES, EXCLUDING ELECTRICITY GENERATION)	815	865	956	1,133	1,519	1,755	2,097	2,494	2,583	2,961	4,028
TOTAL (EXCLUDING ELECTRICITY SALES, INCLUDING ELECTRICITY GENERATION)	628	660	717	875	1,214	1,356	1,596	1,923	1,965	2,293	3,227

* LESS THAN .5.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: THERE ARE NO PURCHASED FUEL EXPENDITURES FOR ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: DATA FOR 1980 DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.

NOTE: THE "ALL OTHER PETROLEUM PRODUCTS" CATEGORY INCLUDES NATURAL GASOLINE, UNFRACTIONATED STREAM, PLANT CONDENSATE, PETRO CHEMICAL FEEDSTOCKS, SPECIAL NAPHTHAS, PETROLEUM COKE (NOT CONSUMED IN ELECTRIC UTILITIES), STILL GAS, WAX, AND MISCELLANEOUS PRODUCTS. THE "(INCLUDING ELECTRICITY GENERATION)" CATEGORY INCLUDES PETROLEUM COKE FUEL EXPENDITURES FOR ELECTRIC UTILITIES.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE; THEREFORE, THE SUM OF ALL STATES WILL NOT EQUAL TOTAL U.S.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 14. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Arkansas (Million Dollars)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
TOTAL ENERGY	197.59	203.01	230.25	277.14	297.19	374.14	438.88	551.29	550.35	585.65	743.63
OTHER COAL	.00	.00	.00	.00	.00	.00	.00	.05	.08	.00	.13
NATURAL GAS (DRY)	46.39	39.47	40.09	43.52	47.93	55.42	61.89	96.94	95.37	78.35	118.52
TOTAL PETROLEUM	50.76	51.71	57.73	86.40	73.79	71.61	93.74	96.18	59.65	117.61	130.08
DISTILLATE FUEL	.36	.38	.85	1.15	2.71	2.18	2.77	3.72	3.75	10.82	5.72
KEROSENE	1.16	.88	.67	2.26	2.52	2.04	1.97	3.46	4.71	2.14	.00
LPG	49.24	50.45	56.21	82.99	68.55	67.39	89.00	89.00	51.19	104.65	124.36
ELECTRICITY	100.44	111.83	132.43	147.22	175.48	247.11	283.26	358.12	395.25	389.69	494.89
COMMERCIAL SECTOR											
TOTAL ENERGY	87.11	89.34	99.48	112.52	140.09	183.90	216.20	268.39	283.91	290.93	356.10
OTHER COAL	.00	.00	.00	.00	.00	.00	.00	.04	.08	.00	.16
NATURAL GAS (DRY)	21.19	17.36	18.87	21.29	24.06	30.33	35.37	53.76	57.07	45.58	71.46
TOTAL PETROLEUM	8.74	8.85	10.23	12.30	24.55	26.35	28.96	30.76	29.27	39.13	41.28
DISTILLATE FUEL	.19	.21	.46	.62	1.48	1.20	1.53	2.07	2.07	5.98	4.07
KEROSENE	.39	.31	.23	.89	1.17	1.05	.99	1.88	2.51	1.11	4.77
LPG	5.43	6.16	6.83	6.50	10.79	9.03	10.32	11.33	8.20	10.28	13.85
MOTOR GASOLINE	2.60	2.02	1.89	2.04	2.74	3.46	3.70	3.87	4.95	6.46	8.23
RESIDUAL FUEL	.12	.15	.84	2.25	8.37	11.61	12.42	11.61	11.54	15.30	10.36
ELECTRICITY	57.19	63.13	70.37	78.93	91.48	127.22	151.87	183.82	197.48	206.22	243.20
INDUSTRIAL SECTOR											
TOTAL ENERGY	159.24	168.19	190.81	243.28	367.28	388.35	549.20	676.37	689.25	880.36	1,171.61
METALLURGICAL COAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER COAL	.00	.03	.02	.88	2.15	.79	4.83	6.80	10.37	11.81	14.19
NATURAL GAS (DRY)	46.63	48.65	52.91	72.41	78.85	89.49	114.82	156.18	137.29	151.10	283.87
TOTAL PETROLEUM	52.29	54.25	63.25	81.66	160.68	191.62	237.40	279.30	295.96	426.42	533.03
ASPHALT	9.33	11.38	12.31	14.10	22.47	26.40	28.90	32.40	38.98	55.00	65.90
DISTILLATE FUEL	7.69	7.79	11.71	17.05	33.36	33.78	37.44	65.33	69.98	129.76	115.84
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KEROSENE	2.54	1.96	1.86	4.15	5.76	6.37	5.85	11.05	14.02	9.15	15.87
LPG	10.31	11.41	14.07	13.55	26.50	30.98	32.20	31.30	27.70	34.71	46.76
LUBRICANTS	8.46	8.24	8.91	9.71	13.25	17.44	19.34	15.95	17.45	22.89	23.82
MOTOR GASOLINE	4.19	3.89	3.65	3.01	2.68	4.07	2.85	.31	.00	.26	2.60
RESIDUAL FUEL	.53	.71	3.45	9.25	28.56	38.31	38.63	35.45	36.15	42.30	30.71
ROAD OIL	.12	.08	.08	.02	.05	.99	1.13	.95	.00	.00	.00
OTHER PETROLEUM PRODUCTS	9.12	8.80	7.22	10.82	28.06	33.26	71.05	86.55	91.68	132.34	231.55
ELECTRICITY	60.32	65.26	74.64	88.33	125.60	106.45	192.16	234.08	245.62	291.03	340.53
TRANSPORTATION SECTOR											
TOTAL ENERGY	370.58	404.14	435.03	500.39	714.01	808.28	893.06	997.52	1,059.18	1,203.69	1,757.10
OTHER COAL	.00	*	*	*	*	*	*	*	.00	.00	.00
NATURAL GAS (DRY)	2.63	2.64	3.22	4.03	4.17	5.36	5.04	6.37	9.83	13.73	20.84
TOTAL PETROLEUM	367.89	401.41	431.72	496.24	709.62	802.70	887.70	990.87	1,049.17	1,189.62	1,735.93
AVIATION GASOLINE	6.55	6.25	6.30	6.41	8.90	8.24	8.20	9.56	10.48	13.09	19.96
DISTILLATE FUEL	22.54	24.32	33.67	51.69	88.06	91.26	100.98	119.12	125.00	199.21	257.70
JET FUEL	9.46	10.34	9.82	10.78	18.73	24.03	25.17	31.21	35.28	50.66	85.15
LPG	1.43	1.58	1.94	1.73	2.89	2.65	3.08	3.18	2.52	3.16	4.25
LUBRICANTS	10.97	9.97	10.79	11.87	16.20	17.49	19.39	25.72	28.12	36.90	38.39
MOTOR GASOLINE	316.93	348.93	369.20	413.74	574.74	658.94	730.88	802.04	847.68	886.60	1,330.47
RESIDUAL FUEL	.01	.00	.00	.03	.10	.09	.00	.04	.08	.00	.00
ELECTRICITY	.06	.09	.09	.11	.23	.22	.33	.29	.18	.34	.34
ELECTRIC UTILITIES											
TOTAL ENERGY	31.81	35.16	39.15	56.72	88.42	82.38	125.84	205.63	220.69	219.76	277.29
OTHER COAL	.00	.00	.00	.00	.00	.00	.00	.00	20.76	27.73	40.30
NATURAL GAS (DRY)	28.19	25.17	23.23	17.68	16.27	19.92	12.90	6.91	8.04	53.75	131.18
TOTAL PETROLEUM	3.62	9.99	15.91	39.04	71.40	50.04	103.06	182.14	172.24	122.94	67.11
DISTILLATE FUEL	.07	.13	7.56	2.20	4.10	1.55	4.33	16.64	19.45	6.97	8.47
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PETROLEUM COKE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RESIDUAL FUEL	3.54	9.86	8.35	36.85	67.30	48.48	98.73	165.50	152.79	115.97	58.64
NUCLEAR POWER	.00	.00	.00	.00	.74	12.42	9.89	16.58	19.64	15.34	38.69
WOOD AND WASTE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

* LESS THAN .005.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE TO THE INDUSTRIAL SECTOR BY STATE.

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE EXPENDITURES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL SINCE THERE ARE NO ASSOCIATED FUEL COSTS FOR THESE ENERGY SOURCES.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MEXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: COAL INCLUDES ANTHRACITE, BITUMINOUS, AND LIGNITE EXCEPT IN THE TRANSPORTATION SECTOR WHICH DOES NOT CONSUME ANTHRACITE.

NOTE: RESIDENTIAL, COMMERCIAL, INDUSTRIAL, AND TRANSPORTATION EXPENDITURES EXCLUDE ENERGY EXPENDITURES FOR WOOD AND WOOD WASTE.

NOTE: EXPENDITURES ON NET IMPORTS OF COAL COKE ARE NOT DISTRIBUTED BY STATE; THEREFORE, THE SUM OF THE TOTAL EXPENDITURES BY STATE WILL NOT EQUAL THE TOTAL U.S. EXPENDITURE.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, THE ENERGY, PRICE, AND EXPENDITURES DATA SYSTEM (EPEDS)

Table 15. Average Annual Fuel Prices by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Arkansas (Dollars per Million Btu)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
ALL FUELS	1.9304	2.1668	2.3700	2.8143	3.2897	3.8658	4.4446	5.4153	5.6912	5.9057	7.5905
OTHER COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	2.2619	2.4285	.0000	2.4471
NATURAL GAS	.7525	.7854	.8237	.8729	1.0611	1.1194	1.2307	1.9393	1.9582	1.5427	2.4713
TOTAL PETROLEUM	1.9548	1.8956	1.9391	3.1235	3.0219	3.4394	4.2549	4.4295	3.6917	6.4834	8.6375
DISTILLATE FUEL	.8823	.9550	.9671	1.2558	2.2503	2.3824	2.5408	2.8323	2.9494	4.5433	6.5006
KEROSENE	1.3997	1.4131	1.4779	1.6787	2.7485	2.7997	2.8972	3.4284	3.6001	5.1698	.0000
LPG	1.9910	1.9215	1.9764	3.2671	3.0749	3.5142	4.3928	4.5898	3.7700	6.8200	8.7700
ELECTRICITY	6.8121	6.9189	7.0783	7.0255	8.4554	9.3434	10.7175	11.9055	12.4266	12.8877	14.1826
COMMERCIAL SECTOR											
ALL FUELS	1.5516	1.8573	1.9115	2.0192	2.5622	3.0213	3.4512	4.2774	4.4740	4.6738	6.2363
OTHER COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	1.1262	1.3099	.0000	1.5568
NATURAL GAS	.5246	.5461	.5662	.6177	.7568	.8933	1.0206	1.5558	1.6230	1.3389	2.2740
TOTAL PETROLEUM	1.3835	1.4250	1.3107	1.2921	2.1869	2.1830	2.2664	2.6166	2.6439	3.4768	5.5006
DISTILLATE FUEL	.8415	.9055	.9143	1.1930	2.1543	2.3096	2.4540	2.7672	2.8592	4.4044	6.3019
KEROSENE	.7676	.8106	.8106	1.0745	2.0755	2.3384	2.3586	3.0220	3.1081	4.3624	6.3753
LPG	1.2435	1.3305	1.3603	1.4507	2.7424	2.6674	2.8857	3.3122	3.4240	3.7960	5.5333
MOTOR GASOLINE	2.7442	2.8437	2.7723	2.9611	4.0897	4.5950	4.8250	5.1541	5.3018	6.8482	9.6392
RESIDUAL FUEL	.4558	.5920	.6294	.7495	1.5582	1.6672	1.6804	1.8685	1.8578	2.5539	3.7625
ELECTRICITY	6.0565	6.2489	6.4555	6.7227	7.8444	8.5715	9.9849	11.2128	11.5104	12.1676	13.4594
INDUSTRIAL SECTOR											
ALL FUELS	.6570	.7112	.7886	.8475	1.3312	1.5975	1.9680	2.4211	2.5259	2.9722	4.2843
METALLURGICAL COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
OTHER COAL	.0000	.4613	.4068	.3439	.7116	.8469	1.2196	1.1262	1.3099	1.3639	1.5568
NATURAL GAS	.2790	.3026	.3411	.3929	.4752	.6629	.8039	1.1732	1.1270	1.1886	2.2022
TOTAL PETROLEUM	.9749	1.0168	1.0029	1.0834	1.9665	2.2098	2.2865	2.5783	2.6823	3.4562	5.4334
ASPHALT	.6760	.7248	.7744	.8183	1.3899	1.8114	1.8434	2.0085	2.2128	2.5836	3.5847
DISTILLATE FUEL	.6730	.7107	.7107	.9421	1.8197	2.0927	2.0498	2.5923	2.6541	3.5381	5.6368
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
KEROSENE	.7676	.8106	.8106	1.0745	2.0755	2.3384	2.3586	3.0220	3.1081	4.3624	6.3753
LPG	1.2435	1.3305	1.3603	1.4507	2.7424	2.6674	2.8857	3.3122	3.4240	3.7960	5.5333
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.7442	2.8437	2.7723	2.9611	4.0897	4.5950	4.8250	5.1541	.0000	6.8482	9.6392
RESIDUAL FUEL	.4457	.5790	.6155	.7329	1.5238	1.6303	1.6622	1.8133	1.8403	2.2942	3.3894
ROAD OIL	.7009	.7642	.8154	.9520	1.6516	1.8756	1.9155	2.0114	.0000	.0000	.0000
OTHER PETROLEUM PRODUCTS	.7282	.7576	.7551	.9355	2.0341	2.2361	2.3887	2.6898	2.8327	3.9074	6.2121
ELECTRICITY	2.7915	2.9219	3.1478	3.5616	4.9767	5.2048	6.7541	7.3443	7.4879	7.8585	9.1177
TRANSPORTATION SECTOR											
ALL FUELS	2.2387	2.3535	2.2794	2.4128	3.4370	3.8998	4.1732	4.5346	4.6601	5.9891	8.5578
OTHER COAL	.0000	.4613	.4068	.3439	.7116	.8469	1.2196	1.1262	.0000	.0000	.0000
NATURAL GAS	.1896	.2186	.2380	.2563	.3003	.4303	.5230	.6915	.8591	1.0982	1.7768
TOTAL PETROLEUM	2.4256	2.5149	2.4347	2.5896	3.6612	4.1212	4.3445	4.7024	4.8617	6.3131	8.9682
AVIATION GASOLINE	3.4553	3.5236	3.4986	3.7615	5.2408	5.6360	5.8299	6.4522	7.0471	9.5681	13.6450
DISTILLATE FUEL	1.1447	1.2037	1.2186	1.4218	2.3268	2.5050	2.6682	3.0630	3.1308	4.6841	6.6348
JET FUEL	.8163	.8578	.8548	1.0141	1.7481	2.2793	2.4083	2.8044	3.2368	4.4827	7.1886
LPG	1.2435	1.3305	1.3603	1.4507	2.7424	2.6674	2.8857	3.3122	3.4240	3.7960	5.5333
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.7442	2.8437	2.7723	2.9611	4.0897	4.5950	4.8250	5.1541	5.3018	6.8482	9.6392
RESIDUAL FUEL	.3432	.0000	.0000	.5862	1.2554	1.3201	.0000	1.6288	1.4724	.0000	.0000
ELECTRICITY	3.5170	3.4682	3.6880	4.4864	6.3196	7.2200	7.8949	5.5377	4.1178	8.1880	11.3423
ELECTRIC UTILITIES											
ALL FUELS	.2664	.3318	.4047	.5454	1.0098	.7283	1.1211	1.3625	1.2839	1.5090	1.4303
OTHER COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	1.0053	1.1368	1.3359
NATURAL GAS	.2545	.2824	.3127	.3522	.4016	.6103	.7892	.9724	1.1123	1.7183	2.1553
TOTAL PETROLEUM	.4203	.5932	.7094	.7257	1.6598	1.8678	1.9338	2.0451	1.9821	2.5221	3.4442
DISTILLATE FUEL	.5268	.7488	.8089	1.0652	2.0306	2.2210	2.4708	2.6216	2.5869	2.9328	4.3427
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
PETROLEUM COKE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
RESIDUAL FUEL	.4186	.5916	.6383	.7122	1.6415	1.8583	1.9155	2.0009	1.9248	2.5011	3.3442
NUCLEAR POWER	.0000	.0000	.0000	.0000	.1847	.2313	.2320	.3028	.3439	.3721	.4642
WOOD AND WASTE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE PRICES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: THE FOLLOWING FUEL SECTOR PRICES HAVE BEEN SUBSTITUTED (SEE THE DOCUMENTATION FOR THE DETAILS), COAL COMMERCIAL = COAL INDUSTRIAL, KEROSENE COMMERCIAL = KEROSENE INDUSTRIAL, LPG COMMERCIAL = LPG INDUSTRIAL, MOTOR GASOLINE COMMERCIAL = MOTOR GASOLINE TRANSPORTATION; JET FUEL INDUSTRIAL = JET FUEL TRANSPORTATION, MOTOR GASOLINE INDUSTRIAL = MOTOR GASOLINE TRANSPORTATION, OTHER PETROLEUM PRODUCTS INDUSTRIAL = DISTILLATE INDUSTRIAL UNITED STATES; COAL TRANSPORTATION = COAL INDUSTRIAL, LPG TRANSPORTATION = LPG INDUSTRIAL, LUBRICANTS TRANSPORTATION = LUBRICANTS INDUSTRIAL.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 16. Fuel Expenditures and Electricity Sales by Fuel Type, 1970-1980: California (Million Dollars)

ENERGY EXPENDITURES ALL SECTORS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
COAL											
METALLURGICAL COAL	27	25	26	42	77	73	81	64	67	74	89
OTHER COAL	1	*	*	*	1	6	17	40	32	38	53
(INCLUDING ELECTRICITY GENERATION)	1	*	*	*	1	6	17	40	32	38	53
TOTAL COAL	28	25	26	42	78	79	98	105	100	112	141
(INCLUDING ELECTRICITY GENERATION)	28	25	26	42	78	79	98	105	100	112	141
NATURAL GAS											
TOTAL NATURAL GAS	950	1,102	1,167	1,252	1,464	1,933	2,212	2,569	2,469	3,390	4,570
(INCLUDING ELECTRICITY GENERATION)	1,164	1,301	1,403	1,448	1,640	2,227	2,681	3,343	3,151	4,515	6,455
PETROLEUM PRODUCTS											
ASPHALT AND ROAD OIL	39	52	52	60	116	141	150	169	185	387	462
AVIATION GASOLINE	52	49	47	48	65	56	54	63	71	88	47
DISTILLATE FUEL OIL	289	380	345	464	656	704	801	908	1,038	1,677	2,365
(INCLUDING ELECTRICITY GENERATION)	290	381	346	468	661	730	808	935	1,063	1,736	2,395
JET FUEL	258	285	287	338	558	753	837	953	1,080	1,476	2,330
(INCLUDING ELECTRICITY GENERATION)	258	285	290	340	560	754	842	981	1,100	1,494	2,360
KEROSENE	7	8	9	9	30	32	35	52	62	97	84
LIQUEFIED PETROLEUM GASES	91	102	109	137	200	200	211	224	272	336	415
LUBRICANTS	145	147	159	178	243	206	228	292	319	419	436
MOTOR GASOLINE	3,149	3,270	3,407	3,900	5,529	6,138	6,693	7,462	7,925	10,522	13,539
RESIDUAL FUEL	122	147	128	155	330	315	385	497	587	798	1,648
(INCLUDING ELECTRICITY GENERATION)	165	285	362	652	1,222	1,572	1,754	2,474	1,842	2,777	4,048
ALL OTHER PETROLEUM PRODUCTS	202	186	211	267	546	565	658	783	841	1,174	1,916
(INCLUDING ELECTRICITY GENERATION)	202	186	211	267	546	565	658	783	841	1,174	1,916
TOTAL PETROLEUM	4,355	4,626	4,754	5,555	8,273	9,109	10,051	11,405	12,379	16,974	23,244
(INCLUDING ELECTRICITY GENERATION)	4,398	4,765	4,990	6,059	9,172	10,393	11,432	13,436	13,680	19,030	25,704
NUCLEAR POWER, ELECTRICITY GENERATION	6	7	6	5	5	19	15	28	24	35	23
WOOD AND WASTE, ELECTRICITY GENERATION	*	*	*	*	*	*	*	*	*	*	*
ELECTRICITY SALES	1,910	2,132	2,450	2,801	3,532	4,385	5,014	6,121	7,156	7,168	9,912
TOTAL (INCLUDING ELECTRICITY SALES, EXCLUDING ELECTRICITY GENERATION)	7,244	7,886	8,398	9,650	13,347	15,506	17,375	20,199	22,104	27,644	37,867
TOTAL (EXCLUDING ELECTRICITY SALES, INCLUDING ELECTRICITY GENERATION)	5,596	6,099	6,426	7,555	10,895	12,719	14,226	16,912	16,954	23,693	32,324

* LESS THAN .5.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: THERE ARE NO PURCHASED FUEL EXPENDITURES FOR ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: DATA FOR 1980 DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.

NOTE: THE "ALL OTHER PETROLEUM PRODUCTS" CATEGORY INCLUDES NATURAL GASOLINE, UNFRACTIONATED STREAM, PLANT CONDENSATE, PETRO CHEMICAL FEEDSTOCKS, SPECIAL NAPHTHAS, PETROLEUM COKE (NOT CONSUMED IN ELECTRIC UTILITIES), STILL GAS, WAX, AND MISCELLANEOUS PRODUCTS. THE "(INCLUDING ELECTRICITY GENERATION)" CATEGORY INCLUDES PETROLEUM COKE FUEL EXPENDITURES FOR ELECTRIC UTILITIES.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE; THEREFORE, THE SUM OF ALL STATES WILL NOT EQUAL TOTAL U.S.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 17. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: California (Million Dollars)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
TOTAL ENERGY	1,376.82	1,596.47	1,742.51	1,907.32	2,290.37	2,628.73	2,838.26	3,031.46	3,336.58	3,896.90	5,118.62
OTHER COAL	.34	.03	.03	.00	.02	.00	.00	.00	.09	.08	.11
NATURAL GAS (DRY)	528.37	633.40	670.01	692.47	776.15	959.03	1,032.08	990.16	1,029.07	1,414.41	1,827.26
TOTAL PETROLEUM	51.35	59.11	55.60	69.39	80.25	58.66	60.38	69.91	97.18	139.24	125.36
DISTILLATE FUEL	3.14	4.01	4.42	6.47	7.91	7.83	11.19	13.61	13.90	27.82	3.66
KEROSENE	2.42	2.74	3.48	2.67	6.62	6.08	5.97	9.99	11.64	3.86	1.33
LPG	45.80	52.35	47.69	60.25	65.72	44.74	43.23	46.31	71.64	107.56	120.38
ELECTRICITY	796.76	903.93	1,016.87	1,145.47	1,433.96	1,611.04	1,745.80	1,971.39	2,210.24	2,343.16	3,165.89
COMMERCIAL SECTOR											
TOTAL ENERGY	900.83	1,017.90	1,151.97	1,319.01	1,618.99	2,126.00	2,441.28	3,104.56	3,695.33	3,692.11	5,371.71
OTHER COAL	.59	.03	.03	.00	.02	.00	.00	.00	.07	.09	.10
NATURAL GAS (DRY)	148.44	176.31	183.32	191.80	220.27	298.72	337.80	456.85	479.49	685.01	1,012.97
TOTAL PETROLEUM	57.88	69.36	60.59	74.54	142.55	113.34	122.78	160.52	182.27	216.56	406.51
DISTILLATE FUEL	3.86	4.90	5.40	7.96	9.97	9.79	14.02	17.03	17.53	35.98	121.77
KEROSENE	2.76	3.01	3.51	3.06	8.59	9.18	10.05	15.93	18.49	6.73	8.80
LPG	4.99	5.57	4.89	4.92	6.97	5.22	5.27	5.79	10.35	11.79	15.23
MOTOR GASOLINE	21.80	22.04	21.89	25.34	37.66	41.23	54.10	71.58	87.54	97.62	95.82
RESIDUAL FUEL	24.47	33.83	24.90	33.25	79.35	47.92	39.34	50.19	48.36	64.44	164.90
ELECTRICITY	693.93	772.20	908.02	1,052.67	1,256.14	1,713.94	1,980.71	2,487.19	3,033.51	2,790.45	3,952.13
INDUSTRIAL SECTOR											
TOTAL ENERGY	1,155.49	1,216.20	1,357.17	1,649.89	2,545.00	2,999.17	3,568.47	4,463.96	4,691.60	6,041.47	8,448.16
METALLURGICAL COAL	27.19	25.09	26.07	42.28	77.26	72.63	81.09	64.42	67.29	73.98	88.61
OTHER COAL	.09	.20	.13	.17	.87	6.18	16.80	40.10	32.20	38.00	52.48
NATURAL GAS (DRY)	268.90	286.20	307.64	360.26	459.31	666.45	831.36	1,111.35	948.85	1,260.00	1,697.94
TOTAL PETROLEUM	440.48	449.07	498.14	644.65	1,167.31	1,196.67	1,355.38	1,591.58	1,736.97	2,640.26	3,823.58
ASPHALT	33.49	45.72	46.74	53.06	106.28	132.25	140.45	158.97	179.52	376.06	432.17
DISTILLATE FUEL	41.11	49.91	59.31	92.50	118.16	132.07	156.23	197.18	229.93	454.81	542.94
JET FUEL	.00	.00	.00	.00	.00	.66	.28	.22	.00	.00	.00
KEROSENE	1.78	1.81	1.80	2.83	14.64	16.47	18.52	26.22	31.41	85.95	74.37
LPG	39.34	43.48	55.73	70.62	125.46	148.08	160.41	170.10	187.73	213.86	276.27
LUBRICANTS	55.23	57.18	61.84	85.02	116.04	70.67	78.33	125.17	136.88	179.61	186.86
MOTOR GASOLINE	28.56	23.00	20.87	23.85	30.56	34.01	39.63	31.77	30.71	43.67	90.68
RESIDUAL FUEL	33.61	35.64	35.77	42.83	101.07	88.95	94.38	88.48	94.09	100.87	273.77
ROAD OIL	5.56	6.17	5.53	7.40	9.57	8.72	9.15	10.17	5.27	11.09	30.06
OTHER PETROLEUM PRODUCTS	201.80	186.17	210.56	266.54	545.51	564.79	657.99	783.29	841.44	1,174.33	1,916.46
ELECTRICITY	418.82	455.63	525.19	602.53	840.25	1,057.24	1,283.84	1,656.51	1,906.29	2,029.23	2,785.55
TRANSPORTATION SECTOR											
TOTAL ENERGY	3,810.49	4,054.95	4,146.55	4,773.97	6,892.73	7,752.44	8,526.81	9,598.73	10,380.66	14,013.45	18,928.56
OTHER COAL	.03	.03	.03	.02	.03	.01	.01	.01	.00	.00	.00
NATURAL GAS (DRY)	4.72	6.33	6.42	7.53	8.29	9.24	10.57	10.48	12.02	30.26	32.28
TOTAL PETROLEUM	3,805.37	4,048.22	4,139.72	4,766.06	6,882.98	7,740.27	8,512.48	9,582.49	10,363.06	13,978.15	18,888.31
AVIATION GASOLINE	52.46	48.68	46.84	48.01	65.00	56.31	53.95	63.01	70.81	88.35	46.89
DISTILLATE FUEL	241.23	320.83	276.05	356.99	520.30	554.13	619.54	680.41	776.31	1,158.56	1,696.61
JET FUEL	257.93	285.25	287.30	337.61	558.05	752.45	836.63	952.72	1,079.69	1,475.52	2,330.17
LPG	.74	.82	1.03	1.01	1.65	1.68	1.88	2.28	2.37	2.70	3.49
LUBRICANTS	89.85	89.96	97.30	92.92	126.81	135.29	149.97	166.89	182.51	239.49	249.14
MOTOR GASOLINE	3,098.92	3,225.07	3,363.75	3,851.03	5,461.16	6,062.77	6,598.95	7,358.47	7,806.46	10,380.46	13,352.82
RESIDUAL FUEL	64.25	77.60	67.45	78.48	150.02	177.64	251.56	358.71	444.90	633.07	1,209.17
ELECTRICITY	.37	.37	.39	.35	1.43	2.93	3.76	5.76	5.58	5.04	7.96
ELECTRIC UTILITIES											
TOTAL ENERGY	262.34	345.32	478.34	705.56	1,080.08	1,598.02	1,865.01	2,834.43	2,005.77	3,216.69	4,368.01
OTHER COAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NATURAL GAS (DRY)	213.72	198.89	236.11	195.98	175.92	293.93	469.26	774.28	681.21	1,125.43	1,884.81
TOTAL PETROLEUM	42.43	138.88	236.39	504.23	899.01	1,284.56	1,380.58	2,031.30	1,300.06	2,055.98	2,459.99
DISTILLATE FUEL	.24	.96	.48	4.35	5.09	25.89	6.88	26.56	25.30	59.09	30.25
JET FUEL	.00	.00	2.51	1.95	2.17	1.32	4.93	28.40	20.54	18.22	29.78
PETROLEUM COKE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RESIDUAL FUEL	42.18	137.92	233.40	497.93	891.75	1,257.35	1,368.77	1,976.34	1,254.21	1,978.67	2,399.96
NUCLEAR POWER	5.79	7.20	5.56	5.10	4.96	19.30	14.95	28.48	24.28	35.13	22.83
WOOD AND WASTE	.41	.35	.28	.24	.21	.22	.22	.36	.22	.14	.38

NOTE: EXCLUDES NET IMPORTS OF COAL COKE TO THE INDUSTRIAL SECTOR BY STATE.

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE EXPENDITURES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL SINCE THERE ARE NO ASSOCIATED FUEL COSTS FOR THESE ENERGY SOURCES.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MEXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: COAL INCLUDES ANTHRACITE, BITUMINOUS, AND LIGNITE EXCEPT IN THE TRANSPORTATION SECTOR WHICH DOES NOT CONSUME ANTHRACITE.

NOTE: RESIDENTIAL, COMMERCIAL, INDUSTRIAL, AND TRANSPORTATION EXPENDITURES EXCLUDE ENERGY EXPENDITURES FOR WOOD AND WOOD WASTE.

NOTE: EXPENDITURES ON NET IMPORTS OF COAL COKE ARE NOT DISTRIBUTED BY STATE; THEREFORE, THE SUM OF THE TOTAL EXPENDITURES BY STATE WILL NOT EQUAL THE TOTAL U.S. EXPENDITURE.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, THE ENERGY, PRICE, AND EXPENDITURES DATA SYSTEM (EPEDS)

Table 18. Average Annual Fuel Prices by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: California (Dollars per Million Btu)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
ALL FUELS	1.9226	1.9741	2.1310	2.3911	3.0202	3.2490	3.6330	4.1797	4.5404	4.8537	6.9507
OTHER COAL	.3353	.8846	.8259	.0000	1.4535	.0000	.0000	.0000	2.5500	2.5684	2.9678
NATURAL GAS	.9275	.9736	1.0237	1.1026	1.3068	1.4891	1.6891	1.7937	1.8847	2.3520	3.3620
TOTAL PETROLEUM	2.1989	2.3825	2.5024	3.2668	4.1636	4.1728	4.2789	4.8494	4.7311	6.1598	8.1301
DISTILLATE FUEL	1.0772	1.1687	1.1970	1.4953	2.5737	2.7984	3.1068	3.2435	3.1111	4.5060	6.6835
KEROSENE	2.5738	2.7467	3.0316	3.5455	5.3373	5.0759	5.1907	5.7250	6.0291	8.6120	13.0071
LPG	2.3482	2.5693	2.7450	3.7284	4.3928	4.4477	4.6179	5.4640	5.0660	6.7300	8.1500
ELECTRICITY	6.5270	6.7811	7.2144	7.7184	9.8810	10.6688	11.1837	12.4106	13.1340	13.0997	17.8395
COMMERCIAL SECTOR											
ALL FUELS	2.0996	2.1670	2.5122	2.8112	3.5416	4.3569	5.1295	6.3251	7.5246	6.9891	9.6402
OTHER COAL	.3104	.4868	.5137	.0000	.9269	.0000	.0000	.0000	1.0742	1.3994	1.4963
NATURAL GAS	.6858	.7135	.7709	.8078	.9394	1.2190	1.5079	1.9703	2.1312	2.6032	3.8067
TOTAL PETROLEUM	.8028	.9021	1.0281	1.1760	2.1611	2.4661	2.7248	3.1011	3.1817	4.2410	5.4274
DISTILLATE FUEL	1.0094	1.0873	1.1120	1.4010	2.4724	2.6638	2.9649	3.0916	2.9866	4.4379	6.5122
KEROSENE	.9540	.9807	.9931	1.3228	2.2515	2.4911	2.8429	2.9673	3.1146	4.8853	6.9883
LPG	1.4491	1.5497	1.5955	1.7247	2.6394	2.9399	3.1918	3.8739	4.1473	4.1806	5.8437
MOTOR GASOLINE	2.8006	2.8394	2.7861	3.0835	4.4703	4.8382	5.0429	5.3344	5.4231	7.4344	10.1637
RESIDUAL FUEL	.4520	.5839	.6285	.7504	1.6867	1.6932	1.6112	1.9324	1.8016	2.5145	3.8429
ELECTRICITY	5.0061	5.3006	5.6133	6.2514	8.0177	8.7021	9.5754	12.0039	14.5309	13.0395	18.2844
INDUSTRIAL SECTOR											
ALL FUELS	.7865	.8586	.9295	1.0709	1.7210	2.1114	2.4777	3.0245	3.4676	4.1468	5.8941
METALLURGICAL COAL	.4465	.4808	.5315	.6254	1.3327	1.4273	1.5596	1.6300	1.7565	1.7935	2.0338
OTHER COAL	.3104	.4868	.5137	.4913	.9269	.8202	.9903	1.1260	1.0742	1.3994	1.4963
NATURAL GAS	.3670	.3982	.4327	.4893	.6287	.9805	1.3028	1.7344	1.9159	2.4820	3.4106
TOTAL PETROLEUM	.8291	.9070	.9201	1.1192	2.1487	2.2785	2.3987	2.7188	2.8351	3.7923	5.6245
ASPHALT	.4819	.6323	.6388	.6900	1.4591	1.6036	1.5866	1.6875	1.8097	2.7160	3.7581
DISTILLATE FUEL	.8300	.8532	.8640	1.1509	1.9588	2.2094	2.4498	2.5957	2.6627	3.8056	6.0119
JET FUEL	.0000	.0000	.0000	.0000	.0000	2.1415	2.4340	2.7423	.0000	.0000	.0000
KEROSENE	.9540	.9807	.9931	1.3228	2.2515	2.4911	2.8429	2.9673	3.1146	4.8853	6.9883
LPG	1.4491	1.5497	1.5955	1.7247	2.6394	2.9399	3.1918	3.8739	4.1473	4.1806	5.8437
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.8006	2.8394	2.7861	3.0835	4.4703	4.8382	5.0429	5.3344	5.4231	7.4344	10.1637
RESIDUAL FUEL	.4420	.5710	.6146	.7338	1.6494	1.6558	1.5938	1.8753	1.7846	2.2587	3.4618
ROAD OIL	.5195	.7214	.6936	.7080	1.5487	1.8294	1.8575	1.9142	1.9773	2.7063	4.1105
OTHER PETROLEUM PRODUCTS	.7282	.7576	.7551	.9355	2.0341	2.2361	2.3887	2.6898	2.8327	3.9074	6.2121
ELECTRICITY	2.9109	3.0353	3.3144	3.7561	5.7531	6.7283	7.6366	9.4851	10.7832	10.9908	15.7344
TRANSPORTATION SECTOR											
ALL FUELS	2.0730	2.1221	2.1432	2.4061	3.6309	3.9674	4.1186	4.3515	4.3254	5.9440	7.9804
OTHER COAL	.3104	.4868	.5137	.4913	.9269	.8202	.9903	1.1260	.0000	.0000	.0000
NATURAL GAS	.2702	.3286	.3340	.3742	.4261	.4465	.6524	.6901	.8052	1.6624	2.0663
TOTAL PETROLEUM	2.0903	2.1404	2.1613	2.4269	3.6641	4.0050	4.1456	4.3756	4.3462	5.9769	8.0188
AVIATION GASOLINE	3.4553	3.5236	3.4986	3.7615	5.2408	5.6360	5.8299	6.4522	7.0471	9.5681	13.1458
DISTILLATE FUEL	1.4073	1.5427	1.4727	1.7631	2.9012	3.1941	3.2853	3.2730	3.2717	4.8811	7.0002
JET FUEL	.7667	.8059	.8030	.9526	1.6422	2.1415	2.4340	2.7423	2.9949	3.9668	6.5057
LPG	1.4491	1.5497	1.5955	1.7247	2.6394	2.9399	3.1918	3.8739	4.1473	4.1806	5.8437
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.8006	2.8394	2.7861	3.0835	4.4703	4.8382	5.0429	5.3344	5.4231	7.4344	10.1637
RESIDUAL FUEL	.3660	.4728	.5089	.6076	1.3658	1.3698	1.3483	1.5742	1.3980	2.0816	2.8789
ELECTRICITY	2.8764	2.9476	3.0436	3.2026	3.9229	4.3351	5.0750	8.1838	9.1306	7.4084	10.7562
ELECTRIC UTILITIES											
ALL FUELS	.3289	.4103	.5001	.6851	1.3699	1.8498	1.9736	2.1618	2.2321	2.6728	4.0556
OTHER COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
NATURAL GAS	.3258	.3427	.3795	.4201	.5876	1.0434	1.5549	2.0957	2.1803	2.4481	3.5135
TOTAL PETROLEUM	.3978	.6232	.7887	.9435	2.0086	2.4937	2.3404	2.3786	2.5888	3.1609	5.0406
DISTILLATE FUEL	.4202	.6630	.8378	1.0784	1.8670	2.3721	2.6425	2.6912	2.8040	3.8037	5.7902
JET FUEL	.0000	.0000	1.6356	1.7681	2.4018	2.3743	2.5116	2.6388	2.9146	3.3330	5.3761
PETROLEUM COKE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
RESIDUAL FUEL	.3977	.6229	.7842	.9408	2.0087	2.4965	2.3385	2.3715	2.5801	3.1435	5.0285
NUCLEAR POWER	.1684	.1889	.1622	.1779	.1201	.2887	.2815	.3259	.2897	.3769	.4361
WOOD AND WASTE	.8000	.8400	.8700	.9200	1.0000	1.1000	1.1500	1.2200	1.3100	1.5000	1.8100

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE PRICES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: THE FOLLOWING FUEL SECTOR PRICES HAVE BEEN SUBSTITUTED (SEE THE DOCUMENTATION FOR THE DETAILS), COAL COMMERCIAL = COAL INDUSTRIAL, KEROSENE COMMERCIAL = KEROSENE INDUSTRIAL, LPG COMMERCIAL = LPG INDUSTRIAL, MOTOR GASOLINE COMMERCIAL = MOTOR GASOLINE TRANSPORTATION; JET FUEL INDUSTRIAL = JET FUEL TRANSPORTATION, MOTOR GASOLINE INDUSTRIAL = MOTOR GASOLINE TRANSPORTATION, OTHER PETROLEUM PRODUCTS INDUSTRIAL = DISTILLATE INDUSTRIAL UNITED STATES; COAL TRANSPORTATION = COAL INDUSTRIAL, LPG TRANSPORTATION = LPG INDUSTRIAL, LUBRICANTS TRANSPORTATION = LUBRICANTS INDUSTRIAL.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 19. Fuel Expenditures and Electricity Sales by Fuel Type, 1970-1980: Colorado (Million Dollars)

ENERGY EXPENDITURES ALL SECTORS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
COAL											
METALLURGICAL COAL	13	12	16	20	40	42	47	39	36	49	45
OTHER COAL	6	6	8	8	11	14	11	19	19	18	24
(INCLUDING ELECTRICITY GENERATION)	24	25	30	37	46	66	76	121	131	152	190
TOTAL COAL	19	18	23	28	51	57	59	59	55	67	69
(INCLUDING ELECTRICITY GENERATION)	37	38	45	56	86	108	124	161	167	201	235
NATURAL GAS											
TOTAL NATURAL GAS	123	131	147	174	200	269	310	390	461	633	683
(INCLUDING ELECTRICITY GENERATION)	136	148	169	193	229	301	344	427	501	702	771
PETROLEUM PRODUCTS											
ASPHALT AND ROAD OIL	12	20	21	24	34	30	26	31	29	43	52
AVIATION GASOLINE	4	4	4	5	6	6	7	8	9	12	17
DISTILLATE FUEL OIL	31	38	41	57	105	106	128	151	162	279	409
(INCLUDING ELECTRICITY GENERATION)	31	38	41	59	111	115	136	154	168	306	416
JET FUEL	34	37	37	43	71	90	107	127	143	147	186
(INCLUDING ELECTRICITY GENERATION)	34	37	37	43	71	90	107	127	143	147	186
KEROSENE	5	3	3	4	4	4	3	4	6	6	14
LIQUEFIED PETROLEUM GASES	26	28	34	55	48	53	65	67	84	120	142
LUBRICANTS	15	16	17	17	23	26	29	38	42	55	57
MOTOR GASOLINE	373	426	443	515	679	782	848	924	979	1,269	1,686
RESIDUAL FUEL	3	4	5	7	25	23	38	33	46	9	29
(INCLUDING ELECTRICITY GENERATION)	4	5	7	11	32	36	44	41	50	19	33
ALL OTHER PETROLEUM PRODUCTS	9	10	11	12	23	37	28	32	18	28	40
(INCLUDING ELECTRICITY GENERATION)	9	10	11	12	23	37	28	32	18	28	40
TOTAL PETROLEUM	513	586	617	739	1,018	1,157	1,279	1,416	1,519	1,968	2,631
(INCLUDING ELECTRICITY GENERATION)	513	587	619	744	1,031	1,178	1,293	1,427	1,529	2,006	2,642
NUCLEAR POWER, ELECTRICITY GENERATION	0	0	0	0	0	0	0	1	2	1	3
WOOD AND WASTE, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
ELECTRICITY SALES	223	244	277	311	358	427	474	530	603	730	883
TOTAL (INCLUDING ELECTRICITY SALES, EXCLUDING ELECTRICITY GENERATION)	878	979	1,064	1,251	1,627	1,909	2,122	2,395	2,639	3,397	4,267
TOTAL (EXCLUDING ELECTRICITY SALES, INCLUDING ELECTRICITY GENERATION)	687	772	832	993	1,346	1,587	1,761	2,015	2,198	2,909	3,650

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: THERE ARE NO PURCHASED FUEL EXPENDITURES FOR ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: DATA FOR 1980 DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.

NOTE: THE "ALL OTHER PETROLEUM PRODUCTS" CATEGORY INCLUDES NATURAL GASOLINE, UNFRACTIONATED STREAM, PLANT CONDENSATE, PETRO CHEMICAL FEEDSTOCKS, SPECIAL NAPHTHAS, PETROLEUM COKE (NOT CONSUMED IN ELECTRIC UTILITIES), STILL GAS, WAX, AND MISCELLANEOUS PRODUCTS. THE "(INCLUDING ELECTRICITY GENERATION)" CATEGORY INCLUDES PETROLEUM COKE FUEL EXPENDITURES FOR ELECTRIC UTILITIES.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE; THEREFORE, THE SUM OF ALL STATES WILL NOT EQUAL TOTAL U.S.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 20. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Colorado (Million Dollars)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
TOTAL ENERGY	187.79	203.41	230.96	280.43	296.77	344.26	389.63	436.41	503.29	650.57	734.35
OTHER COAL	.62	1.49	1.73	2.49	.99	.30	.68	1.15	3.20	4.01	2.26
NATURAL GAS (DRY)	62.41	66.54	73.54	86.16	97.22	129.17	151.75	183.87	206.95	276.12	299.64
TOTAL PETROLEUM	23.04	23.70	27.86	48.61	36.25	40.57	49.02	48.50	63.29	98.22	103.48
DISTILLATE FUEL	1.21	1.50	1.65	2.20	4.18	4.58	4.81	5.34	5.39	8.78	3.15
KEROSENE	.96	.68	.57	.60	.64	.61	.68	.73	.94	.71	1.04
LPG	20.87	21.52	25.64	45.81	31.43	35.38	43.54	42.43	56.96	88.72	99.29
ELECTRICITY	101.71	111.68	127.83	143.17	162.32	174.22	188.18	202.89	229.85	272.22	328.96
COMMERCIAL SECTOR											
TOTAL ENERGY	135.41	149.54	165.88	188.37	217.32	265.86	277.01	323.43	383.66	490.65	578.61
OTHER COAL	1.15	1.32	1.20	.92	1.16	.26	.66	1.10	3.02	3.02	1.55
NATURAL GAS (DRY)	35.39	39.14	42.90	50.55	59.90	84.34	92.19	115.33	142.95	195.44	208.15
TOTAL PETROLEUM	6.01	6.87	7.06	8.54	12.50	12.44	14.42	15.49	18.20	23.11	42.46
DISTILLATE FUEL	.84	1.02	1.12	1.56	3.16	3.35	3.59	4.00	4.08	6.91	12.74
KEROSENE	.74	.51	.42	.50	.57	.57	.65	.63	.84	.71	.20
LPG	2.56	2.83	3.36	3.74	5.60	5.14	6.07	6.58	8.81	10.32	14.11
MOTOR GASOLINE	1.77	2.37	1.98	2.52	2.46	2.67	3.02	3.18	3.10	4.93	15.36
RESIDUAL FUEL	.09	.14	.17	.23	.71	.71	1.11	1.09	1.37	.24	.06
ELECTRICITY	92.86	102.21	114.71	128.36	143.76	168.82	169.74	191.52	219.49	269.07	326.44
INDUSTRIAL SECTOR											
TOTAL ENERGY	131.07	145.04	162.42	190.78	299.10	362.26	417.03	475.70	504.03	602.62	792.31
METALLURGICAL COAL	12.79	12.35	15.61	19.74	39.86	42.37	47.28	39.46	36.01	48.69	45.43
OTHER COAL	4.63	3.28	4.88	4.49	8.92	13.73	9.89	16.91	13.02	11.40	19.98
NATURAL GAS (DRY)	25.17	24.89	29.68	36.28	42.25	52.25	60.95	83.46	104.19	148.68	158.63
TOTAL PETROLEUM	60.50	74.84	77.87	90.80	156.21	170.09	182.59	200.32	197.07	205.57	340.94
ASPHALT	10.84	15.66	17.31	21.53	31.81	28.14	24.66	30.32	28.88	43.04	51.28
DISTILLATE FUEL	10.72	13.70	13.40	19.74	36.17	38.13	44.72	46.66	49.20	54.34	125.17
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KEROSENE	2.80	2.26	2.35	2.82	2.56	2.32	2.14	2.27	3.94	4.68	12.50
LPG	2.75	3.38	4.57	5.08	9.92	11.34	14.27	17.48	17.09	20.03	27.38
LUBRICANTS	5.01	5.37	5.81	4.39	5.99	8.82	9.78	14.19	15.52	20.37	21.19
MOTOR GASOLINE	14.79	15.66	14.40	15.92	21.24	21.07	22.65	26.47	20.53	26.28	34.16
RESIDUAL FUEL	2.66	3.90	4.99	6.72	23.19	21.51	34.97	30.43	43.06	8.37	29.11
ROAD OIL	1.49	4.81	3.82	2.36	2.39	1.68	1.58	.64	.45	.06	.28
OTHER PETROLEUM PRODUCTS	9.46	10.10	11.22	12.24	22.92	37.08	27.83	31.85	18.40	28.40	39.87
ELECTRICITY	27.97	29.68	34.38	39.48	51.85	83.81	116.33	135.55	153.74	188.29	227.33
TRANSPORTATION SECTOR											
TOTAL ENERGY	423.61	481.01	504.71	591.52	813.45	937.06	1,038.64	1,159.09	1,247.67	1,653.65	2,161.48
OTHER COAL	.02	.02	.01	.01	.02	.01	*	*	.00	.00	.00
NATURAL GAS (DRY)	.35	.37	.66	.60	.70	2.93	5.31	7.72	7.39	12.31	16.92
TOTAL PETROLEUM	423.24	480.62	504.04	590.90	812.73	934.12	1,033.32	1,151.36	1,240.27	1,641.35	2,144.55
AVIATION GASOLINE	4.00	3.87	3.98	4.72	6.47	6.48	7.06	8.39	9.30	12.29	17.23
DISTILLATE FUEL	18.38	21.39	25.01	33.46	61.19	60.18	74.57	94.62	103.68	208.58	268.31
JET FUEL	33.90	36.63	36.84	43.45	71.34	90.03	107.38	127.50	143.41	147.37	185.76
LPG	.28	.33	.48	.52	.82	.75	.86	.92	.90	1.05	1.43
LUBRICANTS	10.47	10.30	11.14	12.22	16.68	17.15	19.01	23.96	26.20	34.38	35.76
MOTOR GASOLINE	355.97	407.93	426.49	496.29	655.16	758.55	822.76	894.75	955.31	1,237.63	1,636.06
RESIDUAL FUEL	.24	.17	.11	.25	1.08	.98	1.69	1.24	1.48	.06	.00
ELECTRICITY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRIC UTILITIES											
TOTAL ENERGY	31.25	36.78	45.36	53.41	77.61	104.30	112.48	150.70	162.82	241.53	265.99
OTHER COAL	17.98	19.07	21.79	28.70	35.37	51.64	65.06	102.18	111.31	133.44	165.85
NATURAL GAS (DRY)	12.59	16.64	21.74	19.64	29.13	31.90	33.55	36.81	39.52	69.74	87.18
TOTAL PETROLEUM	.68	1.08	1.83	5.07	13.11	20.76	13.87	11.03	10.16	37.55	10.09
DISTILLATE FUEL	.08	.14	.24	1.68	5.91	8.41	7.90	2.99	6.07	27.35	6.21
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PETROLEUM COKE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RESIDUAL FUEL	.60	.93	1.59	3.40	7.20	12.35	5.97	8.05	4.09	10.20	3.89
NUCLEAR POWER	.00	.00	.00	.00	.00	.00	.00	.67	1.82	.80	2.86
WOOD AND WASTE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

* LESS THAN .005.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE TO THE INDUSTRIAL SECTOR BY STATE.

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE EXPENDITURES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL SINCE THERE ARE NO ASSOCIATED FUEL COSTS FOR THESE ENERGY SOURCES.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MEXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: COAL INCLUDES ANTHRACITE, BITUMINOUS, AND LIGNITE EXCEPT IN THE TRANSPORTATION SECTOR WHICH DOES NOT CONSUME ANTHRACITE.

NOTE: RESIDENTIAL, COMMERCIAL, INDUSTRIAL, AND TRANSPORTATION EXPENDITURES EXCLUDE ENERGY EXPENDITURES FOR WOOD AND WOOD WASTE.

NOTE: EXPENDITURES ON NET IMPORTS OF COAL COKE ARE NOT DISTRIBUTED BY STATE; THEREFORE, THE SUM OF THE TOTAL EXPENDITURES BY STATE WILL NOT EQUAL THE TOTAL U.S. EXPENDITURE.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, THE ENERGY, PRICE, AND EXPENDITURES DATA SYSTEM (EPEDS)

Table 21. Average Annual Fuel Prices by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Colorado (Dollars per Million Btu)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
ALL FUELS	1.6513	1.7256	1.8428	2.0734	2.3470	2.6059	2.7573	3.2641	3.8542	4.6459	5.6603
OTHER COAL	.2884	.7045	.8260	1.4820	1.0735	1.5770	1.4060	1.6100	1.7100	2.1094	2.5152
NATURAL GAS	.7329	.7604	.8029	.8580	1.0341	1.2672	1.3872	1.8054	2.2125	2.7748	3.2622
TOTAL PETROLEUM	1.7402	1.7048	1.7733	3.1560	2.7592	3.2604	3.7218	3.9485	4.2536	5.8712	7.3140
DISTILLATE FUEL	1.2341	1.3149	1.3184	1.5495	2.5046	2.8549	2.9444	3.2284	3.2747	4.5973	6.9408
KEROSENE	1.5137	1.5386	1.5564	1.8251	2.8653	2.9585	3.1958	3.5822	3.8125	5.0417	7.9898
LPG	1.7952	1.7469	1.8194	3.3550	2.7949	3.3275	3.8437	4.0700	4.3860	6.0450	7.3200
ELECTRICITY	7.7250	7.7771	8.0258	8.0671	8.8339	9.9302	10.3066	10.7588	11.3255	12.4369	14.4052
COMMERCIAL SECTOR											
ALL FUELS	1.5908	1.6531	1.7929	1.8867	2.2314	2.5562	2.7016	3.2158	3.7149	4.5346	5.7289
OTHER COAL	.2875	.3347	.3083	.2953	.6761	.7388	.7398	.8299	.8696	.8563	.9311
NATURAL GAS	.5810	.6044	.6615	.7095	.8562	1.0839	1.1910	1.5590	1.9699	2.5656	3.0360
TOTAL PETROLEUM	1.3077	1.4387	1.4067	1.6549	2.6601	2.7397	2.9697	3.3058	3.4369	4.4705	7.0176
DISTILLATE FUEL	1.0382	1.0793	1.0772	1.3195	2.2751	2.5056	2.6431	2.9063	2.9824	4.3442	6.4885
KEROSENE	.8792	.8745	.8651	1.1410	1.9151	2.1150	2.3168	2.3428	2.5793	3.7847	5.7401
LPG	1.2498	1.3003	1.3527	1.5518	2.8246	2.7382	3.0349	3.5767	3.8428	3.9854	5.8938
MOTOR GASOLINE	2.7168	2.9314	2.8084	3.1085	4.1988	4.6660	4.9022	5.1287	5.0524	6.8488	9.3600
RESIDUAL FUEL	.3842	.5302	.5710	.6996	1.5923	1.4622	1.8251	1.8898	1.9734	2.9180	3.1287
ELECTRICITY	5.9491	6.0139	6.1201	6.3162	6.8403	7.9271	8.7572	9.2999	10.0056	11.5373	13.2054
INDUSTRIAL SECTOR											
ALL FUELS	.6268	.7445	.7480	.8364	1.3891	1.6879	1.9467	2.2096	2.4659	2.9791	4.0437
METALLURGICAL COAL	.4465	.4808	.5315	.6254	1.3327	1.4273	1.5596	1.6300	1.7565	1.7935	2.0338
OTHER COAL	.2875	.3347	.3083	.2953	.6761	.7388	.7398	.8299	.8696	.8563	.9311
NATURAL GAS	.2787	.3031	.3305	.3771	.4899	.6990	.8525	1.1941	1.4639	1.8907	2.5721
TOTAL PETROLEUM	.9160	1.0898	1.0674	1.2026	2.0952	2.2215	2.2886	2.5197	2.6083	3.4410	5.0949
ASPHALT	.5667	1.0394	1.0314	1.0576	1.9344	2.0081	1.5371	1.7717	1.9854	2.3585	3.4007
DISTILLATE FUEL	.8267	.8223	.8135	1.0730	1.8009	1.9622	2.1700	2.2043	2.3777	2.8185	5.4195
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
KEROSENE	.8792	.8745	.8651	1.1410	1.9151	2.1150	2.3168	2.3428	2.5793	3.7847	5.7401
LPG	1.2498	1.3003	1.3527	1.5518	2.8246	2.7382	3.0349	3.5767	3.8428	3.9854	5.8938
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.7168	2.9314	2.8084	3.1085	4.1988	4.6660	4.9022	5.1287	5.0524	6.8488	9.3600
RESIDUAL FUEL	.3757	.5185	.5584	.6841	1.5572	1.4299	1.8053	1.8339	1.9548	2.6212	2.8184
ROAD OIL	.6615	1.0316	1.0316	1.0513	1.9145	2.1096	1.9250	1.9938	2.2204	2.5579	3.6625
OTHER PETROLEUM PRODUCTS	.7282	.7576	.7551	.9355	2.0341	2.2361	2.3887	2.6898	2.8327	3.9074	6.2121
ELECTRICITY	3.5120	3.4762	3.7334	4.0978	4.5377	5.5741	6.0383	6.3613	6.9257	8.0313	9.6559
TRANSPORTATION SECTOR											
ALL FUELS	2.1757	2.3390	2.2627	2.5371	3.5410	3.9584	4.1409	4.4260	4.4831	6.1188	8.6009
OTHER COAL	.2875	.3347	.3083	.2953	.6761	.7388	.7398	.8299	.0000	.0000	.0000
NATURAL GAS	.1833	.1927	.2137	.2285	.2791	.5377	.7847	1.1134	1.4979	1.7188	2.1867
TOTAL PETROLEUM	2.1963	2.3597	2.2917	2.5638	3.5775	4.0391	4.2340	4.5162	4.5370	6.2385	8.8047
AVIATION GASOLINE	3.4553	3.5236	3.4986	3.7615	5.2408	5.6360	5.8299	6.4522	7.0471	9.5681	14.7266
DISTILLATE FUEL	1.1893	1.2274	1.2226	1.4548	2.4238	2.4688	2.6726	3.0541	3.1880	4.7776	7.0603
JET FUEL	.7978	.8385	.8356	.9911	1.7089	2.2289	2.4481	2.8428	3.0613	4.2809	6.9007
LPG	1.2498	1.3003	1.3527	1.5518	2.8246	2.7382	3.0349	3.5767	3.8428	3.9854	5.8938
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.7168	2.9314	2.8084	3.1085	4.1988	4.6660	4.9022	5.1287	5.0524	6.8488	9.3600
RESIDUAL FUEL	.3842	.5302	.5710	.6996	1.5923	1.4622	1.8251	1.8898	1.9734	2.9180	.0000
ELECTRICITY	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
ELECTRIC UTILITIES											
ALL FUELS	.2525	.2789	.3134	.3373	.4605	.5890	.5837	.6803	.7366	1.0036	1.0886
OTHER COAL	.2600	.2810	.3000	.3087	.3743	.4565	.4562	.5724	.6200	.6922	.8195
NATURAL GAS	.2385	.2681	.3162	.3261	.4302	.5875	.7777	1.0437	1.2983	1.9047	2.6408
TOTAL PETROLEUM	.3715	.5470	.5471	.9872	2.0767	2.1491	1.9971	2.0797	2.3070	4.1726	5.4807
DISTILLATE FUEL	.5438	.7988	.8000	1.5570	2.5044	2.5591	2.3921	2.6875	2.8172	5.6037	6.4985
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
PETROLEUM COKE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
RESIDUAL FUEL	.3573	.5215	.5224	.8360	1.8215	1.9378	1.6388	1.9185	1.8185	2.4763	4.3838
NUCLEAR POWER	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.2772	.2735	.3526	.4031
WOOD AND WASTE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE PRICES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: THE FOLLOWING FUEL SECTOR PRICES HAVE BEEN SUBSTITUTED (SEE THE DOCUMENTATION FOR THE DETAILS), COAL COMMERCIAL = COAL INDUSTRIAL, KEROSENE COMMERCIAL = KEROSENE INDUSTRIAL, LPG COMMERCIAL = LPG INDUSTRIAL, MOTOR GASOLINE COMMERCIAL = MOTOR GASOLINE TRANSPORTATION; JET FUEL INDUSTRIAL = JET FUEL TRANSPORTATION, MOTOR GASOLINE INDUSTRIAL = MOTOR GASOLINE TRANSPORTATION, OTHER PETROLEUM PRODUCTS INDUSTRIAL = DISTILLATE INDUSTRIAL UNITED STATES; COAL TRANSPORTATION = COAL INDUSTRIAL, LPG TRANSPORTATION = LPG INDUSTRIAL, LUBRICANTS TRANSPORTATION = LUBRICANTS INDUSTRIAL.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 22. Fuel Expenditures and Electricity Sales by Fuel Type, 1970-1980: Connecticut (Million Dollars)

ENERGY EXPENDITURES ALL SECTORS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
COAL											
METALLURGICAL COAL	0	0	0	0	0	0	0	0	0	0	0
OTHER COAL	3	2	1	1	2	1	1	1	*	1	*
(INCLUDING ELECTRICITY GENERATION)	22	20	3	2	6	1	1	1	*	1	*
TOTAL COAL	3	2	1	1	2	1	1	1	*	1	*
(INCLUDING ELECTRICITY GENERATION)	22	20	3	2	6	1	1	1	*	1	*
NATURAL GAS											
TOTAL NATURAL GAS	98	108	114	118	159	186	210	245	258	282	369
(INCLUDING ELECTRICITY GENERATION)	98	108	114	118	160	186	211	245	258	282	369
PETROLEUM PRODUCTS											
ASPHALT AND ROAD OIL	5	7	8	9	11	16	15	12	17	15	15
AVIATION GASOLINE	1	1	1	2	2	2	2	3	3	4	6
DISTILLATE FUEL OIL	172	180	188	225	351	334	401	442	468	795	896
(INCLUDING ELECTRICITY GENERATION)	175	185	192	230	355	344	402	443	469	797	900
JET FUEL	13	10	12	12	21	25	26	33	37	52	73
(INCLUDING ELECTRICITY GENERATION)	13	10	14	15	24	27	26	34	37	56	75
KEROSENE	6	6	7	6	9	10	12	10	10	11	21
LIQUEFIED PETROLEUM GASES	14	13	15	17	23	29	34	38	36	45	55
LUBRICANTS	21	17	19	20	27	22	25	27	30	39	40
MOTOR GASOLINE	445	469	486	544	725	770	823	889	932	1,185	1,579
RESIDUAL FUEL	41	47	53	72	148	141	177	195	236	189	245
(INCLUDING ELECTRICITY GENERATION)	90	121	168	229	495	417	409	458	505	575	845
ALL OTHER PETROLEUM PRODUCTS	2	3	3	4	11	14	16	21	21	28	37
(INCLUDING ELECTRICITY GENERATION)	2	3	3	4	11	14	16	21	21	28	37
TOTAL PETROLEUM	721	754	793	910	1,328	1,363	1,531	1,671	1,789	2,362	2,968
(INCLUDING ELECTRICITY GENERATION)	772	832	913	1,074	1,681	1,651	1,764	1,935	2,059	2,754	3,573
NUCLEAR POWER, ELECTRICITY GENERATION	5	13	13	10	18	26	36	38	80	43	49
WOOD AND WASTE, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
ELECTRICITY SALES	344	393	471	549	751	829	855	904	937	1,125	1,404
TOTAL (INCLUDING ELECTRICITY SALES, EXCLUDING ELECTRICITY GENERATION)	1,165	1,256	1,380	1,578	2,241	2,379	2,597	2,821	2,983	3,770	4,742
TOTAL (EXCLUDING ELECTRICITY SALES, INCLUDING ELECTRICITY GENERATION)	898	974	1,043	1,204	1,864	1,865	2,011	2,219	2,397	3,080	3,992

* LESS THAN .5.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: THERE ARE NO PURCHASED FUEL EXPENDITURES FOR ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: DATA FOR 1980 DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.

NOTE: THE "ALL OTHER PETROLEUM PRODUCTS" CATEGORY INCLUDES NATURAL GASOLINE, UNFRACTIONATED STREAM, PLANT CONDENSATE, PETRO CHEMICAL FEEDSTOCKS, SPECIAL NAPHTHAS, PETROLEUM COKE (NOT CONSUMED IN ELECTRIC UTILITIES), STILL GAS, WAX, AND MISCELLANEOUS PRODUCTS. THE "(INCLUDING ELECTRICITY GENERATION)" CATEGORY INCLUDES PETROLEUM COKE FUEL EXPENDITURES FOR ELECTRIC UTILITIES.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE; THEREFORE, THE SUM OF ALL STATES WILL NOT EQUAL TOTAL U.S.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 23. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Connecticut (Million Dollars)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
TOTAL ENERGY	347.87	382.14	425.87	475.41	668.80	703.89	761.76	825.64	862.97	1,162.90	1,372.07
OTHER COAL	.05	.08	.03	.06	.05	.04	.03	.06	.09	.04	.14
NATURAL GAS (DRY)	60.51	66.93	69.59	68.33	94.33	107.42	111.41	136.04	142.66	149.34	187.81
TOTAL PETROLEUM	130.20	133.15	141.61	161.19	238.56	228.60	272.83	298.31	316.42	541.53	596.52
DISTILLATE FUEL	116.56	120.74	126.51	145.91	221.61	209.09	252.05	274.59	294.53	513.67	560.03
KEROSENE	5.07	4.91	6.13	4.68	5.26	5.22	5.24	5.09	4.77	6.09	10.79
LPG	8.58	7.50	8.96	10.61	11.69	14.29	15.54	18.63	17.12	21.77	25.71
ELECTRICITY	157.10	181.98	214.64	245.83	335.85	367.83	377.48	391.23	403.80	471.99	587.60
COMMERCIAL SECTOR											
TOTAL ENERGY	169.17	192.51	225.03	263.34	363.81	397.68	433.49	468.92	490.57	631.82	746.17
OTHER COAL	.05	.04	.03	.03	.08	.05	.03	.04	.04	.03	.13
NATURAL GAS (DRY)	21.66	25.32	27.84	28.23	36.56	42.93	54.35	60.44	64.03	66.82	96.32
TOTAL PETROLEUM	34.56	36.03	38.74	47.26	78.69	75.72	91.13	100.52	108.26	177.70	166.34
DISTILLATE FUEL	29.43	30.54	31.91	38.29	62.44	59.08	71.62	78.70	83.39	151.90	109.15
KEROSENE	.08	.09	.11	.09	.15	.15	.15	.14	.13	.19	.27
LPG	.78	.74	.82	.73	1.18	1.50	1.74	1.91	1.82	2.21	2.84
MOTOR GASOLINE	1.51	1.53	2.37	3.55	5.30	5.80	6.12	6.68	7.27	9.64	14.38
RESIDUAL FUEL	2.76	3.13	3.54	4.60	9.63	9.20	11.49	13.09	15.65	13.76	39.70
ELECTRICITY	112.89	131.12	158.42	187.82	248.47	278.98	287.97	307.93	318.24	387.27	483.38
INDUSTRIAL SECTOR											
TOTAL ENERGY	166.93	176.60	202.40	246.71	408.86	430.54	495.26	539.53	587.91	642.01	850.48
METALLURGICAL COAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER COAL	2.54	1.83	1.19	1.25	2.35	1.29	.67	.80	.12	1.03	.19
NATURAL GAS (DRY)	15.56	15.68	16.66	21.39	28.18	35.47	44.28	48.47	50.74	65.55	84.90
TOTAL PETROLEUM	74.39	79.10	86.34	109.19	211.17	211.80	261.00	285.12	322.27	309.54	432.15
ASPHALT	4.61	6.61	8.16	8.62	11.18	16.01	14.70	12.48	16.98	14.84	15.33
DISTILLATE FUEL	8.33	9.36	8.35	13.67	26.90	26.57	33.67	39.03	33.03	48.01	117.54
JET FUEL	.00	.00	.00	.00	.00	.77	.31	.26	.00	.00	.00
KEROSENE	1.04	1.14	1.14	.92	3.24	4.34	6.82	4.47	4.71	4.36	9.75
LPG	4.40	4.51	5.22	5.92	9.89	13.01	16.75	17.79	16.79	20.39	26.19
LUBRICANTS	12.12	8.98	9.71	11.96	16.33	11.35	12.58	12.38	13.54	17.76	18.48
MOTOR GASOLINE	4.18	3.33	2.71	1.48	1.71	.87	2.54	2.94	2.31	2.58	3.47
RESIDUAL FUEL	37.24	42.27	48.08	62.77	130.91	125.09	157.36	175.21	213.72	173.95	204.18
ROAD OIL	.00	.05	.02	.02	.05	*	*	*	*	*	.00
OTHER PETROLEUM PRODUCTS	2.47	2.86	2.95	3.82	10.97	13.78	16.26	20.55	21.20	27.65	37.21
ELECTRICITY	74.44	79.98	98.21	114.89	167.16	181.98	189.31	205.13	214.78	265.89	333.23
TRANSPORTATION SECTOR											
TOTAL ENERGY	481.38	505.24	526.56	592.63	799.35	847.14	906.26	986.58	1,041.91	1,333.29	1,773.30
OTHER COAL	*	*	*	*	*	*	*	*	.00	.00	.00
NATURAL GAS (DRY)	.02	.01	.01	.01	.02	.03	.02	.02	.10	.15	.20
TOTAL PETROLEUM	481.36	505.22	526.54	592.62	799.33	847.12	906.24	986.56	1,041.81	1,333.14	1,773.11
AVIATION GASOLINE	1.34	1.25	1.28	1.52	2.04	2.13	2.11	3.17	3.08	3.83	5.58
DISTILLATE FUEL	18.14	19.83	21.69	27.54	39.71	39.09	43.89	50.02	56.84	81.76	109.68
JET FUEL	12.75	10.11	11.51	12.50	21.21	24.57	25.82	32.86	36.60	52.00	73.30
LPG	.05	.05	.06	.07	.12	.11	.14	.16	.21	.25	.33
LUBRICANTS	8.69	8.24	8.91	7.99	10.90	11.10	12.30	14.73	16.10	21.13	21.98
MOTOR GASOLINE	439.57	464.33	481.21	538.84	717.64	763.51	813.85	878.90	922.66	1,173.17	1,560.89
RESIDUAL FUEL	.81	1.41	1.88	4.16	7.71	6.59	8.13	6.72	6.32	.99	1.34
ELECTRICITY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRIC UTILITIES											
TOTAL ENERGY	76.96	110.56	134.47	174.59	374.92	314.78	269.28	303.00	350.86	435.33	654.18
OTHER COAL	19.74	18.19	1.30	.35	3.43	.04	.06	.12	.11	.14	.00
NATURAL GAS (DRY)	.05	.03	.01	.00	.67	.44	.70	.00	.00	.00	.00
TOTAL PETROLEUM	51.93	78.86	120.24	163.87	352.96	287.93	232.63	264.81	270.62	392.25	605.06
DISTILLATE FUEL	2.57	4.30	3.37	4.26	3.89	10.19	.78	.87	.73	2.11	3.85
JET FUEL	.00	.00	2.72	2.11	2.40	1.52	.26	.52	.12	3.79	1.79
PETROLEUM COKE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RESIDUAL FUEL	49.36	74.56	114.15	157.50	346.67	276.22	231.59	263.42	269.77	386.34	599.43
NUCLEAR POWER	5.24	13.48	12.91	10.37	17.85	26.36	35.88	38.07	80.13	42.95	49.11
WOOD AND WASTE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

* LESS THAN .005.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE TO THE INDUSTRIAL SECTOR BY STATE.

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE EXPENDITURES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL SINCE THERE ARE NO ASSOCIATED FUEL COSTS FOR THESE ENERGY SOURCES.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MEXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: COAL INCLUDES ANTHRACITE, BITUMINOUS, AND LIGNITE EXCEPT IN THE TRANSPORTATION SECTOR WHICH DOES NOT CONSUME ANTHRACITE.

NOTE: RESIDENTIAL, COMMERCIAL, INDUSTRIAL, AND TRANSPORTATION EXPENDITURES EXCLUDE ENERGY EXPENDITURES FOR WOOD AND WOOD WASTE.

NOTE: EXPENDITURES ON NET IMPORTS OF COAL COKE ARE NOT DISTRIBUTED BY STATE; THEREFORE, THE SUM OF THE TOTAL EXPENDITURES BY STATE WILL NOT EQUAL THE TOTAL U.S. EXPENDITURE.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, THE ENERGY, PRICE, AND EXPENDITURES DATA SYSTEM (EPEDS)

Table 24. Average Annual Fuel Prices by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Connecticut (Dollars per Million Btu)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
ALL FUELS	2.4329	2.6650	2.8337	3.2424	4.7062	5.1627	5.1750	5.7437	5.9696	6.9845	9.5852
OTHER COAL	.4812	.8615	.5731	1.0539	.7853	1.0716	1.0564	1.7860	2.1950	1.4194	1.5209
NATURAL GAS	1.8819	2.0364	2.0610	2.2138	2.7568	3.2765	3.3838	4.2969	4.4155	4.6890	5.7240
TOTAL PETROLEUM	1.4647	1.5284	1.5469	1.7984	2.9118	2.9270	3.1186	3.5138	3.7382	5.0740	7.2568
DISTILLATE FUEL	1.4063	1.4864	1.4936	1.7305	2.8635	2.8411	3.0365	3.4083	3.6459	5.0082	7.1716
KEROSENE	1.6981	1.6639	1.6912	1.9440	3.0149	3.1614	3.3514	3.7550	4.0146	5.3412	8.1643
LPG	2.8321	2.5550	2.7889	3.6459	4.1841	5.0078	5.3318	6.2600	6.4067	7.2075	9.2100
ELECTRICITY	7.1985	7.8037	8.6116	9.4296	12.9702	14.4716	14.1073	14.4058	14.6486	16.9214	20.9559
COMMERCIAL SECTOR											
ALL FUELS	2.5964	2.8896	3.1783	3.7014	5.3233	5.9644	5.9688	6.4364	6.5528	7.9508	10.5262
OTHER COAL	.6683	.7257	.7561	.8769	1.4090	1.8346	1.4727	1.6290	1.5772	1.7610	1.8040
NATURAL GAS	1.4490	1.5279	1.5943	1.7949	2.1977	2.6421	3.1951	3.5276	3.7200	3.8999	4.6674
TOTAL PETROLEUM	1.0072	1.1064	1.1344	1.3709	2.4936	2.5268	2.6588	2.9970	3.1163	4.5728	6.3493
DISTILLATE FUEL	1.0930	1.1575	1.1597	1.3979	2.4836	2.4711	2.6562	3.0072	3.1776	4.5588	6.4790
KEROSENE	.7874	.8362	.8341	1.0659	2.4232	2.6690	2.7176	2.9887	3.1153	4.6844	6.8544
LPG	1.4629	1.4190	1.4369	1.4221	2.3916	2.9762	3.3857	3.6357	3.8589	4.1452	5.7633
MOTOR GASOLINE	2.9597	3.0236	3.0051	3.2770	4.3788	4.6073	4.7992	5.1071	5.3414	7.1656	9.9500
RESIDUAL FUEL	.4427	.6197	.6868	.8521	2.0689	2.1681	2.1033	2.3848	2.3636	3.7999	5.3840
ELECTRICITY	7.1372	7.5240	8.2726	8.9826	12.3693	13.6532	13.5082	13.8953	13.9050	16.5115	20.1573
INDUSTRIAL SECTOR											
ALL FUELS	1.1005	1.3161	1.4704	1.6546	3.0591	3.4134	3.3451	3.6544	3.6312	5.1527	7.0995
METALLURGICAL COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
OTHER COAL	.6683	.7257	.7561	.8769	1.4090	1.8346	1.4727	1.6290	1.5772	1.7610	1.8040
NATURAL GAS	1.0275	1.1388	1.1545	1.2404	1.7095	2.2358	2.6531	2.9415	3.0433	3.2548	4.0810
TOTAL PETROLEUM	.6448	.7839	.8340	.9821	2.1731	2.2938	2.3156	2.5500	2.5696	3.7182	5.4980
ASPHALT	.6821	.8193	.8463	.8294	1.5393	1.9124	1.9807	2.0556	2.2482	2.6424	3.6676
DISTILLATE FUEL	.7274	.7725	.7706	.9847	2.2386	2.4052	2.5167	2.7743	2.8841	4.0111	6.2665
JET FUEL	.0000	.0000	.0000	.0000	.0000	2.1852	2.3879	2.7469	.0000	.0000	.0000
KEROSENE	.7874	.8362	.8341	1.0659	2.4232	2.6690	2.7176	2.9887	3.1153	4.6844	6.8544
LPG	1.4629	1.4190	1.4369	1.4221	2.3916	2.9762	3.3857	3.6357	3.8589	4.1452	5.7633
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.9597	3.0236	3.0051	3.2770	4.3788	4.6073	4.7992	5.1071	5.3414	7.1656	9.9500
RESIDUAL FUEL	.4329	.6060	.6716	.8333	2.0232	2.1202	2.0805	2.3143	2.3413	3.4134	4.8500
ROAD OIL	.0000	.9362	.8966	.9428	1.7467	2.0043	2.0860	2.1396	2.3770	2.6687	.0000
OTHER PETROLEUM PRODUCTS	.7282	.7576	.7551	.9355	2.0341	2.2361	2.3887	2.6898	2.8327	3.9074	6.2121
ELECTRICITY	4.2832	4.7104	5.4189	5.9674	9.1221	10.5620	10.4044	10.8809	10.8814	12.8933	16.4309
TRANSPORTATION SECTOR											
ALL FUELS	2.6423	2.7468	2.7130	2.9553	4.0443	4.3231	4.5076	4.8471	5.0754	6.8616	9.5859
OTHER COAL	.6683	.7257	.7561	.8769	1.4090	1.8346	1.4727	1.6290	.0000	.0000	.0000
NATURAL GAS	.3150	.3132	.3445	.3941	.4941	.5785	.5879	1.4851	2.5666	2.4962	2.7012
TOTAL PETROLEUM	2.6430	2.7474	2.7135	2.9556	4.0451	4.3239	4.5081	4.8474	5.0759	6.8629	9.5886
AVIATION GASOLINE	3.4553	3.5236	3.4986	3.7615	5.2408	5.6360	5.8299	6.4522	7.0471	9.3185	14.3938
DISTILLATE FUEL	1.3754	1.4752	1.4866	1.7884	2.6944	2.8768	3.0714	3.5796	3.7571	5.2707	7.3322
JET FUEL	.7822	.8222	.8193	.9719	1.6756	2.1852	2.3879	2.7469	3.0925	4.1449	6.7825
LPG	1.4629	1.4190	1.4369	1.4221	2.3916	2.9762	3.3857	3.6357	3.8589	4.1452	5.7633
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.9597	3.0236	3.0051	3.2770	4.3788	4.6073	4.7992	5.1071	5.3414	7.1656	9.9500
RESIDUAL FUEL	.3585	.5018	.5561	.6900	1.6753	1.7540	1.7600	1.9427	1.8341	3.1456	4.0333
ELECTRICITY	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
ELECTRIC UTILITIES											
ALL FUELS	.3462	.4181	.5012	.7337	1.4143	1.3580	1.0477	1.1637	1.2553	1.7193	2.5712
OTHER COAL	.4470	.5470	.6110	.5117	.7728	.4098	.2464	.5330	.3003	.6494	.0000
NATURAL GAS	.3414	.3846	.4265	.0000	1.2345	1.2585	1.5400	.0000	.0000	.0000	.0000
TOTAL PETROLEUM	.3753	.5368	.6600	.8608	2.0622	2.0312	1.9372	2.2390	2.1232	3.3300	4.7087
DISTILLATE FUEL	.4150	.5966	.7282	.9705	2.2283	2.2876	2.4377	2.4217	2.1242	3.9436	6.1121
JET FUEL	.0000	.0000	1.5481	1.6674	2.3211	2.4187	2.0798	2.2851	1.4476	4.3146	6.0697
PETROLEUM COKE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
RESIDUAL FUEL	.3734	.5337	.6493	.8527	2.0589	2.0211	1.9357	2.2384	2.1237	3.3197	4.6986
NUCLEAR POWER	.1323	.1601	.1539	.2210	.2007	.2942	.2634	.2684	.5283	.3177	.3900
WOOD AND WASTE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE PRICES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: THE FOLLOWING FUEL SECTOR PRICES HAVE BEEN SUBSTITUTED (SEE THE DOCUMENTATION FOR THE DETAILS), COAL COMMERCIAL = COAL INDUSTRIAL, KEROSENE COMMERCIAL = KEROSENE INDUSTRIAL, LPG COMMERCIAL = LPG INDUSTRIAL, MOTOR GASOLINE COMMERCIAL = MOTOR GASOLINE TRANSPORTATION; JET FUEL INDUSTRIAL = JET FUEL TRANSPORTATION, MOTOR GASOLINE INDUSTRIAL = MOTOR GASOLINE TRANSPORTATION, OTHER PETROLEUM PRODUCTS INDUSTRIAL = DISTILLATE INDUSTRIAL UNITED STATES; COAL TRANSPORTATION = COAL INDUSTRIAL, LPG TRANSPORTATION = LPG INDUSTRIAL, LUBRICANTS TRANSPORTATION = LUBRICANTS INDUSTRIAL.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 25. Fuel Expenditures and Electricity Sales by Fuel Type, 1970-1980: Delaware (Million Dollars)

ENERGY EXPENDITURES ALL SECTORS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
COAL											
METALLURGICAL COAL	0	0	0	0	0	0	0	0	0	0	0
OTHER COAL	*	1	1	1	1	1	1	1	4	3	8
(INCLUDING ELECTRICITY GENERATION)	15	19	13	12	24	27	21	20	28	33	44
TOTAL COAL	*	1	1	1	1	1	1	1	4	3	8
(INCLUDING ELECTRICITY GENERATION)	15	19	13	12	24	27	21	20	28	33	44
NATURAL GAS											
TOTAL NATURAL GAS	23	24	26	26	30	32	35	42	63	58	77
(INCLUDING ELECTRICITY GENERATION)	24	26	28	28	31	34	37	45	66	73	102
PETROLEUM PRODUCTS											
ASPHALT AND ROAD OIL	2	3	3	2	6	8	6	4	3	7	8
AVIATION GASOLINE	3	3	3	2	4	2	2	3	3	2	4
DISTILLATE FUEL OIL	28	30	30	34	56	60	70	82	77	94	141
(INCLUDING ELECTRICITY GENERATION)	29	30	30	37	60	65	73	91	90	100	148
JET FUEL	7	7	7	8	13	16	17	21	23	33	56
(INCLUDING ELECTRICITY GENERATION)	7	7	7	8	13	16	17	21	23	33	56
KEROSENE	3	3	3	4	5	5	5	4	4	10	14
LIQUEFIED PETROLEUM GASES	6	6	7	8	12	17	18	16	23	22	29
LUBRICANTS	4	4	4	4	6	5	5	8	9	12	12
MOTOR GASOLINE	94	97	105	116	151	168	178	185	190	257	340
RESIDUAL FUEL	16	19	24	37	57	47	51	61	48	82	201
(INCLUDING ELECTRICITY GENERATION)	20	26	41	67	155	122	132	157	145	220	362
ALL OTHER PETROLEUM PRODUCTS	10	11	11	15	33	36	39	42	45	61	102
(INCLUDING ELECTRICITY GENERATION)	17	17	16	19	36	38	42	45	49	69	114
TOTAL PETROLEUM	174	183	197	231	342	364	392	427	425	579	909
(INCLUDING ELECTRICITY GENERATION)	186	197	220	268	447	446	478	534	539	731	1,089
NUCLEAR POWER, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
WOOD AND WASTE, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
ELECTRICITY SALES	77	90	114	135	184	205	215	255	273	307	363
TOTAL (INCLUDING ELECTRICITY SALES, EXCLUDING ELECTRICITY GENERATION)	274	298	338	393	557	602	643	725	764	947	1,357
TOTAL (EXCLUDING ELECTRICITY SALES, INCLUDING ELECTRICITY GENERATION)	225	242	260	308	502	508	536	599	633	837	1,235

* LESS THAN .5.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: THERE ARE NO PURCHASED FUEL EXPENDITURES FOR ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: DATA FOR 1980 DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.

NOTE: THE "ALL OTHER PETROLEUM PRODUCTS" CATEGORY INCLUDES NATURAL GASOLINE, UNFRACTIONATED STREAM, PLANT CONDENSATE, PETRO CHEMICAL FEEDSTOCKS, SPECIAL NAPHTHAS, PETROLEUM COKE (NOT CONSUMED IN ELECTRIC UTILITIES), STILL GAS, WAX, AND MISCELLANEOUS PRODUCTS. THE "(INCLUDING ELECTRICITY GENERATION)" CATEGORY INCLUDES PETROLEUM COKE FUEL EXPENDITURES FOR ELECTRIC UTILITIES.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE; THEREFORE, THE SUM OF ALL STATES WILL NOT EQUAL TOTAL U.S.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 26. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Delaware (Million Dollars)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
TOTAL ENERGY	65.25	71.15	81.05	89.76	115.22	134.54	149.42	170.45	181.21	196.95	240.39
OTHER COAL	.07	.19	.18	.15	.20	.16	.12	.18	.24	.17	.10
NATURAL GAS (DRY)	12.43	13.30	14.39	13.92	15.63	16.94	19.14	23.17	29.84	27.76	29.40
TOTAL PETROLEUM	22.75	23.12	24.80	27.48	37.85	39.57	46.51	47.79	47.74	56.99	78.08
DISTILLATE FUEL	16.25	16.90	17.98	19.59	28.58	28.55	34.37	38.08	36.40	40.07	53.56
KEROSENE	2.78	2.95	2.89	3.22	4.04	4.09	4.15	3.28	3.07	8.25	13.35
LPG	3.72	3.28	3.93	4.67	5.23	6.92	7.99	6.43	8.27	8.67	11.18
ELECTRICITY	30.00	34.53	41.68	48.21	61.54	77.86	83.65	99.31	103.40	112.03	132.81
COMMERCIAL SECTOR											
TOTAL ENERGY	35.06	40.60	48.75	58.19	77.01	90.21	97.50	123.93	125.07	154.59	279.93
OTHER COAL	.04	.05	.04	.03	.06	.05	.05	.05	.06	.06	.05
NATURAL GAS (DRY)	3.49	3.83	4.37	4.29	5.19	5.64	6.05	8.21	11.40	10.50	12.99
TOTAL PETROLEUM	11.74	13.46	14.38	17.91	26.36	26.80	30.55	38.00	32.06	52.08	159.19
DISTILLATE FUEL	5.11	5.30	5.62	6.07	9.64	9.84	11.86	13.31	12.53	14.33	23.60
KEROSENE	.25	.25	.23	.23	.42	.40	.45	.35	.33	.94	.34
LPG	.40	.39	.41	.40	.69	.95	1.11	.96	1.10	.98	1.33
MOTOR GASOLINE	.36	.38	.30	.32	.52	.76	.90	.89	.93	1.39	2.32
RESIDUAL FUEL	5.63	7.15	7.82	10.88	15.09	14.85	16.23	22.49	17.18	34.44	131.61
ELECTRICITY	19.80	23.27	29.96	35.97	45.40	57.73	60.86	77.67	81.55	91.95	107.70
INDUSTRIAL SECTOR											
TOTAL ENERGY	63.92	72.39	86.55	108.86	175.84	171.84	176.18	196.56	217.07	268.56	372.83
METALLURGICAL COAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER COAL	.34	.33	.31	.36	.73	.78	.70	.82	3.26	3.02	7.86
NATURAL GAS (DRY)	7.05	7.12	7.68	8.16	9.05	9.68	9.34	10.94	21.46	19.83	35.08
TOTAL PETROLEUM	29.72	32.87	35.88	49.32	88.62	92.41	95.34	106.84	104.52	142.66	207.65
ASPHALT	2.26	3.06	2.80	2.37	5.55	7.64	5.96	3.72	3.06	7.03	8.32
DISTILLATE FUEL	3.59	3.96	3.93	4.60	9.65	13.40	13.21	17.24	14.05	15.42	21.18
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KEROSENE	.10	.06	.17	.12	.42	.43	.51	.32	.27	.41	.64
LPG	2.08	2.19	2.56	3.19	5.92	8.88	8.80	8.84	13.58	12.10	16.50
LUBRICANTS	1.52	1.48	1.60	1.69	2.30	1.73	1.92	4.48	4.90	6.43	6.69
MOTOR GASOLINE	1.39	1.44	1.49	1.20	2.06	1.51	1.40	1.29	1.22	1.70	1.82
RESIDUAL FUEL	8.37	9.98	12.47	20.85	30.15	22.66	24.45	29.24	22.37	38.27	50.26
ROAD OIL	.00	.00	.00	.00	.01	*	*	.00	.00	.00	.00
OTHER PETROLEUM PRODUCTS	10.43	10.71	10.87	15.30	32.56	36.17	39.09	41.70	45.07	61.32	102.24
ELECTRICITY	26.81	32.08	42.68	51.02	77.44	68.97	70.81	77.97	87.83	103.04	122.25
TRANSPORTATION SECTOR											
TOTAL ENERGY	109.70	113.61	121.84	136.66	188.86	205.52	219.54	234.29	240.47	327.39	463.98
OTHER COAL	*	*	*	*	*	*	*	*	.00	.00	.00
NATURAL GAS (DRY)	.00	.00	.00	.00	.00	.00	.00	.00	.01	*	.00
TOTAL PETROLEUM	109.70	113.61	121.84	136.66	188.86	205.52	219.54	234.29	240.47	327.39	463.98
AVIATION GASOLINE	3.29	2.90	2.70	2.41	4.07	2.40	2.06	2.63	2.58	2.48	4.16
DISTILLATE FUEL	2.77	3.48	2.45	4.08	7.86	8.08	10.85	13.53	14.46	24.01	42.71
JET FUEL	7.32	7.47	6.98	7.55	13.17	16.18	17.22	21.48	23.10	32.57	56.43
LPG	.03	.04	.05	.05	.10	.19	.18	.19	.27	.24	.33
LUBRICANTS	2.44	2.54	2.75	2.35	3.21	2.92	3.24	3.79	4.14	5.44	5.66
MOTOR GASOLINE	92.10	95.52	103.50	114.80	148.40	166.16	175.61	182.98	187.77	253.46	335.91
RESIDUAL FUEL	1.76	1.66	3.41	5.41	12.04	9.59	10.38	9.70	8.15	9.19	18.78
ELECTRICITY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRIC UTILITIES											
TOTAL ENERGY	27.56	34.11	36.17	49.91	129.66	110.35	108.33	128.81	141.82	196.23	240.81
OTHER COAL	14.16	18.63	12.28	11.69	22.94	26.38	19.70	19.20	24.78	29.25	36.06
NATURAL GAS (DRY)	1.42	1.90	1.18	1.62	1.63	1.84	2.60	2.47	2.82	14.77	24.56
TOTAL PETROLEUM	11.98	13.59	22.70	36.60	105.09	82.14	86.02	107.15	114.23	152.20	180.19
DISTILLATE FUEL	1.03	.81	.44	2.82	4.31	5.27	2.97	8.63	12.80	6.43	6.99
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PETROLEUM COKE	6.50	6.02	4.87	3.74	3.49	1.70	2.44	3.11	3.68	7.58	12.24
RESIDUAL FUEL	4.45	6.75	17.40	30.04	97.28	75.17	80.61	95.40	97.74	138.19	160.96
NUCLEAR POWER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WOOD AND WASTE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

* LESS THAN .005.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE TO THE INDUSTRIAL SECTOR BY STATE.

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE EXPENDITURES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL SINCE THERE ARE NO ASSOCIATED FUEL COSTS FOR THESE ENERGY SOURCES.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MEXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: COAL INCLUDES ANTHRACITE, BITUMINOUS, AND LIGNITE EXCEPT IN THE TRANSPORTATION SECTOR WHICH DOES NOT CONSUME ANTHRACITE.

NOTE: RESIDENTIAL, COMMERCIAL, INDUSTRIAL, AND TRANSPORTATION EXPENDITURES EXCLUDE ENERGY EXPENDITURES FOR WOOD AND WOOD WASTE.

NOTE: EXPENDITURES ON NET IMPORTS OF COAL COKE ARE NOT DISTRIBUTED BY STATE; THEREFORE, THE SUM OF THE TOTAL EXPENDITURES BY STATE WILL NOT EQUAL THE TOTAL U.S. EXPENDITURE.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, THE ENERGY, PRICE, AND EXPENDITURES DATA SYSTEM (EPEDS)

Table 27. Average Annual Fuel Prices by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Delaware (Dollars per Million Btu)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
ALL FUELS	2.3522	2.5035	2.7565	3.2492	4.4092	5.1619	5.3036	6.2530	6.9550	7.9607	10.0272
OTHER COAL	.4240	1.1538	1.3462	1.5485	2.2699	2.7265	1.7480	2.6700	2.9600	2.8971	3.2150
NATURAL GAS	1.5373	1.5781	1.6765	1.8163	2.0687	2.3783	2.5453	3.1544	3.9382	3.9036	4.1550
TOTAL PETROLEUM	1.4680	1.4855	1.5278	1.8397	2.7447	2.9791	3.1577	3.4784	3.9177	5.0108	7.4358
DISTILLATE FUEL	1.3704	1.4035	1.4072	1.6545	2.5905	2.6932	2.9066	3.3131	3.5751	4.7346	7.0183
KEROSENE	1.3432	1.4364	1.5212	1.9034	2.9326	3.3659	3.2814	3.8563	4.0975	5.5333	8.5595
LPG	2.3712	2.2235	2.5254	3.3220	3.7888	4.7276	4.8713	4.6100	6.5900	6.1100	8.5300
ELECTRICITY	7.5218	8.1074	9.3634	9.7866	13.0980	13.9133	14.2888	16.2594	16.6419	18.0797	20.8605
COMMERCIAL SECTOR											
ALL FUELS	1.5804	1.8100	2.0711	2.3123	3.8901	4.4955	4.4604	5.4340	6.0675	6.8412	7.0731
OTHER COAL	.3321	.4131	.4296	.4214	1.0916	1.1584	1.0877	1.1470	1.1161	1.4928	1.5753
NATURAL GAS	1.2076	1.2329	1.3285	1.3589	1.5979	1.8639	1.9274	2.8612	3.7355	3.6302	3.9085
TOTAL PETROLEUM	.7265	.8447	.8748	1.0050	2.0836	2.1500	2.1733	2.5193	2.5406	3.5709	5.1244
DISTILLATE FUEL	1.1176	1.1412	1.1407	1.3310	2.2677	2.4090	2.6018	3.0050	3.1917	4.3927	6.4193
KEROSENE	.8482	.8613	.8562	.9852	2.1599	2.3630	2.5542	2.9386	3.1200	4.4970	6.6116
LPG	1.4427	1.4855	1.4983	1.6091	2.8259	3.6689	3.8361	3.8963	4.9452	3.8987	5.7533
MOTOR GASOLINE	2.8594	2.9174	2.9753	3.1006	4.1033	4.5360	4.5800	4.8071	4.9352	6.9778	9.7882
RESIDUAL FUEL	.5164	.6734	.7197	.8589	1.9258	1.9079	1.8363	2.2258	2.1002	3.2297	4.8979
ELECTRICITY	6.5430	7.0846	8.0484	8.7207	11.8194	12.7238	13.1748	16.1487	16.6825	18.0996	20.8874
INDUSTRIAL SECTOR											
ALL FUELS	1.0098	1.1710	1.3588	1.4983	2.7736	3.0095	3.1040	3.6760	3.8368	4.4340	5.8617
METALLURGICAL COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
OTHER COAL	.3321	.4131	.4296	.4214	1.0916	1.1584	1.0877	1.1470	1.1161	1.4928	1.5753
NATURAL GAS	.5684	.6110	.7412	.7971	.9902	1.3646	1.4255	2.3999	2.4347	1.9463	2.7095
TOTAL PETROLEUM	.7206	.8028	.8245	.9472	2.0089	2.2053	2.2829	2.6416	2.8576	3.6122	5.5597
ASPHALT	.6575	.7042	.7523	.7878	1.3382	1.7610	1.7915	1.9658	2.1928	2.5676	3.5844
DISTILLATE FUEL	.7760	.7880	.7833	.9013	1.9760	2.1854	2.3554	2.6901	2.8395	3.9282	5.9322
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
KEROSENE	.8482	.8613	.8562	.9852	2.1599	2.3630	2.5542	2.9386	3.1200	4.4970	6.6116
LPG	1.4427	1.4855	1.4983	1.6091	2.8259	3.6689	3.8361	3.8963	4.9452	3.8987	5.7533
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.8594	2.9174	2.9753	3.1006	4.1033	4.5360	4.5800	4.8071	4.9352	6.9778	9.7882
RESIDUAL FUEL	.5050	.6585	.7038	.8399	1.8832	1.8657	1.8164	2.1600	2.0805	2.9012	4.4121
ROAD OIL	.0000	.0000	.0000	.0000	1.6516	1.8756	1.9155	.0000	.0000	.0000	.0000
OTHER PETROLEUM PRODUCTS	.7282	.7576	.7551	.9355	2.0341	2.2361	2.3887	2.6898	2.8327	3.9074	6.2121
ELECTRICITY	3.1088	3.8004	4.6895	5.3757	8.1723	9.2878	9.0720	10.0502	10.6244	11.6290	14.6897
TRANSPORTATION SECTOR											
ALL FUELS	2.2296	2.3389	2.3414	2.4496	3.3953	3.8214	3.8690	4.1997	4.3522	6.2413	8.6359
OTHER COAL	.3321	.4131	.4296	.4214	1.0916	1.1584	1.0877	1.1470	.0000	.0000	.0000
NATURAL GAS	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	1.9401	1.2928	.0000
TOTAL PETROLEUM	2.2297	2.3389	2.3414	2.4496	3.3953	3.8214	3.8690	4.1997	4.3524	6.2416	8.6359
AVIATION GASOLINE	3.4553	3.5236	3.4986	3.7615	5.2408	5.6360	5.8299	6.4522	7.0471	9.2353	13.7282
DISTILLATE FUEL	1.2331	1.3250	1.3635	1.7642	2.7550	2.7849	2.9813	3.4999	3.6777	5.4377	7.6465
JET FUEL	.7993	.8400	.8370	.9933	1.7119	2.2326	2.3722	2.8019	3.1058	4.3364	7.0906
LPG	1.4427	1.4855	1.4983	1.6091	2.8259	3.6689	3.8361	3.8963	4.9452	3.8987	5.7533
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.8594	2.9174	2.9753	3.1006	4.1033	4.5360	4.5800	4.8071	4.9352	6.9778	9.7882
RESIDUAL FUEL	.4181	.5453	.5828	.6954	1.5594	1.5435	1.5367	1.8131	1.6297	2.6736	3.6691
ELECTRICITY	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
ELECTRIC UTILITIES											
ALL FUELS	.4667	.5909	.6335	.7656	1.7370	1.6715	1.6103	1.9051	1.8664	2.6580	3.3283
OTHER COAL	.3910	.5190	.5390	.5788	1.1138	1.1880	1.0094	1.1299	1.3003	1.3332	1.5368
NATURAL GAS	.3676	.4627	.4745	.6842	1.7892	1.0544	1.1084	1.8575	1.8340	2.7775	3.3936
TOTAL PETROLEUM	.6314	.7662	.7136	.8586	1.9777	1.9522	1.8947	2.1735	2.0621	3.2687	4.3263
DISTILLATE FUEL	.5696	.8316	.8303	1.6580	2.0687	2.1809	2.3735	2.4828	2.4588	3.9582	6.2140
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
PETROLEUM COKE	.8700	.9100	.9500	1.0000	1.0900	1.1900	1.2500	1.3200	1.4200	2.9000	4.3200
RESIDUAL FUEL	.4590	.6660	.6650	.8078	2.0331	1.9662	1.9103	2.1951	2.0537	3.2650	4.2705
NUCLEAR POWER	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
WOOD AND WASTE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE PRICES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: THE FOLLOWING FUEL SECTOR PRICES HAVE BEEN SUBSTITUTED (SEE THE DOCUMENTATION FOR THE DETAILS), COAL COMMERCIAL = COAL INDUSTRIAL, KEROSENE COMMERCIAL = KEROSENE INDUSTRIAL, LPG COMMERCIAL = LPG INDUSTRIAL, MOTOR GASOLINE COMMERCIAL = MOTOR GASOLINE TRANSPORTATION; JET FUEL INDUSTRIAL = JET FUEL TRANSPORTATION, MOTOR GASOLINE INDUSTRIAL = MOTOR GASOLINE TRANSPORTATION, OTHER PETROLEUM PRODUCTS INDUSTRIAL = DISTILLATE INDUSTRIAL UNITED STATES; COAL TRANSPORTATION = COAL INDUSTRIAL, LPG TRANSPORTATION = LPG INDUSTRIAL, LUBRICANTS TRANSPORTATION = LUBRICANTS INDUSTRIAL.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 28. Fuel Expenditures and Electricity Sales by Fuel Type, 1970-1980: District of Columbia (Million Dollars)

ENERGY EXPENDITURES ALL SECTORS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
COAL											
METALLURGICAL COAL	0	0	0	0	0	0	0	0	0	0	0
OTHER COAL	4	4	4	4	8	10	6	4	3	5	7
(INCLUDING ELECTRICITY GENERATION)	11	8	7	9	22	15	6	4	3	5	7
TOTAL COAL	4	4	4	4	8	10	6	4	3	5	7
(INCLUDING ELECTRICITY GENERATION)	11	8	7	9	22	15	6	4	3	5	7
NATURAL GAS											
TOTAL NATURAL GAS	34	36	41	41	45	56	76	85	86	108	117
(INCLUDING ELECTRICITY GENERATION)	34	36	41	41	45	56	76	85	86	108	117
PETROLEUM PRODUCTS											
ASPHALT AND ROAD OIL	*	*	*	*	*	*	*	*	*	*	*
AVIATION GASOLINE	*	*	*	*	*	*	*	*	*	*	*
DISTILLATE FUEL OIL	28	24	23	29	47	46	54	65	61	73	91
(INCLUDING ELECTRICITY GENERATION)	31	27	24	30	50	47	61	74	105	112	130
JET FUEL	*	*	*	*	*	*	*	*	*	*	13
(INCLUDING ELECTRICITY GENERATION)	*	*	*	*	*	*	*	*	*	*	13
KEROSENE	*	1	*	*	1	2	2	5	5	9	12
LIQUEFIED PETROLEUM GASES	*	*	*	*	*	*	*	*	*	*	*
LUBRICANTS	2	2	2	2	3	3	4	4	4	5	5
MOTOR GASOLINE	85	87	89	98	134	146	146	147	147	168	203
RESIDUAL FUEL	35	42	35	39	53	33	24	25	27	5	5
(INCLUDING ELECTRICITY GENERATION)	43	55	54	65	97	59	49	71	36	17	13
ALL OTHER PETROLEUM PRODUCTS	0	0	0	0	0	0	0	0	0	0	0
(INCLUDING ELECTRICITY GENERATION)	0	0	0	0	0	0	0	0	0	0	0
TOTAL PETROLEUM	151	156	149	168	238	230	231	247	244	260	330
(INCLUDING ELECTRICITY GENERATION)	162	172	170	196	286	258	262	301	297	311	377
NUCLEAR POWER, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
WOOD AND WASTE, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
ELECTRICITY SALES	103	116	118	144	200	241	234	263	289	306	378
TOTAL (INCLUDING ELECTRICITY SALES, EXCLUDING ELECTRICITY GENERATION)	292	312	313	357	492	538	546	600	621	678	832
TOTAL (EXCLUDING ELECTRICITY SALES, INCLUDING ELECTRICITY GENERATION)	207	216	218	245	353	329	344	390	386	423	502

* LESS THAN .5.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: THERE ARE NO PURCHASED FUEL EXPENDITURES FOR ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: DATA FOR 1980 DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.

NOTE: THE "ALL OTHER PETROLEUM PRODUCTS" CATEGORY INCLUDES NATURAL GASOLINE, UNFRACTIONATED STREAM, PLANT CONDENSATE, PETRO CHEMICAL FEEDSTOCKS, SPECIAL NAPHTHAS, PETROLEUM COKE (NOT CONSUMED IN ELECTRIC UTILITIES), STILL GAS, WAX, AND MISCELLANEOUS PRODUCTS. THE "(INCLUDING ELECTRICITY GENERATION)" CATEGORY INCLUDES PETROLEUM COKE FUEL EXPENDITURES FOR ELECTRIC UTILITIES.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE; THEREFORE, THE SUM OF ALL STATES WILL NOT EQUAL TOTAL U.S.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 29. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: District of Columbia (Million Dollars)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
TOTAL ENERGY	73.50	76.00	79.76	92.57	116.85	136.13	139.44	153.90	166.48	173.97	228.58
OTHER COAL	.18	.38	.38	.39	.80	.28	.46	.07	.00	.00	3.18
NATURAL GAS (DRY)	20.43	21.42	23.73	23.45	25.47	30.96	37.03	40.83	44.03	48.57	61.13
TOTAL PETROLEUM	13.12	10.77	10.54	12.82	18.66	17.93	19.89	21.90	23.15	23.03	32.39
DISTILLATE FUEL	12.94	10.29	10.38	12.64	18.50	17.77	19.78	21.79	23.05	22.92	32.10
KEROSENE	.17	.46	.15	.16	.14	.14	.08	.08	.07	.06	.24
LPG	.01	.01	.01	.02	.02	.02	.03	.03	.03	.05	.05
ELECTRICITY	39.76	43.44	45.11	55.91	71.92	86.96	82.05	91.10	99.30	102.37	131.88
COMMERCIAL SECTOR											
TOTAL ENERGY	77.63	85.98	85.34	96.87	127.51	140.21	153.14	168.63	172.75	185.74	212.07
OTHER COAL	.25	.24	.20	.24	.93	.39	.45	.02	.00	.00	2.85
NATURAL GAS (DRY)	13.17	14.83	16.94	16.97	19.42	24.69	37.74	42.72	40.98	57.92	54.78
TOTAL PETROLEUM	30.86	33.39	29.15	32.10	42.80	32.69	28.01	30.43	32.37	22.14	28.47
DISTILLATE FUEL	8.51	6.75	6.78	8.20	13.05	12.81	14.28	15.94	16.59	17.14	24.81
KEROSENE	.08	.17	.06	.07	.07	.06	.04	.03	.03	.03	.04
LPG	*	*	*	*	*	*	*	*	*	*	.01
MOTOR GASOLINE	.97	1.19	1.33	1.27	1.84	1.99	2.06	2.12	2.06	2.54	2.10
RESIDUAL FUEL	21.30	25.28	20.98	22.56	27.83	17.83	11.64	12.34	13.69	2.42	1.52
ELECTRICITY	33.35	37.52	39.04	47.56	64.36	82.44	86.93	95.47	99.39	105.67	125.96
INDUSTRIAL SECTOR											
TOTAL ENERGY	49.42	56.10	51.95	58.84	89.66	95.05	81.02	96.29	104.96	112.78	135.42
METALLURGICAL COAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER COAL	3.75	3.50	3.56	3.74	6.74	9.67	5.11	4.29	2.52	4.54	.90
NATURAL GAS (DRY)	.20	.23	.30	.31	.45	.39	.78	.97	.98	1.57	1.37
TOTAL PETROLEUM	16.48	19.04	15.11	16.02	21.15	16.20	12.68	16.89	17.02	17.32	22.36
ASPHALT	.08	.09	.10	.13	.21	.23	.25	.28	.34	.36	.38
DISTILLATE FUEL	2.67	2.51	1.59	1.44	2.24	2.20	2.13	2.93	2.49	6.05	7.75
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KEROSENE	.11	.17	.10	.09	.87	1.56	1.77	5.35	4.77	8.83	11.53
LPG	.01	.01	.02	.02	.03	.03	.03	.04	.06	.05	.07
LUBRICANTS	.10	.00	.00	.03	.04	.79	.88	.43	.47	.61	.64
MOTOR GASOLINE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RESIDUAL FUEL	13.52	16.26	13.31	14.32	17.76	11.38	7.61	7.86	8.89	1.41	1.99
ROAD OIL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER PETROLEUM PRODUCTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRICITY	28.99	33.33	32.98	38.77	61.32	68.79	62.46	74.14	84.44	89.35	110.79
TRANSPORTATION SECTOR											
TOTAL ENERGY	91.17	94.16	95.99	108.97	158.10	166.67	172.74	180.70	176.70	205.66	255.54
OTHER COAL	.01	*	*	*	*	*	*	*	.00	.00	.00
NATURAL GAS (DRY)	*	.01	.01	.01	.01	.01	.01	.02	.02	.03	.08
TOTAL PETROLEUM	90.14	92.94	94.62	107.39	155.49	163.55	169.98	178.02	171.29	197.19	246.35
AVIATION GASOLINE	*	*	*	*	*	*	*	*	*	*	*
DISTILLATE FUEL	3.74	4.79	4.27	6.99	13.12	12.98	18.27	24.38	18.38	26.71	25.94
JET FUEL	*	.01	.02	.01	.01	.01	.02	.02	.03	.10	13.30
LPG	*	*	*	*	*	*	*	*	*	*	.01
LUBRICANTS	1.94	1.96	2.12	1.91	2.61	2.63	2.91	3.20	3.50	4.59	4.78
MOTOR GASOLINE	84.42	86.16	87.79	96.61	132.60	144.45	144.10	145.19	144.79	165.01	201.15
RESIDUAL FUEL	.02	.01	.42	1.87	7.16	3.48	4.68	5.22	4.58	.77	1.18
ELECTRICITY	1.02	1.22	1.36	1.57	2.60	3.12	2.74	2.66	5.40	8.44	9.10
ELECTRIC UTILITIES											
TOTAL ENERGY	18.18	19.47	23.35	31.67	61.37	32.07	31.81	54.11	53.52	51.02	47.77
OTHER COAL	6.82	3.81	2.50	4.34	13.81	4.17	.00	.00	.00	.00	.00
NATURAL GAS (DRY)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL PETROLEUM	11.37	15.66	20.84	27.33	47.56	27.90	31.81	54.11	53.52	51.02	47.77
DISTILLATE FUEL	3.30	2.60	1.17	1.16	3.47	1.46	6.42	8.55	44.80	38.98	39.69
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PETROLEUM COKE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RESIDUAL FUEL	8.07	13.06	19.67	26.17	44.10	26.45	25.39	45.55	8.73	12.04	8.08
NUCLEAR POWER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WOOD AND WASTE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

* LESS THAN .005.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE TO THE INDUSTRIAL SECTOR BY STATE.

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE EXPENDITURES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL SINCE THERE ARE NO ASSOCIATED FUEL COSTS FOR THESE ENERGY SOURCES.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MEXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: COAL INCLUDES ANTHRACITE, BITUMINOUS, AND LIGNITE EXCEPT IN THE TRANSPORTATION SECTOR WHICH DOES NOT CONSUME ANTHRACITE.

NOTE: RESIDENTIAL, COMMERCIAL, INDUSTRIAL, AND TRANSPORTATION EXPENDITURES EXCLUDE ENERGY EXPENDITURES FOR WOOD AND WOOD WASTE.

NOTE: EXPENDITURES ON NET IMPORTS OF COAL COKE ARE NOT DISTRIBUTED BY STATE; THEREFORE, THE SUM OF THE TOTAL EXPENDITURES BY STATE WILL NOT EQUAL THE TOTAL U.S. EXPENDITURE.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, THE ENERGY, PRICE, AND EXPENDITURES DATA SYSTEM (EPEDS)

Table 30. Average Annual Fuel Prices by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: District of Columbia (Dollars per Million Btu)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
ALL FUELS	2.4639	2.6971	2.8305	3.2278	4.3094	5.0908	5.0230	5.8969	6.2454	6.9479	8.6780
OTHER COAL	.4240	1.1538	1.3461	1.3889	2.2699	1.7480	1.7480	2.6700	.0000	.0000	3.2150
NATURAL GAS	1.4269	1.4819	1.6220	1.6582	1.8731	2.3026	2.5988	3.2283	3.2480	3.6024	4.5602
TOTAL PETROLEUM	1.3724	1.4186	1.4111	1.6586	2.5936	2.6988	2.9095	3.3159	3.5781	4.7408	7.3975
DISTILLATE FUEL	1.3704	1.4035	1.4072	1.6545	2.5905	2.6932	2.9066	3.3131	3.5751	4.7346	7.3868
KEROSENE	1.5020	1.8349	1.6814	1.9034	2.9411	3.3659	3.2814	3.8563	4.0975	5.5333	8.5595
LPG	2.3712	2.7450	2.4461	3.6941	3.6917	4.5911	4.7328	4.7318	5.6032	8.4700	9.9700
ELECTRICITY	7.1995	7.4751	7.7797	8.5702	12.0449	13.3977	12.8045	13.3564	14.9778	15.2836	17.4261
COMMERCIAL SECTOR											
ALL FUELS	1.3394	1.5696	1.7463	2.0641	3.3572	4.3792	4.7844	5.5779	6.0218	6.8242	8.1883
OTHER COAL	.3468	.4278	.4443	.5072	1.5122	1.4303	.9867	1.0377	.0000	.0000	1.5526
NATURAL GAS	1.0978	1.1321	1.2109	1.2494	1.4204	1.9741	2.5988	3.2283	3.2480	3.6024	4.2077
TOTAL PETROLEUM	.7737	.9420	1.0162	1.2057	2.3666	2.6062	2.6704	2.8821	3.2965	4.6256	6.7767
DISTILLATE FUEL	1.1176	1.1412	1.1407	1.3310	2.2677	2.4090	2.6018	3.0050	3.1917	4.3927	6.6124
KEROSENE	1.3287	1.3492	1.3412	1.5433	2.7141	2.7895	2.9770	3.5387	3.3218	5.2810	7.7642
LPG	1.4253	1.4676	1.4803	1.5896	2.7918	3.3669	3.6286	3.8493	4.8422	3.8987	5.6838
MOTOR GASOLINE	2.8581	2.9305	3.0105	3.1181	4.4909	4.8495	5.0586	5.3777	5.4560	7.0199	9.9703
RESIDUAL FUEL	.6684	.8718	.9427	1.1275	2.3405	2.6245	2.5396	2.5438	3.2322	4.7001	6.5175
ELECTRICITY	6.2318	6.6149	6.8065	7.6057	11.4784	12.3144	13.2944	14.8611	15.9068	16.6362	18.4114
INDUSTRIAL SECTOR											
ALL FUELS	1.1893	1.4830	1.6200	1.9459	4.1911	4.6595	4.4648	5.0817	6.5203	6.8878	9.9238
METALLURGICAL COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
OTHER COAL	.3468	.4278	.4443	.5072	1.5122	1.4303	.9867	1.0377	1.1851	1.5259	1.5526
NATURAL GAS	.4369	.4598	.4794	.4973	.7585	.8771	1.7490	2.5000	2.7362	2.5984	2.4486
TOTAL PETROLEUM	.7137	.8914	.9479	1.1256	2.3122	2.6684	2.7311	2.9139	3.2408	4.5108	7.2159
ASPHALT	.6741	.7230	.7724	.8150	1.3998	1.7953	1.8167	1.9755	2.1939	2.5753	3.5755
DISTILLATE FUEL	1.2155	1.2343	1.2270	1.4119	2.4830	2.5799	2.7452	3.2395	3.0232	3.7119	6.9664
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
KEROSENE	1.3287	1.3492	1.3412	1.5433	2.7141	2.7895	2.9770	3.5387	3.3218	5.2810	7.7642
LPG	1.4253	1.4676	1.4803	1.5896	2.7918	3.3669	3.6286	3.8493	4.8422	3.8987	5.6838
LUBRICANTS	6.0300	.0000	.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
RESIDUAL FUEL	.6536	.8525	.9219	1.1026	2.2888	2.5666	2.5121	2.4686	3.2018	4.2220	5.8710
ROAD OIL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
OTHER PETROLEUM PRODUCTS	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
ELECTRICITY	4.0298	4.2825	4.4056	4.8415	8.5197	9.6551	7.9217	8.5901	10.0977	9.9797	11.7771
TRANSPORTATION SECTOR											
ALL FUELS	2.7517	2.8056	2.8341	2.8025	3.9509	4.4565	4.5047	4.8037	5.0005	6.8591	9.4939
OTHER COAL	.3468	.4278	.4443	.5072	1.5122	1.4303	.9867	1.0377	.0000	.0000	.0000
NATURAL GAS	.2093	.2394	.2530	.2746	.2999	.4158	.5337	.7291	.8570	1.3569	2.0762
TOTAL PETROLEUM	2.7468	2.7950	2.8217	2.7861	3.9217	4.4207	4.4781	4.7811	4.9220	6.7539	9.4206
AVIATION GASOLINE	3.4553	3.5236	3.4986	3.7615	5.2408	5.6360	5.8299	6.4522	7.0471	9.0689	13.4786
DISTILLATE FUEL	1.3056	1.3786	1.3895	1.7443	2.7495	2.7852	2.9814	3.5011	3.6774	5.3577	7.6254
JET FUEL	.7993	.8400	.8370	.9933	1.7119	2.2326	2.3722	2.8019	3.1058	4.3364	7.0906
LPG	1.4253	1.4676	1.4803	1.5896	2.7918	3.3669	3.6286	3.8493	4.8422	3.8987	5.6838
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.8581	2.9305	3.0105	3.1181	4.4909	4.8495	5.0586	5.3777	5.4560	7.0199	9.9703
RESIDUAL FUEL	.2710	.4091	.4503	.5795	1.4199	1.5376	1.5480	1.7777	1.5783	2.4534	3.1745
ELECTRICITY	3.6652	4.3708	4.6335	5.0703	7.5090	8.1779	7.5344	7.3841	10.4403	11.0516	12.5440
ELECTRIC UTILITIES											
ALL FUELS	.4380	.6407	.6551	.7476	1.9573	1.9207	1.9770	2.2578	2.3469	3.6863	5.1359
OTHER COAL	.3910	.5190	.5390	.6359	1.8426	1.4677	.0000	.0000	.0000	.0000	.0000
NATURAL GAS	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
TOTAL PETROLEUM	.4721	.6795	.6725	.7690	1.9933	2.0135	1.9770	2.2578	2.3469	3.6863	5.1359
DISTILLATE FUEL	.4981	.7272	.7261	.8592	1.9251	2.0829	2.2731	2.3958	2.3995	3.8287	5.2897
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
PETROLEUM COKE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
RESIDUAL FUEL	.4622	.6707	.6696	.7655	1.9989	2.0098	1.9140	2.2336	2.1093	3.2902	4.4940
NUCLEAR POWER	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
WOOD AND WASTE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE PRICES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: THE FOLLOWING FUEL SECTOR PRICES HAVE BEEN SUBSTITUTED (SEE THE DOCUMENTATION FOR THE DETAILS), COAL COMMERCIAL = COAL INDUSTRIAL, KEROSENE COMMERCIAL = KEROSENE INDUSTRIAL, LPG COMMERCIAL = LPG INDUSTRIAL, MOTOR GASOLINE COMMERCIAL = MOTOR GASOLINE TRANSPORTATION; JET FUEL INDUSTRIAL = JET FUEL TRANSPORTATION, MOTOR GASOLINE INDUSTRIAL = MOTOR GASOLINE TRANSPORTATION, OTHER PETROLEUM PRODUCTS INDUSTRIAL = DISTILLATE INDUSTRIAL UNITED STATES; COAL TRANSPORTATION = COAL INDUSTRIAL, LPG TRANSPORTATION = LPG INDUSTRIAL, LUBRICANTS TRANSPORTATION = LUBRICANTS INDUSTRIAL.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 31. Fuel Expenditures and Electricity Sales by Fuel Type, 1970-1980: Florida (Million Dollars)

ENERGY EXPENDITURES ALL SECTORS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
COAL											
METALLURGICAL COAL	0	0	0	0	0	0	0	0	0	0	0
OTHER COAL	0	0	0	0	0	*	1	4	10	14	31
(INCLUDING ELECTRICITY GENERATION)	36	40	53	82	151	180	154	209	246	298	366
TOTAL COAL	0	0	0	0	0	*	1	4	10	14	31
(INCLUDING ELECTRICITY GENERATION)	36	40	53	82	151	180	154	209	246	298	366
NATURAL GAS											
TOTAL NATURAL GAS	97	104	105	130	148	182	220	259	260	417	450
(INCLUDING ELECTRICITY GENERATION)	169	180	173	207	240	286	326	382	426	635	712
PETROLEUM PRODUCTS											
ASPHALT AND ROAD OIL	18	23	26	31	53	43	41	57	73	83	106
AVIATION GASOLINE	37	32	27	30	43	45	43	41	47	55	83
DISTILLATE FUEL OIL	98	104	110	157	250	270	311	436	502	690	1,085
(INCLUDING ELECTRICITY GENERATION)	99	109	125	175	302	338	386	512	565	813	1,170
JET FUEL	104	121	132	153	222	297	331	426	485	735	1,386
(INCLUDING ELECTRICITY GENERATION)	104	121	133	153	223	297	331	426	485	735	1,386
KEROSENE	27	26	19	18	18	18	30	28	28	38	46
LIQUEFIED PETROLEUM GASES	64	73	80	116	129	146	155	190	178	238	283
LUBRICANTS	40	43	47	54	74	67	75	84	92	120	125
MOTOR GASOLINE	1,125	1,183	1,361	1,592	2,100	2,320	2,493	2,662	3,082	4,085	5,571
RESIDUAL FUEL	24	33	40	57	109	122	167	224	204	415	543
(INCLUDING ELECTRICITY GENERATION)	112	169	243	351	822	908	1,037	1,117	1,110	1,723	2,182
ALL OTHER PETROLEUM PRODUCTS	4	4	5	6	15	18	22	29	30	39	58
(INCLUDING ELECTRICITY GENERATION)	4	4	5	6	15	18	22	29	30	39	58
TOTAL PETROLEUM	1,541	1,643	1,847	2,213	3,013	3,343	3,667	4,177	4,721	6,497	9,288
(INCLUDING ELECTRICITY GENERATION)	1,631	1,784	2,066	2,525	3,778	4,197	4,612	5,145	5,691	7,929	11,012
NUCLEAR POWER, ELECTRICITY GENERATION	0	0	*	8	14	16	18	36	33	42	71
WOOD AND WASTE, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
ELECTRICITY SALES	967	1,098	1,282	1,570	2,068	2,527	2,791	3,129	3,508	3,995	5,075
TOTAL (INCLUDING ELECTRICITY SALES, EXCLUDING ELECTRICITY GENERATION)	2,605	2,844	3,234	3,913	5,228	6,051	6,679	7,569	8,499	10,923	14,843
TOTAL (EXCLUDING ELECTRICITY SALES, INCLUDING ELECTRICITY GENERATION)	1,836	2,004	2,292	2,823	4,182	4,679	5,109	5,771	6,396	8,904	12,161

* LESS THAN .5.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: THERE ARE NO PURCHASED FUEL EXPENDITURES FOR ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: DATA FOR 1980 DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.

NOTE: THE "ALL OTHER PETROLEUM PRODUCTS" CATEGORY INCLUDES NATURAL GASOLINE, UNFRACTIONATED STREAM, PLANT CONDENSATE, PETRO CHEMICAL FEEDSTOCKS, SPECIAL NAPHTHAS, PETROLEUM COKE (NOT CONSUMED IN ELECTRIC UTILITIES), STILL GAS, WAX, AND MISCELLANEOUS PRODUCTS. THE "(INCLUDING ELECTRICITY GENERATION)" CATEGORY INCLUDES PETROLEUM COKE FUEL EXPENDITURES FOR ELECTRIC UTILITIES.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE; THEREFORE, THE SUM OF ALL STATES WILL NOT EQUAL TOTAL U.S.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 32. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Florida (Million Dollars)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
TOTAL ENERGY	630.15	706.37	803.77	1,004.29	1,245.00	1,485.42	1,637.97	1,873.16	2,083.91	2,337.62	2,967.56
OTHER COAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.29
NATURAL GAS (DRY)	36.47	33.15	33.66	43.06	41.39	40.74	46.37	62.70	74.26	63.61	71.49
TOTAL PETROLEUM	82.16	91.66	91.44	126.18	135.03	150.76	169.30	202.91	192.34	239.66	308.11
DISTILLATE FUEL	7.63	8.65	8.02	9.43	14.08	16.35	19.70	22.98	25.32	27.97	48.59
KEROSENE	22.29	21.47	15.61	15.06	15.26	13.44	24.08	24.04	24.02	32.44	39.21
LPG	52.23	61.54	67.81	101.70	105.69	120.97	125.52	155.88	143.00	179.25	220.30
ELECTRICITY	511.52	581.56	678.66	835.05	1,068.58	1,293.92	1,422.30	1,607.55	1,817.31	2,034.34	2,587.68
COMMERCIAL SECTOR											
TOTAL ENERGY	407.61	466.65	527.06	639.67	885.67	1,020.87	1,118.19	1,266.56	1,342.31	1,604.29	1,922.78
OTHER COAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.26
NATURAL GAS (DRY)	24.61	26.72	27.61	30.73	36.33	52.74	66.79	80.81	69.77	98.35	101.94
TOTAL PETROLEUM	41.81	45.46	41.19	45.65	69.00	80.39	96.02	115.50	119.47	168.49	197.46
DISTILLATE FUEL	12.92	14.35	13.24	15.78	25.16	29.21	35.22	41.71	45.06	53.09	71.03
KEROSENE	.46	.49	.36	.31	.63	.54	.95	.97	.99	1.41	1.10
LPG	4.94	4.78	5.04	5.79	8.53	8.71	10.31	11.37	12.02	19.81	21.40
MOTOR GASOLINE	20.39	21.40	16.62	15.59	18.86	23.94	25.83	28.19	32.41	47.94	68.32
RESIDUAL FUEL	3.09	4.45	5.93	8.18	15.82	18.00	23.70	33.27	28.99	46.24	35.60
ELECTRICITY	341.19	394.48	458.26	563.29	780.34	887.74	955.38	1,070.25	1,153.07	1,337.45	1,623.12
INDUSTRIAL SECTOR											
TOTAL ENERGY	231.38	262.67	295.37	362.52	542.92	687.52	821.78	956.70	1,064.48	1,414.27	1,986.50
METALLURGICAL COAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER COAL	.00	.00	.00	.00	.00	.24	.53	4.27	10.35	13.67	30.87
NATURAL GAS (DRY)	35.53	42.78	42.91	55.23	68.79	87.57	106.43	115.03	114.54	249.47	269.89
TOTAL PETROLEUM	81.83	98.35	107.64	135.63	254.78	254.66	301.88	386.38	401.74	527.53	821.89
ASPHALT	17.98	23.16	25.75	31.10	52.85	43.29	41.16	57.45	72.69	83.01	106.42
DISTILLATE FUEL	14.65	16.14	16.29	19.93	56.28	59.00	63.87	84.53	94.53	110.57	255.94
JET FUEL	.00	.00	.00	.00	.00	.18	.07	.06	.00	.00	.00
KEROSENE	3.85	3.80	3.14	2.22	2.19	1.56	4.57	2.55	3.10	4.27	5.91
LPG	6.24	5.96	7.09	8.21	13.85	15.22	18.36	21.67	22.66	37.35	40.35
LUBRICANTS	15.35	18.79	20.32	27.52	37.56	32.16	35.65	35.96	39.33	51.60	53.68
MOTOR GASOLINE	2.98	1.76	1.69	1.65	2.10	2.13	2.20	2.16	2.20	2.55	4.41
RESIDUAL FUEL	16.80	24.43	28.71	39.23	74.91	83.45	114.12	153.42	136.78	199.33	297.09
ROAD OIL	.03	.01	.01	.01	.34	.02	.03	.03	.02	.01	*
OTHER PETROLEUM PRODUCTS	3.96	4.29	4.63	5.75	14.70	17.67	21.85	28.53	30.44	38.84	58.08
ELECTRICITY	114.01	121.54	144.82	171.66	219.35	345.06	412.94	451.02	537.85	623.60	863.85
TRANSPORTATION SECTOR											
TOTAL ENERGY	1,335.65	1,408.39	1,607.51	1,906.18	2,554.72	2,857.51	3,100.64	3,472.52	4,008.71	5,566.92	7,966.56
OTHER COAL	.00	.00	.00	.00	.00	*	*	*	.00	.00	.00
NATURAL GAS (DRY)	.85	.86	.97	.97	1.03	.82	.90	.62	.94	5.16	6.39
TOTAL PETROLEUM	1,334.79	1,407.53	1,606.54	1,905.21	2,553.69	2,856.69	3,099.74	3,471.90	4,007.77	5,561.76	7,960.18
AVIATION GASOLINE	37.43	32.33	27.12	29.56	42.82	44.62	42.59	40.97	47.17	54.55	83.12
DISTILLATE FUEL	62.36	64.96	72.60	111.80	154.92	165.39	192.45	286.91	336.70	498.52	709.85
JET FUEL	104.48	121.30	132.19	152.97	222.40	296.47	330.83	425.56	485.27	734.99	1,386.44
LPG	.43	.39	.43	.46	.74	.64	.68	.69	.70	1.16	1.25
LUBRICANTS	24.47	24.55	26.55	26.54	36.22	35.28	39.11	47.91	52.40	68.75	71.52
MOTOR GASOLINE	1,101.79	1,159.73	1,342.77	1,574.70	2,078.72	2,293.57	2,465.28	2,632.07	3,047.28	4,034.80	5,498.15
RESIDUAL FUEL	3.83	4.27	4.87	9.18	17.86	20.71	28.80	37.80	38.25	168.99	209.84
ELECTRICITY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRIC UTILITIES											
TOTAL ENERGY	197.53	257.40	340.02	479.90	1,022.43	1,154.07	1,221.31	1,331.21	1,405.23	1,975.95	2,392.06
OTHER COAL	35.84	39.59	52.53	82.19	151.28	179.39	153.49	204.91	235.93	283.92	334.39
NATURAL GAS (DRY)	71.43	76.96	67.92	76.71	92.30	104.26	105.25	122.42	166.80	218.79	262.71
TOTAL PETROLEUM	90.26	140.85	219.29	312.80	765.15	854.60	944.85	968.24	969.30	1,431.22	1,724.00
DISTILLATE FUEL	1.63	4.51	15.11	18.03	51.40	68.03	74.53	76.20	63.24	122.70	84.85
JET FUEL	.00	.00	.63	.49	.53	.35	.00	.00	.00	.00	.00
PETROLEUM COKE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RESIDUAL FUEL	88.63	136.33	203.56	294.28	713.22	786.22	870.32	892.04	906.06	1,308.53	1,639.15
NUCLEAR POWER	.00	.00	.28	8.19	13.71	15.82	17.73	35.64	33.20	42.02	70.96
WOOD AND WASTE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

* LESS THAN .005.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE TO THE INDUSTRIAL SECTOR BY STATE.

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE EXPENDITURES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL SINCE THERE ARE NO ASSOCIATED FUEL COSTS FOR THESE ENERGY SOURCES.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MEXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: COAL INCLUDES ANTHRACITE, BITUMINOUS, AND LIGNITE EXCEPT IN THE TRANSPORTATION SECTOR WHICH DOES NOT CONSUME ANTHRACITE.

NOTE: RESIDENTIAL, COMMERCIAL, INDUSTRIAL, AND TRANSPORTATION EXPENDITURES EXCLUDE ENERGY EXPENDITURES FOR WOOD AND WOOD WASTE.

NOTE: EXPENDITURES ON NET IMPORTS OF COAL COKE ARE NOT DISTRIBUTED BY STATE; THEREFORE, THE SUM OF THE TOTAL EXPENDITURES BY STATE WILL NOT EQUAL THE TOTAL U.S. EXPENDITURE.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, THE ENERGY, PRICE, AND EXPENDITURES DATA SYSTEM (EPEDS)

Table 33. Average Annual Fuel Prices by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Florida (Dollars per Million Btu)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
ALL FUELS	4.4947	4.8172	5.2370	5.7716	7.6607	9.0798	9.3936	10.0379	10.5289	11.8910	14.7641
OTHER COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	3.1445
NATURAL GAS	2.4058	2.4278	2.5533	2.5906	2.7325	2.6260	2.7021	3.3769	3.3810	3.5670	4.6128
TOTAL PETROLEUM	2.0004	2.2864	2.5108	3.3963	4.4735	5.1117	4.9349	5.7761	5.7975	6.9056	9.4115
DISTILLATE FUEL	1.2984	1.4672	1.4855	1.4761	2.4902	2.6237	2.8669	3.2208	3.5009	4.5639	6.8996
KEROSENE	1.6288	1.5981	1.5993	1.8370	2.9617	3.2747	3.5525	4.0514	4.3322	5.8749	8.9349
LPG	2.4288	2.9646	3.1897	4.5062	5.4544	6.3147	6.0767	7.0667	7.0100	7.7750	10.3400
ELECTRICITY	6.0918	6.2606	6.5335	6.9453	9.1187	10.9110	11.5722	12.0947	12.7278	14.1227	16.9491
COMMERCIAL SECTOR											
ALL FUELS	3.5285	3.8705	4.2179	4.6957	6.5496	7.1903	7.0661	7.5833	8.2224	9.6112	12.3545
OTHER COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	1.5560
NATURAL GAS	.8870	1.0171	1.1566	1.2389	1.5750	1.6287	1.6519	1.9232	1.9407	2.6369	3.2983
TOTAL PETROLEUM	1.2689	1.3862	1.2828	1.3158	2.2578	2.5311	2.5769	2.8234	2.9662	4.2143	6.2839
DISTILLATE FUEL	1.0832	1.1993	1.2085	1.2170	2.1920	2.3090	2.5252	2.8803	3.0698	4.2692	6.3614
KEROSENE	.6120	.6605	.6615	.6777	2.2012	2.3760	2.5356	2.9424	3.2143	4.6159	6.9522
LPG	1.3012	1.3037	1.3432	1.4546	2.4941	2.5758	2.8292	2.9205	3.3380	4.8688	5.6917
MOTOR GASOLINE	2.8089	2.7737	2.8756	3.0476	4.0728	4.3898	4.5656	4.7025	5.1786	6.9924	9.7046
RESIDUAL FUEL	.3360	.5107	.5353	.6718	1.4720	1.7908	1.7382	2.0521	1.8786	2.8342	3.8290
ELECTRICITY	6.2232	6.4137	6.6436	7.3416	9.5634	11.4051	11.8603	12.7273	13.2505	14.9203	17.4274
INDUSTRIAL SECTOR											
ALL FUELS	.9191	.9989	1.1252	1.2439	2.0068	2.7008	2.7904	2.9537	3.2141	3.9928	5.4330
METALLURGICAL COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
OTHER COAL	.0000	.0000	.0000	.0000	.0000	.4851	1.0870	1.2863	1.5580	1.4565	1.5560
NATURAL GAS	.3727	.4223	.4745	.5486	.7125	.9574	.9940	1.0798	1.1035	2.0647	2.5952
TOTAL PETROLEUM	.6575	.7680	.7924	.8980	1.8509	2.1720	2.1825	2.4056	2.4827	3.2461	4.6084
ASPHALT	.6659	.7101	.7590	.7981	1.3631	1.7834	1.8016	1.9717	2.1936	2.5745	3.5742
DISTILLATE FUEL	.5599	.6043	.6052	.6200	2.0137	2.1974	2.3382	2.6936	2.9253	3.8186	6.2378
JET FUEL	.0000	.0000	.0000	.0000	.0000	2.2326	2.3722	2.8019	.0000	.0000	.0000
KEROSENE	.6120	.6605	.6615	.6777	2.2012	2.3760	2.5356	2.9424	3.2143	4.6159	6.9522
LPG	1.3012	1.3037	1.3432	1.4546	2.4941	2.5758	2.8292	2.9205	3.3380	4.8688	5.6917
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.8089	2.7737	2.8756	3.0476	4.0728	4.3898	4.5656	4.7025	5.1786	6.9924	9.7046
RESIDUAL FUEL	.3285	.4994	.5235	.6570	1.4395	1.7512	1.7194	1.9914	1.8610	2.5459	3.4492
ROAD OIL	.7009	.7642	.8154	.9520	1.6516	1.8756	1.9155	2.0114	2.2133	2.5650	4.2392
OTHER PETROLEUM PRODUCTS	.7282	.7576	.7551	.9355	2.0341	2.2361	2.3887	2.6898	2.8327	3.9074	6.2121
ELECTRICITY	3.5681	3.6186	3.9959	4.3222	6.0355	7.6073	8.4921	8.4408	9.1261	10.1431	13.6133
TRANSPORTATION SECTOR											
ALL FUELS	2.2247	2.2204	2.2971	2.4912	3.4917	3.8531	4.0058	4.1915	4.5836	6.0181	8.4474
OTHER COAL	.0000	.0000	.0000	.0000	.0000	.4851	1.0870	1.2863	.0000	.0000	.0000
NATURAL GAS	.1895	.1980	.2344	.2445	.3258	.3479	.4718	.6876	.8115	1.3052	1.7011
TOTAL PETROLEUM	2.2401	2.2344	2.3093	2.5028	3.5054	3.8644	4.0145	4.1953	4.5886	6.0384	8.4744
AVIATION GASOLINE	3.4553	3.5236	3.4986	3.7615	5.2408	5.6360	5.8299	6.4522	7.0471	9.0689	13.5618
DISTILLATE FUEL	1.4298	1.4941	1.5431	1.8314	2.5605	2.8646	3.1459	3.5033	3.7268	5.4910	7.6451
JET FUEL	.7993	.8400	.8370	.9933	1.7119	2.2326	2.3722	2.8019	3.1058	4.3364	7.0906
LPG	1.3012	1.3037	1.3432	1.4546	2.4941	2.5758	2.8292	2.9205	3.3380	4.8688	5.6917
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.8089	2.7737	2.8756	3.0476	4.0728	4.3898	4.5656	4.7025	5.1786	6.9924	9.7046
RESIDUAL FUEL	.2720	.4135	.4334	.5440	1.1919	1.4488	1.4546	1.6716	1.4578	2.3462	2.8684
ELECTRICITY	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
ELECTRIC UTILITIES											
ALL FUELS	.3306	.3952	.4686	.5798	1.2541	1.3993	1.3925	1.4202	1.4227	1.9588	2.3600
OTHER COAL	.3070	.3380	.4250	.5386	1.0323	1.3505	1.0861	1.3072	1.3927	1.4653	1.6067
NATURAL GAS	.3493	.3818	.3871	.4451	.5832	.7199	.8194	.8655	1.0207	1.2637	1.5301
TOTAL PETROLEUM	.3267	.4234	.5149	.6925	1.8107	1.8785	1.8464	2.1513	2.0113	2.9937	3.7832
DISTILLATE FUEL	.4233	.5491	.6626	.9406	1.9913	2.2058	2.3254	2.5816	2.6474	5.0952	5.7509
JET FUEL	.0000	.0000	1.6134	1.7421	2.2845	2.4536	.0000	.0000	.0000	.0000	.0000
PETROLEUM COKE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
RESIDUAL FUEL	.3253	.4202	.5055	.6808	1.7987	1.8545	1.8144	2.1211	1.9781	2.8822	3.7174
NUCLEAR POWER	.0000	.0000	.3911	.1605	.1559	.1716	.1856	.1885	.1919	.2566	.3985
WOOD AND WASTE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE PRICES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: THE FOLLOWING FUEL SECTOR PRICES HAVE BEEN SUBSTITUTED (SEE THE DOCUMENTATION FOR THE DETAILS), COAL COMMERCIAL = COAL INDUSTRIAL, KEROSENE COMMERCIAL = KEROSENE INDUSTRIAL, LPG COMMERCIAL = LPG INDUSTRIAL, MOTOR GASOLINE COMMERCIAL = MOTOR GASOLINE TRANSPORTATION; JET FUEL INDUSTRIAL = JET FUEL TRANSPORTATION, MOTOR GASOLINE INDUSTRIAL = MOTOR GASOLINE TRANSPORTATION, OTHER PETROLEUM PRODUCTS INDUSTRIAL = DISTILLATE INDUSTRIAL UNITED STATES; COAL TRANSPORTATION = COAL INDUSTRIAL, LPG TRANSPORTATION = LPG INDUSTRIAL, LUBRICANTS TRANSPORTATION = LUBRICANTS INDUSTRIAL.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 34. Fuel Expenditures and Electricity Sales by Fuel Type, 1970-1980: Georgia (Million Dollars)

ENERGY EXPENDITURES ALL SECTORS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
COAL											
METALLURGICAL COAL	0	0	0	0	0	0	0	0	0	0	0
OTHER COAL	8	7	6	7	11	14	15	21	25	21	30
(INCLUDING ELECTRICITY GENERATION)	75	96	118	119	451	367	361	508	634	678	822
TOTAL COAL	8	7	6	7	11	14	15	21	25	21	30
(INCLUDING ELECTRICITY GENERATION)	75	96	118	119	451	367	361	508	634	678	822
NATURAL GAS											
TOTAL NATURAL GAS	179	209	231	262	265	307	342	433	544	749	970
(INCLUDING ELECTRICITY GENERATION)	196	230	248	278	291	336	347	441	554	757	980
PETROLEUM PRODUCTS											
ASPHALT AND ROAD OIL	20	21	25	27	53	48	54	67	89	90	118
AVIATION GASOLINE	9	9	8	8	11	10	10	12	13	16	22
DISTILLATE FUEL OIL	71	98	106	145	223	233	290	344	344	498	790
(INCLUDING ELECTRICITY GENERATION)	71	100	112	165	278	263	356	413	382	514	819
JET FUEL	47	55	55	79	114	160	175	221	263	412	648
(INCLUDING ELECTRICITY GENERATION)	47	55	55	79	114	160	175	221	263	412	648
KEROSENE	2	3	2	2	3	3	5	7	7	13	23
LIQUEFIED PETROLEUM GASES	55	55	56	80	87	102	123	134	125	154	206
LUBRICANTS	37	42	45	48	66	64	71	74	81	107	111
MOTOR GASOLINE	795	880	945	1,068	1,500	1,629	1,741	1,899	2,007	2,578	3,409
RESIDUAL FUEL	19	27	33	45	106	73	82	109	91	167	179
(INCLUDING ELECTRICITY GENERATION)	22	34	44	57	143	105	134	163	144	205	182
ALL OTHER PETROLEUM PRODUCTS	4	5	5	6	16	20	27	34	34	41	71
(INCLUDING ELECTRICITY GENERATION)	4	5	5	6	16	20	27	34	34	41	71
TOTAL PETROLEUM	1,059	1,193	1,280	1,509	2,179	2,342	2,577	2,901	3,055	4,076	5,578
(INCLUDING ELECTRICITY GENERATION)	1,062	1,203	1,296	1,541	2,271	2,404	2,695	3,024	3,145	4,130	5,609
NUCLEAR POWER, ELECTRICITY GENERATION	0	0	0	0	*	8	11	12	16	20	42
WOOD AND WASTE, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
ELECTRICITY SALES	491	552	638	753	931	1,265	1,377	1,634	1,845	1,938	2,270
TOTAL (INCLUDING ELECTRICITY SALES, EXCLUDING ELECTRICITY GENERATION)	1,736	1,962	2,155	2,531	3,387	3,927	4,311	4,989	5,468	6,785	8,848
TOTAL (EXCLUDING ELECTRICITY SALES, INCLUDING ELECTRICITY GENERATION)	1,333	1,529	1,663	1,939	3,013	3,114	3,413	3,985	4,349	5,585	7,453

* LESS THAN .5.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: THERE ARE NO PURCHASED FUEL EXPENDITURES FOR ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: DATA FOR 1980 DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.

NOTE: THE "ALL OTHER PETROLEUM PRODUCTS" CATEGORY INCLUDES NATURAL GASOLINE, UNFRACTIONATED STREAM, PLANT CONDENSATE, PETRO CHEMICAL FEEDSTOCKS, SPECIAL NAPHTHAS, PETROLEUM COKE (NOT CONSUMED IN ELECTRIC UTILITIES), STILL GAS, WAX, AND MISCELLANEOUS PRODUCTS. THE "(INCLUDING ELECTRICITY GENERATION)" CATEGORY INCLUDES PETROLEUM COKE FUEL EXPENDITURES FOR ELECTRIC UTILITIES.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE; THEREFORE, THE SUM OF ALL STATES WILL NOT EQUAL TOTAL U.S.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 35. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Georgia (Million Dollars)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
TOTAL ENERGY	353.49	386.18	425.23	497.35	545.39	705.19	763.54	963.59	1,078.30	1,146.35	1,425.46
OTHER COAL	.49	.57	.49	.70	.70	1.50	.35	.79	.51	.57	.54
NATURAL GAS (DRY)	91.02	99.49	106.75	111.25	106.28	129.61	145.20	191.82	221.93	256.62	329.46
TOTAL PETROLEUM	41.54	41.65	40.89	61.23	57.86	68.71	83.87	86.89	78.17	98.94	145.60
DISTILLATE FUEL	1.81	2.47	2.92	3.42	4.75	4.38	8.34	7.86	6.30	8.05	23.12
KEROSENE	1.02	1.30	.90	.81	.81	.65	.65	1.53	1.14	2.52	4.54
LPG	38.72	37.88	37.07	56.99	52.30	63.69	74.88	77.50	70.73	88.37	117.95
ELECTRICITY	220.44	244.46	277.09	324.18	380.55	505.36	534.11	684.10	777.69	790.22	949.86
COMMERCIAL SECTOR											
TOTAL ENERGY	206.37	235.61	273.04	321.01	382.08	494.88	576.33	668.31	662.03	739.17	856.52
OTHER COAL	1.01	.60	.51	.64	1.09	.98	.48	.80	.46	.62	.56
NATURAL GAS (DRY)	28.47	35.41	39.75	43.76	44.82	53.80	63.58	96.19	123.61	154.43	187.64
TOTAL PETROLEUM	14.55	16.85	18.02	20.12	26.97	29.03	41.46	43.73	38.70	51.39	48.21
DISTILLATE FUEL	4.30	5.77	6.78	8.04	9.83	10.99	20.96	20.05	15.76	21.47	11.64
KEROSENE	.14	.19	.12	.11	.16	.14	.15	.37	.28	.68	.48
LPG	4.73	4.98	5.20	5.23	7.46	7.77	9.67	11.33	10.55	12.55	16.94
MOTOR GASOLINE	5.14	5.57	5.50	6.18	8.23	9.24	9.71	10.62	11.01	15.04	18.89
RESIDUAL FUEL	.25	.34	.41	.55	1.30	.89	.97	1.37	1.10	1.65	.25
ELECTRICITY	162.34	182.74	214.76	256.49	309.20	411.07	470.81	527.59	499.26	532.73	620.11
INDUSTRIAL SECTOR											
TOTAL ENERGY	259.11	305.50	350.71	424.48	634.93	728.00	823.78	954.63	1,156.94	1,409.77	1,769.34
METALLURGICAL COAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER COAL	6.00	5.45	5.48	5.26	8.92	11.37	14.59	19.74	23.65	20.26	28.79
NATURAL GAS (DRY)	57.85	73.10	82.34	105.53	112.87	121.80	132.10	142.95	195.06	332.59	437.53
TOTAL PETROLEUM	87.06	101.92	117.02	141.21	271.70	246.37	305.05	369.27	370.10	441.86	604.27
ASPHALT	19.69	20.55	25.31	27.42	52.85	48.44	54.10	67.03	89.04	90.13	118.24
DISTILLATE FUEL	13.60	15.82	17.07	20.07	37.70	41.50	67.79	76.23	71.56	77.40	148.03
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KEROSENE	1.07	1.32	1.23	1.04	2.33	2.52	4.04	5.41	5.78	10.07	18.14
LPG	10.84	11.50	13.35	17.24	26.91	29.95	37.51	44.08	43.08	51.26	69.18
LUBRICANTS	17.32	20.24	21.89	25.36	34.61	34.59	38.34	37.61	41.14	53.98	56.15
MOTOR GASOLINE	1.82	1.56	1.46	1.34	1.70	1.50	1.15	1.18	.82	1.30	1.36
RESIDUAL FUEL	18.89	26.10	31.69	42.36	99.32	68.25	75.27	103.60	85.06	116.61	122.13
ROAD OIL	.00	.17	.00	.00	.41	.01	.01	.00	.00	.00	.01
OTHER PETROLEUM PRODUCTS	3.83	4.66	5.02	6.39	15.87	19.61	26.85	34.13	33.63	41.10	71.02
ELECTRICITY	108.20	125.03	145.88	172.47	241.44	348.45	372.04	422.67	568.13	615.06	698.75
TRANSPORTATION SECTOR											
TOTAL ENERGY	916.94	1,034.44	1,106.22	1,288.14	1,824.29	1,999.09	2,147.78	2,402.80	2,571.21	3,490.04	4,796.86
OTHER COAL	.01	.01	.01	*	*	*	*	*	.00	.00	.00
NATURAL GAS (DRY)	1.34	1.45	1.79	1.48	1.35	1.33	1.22	1.93	3.04	5.45	15.39
TOTAL PETROLEUM	915.59	1,032.98	1,104.42	1,286.65	1,822.93	1,997.76	2,146.56	2,400.86	2,568.17	3,484.30	4,780.09
AVIATION GASOLINE	8.57	8.82	7.60	7.97	10.55	10.27	10.45	11.76	12.76	16.38	22.11
DISTILLATE FUEL	51.30	74.06	79.66	113.61	170.63	175.64	192.92	239.95	250.66	391.29	607.67
JET FUEL	46.68	54.94	54.65	78.82	114.21	160.06	174.96	220.60	263.13	411.87	647.73
LPG	.28	.27	.30	.35	.52	.47	.56	.67	1.13	1.34	1.81
LUBRICANTS	20.09	21.33	23.07	22.78	31.09	29.24	32.41	36.76	40.20	52.75	54.88
MOTOR GASOLINE	788.34	873.21	938.44	1,060.97	1,490.10	1,618.22	1,729.83	1,886.98	1,995.63	2,561.59	3,389.16
RESIDUAL FUEL	.32	.35	.69	2.16	5.82	3.86	5.42	4.14	4.66	49.07	56.74
ELECTRICITY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.29	1.39
ELECTRIC UTILITIES											
TOTAL ENERGY	87.97	119.34	145.73	161.38	557.63	452.18	478.44	630.43	725.83	737.65	874.56
OTHER COAL	67.70	89.69	111.85	112.76	439.90	353.35	345.22	486.61	609.25	656.35	792.34
NATURAL GAS (DRY)	17.15	20.32	17.80	16.39	25.69	29.28	4.70	8.14	10.31	8.01	9.70
TOTAL PETROLEUM	3.12	9.33	16.08	32.23	91.95	61.67	117.92	123.58	90.18	53.11	30.85
DISTILLATE FUEL	.18	2.33	5.10	19.88	55.34	30.11	65.88	69.18	37.49	15.66	28.06
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PETROLEUM COKE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RESIDUAL FUEL	2.95	7.00	10.99	12.35	36.61	31.56	52.04	54.39	52.69	37.45	2.79
NUCLEAR POWER	.00	.00	.00	.00	.09	7.88	10.59	12.11	16.09	20.17	41.67
WOOD AND WASTE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

* LESS THAN .005.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE TO THE INDUSTRIAL SECTOR BY STATE.

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE EXPENDITURES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL SINCE THERE ARE NO ASSOCIATED FUEL COSTS FOR THESE ENERGY SOURCES.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MEXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: COAL INCLUDES ANTHRACITE, BITUMINOUS, AND LIGNITE EXCEPT IN THE TRANSPORTATION SECTOR WHICH DOES NOT CONSUME ANTHRACITE.

NOTE: RESIDENTIAL, COMMERCIAL, INDUSTRIAL, AND TRANSPORTATION EXPENDITURES EXCLUDE ENERGY EXPENDITURES FOR WOOD AND WOOD WASTE.

NOTE: EXPENDITURES ON NET IMPORTS OF COAL COKE ARE NOT DISTRIBUTED BY STATE; THEREFORE, THE SUM OF THE TOTAL EXPENDITURES BY STATE WILL NOT EQUAL THE TOTAL U.S. EXPENDITURE.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, THE ENERGY, PRICE, AND EXPENDITURES DATA SYSTEM (EPEDS)

Table 36. Average Annual Fuel Prices by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Georgia (Dollars per Million Btu)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
ALL FUELS	2.3306	2.4898	2.7618	3.1256	3.7413	4.3555	4.6268	5.2644	5.9740	6.5710	7.9077
OTHER COAL	.4128	.7461	.8810	.9690	1.3300	3.2300	1.5200	2.2800	2.9150	2.4907	2.6949
NATURAL GAS	1.0106	1.0926	1.2192	1.2654	1.3619	1.4575	1.6501	1.9143	2.2667	2.7690	3.5654
TOTAL PETROLEUM	2.3259	2.2417	2.1734	3.4017	3.6871	4.1990	4.3872	4.5742	4.6415	5.2395	7.5428
DISTILLATE FUEL	1.2412	1.3878	1.4029	1.6127	2.5124	2.5802	2.8937	3.2772	3.5149	4.6196	6.9021
KEROSENE	1.4776	1.5297	1.6459	1.8800	2.9735	3.3486	3.3991	3.9869	4.2633	5.7814	8.7927
LPG	2.4634	2.3750	2.2904	3.6899	3.8656	4.4001	4.6674	4.7800	4.7850	5.2900	7.6400
ELECTRICITY	5.1792	5.4697	5.8910	6.1764	7.3871	9.0001	9.2605	10.7736	11.8601	12.6096	13.8964
COMMERCIAL SECTOR											
ALL FUELS	2.5918	2.7595	2.9675	3.2870	4.0988	4.9765	5.5757	5.8631	5.9693	6.5177	7.9368
OTHER COAL	.4567	.4197	.4957	.4786	1.1087	1.1391	1.1109	1.2492	1.4380	1.4541	1.5029
NATURAL GAS	.7132	.8201	.8602	.9078	.9875	1.0669	1.3461	1.7080	2.0187	2.4296	3.1183
TOTAL PETROLEUM	1.5061	1.5672	1.5532	1.7214	2.5763	2.9249	3.0323	3.4895	3.6967	4.7582	7.3146
DISTILLATE FUEL	1.0355	1.1344	1.1414	1.3297	1.8215	2.2707	2.5488	2.9308	3.0821	4.3213	6.3637
KEROSENE	.6362	.6793	.6793	.8050	1.7696	2.2200	2.3755	2.9311	3.2520	4.7871	7.1256
LPG	1.7043	1.7710	1.8222	1.9205	3.1226	3.0430	3.4156	3.9596	4.0443	4.2582	6.2184
MOTOR GASOLINE	2.7994	2.8995	2.8895	3.0822	4.3910	4.7313	4.8449	5.1454	5.2671	7.0539	9.9082
RESIDUAL FUEL	.3641	.5221	.5705	.7117	1.7973	1.7290	1.7624	2.1324	1.9284	2.7002	4.0142
ELECTRICITY	5.8326	6.0876	6.4755	7.0396	8.4982	10.7523	11.2026	11.8576	12.8399	13.7934	15.2053
INDUSTRIAL SECTOR											
ALL FUELS	.8235	.9514	1.0097	1.1239	1.7979	2.2902	2.5803	3.0110	3.4818	3.8493	4.8964
METALLURGICAL COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
OTHER COAL	.4567	.4197	.4957	.4786	1.1087	1.1391	1.1109	1.2492	1.4380	1.4541	1.5029
NATURAL GAS	.3983	.4985	.5189	.5942	.6809	.8208	1.0759	1.3748	1.7093	2.1539	2.7538
TOTAL PETROLEUM	.7302	.8377	.8712	.9929	2.0530	2.1958	2.3117	2.5719	2.6716	3.3297	5.1287
ASPHALT	.7577	.7795	.8406	.8476	1.7523	1.7392	1.8296	1.8946	2.1583	2.6368	3.7161
DISTILLATE FUEL	.5820	.6215	.6215	.7365	1.6189	2.0532	2.1906	2.6833	2.9597	3.6354	6.3934
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
KEROSENE	.6362	.6793	.6793	.8050	1.7696	2.2200	2.3755	2.9311	3.2520	4.7871	7.1256
LPG	1.7043	1.7710	1.8222	1.9205	3.1226	3.0430	3.4156	3.9596	4.0443	4.2582	6.2184
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.7994	2.8995	2.8895	3.0822	4.3910	4.7313	4.8449	5.1454	5.2671	7.0539	9.9082
RESIDUAL FUEL	.3560	.5106	.5579	.6959	1.7576	1.6908	1.7433	2.0693	1.9103	2.4255	3.6161
ROAD OIL	.0000	.8861	.0000	.0000	1.8987	1.8987	1.9155	.0000	.0000	.0000	4.8033
OTHER PETROLEUM PRODUCTS	.7282	.7576	.7551	.9355	2.0341	2.2361	2.3887	2.6898	2.8327	3.9074	6.2121
ELECTRICITY	2.9219	3.1378	3.3680	3.6809	5.1370	7.3654	7.2402	7.8734	8.9908	9.4344	10.6690
TRANSPORTATION SECTOR											
ALL FUELS	2.2965	2.4030	2.4081	2.5497	3.7596	4.1256	4.2469	4.5731	4.7052	6.1616	8.7598
OTHER COAL	.4567	.4197	.4957	.4786	1.1087	1.1391	1.1109	1.2492	.0000	.0000	.0000
NATURAL GAS	.1890	.2103	.2192	.2380	.2724	.3115	.3461	.6476	.8708	1.2994	2.0375
TOTAL PETROLEUM	2.3347	2.4388	2.4478	2.5786	3.7957	4.1595	4.2742	4.5956	4.7299	6.1977	8.8535
AVIATION GASOLINE	3.4553	3.5236	3.4986	3.7615	5.2408	5.6360	5.8299	6.4522	7.0471	9.6513	13.4786
DISTILLATE FUEL	1.1377	1.4837	1.4909	1.7332	2.6507	2.9916	3.0964	3.4852	3.5738	5.1558	7.4144
JET FUEL	.7993	.8400	.8370	.9933	1.7119	2.2326	2.3722	2.8019	3.1058	4.3364	7.0906
LPG	1.7043	1.7710	1.8222	1.9205	3.1226	3.0430	3.4156	3.9596	4.0443	4.2582	6.2184
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.7994	2.8995	2.8895	3.0822	4.3910	4.7313	4.8449	5.1454	5.2671	7.0539	9.9082
RESIDUAL FUEL	.2948	.4228	.4620	.5763	1.4553	1.3988	1.4748	1.7370	1.4964	2.2353	3.0072
ELECTRICITY	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	9.2321	9.8769
ELECTRIC UTILITIES											
ALL FUELS	.3537	.4144	.4564	.4811	1.5081	1.1100	1.0861	1.2676	1.4178	1.3907	1.4498
OTHER COAL	.3800	.4350	.4470	.4338	1.5970	1.1751	1.0342	1.2175	1.4550	1.4403	1.5710
NATURAL GAS	.2835	.3105	.4510	.4651	.5834	.7084	.9858	1.2981	1.6948	2.5640	2.5581
TOTAL PETROLEUM	.3105	.5703	.5435	.8007	1.8474	1.9719	2.0965	2.4042	2.2350	3.0561	5.8069
DISTILLATE FUEL	.4419	.7681	.7143	1.0851	2.0949	2.2962	2.4775	2.7833	2.8427	3.9839	6.2238
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
PETROLEUM COKE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
RESIDUAL FUEL	.3050	.5253	.4892	.5631	1.5674	1.7378	1.7548	2.0492	1.9400	2.7848	3.4711
NUCLEAR POWER	.0000	.0000	.0000	.0000	.1847	.2313	.2320	.3028	.3439	.3721	.4642
WOOD AND WASTE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE PRICES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: THE FOLLOWING FUEL SECTOR PRICES HAVE BEEN SUBSTITUTED (SEE THE DOCUMENTATION FOR THE DETAILS), COAL COMMERCIAL = COAL INDUSTRIAL, KEROSENE COMMERCIAL = KEROSENE INDUSTRIAL, LPG COMMERCIAL = LPG INDUSTRIAL, MOTOR GASOLINE COMMERCIAL = MOTOR GASOLINE TRANSPORTATION; JET FUEL INDUSTRIAL = JET FUEL TRANSPORTATION, MOTOR GASOLINE INDUSTRIAL = MOTOR GASOLINE TRANSPORTATION, OTHER PETROLEUM PRODUCTS INDUSTRIAL = DISTILLATE INDUSTRIAL UNITED STATES; COAL TRANSPORTATION = COAL INDUSTRIAL, LPG TRANSPORTATION = LPG INDUSTRIAL, LUBRICANTS TRANSPORTATION = LUBRICANTS INDUSTRIAL.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 37. Fuel Expenditures and Electricity Sales by Fuel Type, 1970-1980: Hawaii (Million Dollars)

ENERGY EXPENDITURES ALL SECTORS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
COAL											
METALLURGICAL COAL	0	0	0	0	0	0	0	0	0	0	0
OTHER COAL	0	0	0	0	0	0	0	0	0	0	0
(INCLUDING ELECTRICITY GENERATION)	0	0	0	0	0	0	0	0	0	0	0
TOTAL COAL	0	0	0	0	0	0	0	0	0	0	0
(INCLUDING ELECTRICITY GENERATION)	0	0	0	0	0	0	0	0	0	0	0
NATURAL GAS											
TOTAL NATURAL GAS	0	0	0	0	0	0	0	0	0	0	0
(INCLUDING ELECTRICITY GENERATION)	0	0	0	0	0	0	0	0	0	0	0
PETROLEUM PRODUCTS											
ASPHALT AND ROAD OIL	1	2	2	2	3	4	4	4	4	4	7
AVIATION GASOLINE	8	7	7	6	8	7	6	7	8	9	17
DISTILLATE FUEL OIL	10	11	10	12	21	21	28	39	50	152	204
(INCLUDING ELECTRICITY GENERATION)	10	11	10	13	25	35	36	60	59	159	234
JET FUEL	64	77	76	92	143	185	199	235	257	349	526
(INCLUDING ELECTRICITY GENERATION)	64	77	76	92	143	185	199	235	257	349	526
KEROSENE	1	*	*	*	1	1	2	3	3	1	*
LIQUEFIED PETROLEUM GASES	8	11	8	13	15	13	19	18	16	23	28
LUBRICANTS	3	3	3	3	4	6	7	6	6	8	8
MOTOR GASOLINE	98	104	108	124	164	194	209	230	249	307	411
RESIDUAL FUEL	10	12	13	15	25	27	29	35	36	39	68
(INCLUDING ELECTRICITY GENERATION)	27	34	40	49	66	106	120	147	172	206	310
ALL OTHER PETROLEUM PRODUCTS	4	3	4	5	10	10	10	13	12	19	27
(INCLUDING ELECTRICITY GENERATION)	4	3	4	5	10	10	10	13	12	19	27
TOTAL PETROLEUM	207	230	231	272	394	468	513	590	640	911	1,297
(INCLUDING ELECTRICITY GENERATION)	224	252	259	308	440	560	612	723	785	1,085	1,568
NUCLEAR POWER, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
WOOD AND WASTE, ELECTRICITY GENERATION	*	*	*	*	*	*	*	*	0	0	0
ELECTRICITY SALES	89	103	115	136	164	230	250	286	331	374	483
TOTAL (INCLUDING ELECTRICITY SALES, EXCLUDING ELECTRICITY GENERATION)	296	333	347	408	558	698	763	876	971	1,285	1,780
TOTAL (EXCLUDING ELECTRICITY SALES, INCLUDING ELECTRICITY GENERATION)	224	252	259	308	441	560	612	723	785	1,085	1,568

* LESS THAN .5.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: THERE ARE NO PURCHASED FUEL EXPENDITURES FOR ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: DATA FOR 1980 DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.

NOTE: THE "ALL OTHER PETROLEUM PRODUCTS" CATEGORY INCLUDES NATURAL GASOLINE, UNFRACTIONATED STREAM, PLANT CONDENSATE, PETRO CHEMICAL FEEDSTOCKS, SPECIAL NAPHTHAS, PETROLEUM COKE (NOT CONSUMED IN ELECTRIC UTILITIES), STILL GAS, WAX, AND MISCELLANEOUS PRODUCTS. THE "(INCLUDING ELECTRICITY GENERATION)" CATEGORY INCLUDES PETROLEUM COKE FUEL EXPENDITURES FOR ELECTRIC UTILITIES.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE; THEREFORE, THE SUM OF ALL STATES WILL NOT EQUAL TOTAL U.S.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 38. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Hawaii (Million Dollars)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
TOTAL ENERGY	41.48	49.75	51.21	62.77	72.98	90.10	101.90	112.33	124.52	144.44	177.51
OTHER COAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NATURAL GAS (DRY)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL PETROLEUM	5.49	8.72	6.06	10.47	10.40	7.44	12.74	13.87	13.28	19.83	23.50
DISTILLATE FUEL	.01	.01	.01	.01	.01	.01	.01	.02	.02	.05	.04
KEROSENE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LPG	5.49	8.72	6.05	10.46	10.39	7.43	12.73	13.86	13.27	19.78	23.46
ELECTRICITY	35.99	41.02	45.16	52.30	62.58	82.66	89.16	98.46	111.24	124.61	154.01
COMMERCIAL SECTOR											
TOTAL ENERGY	30.18	32.37	36.08	43.48	50.40	67.56	76.03	89.43	101.34	119.24	154.91
OTHER COAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NATURAL GAS (DRY)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL PETROLEUM	4.26	3.15	3.03	3.65	4.45	5.49	6.89	8.82	8.85	12.80	20.59
DISTILLATE FUEL	1.02	.90	.83	1.02	1.31	1.28	1.57	2.14	2.11	6.70	15.02
KEROSENE	.42	.23	.18	.17	.51	.63	1.27	2.10	1.91	.17	.00
LPG	.39	.48	.43	.48	.79	.57	.99	1.17	1.09	1.50	1.82
MOTOR GASOLINE	2.31	1.41	1.44	1.81	1.58	2.81	2.77	2.98	3.30	4.11	3.05
RESIDUAL FUEL	.13	.13	.15	.18	.26	.19	.29	.42	.43	.33	.70
ELECTRICITY	25.92	29.22	33.05	39.82	45.94	62.07	69.14	80.61	92.50	106.44	134.32
INDUSTRIAL SECTOR											
TOTAL ENERGY	44.08	50.08	57.52	66.91	99.62	132.67	137.75	158.67	177.56	228.60	320.54
METALLURGICAL COAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER COAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NATURAL GAS (DRY)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL PETROLEUM	17.06	16.92	20.24	23.44	44.56	47.05	45.87	51.49	50.46	85.95	125.92
ASPHALT	1.39	1.53	1.74	1.79	2.68	4.25	4.03	3.73	3.63	4.23	6.74
DISTILLATE FUEL	3.01	2.84	2.89	4.16	7.09	7.61	6.54	9.78	13.12	39.95	47.65
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KEROSENE	.32	.16	.09	.11	.55	.44	.49	.83	.67	.94	.36
LPG	1.98	1.72	1.90	1.91	3.66	4.90	4.86	3.14	1.31	1.81	2.20
LUBRICANTS	.13	.71	.77	.76	1.04	1.68	1.87	1.17	1.28	1.68	1.75
MOTOR GASOLINE	.85	1.05	1.34	1.15	1.71	1.52	1.59	1.65	1.95	1.95	2.76
RESIDUAL FUEL	5.46	6.03	7.93	8.82	17.34	16.68	16.52	18.42	16.53	16.82	37.53
ROAD OIL	.02	.02	.02	.03	.16	.19	.14	.04	.03	.03	.09
OTHER PETROLEUM PRODUCTS	3.89	2.85	3.58	4.70	10.32	9.79	9.82	12.73	11.92	18.53	26.85
ELECTRICITY	27.02	33.16	37.27	43.47	55.07	85.62	91.88	107.18	127.11	142.64	194.62
TRANSPORTATION SECTOR											
TOTAL ENERGY	180.49	200.83	201.88	234.69	334.85	407.75	447.47	515.99	567.48	792.61	1,127.01
OTHER COAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NATURAL GAS (DRY)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL PETROLEUM	180.49	200.83	201.88	234.69	334.85	407.75	447.47	515.99	567.48	792.61	1,127.01
AVIATION GASOLINE	7.89	7.33	6.78	6.37	8.45	6.62	5.83	7.28	7.82	9.20	17.29
DISTILLATE FUEL	5.69	6.91	6.02	6.68	12.17	12.32	20.17	27.34	34.63	105.70	141.48
JET FUEL	64.41	77.08	76.37	91.73	143.13	184.91	199.06	235.02	256.96	348.68	526.39
LPG	.06	.04	.04	.04	.09	.09	.08	.09	.13	.18	.22
LUBRICANTS	2.47	2.16	2.33	2.32	3.17	4.21	4.67	4.43	4.84	6.35	6.61
MOTOR GASOLINE	95.25	101.12	105.47	121.36	160.86	189.20	205.03	225.47	244.17	301.10	404.86
RESIDUAL FUEL	4.72	6.21	4.86	6.18	6.99	10.39	12.62	16.37	18.92	21.41	30.17
ELECTRICITY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRIC UTILITIES											
TOTAL ENERGY	16.87	22.25	27.94	36.03	46.32	92.65	98.91	133.02	144.52	173.75	271.31
OTHER COAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NATURAL GAS (DRY)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL PETROLEUM	16.66	22.11	27.78	35.81	46.01	92.36	98.56	132.69	144.52	173.75	271.31
DISTILLATE FUEL	.33	.41	.62	1.56	4.48	13.60	7.76	20.75	8.84	6.79	30.00
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PETROLEUM COKE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RESIDUAL FUEL	16.33	21.70	27.15	34.25	41.53	78.77	90.80	111.93	135.69	166.95	241.31
NUCLEAR POWER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WOOD AND WASTE	.21	.13	.16	.21	.32	.29	.35	.33	.00	.00	.00

NOTE: EXCLUDES NET IMPORTS OF COAL COKE TO THE INDUSTRIAL SECTOR BY STATE.
NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE EXPENDITURES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL SINCE THERE ARE NO ASSOCIATED FUEL COSTS FOR THESE ENERGY SOURCES.
NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MEXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.
NOTE: COAL INCLUDES ANTHRACITE, BITUMINOUS, AND LIGNITE EXCEPT IN THE TRANSPORTATION SECTOR WHICH DOES NOT CONSUME ANTHRACITE.
NOTE: RESIDENTIAL, COMMERCIAL, INDUSTRIAL, AND TRANSPORTATION EXPENDITURES EXCLUDE ENERGY EXPENDITURES FOR WOOD AND WOOD WASTE.
NOTE: EXPENDITURES ON NET IMPORTS OF COAL COKE ARE NOT DISTRIBUTED BY STATE; THEREFORE, THE SUM OF THE TOTAL EXPENDITURES BY STATE WILL NOT EQUAL THE TOTAL U.S. EXPENDITURE.
SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, THE ENERGY, PRICE, AND EXPENDITURES DATA SYSTEM (EPEDS)

Table 39. Average Annual Fuel Prices by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Hawaii (Dollars per Million Btu)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
ALL FUELS	6.8230	7.3858	7.3506	8.5744	9.8080	13.1201	13.0695	14.1278	15.7618	17.2519	21.6649
OTHER COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
NATURAL GAS	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
TOTAL PETROLEUM	3.2390	4.3817	3.3417	5.6159	5.7923	6.2320	6.8066	7.1293	7.2576	9.5614	12.2921
DISTILLATE FUEL	1.0772	1.1687	1.1970	1.4953	2.5737	2.7984	3.1068	3.2435	3.1111	4.5060	6.6835
KEROSENE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
LPG	3.2490	4.3920	3.3486	5.6284	5.7997	6.2427	6.8147	7.1400	7.2700	9.5900	12.3092
ELECTRICITY	8.2098	8.6465	8.7599	9.5850	11.0847	14.5694	15.0487	16.3957	18.3262	19.7843	24.5174
COMMERCIAL SECTOR											
ALL FUELS	5.6307	6.6904	7.1930	8.0990	9.8626	12.6751	12.5503	13.2098	14.5938	16.2329	19.2176
OTHER COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
NATURAL GAS	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
TOTAL PETROLEUM	1.5557	1.5329	1.5950	1.9155	2.9094	3.5234	3.4136	3.6398	3.7356	5.0477	6.6788
DISTILLATE FUEL	1.0094	1.0873	1.1120	1.4010	2.4724	2.6638	2.9649	3.0916	2.9866	4.4379	6.5122
KEROSENE	.8484	.8722	.8832	1.1764	2.4942	2.5027	2.4166	3.0654	3.1226	4.8766	.0000
LPG	1.3050	1.3572	1.3627	1.4549	2.5070	2.7150	2.9994	3.4228	3.3747	4.1087	5.3990
MOTOR GASOLINE	3.2922	3.3581	3.3228	3.5816	4.7756	5.4450	5.6705	5.9141	6.2155	7.7904	10.8113
RESIDUAL FUEL	.5328	.6945	.7364	.8757	1.7436	1.9599	2.0148	2.1422	2.2174	3.2594	4.4360
ELECTRICITY	9.8908	10.5037	10.6129	11.5071	12.8373	16.4517	17.1118	18.5417	20.2131	22.1271	26.9822
INDUSTRIAL SECTOR											
ALL FUELS	1.4472	1.8589	1.8517	2.1433	3.2459	4.4049	4.6550	5.2136	6.0591	7.0172	9.2345
METALLURGICAL COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
OTHER COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
NATURAL GAS	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
TOTAL PETROLEUM	.6938	.8380	.8545	.9995	1.9914	2.1926	2.2374	2.4489	2.5702	3.8125	5.1651
ASPHALT	.5607	.8102	.8138	.8250	1.6533	1.7588	1.5682	1.7139	1.8936	2.4285	3.6033
DISTILLATE FUEL	.7382	.7588	.7684	1.0235	2.1700	2.2198	2.0824	2.6816	2.6695	4.3031	6.0011
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
KEROSENE	.8484	.8722	.8832	1.1764	2.4942	2.5027	2.4166	3.0654	3.1226	4.8766	6.9758
LPG	1.3050	1.3572	1.3627	1.4549	2.5070	2.7150	2.9994	3.4228	3.3747	4.1087	5.3990
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	3.2922	3.3581	3.3228	3.5816	4.7756	5.4450	5.6705	5.9141	6.2155	7.7904	10.8113
RESIDUAL FUEL	.5210	.6792	.7201	.8563	1.7051	1.9166	1.9930	2.0789	2.1966	2.9279	3.9960
ROAD OIL	.6615	.7894	.8538	.9775	1.9476	1.9260	1.7125	1.8257	1.9431	2.4371	4.1150
OTHER PETROLEUM PRODUCTS	.7282	.7576	.7551	.9355	2.0341	2.2361	2.3887	2.6898	2.8327	3.9074	6.2121
ELECTRICITY	4.6034	4.9119	5.0567	5.5961	6.6209	9.8875	10.1077	11.3936	13.1402	14.2199	18.8370
TRANSPORTATION SECTOR											
ALL FUELS	1.3796	1.3943	1.4267	1.6162	2.5170	3.0422	3.3367	3.5923	3.8357	5.0072	7.5870
OTHER COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
NATURAL GAS	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
TOTAL PETROLEUM	1.3796	1.3943	1.4267	1.6162	2.5170	3.0422	3.3367	3.5923	3.8357	5.0072	7.5870
AVIATION GASOLINE	3.4553	3.5236	3.4986	3.7615	5.2408	5.6360	5.8299	6.4522	7.0471	9.3185	13.3122
DISTILLATE FUEL	1.3529	1.4459	1.4526	1.5884	2.3283	2.6083	2.8220	3.0971	3.3839	4.7451	7.3245
JET FUEL	.7667	.8059	.8030	.9526	1.6422	2.1415	2.4340	2.7423	2.9949	3.9668	6.5057
LPG	1.3050	1.3572	1.3627	1.4549	2.5070	2.7150	2.9994	3.4228	3.3747	4.1087	5.3990
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	3.2922	3.3581	3.3228	3.5816	4.7756	5.4450	5.6705	5.9141	6.2155	7.7904	10.8113
RESIDUAL FUEL	.4314	.5624	.5963	.7091	1.4119	1.5856	1.6860	1.7451	1.7207	2.6982	3.3231
ELECTRICITY	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
ELECTRIC UTILITIES											
ALL FUELS	.3918	.4685	.5296	.6489	.8042	1.5795	1.6105	1.9644	2.2310	2.5914	3.8906
OTHER COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
NATURAL GAS	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
TOTAL PETROLEUM	.3894	.4673	.5284	.6477	.8031	1.5817	1.6128	1.9674	2.2310	2.5914	3.8906
DISTILLATE FUEL	.5814	.7002	.7923	.9160	2.2153	2.2662	2.6029	2.8746	2.9001	4.1938	5.8129
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
PETROLEUM COKE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
RESIDUAL FUEL	.3868	.4644	.5244	.6392	.7515	1.5033	1.5620	1.8586	2.1980	2.5517	3.7370
NUCLEAR POWER	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
WOOD AND WASTE	.8000	.8400	.8700	.9200	1.0000	1.1000	1.1500	1.2200	.0000	.0000	.0000

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE PRICES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: THE FOLLOWING FUEL SECTOR PRICES HAVE BEEN SUBSTITUTED (SEE THE DOCUMENTATION FOR THE DETAILS), COAL COMMERCIAL = COAL INDUSTRIAL, KEROSENE COMMERCIAL = KEROSENE INDUSTRIAL, LPG COMMERCIAL = LPG INDUSTRIAL, MOTOR GASOLINE COMMERCIAL = MOTOR GASOLINE TRANSPORTATION; JET FUEL INDUSTRIAL = JET FUEL TRANSPORTATION, MOTOR GASOLINE INDUSTRIAL = MOTOR GASOLINE TRANSPORTATION, OTHER PETROLEUM PRODUCTS INDUSTRIAL = DISTILLATE INDUSTRIAL UNITED STATES; COAL TRANSPORTATION = COAL INDUSTRIAL, LPG TRANSPORTATION = LPG INDUSTRIAL, LUBRICANTS TRANSPORTATION = LUBRICANTS INDUSTRIAL.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 40. Fuel Expenditures and Electricity Sales by Fuel Type, 1970-1980: Idaho (Million Dollars)

ENERGY EXPENDITURES ALL SECTORS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
COAL											
METALLURGICAL COAL	0	0	0	0	0	0	0	0	0	0	0
OTHER COAL	4	7	6	7	13	16	20	17	18	17	16
(INCLUDING ELECTRICITY GENERATION)	4	7	6	7	13	16	20	17	18	17	16
TOTAL COAL	4	7	6	7	13	16	20	17	18	17	16
(INCLUDING ELECTRICITY GENERATION)	4	7	6	7	13	16	20	17	18	17	16
NATURAL GAS											
TOTAL NATURAL GAS	30	36	44	44	50	84	79	96	107	148	193
(INCLUDING ELECTRICITY GENERATION)	30	36	44	44	50	84	79	97	108	150	194
PETROLEUM PRODUCTS											
ASPHALT AND ROAD OIL	5	6	7	6	11	11	10	11	12	14	19
AVIATION GASOLINE	3	3	3	3	4	4	4	5	6	8	10
DISTILLATE FUEL OIL	32	34	36	48	96	109	116	133	151	204	221
(INCLUDING ELECTRICITY GENERATION)	32	34	36	48	97	109	116	133	151	205	221
JET FUEL	5	5	5	6	10	12	14	16	19	27	48
(INCLUDING ELECTRICITY GENERATION)	5	5	5	6	10	12	14	16	19	27	48
KEROSENE	1	1	1	2	3	2	3	3	3	3	0
LIQUEFIED PETROLEUM GASES	8	10	13	20	13	17	18	21	24	30	36
LUBRICANTS	6	6	6	7	9	9	10	11	12	16	16
MOTOR GASOLINE	143	147	156	186	241	285	315	337	374	455	561
RESIDUAL FUEL	1	1	1	1	8	9	8	9	15	23	18
(INCLUDING ELECTRICITY GENERATION)	1	1	1	1	8	9	8	9	15	23	18
ALL OTHER PETROLEUM PRODUCTS	*	*	1	1	1	1	1	1	*	1	3
(INCLUDING ELECTRICITY GENERATION)	*	*	1	1	1	1	1	1	*	1	3
TOTAL PETROLEUM	203	214	229	279	397	459	500	547	617	781	931
(INCLUDING ELECTRICITY GENERATION)	203	214	229	279	398	459	500	547	617	781	931
NUCLEAR POWER, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
WOOD AND WASTE, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
ELECTRICITY SALES	106	116	127	134	150	175	210	241	238	292	347
TOTAL (INCLUDING ELECTRICITY SALES, EXCLUDING ELECTRICITY GENERATION)	343	372	406	464	611	735	809	900	980	1,239	1,489
TOTAL (EXCLUDING ELECTRICITY SALES, INCLUDING ELECTRICITY GENERATION)	237	256	279	330	461	560	600	660	742	948	1,141

* LESS THAN .5.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: THERE ARE NO PURCHASED FUEL EXPENDITURES FOR ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: DATA FOR 1980 DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.

NOTE: THE "ALL OTHER PETROLEUM PRODUCTS" CATEGORY INCLUDES NATURAL GASOLINE, UNFRACTIONATED STREAM, PLANT CONDENSATE, PETRO CHEMICAL FEEDSTOCKS, SPECIAL NAPHTHAS, PETROLEUM COKE (NOT CONSUMED IN ELECTRIC UTILITIES), STILL GAS, WAX, AND MISCELLANEOUS PRODUCTS. THE "(INCLUDING ELECTRICITY GENERATION)" CATEGORY INCLUDES PETROLEUM COKE FUEL EXPENDITURES FOR ELECTRIC UTILITIES.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE; THEREFORE, THE SUM OF ALL STATES WILL NOT EQUAL TOTAL U.S.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 41. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Idaho (Million Dollars)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
TOTAL ENERGY	62.52	73.77	81.99	93.96	99.01	128.90	141.29	161.90	166.22	203.08	225.60
OTHER COAL	.57	2.49	1.47	1.58	2.34	3.03	3.63	3.36	4.86	2.33	2.22
NATURAL GAS (DRY)	10.61	12.50	15.88	14.59	17.08	29.71	27.03	32.33	25.63	31.69	35.76
TOTAL PETROLEUM	12.74	15.05	16.72	25.89	22.19	26.71	28.28	31.25	35.72	44.74	40.88
DISTILLATE FUEL	6.47	6.88	6.79	8.11	13.01	15.68	16.37	17.77	21.44	24.62	19.10
KEROSENE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LPG	6.27	8.17	9.94	17.78	9.18	11.04	11.91	13.48	14.28	20.12	21.79
ELECTRICITY	38.59	43.73	47.92	51.90	57.40	69.46	82.35	94.96	100.01	124.31	146.74
COMMERCIAL SECTOR											
TOTAL ENERGY	40.55	47.75	52.55	56.69	64.44	90.01	101.81	119.86	110.78	138.30	168.93
OTHER COAL	1.28	2.08	1.35	1.74	2.72	3.03	3.47	3.74	3.44	2.63	2.20
NATURAL GAS (DRY)	5.87	8.23	10.68	9.68	9.57	18.22	17.36	19.55	16.32	23.26	25.70
TOTAL PETROLEUM	4.30	4.59	5.04	6.12	9.35	10.19	11.19	11.82	13.54	14.50	30.54
DISTILLATE FUEL	2.07	2.19	2.17	2.63	4.37	5.22	5.50	5.98	7.12	8.37	8.37
KEROSENE	.53	.56	.86	1.32	1.82	1.18	1.70	1.56	1.71	.44	.00
LPG	.73	.84	1.01	.92	1.32	1.50	1.55	1.72	1.93	2.08	2.86
MOTOR GASOLINE	.96	.99	1.00	1.25	1.84	2.28	2.44	2.57	2.78	3.61	5.04
RESIDUAL FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	14.26
ELECTRICITY	29.09	32.85	35.48	39.14	42.79	58.57	69.78	84.74	77.48	97.90	110.49
INDUSTRIAL SECTOR											
TOTAL ENERGY	84.54	92.29	98.46	112.85	167.45	193.10	203.39	216.65	255.24	291.49	374.14
METALLURGICAL COAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER COAL	1.81	2.62	3.11	3.41	7.84	10.11	13.13	9.82	9.24	12.19	11.98
NATURAL GAS (DRY)	12.71	13.69	16.52	18.34	21.86	33.88	31.53	36.29	57.19	82.76	115.95
TOTAL PETROLEUM	32.01	36.88	35.09	48.19	87.76	101.85	101.04	109.44	127.82	126.70	156.02
ASPHALT	3.25	4.01	5.35	5.43	9.04	9.70	8.80	10.14	11.83	13.44	18.48
DISTILLATE FUEL	14.28	14.69	14.96	20.79	46.56	53.67	58.91	61.40	70.91	75.08	83.73
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KEROSENE	.53	.54	.60	.59	1.27	.94	1.32	1.53	1.73	2.81	.00
LPG	1.26	1.44	1.97	1.47	2.87	4.04	4.60	5.28	7.35	7.90	10.89
LUBRICANTS	1.19	1.16	1.25	1.40	1.91	2.48	2.75	2.61	2.86	3.75	3.90
MOTOR GASOLINE	9.23	12.08	8.00	15.80	15.30	20.24	14.15	18.19	16.89	17.02	32.38
RESIDUAL FUEL	.66	.95	.95	1.17	7.91	8.86	8.42	9.22	15.17	5.14	3.32
ROAD OIL	1.29	1.62	1.45	.98	1.92	1.26	1.04	.51	.60	.34	.76
OTHER PETROLEUM PRODUCTS	.33	.38	.57	.56	.97	.65	1.07	.55	.49	1.22	2.57
ELECTRICITY	38.01	39.10	43.73	42.92	49.99	47.27	57.68	61.11	60.99	69.83	90.18
TRANSPORTATION SECTOR											
TOTAL ENERGY	155.19	158.34	173.17	200.77	279.68	322.85	362.84	401.38	447.78	606.07	719.88
OTHER COAL	*	*	*	*	*	*	*	*	.00	.00	.00
NATURAL GAS (DRY)	.93	1.20	1.28	1.51	1.72	2.44	3.22	7.38	8.32	10.66	16.09
TOTAL PETROLEUM	154.26	157.14	171.89	199.26	277.96	320.41	359.62	394.00	439.47	595.41	703.80
AVIATION GASOLINE	3.16	2.96	2.94	3.24	4.32	3.79	4.16	4.69	5.86	7.54	10.31
DISTILLATE FUEL	9.56	10.68	12.36	16.75	32.47	34.82	35.46	48.06	51.76	96.40	109.75
JET FUEL	4.53	4.99	4.86	5.50	9.90	12.42	14.10	16.45	18.82	27.33	47.82
LPG	.02	.03	.05	.04	.08	.10	.09	.13	.14	.15	.20
LUBRICANTS	4.35	4.34	4.70	5.15	7.04	6.74	7.47	8.22	8.99	11.79	12.27
MOTOR GASOLINE	132.63	134.13	146.98	168.57	224.17	262.53	298.33	316.45	353.90	434.68	523.45
RESIDUAL FUEL	.01	.00	.00	.00	.00	.00	.00	.00	.00	17.50	.00
ELECTRICITY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRIC UTILITIES											
TOTAL ENERGY	*	.01	.01	.01	.67	.13	.18	1.44	.12	1.53	.18
OTHER COAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NATURAL GAS (DRY)	.00	.00	.00	.00	.05	.03	.16	1.37	.08	1.43	.18
TOTAL PETROLEUM	*	.01	.01	.01	.62	.10	.01	.07	.04	.10	.00
DISTILLATE FUEL	*	.01	.01	.01	.62	.10	.01	.07	.04	.10	.00
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PETROLEUM COKE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RESIDUAL FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NUCLEAR POWER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WOOD AND WASTE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

* LESS THAN .005.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE TO THE INDUSTRIAL SECTOR BY STATE.

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE EXPENDITURES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL SINCE THERE ARE NO ASSOCIATED FUEL COSTS FOR THESE ENERGY SOURCES.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MEXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: COAL INCLUDES ANTHRACITE, BITUMINOUS, AND LIGNITE EXCEPT IN THE TRANSPORTATION SECTOR WHICH DOES NOT CONSUME ANTHRACITE.

NOTE: RESIDENTIAL, COMMERCIAL, INDUSTRIAL, AND TRANSPORTATION EXPENDITURES EXCLUDE ENERGY EXPENDITURES FOR WOOD AND WOOD WASTE.

NOTE: EXPENDITURES ON NET IMPORTS OF COAL COKE ARE NOT DISTRIBUTED BY STATE; THEREFORE, THE SUM OF THE TOTAL EXPENDITURES BY STATE WILL NOT EQUAL THE TOTAL U.S. EXPENDITURE.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, THE ENERGY, PRICE, AND EXPENDITURES DATA SYSTEM (EPEDS)

Table 42. Average Annual Fuel Prices by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Idaho (Dollars per Million Btu)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
ALL FUELS	2.4768	2.6102	2.6528	3.0625	3.2043	3.4422	3.8142	4.3512	4.8858	5.6971	7.2729
OTHER COAL	.3353	.8846	.8259	.7980	1.3870	1.7765	1.9142	1.7200	2.5000	1.6956	2.1651
NATURAL GAS	1.3349	1.4338	1.4204	1.4376	1.7278	2.0672	2.1201	2.6953	3.2343	3.5573	4.7272
TOTAL PETROLEUM	1.6867	1.9155	2.0286	3.2457	2.8056	3.2705	3.4605	3.8788	4.0624	5.4992	7.3152
DISTILLATE FUEL	1.3287	1.4096	1.4169	1.6447	2.6146	2.8382	3.0285	3.2349	3.4939	4.7965	6.7876
KEROSENE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
LPG	2.3367	2.7450	2.8768	5.8369	3.1298	4.1731	4.3049	5.2589	5.3750	6.7000	7.8500
ELECTRICITY	4.8040	4.9264	4.9368	4.9062	5.0274	5.2595	5.7894	6.2455	6.5110	7.2173	8.7131
COMMERCIAL SECTOR											
ALL FUELS	2.0803	1.9354	2.0049	2.1737	2.5980	2.9082	3.5415	4.0301	4.3039	5.0618	6.3300
OTHER COAL	.4061	.3988	.4109	.4739	.8676	.9577	.9859	1.0320	.9525	1.0303	1.1552
NATURAL GAS	.9731	.9695	.9707	1.0113	1.1630	1.4671	1.9489	2.2829	2.9191	3.3009	4.3605
TOTAL PETROLEUM	1.3498	1.4082	1.3750	1.5979	2.7193	3.0548	3.2008	3.4452	3.6939	4.9438	5.7128
DISTILLATE FUEL	1.2130	1.2822	1.2900	1.5219	2.5056	2.6960	2.9015	3.1027	3.3079	4.6496	6.6193
KEROSENE	.8134	.8361	.8467	1.1279	2.4336	2.5869	2.7292	2.7697	3.1696	4.5833	.0000
LPG	1.5349	1.6072	1.6560	1.7059	2.5478	3.2197	3.1790	3.7966	4.1210	3.9192	5.8417
MOTOR GASOLINE	2.8075	2.7967	2.8105	3.1998	4.2968	4.8071	4.9811	5.2418	5.4955	7.1314	9.6381
RESIDUAL FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	4.6492
ELECTRICITY	4.0911	4.2630	4.3010	4.3504	4.2809	4.8676	5.4432	6.0020	6.0183	6.6217	8.1582
INDUSTRIAL SECTOR											
ALL FUELS	.9585	1.0203	1.0298	1.1622	1.6743	1.9796	2.2024	2.5068	2.6776	3.1525	4.4568
METALLURGICAL COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
OTHER COAL	.4061	.3988	.4109	.4739	.8676	.9577	.9859	1.0320	.9525	1.0303	1.1552
NATURAL GAS	.4280	.4693	.5306	.5567	.6814	1.1094	1.4615	1.7782	2.1279	2.4199	3.5773
TOTAL PETROLEUM	.9582	1.0890	1.0261	1.3514	2.4226	2.6108	2.5673	2.7542	2.9885	4.1244	6.2934
ASPHALT	.5740	.8310	.8283	.8520	1.7292	1.8697	1.7108	1.8015	1.9625	2.4946	3.6216
DISTILLATE FUEL	.7649	.7863	.7962	1.0606	2.2884	2.4000	2.5562	2.6060	2.9219	4.2880	6.5367
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
KEROSENE	.8134	.8361	.8467	1.1279	2.4336	2.5869	2.7292	2.7697	3.1696	4.5833	.0000
LPG	1.5349	1.6072	1.6560	1.7059	2.5478	3.2197	3.1790	3.7966	4.1210	3.9192	5.8417
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.8075	2.7967	2.8105	3.1998	4.2968	4.8071	4.9811	5.2418	5.4955	7.1314	9.6381
RESIDUAL FUEL	.3818	.5472	.6111	.7667	2.1075	2.0057	1.6669	2.1043	2.4050	2.5003	4.1881
ROAD OIL	.6615	.7894	.8538	.9775	1.9476	1.9260	1.7125	1.8257	1.9431	2.4371	4.1150
OTHER PETROLEUM PRODUCTS	.7282	.7576	.7551	.9355	2.0341	2.2361	2.3887	2.6898	2.8327	3.9074	6.2121
ELECTRICITY	1.8411	1.8756	1.9263	2.0137	2.2056	2.7099	3.1879	3.6433	3.8171	4.4460	5.5086
TRANSPORTATION SECTOR											
ALL FUELS	2.3416	2.3045	2.3553	2.6720	3.6606	4.0849	4.3019	4.5622	4.8180	6.0979	8.6561
OTHER COAL	.4061	.3988	.4109	.4739	.8676	.9577	.9859	1.0320	.0000	.0000	.0000
NATURAL GAS	.2139	.2273	.2638	.3188	.4223	.5650	.6840	1.5547	1.8530	2.3416	3.7361
TOTAL PETROLEUM	2.4907	2.4775	2.5032	2.8306	3.8429	4.2883	4.5160	4.7338	4.9684	6.2783	8.9247
AVIATION GASOLINE	3.4553	3.5236	3.4986	3.7615	5.2408	5.6360	5.8299	6.4522	7.0471	9.4849	12.8130
DISTILLATE FUEL	1.3005	1.3487	1.3884	1.6080	2.5580	2.6570	2.8517	3.1052	3.2066	4.8167	6.8840
JET FUEL	.7978	.8385	.8356	.9911	1.7089	2.2289	2.4481	2.8428	3.0613	4.2809	6.9007
LPG	1.5349	1.6072	1.6560	1.7059	2.5478	3.2197	3.1790	3.7966	4.1210	3.9192	5.8417
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.8075	2.7967	2.8105	3.1998	4.2968	4.8071	4.9811	5.2418	5.4955	7.1314	9.6381
RESIDUAL FUEL	.4691	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	3.0657	.0000
ELECTRICITY	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
ELECTRIC UTILITIES											
ALL FUELS	.6010	.7122	1.0086	1.0664	1.9064	1.9654	1.5642	2.0027	2.3790	2.8499	3.7589
OTHER COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
NATURAL GAS	.0000	.0000	.0000	.0000	.8779	1.3759	1.5132	1.9731	2.1243	2.8206	3.7589
TOTAL PETROLEUM	.6010	.7122	1.0086	1.0664	2.1230	2.1991	2.4952	2.8871	3.2380	3.3610	.0000
DISTILLATE FUEL	.6010	.7122	1.0086	1.0664	2.1230	2.1991	2.4952	2.8871	3.2380	3.3610	.0000
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
PETROLEUM COKE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
RESIDUAL FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
NUCLEAR POWER	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
WOOD AND WASTE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE PRICES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: THE FOLLOWING FUEL SECTOR PRICES HAVE BEEN SUBSTITUTED (SEE THE DOCUMENTATION FOR THE DETAILS), COAL COMMERCIAL = COAL INDUSTRIAL, KEROSENE COMMERCIAL = KEROSENE INDUSTRIAL, LPG COMMERCIAL = LPG INDUSTRIAL, MOTOR GASOLINE COMMERCIAL = MOTOR GASOLINE TRANSPORTATION; JET FUEL INDUSTRIAL = JET FUEL TRANSPORTATION, MOTOR GASOLINE INDUSTRIAL = MOTOR GASOLINE TRANSPORTATION, OTHER PETROLEUM PRODUCTS INDUSTRIAL = DISTILLATE INDUSTRIAL UNITED STATES; COAL TRANSPORTATION = COAL INDUSTRIAL, LPG TRANSPORTATION = LPG INDUSTRIAL, LUBRICANTS TRANSPORTATION = LUBRICANTS INDUSTRIAL.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 43. Fuel Expenditures and Electricity Sales by Fuel Type, 1970-1980: Illinois (Million Dollars)

ENERGY EXPENDITURES ALL SECTORS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
COAL											
METALLURGICAL COAL	44	49	52	52	106	130	110	69	108	99	102
OTHER COAL	97	90	89	73	114	125	131	163	154	130	134
(INCLUDING ELECTRICITY GENERATION)	277	290	326	467	598	735	816	987	1,126	1,305	1,496
TOTAL COAL	141	139	141	125	219	254	242	232	262	229	236
(INCLUDING ELECTRICITY GENERATION)	322	340	378	519	704	865	927	1,056	1,234	1,404	1,597
NATURAL GAS											
TOTAL NATURAL GAS	803	895	1,004	1,027	1,181	1,485	1,914	2,315	2,660	3,101	3,630
(INCLUDING ELECTRICITY GENERATION)	850	944	1,036	1,051	1,215	1,524	1,956	2,341	2,723	3,189	3,693
PETROLEUM PRODUCTS											
ASPHALT AND ROAD OIL	54	61	61	70	123	135	128	145	172	184	206
AVIATION GASOLINE	3	3	2	2	2	2	2	2	1	1	8
DISTILLATE FUEL OIL	274	310	343	437	688	709	858	966	1,059	1,295	1,472
(INCLUDING ELECTRICITY GENERATION)	286	330	368	464	758	770	933	1,057	1,169	1,390	1,508
JET FUEL	99	110	121	152	227	297	345	415	445	546	728
(INCLUDING ELECTRICITY GENERATION)	99	110	134	163	239	304	353	425	456	562	737
KEROSENE	23	21	29	37	48	42	24	27	37	28	25
LIQUEFIED PETROLEUM GASES	137	140	162	221	315	317	396	460	460	638	731
LUBRICANTS	119	116	126	139	189	177	196	207	226	297	309
MOTOR GASOLINE	1,715	1,709	1,740	2,031	2,726	2,946	3,132	3,383	3,650	4,545	5,622
RESIDUAL FUEL	87	74	110	131	305	290	245	260	267	311	389
(INCLUDING ELECTRICITY GENERATION)	102	101	140	159	350	336	308	392	454	585	842
ALL OTHER PETROLEUM PRODUCTS	82	87	93	136	298	334	360	424	441	757	1,262
(INCLUDING ELECTRICITY GENERATION)	82	87	93	136	298	334	360	424	441	757	1,262
TOTAL PETROLEUM	2,593	2,632	2,788	3,357	4,923	5,248	5,686	6,290	6,758	8,601	10,753
(INCLUDING ELECTRICITY GENERATION)	2,620	2,678	2,855	3,421	5,049	5,362	5,833	6,522	7,067	8,986	11,250
NUCLEAR POWER, ELECTRICITY GENERATION	4	8	21	35	51	45	56	73	89	88	100
WOOD AND WASTE, ELECTRICITY GENERATION	*	0	0	0	0	0	0	0	0	0	0
ELECTRICITY SALES	1,433	1,585	1,802	2,032	2,343	2,690	2,985	3,367	3,967	4,319	5,138
TOTAL (INCLUDING ELECTRICITY SALES, EXCLUDING ELECTRICITY GENERATION)	4,971	5,252	5,735	6,542	8,666	9,677	10,826	12,204	13,647	16,250	19,757
TOTAL (EXCLUDING ELECTRICITY SALES, INCLUDING ELECTRICITY GENERATION)	3,796	3,970	4,289	5,027	7,018	7,796	8,773	9,992	11,113	13,667	16,640

* LESS THAN .5.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: THERE ARE NO PURCHASED FUEL EXPENDITURES FOR ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: DATA FOR 1980 DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.

NOTE: THE "ALL OTHER PETROLEUM PRODUCTS" CATEGORY INCLUDES NATURAL GASOLINE, UNFRACTIONATED STREAM, PLANT CONDENSATE, PETRO CHEMICAL FEEDSTOCKS, SPECIAL NAPHTHAS, PETROLEUM COKE (NOT CONSUMED IN ELECTRIC UTILITIES), STILL GAS, WAX, AND MISCELLANEOUS PRODUCTS. THE "(INCLUDING ELECTRICITY GENERATION)" CATEGORY INCLUDES PETROLEUM COKE FUEL EXPENDITURES FOR ELECTRIC UTILITIES.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE; THEREFORE, THE SUM OF ALL STATES WILL NOT EQUAL TOTAL U.S.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 44. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Illinois (Million Dollars)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
TOTAL ENERGY	1,239.94	1,363.85	1,516.74	1,653.77	1,917.75	2,136.90	2,471.60	2,830.93	3,207.39	3,518.51	3,985.95
OTHER COAL	7.02	22.70	15.94	11.04	17.17	15.20	19.47	17.02	18.26	9.82	6.02
NATURAL GAS (DRY)	460.24	496.92	554.78	538.88	623.94	767.46	958.41	1,140.56	1,299.87	1,480.33	1,731.49
TOTAL PETROLEUM	160.43	165.21	184.43	251.36	321.23	328.99	400.29	435.60	460.90	479.26	397.42
DISTILLATE FUEL	81.71	89.77	93.28	112.01	174.04	180.57	236.96	260.52	292.68	223.74	141.47
KEROSENE	12.47	11.57	16.23	19.70	23.58	22.06	10.84	10.26	17.14	13.86	7.96
LPG	66.25	63.87	74.93	119.64	123.61	126.35	152.49	164.81	151.07	241.66	247.98
ELECTRICITY	612.26	679.01	761.60	852.48	955.41	1,025.26	1,093.42	1,237.75	1,428.36	1,549.10	1,851.02
COMMERCIAL SECTOR											
TOTAL ENERGY	731.33	797.23	892.16	989.57	1,195.57	1,440.47	1,690.22	1,900.81	2,211.66	2,447.72	2,841.74
OTHER COAL	15.64	12.95	10.65	7.93	12.82	13.08	17.13	16.12	19.06	7.62	4.10
NATURAL GAS (DRY)	145.14	164.20	189.56	193.76	219.76	281.51	402.08	479.52	569.97	661.58	763.26
TOTAL PETROLEUM	64.96	62.34	68.39	81.41	154.45	154.27	160.00	174.34	190.99	209.48	233.14
DISTILLATE FUEL	22.67	24.62	25.53	31.26	51.01	53.39	69.54	77.02	85.46	67.83	79.78
KEROSENE	.24	.22	.32	.45	.72	.66	.33	.30	.51	.44	.63
LPG	6.23	6.74	7.47	7.85	13.08	13.38	15.80	18.01	18.44	23.70	28.90
MOTOR GASOLINE	8.53	8.50	8.30	10.37	14.10	16.83	18.17	20.11	22.03	31.39	51.95
RESIDUAL FUEL	27.28	22.25	26.77	31.48	75.54	70.00	56.16	58.90	64.55	86.12	71.88
ELECTRICITY	505.58	557.74	623.56	706.47	808.54	991.61	1,111.01	1,230.83	1,431.64	1,569.04	1,841.23
INDUSTRIAL SECTOR											
TOTAL ENERGY	1,108.64	1,180.53	1,302.06	1,516.74	2,303.30	2,555.21	2,838.47	3,255.09	3,664.17	4,358.84	5,656.39
METALLURGICAL COAL	44.23	49.22	51.75	52.26	105.55	129.63	110.50	69.09	108.17	99.05	101.65
OTHER COAL	74.34	54.40	62.79	54.18	83.67	96.22	94.53	129.92	116.98	112.43	124.07
NATURAL GAS (DRY)	191.46	228.72	254.51	288.79	332.11	428.26	543.54	678.92	776.83	938.37	1,108.79
TOTAL PETROLEUM	486.09	502.66	519.43	651.61	1,206.64	1,232.86	1,315.01	1,484.34	1,561.15	2,016.09	2,886.32
ASPHALT	43.05	52.97	53.89	61.44	109.92	129.44	123.85	142.06	165.13	180.55	198.50
DISTILLATE FUEL	47.93	53.41	53.17	68.99	130.78	147.34	178.71	197.71	223.85	197.92	286.06
JET FUEL	.00	.00	.00	.00	.00	3.39	1.41	1.16	.00	.00	.00
KEROSENE	10.29	9.55	12.26	17.08	23.98	19.19	13.02	16.17	19.54	13.37	16.89
LPG	63.13	68.60	78.89	92.79	176.25	175.36	226.14	274.72	287.81	369.98	451.07
LUBRICANTS	73.71	70.91	76.70	78.31	106.88	94.60	104.87	116.58	127.49	167.29	174.03
MOTOR GASOLINE	96.39	101.25	61.72	90.48	121.89	106.52	116.97	109.36	88.44	108.59	180.67
RESIDUAL FUEL	58.40	50.82	82.70	97.98	225.84	217.08	185.43	198.98	200.41	218.49	309.85
ROAD OIL	10.71	8.46	7.49	8.53	13.47	5.55	4.15	3.13	7.14	3.38	7.24
OTHER PETROLEUM PRODUCTS	82.48	86.70	92.61	136.01	297.63	334.39	360.46	424.47	441.35	756.52	1,262.02
ELECTRICITY	312.51	345.53	413.58	469.90	575.34	668.23	774.90	892.82	1,101.03	1,192.91	1,435.56
TRANSPORTATION SECTOR											
TOTAL ENERGY	1,890.61	1,910.54	2,024.32	2,381.70	3,249.86	3,543.99	3,826.04	4,216.99	4,563.48	5,924.80	7,273.23
OTHER COAL	.19	.12	.11	.07	.07	.03	.01	.01	.00	.00	.00
NATURAL GAS (DRY)	5.80	5.20	5.33	5.68	5.53	7.65	9.60	15.77	12.95	20.43	26.04
TOTAL PETROLEUM	1,881.61	1,902.06	2,015.40	2,372.55	3,240.39	3,531.49	3,811.06	4,195.25	4,544.66	5,896.30	7,236.58
AVIATION GASOLINE	3.13	2.81	2.21	2.00	2.44	1.77	1.58	2.37	.92	.77	8.28
DISTILLATE FUEL	121.97	142.67	171.22	225.06	332.36	327.23	372.60	431.01	456.86	805.96	965.05
JET FUEL	98.51	109.88	120.69	152.26	227.24	293.59	343.83	414.19	444.61	545.90	727.83
LPG	.95	.98	.97	.97	1.79	1.59	1.87	2.26	2.22	2.86	3.48
LUBRICANTS	45.32	45.14	48.83	60.46	82.51	82.31	91.24	90.12	98.55	129.31	134.53
MOTOR GASOLINE	1,610.44	1,599.17	1,670.47	1,930.36	2,590.09	2,822.31	2,996.70	3,253.46	3,539.71	4,405.29	5,389.79
RESIDUAL FUEL	1.30	1.41	1.02	1.45	3.97	2.69	3.25	1.85	1.78	6.21	7.63
ELECTRICITY	3.02	3.17	3.48	3.41	3.85	4.81	5.37	5.96	5.87	8.07	10.61
ELECTRIC UTILITIES											
TOTAL ENERGY	258.63	303.20	355.92	517.51	694.90	809.83	930.91	1,155.23	1,432.93	1,736.70	2,021.16
OTHER COAL	180.22	200.28	236.30	393.82	484.27	610.84	685.33	823.61	971.41	1,175.32	1,361.63
NATURAL GAS (DRY)	47.75	49.17	32.02	24.24	33.32	39.57	42.79	26.59	63.74	88.22	63.11
TOTAL PETROLEUM	26.58	45.87	67.08	64.36	125.98	114.34	146.45	232.52	308.89	384.73	496.55
DISTILLATE FUEL	11.81	19.34	24.69	26.41	70.00	61.02	75.37	91.06	109.93	94.61	35.28
JET FUEL	.00	.00	13.29	10.35	11.54	7.07	7.86	9.52	11.79	16.39	8.75
PETROLEUM COKE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RESIDUAL FUEL	14.77	26.53	29.11	27.59	44.44	46.26	63.21	131.94	187.18	273.73	452.52
NUCLEAR POWER	4.08	7.88	20.52	35.09	51.33	45.07	56.35	72.51	88.90	88.43	99.87
WOOD AND WASTE	*	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

* LESS THAN .005.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE TO THE INDUSTRIAL SECTOR BY STATE.

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE EXPENDITURES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL SINCE THERE ARE NO ASSOCIATED FUEL COSTS FOR THESE ENERGY SOURCES.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MEXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: COAL INCLUDES ANTHRACITE, BITUMINOUS, AND LIGNITE EXCEPT IN THE TRANSPORTATION SECTOR WHICH DOES NOT CONSUME ANTHRACITE.

NOTE: RESIDENTIAL, COMMERCIAL, INDUSTRIAL, AND TRANSPORTATION EXPENDITURES EXCLUDE ENERGY EXPENDITURES FOR WOOD AND WOOD WASTE.

NOTE: EXPENDITURES ON NET IMPORTS OF COAL COKE ARE NOT DISTRIBUTED BY STATE; THEREFORE, THE SUM OF THE TOTAL EXPENDITURES BY STATE WILL NOT EQUAL THE TOTAL U.S. EXPENDITURE.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, THE ENERGY, PRICE, AND EXPENDITURES DATA SYSTEM (EPEDS)

Table 45. Average Annual Fuel Prices by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Illinois (Dollars per Million Btu)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
ALL FUELS	1.8759	1.9801	2.1053	2.4595	2.8044	3.0674	3.3391	3.7662	4.2214	5.0564	6.1305
OTHER COAL	.3260	1.1885	1.2113	1.1157	1.6982	2.1065	2.2135	2.2880	2.3750	3.0837	3.4789
NATURAL GAS	1.0165	1.0418	1.1073	1.1853	1.3196	1.5721	1.8517	2.1526	2.4579	2.9343	3.5338
TOTAL PETROLEUM	1.4608	1.4903	1.5447	2.1834	2.9424	2.9560	3.2269	3.6819	3.7174	5.4310	7.0523
DISTILLATE FUEL	1.1718	1.2638	1.2726	1.6039	2.5674	2.5658	2.8097	3.1997	3.3952	4.6694	6.9470
KEROSENE	1.6470	1.6800	1.6682	1.9208	2.9301	3.1764	3.3471	3.9026	4.0875	5.8353	8.7238
LPG	2.0371	1.9391	2.0598	3.4159	3.7078	3.7192	4.1810	4.8109	4.4983	6.3671	7.0700
ELECTRICITY	7.9637	8.2997	8.7666	9.1927	10.4173	11.3965	12.1811	12.8838	14.3879	15.5018	18.1257
COMMERCIAL SECTOR											
ALL FUELS	1.8578	2.0215	2.2012	2.4939	3.0223	3.6652	3.9240	4.4508	4.9689	5.9739	7.3887
OTHER COAL	.4022	.3699	.4448	.4475	.7098	1.0039	1.0839	1.2130	1.3813	1.3719	1.4625
NATURAL GAS	.7278	.7569	.8222	.8693	.9930	1.2794	1.5997	1.9311	2.2271	2.7398	3.2666
TOTAL PETROLEUM	.8258	1.0037	1.0310	1.2550	2.3550	2.4072	2.5142	2.8678	2.9340	3.9854	5.7804
DISTILLATE FUEL	1.0310	1.0992	1.1046	1.4194	2.3861	2.4056	2.6147	2.9997	3.1437	4.4890	6.5532
KEROSENE	.8264	.8533	.8525	1.1556	2.3488	2.5057	2.6619	3.0244	3.2109	4.8630	6.9421
LPG	1.0863	1.1604	1.1641	1.2700	2.2230	2.2320	2.4542	2.9796	3.1114	3.5392	4.6690
MOTOR GASOLINE	3.0494	3.0038	2.9100	3.2486	4.4804	4.7266	4.8584	5.1625	5.3234	7.2643	9.8139
RESIDUAL FUEL	.5702	.7222	.7973	.9516	2.1665	2.1828	2.1000	2.3487	2.3314	3.2691	4.3342
ELECTRICITY	6.5946	6.9448	7.3829	7.7368	8.9214	10.3439	11.1158	11.7589	12.9816	14.2445	17.0782
INDUSTRIAL SECTOR											
ALL FUELS	.8886	.9839	1.0604	1.1880	1.8500	2.2294	2.4397	2.7999	3.1599	3.7888	5.0297
METALLURGICAL COAL	.4292	.5158	.5746	.6208	1.2627	1.5308	1.4800	1.6265	1.9119	1.8831	1.9904
OTHER COAL	.4022	.3699	.4448	.4475	.7098	1.0039	1.0839	1.2130	1.3813	1.3719	1.4625
NATURAL GAS	.4875	.5449	.6212	.6665	.7917	1.1917	1.4280	1.8015	2.0852	2.5611	3.0997
TOTAL PETROLEUM	1.0139	1.1270	1.0704	1.2364	2.3479	2.4522	2.5727	2.8501	2.9815	3.8280	5.6481
ASPHALT	.5965	.7911	.8309	.8302	1.6996	1.9880	1.9430	1.9725	2.2418	2.5679	3.8037
DISTILLATE FUEL	.7599	.7846	.7838	1.0625	2.1597	2.3279	2.4687	2.7760	2.9373	3.8467	6.2912
JET FUEL	.0000	.0000	.0000	.0000	.0000	2.1615	2.4412	2.7631	.0000	.0000	.0000
KEROSENE	.8264	.8533	.8525	1.1556	2.3488	2.5057	2.6619	3.0244	3.2109	4.8630	6.9421
LPG	1.0863	1.1604	1.1641	1.2700	2.2230	2.2320	2.4542	2.9796	3.1114	3.5392	4.6690
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	3.0494	3.0038	2.9100	3.2486	4.4804	4.7266	4.8584	5.1625	5.3234	7.2643	9.8139
RESIDUAL FUEL	.5576	.7062	.7797	.9306	2.1187	2.1346	2.0773	2.2793	2.3095	2.9366	3.9043
ROAD OIL	.9092	.9783	.9740	.9859	2.0510	2.0886	2.1708	2.1758	2.2212	2.5818	4.7529
OTHER PETROLEUM PRODUCTS	.7282	.7576	.7551	.9355	2.0341	2.2361	2.3887	2.6898	2.8327	3.9074	6.2121
ELECTRICITY	3.5713	3.7712	4.0649	4.2287	5.2251	6.4572	7.0569	7.7426	9.0133	9.7109	11.9670
TRANSPORTATION SECTOR											
ALL FUELS	2.4055	2.3737	2.3051	2.6028	3.7209	4.0460	4.1900	4.4969	4.7161	6.4094	8.8900
OTHER COAL	.4022	.3699	.4448	.4475	.7098	1.0039	1.0839	1.2130	.0000	.0000	.0000
NATURAL GAS	.2012	.2167	.2234	.2604	.2835	.5273	.5688	.8074	.9604	1.0845	1.7462
TOTAL PETROLEUM	2.4892	2.4389	2.3618	2.6586	3.7983	4.1036	4.2560	4.5731	4.7666	6.5175	9.0195
AVIATION GASOLINE	3.4553	3.5236	3.4986	3.7615	5.2408	5.6360	5.8299	6.4522	7.0471	10.2337	13.9778
DISTILLATE FUEL	1.3754	1.4132	1.4349	1.7755	2.6610	2.8105	2.9743	3.4184	3.5825	5.3430	7.3777
JET FUEL	.7741	.8133	.8104	.9615	1.6570	2.1615	2.4412	2.7631	2.9761	4.0641	6.6141
LPG	1.0863	1.1604	1.1641	1.2700	2.2230	2.2320	2.4542	2.9796	3.1114	3.5392	4.6690
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	3.0494	3.0038	2.9100	3.2486	4.4804	4.7266	4.8584	5.1625	5.3234	7.2643	9.8139
RESIDUAL FUEL	.5063	.6412	.7078	.8449	1.9235	1.9370	1.8980	2.0920	2.0235	3.2691	4.3342
ELECTRICITY	4.0848	4.4008	4.6781	5.0095	5.7646	6.1086	6.6821	7.1989	8.1658	9.3980	11.8406
ELECTRIC UTILITIES											
ALL FUELS	.3179	.3657	.3900	.5124	.6916	.8085	.8654	1.0395	1.2055	1.5358	1.8128
OTHER COAL	.2960	.3440	.3850	.5814	.7260	.9320	.9978	1.1779	1.4107	1.6576	1.9107
NATURAL GAS	.3498	.3790	.4283	.5978	.7618	1.1263	1.3693	1.7910	2.7318	2.7045	3.1846
TOTAL PETROLEUM	.6546	.6573	.8073	.8759	1.6731	1.7486	2.2425	2.5876	2.6516	3.9684	5.6852
DISTILLATE FUEL	.7461	.7530	.8129	.9827	2.0049	2.1558	2.4105	2.7833	2.8395	4.2742	6.2444
JET FUEL	.0000	.0000	1.6933	1.8333	2.5091	2.5029	2.6111	2.9933	3.0930	5.1256	9.8946
PETROLEUM COKE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
RESIDUAL FUEL	.5961	.6016	.6486	.6738	1.2419	1.3500	2.0374	2.4450	2.5306	3.8222	5.6000
NUCLEAR POWER	.1476	.1662	.1455	.1605	.2347	.1834	.1928	.2359	.2468	.3026	.3383
WOOD AND WASTE	.8000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE PRICES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: THE FOLLOWING FUEL SECTOR PRICES HAVE BEEN SUBSTITUTED (SEE THE DOCUMENTATION FOR THE DETAILS), COAL COMMERCIAL = COAL INDUSTRIAL, KEROSENE COMMERCIAL = KEROSENE INDUSTRIAL, LPG COMMERCIAL = LPG INDUSTRIAL, MOTOR GASOLINE COMMERCIAL = MOTOR GASOLINE TRANSPORTATION; JET FUEL INDUSTRIAL = JET FUEL TRANSPORTATION, MOTOR GASOLINE INDUSTRIAL = MOTOR GASOLINE TRANSPORTATION, OTHER PETROLEUM PRODUCTS INDUSTRIAL = DISTILLATE INDUSTRIAL UNITED STATES; COAL TRANSPORTATION = COAL INDUSTRIAL, LPG TRANSPORTATION = LPG INDUSTRIAL, LUBRICANTS TRANSPORTATION = LUBRICANTS INDUSTRIAL.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 46. Fuel Expenditures and Electricity Sales by Fuel Type, 1970-1980: Indiana (Million Dollars)

ENERGY EXPENDITURES ALL SECTORS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
COAL											
METALLURGICAL COAL	161	170	232	273	523	700	531	581	644	611	645
OTHER COAL	88	69	98	85	122	150	126	153	229	233	169
(INCLUDING ELECTRICITY GENERATION)	212	210	263	342	530	630	619	764	962	1,033	1,089
TOTAL COAL	250	240	330	357	645	850	658	733	873	845	814
(INCLUDING ELECTRICITY GENERATION)	374	380	495	615	1,053	1,329	1,150	1,345	1,605	1,644	1,734
NATURAL GAS											
TOTAL NATURAL GAS	364	402	446	444	489	546	591	709	861	1,215	1,425
(INCLUDING ELECTRICITY GENERATION)	375	415	454	448	497	555	595	710	867	1,222	1,430
PETROLEUM PRODUCTS											
ASPHALT AND ROAD OIL	31	45	41	51	99	83	71	84	120	130	128
AVIATION GASOLINE	5	5	5	5	7	6	8	9	11	13	17
DISTILLATE FUEL OIL	173	189	215	278	455	455	531	639	652	940	1,200
(INCLUDING ELECTRICITY GENERATION)	174	190	218	281	483	479	549	671	715	972	1,230
JET FUEL	11	12	13	16	24	32	37	42	44	62	90
(INCLUDING ELECTRICITY GENERATION)	11	12	13	16	24	32	37	43	44	63	90
KEROSENE	18	17	16	14	16	14	23	26	30	24	30
LIQUEFIED PETROLEUM GASES	64	63	75	121	128	156	191	248	219	291	344
LUBRICANTS	58	59	63	75	102	91	101	106	116	153	159
MOTOR GASOLINE	921	952	948	1,091	1,510	1,614	1,721	1,830	1,997	2,471	3,122
RESIDUAL FUEL	26	44	56	74	184	164	217	251	266	306	326
(INCLUDING ELECTRICITY GENERATION)	27	46	58	76	185	164	217	251	266	306	326
ALL OTHER PETROLEUM PRODUCTS	56	57	60	72	146	172	186	220	222	361	575
(INCLUDING ELECTRICITY GENERATION)	57	58	61	74	148	172	186	220	222	361	575
TOTAL PETROLEUM	1,363	1,442	1,492	1,796	2,672	2,788	3,086	3,453	3,677	4,752	5,991
(INCLUDING ELECTRICITY GENERATION)	1,366	1,446	1,497	1,804	2,703	2,811	3,104	3,486	3,739	4,785	6,020
NUCLEAR POWER, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
WOOD AND WASTE, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
ELECTRICITY SALES	664	711	826	927	1,025	1,258	1,489	1,853	2,129	2,353	2,507
TOTAL (INCLUDING ELECTRICITY SALES, EXCLUDING ELECTRICITY GENERATION)	2,640	2,795	3,094	3,523	4,830	5,441	5,824	6,749	7,540	9,165	10,736
TOTAL (EXCLUDING ELECTRICITY SALES, INCLUDING ELECTRICITY GENERATION)	2,114	2,241	2,446	2,867	4,252	4,696	4,849	5,541	6,211	7,651	9,184

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.
NOTE: THERE ARE NO PURCHASED FUEL EXPENDITURES FOR ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.
NOTE: DATA FOR 1980 DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.
NOTE: THE "ALL OTHER PETROLEUM PRODUCTS" CATEGORY INCLUDES NATURAL GASOLINE, UNFRACTIONATED STREAM, PLANT CONDENSATE, PETRO CHEMICAL FEEDSTOCKS, SPECIAL NAPHTHAS, PETROLEUM COKE (NOT CONSUMED IN ELECTRIC UTILITIES), STILL GAS, WAX, AND MISCELLANEOUS PRODUCTS. THE "(INCLUDING ELECTRICITY GENERATION)" CATEGORY INCLUDES PETROLEUM COKE FUEL EXPENDITURES FOR ELECTRIC UTILITIES.
NOTE: EXCLUDES NET IMPORTS OF COAL COKE; THEREFORE, THE SUM OF ALL STATES WILL NOT EQUAL TOTAL U.S.
SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 47. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Indiana (Million Dollars)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
TOTAL ENERGY	589.87	636.01	713.80	796.21	884.29	977.82	1,107.31	1,302.78	1,461.25	1,681.11	1,860.21
OTHER COAL	1.97	5.98	8.25	5.70	11.77	20.85	14.45	8.88	4.14	3.68	5.65
NATURAL GAS (DRY)	164.60	180.49	196.64	189.36	207.90	244.14	266.62	315.59	375.21	471.26	534.57
TOTAL PETROLEUM	121.78	126.92	141.02	198.41	224.36	235.87	283.79	318.59	330.96	394.36	427.59
DISTILLATE FUEL	54.75	62.83	67.43	84.38	127.18	126.09	156.60	178.49	193.34	207.07	221.15
KEROSENE	16.58	15.46	15.17	13.19	14.45	12.63	20.68	22.91	26.54	17.38	23.90
LPG	50.45	48.62	58.42	100.84	82.72	97.14	106.51	117.19	111.08	169.91	182.53
ELECTRICITY	301.51	322.61	367.89	402.75	440.27	476.96	542.45	659.71	750.93	811.80	892.40
COMMERCIAL SECTOR											
TOTAL ENERGY	247.80	267.68	310.69	336.57	387.01	448.41	517.39	603.69	653.78	767.46	854.02
OTHER COAL	5.90	4.48	7.26	4.29	7.57	17.48	10.34	7.41	4.49	3.43	5.01
NATURAL GAS (DRY)	66.27	70.57	80.68	77.34	82.32	90.40	104.00	119.68	144.62	187.59	214.26
TOTAL PETROLEUM	29.81	35.41	38.19	46.15	79.39	78.07	99.09	118.87	124.87	137.57	173.09
DISTILLATE FUEL	16.75	19.00	20.35	25.96	41.10	41.10	50.67	58.18	62.25	69.22	76.31
KEROSENE	.82	.83	.88	.82	1.18	.95	1.52	1.68	1.95	1.37	1.17
LPG	5.98	6.45	7.32	7.38	12.52	12.81	13.85	16.82	16.56	18.61	24.82
MOTOR GASOLINE	3.93	3.46	3.41	3.62	3.46	3.00	3.17	6.89	4.07	5.24	11.58
RESIDUAL FUEL	2.33	5.67	6.23	8.36	21.14	20.20	29.88	35.30	40.06	43.13	59.21
ELECTRICITY	145.82	157.21	184.56	208.79	217.72	262.45	303.96	357.73	379.80	438.87	461.65
INDUSTRIAL SECTOR											
TOTAL ENERGY	820.01	865.54	1,022.90	1,170.46	1,844.26	2,176.31	2,219.07	2,691.32	3,117.88	3,639.77	4,034.72
METALLURGICAL COAL	161.38	170.50	231.69	272.50	522.93	699.62	531.34	580.72	643.93	611.31	645.07
OTHER COAL	80.16	58.72	82.46	74.51	102.08	111.67	101.39	136.21	220.75	226.09	158.22
NATURAL GAS (DRY)	130.67	148.22	165.58	173.35	195.12	207.57	218.45	269.76	337.08	544.38	659.87
TOTAL PETROLEUM	231.76	257.50	269.85	335.26	657.63	639.45	725.97	869.06	918.56	1,156.06	1,419.71
ASPHALT	29.97	42.34	38.52	47.80	96.60	81.11	70.85	83.43	119.55	130.38	127.20
DISTILLATE FUEL	43.95	46.48	46.47	62.24	117.45	118.71	131.62	151.37	159.70	162.61	176.70
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KEROSENE	.52	.55	.33	.36	.84	.75	1.28	1.25	1.45	5.60	5.13
LPG	7.04	7.52	9.08	12.45	31.93	45.90	70.03	112.89	90.64	101.87	135.90
LUBRICANTS	35.60	36.71	39.71	48.72	66.49	47.72	52.90	65.25	71.36	93.64	97.41
MOTOR GASOLINE	34.99	26.55	24.22	24.28	36.16	31.54	29.38	22.64	30.49	39.59	38.98
RESIDUAL FUEL	22.68	37.26	49.12	64.65	159.73	140.40	183.79	212.26	223.23	261.17	262.92
ROAD OIL	.75	2.97	2.38	2.71	2.38	1.44	.21	.19	.34	.09	.30
OTHER PETROLEUM PRODUCTS	56.26	57.13	60.02	72.04	146.07	171.88	185.91	219.77	221.79	361.12	575.17
ELECTRICITY	216.04	230.60	273.32	314.83	366.50	518.00	641.92	835.57	997.57	1,101.93	1,151.85
TRANSPORTATION SECTOR											
TOTAL ENERGY	982.72	1,026.03	1,046.66	1,220.11	1,714.92	1,838.63	1,979.80	2,151.25	2,307.32	3,076.69	3,987.31
OTHER COAL	.40	.22	.28	.19	.21	.09	.04	.03	.00	.00	.00
NATURAL GAS (DRY)	2.45	2.95	3.37	3.45	3.60	3.78	2.35	3.96	4.28	12.23	15.96
TOTAL PETROLEUM	979.64	1,022.66	1,042.77	1,216.26	1,710.84	1,834.37	1,977.07	2,146.84	2,302.62	3,063.93	3,970.71
AVIATION GASOLINE	5.42	5.26	4.55	4.86	7.24	6.18	7.54	8.54	10.86	12.59	17.08
DISTILLATE FUEL	57.55	60.37	80.77	105.10	169.76	169.43	192.35	250.71	237.21	501.24	726.24
JET FUEL	11.23	12.44	12.95	15.54	24.28	31.95	36.92	42.31	44.32	62.16	89.64
LPG	.23	.27	.29	.34	.56	.53	.61	.74	.72	.81	1.08
LUBRICANTS	22.30	21.91	23.70	26.38	36.00	43.26	47.96	41.19	45.04	59.11	61.49
MOTOR GASOLINE	882.18	921.69	919.92	1,063.52	1,470.20	1,579.73	1,688.58	1,800.02	1,962.15	2,425.91	3,071.54
RESIDUAL FUEL	.74	.72	.60	.52	2.81	3.29	3.11	3.33	2.31	2.11	3.64
ELECTRICITY	.22	.19	.24	.21	.27	.39	.35	.41	.42	.53	.64
ELECTRIC UTILITIES											
TOTAL ENERGY	137.06	156.43	178.14	270.66	446.65	512.48	514.09	645.83	799.68	839.07	954.08
OTHER COAL	123.74	140.15	164.74	257.76	408.11	479.56	492.48	611.38	732.14	799.92	920.03
NATURAL GAS (DRY)	10.57	12.49	7.81	4.89	8.01	9.20	3.51	1.47	5.38	6.29	4.94
TOTAL PETROLEUM	2.75	3.79	5.58	8.01	30.53	23.71	18.10	32.98	62.15	32.86	29.11
DISTILLATE FUEL	1.26	1.38	3.24	3.41	27.61	23.71	18.10	32.66	62.15	31.87	29.11
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.32	.00	.99	.00
PETROLEUM COKE	.67	.50	.59	1.94	2.08	.00	.00	.00	.00	.00	.00
RESIDUAL FUEL	.81	1.91	1.75	2.66	.85	.00	.00	.00	.00	.00	.00
NUCLEAR POWER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WOOD AND WASTE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

NOTE: EXCLUDES NET IMPORTS OF COAL COKE TO THE INDUSTRIAL SECTOR BY STATE.

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE EXPENDITURES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL SINCE THERE ARE NO ASSOCIATED FUEL COSTS FOR THESE ENERGY SOURCES.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MEXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: COAL INCLUDES ANTHRACITE, BITUMINOUS, AND LIGNITE EXCEPT IN THE TRANSPORTATION SECTOR WHICH DOES NOT CONSUME ANTHRACITE.

NOTE: RESIDENTIAL, COMMERCIAL, INDUSTRIAL, AND TRANSPORTATION EXPENDITURES EXCLUDE ENERGY EXPENDITURES FOR WOOD AND WOOD WASTE.

NOTE: EXPENDITURES ON NET IMPORTS OF COAL COKE ARE NOT DISTRIBUTED BY STATE; THEREFORE, THE SUM OF THE TOTAL EXPENDITURES BY STATE WILL NOT EQUAL THE TOTAL U.S. EXPENDITURE.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, THE ENERGY, PRICE, AND EXPENDITURES DATA SYSTEM (EPEDS)

Table 48. Average Annual Fuel Prices by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Indiana (Dollars per Million Btu)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
ALL FUELS	1.9810	2.0670	2.1940	2.6089	2.9162	3.1722	3.6184	4.2484	4.5330	5.3485	6.3235
OTHER COAL	.2758	.8750	1.0342	1.1727	2.2866	2.5156	2.5207	2.4512	2.5667	2.6710	2.8178
NATURAL GAS	1.0060	1.0757	1.1312	1.1974	1.2839	1.4697	1.7117	2.0424	2.1921	2.6736	3.1897
TOTAL PETROLEUM	1.5042	1.5105	1.5462	2.2962	2.8143	3.0252	3.2383	3.6648	3.7924	5.3164	7.2651
DISTILLATE FUEL	1.1718	1.2638	1.2726	1.6039	2.5674	2.5658	2.8097	3.1997	3.3952	4.6694	7.0661
KEROSENE	1.5918	1.5156	1.3876	1.7613	2.8284	3.1087	3.2483	3.8327	4.0143	5.7308	8.5675
LPG	2.1178	2.0170	2.1411	3.8327	3.2992	3.9233	4.1713	4.6556	4.6843	6.3400	7.3700
ELECTRICITY	6.5515	6.5791	7.0313	7.2193	7.8001	8.5366	9.5351	10.7133	12.0516	12.9901	13.5784
COMMERCIAL SECTOR											
ALL FUELS	1.7346	1.7908	1.9053	2.2412	2.5957	2.9679	3.3729	4.0878	4.3620	5.1902	5.9531
OTHER COAL	.4682	.3681	.5040	.4989	.8193	1.1507	.9807	1.1180	1.5305	1.3627	1.3500
NATURAL GAS	.8288	.8778	.9210	.9868	1.0594	1.2571	1.5125	1.8576	2.0310	2.4824	2.9871
TOTAL PETROLEUM	1.0616	1.0710	1.0902	1.3076	2.3193	2.3575	2.3828	2.7987	2.8895	3.9084	5.3186
DISTILLATE FUEL	1.0310	1.0992	1.1046	1.4194	2.3861	2.4056	2.6147	2.9997	3.1437	4.4890	6.6299
KEROSENE	.8065	.8327	.8320	1.1278	2.3712	2.4115	2.4583	2.8935	3.0270	4.6616	6.6547
LPG	1.4232	1.5160	1.5209	1.5902	2.8290	2.9320	3.0728	3.7862	3.9562	3.9341	5.6793
MOTOR GASOLINE	2.9767	3.0069	2.8422	3.1441	4.4700	4.7541	4.8667	5.1643	5.3849	7.1952	9.8742
RESIDUAL FUEL	.4405	.6051	.6531	.7982	1.8688	1.8997	1.8186	2.1111	2.2463	3.0752	3.8660
ELECTRICITY	6.5615	6.5961	7.0919	7.4801	7.7994	8.5035	9.3504	10.4749	11.6763	12.6908	13.0150
INDUSTRIAL SECTOR											
ALL FUELS	.7344	.7947	.8517	.9691	1.6101	2.0258	2.1038	2.5158	2.8645	3.1232	3.9036
METALLURGICAL COAL	.4554	.5642	.6050	.7073	1.4242	1.8173	1.5631	1.7377	2.0827	1.9327	2.1942
OTHER COAL	.4682	.3681	.5040	.4989	.8193	1.1507	.9807	1.1180	1.5305	1.3627	1.3500
NATURAL GAS	.4721	.5090	.5537	.5912	.7022	.9110	1.0900	1.4908	1.7067	2.1900	2.6331
TOTAL PETROLEUM	.9164	.9461	.9462	1.1138	2.2264	2.3390	2.3544	2.6785	2.7970	3.5960	5.3182
ASPHALT	.7557	.8564	.8733	.8787	1.8009	2.0497	1.9955	2.0458	2.1433	2.5602	3.7186
DISTILLATE FUEL	.7416	.7657	.7650	1.0370	2.1803	2.2404	2.2798	2.6558	2.7691	3.7386	6.0307
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
KEROSENE	.8065	.8327	.8320	1.1278	2.3712	2.4115	2.4583	2.8935	3.0270	4.6616	6.6547
LPG	1.4232	1.5160	1.5209	1.5902	2.8290	2.9320	3.0728	3.7862	3.9562	3.9341	5.6793
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.9767	3.0069	2.8422	3.1441	4.4700	4.7541	4.8667	5.1643	5.3849	7.1952	9.8742
RESIDUAL FUEL	.4307	.5917	.6387	.7806	1.8276	1.8578	1.7989	2.0487	2.2252	2.7624	3.4826
ROAD OIL	.9092	.9783	.9740	.9859	2.0510	2.0886	2.1708	2.1758	2.2212	2.5818	4.5696
OTHER PETROLEUM PRODUCTS	.7282	.7576	.7551	.9355	2.0341	2.2361	2.3887	2.6898	2.8327	3.9074	6.2121
ELECTRICITY	3.5270	3.5984	3.8972	3.9923	4.5569	5.6914	6.2499	7.7130	9.1400	9.7414	10.9856
TRANSPORTATION SECTOR											
ALL FUELS	2.5995	2.6214	2.4691	2.7712	3.9983	4.2891	4.4494	4.7615	4.9857	6.5422	9.0030
OTHER COAL	.4682	.3681	.5040	.4989	.8193	1.1507	.9807	1.1180	.0000	.0000	.0000
NATURAL GAS	.2133	.2311	.2484	.2667	.2808	.3858	.4570	.8163	.8656	1.2197	1.7507
TOTAL PETROLEUM	2.6792	2.7053	2.5451	2.8489	4.1145	4.3805	4.4959	4.8040	5.0296	6.6575	9.1546
AVIATION GASOLINE	3.4553	3.5236	3.4986	3.7615	5.2408	5.6360	5.8299	6.4522	7.0471	9.6513	13.5618
DISTILLATE FUEL	1.2170	1.2230	1.2717	1.5976	2.6276	2.6619	2.7883	3.3262	3.3417	4.9766	7.1049
JET FUEL	.7741	.8133	.8104	.9615	1.6570	2.1615	2.4412	2.7631	2.9761	4.0641	6.6141
LPG	1.4232	1.5160	1.5209	1.5902	2.8290	2.9320	3.0728	3.7862	3.9562	3.9341	5.6793
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.9767	3.0069	2.8422	3.1441	4.4700	4.7541	4.8667	5.1643	5.3849	7.1952	9.8742
RESIDUAL FUEL	.3567	.4899	.5288	.6463	1.5133	1.5369	1.5219	1.7197	1.7431	2.5457	2.8962
ELECTRICITY	5.2336	5.7537	5.6272	6.0896	7.5684	9.4993	11.1372	13.3466	15.5823	17.0233	21.5123
ELECTRIC UTILITIES											
ALL FUELS	.2568	.2915	.3236	.4486	.7726	.8512	.8115	.9841	1.2431	1.2071	1.2981
OTHER COAL	.2480	.2810	.3140	.4428	.7505	.8274	.7927	.9535	1.1873	1.1695	1.2635
NATURAL GAS	.3476	.3855	.4235	.4658	.5616	.8160	1.0859	1.3353	1.6554	2.1918	2.5094
TOTAL PETROLEUM	.6273	.6906	.7492	.7453	1.5234	2.1192	2.0125	2.3617	2.6569	3.9695	5.9848
DISTILLATE FUEL	.8308	.8706	.8642	1.0046	1.7452	2.1192	2.0125	2.3605	2.6569	3.9418	5.9848
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	2.4903	.0000	5.1310	.0000
PETROLEUM COKE	.4400	.4700	.4900	.5100	.5600	.0000	.0000	.0000	.0000	.0000	.0000
RESIDUAL FUEL	.6107	.6723	.7016	.7488	1.6428	.0000	.0000	.0000	.0000	.0000	.0000
NUCLEAR POWER	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
WOOD AND WASTE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE PRICES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: THE FOLLOWING FUEL SECTOR PRICES HAVE BEEN SUBSTITUTED (SEE THE DOCUMENTATION FOR THE DETAILS), COAL COMMERCIAL = COAL INDUSTRIAL, KEROSENE COMMERCIAL = KEROSENE INDUSTRIAL, LPG COMMERCIAL = LPG INDUSTRIAL, MOTOR GASOLINE COMMERCIAL = MOTOR GASOLINE TRANSPORTATION; JET FUEL INDUSTRIAL = JET FUEL TRANSPORTATION, MOTOR GASOLINE INDUSTRIAL = MOTOR GASOLINE TRANSPORTATION, OTHER PETROLEUM PRODUCTS INDUSTRIAL = DISTILLATE INDUSTRIAL UNITED STATES; COAL TRANSPORTATION = COAL INDUSTRIAL, LPG TRANSPORTATION = LPG INDUSTRIAL, LUBRICANTS TRANSPORTATION = LUBRICANTS INDUSTRIAL.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 49. Fuel Expenditures and Electricity Sales by Fuel Type, 1970-1980: Iowa (Million Dollars)

ENERGY EXPENDITURES ALL SECTORS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
COAL											
METALLURGICAL COAL	0	0	0	0	0	0	0	0	0	0	0
OTHER COAL	20	16	18	19	27	37	40	43	54	64	54
(INCLUDING ELECTRICITY GENERATION)	47	50	60	81	103	135	175	205	233	244	302
TOTAL COAL	20	16	18	19	27	37	40	43	54	64	54
(INCLUDING ELECTRICITY GENERATION)	47	50	60	81	103	135	175	205	233	244	302
NATURAL GAS											
TOTAL NATURAL GAS	175	185	215	237	260	309	360	431	448	650	738
(INCLUDING ELECTRICITY GENERATION)	196	208	238	264	291	342	385	449	462	667	755
PETROLEUM PRODUCTS											
ASPHALT AND ROAD OIL	14	17	17	15	30	31	32	34	40	53	43
AVIATION GASOLINE	3	3	3	1	4	4	5	6	7	9	11
DISTILLATE FUEL OIL	78	85	89	117	189	196	224	267	288	517	601
(INCLUDING ELECTRICITY GENERATION)	80	87	93	121	198	202	236	281	303	541	602
JET FUEL	3	3	3	4	7	10	14	17	20	27	34
(INCLUDING ELECTRICITY GENERATION)	3	3	3	4	7	10	14	17	20	27	34
KEROSENE	4	3	4	5	5	3	4	4	4	13	7
LIQUEFIED PETROLEUM GASES	68	66	79	123	152	155	224	252	229	301	357
LUBRICANTS	26	21	23	27	37	37	41	42	46	61	63
MOTOR GASOLINE	530	569	601	689	837	942	1,034	1,122	1,165	1,432	1,820
RESIDUAL FUEL	1	1	1	2	6	5	8	10	8	15	8
(INCLUDING ELECTRICITY GENERATION)	1	2	1	4	7	5	8	10	8	15	9
ALL OTHER PETROLEUM PRODUCTS	6	6	6	8	17	17	24	31	31	43	49
(INCLUDING ELECTRICITY GENERATION)	6	6	6	8	17	17	24	31	31	44	49
TOTAL PETROLEUM	732	775	826	992	1,286	1,401	1,610	1,785	1,840	2,471	2,993
(INCLUDING ELECTRICITY GENERATION)	734	777	831	998	1,295	1,408	1,622	1,800	1,854	2,495	2,995
NUCLEAR POWER, ELECTRICITY GENERATION	0	0	0	0	4	6	7	8	4	10	12
WOOD AND WASTE, ELECTRICITY GENERATION	*	*	*	*	*	*	*	*	*	0	1
ELECTRICITY SALES	336	368	412	453	507	623	708	823	922	1,044	1,152
TOTAL (INCLUDING ELECTRICITY SALES, EXCLUDING ELECTRICITY GENERATION)	1,263	1,343	1,471	1,702	2,080	2,371	2,719	3,081	3,264	4,230	4,937
TOTAL (EXCLUDING ELECTRICITY SALES, INCLUDING ELECTRICITY GENERATION)	977	1,035	1,129	1,343	1,694	1,891	2,188	2,463	2,554	3,415	4,064

* LESS THAN .5.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: THERE ARE NO PURCHASED FUEL EXPENDITURES FOR ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: DATA FOR 1980 DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.

NOTE: THE "ALL OTHER PETROLEUM PRODUCTS" CATEGORY INCLUDES NATURAL GASOLINE, UNFRACTIONATED STREAM, PLANT CONDENSATE, PETRO CHEMICAL FEEDSTOCKS, SPECIAL NAPHTHAS, PETROLEUM COKE (NOT CONSUMED IN ELECTRIC UTILITIES), STILL GAS, WAX, AND MISCELLANEOUS PRODUCTS. THE "(INCLUDING ELECTRICITY GENERATION)" CATEGORY INCLUDES PETROLEUM COKE FUEL EXPENDITURES FOR ELECTRIC UTILITIES.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE; THEREFORE, THE SUM OF ALL STATES WILL NOT EQUAL TOTAL U.S.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 50. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Iowa (Million Dollars)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
TOTAL ENERGY	332.33	344.39	388.51	446.25	480.37	556.17	611.70	699.55	762.70	990.46	1,065.08
OTHER COAL	.59	1.08	.81	.82	2.75	4.62	1.45	1.43	6.95	7.63	2.94
NATURAL GAS (DRY)	94.41	96.21	108.59	107.67	113.60	136.26	146.13	170.75	184.64	261.53	276.85
TOTAL PETROLEUM	66.26	61.62	74.13	116.89	118.30	118.09	136.54	148.50	143.86	248.91	255.98
DISTILLATE FUEL	15.04	14.20	16.17	19.46	27.02	26.21	29.08	35.13	40.53	84.50	94.04
KEROSENE	2.89	2.27	3.16	3.88	3.36	2.34	2.29	2.85	3.03	7.59	2.16
LPG	48.33	45.16	54.80	93.56	87.92	89.54	105.17	110.52	100.30	156.82	159.77
ELECTRICITY	171.07	185.48	204.98	220.86	245.72	297.20	327.57	378.87	427.26	472.39	529.31
COMMERCIAL SECTOR											
TOTAL ENERGY	151.21	164.88	185.47	204.64	230.71	287.86	338.69	393.63	420.07	536.97	513.84
OTHER COAL	1.15	.79	.53	.57	1.29	2.37	1.06	1.29	4.77	6.32	2.16
NATURAL GAS (DRY)	40.02	44.10	52.23	57.40	60.91	71.95	84.72	101.18	98.94	141.42	146.97
TOTAL PETROLEUM	15.27	15.61	17.18	19.75	30.56	30.71	47.45	63.09	66.01	100.89	70.45
DISTILLATE FUEL	5.48	5.15	5.86	7.15	10.37	10.00	11.08	13.41	15.41	33.30	28.45
KEROSENE	.06	.05	.07	.10	.11	.07	.07	.09	.09	.25	.18
LPG	5.48	5.91	6.44	6.82	11.54	11.38	12.98	14.69	14.23	15.92	21.85
MOTOR GASOLINE	4.03	4.19	4.47	4.97	6.61	7.80	21.07	32.11	33.90	47.15	17.97
RESIDUAL FUEL	.22	.31	.34	.70	1.93	1.45	2.25	2.80	2.38	4.26	1.99
ELECTRICITY	94.77	104.37	115.53	126.92	137.96	182.83	205.45	228.06	250.34	288.34	294.26
INDUSTRIAL SECTOR											
TOTAL ENERGY	274.56	272.79	299.97	362.51	486.89	533.32	649.13	756.66	790.34	1,036.19	1,261.00
METALLURGICAL COAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER COAL	18.20	14.11	16.27	17.92	23.07	30.35	37.66	39.99	42.21	50.45	48.46
NATURAL GAS (DRY)	36.89	40.76	49.84	68.72	80.96	95.77	124.78	153.85	159.85	234.03	294.18
TOTAL PETROLEUM	148.82	140.11	142.43	170.91	259.36	263.92	311.22	346.92	343.64	468.18	590.22
ASPHALT	12.60	15.94	16.01	14.31	28.31	29.67	31.34	32.71	37.87	53.05	41.36
DISTILLATE FUEL	25.80	26.20	24.70	33.57	58.82	57.18	62.30	69.92	84.56	146.86	161.44
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KEROSENE	.70	.54	.70	1.00	1.68	.92	1.24	1.00	1.06	5.19	4.19
LPG	13.91	15.28	17.62	22.37	52.55	53.97	105.74	126.10	114.13	127.71	175.24
LUBRICANTS	8.04	6.79	7.34	8.91	12.16	8.77	9.72	11.42	12.49	16.38	17.04
MOTOR GASOLINE	80.04	67.11	67.96	80.05	82.37	91.47	70.75	65.94	54.40	64.71	134.30
RESIDUAL FUEL	.85	.92	.80	1.64	4.52	3.45	5.35	7.26	5.85	10.53	6.23
ROAD OIL	1.30	1.16	.89	.74	2.03	1.75	.47	1.61	2.53	.34	1.18
OTHER PETROLEUM PRODUCTS	5.57	6.17	6.41	8.33	16.90	16.73	24.30	30.95	30.75	43.41	49.23
ELECTRICITY	70.65	77.81	91.42	104.95	123.51	143.28	175.46	215.90	244.62	283.53	328.13
TRANSPORTATION SECTOR											
TOTAL ENERGY	504.76	561.09	596.60	688.48	882.15	993.95	1,119.00	1,231.56	1,291.04	1,665.98	2,096.70
OTHER COAL	.03	.02	.02	.01	.01	*	*	*	.00	.00	.00
NATURAL GAS (DRY)	3.22	3.75	4.13	3.60	4.52	5.49	4.68	5.17	4.93	12.84	20.08
TOTAL PETROLEUM	501.52	557.32	592.46	684.86	877.62	988.45	1,114.32	1,226.39	1,286.10	1,653.13	2,076.62
AVIATION GASOLINE	2.71	2.85	2.69	1.43	4.36	4.49	5.48	5.91	6.60	8.50	10.96
DISTILLATE FUEL	31.85	39.17	41.98	56.62	93.06	102.19	121.32	148.29	147.78	252.60	317.10
JET FUEL	3.21	3.03	3.38	3.91	7.12	10.34	13.76	16.82	20.38	26.72	33.98
LPG	.12	.12	.12	.15	.24	.20	.17	.20	.24	.27	.37
LUBRICANTS	17.55	14.29	15.45	18.42	25.14	28.40	31.48	31.05	33.96	44.56	46.36
MOTOR GASOLINE	446.00	497.84	528.83	604.32	747.69	842.84	941.87	1,023.94	1,077.04	1,320.48	1,667.84
RESIDUAL FUEL	.09	.03	.00	.00	.00	.00	.26	.18	.10	.00	.00
ELECTRICITY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRIC UTILITIES											
TOTAL ENERGY	51.01	59.51	70.88	94.01	120.72	143.23	178.42	204.02	212.36	230.09	279.42
OTHER COAL	27.03	33.52	42.52	61.79	75.96	97.26	134.53	162.52	179.19	179.11	248.43
NATURAL GAS (DRY)	21.84	23.11	23.45	26.20	31.23	32.53	24.27	18.14	13.98	17.18	17.01
TOTAL PETROLEUM	1.82	2.48	4.50	5.58	8.92	6.70	12.24	14.69	14.60	23.89	1.75
DISTILLATE FUEL	1.63	2.02	4.19	4.28	8.44	6.70	12.24	14.69	14.60	23.65	1.38
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PETROLEUM COKE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.24	.00
RESIDUAL FUEL	.20	.46	.30	1.31	.48	.00	.00	.00	.00	.00	.38
NUCLEAR POWER	.00	.00	.00	.00	4.26	6.28	6.97	8.38	4.47	9.91	11.67
WOOD AND WASTE	.32	.41	.41	.44	.36	.45	.42	.28	.11	.00	.55

* LESS THAN .005.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE TO THE INDUSTRIAL SECTOR BY STATE.

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE EXPENDITURES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL SINCE THERE ARE NO ASSOCIATED FUEL COSTS FOR THESE ENERGY SOURCES.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MEXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: COAL INCLUDES ANTHRACITE, BITUMINOUS, AND LIGNITE EXCEPT IN THE TRANSPORTATION SECTOR WHICH DOES NOT CONSUME ANTHRACITE.

NOTE: RESIDENTIAL, COMMERCIAL, INDUSTRIAL, AND TRANSPORTATION EXPENDITURES EXCLUDE ENERGY EXPENDITURES FOR WOOD AND WOOD WASTE.

NOTE: EXPENDITURES ON NET IMPORTS OF COAL COKE ARE NOT DISTRIBUTED BY STATE; THEREFORE, THE SUM OF THE TOTAL EXPENDITURES BY STATE WILL NOT EQUAL THE TOTAL U.S. EXPENDITURE.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, THE ENERGY, PRICE, AND EXPENDITURES DATA SYSTEM (EPEDS)

Table 51. Average Annual Fuel Prices by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Iowa (Dollars per Million Btu)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
ALL FUELS	2.0316	2.1731	2.3097	2.7585	3.0142	3.4280	3.8624	4.4937	5.0004	5.5219	6.6717
OTHER COAL	.3519	.9558	1.1538	1.1590	2.6600	3.6860	2.6727	2.2640	3.2300	2.5976	2.9515
NATURAL GAS	.9517	1.0118	1.0961	1.1561	1.2067	1.4156	1.5992	1.9272	2.2470	2.6777	3.1824
TOTAL PETROLEUM	1.6321	1.5852	1.7000	2.7950	3.1472	3.2548	3.6205	4.0979	4.0712	5.4511	6.8438
DISTILLATE FUEL	1.1575	1.2182	1.2246	1.5522	2.4346	2.5595	2.7548	3.1922	3.3023	4.4307	6.7921
KEROSENE	1.5711	1.6191	1.6216	1.8561	2.7798	2.9880	3.2615	3.7331	3.9675	5.4668	8.1091
LPG	1.8758	1.7491	1.9259	3.4401	3.4776	3.5449	3.9755	4.5167	4.4980	6.2225	6.8600
ELECTRICITY	7.7374	7.9317	8.2563	8.4605	9.2356	10.4467	11.3988	12.5445	12.9979	14.2717	15.4546
COMMERCIAL SECTOR											
ALL FUELS	1.7542	1.8842	2.0356	2.1961	2.4438	2.9075	3.4113	4.0303	4.6870	5.1224	6.1942
OTHER COAL	.3701	.3771	.4046	.4335	.6704	1.0190	1.0514	1.1014	1.1954	1.1983	1.3192
NATURAL GAS	.6778	.7234	.8253	.8883	.9286	1.0541	1.2844	1.6407	1.9794	2.3825	2.8372
TOTAL PETROLEUM	1.3096	1.3973	1.3913	1.6058	2.6233	2.7831	3.3086	3.8840	4.0730	4.9683	6.5061
DISTILLATE FUEL	1.0527	1.1037	1.1081	1.4239	2.3311	2.4375	2.6194	3.0398	3.1337	4.3571	6.5307
KEROSENE	.8067	.8329	.8321	1.1280	2.1953	2.3301	2.5483	2.7806	3.0265	4.4610	6.2049
LPG	1.2062	1.2966	1.2831	1.4211	2.5868	2.5525	2.7794	3.4023	3.6162	3.5803	5.3162
MOTOR GASOLINE	2.8264	2.9026	2.9804	3.1168	4.1000	4.5936	4.8304	5.1796	5.4204	7.0822	9.7897
RESIDUAL FUEL	.5341	.6913	.7434	.8863	1.7924	1.9583	2.1402	2.1783	2.2255	2.8376	4.0155
ELECTRICITY	7.6491	7.8683	8.1517	8.4899	9.0496	10.5131	11.4342	12.2724	12.8793	14.4994	15.7449
INDUSTRIAL SECTOR											
ALL FUELS	1.0008	1.0389	1.1111	1.1949	1.6527	1.9770	2.2004	2.6239	2.9578	3.2930	4.4640
METALLURGICAL COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
OTHER COAL	.3701	.3771	.4046	.4335	.6704	1.0190	1.0514	1.1014	1.1954	1.1983	1.3192
NATURAL GAS	.3616	.3872	.4599	.5119	.5935	.7728	1.0009	1.3455	1.6554	1.9455	2.5086
TOTAL PETROLEUM	1.4183	1.3929	1.4289	1.6470	2.6140	2.8244	2.8452	3.1446	3.2426	3.8357	6.1049
ASPHALT	.7039	.8167	.8521	.8640	1.7644	2.0619	1.9628	2.0189	2.1364	2.5511	3.7544
DISTILLATE FUEL	.7532	.7777	.7770	1.0532	2.0498	2.1545	2.3708	2.5785	2.7811	3.8034	5.9272
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
KEROSENE	.8067	.8329	.8321	1.1280	2.1953	2.3301	2.5483	2.7806	3.0265	4.4610	6.2049
LPG	1.2062	1.2966	1.2831	1.4211	2.5868	2.5525	2.7794	3.4023	3.6162	3.5803	5.3162
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.8264	2.9026	2.9804	3.1168	4.1000	4.5936	4.8304	5.1796	5.4204	7.0822	9.7897
RESIDUAL FUEL	.5223	.6760	.7270	.8668	1.7528	1.9151	2.1171	2.1139	2.2045	2.5490	3.6172
ROAD OIL	.9092	.9783	.9740	.9859	2.0510	2.0886	2.1708	2.1758	2.2212	2.5818	4.5696
OTHER PETROLEUM PRODUCTS	.7282	.7576	.7551	.9355	2.0341	2.2361	2.3887	2.6898	2.8327	3.9074	6.2121
ELECTRICITY	3.8792	4.0305	4.2124	4.3729	5.0284	6.3374	6.9810	7.8808	8.3337	9.3841	10.3208
TRANSPORTATION SECTOR											
ALL FUELS	2.4044	2.4428	2.5055	2.6980	3.5947	4.0184	4.3588	4.7360	4.9869	6.4407	8.8002
OTHER COAL	.3701	.3771	.4046	.4335	.6704	1.0190	1.0514	1.1014	.0000	.0000	.0000
NATURAL GAS	.1704	.1832	.1982	.2140	.2572	.3343	.5176	.7281	.9848	1.1713	1.5465
TOTAL PETROLEUM	2.6259	2.6642	2.7269	2.8736	3.8527	4.2804	4.4990	4.8487	5.0659	6.6740	9.2183
AVIATION GASOLINE	3.4553	3.5236	3.4986	3.7615	5.2408	5.6360	5.8299	6.4522	7.0471	9.4017	13.6450
DISTILLATE FUEL	1.2610	1.2738	1.2966	1.5315	2.4862	2.6247	2.8479	3.2814	3.3448	4.9993	6.9014
JET FUEL	.8052	.8459	.8430	1.0000	1.7237	2.2481	2.4552	2.8820	3.1130	4.3186	6.9102
LPG	1.2062	1.2966	1.2831	1.4211	2.5868	2.5525	2.7794	3.4023	3.6162	3.5803	5.3162
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.8264	2.9026	2.9804	3.1168	4.1000	4.5936	4.8304	5.1796	5.4204	7.0822	9.7897
RESIDUAL FUEL	.5341	.6913	.0000	.0000	.0000	.0000	2.1402	2.1783	2.2255	.0000	.0000
ELECTRICITY	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
ELECTRIC UTILITIES											
ALL FUELS	.3050	.3552	.4008	.5174	.6727	.8066	.9151	1.0066	1.0952	1.0341	1.1883
OTHER COAL	.3210	.3700	.3900	.5488	.7816	.9669	.9920	1.0702	1.0749	1.0144	1.2410
NATURAL GAS	.2719	.3143	.3766	.4135	.4994	.6757	.9192	1.2975	1.6540	1.9941	2.4076
TOTAL PETROLEUM	.7800	.8423	.8882	1.0592	1.9638	2.1075	2.3509	2.6677	2.6919	3.6313	5.5638
DISTILLATE FUEL	.8207	.9181	.9170	1.1580	1.9845	2.1075	2.3509	2.6677	2.6919	3.6971	6.0559
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
PETROLEUM COKE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	1.3200	.0000
RESIDUAL FUEL	.5551	.6199	.6192	.8280	1.6591	.0000	.0000	.0000	.0000	.0000	4.2939
NUCLEAR POWER	.0000	.0000	.0000	.0000	.2867	.2488	.2544	.2693	.3382	.3224	.4280
WOOD AND WASTE	.8000	.8400	.8700	.9200	1.0000	1.1000	1.1500	1.2200	1.3100	.0000	1.8100

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE PRICES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: THE FOLLOWING FUEL SECTOR PRICES HAVE BEEN SUBSTITUTED (SEE THE DOCUMENTATION FOR THE DETAILS), COAL COMMERCIAL = COAL INDUSTRIAL, KEROSENE COMMERCIAL = KEROSENE INDUSTRIAL, LPG COMMERCIAL = LPG INDUSTRIAL, MOTOR GASOLINE COMMERCIAL = MOTOR GASOLINE TRANSPORTATION; JET FUEL INDUSTRIAL = JET FUEL TRANSPORTATION, MOTOR GASOLINE INDUSTRIAL = MOTOR GASOLINE TRANSPORTATION, OTHER PETROLEUM PRODUCTS INDUSTRIAL = DISTILLATE INDUSTRIAL UNITED STATES; COAL TRANSPORTATION = COAL INDUSTRIAL, LPG TRANSPORTATION = LPG INDUSTRIAL, LUBRICANTS TRANSPORTATION = LUBRICANTS INDUSTRIAL.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 52. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Kansas (Million Dollars)

ENERGY EXPENDITURES ALL SECTORS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
COAL											
METALLURGICAL COAL	0	0	0	0	0	0	0	0	0	0	0
OTHER COAL	1	1	1	1	3	2	2	4	3	7	9
(INCLUDING ELECTRICITY GENERATION)	4	4	4	11	26	55	65	79	153	162	178
TOTAL COAL	1	1	1	1	3	2	2	4	3	7	9
(INCLUDING ELECTRICITY GENERATION)	4	4	4	11	26	55	65	79	153	162	178
NATURAL GAS											
TOTAL NATURAL GAS	158	174	196	195	228	249	387	438	506	765	924
(INCLUDING ELECTRICITY GENERATION)	210	234	266	248	287	312	477	572	655	939	1,110
PETROLEUM PRODUCTS											
ASPHALT AND ROAD OIL	11	14	14	16	34	30	32	36	49	54	80
AVIATION GASOLINE	5	4	4	4	6	5	7	8	7	11	14
DISTILLATE FUEL OIL	42	48	51	71	131	137	161	192	235	478	556
(INCLUDING ELECTRICITY GENERATION)	43	49	54	76	145	159	176	208	253	491	558
JET FUEL	7	7	7	8	13	16	17	23	27	48	99
(INCLUDING ELECTRICITY GENERATION)	7	7	7	8	13	16	17	23	27	48	99
KEROSENE	2	1	1	1	2	1	4	6	4	22	17
LIQUEFIED PETROLEUM GASES	38	35	38	66	77	84	101	121	104	170	185
LUBRICANTS	24	27	29	34	46	44	49	60	66	86	90
MOTOR GASOLINE	400	406	421	498	682	756	838	868	899	1,138	1,441
RESIDUAL FUEL	2	2	6	8	14	27	25	32	37	39	22
(INCLUDING ELECTRICITY GENERATION)	4	3	8	14	26	63	69	79	78	70	23
ALL OTHER PETROLEUM PRODUCTS	30	30	30	42	91	107	119	153	149	258	495
(INCLUDING ELECTRICITY GENERATION)	30	30	30	42	91	107	119	153	149	258	495
TOTAL PETROLEUM	559	574	601	748	1,096	1,208	1,352	1,498	1,578	2,306	2,998
(INCLUDING ELECTRICITY GENERATION)	562	577	605	758	1,122	1,266	1,411	1,562	1,636	2,349	3,001
NUCLEAR POWER, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
WOOD AND WASTE, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
ELECTRICITY SALES	266	282	303	333	369	456	524	648	759	812	989
TOTAL (INCLUDING ELECTRICITY SALES, EXCLUDING ELECTRICITY GENERATION)	985	1,031	1,101	1,277	1,696	1,915	2,265	2,587	2,846	3,890	4,921
TOTAL (EXCLUDING ELECTRICITY SALES, INCLUDING ELECTRICITY GENERATION)	775	815	875	1,018	1,436	1,633	1,954	2,213	2,444	3,451	4,289

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.
NOTE: THERE ARE NO PURCHASED FUEL EXPENDITURES FOR ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.
NOTE: DATA FOR 1980 DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.
NOTE: THE "ALL OTHER PETROLEUM PRODUCTS" CATEGORY INCLUDES NATURAL GASOLINE, UNFRACTIONATED STREAM, PLANT CONDENSATE, PETRO CHEMICAL FEEDSTOCKS, SPECIAL NAPHTHAS, PETROLEUM COKE (NOT CONSUMED IN ELECTRIC UTILITIES), STILL GAS, WAX, AND MISCELLANEOUS PRODUCTS. THE "(INCLUDING ELECTRICITY GENERATION)" CATEGORY INCLUDES PETROLEUM COKE FUEL EXPENDITURES FOR ELECTRIC UTILITIES.
NOTE: EXCLUDES NET IMPORTS OF COAL COKE; THEREFORE, THE SUM OF ALL STATES WILL NOT EQUAL TOTAL U.S.
SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 53. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Kansas (Million Dollars)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
TOTAL ENERGY	229.86	238.90	254.61	291.30	319.72	342.35	420.06	484.80	532.84	636.12	706.09
OTHER COAL	.03	.06	.07	.07	.04	.00	.00	.00	.26	.49	.07
NATURAL GAS (DRY)	69.21	73.43	76.28	74.40	87.27	104.92	155.98	168.84	182.76	208.12	209.45
TOTAL PETROLEUM	29.98	26.55	29.57	55.83	52.94	58.26	66.62	77.93	66.75	135.86	117.48
DISTILLATE FUEL	.35	.36	.55	.69	1.21	1.43	2.64	2.92	3.44	10.67	5.95
KEROSENE	.92	.52	.64	.76	.98	.96	2.75	4.37	2.54	9.67	.22
LPG	28.71	25.67	28.39	54.39	50.76	55.87	61.22	70.63	60.78	115.51	111.31
ELECTRICITY	130.63	138.85	148.67	161.00	179.47	179.16	197.47	238.04	283.06	291.65	379.08
COMMERCIAL SECTOR											
TOTAL ENERGY	112.48	121.91	134.31	142.26	159.48	208.96	269.49	313.28	360.13	426.74	484.40
OTHER COAL	.06	.07	.08	.04	.05	.00	.00	.00	.26	.50	.09
NATURAL GAS (DRY)	24.83	27.48	32.15	29.01	33.19	35.96	65.34	64.26	78.46	101.97	115.91
TOTAL PETROLEUM	6.71	6.88	7.40	8.93	14.59	15.96	20.17	23.40	23.81	44.39	40.74
DISTILLATE FUEL	.69	.71	1.07	1.36	2.50	2.95	5.43	6.02	7.06	22.71	13.74
KEROSENE	.13	.08	.09	.11	.20	.22	.64	.98	.58	2.52	.34
LPG	2.82	2.93	2.93	3.26	6.06	6.01	7.05	8.37	7.68	9.67	13.06
MOTOR GASOLINE	2.98	3.08	3.19	4.06	5.61	6.34	6.66	7.29	7.56	8.66	13.60
RESIDUAL FUEL	.09	.08	.11	.15	.22	.44	.40	.74	.93	.82	.00
ELECTRICITY	80.88	87.48	94.69	104.28	111.65	157.04	183.97	225.62	257.60	279.89	327.66
INDUSTRIAL SECTOR											
TOTAL ENERGY	210.36	225.62	243.74	289.40	435.08	505.14	622.20	775.18	852.46	1,276.39	1,685.92
METALLURGICAL COAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER COAL	.96	.87	.93	1.21	2.86	2.27	2.06	3.68	2.70	5.61	9.24
NATURAL GAS (DRY)	50.82	58.23	68.40	73.77	86.44	84.68	139.48	174.64	204.43	391.02	513.34
TOTAL PETROLEUM	104.11	110.66	114.75	147.06	267.82	298.54	338.11	412.86	427.46	638.98	881.16
ASPHALT	10.65	14.40	13.96	15.50	30.09	27.98	31.55	35.30	48.74	53.92	80.47
DISTILLATE FUEL	9.40	11.41	13.00	17.63	39.51	42.73	62.19	68.94	84.21	141.23	115.42
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KEROSENE	.61	.42	.22	.19	.36	.31	.44	.83	.98	10.07	16.21
LPG	5.62	5.96	6.36	8.09	19.06	20.93	31.66	40.27	34.11	42.99	58.04
LUBRICANTS	7.58	8.27	8.94	11.68	15.94	14.37	15.93	24.28	26.55	34.84	36.24
MOTOR GASOLINE	38.47	39.01	35.85	43.80	55.18	56.84	52.23	58.63	47.32	60.21	58.35
RESIDUAL FUEL	1.86	1.67	6.08	7.73	12.98	25.90	24.80	30.97	36.17	37.52	21.78
ROAD OIL	.03	*	*	.01	3.52	2.16	.40	.35	.38	.00	.00
OTHER PETROLEUM PRODUCTS	29.89	29.52	30.34	42.43	91.18	107.33	118.89	153.29	148.99	258.21	494.65
ELECTRICITY	54.47	55.85	59.66	67.36	77.97	119.66	142.56	184.01	217.87	240.77	282.19
TRANSPORTATION SECTOR											
TOTAL ENERGY	432.18	444.85	468.66	554.23	781.35	858.50	953.51	1,013.84	1,100.46	1,550.38	2,044.49
OTHER COAL	*	*	*	*	*	*	*	*	.00	.00	.00
NATURAL GAS (DRY)	13.56	14.74	19.20	18.10	20.92	23.69	26.61	29.95	40.15	63.90	85.48
TOTAL PETROLEUM	418.61	430.11	449.46	536.13	760.43	834.81	926.90	983.89	1,060.31	1,486.48	1,959.01
AVIATION GASOLINE	4.70	4.41	4.00	3.80	5.70	5.00	6.63	7.90	7.26	11.47	13.95
DISTILLATE FUEL	31.91	35.43	36.56	51.66	87.54	89.78	90.46	113.82	140.65	303.59	421.00
JET FUEL	6.93	7.11	6.74	7.72	13.35	16.19	16.61	22.53	27.06	48.28	99.49
LPG	.51	.54	.54	.61	1.27	1.07	1.29	1.36	1.25	1.57	2.12
LUBRICANTS	16.37	18.31	19.80	22.27	30.40	29.49	32.68	35.91	39.27	51.53	53.60
MOTOR GASOLINE	358.18	364.27	381.57	449.74	621.66	693.08	778.98	801.85	844.50	1,069.62	1,368.79
RESIDUAL FUEL	.02	.05	.25	.32	.50	.20	.25	.52	.32	.42	.05
ELECTRICITY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRIC UTILITIES											
TOTAL ENERGY	56.31	65.67	77.01	73.06	109.61	174.11	212.24	273.37	356.82	373.34	357.05
OTHER COAL	2.56	2.73	3.29	10.04	23.27	52.35	63.32	75.29	149.79	155.37	168.29
NATURAL GAS (DRY)	51.42	60.54	69.96	52.77	59.62	62.87	89.94	134.35	148.85	174.34	185.73
TOTAL PETROLEUM	2.33	2.40	3.76	10.25	26.72	58.88	58.98	63.72	58.17	43.62	3.02
DISTILLATE FUEL	.76	1.06	2.57	4.73	14.67	22.06	15.71	16.68	17.87	12.83	1.44
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PETROLEUM COKE	.00	.00	.00	.00	.00	.01	.00	.00	.02	.00	.00
RESIDUAL FUEL	1.58	1.34	1.19	5.52	12.05	36.81	43.27	47.04	40.29	30.80	1.58
NUCLEAR POWER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WOOD AND WASTE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

* LESS THAN .005.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE TO THE INDUSTRIAL SECTOR BY STATE.

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE EXPENDITURES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL SINCE THERE ARE NO ASSOCIATED FUEL COSTS FOR THESE ENERGY SOURCES.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MEXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: COAL INCLUDES ANTHRACITE, BITUMINOUS, AND LIGNITE EXCEPT IN THE TRANSPORTATION SECTOR WHICH DOES NOT CONSUME ANTHRACITE.

NOTE: RESIDENTIAL, COMMERCIAL, INDUSTRIAL, AND TRANSPORTATION EXPENDITURES EXCLUDE ENERGY EXPENDITURES FOR WOOD AND WOOD WASTE.

NOTE: EXPENDITURES ON NET IMPORTS OF COAL COKE ARE NOT DISTRIBUTED BY STATE; THEREFORE, THE SUM OF THE TOTAL EXPENDITURES BY STATE WILL NOT EQUAL THE TOTAL U.S. EXPENDITURE.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, THE ENERGY, PRICE, AND EXPENDITURES DATA SYSTEM (EPEDS)

Table 54. Average Annual Fuel Prices by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Kansas (Dollars per Million Btu)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
ALL FUELS	1.6674	1.7203	1.7810	2.0913	2.3574	2.4879	2.9548	3.5668	3.7822	4.3082	5.4689
OTHER COAL	.3385	.6620	.6839	1.1780	1.1400	.0000	.0000	.0000	1.9000	1.8871	1.6068
NATURAL GAS	.6898	.7221	.7375	.7561	.9128	1.0457	1.5106	1.7516	1.8095	1.9962	2.3981
TOTAL PETROLEUM	1.5632	1.4644	1.5520	2.9763	3.0487	3.2664	3.4591	4.0622	3.8541	6.2684	6.8326
DISTILLATE FUEL	1.1307	1.2325	1.2401	1.3821	2.4269	2.6136	2.8566	3.2184	3.3005	4.9125	6.8533
KEROSENE	1.4039	1.4272	1.4770	1.7378	2.7062	2.8412	3.0172	3.5408	3.7631	5.1852	7.6914
LPG	1.5763	1.4691	1.5614	3.0508	3.0749	3.2960	3.5142	4.1450	3.8950	6.5500	6.8300
ELECTRICITY	7.1591	7.3275	7.3040	7.2944	7.9344	9.2209	10.0510	11.6977	12.6253	13.5895	15.4546
COMMERCIAL SECTOR											
ALL FUELS	1.5337	1.5712	1.5947	1.8755	2.0856	2.6879	3.1634	3.8797	3.7870	4.5184	5.3818
OTHER COAL	.3590	.3992	.3856	.3436	.7615	.0000	.0000	.0000	1.0175	1.0239	1.0951
NATURAL GAS	.4575	.4740	.5108	.5399	.6062	.6818	1.1189	1.2171	1.1967	1.6439	1.9224
TOTAL PETROLEUM	1.2390	1.3421	1.2958	1.5199	2.6182	2.6969	2.8984	3.2712	3.3227	4.4650	6.2821
DISTILLATE FUEL	1.0283	1.1166	1.1221	1.2679	2.3238	2.4890	2.7162	3.0647	3.1320	4.8310	6.5895
KEROSENE	.6877	.7354	.7354	.8766	1.9673	2.3022	2.4579	2.7695	3.0340	4.7361	5.9949
LPG	.8764	.9493	.9126	1.0355	2.0799	2.0080	2.2916	2.7834	2.7874	3.1078	4.5406
MOTOR GASOLINE	2.6370	2.6548	2.5767	3.0290	4.1909	4.4983	4.7121	4.9648	5.1115	6.7974	9.2707
RESIDUAL FUEL	.4323	.5904	.6271	.7608	1.5468	1.8802	1.8685	2.0619	1.9075	2.5520	.0000
ELECTRICITY	5.9982	6.1144	6.1594	6.4625	6.9425	8.2288	9.2767	10.8492	11.6511	12.7284	14.1577
INDUSTRIAL SECTOR											
ALL FUELS	.6871	.6936	.7214	.8245	1.2635	1.6830	1.8808	2.2046	2.4099	2.7815	4.4251
METALLURGICAL COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
OTHER COAL	.3590	.3992	.3856	.3436	.7615	.7330	.9652	.8864	1.0175	1.0239	1.0951
NATURAL GAS	.2672	.2788	.3238	.3506	.4218	.5477	.8024	.9786	1.1554	1.5337	2.6271
TOTAL PETROLEUM	1.0650	1.1251	1.0672	1.2341	2.2794	2.4626	2.5474	2.8358	2.8721	3.7169	5.8590
ASPHALT	.7350	.8498	.8820	.8892	1.8251	2.1016	2.0536	2.0683	2.1913	2.5682	4.0170
DISTILLATE FUEL	.6421	.6867	.6867	.8185	1.8369	2.1288	2.2867	2.5682	2.7880	3.4552	5.7266
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
KEROSENE	.6877	.7354	.7354	.8766	1.9673	2.3022	2.4579	2.7695	3.0340	4.7361	5.9949
LPG	.8764	.9493	.9126	1.0355	2.0799	2.0080	2.2916	2.7834	2.7874	3.1078	4.5406
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.6370	2.6548	2.5767	3.0290	4.1909	4.4983	4.7121	4.9648	5.1115	6.7974	9.2707
RESIDUAL FUEL	.4227	.5774	.6133	.7440	1.5126	1.8387	1.8483	2.0009	1.8896	2.2925	3.4430
ROAD OIL	.9092	.9783	.9740	.9859	2.0510	2.0886	2.1708	2.1758	2.2212	.0000	.0000
OTHER PETROLEUM PRODUCTS	.7282	.7576	.7551	.9355	2.0341	2.2361	2.3887	2.6898	2.8327	3.9074	6.2121
ELECTRICITY	3.5097	3.5118	3.5790	3.7576	4.2892	5.6432	6.4397	7.8587	8.6080	9.0726	10.5424
TRANSPORTATION SECTOR											
ALL FUELS	1.7143	1.7255	1.7111	2.0538	2.8683	3.1784	3.4756	3.7699	3.8371	5.3436	7.2732
OTHER COAL	.3590	.3992	.3856	.3436	.7615	.7330	.9652	.8864	.0000	.0000	.0000
NATURAL GAS	.1792	.1913	.2334	.2433	.2738	.3354	.4143	.5219	.6257	1.1707	1.5954
TOTAL PETROLEUM	2.3724	2.3790	2.3454	2.7428	3.8792	4.1850	4.4114	4.6511	4.7627	6.3106	8.6102
AVIATION GASOLINE	3.4553	3.5236	3.4986	3.7615	5.2408	5.6360	5.8299	6.4522	7.0471	9.4849	13.2290
DISTILLATE FUEL	1.1685	1.1731	1.2139	1.5405	2.5473	2.6786	2.7663	3.1103	3.2598	4.9746	6.9838
JET FUEL	.8052	.8459	.8430	1.0000	1.7237	2.2481	2.4552	2.8820	3.1130	4.3186	6.9102
LPG	.8764	.9493	.9126	1.0355	2.0799	2.0080	2.2916	2.7834	2.7874	3.1078	4.5406
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.6370	2.6548	2.5767	3.0290	4.1909	4.4983	4.7121	4.9648	5.1115	6.7974	9.2707
RESIDUAL FUEL	.4323	.5904	.6271	.7608	1.5468	1.8802	1.8685	2.0619	1.9075	2.5520	3.8221
ELECTRICITY	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
ELECTRIC UTILITIES											
ALL FUELS	.3033	.3413	.3845	.3438	.4983	.7762	.9194	1.0993	1.2503	1.3278	1.2338
OTHER COAL	.3080	.3070	.3220	.4625	.6449	.8793	.8855	.8762	1.1156	1.0925	.9130
NATURAL GAS	.2971	.3358	.3778	.2926	.3525	.4794	.7151	1.0117	1.2190	1.4432	1.7781
TOTAL PETROLEUM	.5451	.7344	.7738	.9823	1.8087	1.7507	1.7569	2.1284	2.0051	2.4023	5.0649
DISTILLATE FUEL	.6878	.8953	.8702	1.3392	2.0697	2.0688	2.2463	2.6166	2.6465	3.6276	5.7431
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
PETROLEUM COKE	.0000	.0000	.0000	.0000	.0000	.6200	.0000	.0000	.7400	.0000	.0000
RESIDUAL FUEL	.4957	.6425	.6248	.7998	1.5679	1.6039	1.6281	1.9963	1.8118	2.1060	4.5736
NUCLEAR POWER	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
WOOD AND WASTE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE PRICES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: THE FOLLOWING FUEL SECTOR PRICES HAVE BEEN SUBSTITUTED (SEE THE DOCUMENTATION FOR THE DETAILS), COAL COMMERCIAL = COAL INDUSTRIAL, KEROSENE COMMERCIAL = KEROSENE INDUSTRIAL, LPG COMMERCIAL = LPG INDUSTRIAL, MOTOR GASOLINE COMMERCIAL = MOTOR GASOLINE TRANSPORTATION; JET FUEL INDUSTRIAL = JET FUEL TRANSPORTATION, MOTOR GASOLINE INDUSTRIAL = MOTOR GASOLINE TRANSPORTATION, OTHER PETROLEUM PRODUCTS INDUSTRIAL = DISTILLATE INDUSTRIAL UNITED STATES; COAL TRANSPORTATION = COAL INDUSTRIAL, LPG TRANSPORTATION = LPG INDUSTRIAL, LUBRICANTS TRANSPORTATION = LUBRICANTS INDUSTRIAL.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 55. Fuel Expenditures and Electricity Sales by Fuel Type, 1970-1980: Kentucky (Million Dollars)

ENERGY EXPENDITURES ALL SECTORS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
COAL											
METALLURGICAL COAL	20	21	27	22	48	56	38	42	44	39	34
OTHER COAL	35	24	32	32	50	53	51	58	82	109	89
(INCLUDING ELECTRICITY GENERATION)	122	139	169	218	629	507	477	614	780	696	754
TOTAL COAL	55	45	58	55	97	109	89	99	125	148	123
(INCLUDING ELECTRICITY GENERATION)	143	161	195	240	677	563	515	656	824	736	788
NATURAL GAS											
TOTAL NATURAL GAS	144	152	165	169	181	198	282	343	355	453	558
(INCLUDING ELECTRICITY GENERATION)	147	155	169	172	184	198	282	344	356	454	563
PETROLEUM PRODUCTS											
ASPHALT AND ROAD OIL	14	15	16	20	24	31	32	37	43	51	48
AVIATION GASOLINE	4	2	2	2	3	3	3	3	3	6	7
DISTILLATE FUEL OIL	57	53	67	84	142	160	211	296	344	538	892
(INCLUDING ELECTRICITY GENERATION)	57	53	67	85	143	161	215	300	348	544	901
JET FUEL	12	11	9	11	17	23	25	30	39	53	96
(INCLUDING ELECTRICITY GENERATION)	12	11	9	11	17	23	25	30	39	53	96
KEROSENE	25	21	17	19	29	26	26	26	28	121	136
LIQUEFIED PETROLEUM GASES	56	57	68	99	119	117	135	149	163	202	253
LUBRICANTS	31	33	35	42	58	59	66	63	69	90	94
MOTOR GASOLINE	517	563	589	667	919	1,006	1,085	1,181	1,228	1,551	1,993
RESIDUAL FUEL	2	2	3	5	20	28	32	40	37	22	25
(INCLUDING ELECTRICITY GENERATION)	3	3	5	5	22	28	32	40	37	22	25
ALL OTHER PETROLEUM PRODUCTS	24	26	28	39	74	86	104	130	143	226	364
(INCLUDING ELECTRICITY GENERATION)	24	26	28	39	74	86	104	130	143	226	364
TOTAL PETROLEUM	742	783	833	989	1,404	1,539	1,719	1,954	2,097	2,860	3,907
(INCLUDING ELECTRICITY GENERATION)	742	784	835	989	1,407	1,541	1,723	1,959	2,102	2,865	3,916
NUCLEAR POWER, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
WOOD AND WASTE, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
ELECTRICITY SALES	355	379	430	486	578	855	1,002	1,149	1,294	1,453	1,614
TOTAL (INCLUDING ELECTRICITY SALES, EXCLUDING ELECTRICITY GENERATION)	1,296	1,360	1,486	1,699	2,261	2,702	3,091	3,545	3,871	4,914	6,203
TOTAL (EXCLUDING ELECTRICITY SALES, INCLUDING ELECTRICITY GENERATION)	1,031	1,100	1,199	1,401	2,268	2,302	2,520	2,958	3,281	4,055	5,267

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.
NOTE: THERE ARE NO PURCHASED FUEL EXPENDITURES FOR ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.
NOTE: DATA FOR 1980 DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.
NOTE: THE "ALL OTHER PETROLEUM PRODUCTS" CATEGORY INCLUDES NATURAL GASOLINE, UNFRACTIONATED STREAM, PLANT CONDENSATE, PETRO CHEMICAL FEEDSTOCKS, SPECIAL NAPHTHAS, PETROLEUM COKE (NOT CONSUMED IN ELECTRIC UTILITIES), STILL GAS, WAX, AND MISCELLANEOUS PRODUCTS. THE "(INCLUDING ELECTRICITY GENERATION)" CATEGORY INCLUDES PETROLEUM COKE FUEL EXPENDITURES FOR ELECTRIC UTILITIES.
NOTE: EXCLUDES NET IMPORTS OF COAL COKE; THEREFORE, THE SUM OF ALL STATES WILL NOT EQUAL TOTAL U.S.
SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 56. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Kentucky (Million Dollars)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
TOTAL ENERGY	266.35	264.48	262.74	330.79	366.72	442.49	511.70	643.71	698.51	834.35	1,005.62
OTHER COAL	1.15	2.49	2.43	3.78	6.19	5.38	5.63	10.57	11.54	15.88	6.85
NATURAL GAS (DRY)	72.37	74.89	80.22	79.43	84.48	98.28	128.20	170.55	164.54	183.77	228.23
TOTAL PETROLEUM	53.42	48.66	48.78	78.16	84.33	83.08	94.25	106.62	108.48	190.76	244.23
DISTILLATE FUEL	2.57	2.53	2.40	3.15	5.06	6.22	10.62	17.24	16.82	22.03	33.64
KEROSENE	20.39	17.03	12.62	14.10	21.46	19.02	15.66	16.27	16.56	73.10	85.75
LPG	30.47	29.10	33.76	60.91	57.81	57.83	67.97	73.10	75.09	95.63	124.84
ELECTRICITY	139.40	138.44	131.30	169.43	191.72	255.74	283.62	355.96	413.96	443.94	526.31
COMMERCIAL SECTOR											
TOTAL ENERGY	110.16	108.08	120.48	123.66	152.97	190.77	237.16	307.65	343.05	409.61	530.94
OTHER COAL	4.00	2.18	2.60	2.82	4.30	5.47	5.18	9.25	11.91	19.14	7.35
NATURAL GAS (DRY)	28.64	30.24	32.51	36.94	38.80	41.31	66.16	83.51	85.91	90.07	116.66
TOTAL PETROLEUM	14.06	13.86	13.32	16.09	25.68	29.18	37.84	52.18	52.29	78.51	156.59
DISTILLATE FUEL	4.74	4.62	4.37	5.77	9.66	11.97	20.46	33.06	32.04	43.71	102.45
KEROSENE	1.89	1.83	1.35	1.53	3.28	2.96	2.39	2.51	2.62	13.42	26.80
LPG	3.36	3.66	4.07	4.69	6.80	7.37	8.51	9.31	9.78	11.77	14.29
MOTOR GASOLINE	4.05	3.73	3.52	4.08	5.79	6.78	6.27	7.02	7.65	9.37	12.51
RESIDUAL FUEL	.03	.02	.01	.02	.14	.10	.21	.29	.20	.24	.53
ELECTRICITY	63.47	61.79	72.06	67.80	84.19	114.80	127.99	162.71	192.94	221.88	250.35
INDUSTRIAL SECTOR											
TOTAL ENERGY	331.69	361.34	437.03	482.15	684.60	911.15	1,072.15	1,201.46	1,334.47	1,642.93	1,998.93
METALLURGICAL COAL	20.28	21.35	26.62	22.40	47.63	55.96	38.09	41.51	43.53	39.46	33.96
OTHER COAL	29.74	19.43	26.70	25.67	39.30	42.01	39.71	38.07	58.33	74.01	75.17
NATURAL GAS (DRY)	36.02	39.40	43.37	43.68	49.30	49.86	77.20	77.12	90.90	146.12	178.05
TOTAL PETROLEUM	93.72	102.28	113.73	141.19	246.35	278.61	326.61	414.36	454.95	595.72	874.73
ASPHALT	13.38	14.93	15.51	19.88	23.53	30.74	32.10	36.68	43.16	50.55	47.76
DISTILLATE FUEL	8.85	10.41	10.85	14.36	34.64	43.88	56.01	98.16	106.52	120.32	252.33
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KEROSENE	2.82	2.61	2.96	3.42	4.53	4.12	7.68	7.41	9.10	34.93	23.23
LPG	21.78	24.07	30.19	33.66	53.82	51.42	58.67	66.69	77.89	93.76	113.83
LUBRICANTS	17.32	18.63	20.15	22.69	30.96	29.39	32.57	32.07	35.07	46.01	47.87
MOTOR GASOLINE	3.22	4.10	3.29	3.80	4.68	4.79	4.03	4.12	3.11	3.49	4.43
RESIDUAL FUEL	1.93	1.32	3.23	4.78	19.90	28.12	31.37	39.29	36.70	20.91	21.54
ROAD OIL	.39	.03	.02	.01	.56	.60	.09	*	.01	.00	.00
OTHER PETROLEUM PRODUCTS	24.02	26.19	27.54	38.61	73.72	85.57	104.08	129.93	143.39	225.74	363.73
ELECTRICITY	151.94	178.88	226.61	249.20	302.02	484.71	590.55	630.41	686.76	787.61	837.02
TRANSPORTATION SECTOR											
TOTAL ENERGY	587.64	626.10	666.17	761.91	1,056.70	1,157.16	1,270.34	1,392.49	1,495.01	2,027.45	2,667.31
OTHER COAL	.08	.05	.05	.03	.03	.01	.01	*	.00	.00	.00
NATURAL GAS (DRY)	7.26	7.83	8.88	8.73	8.59	8.81	9.99	11.53	13.24	32.74	35.40
TOTAL PETROLEUM	580.30	618.22	657.24	753.14	1,048.07	1,148.33	1,260.34	1,380.95	1,481.77	1,994.71	2,631.92
AVIATION GASOLINE	3.75	2.34	2.16	2.23	3.20	3.24	3.48	3.32	3.44	5.88	6.80
DISTILLATE FUEL	40.95	35.42	48.94	61.10	93.03	97.78	123.89	147.47	188.42	352.04	503.89
JET FUEL	11.85	10.78	8.86	11.27	16.69	22.90	24.66	29.54	38.57	53.06	96.16
LPG	.13	.15	.16	.20	.31	.29	.32	.35	.35	.42	.51
LUBRICANTS	13.47	14.19	15.35	19.57	26.71	30.03	33.29	30.84	33.72	44.25	46.04
MOTOR GASOLINE	509.75	555.18	581.76	658.76	908.11	994.07	1,074.69	1,169.42	1,217.26	1,538.35	1,976.06
RESIDUAL FUEL	.39	.17	.01	.01	.02	.02	.01	.01	.01	.71	2.46
ELECTRICITY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRIC UTILITIES											
TOTAL ENERGY	90.35	119.25	142.52	189.19	585.10	455.66	430.53	561.74	704.09	594.26	678.21
OTHER COAL	87.43	115.01	137.06	185.66	579.13	454.04	426.62	556.38	698.70	587.24	664.93
NATURAL GAS (DRY)	2.52	3.01	3.69	2.73	2.97	.19	.12	.81	1.31	1.62	4.25
TOTAL PETROLEUM	.41	1.23	1.78	.80	3.00	1.43	3.80	4.56	4.09	5.40	9.03
DISTILLATE FUEL	.05	.04	.34	.13	1.09	1.43	3.80	4.56	4.09	5.40	9.03
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PETROLEUM COKE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RESIDUAL FUEL	.36	1.19	1.44	.67	1.91	.00	.00	.00	.00	.00	.00
NUCLEAR POWER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WOOD AND WASTE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

* LESS THAN .005.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE TO THE INDUSTRIAL SECTOR BY STATE.

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE EXPENDITURES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL SINCE THERE ARE NO ASSOCIATED FUEL COSTS FOR THESE ENERGY SOURCES.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MEXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: COAL INCLUDES ANTHRACITE, BITUMINOUS, AND LIGNITE EXCEPT IN THE TRANSPORTATION SECTOR WHICH DOES NOT CONSUME ANTHRACITE.

NOTE: RESIDENTIAL, COMMERCIAL, INDUSTRIAL, AND TRANSPORTATION EXPENDITURES EXCLUDE ENERGY EXPENDITURES FOR WOOD AND WOOD WASTE.

NOTE: EXPENDITURES ON NET IMPORTS OF COAL COKE ARE NOT DISTRIBUTED BY STATE; THEREFORE, THE SUM OF THE TOTAL EXPENDITURES BY STATE WILL NOT EQUAL THE TOTAL U.S. EXPENDITURE.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, THE ENERGY, PRICE, AND EXPENDITURES DATA SYSTEM (EPEDS)

Table 57. Average Annual Fuel Prices by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Kentucky (Dollars per Million Btu)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
ALL FUELS	1.8423	1.8669	1.8900	2.4116	2.7688	3.1952	3.2375	3.9178	4.5072	5.2338	6.5640
OTHER COAL	.2399	.7308	.8462	1.2041	1.8810	2.1120	2.1422	2.4067	2.4833	2.2852	2.3871
NATURAL GAS	.8118	.8627	.9095	.9706	1.0837	1.2173	1.3057	1.7684	1.9180	2.3311	3.0024
TOTAL PETROLEUM	1.9941	1.8933	2.0508	3.1316	3.5832	3.6942	4.0963	4.3876	4.6150	5.8193	8.2218
DISTILLATE FUEL	1.0936	1.2245	1.2379	1.4313	2.2753	2.4806	2.7704	3.1937	3.3907	4.6294	7.0765
KEROSENE	1.7308	1.5936	1.6047	1.8923	2.9582	3.1262	3.3041	3.6029	3.9831	6.2134	8.6367
LPG	2.4058	2.2476	2.4145	3.9791	4.1127	4.1621	4.7085	5.0820	5.2200	5.8825	8.3100
ELECTRICITY	5.8474	5.3760	5.4358	6.2208	6.9298	7.8192	8.2840	9.0886	10.0876	10.8662	11.7976
COMMERCIAL SECTOR											
ALL FUELS	1.4658	1.4934	1.6553	1.5818	1.9808	2.5018	2.3895	3.0512	3.5264	4.2254	5.5102
OTHER COAL	.4489	.3440	.4862	.4845	.7033	1.1565	1.0611	1.1339	1.3801	1.5483	1.5603
NATURAL GAS	.6541	.6926	.7388	.7908	.8953	1.0521	1.1350	1.6334	1.8126	2.1842	2.8944
TOTAL PETROLEUM	1.2944	1.3934	1.4419	1.6065	2.5917	2.8219	2.9509	3.2399	3.4416	4.7670	6.8461
DISTILLATE FUEL	.9742	1.0772	1.0858	1.2658	2.0958	2.3022	2.5756	2.9547	3.1157	4.4325	6.7129
KEROSENE	.8167	.8734	.8734	1.0411	2.3023	2.4775	2.5631	2.8262	3.2087	5.8002	7.5998
LPG	1.5013	1.6027	1.6490	1.7379	2.7427	3.0042	3.3416	3.6675	3.8531	4.1041	5.3915
MOTOR GASOLINE	2.9326	3.0007	2.9825	3.2241	4.4224	4.6903	4.8221	5.1153	5.2033	6.9368	9.5258
RESIDUAL FUEL	.3996	.6132	.6410	.8045	1.7208	2.1600	2.0936	2.3979	2.3652	3.1759	4.4286
ELECTRICITY	5.4645	4.9735	5.0707	4.3409	4.7111	5.2387	5.5032	6.3956	7.4031	8.2572	8.7930
INDUSTRIAL SECTOR											
ALL FUELS	.9460	1.0374	1.1669	1.2939	1.8547	2.5710	2.8356	3.2117	3.5745	4.1063	5.3609
METALLURGICAL COAL	.4554	.4511	.5877	.6811	1.2627	1.6488	1.7181	1.8092	1.9469	1.8085	1.8661
OTHER COAL	.4489	.3440	.4862	.4845	.7033	1.1565	1.0611	1.1339	1.3801	1.5483	1.5603
NATURAL GAS	.4668	.5185	.5310	.5584	.6443	.7398	1.0569	1.3796	1.5549	1.9397	2.6400
TOTAL PETROLEUM	1.0139	1.0969	1.1186	1.2342	2.2764	2.5114	2.6082	2.8677	3.0430	3.9431	6.1358
ASPHALT	.6712	.7237	.7751	.8267	1.4047	1.7990	1.8162	1.9752	2.1990	2.5766	3.5621
DISTILLATE FUEL	.7320	.7828	.7828	.9331	2.0635	2.3073	2.3434	2.7382	2.9236	3.6117	6.7653
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
KEROSENE	.8167	.8734	.8734	1.0411	2.3023	2.4775	2.5631	2.8262	3.2087	5.8002	7.5998
LPG	1.5013	1.6027	1.6490	1.7379	2.7427	3.0042	3.3416	3.6675	3.8531	4.1041	5.3915
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.9326	3.0007	2.9825	3.2241	4.4224	4.6903	4.8221	5.1153	5.2033	6.9368	9.5258
RESIDUAL FUEL	.3908	.5996	.6268	.7868	1.6828	2.1123	2.0709	2.3270	2.3429	2.8528	3.9894
ROAD OIL	.7009	.7642	.8154	.9520	1.6516	1.8756	1.9155	2.0114	2.2133	.0000	.0000
OTHER PETROLEUM PRODUCTS	.7282	.7576	.7551	.9355	2.0341	2.2361	2.3887	2.6898	2.8327	3.9074	6.2121
ELECTRICITY	2.1632	2.3763	2.4910	2.6469	3.3269	4.5817	4.9111	5.3793	6.8165	7.5684	8.6745
TRANSPORTATION SECTOR											
ALL FUELS	2.2507	2.3574	2.3468	2.5765	3.6951	4.0285	4.2066	4.5163	4.5006	5.9405	8.2370
OTHER COAL	.4489	.3440	.4862	.4845	.7033	1.1565	1.0611	1.1339	.0000	.0000	.0000
NATURAL GAS	.1971	.2157	.2339	.2469	.2857	.3671	.4762	.5915	.5644	1.2463	1.6517
TOTAL PETROLEUM	2.5899	2.6978	2.6737	2.8936	4.0966	4.3626	4.4853	4.7812	4.7996	6.3320	8.7037
AVIATION GASOLINE	3.4553	3.5236	3.4986	3.7615	5.2408	5.6360	5.8299	6.4522	7.0471	8.9857	13.2290
DISTILLATE FUEL	1.4384	1.3839	1.3979	1.5825	2.6458	2.7687	2.9643	3.3497	3.3371	4.7558	6.7922
JET FUEL	.6793	.7141	.7119	.8437	1.4548	1.8978	2.0440	2.3760	2.6840	3.6300	5.9520
LPG	1.5013	1.6027	1.6490	1.7379	2.7427	3.0042	3.3416	3.6675	3.8531	4.1041	5.3915
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.9326	3.0007	2.9825	3.2241	4.4224	4.6903	4.8221	5.1153	5.2033	6.9368	9.5258
RESIDUAL FUEL	.4305	.5439	.5702	.6681	1.4264	1.4437	1.4567	1.6482	1.5201	2.1694	2.8749
ELECTRICITY	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
ELECTRIC UTILITIES											
ALL FUELS	.2161	.2621	.2877	.3824	1.1613	.9467	.7813	1.0282	1.2984	1.1334	1.2063
OTHER COAL	.2140	.2590	.2840	.3824	1.1663	.9451	.7766	1.0228	1.2948	1.1246	1.1898
NATURAL GAS	.2863	.3274	.3589	.3299	.5316	.6835	.8358	1.0857	1.0468	1.6807	2.1594
TOTAL PETROLEUM	.5064	.7061	.7325	.8675	1.7908	2.2502	2.4528	2.8063	2.8742	4.5450	6.5419
DISTILLATE FUEL	1.1480	1.0278	1.0202	.8095	2.2073	2.2502	2.4528	2.8063	2.8742	4.5450	6.5419
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
PETROLEUM COKE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
RESIDUAL FUEL	.4720	.6984	.6869	.8800	1.6164	.0000	.0000	.0000	.0000	.0000	.0000
NUCLEAR POWER	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
WOOD AND WASTE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE PRICES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: THE FOLLOWING FUEL SECTOR PRICES HAVE BEEN SUBSTITUTED (SEE THE DOCUMENTATION FOR THE DETAILS), COAL COMMERCIAL = COAL INDUSTRIAL, KEROSENE COMMERCIAL = KEROSENE INDUSTRIAL, LPG COMMERCIAL = LPG INDUSTRIAL, MOTOR GASOLINE COMMERCIAL = MOTOR GASOLINE TRANSPORTATION; JET FUEL INDUSTRIAL = JET FUEL TRANSPORTATION, MOTOR GASOLINE INDUSTRIAL = MOTOR GASOLINE TRANSPORTATION, OTHER PETROLEUM PRODUCTS INDUSTRIAL = DISTILLATE INDUSTRIAL UNITED STATES; COAL TRANSPORTATION = COAL INDUSTRIAL, LPG TRANSPORTATION = LPG INDUSTRIAL, LUBRICANTS TRANSPORTATION = LUBRICANTS INDUSTRIAL.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 58. Fuel Expenditures and Electricity Sales by Fuel Type, 1970-1980: Louisiana (Million Dollars)

ENERGY EXPENDITURES ALL SECTORS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
COAL											
METALLURGICAL COAL	0	0	0	0	0	0	0	0	0	0	0
OTHER COAL	0	0	0	0	0	0	0	2	6	3	4
(INCLUDING ELECTRICITY GENERATION)	0	0	0	0	0	0	0	2	6	3	4
TOTAL COAL	0	0	0	0	0	0	0	2	6	3	4
(INCLUDING ELECTRICITY GENERATION)	0	0	0	0	0	0	0	2	6	3	4
NATURAL GAS											
TOTAL NATURAL GAS	404	448	521	620	938	980	1,532	1,752	1,665	1,702	1,964
(INCLUDING ELECTRICITY GENERATION)	477	536	625	733	1,084	1,211	1,826	2,078	2,087	2,312	2,848
PETROLEUM PRODUCTS											
ASPHALT AND ROAD OIL	10	11	10	11	17	33	27	28	39	46	47
AVIATION GASOLINE	8	8	7	7	10	9	8	10	9	12	18
DISTILLATE FUEL OIL	59	73	97	137	252	278	307	441	460	752	764
(INCLUDING ELECTRICITY GENERATION)	59	73	99	173	323	292	328	487	504	779	818
JET FUEL	26	27	27	32	76	75	66	82	99	183	342
(INCLUDING ELECTRICITY GENERATION)	26	27	27	32	76	75	66	82	99	183	342
KEROSENE	8	7	7	14	28	28	30	43	44	71	192
LIQUEFIED PETROLEUM GASES	202	212	260	304	533	505	564	607	682	849	1,139
LUBRICANTS	58	51	55	65	89	104	115	119	130	171	178
MOTOR GASOLINE	523	536	558	631	868	1,019	1,175	1,278	1,399	1,803	2,413
RESIDUAL FUEL	33	27	30	61	201	221	268	358	305	728	1,148
(INCLUDING ELECTRICITY GENERATION)	34	30	35	78	258	275	390	602	556	955	1,264
ALL OTHER PETROLEUM PRODUCTS	221	247	287	383	918	942	909	1,146	1,363	2,085	3,364
(INCLUDING ELECTRICITY GENERATION)	221	247	287	383	918	942	909	1,146	1,363	2,085	3,364
TOTAL PETROLEUM	1,149	1,200	1,340	1,646	2,991	3,213	3,469	4,111	4,530	6,701	9,605
(INCLUDING ELECTRICITY GENERATION)	1,150	1,203	1,345	1,699	3,119	3,282	3,612	4,401	4,825	6,955	9,774
NUCLEAR POWER, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
WOOD AND WASTE, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
ELECTRICITY SALES	452	495	570	663	793	745	869	1,072	1,253	1,502	1,964
TOTAL (INCLUDING ELECTRICITY SALES, EXCLUDING ELECTRICITY GENERATION)	2,005	2,143	2,431	2,929	4,723	4,938	5,871	6,937	7,454	9,907	13,536
TOTAL (EXCLUDING ELECTRICITY SALES, INCLUDING ELECTRICITY GENERATION)	1,627	1,739	1,971	2,433	4,204	4,493	5,438	6,481	6,917	9,270	12,625

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.
NOTE: THERE ARE NO PURCHASED FUEL EXPENDITURES FOR ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.
NOTE: DATA FOR 1980 DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.
NOTE: THE "ALL OTHER PETROLEUM PRODUCTS" CATEGORY INCLUDES NATURAL GASOLINE, UNFRACTIONATED STREAM, PLANT CONDENSATE, PETRO CHEMICAL FEEDSTOCKS, SPECIAL NAPHTHAS, PETROLEUM COKE (NOT CONSUMED IN ELECTRIC UTILITIES), STILL GAS, WAX, AND MISCELLANEOUS PRODUCTS. THE "(INCLUDING ELECTRICITY GENERATION)" CATEGORY INCLUDES PETROLEUM COKE FUEL EXPENDITURES FOR ELECTRIC UTILITIES.
NOTE: EXCLUDES NET IMPORTS OF COAL COKE; THEREFORE, THE SUM OF ALL STATES WILL NOT EQUAL TOTAL U.S.
SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 59. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Louisiana (Million Dollars)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
TOTAL ENERGY	297.09	320.67	372.36	421.16	481.44	487.50	550.05	659.36	729.60	844.69	1,040.04
OTHER COAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.09
NATURAL GAS (DRY)	67.33	67.45	75.66	89.59	102.27	129.47	147.22	182.72	196.92	233.54	245.35
TOTAL PETROLEUM	20.34	23.62	29.16	40.89	52.49	34.58	44.05	38.40	31.04	46.31	58.62
DISTILLATE FUEL	.03	.03	.04	.06	.12	.13	.24	.40	.40	1.09	.20
KEROSENE	.18	.10	.11	.35	.45	.41	.33	.69	.80	1.17	.00
LPG	20.12	23.49	29.00	40.48	51.92	34.04	43.49	37.31	29.83	44.04	58.42
ELECTRICITY	209.42	229.60	267.54	290.68	326.68	323.45	358.78	438.25	501.64	564.85	735.99
COMMERCIAL SECTOR											
TOTAL ENERGY	185.58	201.62	225.70	272.28	339.70	315.04	389.11	490.09	573.50	1,021.31	987.86
OTHER COAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.08
NATURAL GAS (DRY)	26.91	27.93	30.59	30.07	34.72	39.79	46.98	47.78	91.54	259.04	106.29
TOTAL PETROLEUM	15.32	15.12	17.30	25.60	52.40	58.67	78.64	126.38	123.91	346.04	371.68
DISTILLATE FUEL	4.24	4.13	5.63	7.87	16.46	17.90	32.04	55.05	55.02	148.68	15.27
KEROSENE	1.48	.82	.88	2.88	5.27	5.36	4.61	8.81	9.10	15.32	18.44
LPG	2.08	2.25	2.34	2.32	4.02	3.64	3.70	4.49	4.18	5.16	6.92
MOTOR GASOLINE	5.72	5.88	6.01	6.77	9.36	10.96	12.56	13.60	15.04	19.87	8.60
RESIDUAL FUEL	1.81	2.06	2.45	5.76	17.29	20.80	25.73	44.43	40.57	157.01	322.45
ELECTRICITY	143.35	158.57	177.81	216.62	252.58	216.59	263.49	315.93	358.05	416.23	509.80
INDUSTRIAL SECTOR											
TOTAL ENERGY	870.58	947.46	1,112.06	1,385.91	2,597.34	2,644.88	3,254.93	3,871.66	4,098.95	5,228.03	7,499.11
METALLURGICAL COAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER COAL	.00	.00	.00	.00	.00	.00	.00	2.34	5.86	3.07	3.33
NATURAL GAS (DRY)	295.88	336.63	396.17	480.56	780.24	787.69	1,298.95	1,455.58	1,301.33	1,135.76	1,479.75
TOTAL PETROLEUM	475.60	503.61	591.06	749.64	1,603.49	1,652.31	1,709.36	2,096.41	2,398.01	3,568.60	5,298.27
ASPHALT	9.62	10.67	9.69	11.31	16.48	32.87	26.65	27.81	38.32	46.16	46.34
DISTILLATE FUEL	12.64	14.11	17.46	24.49	58.09	65.84	85.15	150.80	144.35	218.83	259.40
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KEROSENE	6.77	5.97	6.48	11.19	22.22	22.17	25.48	33.63	34.21	54.54	173.35
LPG	179.33	185.97	227.88	260.27	475.77	466.02	515.50	563.33	646.36	797.92	1,070.86
LUBRICANTS	38.47	32.14	34.77	45.98	62.75	73.69	81.68	76.08	83.20	109.18	113.58
MOTOR GASOLINE	4.54	4.10	3.63	3.39	4.42	4.08	3.70	3.46	2.92	3.00	3.17
RESIDUAL FUEL	2.89	3.10	4.00	10.20	45.14	44.98	62.07	95.06	84.99	253.43	266.68
ROAD OIL	.06	.05	.10	.11	.19	.29	.23	.49	.19	.21	.46
OTHER PETROLEUM PRODUCTS	221.29	247.49	287.06	382.69	918.44	942.37	908.90	1,145.73	1,363.47	2,085.35	3,364.42
ELECTRICITY	99.10	107.22	124.83	155.71	213.61	204.88	246.62	317.33	393.74	520.60	717.75
TRANSPORTATION SECTOR											
TOTAL ENERGY	651.76	673.57	720.43	849.22	1,304.30	1,491.06	1,676.49	1,915.89	2,052.40	2,813.39	4,008.63
OTHER COAL	.00	.00	.00	.00	.00	.00	.00	*	.00	.00	.00
NATURAL GAS (DRY)	14.19	16.30	18.26	19.36	21.22	23.31	39.27	65.82	75.31	73.61	132.31
TOTAL PETROLEUM	637.57	657.27	702.18	829.86	1,283.07	1,467.75	1,637.22	1,850.07	1,977.09	2,739.77	3,876.32
AVIATION GASOLINE	8.20	8.04	7.45	7.38	10.18	8.97	8.18	9.60	8.54	12.08	17.98
DISTILLATE FUEL	41.64	54.69	74.13	104.57	177.68	193.89	189.75	234.64	260.64	383.03	489.39
JET FUEL	25.88	27.32	26.95	32.37	75.63	75.14	65.91	81.52	98.54	183.32	341.59
LPG	.67	.66	.71	.72	1.20	1.20	1.50	1.55	1.72	2.12	2.85
LUBRICANTS	19.70	18.79	20.32	18.97	25.88	29.88	33.12	42.90	46.91	61.56	64.04
MOTOR GASOLINE	513.17	525.92	548.60	620.51	853.93	1,003.82	1,158.48	1,261.03	1,381.26	1,780.10	2,401.52
RESIDUAL FUEL	28.31	21.84	24.01	45.35	138.57	154.85	180.27	218.84	179.48	317.57	558.95
ELECTRICITY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRIC UTILITIES											
TOTAL ENERGY	74.12	91.29	110.24	167.23	273.69	299.18	436.14	615.39	716.19	864.65	1,053.21
OTHER COAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NATURAL GAS (DRY)	73.03	88.08	104.57	113.88	145.93	230.51	293.57	326.10	421.55	610.16	883.80
TOTAL PETROLEUM	1.09	3.21	5.68	53.35	127.75	68.67	142.56	289.29	294.64	254.49	169.41
DISTILLATE FUEL	.24	.28	1.50	36.22	71.02	13.90	20.52	45.70	43.74	27.40	53.88
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PETROLEUM COKE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RESIDUAL FUEL	.85	2.93	4.18	17.13	56.73	54.77	122.04	243.59	250.90	227.09	115.52
NUCLEAR POWER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WOOD AND WASTE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

* LESS THAN .005.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE TO THE INDUSTRIAL SECTOR BY STATE.

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE EXPENDITURES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL SINCE THERE ARE NO ASSOCIATED FUEL COSTS FOR THESE ENERGY SOURCES.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MEXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: COAL INCLUDES ANTHRACITE, BITUMINOUS, AND LIGNITE EXCEPT IN THE TRANSPORTATION SECTOR WHICH DOES NOT CONSUME ANTHRACITE.

NOTE: RESIDENTIAL, COMMERCIAL, INDUSTRIAL, AND TRANSPORTATION EXPENDITURES EXCLUDE ENERGY EXPENDITURES FOR WOOD AND WOOD WASTE.

NOTE: EXPENDITURES ON NET IMPORTS OF COAL COKE ARE NOT DISTRIBUTED BY STATE; THEREFORE, THE SUM OF THE TOTAL EXPENDITURES BY STATE WILL NOT EQUAL THE TOTAL U.S. EXPENDITURE.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, THE ENERGY, PRICE, AND EXPENDITURES DATA SYSTEM (EPEDS)

Table 60. Average Annual Fuel Prices by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Louisiana (Dollars per Million Btu)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
ALL FUELS	2.2672	2.5061	2.7306	2.8576	3.3189	3.3219	3.7366	4.3087	5.1072	5.6273	7.4724
OTHER COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	2.4471
NATURAL GAS	.7581	.8188	.8892	.9437	1.0874	1.3192	1.5135	1.9005	2.3643	2.6126	3.2780
TOTAL PETROLEUM	1.9604	2.1355	2.5374	3.8978	5.4381	4.3620	5.9694	4.6864	4.5249	5.9244	8.5326
DISTILLATE FUEL	.9118	.9995	1.0121	1.1818	2.0967	2.2274	2.5392	2.7529	2.9461	4.5863	6.8129
KEROSENE	1.6011	1.6860	1.7535	2.0308	3.2379	3.4156	3.7854	4.4175	4.6388	6.6614	.0000
LPG	1.9680	2.1411	2.5474	3.9425	5.4910	4.3928	6.0401	4.7275	4.5550	5.9500	8.5400
ELECTRICITY	6.5757	6.6504	6.7236	6.9274	7.8987	7.9506	8.4306	8.9999	9.5172	10.6777	12.8152
COMMERCIAL SECTOR											
ALL FUELS	1.6106	1.7792	1.9242	2.2689	2.7769	2.8815	3.4920	3.6856	3.6466	3.9800	5.5956
OTHER COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	1.2260
NATURAL GAS	.3711	.4012	.4490	.4954	.5836	.7699	1.0583	1.0521	1.3798	2.1985	2.5953
TOTAL PETROLEUM	1.0670	1.1938	1.1707	1.1820	2.1319	2.2076	2.3615	2.5375	2.4707	3.5579	4.0249
DISTILLATE FUEL	.8696	.9477	.9568	1.1227	2.0072	2.1594	2.4524	2.6896	2.8561	4.4461	6.6047
KEROSENE	.5841	.6246	.6246	.7445	1.7035	2.0257	2.3824	2.5397	2.3623	3.9035	5.9227
LPG	1.1505	1.1606	1.1643	1.2808	2.4117	2.6636	2.9089	3.2212	3.6162	3.9501	5.7364
MOTOR GASOLINE	2.8592	2.8448	2.7267	2.9203	3.9944	4.4906	4.8316	5.0351	5.3205	6.9935	9.7422
RESIDUAL FUEL	.5745	.6848	.7469	.8661	1.8640	1.7582	1.7833	2.0406	1.7598	2.8164	3.8011
ELECTRICITY	5.0543	5.1081	5.1693	5.7540	6.6013	6.9681	7.8106	8.3673	8.7818	10.0237	11.8087
INDUSTRIAL SECTOR											
ALL FUELS	.4620	.4908	.5402	.6316	1.1380	1.3242	1.4698	1.5666	1.5918	2.2140	3.4119
METALLURGICAL COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
OTHER COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	1.2058	1.3295	1.0395	1.2260
NATURAL GAS	.2240	.2514	.2903	.3335	.5297	.6307	.8741	.8824	.7753	.8479	1.2229
TOTAL PETROLEUM	.9080	.9176	.9147	1.0675	2.1220	2.3697	2.5540	2.7799	2.9196	3.7884	5.8483
ASPHALT	.6594	.7104	.6360	.6896	.7636	1.7758	1.7869	1.9676	2.1850	2.5643	3.6219
DISTILLATE FUEL	.5121	.5476	.5476	.6528	1.4936	1.8129	2.0704	2.1785	2.0172	3.3701	5.2366
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
KEROSENE	.5841	.6246	.6246	.7445	1.7035	2.0257	2.3824	2.5397	2.3623	3.9035	5.9227
LPG	1.1505	1.1606	1.1643	1.2808	2.4117	2.6636	2.9089	3.2212	3.6162	3.9501	5.7364
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.8592	2.8448	2.7267	2.9203	3.9944	4.4906	4.8316	5.0351	5.3205	6.9935	9.7422
RESIDUAL FUEL	.5618	.6696	.7304	.8469	1.8228	1.7194	1.7640	1.9803	1.7433	2.5300	3.4241
ROAD OIL	.7009	.7642	.6647	.9520	1.6516	1.8756	1.9155	2.0114	2.2133	2.5650	3.9156
OTHER PETROLEUM PRODUCTS	.7282	.7576	.7551	.9355	2.0341	2.2361	2.3887	2.6898	2.8327	3.9074	6.2121
ELECTRICITY	2.4959	2.5221	2.6047	3.0425	3.9878	4.0114	4.1719	4.8349	5.5606	6.7705	9.0544
TRANSPORTATION SECTOR											
ALL FUELS	1.6688	1.7360	1.7008	1.8036	2.5726	2.9240	3.0646	3.2962	3.4499	4.8613	6.2169
OTHER COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	1.2058	.0000	.0000	.0000
NATURAL GAS	.1929	.2076	.2235	.2367	.2718	.3742	.4789	.7775	.9180	1.2547	1.7394
TOTAL PETROLEUM	2.0113	2.1235	2.0537	2.1331	2.9913	3.2790	3.5204	3.7257	3.8548	5.2682	6.8158
AVIATION GASOLINE	3.4553	3.5236	3.4986	3.7615	5.2408	5.6360	5.8299	6.4522	7.0471	9.7345	13.7282
DISTILLATE FUEL	1.0749	1.1539	1.1700	1.4076	2.3816	2.5173	2.6484	2.9674	3.0656	4.6861	6.7754
JET FUEL	.8163	.8578	.8548	1.0141	1.7481	2.2793	2.4083	2.8044	3.2368	4.4827	7.1886
LPG	1.1505	1.1606	1.1643	1.2808	2.4117	2.6636	2.9089	3.2212	3.6162	3.9501	5.7364
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.8592	2.8448	2.7267	2.9203	3.9944	4.4906	4.8316	5.0351	5.3205	6.9935	9.7422
RESIDUAL FUEL	.4652	.5545	.6048	.7013	1.5093	1.4224	1.4922	1.6623	1.3656	2.3315	2.8475
ELECTRICITY	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
ELECTRIC UTILITIES											
ALL FUELS	.2154	.2409	.2754	.3968	.6709	.7400	.9592	1.2118	1.3339	1.7001	2.1757
OTHER COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
NATURAL GAS	.2135	.2362	.2663	.3050	.4156	.6309	.7844	.9055	1.1043	1.4701	2.0112
TOTAL PETROLEUM	.5229	.5265	.7423	1.1091	2.2507	1.7642	1.7729	1.9588	1.8989	2.7207	3.7954
DISTILLATE FUEL	.6570	.6853	.9263	1.4559	3.1563	1.9126	2.0664	2.4210	2.5258	2.9035	4.3717
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
PETROLEUM COKE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
RESIDUAL FUEL	.4942	.5151	.6929	.7377	1.6559	1.7301	1.7316	1.8911	1.8201	2.7002	3.5756
NUCLEAR POWER	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
WOOD AND WASTE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE PRICES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: THE FOLLOWING FUEL SECTOR PRICES HAVE BEEN SUBSTITUTED (SEE THE DOCUMENTATION FOR THE DETAILS), COAL COMMERCIAL = COAL INDUSTRIAL, KEROSENE COMMERCIAL = KEROSENE INDUSTRIAL, LPG COMMERCIAL = LPG INDUSTRIAL, MOTOR GASOLINE COMMERCIAL = MOTOR GASOLINE TRANSPORTATION; JET FUEL INDUSTRIAL = JET FUEL TRANSPORTATION, MOTOR GASOLINE INDUSTRIAL = MOTOR GASOLINE TRANSPORTATION, OTHER PETROLEUM PRODUCTS INDUSTRIAL = DISTILLATE INDUSTRIAL UNITED STATES; COAL TRANSPORTATION = COAL INDUSTRIAL, LPG TRANSPORTATION = LPG INDUSTRIAL, LUBRICANTS TRANSPORTATION = LUBRICANTS INDUSTRIAL.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 61. Fuel Expenditures and Electricity Sales by Fuel Type, 1970-1980: Maine (Million Dollars)

ENERGY EXPENDITURES ALL SECTORS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
COAL											
METALLURGICAL COAL	0	0	0	0	0	0	0	0	0	0	0
OTHER COAL	1	1	1	1	2	2	1	*	1	1	7
(INCLUDING ELECTRICITY GENERATION)	1	1	1	1	2	2	1	*	1	1	7
TOTAL COAL	1	1	1	1	2	2	1	*	1	1	7
(INCLUDING ELECTRICITY GENERATION)	1	1	1	1	2	2	1	*	1	1	7
NATURAL GAS											
TOTAL NATURAL GAS	3	4	4	4	5	6	7	9	9	11	12
(INCLUDING ELECTRICITY GENERATION)	3	4	4	4	5	6	7	9	9	11	12
PETROLEUM PRODUCTS											
ASPHALT AND ROAD OIL	3	5	4	6	10	9	11	10	10	6	11
AVIATION GASOLINE	4	3	3	3	4	3	3	4	4	4	7
DISTILLATE FUEL OIL	90	97	103	115	175	181	231	283	279	318	424
(INCLUDING ELECTRICITY GENERATION)	91	98	103	115	177	183	232	284	280	320	426
JET FUEL	9	10	9	12	18	21	25	34	39	54	76
(INCLUDING ELECTRICITY GENERATION)	9	10	9	12	18	21	25	34	39	54	76
KEROSENE	15	16	16	14	19	18	25	22	18	18	23
LIQUEFIED PETROLEUM GASES	5	4	8	9	12	15	19	22	21	33	36
LUBRICANTS	6	6	7	7	10	9	10	12	13	17	17
MOTOR GASOLINE	175	189	194	211	283	303	328	356	374	461	604
RESIDUAL FUEL	15	44	55	65	127	82	126	148	124	146	126
(INCLUDING ELECTRICITY GENERATION)	25	55	68	77	167	112	146	164	147	192	221
ALL OTHER PETROLEUM PRODUCTS	*	1	1	1	2	3	2	2	3	4	4
(INCLUDING ELECTRICITY GENERATION)	*	1	1	1	2	3	2	2	3	4	4
TOTAL PETROLEUM	323	375	400	441	659	645	780	893	884	1,060	1,327
(INCLUDING ELECTRICITY GENERATION)	333	387	414	454	701	678	801	910	908	1,107	1,425
NUCLEAR POWER, ELECTRICITY GENERATION	0	0	*	10	8	16	13	16	19	17	28
WOOD AND WASTE, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
ELECTRICITY SALES	102	109	128	140	182	216	224	261	283	343	462
TOTAL (INCLUDING ELECTRICITY SALES, EXCLUDING ELECTRICITY GENERATION)	429	490	533	587	847	868	1,013	1,163	1,177	1,415	1,807
TOTAL (EXCLUDING ELECTRICITY SALES, INCLUDING ELECTRICITY GENERATION)	338	392	419	469	715	702	823	935	937	1,136	1,471

* LESS THAN .5.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: THERE ARE NO PURCHASED FUEL EXPENDITURES FOR ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: DATA FOR 1980 DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.

NOTE: THE "ALL OTHER PETROLEUM PRODUCTS" CATEGORY INCLUDES NATURAL GASOLINE, UNFRACTIONATED STREAM, PLANT CONDENSATE, PETRO CHEMICAL FEEDSTOCKS, SPECIAL NAPHTHAS, PETROLEUM COKE (NOT CONSUMED IN ELECTRIC UTILITIES), STILL GAS, WAX, AND MISCELLANEOUS PRODUCTS. THE "(INCLUDING ELECTRICITY GENERATION)" CATEGORY INCLUDES PETROLEUM COKE FUEL EXPENDITURES FOR ELECTRIC UTILITIES.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE; THEREFORE, THE SUM OF ALL STATES WILL NOT EQUAL TOTAL U.S.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 62. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Maine (Million Dollars)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
TOTAL ENERGY	133.71	142.43	158.96	169.95	233.23	254.05	303.00	354.50	354.01	402.43	502.80
OTHER COAL	.09	.14	.08	.15	.10	.09	.04	.12	.06	.03	.29
NATURAL GAS (DRY)	1.66	1.83	2.07	2.09	2.35	3.02	3.33	4.02	3.80	4.58	5.10
TOTAL PETROLEUM	84.27	88.39	95.70	100.99	148.12	152.05	195.46	231.18	221.60	247.25	306.14
DISTILLATE FUEL	65.57	69.64	73.42	80.57	121.05	124.61	158.75	194.20	189.99	204.23	260.12
KEROSENE	14.95	15.72	15.91	13.38	17.55	16.71	23.09	20.26	15.76	16.38	18.75
LPG	3.76	3.03	6.38	7.04	9.52	10.72	13.62	16.72	15.84	26.64	27.28
ELECTRICITY	47.69	52.08	61.11	66.73	82.68	98.90	104.17	119.18	128.55	150.57	191.27
COMMERCIAL SECTOR											
TOTAL ENERGY	39.57	44.23	50.27	56.15	74.38	93.49	106.23	124.16	126.83	144.14	213.94
OTHER COAL	.19	.15	.16	.16	.24	.21	.08	.18	.03	.02	.55
NATURAL GAS (DRY)	.88	1.03	1.15	1.08	1.24	1.55	1.64	2.12	2.50	3.16	3.87
TOTAL PETROLEUM	12.70	14.96	15.86	17.83	30.30	29.76	39.34	47.79	45.05	51.78	95.62
DISTILLATE FUEL	10.74	11.43	12.01	13.72	22.12	22.84	29.26	36.10	34.89	39.17	68.48
KEROSENE	.31	.33	.33	.30	.58	.65	.91	.81	.63	.67	2.70
LPG	.35	.37	.44	.44	.82	1.30	1.80	1.95	1.76	2.32	2.86
MOTOR GASOLINE	.64	.67	.66	.54	.67	.97	1.02	1.11	1.17	1.66	2.48
RESIDUAL FUEL	.66	2.17	2.43	2.83	6.11	4.00	6.34	7.81	6.60	7.96	19.10
ELECTRICITY	25.81	28.10	33.09	37.08	42.60	61.96	65.17	74.08	79.24	89.18	113.89
INDUSTRIAL SECTOR											
TOTAL ENERGY	53.40	81.94	90.79	102.71	191.86	156.01	202.57	240.54	227.81	275.26	325.99
METALLURGICAL COAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER COAL	1.06	1.15	.64	.69	1.98	1.27	1.05	.16	.77	.93	5.77
NATURAL GAS (DRY)	.47	.66	.76	1.10	1.04	1.69	2.08	2.49	2.39	2.76	3.04
TOTAL PETROLEUM	23.36	50.87	55.55	64.45	132.31	98.20	144.28	169.76	149.46	168.38	160.51
ASPHALT	3.37	4.11	4.16	5.42	9.64	9.18	11.17	9.74	9.59	5.96	10.78
DISTILLATE FUEL	2.94	3.22	3.08	3.82	7.97	8.93	11.22	13.43	12.27	19.26	27.46
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KEROSENE	.21	.23	.23	.22	.48	.86	1.05	1.22	1.20	.93	1.12
LPG	.83	.92	1.23	1.18	1.59	2.76	3.14	3.25	3.29	4.33	5.34
LUBRICANTS	2.01	2.28	2.47	2.58	3.52	3.32	3.68	3.84	4.20	5.51	5.73
MOTOR GASOLINE	2.17	1.81	1.55	1.45	1.99	1.89	1.61	1.81	1.67	2.68	3.88
RESIDUAL FUEL	11.39	37.28	41.97	48.75	104.89	68.63	110.53	134.01	114.26	125.98	102.14
ROAD OIL	.00	.49	.30	.31	.16	*	.01	.00	.00	.00	.00
OTHER PETROLEUM PRODUCTS	.45	.54	.55	.72	2.08	2.64	1.85	2.46	2.99	3.74	4.06
ELECTRICITY	28.51	29.26	33.84	36.46	56.53	54.86	55.16	68.13	75.19	103.18	156.68
TRANSPORTATION SECTOR											
TOTAL ENERGY	202.37	220.91	233.14	257.93	347.99	364.87	401.04	444.22	468.23	592.86	764.62
OTHER COAL	*	*	*	*	*	*	*	*	.00	.00	.00
NATURAL GAS (DRY)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.06
TOTAL PETROLEUM	202.37	220.91	233.14	257.93	347.99	364.87	401.04	444.22	468.23	592.86	764.57
AVIATION GASOLINE	3.65	3.37	3.17	3.07	4.06	3.31	3.00	3.58	3.87	4.11	7.30
DISTILLATE FUEL	11.08	12.87	14.05	16.78	24.21	24.90	31.95	39.20	42.12	54.92	67.81
JET FUEL	8.76	9.94	9.48	11.76	17.67	21.20	24.72	34.19	38.63	53.71	75.55
LPG	.01	.01	.01	.01	.02	.01	.02	.03	.03	.04	.05
LUBRICANTS	4.18	4.18	4.52	4.39	5.99	6.14	6.81	7.84	8.58	11.25	11.71
MOTOR GASOLINE	172.10	186.20	191.66	208.72	280.44	300.23	325.49	353.19	371.50	456.32	597.76
RESIDUAL FUEL	2.60	4.34	10.23	13.20	15.61	9.07	9.04	6.19	3.50	12.50	4.38
ELECTRICITY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRIC UTILITIES											
TOTAL ENERGY	10.76	12.26	13.92	22.17	49.75	48.84	34.34	33.31	43.11	64.60	125.75
OTHER COAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NATURAL GAS (DRY)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
TOTAL PETROLEUM	10.76	12.26	13.82	12.45	41.82	32.77	21.24	16.95	24.10	47.15	97.91
DISTILLATE FUEL	.33	.69	.84	.47	1.35	2.12	1.08	.65	1.12	1.98	2.36
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PETROLEUM COKE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RESIDUAL FUEL	10.43	11.57	12.98	11.98	40.47	30.64	20.15	16.30	22.98	45.17	95.55
NUCLEAR POWER	.00	.00	.09	9.72	7.92	16.07	13.10	16.35	19.01	17.45	27.83
WOOD AND WASTE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

* LESS THAN .005.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE TO THE INDUSTRIAL SECTOR BY STATE.

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE EXPENDITURES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL SINCE THERE ARE NO ASSOCIATED FUEL COSTS FOR THESE ENERGY SOURCES.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MEXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: COAL INCLUDES ANTHRACITE, BITUMINOUS, AND LIGNITE EXCEPT IN THE TRANSPORTATION SECTOR WHICH DOES NOT CONSUME ANTHRACITE.

NOTE: RESIDENTIAL, COMMERCIAL, INDUSTRIAL, AND TRANSPORTATION EXPENDITURES EXCLUDE ENERGY EXPENDITURES FOR WOOD AND WOOD WASTE.

NOTE: EXPENDITURES ON NET IMPORTS OF COAL COKE ARE NOT DISTRIBUTED BY STATE; THEREFORE, THE SUM OF THE TOTAL EXPENDITURES BY STATE WILL NOT EQUAL THE TOTAL U.S. EXPENDITURE.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, THE ENERGY, PRICE, AND EXPENDITURES DATA SYSTEM (EPEDS)

Table 63. Average Annual Fuel Prices by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Maine (Dollars per Million Btu)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
ALL FUELS	2.1138	2.2215	2.3574	2.6851	3.7938	4.2141	4.2132	4.6955	5.1281	6.8444	9.4504
OTHER COAL	.4812	.8615	.5731	1.0539	.7853	1.0716	1.0564	1.7860	2.1950	1.4194	1.5209
NATURAL GAS	3.0726	3.1747	3.3401	3.3943	3.7118	4.0775	4.1113	5.2734	4.8828	6.2000	6.2007
TOTAL PETROLEUM	1.4877	1.5523	1.6108	1.8423	2.8209	2.9825	3.1724	3.5615	3.8202	5.1781	7.2959
DISTILLATE FUEL	1.4300	1.5113	1.5186	1.7429	2.7008	2.8679	3.0573	3.4325	3.6907	4.8927	7.0401
KEROSENE	1.5983	1.6639	1.6912	1.9440	3.0149	3.1614	3.3514	3.7550	4.0146	5.3412	8.1643
LPG	2.6017	2.1411	3.8430	4.1269	5.0975	4.7821	4.8666	5.6913	6.0900	9.0600	10.0400
ELECTRICITY	8.1122	8.0854	8.4128	8.6406	10.0615	11.6546	11.0192	12.2153	12.5757	14.6319	18.6981
COMMERCIAL SECTOR											
ALL FUELS	2.4192	2.3378	2.5189	2.9130	4.0641	5.1563	4.8740	5.4040	5.8526	7.6888	9.3178
OTHER COAL	.8451	.7692	.9248	.9067	1.3951	1.7700	1.8042	1.8845	1.8835	1.7869	2.1359
NATURAL GAS	2.0505	2.1324	2.3510	2.4521	2.7143	3.0073	3.2519	4.1602	4.2090	4.7200	5.0037
TOTAL PETROLEUM	1.0230	1.0189	1.0354	1.2383	2.2484	2.4446	2.5418	2.9088	3.0272	4.2378	5.9411
DISTILLATE FUEL	1.1114	1.1768	1.1791	1.4080	2.3425	2.4944	2.6744	3.0285	3.2166	4.4536	6.4177
KEROSENE	.6790	.7210	.7192	.9104	2.0868	2.5547	2.7528	3.1237	3.3360	4.5402	6.8020
LPG	1.3777	1.4699	1.4885	1.4732	2.4775	3.2933	3.6475	3.7662	3.8383	4.4682	5.9701
MOTOR GASOLINE	3.0200	3.1234	3.0490	3.2103	4.3505	4.5627	4.7001	5.0259	5.2146	7.0496	9.7729
RESIDUAL FUEL	.3619	.5351	.5829	.7334	1.8688	1.8558	1.8154	2.2258	2.0858	3.1569	4.4474
ELECTRICITY	7.8330	7.8800	8.3325	8.7098	10.1469	11.6453	11.2988	12.4606	12.8304	15.2527	19.5225
INDUSTRIAL SECTOR											
ALL FUELS	.9927	.8716	.9460	1.1146	2.3438	2.6303	2.3928	2.8226	2.9029	4.1304	6.4475
METALLURGICAL COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
OTHER COAL	.8451	.7692	.9248	.9067	1.3951	1.7700	1.8042	1.8845	1.8835	1.7869	2.1359
NATURAL GAS	1.2745	1.4877	1.6341	1.7901	1.8315	2.3720	2.7441	3.2520	3.0664	3.4900	4.1899
TOTAL PETROLEUM	.5299	.6059	.6444	.7873	1.8786	1.9865	1.9426	2.2858	2.2477	3.1211	4.5474
ASPHALT	.7250	.8622	.8676	.8576	1.5927	1.9884	2.0116	2.0843	2.2757	2.6515	3.7339
DISTILLATE FUEL	.6273	.6661	.6645	.8411	1.9279	2.3022	2.5494	2.8996	3.0884	4.4495	6.2185
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
KEROSENE	.6790	.7210	.7192	.9104	2.0868	2.5547	2.7528	3.1237	3.3360	4.5402	6.8020
LPG	1.3777	1.4699	1.4885	1.4732	2.4775	3.2933	3.6475	3.7662	3.8383	4.4682	5.9701
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	3.0200	3.1234	3.0490	3.2103	4.3505	4.5627	4.7001	5.0259	5.2146	7.0496	9.7729
RESIDUAL FUEL	.3539	.5233	.5700	.7172	1.8276	1.8149	1.7958	2.1600	2.0662	2.8358	4.0063
ROAD OIL	.0000	.9362	.8966	.9428	1.7467	2.0043	2.0860	.0000	.0000	.0000	.0000
OTHER PETROLEUM PRODUCTS	.7282	.7576	.7551	.9355	2.0341	2.2361	2.3887	2.6898	2.8327	3.9074	6.2121
ELECTRICITY	3.5263	3.6096	3.9284	4.0911	5.9878	6.4894	6.0958	6.7430	6.9653	9.0679	13.2334
TRANSPORTATION SECTOR											
ALL FUELS	2.3294	2.3984	2.1739	2.3387	3.6346	3.9897	4.1255	4.5136	4.7521	6.2862	9.0721
OTHER COAL	.8451	.7692	.9248	.9067	1.3951	1.7700	1.8042	1.8845	.0000	.0000	.0000
NATURAL GAS	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	2.5659
TOTAL PETROLEUM	2.3295	2.3985	2.1739	2.3387	3.6346	3.9897	4.1255	4.5136	4.7521	6.2862	9.0737
AVIATION GASOLINE	3.4553	3.5236	3.4986	3.7615	5.2408	5.6360	5.8299	6.4522	7.0471	8.7361	12.2306
DISTILLATE FUEL	1.3746	1.4757	1.4856	1.7866	2.7074	2.8750	3.0714	3.5887	3.7547	5.2496	7.3405
JET FUEL	.7822	.8222	.8193	.9719	1.6756	2.1852	2.3879	2.7469	3.0925	4.1449	6.7825
LPG	1.3777	1.4699	1.4885	1.4732	2.4775	3.2933	3.6475	3.7662	3.8383	4.4682	5.9701
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	3.0200	3.1234	3.0490	3.2103	4.3505	4.5627	4.7001	5.0259	5.2146	7.0496	9.7729
RESIDUAL FUEL	.2930	.4333	.4720	.5938	1.5133	1.5014	1.5192	1.8131	1.6185	2.6134	3.3317
ELECTRICITY	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
ELECTRIC UTILITIES											
ALL FUELS	.3436	.3927	.3758	.3250	.7594	.7214	.4438	.5239	.6150	1.0081	1.8213
OTHER COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
NATURAL GAS	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
TOTAL PETROLEUM	.3436	.3927	.3792	.3932	1.6330	1.8090	1.7866	2.0706	2.0925	2.9050	4.4141
DISTILLATE FUEL	.4797	.5453	.5255	.5484	2.3403	2.4800	2.5470	2.7890	2.9616	4.7278	6.3305
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
PETROLEUM COKE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
RESIDUAL FUEL	.3406	.3863	.3725	.3889	1.6167	1.7757	1.7584	2.0496	2.0630	2.8567	4.3813
NUCLEAR POWER	.0000	.0000	.1601	.2660	.1986	.3242	.2000	.2953	.3245	.3647	.5940
WOOD AND WASTE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE PRICES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: THE FOLLOWING FUEL SECTOR PRICES HAVE BEEN SUBSTITUTED (SEE THE DOCUMENTATION FOR THE DETAILS), COAL COMMERCIAL = COAL INDUSTRIAL, KEROSENE COMMERCIAL = KEROSENE INDUSTRIAL, LPG COMMERCIAL = LPG INDUSTRIAL, MOTOR GASOLINE COMMERCIAL = MOTOR GASOLINE TRANSPORTATION; JET FUEL INDUSTRIAL = JET FUEL TRANSPORTATION, MOTOR GASOLINE INDUSTRIAL = MOTOR GASOLINE TRANSPORTATION, OTHER PETROLEUM PRODUCTS INDUSTRIAL = DISTILLATE INDUSTRIAL UNITED STATES; COAL TRANSPORTATION = COAL INDUSTRIAL, LPG TRANSPORTATION = LPG INDUSTRIAL, LUBRICANTS TRANSPORTATION = LUBRICANTS INDUSTRIAL.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 64. Fuel Expenditures and Electricity Sales by Fuel Type, 1970-1980: Maryland (Million Dollars)

ENERGY EXPENDITURES ALL SECTORS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
COAL											
METALLURGICAL COAL	84	90	78	119	163	215	256	157	166	204	161
OTHER COAL	7	10	7	9	16	9	5	7	20	25	22
(INCLUDING ELECTRICITY GENERATION)	64	79	67	60	138	122	137	127	177	202	244
TOTAL COAL	91	100	85	128	179	224	261	164	186	228	183
(INCLUDING ELECTRICITY GENERATION)	148	169	145	179	301	337	393	284	344	406	405
NATURAL GAS											
TOTAL NATURAL GAS	167	180	208	207	244	273	333	447	351	435	612
(INCLUDING ELECTRICITY GENERATION)	170	183	210	211	254	274	334	447	352	453	626
PETROLEUM PRODUCTS											
ASPHALT AND ROAD OIL	11	15	17	24	40	41	44	48	58	60	65
AVIATION GASOLINE	4	4	4	4	5	4	4	5	5	5	10
DISTILLATE FUEL OIL	134	134	142	183	285	303	317	389	400	625	843
(INCLUDING ELECTRICITY GENERATION)	137	141	149	190	314	325	332	403	421	654	901
JET FUEL	21	20	17	20	31	39	41	52	58	78	132
(INCLUDING ELECTRICITY GENERATION)	21	20	19	22	32	40	42	53	59	79	132
KEROSENE	19	26	17	11	19	22	19	20	19	44	54
LIQUEFIED PETROLEUM GASES	13	14	16	25	26	33	40	40	43	55	71
LUBRICANTS	23	22	24	22	31	43	48	43	47	62	64
MOTOR GASOLINE	557	589	655	706	1,005	1,115	1,186	1,290	1,340	1,641	2,296
RESIDUAL FUEL	33	62	68	88	160	114	131	136	118	203	230
(INCLUDING ELECTRICITY GENERATION)	61	116	154	203	460	304	316	354	353	465	434
ALL OTHER PETROLEUM PRODUCTS	5	6	6	8	17	27	30	38	36	44	61
(INCLUDING ELECTRICITY GENERATION)	5	6	6	8	17	27	30	38	36	44	61
TOTAL PETROLEUM	819	892	965	1,091	1,619	1,741	1,858	2,060	2,124	2,818	3,825
(INCLUDING ELECTRICITY GENERATION)	850	953	1,062	1,215	1,950	1,953	2,060	2,293	2,381	3,109	4,088
NUCLEAR POWER, ELECTRICITY GENERATION	0	0	0	0	0	11	15	36	39	44	42
WOOD AND WASTE, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
ELECTRICITY SALES	443	518	579	676	911	1,023	1,131	1,274	1,488	1,552	1,828
TOTAL (INCLUDING ELECTRICITY SALES, EXCLUDING ELECTRICITY GENERATION)	1,520	1,691	1,837	2,102	2,953	3,262	3,584	3,945	4,150	5,033	6,449
TOTAL (EXCLUDING ELECTRICITY SALES, INCLUDING ELECTRICITY GENERATION)	1,169	1,306	1,417	1,605	2,504	2,575	2,802	3,061	3,116	4,012	5,161

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: THERE ARE NO PURCHASED FUEL EXPENDITURES FOR ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: DATA FOR 1980 DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.

NOTE: THE "ALL OTHER PETROLEUM PRODUCTS" CATEGORY INCLUDES NATURAL GASOLINE, UNFRACTIONATED STREAM, PLANT CONDENSATE, PETRO CHEMICAL FEEDSTOCKS, SPECIAL NAPHTHAS, PETROLEUM COKE (NOT CONSUMED IN ELECTRIC UTILITIES), STILL GAS, WAX, AND MISCELLANEOUS PRODUCTS. THE "(INCLUDING ELECTRICITY GENERATION)" CATEGORY INCLUDES PETROLEUM COKE FUEL EXPENDITURES FOR ELECTRIC UTILITIES.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE; THEREFORE, THE SUM OF ALL STATES WILL NOT EQUAL TOTAL U.S.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 65. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Maryland (Million Dollars)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
TOTAL ENERGY	365.27	405.43	432.71	486.69	619.47	704.83	768.50	918.53	895.71	1,052.37	1,406.77
OTHER COAL	.58	1.18	.76	.87	1.77	.52	.35	.97	.74	4.29	.86
NATURAL GAS (DRY)	106.95	112.09	123.96	122.39	132.78	162.49	188.89	275.15	165.82	192.42	308.19
TOTAL PETROLEUM	93.14	100.42	94.02	110.32	151.14	170.00	178.69	197.69	207.80	322.13	444.52
DISTILLATE FUEL	65.68	65.19	67.47	80.99	119.24	129.37	136.79	162.23	171.31	253.29	357.70
KEROSENE	18.45	25.20	15.74	10.62	16.78	19.35	17.56	13.52	11.76	33.95	40.28
LPG	9.01	10.03	10.80	18.71	15.11	21.29	24.35	21.94	24.74	34.90	46.53
ELECTRICITY	164.61	191.74	213.98	253.11	333.78	371.81	400.56	444.72	521.35	533.52	653.21
COMMERCIAL SECTOR											
TOTAL ENERGY	220.16	255.39	286.68	328.84	432.72	499.17	570.08	637.19	696.80	795.92	898.47
OTHER COAL	.31	.43	.21	.23	.68	.41	.27	.56	.48	3.36	.57
NATURAL GAS (DRY)	28.96	32.62	37.19	37.21	42.55	50.29	72.47	87.30	92.43	116.13	117.62
TOTAL PETROLEUM	28.00	33.47	35.35	42.64	70.28	66.91	72.46	82.56	81.82	125.90	156.28
DISTILLATE FUEL	20.86	20.64	21.30	25.37	40.65	45.06	47.68	57.29	59.55	91.50	106.60
KEROSENE	.35	.40	.27	.18	.43	.47	.47	.34	.30	.94	.79
LPG	.85	.88	1.01	1.17	1.92	2.23	2.73	2.91	3.19	3.42	4.21
MOTOR GASOLINE	1.54	1.60	1.67	1.85	2.79	3.06	3.23	3.08	3.45	4.55	6.32
RESIDUAL FUEL	4.41	9.95	11.11	14.07	24.49	16.09	18.36	18.93	15.33	25.48	38.37
ELECTRICITY	162.88	188.87	213.93	248.76	319.21	381.56	424.88	466.77	522.06	550.53	623.99
INDUSTRIAL SECTOR											
TOTAL ENERGY	305.39	368.12	385.80	479.10	729.94	777.41	879.32	878.38	984.87	1,163.57	1,310.30
METALLURGICAL COAL	84.23	90.37	77.99	118.85	162.63	215.31	256.27	157.21	166.37	203.62	161.35
OTHER COAL	5.92	8.42	6.06	7.69	13.60	7.92	4.42	5.52	18.69	17.01	20.22
NATURAL GAS (DRY)	30.26	34.57	45.82	46.94	68.07	59.66	70.83	82.91	91.33	123.62	177.06
TOTAL PETROLEUM	69.46	97.22	104.91	131.45	228.36	225.23	242.80	270.82	265.14	353.77	402.92
ASPHALT	11.13	15.31	16.90	23.84	39.44	40.80	44.46	47.52	57.79	60.23	65.30
DISTILLATE FUEL	15.25	16.37	18.13	22.72	44.17	45.70	47.44	57.62	56.75	87.56	119.96
JET FUEL	.00	.00	.00	.00	.00	.53	.22	.17	.00	.00	.00
KEROSENE	.47	.38	.50	.39	1.95	2.10	.74	6.01	6.61	9.58	12.61
LPG	2.87	3.24	4.15	4.99	8.28	8.87	12.20	14.76	14.88	15.98	19.64
LUBRICANTS	11.89	10.62	11.48	11.23	15.33	25.87	28.67	24.65	26.96	35.37	36.80
MOTOR GASOLINE	3.91	3.56	2.98	3.07	4.31	7.48	3.33	2.14	1.93	1.87	7.55
RESIDUAL FUEL	19.22	42.13	44.71	57.60	97.29	67.04	76.05	79.89	64.31	99.02	79.61
ROAD OIL	.00	.00	.00	.00	.38	.01	.02	.00	.00	.00	.00
OTHER PETROLEUM PRODUCTS	4.71	5.61	6.06	7.61	17.22	26.83	29.66	38.06	35.91	44.16	61.45
ELECTRICITY	115.53	137.54	151.02	174.17	257.28	269.29	305.01	361.92	443.35	465.55	548.75
TRANSPORTATION SECTOR											
TOTAL ENERGY	628.98	661.59	732.17	807.07	1,170.47	1,280.10	1,366.19	1,510.58	1,572.51	2,021.03	2,833.28
OTHER COAL	.05	.07	.04	.03	.04	.02	.01	*	.00	.00	.00
NATURAL GAS (DRY)	.39	.45	.79	.55	.46	.82	1.11	1.43	1.52	2.75	9.45
TOTAL PETROLEUM	628.30	660.78	731.02	806.12	1,169.35	1,278.53	1,364.43	1,508.53	1,569.72	2,016.31	2,821.70
AVIATION GASOLINE	4.36	4.01	3.61	3.75	5.36	4.16	3.96	4.54	4.94	4.94	9.68
DISTILLATE FUEL	31.78	31.42	34.98	53.61	81.33	83.04	85.03	111.40	112.78	192.95	258.38
JET FUEL	20.53	19.81	17.49	20.01	30.78	38.05	40.40	51.59	58.17	78.13	131.70
LPG	.07	.08	.09	.11	.20	.18	.26	.30	.36	.39	.47
LUBRICANTS	10.93	11.42	12.35	11.26	15.37	17.39	19.28	18.46	20.19	26.49	27.56
MOTOR GASOLINE	551.25	584.24	650.70	701.21	998.00	1,104.46	1,179.15	1,284.62	1,334.45	1,634.42	2,281.93
RESIDUAL FUEL	9.38	9.80	11.80	16.17	38.31	31.24	36.35	37.61	38.84	78.98	111.98
ELECTRICITY	.24	.29	.32	.37	.61	.73	.64	.62	1.27	1.98	2.13
ELECTRIC UTILITIES											
TOTAL ENERGY	92.38	133.46	159.15	180.14	462.56	337.21	349.16	389.87	453.98	530.50	540.48
OTHER COAL	57.25	68.55	60.25	51.48	122.08	112.85	132.13	120.19	157.50	177.31	221.97
NATURAL GAS (DRY)	3.78	3.33	2.60	4.17	10.08	.51	.38	.68	.99	17.88	13.53
TOTAL PETROLEUM	31.36	61.58	96.30	124.49	330.40	212.49	201.30	233.10	256.40	291.10	262.83
DISTILLATE FUEL	3.16	7.26	7.58	7.67	28.97	21.45	15.15	14.20	20.69	28.79	58.00
JET FUEL	.00	.00	1.92	1.49	1.59	1.05	1.03	1.66	.72	.50	.38
PETROLEUM COKE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RESIDUAL FUEL	28.19	54.32	86.80	115.33	299.83	190.00	185.13	217.24	234.99	261.81	204.45
NUCLEAR POWER	.00	.00	.00	.00	.00	11.36	15.34	35.91	39.09	44.21	42.15
WOOD AND WASTE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

* LESS THAN .005.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE TO THE INDUSTRIAL SECTOR BY STATE.

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE EXPENDITURES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL SINCE THERE ARE NO ASSOCIATED FUEL COSTS FOR THESE ENERGY SOURCES.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MEXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: COAL INCLUDES ANTHRACITE, BITUMINOUS, AND LIGNITE EXCEPT IN THE TRANSPORTATION SECTOR WHICH DOES NOT CONSUME ANTHRACITE.

NOTE: RESIDENTIAL, COMMERCIAL, INDUSTRIAL, AND TRANSPORTATION EXPENDITURES EXCLUDE ENERGY EXPENDITURES FOR WOOD AND WOOD WASTE.

NOTE: EXPENDITURES ON NET IMPORTS OF COAL COKE ARE NOT DISTRIBUTED BY STATE; THEREFORE, THE SUM OF THE TOTAL EXPENDITURES BY STATE WILL NOT EQUAL THE TOTAL U.S. EXPENDITURE.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, THE ENERGY, PRICE, AND EXPENDITURES DATA SYSTEM (EPEDS)

Table 66. Average Annual Fuel Prices by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Maryland (Dollars per Million Btu)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
ALL FUELS	2.2258	2.4464	2.6149	2.9700	3.9341	4.4371	4.6929	5.8362	5.5440	6.1136	8.3431
OTHER COAL	.4240	1.1538	1.3461	1.3889	2.2699	1.7480	1.7480	2.6700	2.8500	2.5560	2.7932
NATURAL GAS	1.4225	1.4772	1.6137	1.6481	1.8599	2.3021	2.5247	4.1437	2.3299	2.7182	4.3796
TOTAL PETROLEUM	1.4551	1.5680	1.5242	1.8615	2.6922	2.9112	3.1104	3.4489	3.7558	4.9739	7.3531
DISTILLATE FUEL	1.3704	1.4035	1.4072	1.6545	2.5905	2.6932	2.9066	3.3131	3.5751	4.7346	7.0133
KEROSENE	1.5020	1.8349	1.6814	1.9034	2.9411	3.3659	3.2814	3.8563	4.0975	5.5333	8.5595
LPG	2.3712	2.5990	2.4705	3.9531	3.4337	4.6142	4.8320	4.5267	5.4467	6.8000	9.8100
ELECTRICITY	6.9908	7.7389	8.0998	8.5171	11.4491	12.5742	12.8031	13.3542	14.9789	15.2865	17.4261
COMMERCIAL SECTOR											
ALL FUELS	2.7266	2.8400	3.0450	3.4034	4.7899	5.9056	6.3265	7.1841	7.8966	8.1372	9.9585
OTHER COAL	.2008	.3703	.2982	.2927	.7075	.9702	.8856	.9284	1.1348	1.0942	1.1267
NATURAL GAS	1.0848	1.1187	1.1941	1.2309	1.3980	1.9562	2.5247	3.1102	3.3201	3.6179	3.8789
TOTAL PETROLEUM	.9440	.9453	.9772	1.1493	2.2262	2.3986	2.4833	2.8811	3.0115	4.2616	6.1292
DISTILLATE FUEL	1.1176	1.1412	1.1407	1.3310	2.2677	2.4090	2.6018	3.0050	3.1917	4.3927	6.4167
KEROSENE	.8815	.8951	.8898	1.0239	2.3494	2.5319	2.7218	3.0193	3.2313	4.7570	6.9937
LPG	1.2606	1.2980	1.3092	1.4059	2.4691	2.7427	3.0665	3.4044	3.9768	3.7800	5.0269
MOTOR GASOLINE	2.8520	2.8831	3.0117	3.1355	4.5153	4.8586	4.9561	5.2317	5.3277	7.0223	9.9322
RESIDUAL FUEL	.4695	.6360	.6995	.8558	2.0299	2.1275	2.0084	2.3569	2.1998	3.6604	5.2566
ELECTRICITY	7.1392	7.8097	8.1871	8.7315	11.6600	12.5116	13.3087	14.8825	15.9129	16.6330	18.4114
INDUSTRIAL SECTOR											
ALL FUELS	.9050	1.0521	1.1402	1.2136	2.2647	2.8154	2.8775	3.3719	3.7604	3.8300	5.0776
METALLURGICAL COAL	.6011	.7285	.7892	.8688	1.6423	2.2027	2.1788	2.2004	2.4104	2.3923	2.4577
OTHER COAL	.2008	.3703	.2982	.2927	.7075	.9702	.8856	.9284	1.1348	1.0942	1.1267
NATURAL GAS	.6687	.7023	.7353	.7603	1.1581	1.3600	1.5976	2.1457	2.5143	2.0674	3.1872
TOTAL PETROLEUM	.7553	.8055	.8543	.9846	2.0732	2.3989	2.4242	2.6468	2.7567	3.6588	5.5720
ASPHALT	.5996	.7806	.8242	.9346	1.5798	1.8945	1.9797	2.0582	2.2359	2.5785	3.7296
DISTILLATE FUEL	.8064	.8189	.8140	.9367	2.1494	2.3416	2.5099	2.7640	2.9408	3.8763	6.2751
JET FUEL	.0000	.0000	.0000	.0000	.0000	2.2326	2.3722	2.8019	.0000	.0000	.0000
KEROSENE	.8815	.8951	.8898	1.0239	2.3494	2.5319	2.7218	3.0193	3.2313	4.7570	6.9937
LPG	1.2606	1.2980	1.3092	1.4059	2.4691	2.7427	3.0665	3.4044	3.9768	3.7800	5.0269
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.8520	2.8831	3.0117	3.1355	4.5153	4.8586	4.9561	5.2317	5.3277	7.0223	9.9322
RESIDUAL FUEL	.4591	.6219	.6841	.8369	1.9850	2.0805	1.9866	2.2873	2.1791	3.2881	4.7352
ROAD OIL	.0000	.0000	.0000	.0000	1.6634	1.9620	2.0253	.0000	.0000	.0000	.0000
OTHER PETROLEUM PRODUCTS	.7282	.7576	.7551	.9355	2.0341	2.2361	2.3887	2.6898	2.8327	3.9074	6.2121
ELECTRICITY	3.7670	4.1459	4.4288	4.7748	7.3213	8.2968	7.9234	8.5882	10.0962	9.9777	11.7771
TRANSPORTATION SECTOR											
ALL FUELS	2.2995	2.4182	2.5250	2.6649	3.9449	4.3057	4.4028	4.7171	4.8028	6.3547	8.9224
OTHER COAL	.2008	.3703	.2982	.2927	.7075	.9702	.8856	.9284	.0000	.0000	.0000
NATURAL GAS	.1858	.2073	.2159	.2349	.2593	.3710	.4867	.6676	.8147	1.1744	2.3637
TOTAL PETROLEUM	2.3174	2.4367	2.5550	2.6843	3.9669	4.3343	4.4311	4.7436	4.8236	6.3904	9.0041
AVIATION GASOLINE	3.4553	3.5236	3.4986	3.7615	5.2408	5.6360	5.8299	6.4522	7.0471	9.2353	13.1458
DISTILLATE FUEL	1.3050	1.3786	1.3900	1.7726	2.7512	2.7865	2.9821	3.5041	3.6787	5.3687	7.6202
JET FUEL	.7993	.8400	.8370	.9933	1.7119	2.2326	2.3722	2.8019	3.1058	4.3364	7.0906
LPG	1.2606	1.2980	1.3092	1.4059	2.4691	2.7427	3.0665	3.4044	3.9768	3.7800	5.0269
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.8520	2.8831	3.0117	3.1355	4.5153	4.8586	4.9561	5.2317	5.3277	7.0223	9.9322
RESIDUAL FUEL	.3802	.5150	.5664	.6929	1.6437	1.7211	1.6806	1.9200	1.7070	3.0302	3.9379
ELECTRICITY	3.6652	4.3708	4.6335	5.0703	7.5090	8.1779	7.5344	7.3841	10.4403	11.0516	12.5440
ELECTRIC UTILITIES											
ALL FUELS	.4030	.5618	.5931	.6573	1.6044	1.3173	1.1422	1.1705	1.2862	1.5763	1.6554
OTHER COAL	.3910	.5190	.5390	.5302	1.2569	1.1982	1.0592	1.1133	1.3324	1.3656	1.5175
NATURAL GAS	.3205	.3425	.3595	.4589	.7297	1.0979	1.6286	2.0811	1.8525	1.7613	2.5019
TOTAL PETROLEUM	.4414	.6432	.6449	.7416	1.8628	1.8800	1.8336	2.1658	2.0359	3.1094	4.5052
DISTILLATE FUEL	.5423	.7917	.7905	.9354	2.0830	2.1510	2.2999	2.6588	2.7508	4.2834	5.9583
JET FUEL	.0000	.0000	1.6044	1.7319	2.2677	2.4256	2.4132	2.7395	2.8107	6.2633	6.7870
PETROLEUM COKE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
RESIDUAL FUEL	.4324	.6275	.6265	.7262	1.8422	1.8514	1.8013	2.1365	1.9887	3.0156	4.2112
NUCLEAR POWER	.0000	.0000	.0000	.0000	.0000	.2352	.2163	.3064	.3610	.4295	.3618
WOOD AND WASTE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE PRICES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: THE FOLLOWING FUEL SECTOR PRICES HAVE BEEN SUBSTITUTED (SEE THE DOCUMENTATION FOR THE DETAILS), COAL COMMERCIAL = COAL INDUSTRIAL, KEROSENE COMMERCIAL = KEROSENE INDUSTRIAL, LPG COMMERCIAL = LPG INDUSTRIAL, MOTOR GASOLINE COMMERCIAL = MOTOR GASOLINE TRANSPORTATION; JET FUEL INDUSTRIAL = JET FUEL TRANSPORTATION, MOTOR GASOLINE INDUSTRIAL = MOTOR GASOLINE TRANSPORTATION, OTHER PETROLEUM PRODUCTS INDUSTRIAL = DISTILLATE INDUSTRIAL UNITED STATES; COAL TRANSPORTATION = COAL INDUSTRIAL, LPG TRANSPORTATION = LPG INDUSTRIAL, LUBRICANTS TRANSPORTATION = LUBRICANTS INDUSTRIAL.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 67. Fuel Expenditures and Electricity Sales by Fuel Type, 1970-1980: Massachusetts (Million Dollars)

ENERGY EXPENDITURES ALL SECTORS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
COAL											
METALLURGICAL COAL	0	0	0	0	0	0	0	0	0	0	0
OTHER COAL	4	2	3	3	5	7	4	5	4	5	9
(INCLUDING ELECTRICITY GENERATION)	8	5	4	3	31	40	4	5	4	8	44
TOTAL COAL	4	2	3	3	5	7	4	5	4	5	9
(INCLUDING ELECTRICITY GENERATION)	8	5	4	3	31	40	4	5	4	8	44
NATURAL GAS											
TOTAL NATURAL GAS	237	269	300	309	359	447	520	574	606	623	893
(INCLUDING ELECTRICITY GENERATION)	239	273	304	312	370	449	524	580	609	635	911
PETROLEUM PRODUCTS											
ASPHALT AND ROAD OIL	12	16	15	18	25	24	28	26	28	26	30
AVIATION GASOLINE	3	2	3	3	5	4	5	7	10	10	14
DISTILLATE FUEL OIL	442	487	504	596	863	908	1,049	1,142	1,171	1,204	1,503
(INCLUDING ELECTRICITY GENERATION)	445	494	511	602	873	912	1,051	1,147	1,178	1,213	1,518
JET FUEL	35	40	41	49	77	98	108	136	149	205	327
(INCLUDING ELECTRICITY GENERATION)	35	40	42	50	78	98	109	137	149	206	328
KEROSENE	16	17	17	13	15	15	18	21	17	23	30
LIQUEFIED PETROLEUM GASES	17	17	19	24	28	35	43	51	50	74	81
LUBRICANTS	35	32	35	35	48	45	49	50	55	72	75
MOTOR GASOLINE	744	781	809	912	1,250	1,357	1,424	1,542	1,555	2,037	2,619
RESIDUAL FUEL	130	171	182	220	406	347	366	354	321	241	218
(INCLUDING ELECTRICITY GENERATION)	229	339	375	424	859	833	902	981	899	1,060	1,292
ALL OTHER PETROLEUM PRODUCTS	2	3	3	4	12	15	18	23	26	33	41
(INCLUDING ELECTRICITY GENERATION)	2	3	3	4	12	15	18	23	26	33	41
TOTAL PETROLEUM	1,435	1,568	1,628	1,874	2,730	2,847	3,108	3,354	3,381	3,924	4,939
(INCLUDING ELECTRICITY GENERATION)	1,538	1,742	1,830	2,085	3,193	3,338	3,647	3,984	3,966	4,753	6,027
NUCLEAR POWER, ELECTRICITY GENERATION	3	3	3	12	7	7	8	6	15	17	13
WOOD AND WASTE, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
ELECTRICITY SALES	613	711	799	913	1,272	1,399	1,538	1,652	1,702	1,916	2,366
TOTAL (INCLUDING ELECTRICITY SALES, EXCLUDING ELECTRICITY GENERATION)	2,288	2,550	2,731	3,100	4,365	4,699	5,171	5,585	5,694	6,468	8,206
TOTAL (EXCLUDING ELECTRICITY SALES, INCLUDING ELECTRICITY GENERATION)	1,787	2,023	2,142	2,413	3,601	3,835	4,182	4,575	4,594	5,413	6,995

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: THERE ARE NO PURCHASED FUEL EXPENDITURES FOR ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: DATA FOR 1980 DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.

NOTE: THE "ALL OTHER PETROLEUM PRODUCTS" CATEGORY INCLUDES NATURAL GASOLINE, UNFRACTIONATED STREAM, PLANT CONDENSATE, PETRO CHEMICAL FEEDSTOCKS, SPECIAL NAPHTHAS, PETROLEUM COKE (NOT CONSUMED IN ELECTRIC UTILITIES), STILL GAS, WAX, AND MISCELLANEOUS PRODUCTS. THE "(INCLUDING ELECTRICITY GENERATION)" CATEGORY INCLUDES PETROLEUM COKE FUEL EXPENDITURES FOR ELECTRIC UTILITIES.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE; THEREFORE, THE SUM OF ALL STATES WILL NOT EQUAL TOTAL U.S.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 68. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Massachusetts (Million Dollars)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
TOTAL ENERGY	777.28	873.34	941.13	1,047.71	1,391.16	1,486.24	1,698.44	1,812.21	1,830.96	1,883.30	2,386.38
OTHER COAL	.30	.46	.19	.49	.37	.28	.25	.38	.32	.20	1.07
NATURAL GAS (DRY)	161.58	180.12	200.26	203.45	235.13	288.91	350.86	372.57	363.97	371.39	515.91
TOTAL PETROLEUM	341.98	373.91	384.57	443.06	611.40	641.90	746.22	814.40	826.85	804.93	998.11
DISTILLATE FUEL	318.18	349.82	357.97	415.43	584.13	612.93	713.39	776.45	792.38	752.75	944.24
KEROSENE	13.21	13.46	14.50	11.47	10.88	10.59	12.24	14.30	10.39	13.11	14.95
LPG	10.59	10.63	12.11	16.16	16.39	18.39	20.59	23.64	24.08	39.07	38.91
ELECTRICITY	273.42	318.84	356.10	400.70	544.25	555.14	601.11	624.86	639.81	706.78	871.28
COMMERCIAL SECTOR											
TOTAL ENERGY	401.56	471.16	511.14	601.95	868.66	979.02	1,095.83	1,194.43	1,231.85	1,314.48	1,669.98
OTHER COAL	.49	.30	.30	.57	1.01	.86	.55	.56	.20	.27	1.91
NATURAL GAS (DRY)	51.05	60.16	63.93	71.79	81.38	101.67	117.69	140.99	162.61	180.87	254.51
TOTAL PETROLEUM	134.81	157.39	162.81	196.95	326.25	315.33	352.72	372.01	363.85	332.11	431.02
DISTILLATE FUEL	86.25	95.01	96.94	117.05	176.70	185.93	217.65	238.93	240.87	238.98	281.85
KEROSENE	.54	.57	.61	.54	.73	.73	.81	.94	.68	.96	1.17
LPG	1.03	.94	1.06	.96	1.58	2.01	2.60	2.94	2.84	3.82	4.67
MOTOR GASOLINE	1.54	1.59	1.57	1.72	2.44	2.71	2.83	3.04	5.10	6.98	9.74
RESIDUAL FUEL	45.44	59.27	62.64	76.69	144.81	123.95	128.82	126.15	114.36	81.37	133.59
ELECTRICITY	215.21	253.31	284.11	332.64	460.02	561.16	624.88	680.87	705.19	801.23	982.53
INDUSTRIAL SECTOR											
TOTAL ENERGY	282.33	326.48	364.26	413.79	672.03	669.32	721.98	772.05	787.21	803.79	931.54
METALLURGICAL COAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER COAL	2.93	1.68	2.59	1.86	3.48	6.35	3.09	3.76	3.85	4.26	5.95
NATURAL GAS (DRY)	23.90	27.99	36.07	33.68	42.36	55.85	51.30	60.41	78.83	69.76	121.17
TOTAL PETROLEUM	131.79	158.66	167.10	198.66	359.38	325.50	356.26	362.22	348.40	323.29	295.67
ASPHALT	11.97	15.21	14.07	16.31	25.19	23.68	27.93	26.25	28.03	25.73	30.49
DISTILLATE FUEL	12.52	13.47	13.86	17.65	34.66	35.58	39.70	44.27	42.48	56.45	68.88
JET FUEL	.00	.00	.00	.00	.00	.28	.12	.09	.00	.00	.00
KEROSENE	2.50	3.31	2.12	1.37	3.86	3.37	4.88	5.35	5.52	8.65	13.48
LPG	5.22	4.86	6.11	6.44	10.27	14.21	19.85	24.56	22.70	30.45	37.25
LUBRICANTS	18.51	16.12	17.44	18.11	24.71	20.02	22.19	22.46	24.56	32.23	33.53
MOTOR GASOLINE	1.66	1.47	1.56	2.43	2.67	2.02	1.76	3.22	2.41	4.01	4.64
RESIDUAL FUEL	76.92	100.19	107.78	131.24	246.34	211.16	221.98	213.06	196.98	132.63	66.01
ROAD OIL	.00	.95	1.09	1.22	.17	*	.01	.00	.00	.00	.00
OTHER PETROLEUM PRODUCTS	2.49	3.06	3.08	3.89	11.50	15.17	17.82	22.94	25.72	33.14	41.39
ELECTRICITY	123.71	138.16	158.50	179.59	266.81	281.62	311.34	345.66	356.13	406.48	508.74
TRANSPORTATION SECTOR											
TOTAL ENERGY	827.32	878.81	914.34	1,036.30	1,433.57	1,564.88	1,654.43	1,806.22	1,843.54	2,466.46	3,217.95
OTHER COAL	*	*	*	*	*	*	*	*	.00	.00	.00
NATURAL GAS (DRY)	.35	.24	.25	.22	.27	.22	.39	.33	.48	.81	1.12
TOTAL PETROLEUM	826.77	878.22	913.72	1,035.70	1,432.59	1,563.91	1,653.28	1,804.92	1,842.12	2,464.09	3,213.89
AVIATION GASOLINE	2.53	2.47	2.95	3.19	4.63	4.45	4.92	6.74	9.99	9.64	13.55
DISTILLATE FUEL	24.93	29.11	35.15	45.69	67.13	73.29	78.04	82.63	95.49	155.99	208.19
JET FUEL	34.56	39.94	40.50	48.94	76.84	97.38	108.25	136.28	148.65	204.92	327.37
LPG	.08	.08	.09	.09	.15	.15	.18	.19	.20	.27	.33
LUBRICANTS	16.14	16.28	17.61	17.34	23.67	24.53	27.19	27.58	30.17	39.58	41.18
MOTOR GASOLINE	740.57	778.33	806.35	908.17	1,244.93	1,352.58	1,419.39	1,536.23	1,547.81	2,026.38	2,604.71
RESIDUAL FUEL	7.95	12.01	11.08	12.28	15.24	11.53	15.32	15.26	9.81	27.30	18.56
ELECTRICITY	.19	.34	.37	.38	.70	.76	.76	.96	.94	1.56	2.94
ELECTRIC UTILITIES											
TOTAL ENERGY	111.23	183.53	209.88	226.25	506.97	533.78	549.87	642.47	602.52	860.75	1,154.75
OTHER COAL	4.16	2.23	.81	.30	25.95	32.82	.00	.00	.00	3.26	35.21
NATURAL GAS (DRY)	1.95	4.31	3.61	3.26	10.81	1.95	3.90	5.89	3.01	12.06	17.85
TOTAL PETROLEUM	102.56	173.99	202.19	210.85	463.14	491.56	538.20	630.81	584.75	828.17	1,088.69
DISTILLATE FUEL	3.43	6.13	7.20	6.15	10.07	4.61	2.29	4.35	6.90	8.93	14.38
JET FUEL	.00	.00	1.07	.84	.89	.57	.40	.27	.29	.61	.37
PETROLEUM COKE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RESIDUAL FUEL	99.13	167.86	193.91	203.87	452.18	486.39	535.52	626.18	577.56	818.63	1,073.94
NUCLEAR POWER	2.56	3.00	3.27	11.83	7.07	7.45	7.77	5.77	14.76	17.26	12.99
WOOD AND WASTE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

* LESS THAN .005.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE TO THE INDUSTRIAL SECTOR BY STATE.

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE EXPENDITURES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL SINCE THERE ARE NO ASSOCIATED FUEL COSTS FOR THESE ENERGY SOURCES.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MEXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: COAL INCLUDES ANTHRACITE, BITUMINOUS, AND LIGNITE EXCEPT IN THE TRANSPORTATION SECTOR WHICH DOES NOT CONSUME ANTHRACITE.

NOTE: RESIDENTIAL, COMMERCIAL, INDUSTRIAL, AND TRANSPORTATION EXPENDITURES EXCLUDE ENERGY EXPENDITURES FOR WOOD AND WOOD WASTE.

NOTE: EXPENDITURES ON NET IMPORTS OF COAL COKE ARE NOT DISTRIBUTED BY STATE; THEREFORE, THE SUM OF THE TOTAL EXPENDITURES BY STATE WILL NOT EQUAL THE TOTAL U.S. EXPENDITURE.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, THE ENERGY, PRICE, AND EXPENDITURES DATA SYSTEM (EPEDS)

Table 69. Average Annual Fuel Prices by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Massachusetts (Dollars per Million Btu)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
ALL FUELS	2.1981	2.3835	2.5001	2.8223	3.9199	4.2359	4.4950	4.9239	5.2324	6.7474	8.6865
OTHER COAL	.4812	.8615	.5731	1.0539	.7853	1.0716	1.0564	1.7860	2.1950	1.4194	1.5209
NATURAL GAS	1.8963	2.0939	2.2629	2.3749	2.6858	3.1393	3.6203	3.9224	4.1293	4.5129	5.3357
TOTAL PETROLEUM	1.4495	1.5259	1.5371	1.8076	2.6836	2.8883	3.0786	3.4654	3.7032	5.1041	7.2407
DISTILLATE FUEL	1.4187	1.4988	1.5061	1.7633	2.6469	2.8488	3.0384	3.4223	3.6592	4.9995	7.1704
KEROSENE	1.6248	1.6639	1.6912	1.9440	3.0149	3.1614	3.3514	3.7550	4.0146	5.3412	8.1643
LPG	3.0049	2.9899	3.0722	4.4738	4.6399	4.9203	5.2162	5.4740	5.8100	8.3420	8.9900
ELECTRICITY	8.5847	9.1611	9.5179	10.0243	13.9393	15.2800	15.6916	16.5151	16.6801	18.1357	22.0689
COMMERCIAL SECTOR											
ALL FUELS	1.6920	1.9885	2.1021	2.4196	3.8888	4.5841	4.8110	5.4381	5.6031	7.7009	9.4545
OTHER COAL	.7060	.5758	.8177	.9745	1.5789	2.4215	1.6931	1.9530	2.0662	1.9689	2.1163
NATURAL GAS	1.4005	1.5773	1.6925	1.7914	2.1259	2.6361	3.0584	3.4080	3.5055	3.8044	4.6490
TOTAL PETROLEUM	.7776	.9325	.9423	1.1422	2.1814	2.3266	2.3919	2.7430	2.8024	4.2278	5.6668
DISTILLATE FUEL	1.1027	1.1672	1.1694	1.4245	2.2957	2.4778	2.6579	3.0195	3.1892	4.5509	6.4731
KEROSENE	.8035	.8529	.8508	1.0986	2.4194	2.6176	2.6768	2.9739	3.1432	4.7097	6.8915
LPG	1.6572	1.5048	1.5238	1.5082	2.5363	3.0487	3.7341	3.8556	3.8898	4.6177	6.1119
MOTOR GASOLINE	2.8588	2.9264	2.8731	3.1239	4.3841	4.7297	4.8141	5.1550	5.1458	6.9842	9.6920
RESIDUAL FUEL	.4871	.6929	.7125	.8657	2.0364	2.1014	2.0132	2.3012	2.1837	3.3889	4.3684
ELECTRICITY	8.0225	8.5894	8.8078	9.3190	13.1831	14.3472	15.0546	16.0715	16.1988	18.0209	21.8715
INDUSTRIAL SECTOR											
ALL FUELS	1.0724	1.2899	1.3844	1.5695	2.9793	3.3886	3.4792	3.9326	4.0602	5.7440	8.1172
METALLURGICAL COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
OTHER COAL	.7060	.5758	.8177	.9745	1.5789	2.4215	1.6931	1.9530	2.0662	1.9689	2.1163
NATURAL GAS	1.0277	1.0573	1.2194	1.2839	1.6947	2.2829	2.4846	2.5780	2.9808	3.2047	4.0884
TOTAL PETROLEUM	.6259	.8010	.8220	.9608	2.0937	2.2383	2.2479	2.5183	2.5342	3.7076	5.5414
ASPHALT	.6344	.8573	.8920	.8252	1.4362	1.9485	2.0546	2.0604	2.2925	2.6777	3.7323
DISTILLATE FUEL	.7423	.7880	.7860	1.0150	2.2352	2.3588	2.4790	2.7605	2.9099	4.0428	6.3004
JET FUEL	.0000	.0000	.0000	.0000	.0000	2.1852	2.3879	2.7469	.0000	.0000	.0000
KEROSENE	.8035	.8529	.8508	1.0986	2.4194	2.6176	2.6768	2.9739	3.1432	4.7097	6.8915
LPG	1.6572	1.5048	1.5238	1.5082	2.5363	3.0487	3.7341	3.8556	3.8898	4.6177	6.1119
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.8588	2.9264	2.8731	3.1239	4.3841	4.7297	4.8141	5.1550	5.1458	6.9842	9.6920
RESIDUAL FUEL	.4763	.6776	.6967	.8466	1.9914	2.0550	1.9914	2.2332	2.1632	3.0442	3.9352
ROAD OIL	.0000	.9494	.9494	1.0759	1.6905	2.0253	2.2575	.0000	.0000	.0000	.0000
OTHER PETROLEUM PRODUCTS	.7282	.7576	.7551	.9355	2.0341	2.2361	2.3887	2.6898	2.8327	3.9074	6.2121
ELECTRICITY	4.8881	5.3881	5.8517	6.2535	9.9872	11.2609	11.7209	12.7408	12.6748	14.1102	17.5706
TRANSPORTATION SECTOR											
ALL FUELS	2.3867	2.4417	2.4219	2.6663	3.8915	4.2658	4.3634	4.7124	4.7870	6.4267	9.0443
OTHER COAL	.7060	.5758	.8177	.9745	1.5789	2.4215	1.6931	1.9530	.0000	.0000	.0000
NATURAL GAS	.3126	.3515	.3639	.3786	.3955	.4192	.6141	.6709	.9299	1.2269	1.6244
TOTAL PETROLEUM	2.3931	2.4450	2.4249	2.6692	3.8967	4.2698	4.3682	4.7158	4.7903	6.4330	9.0539
AVIATION GASOLINE	3.4553	3.5236	3.4986	3.7615	5.2408	5.6360	5.8299	6.4522	7.0471	9.2353	13.3954
DISTILLATE FUEL	1.3392	1.4746	1.4847	1.7826	2.7003	2.8753	3.0714	3.5808	3.7565	5.2935	7.3284
JET FUEL	.7822	.8222	.8193	.9719	1.6756	2.1852	2.3879	2.7469	3.0925	4.1449	6.7825
LPG	1.6572	1.5048	1.5238	1.5082	2.5363	3.0487	3.7341	3.8556	3.8898	4.6177	6.1119
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.8588	2.9264	2.8731	3.1239	4.3841	4.7297	4.8141	5.1550	5.1458	6.9842	9.6920
RESIDUAL FUEL	.3944	.5611	.5769	.7010	1.6489	1.7001	1.6847	1.8746	1.6945	2.8054	3.2725
ELECTRICITY	5.6611	8.1819	8.6593	7.3623	13.0197	14.7688	18.1060	18.6596	21.0043	18.5849	21.7468
ELECTRIC UTILITIES											
ALL FUELS	.3641	.5999	.6444	.6472	1.7025	1.6826	1.6184	1.8884	1.6292	2.3355	3.3955
OTHER COAL	.3110	.3360	.4540	.9830	1.2549	1.6940	.0000	.0000	.0000	2.4350	1.9460
NATURAL GAS	.3339	.4308	.4467	.5338	1.4482	1.3232	1.5336	1.8766	1.8719	1.6939	3.3970
TOTAL PETROLEUM	.3756	.6356	.6747	.7338	1.9506	1.9296	1.8136	2.1203	1.9030	2.8033	3.8559
DISTILLATE FUEL	.4968	.8474	.8973	1.1132	2.0659	2.1461	2.4219	2.7178	2.8264	4.5778	5.9924
JET FUEL	.0000	.0000	1.6341	1.7659	2.3115	2.3756	2.5941	2.8432	3.1450	4.9187	6.5380
PETROLEUM COKE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
RESIDUAL FUEL	.3725	.6299	.6664	.7246	1.9476	1.9273	1.8113	2.1168	1.8952	2.7906	3.8370
NUCLEAR POWER	.1927	.1927	.2020	.2119	.2195	.1789	.1919	.1458	.2422	.2669	.3778
WOOD AND WASTE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE PRICES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: THE FOLLOWING FUEL SECTOR PRICES HAVE BEEN SUBSTITUTED (SEE THE DOCUMENTATION FOR THE DETAILS), COAL COMMERCIAL = COAL INDUSTRIAL, KEROSENE COMMERCIAL = KEROSENE INDUSTRIAL, LPG COMMERCIAL = LPG INDUSTRIAL, MOTOR GASOLINE COMMERCIAL = MOTOR GASOLINE TRANSPORTATION; JET FUEL INDUSTRIAL = JET FUEL TRANSPORTATION, MOTOR GASOLINE INDUSTRIAL = MOTOR GASOLINE TRANSPORTATION, OTHER PETROLEUM PRODUCTS INDUSTRIAL = DISTILLATE INDUSTRIAL UNITED STATES; COAL TRANSPORTATION = COAL INDUSTRIAL, LPG TRANSPORTATION = LPG INDUSTRIAL, LUBRICANTS TRANSPORTATION = LUBRICANTS INDUSTRIAL.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 70. Fuel Expenditures and Electricity Sales by Fuel Type, 1970-1980: Michigan (Million Dollars)

ENERGY EXPENDITURES ALL SECTORS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
COAL											
METALLURGICAL COAL	54	94	111	113	176	311	252	208	168	229	196
OTHER COAL	114	127	133	108	133	166	153	134	151	171	210
(INCLUDING ELECTRICITY GENERATION)	288	335	355	363	801	741	685	702	795	968	967
TOTAL COAL	169	222	244	221	309	478	405	342	319	400	406
(INCLUDING ELECTRICITY GENERATION)	342	429	466	476	977	1,053	937	910	964	1,197	1,163
NATURAL GAS											
TOTAL NATURAL GAS	608	662	720	813	1,000	1,199	1,460	1,456	1,628	2,108	2,634
(INCLUDING ELECTRICITY GENERATION)	635	695	749	852	1,071	1,272	1,546	1,514	1,697	2,186	2,710
PETROLEUM PRODUCTS											
ASPHALT AND ROAD OIL	22	23	30	34	59	55	49	58	64	73	94
AVIATION GASOLINE	11	7	9	11	8	11	12	15	17	20	34
DISTILLATE FUEL OIL	233	262	298	332	552	577	648	774	838	843	1,073
(INCLUDING ELECTRICITY GENERATION)	237	271	316	347	593	601	677	814	879	876	1,110
JET FUEL	32	33	30	37	59	69	79	98	114	162	269
(INCLUDING ELECTRICITY GENERATION)	32	33	32	38	60	70	79	99	115	162	269
KEROSENE	16	16	14	12	22	20	23	25	26	45	48
LIQUEFIED PETROLEUM GASES	48	46	58	94	97	103	124	142	131	219	236
LUBRICANTS	115	100	109	134	183	156	173	195	213	280	291
MOTOR GASOLINE	1,378	1,442	1,513	1,830	2,558	2,686	2,866	3,098	3,297	4,147	5,145
RESIDUAL FUEL	16	16	23	27	54	52	84	111	92	59	75
(INCLUDING ELECTRICITY GENERATION)	34	51	52	72	161	231	266	328	390	353	290
ALL OTHER PETROLEUM PRODUCTS	32	35	37	42	87	88	129	164	170	228	279
(INCLUDING ELECTRICITY GENERATION)	32	35	37	42	87	88	129	164	170	228	279
TOTAL PETROLEUM	1,903	1,980	2,121	2,552	3,677	3,818	4,186	4,679	4,963	6,077	7,544
(INCLUDING ELECTRICITY GENERATION)	1,925	2,023	2,169	2,614	3,826	4,021	4,398	4,937	5,302	6,404	7,796
NUCLEAR POWER, ELECTRICITY GENERATION	1	1	8	8	1	22	54	23	56	51	95
WOOD AND WASTE, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	*	0
ELECTRICITY SALES	1,042	1,160	1,294	1,483	1,780	2,144	2,507	2,790	3,112	3,354	3,681
TOTAL (INCLUDING ELECTRICITY SALES, EXCLUDING ELECTRICITY GENERATION)	3,722	4,024	4,380	5,069	6,767	7,638	8,558	9,267	10,021	11,939	14,265
TOTAL (EXCLUDING ELECTRICITY SALES, INCLUDING ELECTRICITY GENERATION)	2,904	3,149	3,392	3,950	5,876	6,368	6,936	7,385	8,018	9,838	11,764

* LESS THAN .5.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: THERE ARE NO PURCHASED FUEL EXPENDITURES FOR ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: DATA FOR 1980 DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.

NOTE: THE "ALL OTHER PETROLEUM PRODUCTS" CATEGORY INCLUDES NATURAL GASOLINE, UNFRACTIONATED STREAM, PLANT CONDENSATE, PETRO CHEMICAL FEEDSTOCKS, SPECIAL NAPHTHAS, PETROLEUM COKE (NOT CONSUMED IN ELECTRIC UTILITIES), STILL GAS, WAX, AND MISCELLANEOUS PRODUCTS. THE "(INCLUDING ELECTRICITY GENERATION)" CATEGORY INCLUDES PETROLEUM COKE FUEL EXPENDITURES FOR ELECTRIC UTILITIES.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE; THEREFORE, THE SUM OF ALL STATES WILL NOT EQUAL TOTAL U.S.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 71. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Michigan (Million Dollars)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
TOTAL ENERGY	937.35	1,024.35	1,111.86	1,215.07	1,497.11	1,731.33	1,959.67	2,125.87	2,321.76	2,623.74	3,103.57
OTHER COAL	3.40	11.63	9.45	9.04	14.49	12.57	12.04	12.09	10.57	5.24	9.46
NATURAL GAS (DRY)	350.57	371.19	394.70	407.78	482.19	547.12	651.58	673.12	765.51	988.99	1,251.89
TOTAL PETROLEUM	175.67	195.63	213.48	249.96	341.59	365.79	403.04	464.49	481.36	490.32	545.26
DISTILLATE FUEL	131.60	153.54	161.02	163.45	258.94	277.19	304.09	357.29	388.87	327.21	379.47
KEROSENE	4.83	5.01	5.09	4.54	6.02	5.34	5.73	5.84	5.59	4.55	3.97
LPG	39.23	37.09	47.37	81.96	76.63	83.26	93.23	101.36	86.89	158.56	161.81
ELECTRICITY	407.71	445.89	494.22	548.29	658.83	805.85	893.01	976.16	1,064.33	1,139.18	1,296.97
COMMERCIAL SECTOR											
TOTAL ENERGY	473.73	523.70	575.22	664.47	802.79	933.85	1,092.41	1,137.73	1,242.27	1,475.25	1,803.96
OTHER COAL	7.60	7.84	6.16	6.01	7.94	9.42	9.18	8.13	7.42	3.68	8.84
NATURAL GAS (DRY)	113.15	129.05	146.14	174.69	217.31	271.91	328.20	281.51	321.77	475.82	614.45
TOTAL PETROLEUM	40.33	44.01	49.03	52.39	84.89	88.54	102.15	117.66	119.54	111.51	187.91
DISTILLATE FUEL	21.21	24.44	25.57	26.51	44.26	47.82	52.05	61.64	66.20	57.99	119.77
KEROSENE	1.70	1.82	1.81	1.52	3.32	3.10	3.26	3.40	3.36	3.03	.58
LPG	4.29	4.69	5.75	6.04	9.13	8.83	11.06	12.47	11.19	15.26	18.81
MOTOR GASOLINE	11.44	11.21	13.35	15.60	22.69	23.68	26.37	26.74	27.62	27.27	43.64
RESIDUAL FUEL	1.70	1.86	2.54	2.72	5.49	5.10	9.42	13.42	11.18	7.97	5.13
ELECTRICITY	312.65	342.81	373.89	431.38	492.65	563.99	652.88	730.43	793.54	884.25	992.76
INDUSTRIAL SECTOR											
TOTAL ENERGY	840.69	943.56	1,055.86	1,205.16	1,671.42	2,053.25	2,361.28	2,555.18	2,767.32	3,084.73	3,427.96
METALLURGICAL COAL	54.29	94.41	111.19	113.13	176.16	311.47	251.99	208.10	168.37	228.69	195.65
OTHER COAL	103.04	107.75	117.11	92.65	110.61	144.07	131.65	113.77	132.60	162.43	192.08
NATURAL GAS (DRY)	141.10	157.19	174.70	226.14	295.23	373.71	471.99	490.04	534.84	622.82	730.16
TOTAL PETROLEUM	220.46	212.82	226.59	269.75	460.92	449.67	544.80	660.04	677.87	740.45	919.26
ASPHALT	20.40	22.57	28.72	33.29	57.33	53.92	48.74	57.58	63.66	73.18	93.23
DISTILLATE FUEL	33.85	38.26	40.22	45.41	102.06	113.10	129.38	152.98	160.26	122.26	171.15
JET FUEL	.00	.00	.00	.00	.00	.51	.22	.17	.00	.00	.00
KEROSENE	9.18	8.69	7.09	6.17	12.50	11.42	14.20	15.99	16.89	37.13	43.63
LPG	4.07	4.35	5.01	5.95	11.07	10.91	18.60	27.53	32.16	43.86	54.04
LUBRICANTS	67.06	53.25	57.60	75.38	102.88	81.07	89.87	106.92	116.93	153.43	159.62
MOTOR GASOLINE	39.25	36.15	29.82	38.30	41.97	46.88	42.58	40.31	38.91	33.42	51.30
RESIDUAL FUEL	13.53	14.24	19.91	22.03	44.64	42.77	71.69	94.15	78.33	48.59	66.08
ROAD OIL	1.15	.45	1.00	1.20	1.64	.68	.29	.45	.66	.19	.73
OTHER PETROLEUM PRODUCTS	31.98	34.86	37.22	42.03	86.83	88.39	129.23	163.96	170.07	228.41	279.47
ELECTRICITY	321.80	371.40	426.26	503.49	628.49	774.33	960.85	1,083.23	1,253.64	1,330.34	1,390.81
TRANSPORTATION SECTOR											
TOTAL ENERGY	1,470.06	1,532.36	1,636.72	1,984.11	2,795.20	2,919.87	3,144.92	3,448.72	3,690.11	4,755.14	5,929.31
OTHER COAL	.28	.23	.20	.12	.11	.06	.02	.02	.00	.00	.00
NATURAL GAS (DRY)	2.89	4.41	4.80	4.20	5.12	5.81	8.49	11.61	6.02	20.10	37.37
TOTAL PETROLEUM	1,466.90	1,527.71	1,631.72	1,979.79	2,789.97	2,914.00	3,136.40	3,437.09	3,684.09	4,735.05	5,891.94
AVIATION GASOLINE	11.47	6.76	8.85	10.52	7.99	10.51	11.64	14.58	16.63	20.41	34.15
DISTILLATE FUEL	46.40	46.15	70.92	96.56	146.28	139.39	162.77	201.64	223.00	335.79	402.40
JET FUEL	31.84	32.65	30.26	36.58	58.60	68.45	78.64	98.02	114.39	161.88	268.69
LPG	.15	.16	.19	.25	.39	.36	.64	.91	.97	1.32	1.63
LUBRICANTS	48.41	47.07	50.91	58.39	79.69	74.93	83.06	87.93	96.16	126.17	131.26
MOTOR GASOLINE	1,327.58	1,394.67	1,469.59	1,775.68	2,492.88	2,615.90	2,796.73	3,030.86	3,230.51	4,086.66	5,049.84
RESIDUAL FUEL	1.05	.26	1.00	1.81	4.14	4.48	2.93	3.15	2.44	2.82	3.96
ELECTRICITY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRIC UTILITIES											
TOTAL ENERGY	224.29	285.18	307.16	364.33	889.27	873.93	883.99	907.03	1,107.93	1,253.35	1,179.52
OTHER COAL	173.37	207.36	221.86	255.53	668.00	575.27	532.44	568.24	644.79	796.94	757.05
NATURAL GAS (DRY)	27.70	33.61	28.96	38.69	71.13	73.20	85.41	57.63	68.72	78.57	75.83
TOTAL PETROLEUM	21.75	42.96	48.25	62.19	148.97	203.22	211.69	258.14	338.72	326.85	252.09
DISTILLATE FUEL	3.96	8.18	18.16	14.89	41.07	23.17	28.75	40.39	40.47	32.72	37.06
JET FUEL	.00	.00	1.91	1.48	1.59	.98	.52	.31	.32	.45	.00
PETROLEUM COKE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RESIDUAL FUEL	17.79	34.78	28.18	45.82	106.32	179.06	182.41	217.44	297.93	293.67	215.03
NUCLEAR POWER	1.47	1.25	8.08	7.93	1.17	22.25	54.45	23.02	55.69	50.97	94.55
WOOD AND WASTE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00

NOTE: EXCLUDES NET IMPORTS OF COAL COKE TO THE INDUSTRIAL SECTOR BY STATE.
NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE EXPENDITURES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL SINCE THERE ARE NO ASSOCIATED FUEL COSTS FOR THESE ENERGY SOURCES.
NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MEXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.
NOTE: COAL INCLUDES ANTHRACITE, BITUMINOUS, AND LIGNITE EXCEPT IN THE TRANSPORTATION SECTOR WHICH DOES NOT CONSUME ANTHRACITE.
NOTE: RESIDENTIAL, COMMERCIAL, INDUSTRIAL, AND TRANSPORTATION EXPENDITURES EXCLUDE ENERGY EXPENDITURES FOR WOOD AND WOOD WASTE.
NOTE: EXPENDITURES ON NET IMPORTS OF COAL COKE ARE NOT DISTRIBUTED BY STATE; THEREFORE, THE SUM OF THE TOTAL EXPENDITURES BY STATE WILL NOT EQUAL THE TOTAL U.S. EXPENDITURE.
SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, THE ENERGY, PRICE, AND EXPENDITURES DATA SYSTEM (EPEDS)

Table 72. Average Annual Fuel Prices by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Michigan (Dollars per Million Btu)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
ALL FUELS	1.7124	1.8057	1.8917	2.1384	2.6649	3.1571	3.5260	4.1404	4.2712	4.8464	5.6502
OTHER COAL	.3881	1.3019	1.5000	1.3933	2.7471	3.0647	2.8566	3.3500	3.3480	3.2666	3.2110
NATURAL GAS	1.0000	1.0473	1.0818	1.1703	1.3605	1.6018	1.8839	2.2078	2.2953	2.6301	3.1568
TOTAL PETROLEUM	1.3543	1.3783	1.4193	1.7334	2.5709	2.7823	3.0317	3.5491	3.6373	5.5381	7.3870
DISTILLATE FUEL	1.2001	1.2775	1.2864	1.3622	2.3452	2.5116	2.7721	3.2705	3.4798	4.9532	7.1174
KEROSENE	1.5631	1.5436	1.5702	1.8997	2.9997	3.1160	3.2294	3.7775	3.9564	5.6482	8.4441
LPG	2.3136	2.0039	2.1535	3.7570	3.7476	4.2939	4.3415	5.0471	4.5317	7.3171	8.0800
ELECTRICITY	6.9867	7.1929	7.4677	7.9372	9.5174	11.3080	12.2745	13.1786	14.2710	15.1472	17.0763
COMMERCIAL SECTOR											
ALL FUELS	2.0640	2.1134	2.1908	2.3431	2.7889	3.3984	3.9485	4.9497	5.1705	5.5023	6.3400
OTHER COAL	.4936	.4998	.5515	.5468	.9158	1.3483	1.2400	1.2940	1.4495	1.5104	1.6781
NATURAL GAS	.8270	.8560	.8895	.9500	1.1217	1.4651	1.8072	2.1046	2.2157	2.5637	3.1537
TOTAL PETROLEUM	1.2122	1.2668	1.2920	1.4565	2.5261	2.7143	2.8457	3.2627	3.3778	4.7594	6.8415
DISTILLATE FUEL	1.0464	1.1002	1.1054	1.1952	2.1688	2.3446	2.5672	3.0527	3.2052	4.7494	6.6132
KEROSENE	.7439	.7580	.7574	.8626	2.2386	2.4485	2.4879	2.9776	3.2147	5.0839	6.7799
LPG	1.4328	1.4354	1.4811	1.5693	2.5299	2.5818	2.9180	3.5172	3.3071	3.9911	5.3219
MOTOR GASOLINE	2.7096	2.7576	2.7375	3.1634	4.5478	4.7241	4.8062	5.1366	5.3405	7.2927	10.0943
RESIDUAL FUEL	.4839	.6636	.6945	.8383	1.7615	2.0234	1.8701	2.2438	2.1757	2.6026	3.6246
ELECTRICITY	7.1005	7.3509	7.6060	8.1790	9.5014	11.3711	12.6141	13.5883	14.5526	15.6078	17.4274
INDUSTRIAL SECTOR											
ALL FUELS	.9434	1.0306	1.1165	1.2677	1.9952	2.4971	2.7598	3.2015	3.5136	3.9468	4.8516
METALLURGICAL COAL	.3931	.6811	.7454	.8192	1.7035	2.1319	2.0561	2.0677	2.1623	2.2700	2.3361
OTHER COAL	.4936	.4998	.5515	.5468	.9158	1.3483	1.2400	1.2940	1.4495	1.5104	1.6781
NATURAL GAS	.5228	.5538	.6197	.6842	.8987	1.2195	1.5182	1.8007	1.8906	2.2349	2.8653
TOTAL PETROLEUM	1.1694	1.1541	1.1308	1.3469	2.5363	2.7356	2.6873	3.0050	3.1695	4.2431	6.1726
ASPHALT	.8216	.9174	.9570	.9578	1.8025	2.1187	2.1191	2.1110	2.2155	2.6559	4.0339
DISTILLATE FUEL	.6840	.6970	.6964	.7931	2.0584	2.2747	2.3073	2.7331	2.9408	3.7580	6.1442
JET FUEL	.0000	.0000	.0000	.0000	.0000	2.1615	2.4412	2.7631	.0000	.0000	.0000
KEROSENE	.7439	.7580	.7574	.8626	2.2386	2.4485	2.4879	2.9776	3.2147	5.0839	6.7799
LPG	1.4328	1.4354	1.4811	1.5693	2.5299	2.5818	2.9180	3.5172	3.3071	3.9911	5.3219
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.7096	2.7576	2.7375	3.1634	4.5478	4.7241	4.8062	5.1366	5.3405	7.2927	10.0943
RESIDUAL FUEL	.4733	.6490	.6792	.8198	1.7226	1.9787	1.8498	2.1775	2.1552	2.3379	3.2651
ROAD OIL	1.2448	1.1550	1.3118	1.3924	3.1646	2.0253	2.1519	2.1519	2.1984	2.5818	4.5002
OTHER PETROLEUM PRODUCTS	.7282	.7576	.7551	.9355	2.0341	2.2361	2.3887	2.6898	2.8327	3.9074	6.2121
ELECTRICITY	3.7473	3.9891	4.1845	4.4834	6.0849	7.8621	8.4822	9.1986	10.3182	11.0758	13.2967
TRANSPORTATION SECTOR											
ALL FUELS	2.4772	2.5186	2.4822	2.8908	4.2078	4.4275	4.5190	4.8517	5.0970	6.8712	9.5150
OTHER COAL	.4936	.4998	.5515	.5468	.9158	1.3483	1.2400	1.2940	.0000	.0000	.0000
NATURAL GAS	.2699	.2768	.2897	.3426	.4568	.5573	.7063	.9812	1.6569	1.5896	2.9517
TOTAL PETROLEUM	2.5196	2.5806	2.5398	2.9379	4.2728	4.4899	4.5861	4.9172	5.1144	6.9695	9.6511
AVIATION GASOLINE	3.4553	3.5236	3.4986	3.7615	5.2408	5.6360	5.8299	6.4522	7.0471	10.2337	14.2274
DISTILLATE FUEL	1.2547	1.2934	1.2810	1.6322	2.6338	2.7407	2.8662	3.3459	3.5239	5.1273	7.1248
JET FUEL	.7741	.8133	.8104	.9615	1.6570	2.1615	2.4412	2.7631	2.9761	4.0641	6.6141
LPG	1.4328	1.4354	1.4811	1.5693	2.5299	2.5818	2.9180	3.5172	3.3071	3.9911	5.3219
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.7096	2.7576	2.7375	3.1634	4.5478	4.7241	4.8062	5.1366	5.3405	7.2927	10.0943
RESIDUAL FUEL	.3919	.5373	.5624	.6788	1.4264	1.6369	1.5649	1.8278	1.6883	2.1545	2.7153
ELECTRICITY	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
ELECTRIC UTILITIES											
ALL FUELS	.3792	.4528	.4801	.5476	1.3752	1.1893	1.1893	1.2302	1.3753	1.4784	1.4989
OTHER COAL	.3560	.4180	.4460	.5171	1.3678	1.1626	1.1034	1.1470	1.2986	1.4585	1.4229
NATURAL GAS	.4180	.4670	.4788	.6056	1.0089	1.2580	1.5603	1.7420	1.8267	2.0070	2.7812
TOTAL PETROLEUM	.6389	.7459	.8198	.8315	1.7924	1.9775	2.1903	2.6170	2.6450	3.2316	4.3083
DISTILLATE FUEL	.7109	.8309	.8729	.9824	1.9720	2.0338	2.3494	2.6445	2.7883	4.0795	6.0651
JET FUEL	.0000	.0000	1.5911	1.7141	2.2594	2.2790	2.4876	2.9077	2.9577	5.3341	.0000
PETROLEUM COKE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
RESIDUAL FUEL	.6248	.7284	.7647	.7797	1.7263	1.9690	2.1664	2.6116	2.6264	3.1566	4.1034
NUCLEAR POWER	.3583	.2982	.3522	.2440	.2527	.2815	.4979	.2089	.3884	.3164	.5592
WOOD AND WASTE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	1.5000	.0000

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE PRICES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: THE FOLLOWING FUEL SECTOR PRICES HAVE BEEN SUBSTITUTED (SEE THE DOCUMENTATION FOR THE DETAILS), COAL COMMERCIAL = COAL INDUSTRIAL, KEROSENE COMMERCIAL = KEROSENE INDUSTRIAL, LPG COMMERCIAL = LPG INDUSTRIAL, MOTOR GASOLINE COMMERCIAL = MOTOR GASOLINE TRANSPORTATION; JET FUEL INDUSTRIAL = JET FUEL TRANSPORTATION, MOTOR GASOLINE INDUSTRIAL = MOTOR GASOLINE TRANSPORTATION, OTHER PETROLEUM PRODUCTS INDUSTRIAL = DISTILLATE INDUSTRIAL UNITED STATES; COAL TRANSPORTATION = COAL INDUSTRIAL, LPG TRANSPORTATION = LPG INDUSTRIAL, LUBRICANTS TRANSPORTATION = LUBRICANTS INDUSTRIAL.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 73. Fuel Expenditures and Electricity Sales by Fuel Type, 1970-1980: Minnesota (Million Dollars)

ENERGY EXPENDITURES ALL SECTORS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
COAL											
METALLURGICAL COAL	9	11	12	25	29	49	33	26	34	3	*
OTHER COAL	18	22	15	14	26	28	32	36	52	48	37
(INCLUDING ELECTRICITY GENERATION)	61	66	64	61	92	105	143	192	214	239	260
TOTAL COAL	28	33	27	39	55	77	65	62	86	51	37
(INCLUDING ELECTRICITY GENERATION)	71	76	76	87	121	154	176	217	248	241	260
NATURAL GAS											
TOTAL NATURAL GAS	213	241	257	272	324	377	439	476	585	727	804
(INCLUDING ELECTRICITY GENERATION)	228	254	279	297	343	392	451	482	588	739	820
PETROLEUM PRODUCTS											
ASPHALT AND ROAD OIL	20	25	29	36	76	67	67	67	75	91	78
AVIATION GASOLINE	3	3	3	4	5	5	6	6	7	10	12
DISTILLATE FUEL OIL	136	148	155	201	320	337	422	457	508	703	839
(INCLUDING ELECTRICITY GENERATION)	139	151	163	215	331	349	428	471	519	716	860
JET FUEL	16	19	22	29	54	71	74	86	89	138	200
(INCLUDING ELECTRICITY GENERATION)	16	19	22	29	54	71	74	86	89	138	200
KEROSENE	13	11	8	8	16	14	18	18	14	6	9
LIQUEFIED PETROLEUM GASES	61	63	72	111	111	126	135	131	118	153	183
LUBRICANTS	34	40	43	38	52	57	63	67	73	96	99
MOTOR GASOLINE	689	715	744	807	1,089	1,173	1,249	1,352	1,408	1,858	2,319
RESIDUAL FUEL	12	13	25	29	54	38	51	41	44	30	51
(INCLUDING ELECTRICITY GENERATION)	16	16	29	35	61	47	63	56	59	45	59
ALL OTHER PETROLEUM PRODUCTS	10	10	9	13	36	44	38	44	38	75	131
(INCLUDING ELECTRICITY GENERATION)	11	10	9	13	37	44	38	44	38	75	131
TOTAL PETROLEUM	993	1,046	1,108	1,276	1,813	1,933	2,123	2,268	2,374	3,160	3,923
(INCLUDING ELECTRICITY GENERATION)	1,001	1,053	1,121	1,296	1,832	1,954	2,140	2,297	2,399	3,188	3,951
NUCLEAR POWER, ELECTRICITY GENERATION	0	2	6	6	11	26	25	32	38	45	50
WOOD AND WASTE, ELECTRICITY GENERATION	*	*	*	*	*	*	*	*	*	*	*
ELECTRICITY SALES	429	463	520	552	629	774	878	988	1,154	1,258	1,377
TOTAL (INCLUDING ELECTRICITY SALES, EXCLUDING ELECTRICITY GENERATION)	1,662	1,783	1,912	2,139	2,822	3,161	3,505	3,793	4,198	5,196	6,141
TOTAL (EXCLUDING ELECTRICITY SALES, INCLUDING ELECTRICITY GENERATION)	1,300	1,386	1,482	1,686	2,307	2,525	2,792	3,028	3,273	4,213	5,081

* LESS THAN .5.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: THERE ARE NO PURCHASED FUEL EXPENDITURES FOR ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: DATA FOR 1980 DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.

NOTE: THE "ALL OTHER PETROLEUM PRODUCTS" CATEGORY INCLUDES NATURAL GASOLINE, UNFRACTIONATED STREAM, PLANT CONDENSATE, PETRO CHEMICAL FEEDSTOCKS, SPECIAL NAPHTHAS, PETROLEUM COKE (NOT CONSUMED IN ELECTRIC UTILITIES), STILL GAS, WAX, AND MISCELLANEOUS PRODUCTS. THE "(INCLUDING ELECTRICITY GENERATION)" CATEGORY INCLUDES PETROLEUM COKE FUEL EXPENDITURES FOR ELECTRIC UTILITIES.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE; THEREFORE, THE SUM OF ALL STATES WILL NOT EQUAL TOTAL U.S.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 74. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Minnesota (Million Dollars)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
TOTAL ENERGY	451.78	484.45	530.61	586.39	678.18	741.33	827.18	896.02	1,000.30	1,140.65	1,253.13
OTHER COAL	2.11	5.11	2.76	2.90	9.71	5.94	4.29	3.16	7.21	9.07	4.53
NATURAL GAS (DRY)	114.31	124.05	135.15	136.70	162.88	182.92	187.70	218.96	262.01	328.81	342.80
TOTAL PETROLEUM	110.56	116.25	126.20	174.93	200.45	208.74	259.57	264.51	254.47	307.41	369.13
DISTILLATE FUEL	51.42	58.08	61.80	72.71	105.86	104.77	141.74	154.30	167.75	194.71	239.06
KEROSENE	10.29	8.46	6.12	6.46	11.28	9.22	11.80	11.99	8.78	2.98	5.19
LPG	48.85	49.71	58.28	95.77	83.31	94.76	106.02	98.23	77.94	109.72	124.87
ELECTRICITY	224.80	239.04	266.50	271.86	305.14	343.72	375.63	409.40	476.61	495.36	536.68
COMMERCIAL SECTOR											
TOTAL ENERGY	163.02	178.37	197.79	210.62	262.80	325.74	363.87	389.09	447.88	476.12	534.08
OTHER COAL	3.50	4.59	1.86	1.58	2.85	2.52	2.13	1.82	3.65	4.35	2.73
NATURAL GAS (DRY)	54.56	59.47	68.41	69.60	90.53	106.16	110.90	118.82	167.27	160.10	188.60
TOTAL PETROLEUM	21.99	23.95	26.46	29.75	48.33	47.23	58.67	62.66	64.01	75.73	87.61
DISTILLATE FUEL	10.59	11.78	12.50	15.10	23.49	23.54	31.76	34.67	37.04	45.19	54.20
KEROSENE	1.30	1.05	.74	.90	1.97	1.77	2.15	2.09	1.56	.57	.00
LPG	5.30	6.07	6.73	6.33	10.98	10.71	12.05	12.42	10.74	11.65	15.68
MOTOR GASOLINE	3.68	3.82	3.99	4.69	6.78	8.64	8.67	9.83	11.10	16.19	17.06
RESIDUAL FUEL	1.12	1.23	2.51	2.74	5.12	2.57	4.04	3.66	3.58	2.13	.68
ELECTRICITY	82.96	90.36	101.06	109.69	121.09	169.83	192.16	205.78	212.95	235.93	255.13
INDUSTRIAL SECTOR											
TOTAL ENERGY	338.28	371.37	404.83	465.62	668.04	777.67	910.80	968.96	1,123.78	1,296.58	1,472.90
METALLURGICAL COAL	9.20	10.61	11.79	25.09	29.13	48.65	33.11	25.64	33.85	2.54	.44
OTHER COAL	12.69	12.67	10.65	9.35	13.76	19.92	25.18	31.14	40.88	34.62	29.31
NATURAL GAS (DRY)	41.80	55.91	51.71	63.86	69.55	85.65	138.39	133.37	151.29	213.05	260.44
TOTAL PETROLEUM	153.21	159.00	178.53	197.07	352.90	363.37	403.58	406.44	433.36	519.26	597.43
ASPHALT	18.83	24.62	28.08	35.53	73.72	64.77	66.36	64.74	72.09	91.01	77.55
DISTILLATE FUEL	37.49	39.99	41.48	54.22	95.24	108.37	133.70	141.83	155.22	178.76	212.11
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KEROSENE	1.16	1.07	.66	.65	2.30	2.59	3.58	3.67	3.56	2.70	3.73
LPG	6.30	6.68	7.22	8.40	16.51	20.53	16.96	20.07	28.35	30.74	41.38
LUBRICANTS	10.84	13.00	14.06	11.11	15.16	14.27	15.82	19.26	21.06	27.64	28.75
MOTOR GASOLINE	56.33	51.47	55.78	48.60	66.84	76.12	85.39	75.38	76.94	91.07	67.06
RESIDUAL FUEL	10.84	11.82	21.88	24.83	44.93	30.07	42.93	35.46	34.92	21.72	34.89
ROAD OIL	1.17	.66	.79	.92	2.20	2.45	.51	2.48	3.23	.15	.84
OTHER PETROLEUM PRODUCTS	10.25	9.68	8.59	12.81	36.00	44.20	38.33	43.55	38.00	75.47	131.12
ELECTRICITY	121.38	133.18	152.14	170.25	202.71	260.08	310.54	372.36	464.40	527.11	585.28
TRANSPORTATION SECTOR											
TOTAL ENERGY	709.34	748.43	779.16	875.93	1,212.47	1,315.95	1,403.14	1,539.41	1,626.53	2,282.73	2,880.64
OTHER COAL	.03	.03	.02	.01	.01	.01	*	*	.00	.00	.00
NATURAL GAS (DRY)	1.88	2.03	2.03	1.53	1.22	2.18	2.41	4.61	4.78	24.79	11.82
TOTAL PETROLEUM	707.44	746.37	777.11	874.39	1,211.25	1,313.77	1,400.72	1,534.80	1,621.76	2,257.94	2,868.82
AVIATION GASOLINE	3.09	2.90	3.04	3.60	4.70	5.14	5.78	5.99	7.43	10.45	12.48
DISTILLATE FUEL	36.22	37.66	38.89	59.23	95.31	100.62	114.47	126.62	147.89	284.22	333.67
JET FUEL	16.00	19.19	21.71	29.47	54.32	71.48	73.86	86.08	89.38	137.94	200.39
LPG	.20	.20	.23	.25	.44	.38	.42	.39	.47	.51	.69
LUBRICANTS	22.96	26.58	28.75	26.95	36.78	42.62	47.24	47.38	51.81	67.99	70.73
MOTOR GASOLINE	628.91	659.83	684.11	753.25	1,015.39	1,088.16	1,154.44	1,266.53	1,319.60	1,750.59	2,235.35
RESIDUAL FUEL	.07	.01	.39	1.64	4.30	5.36	4.51	1.82	5.16	6.23	15.50
ELECTRICITY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRIC UTILITIES											
TOTAL ENERGY	66.39	65.82	89.24	98.90	114.42	137.95	164.97	222.01	228.38	275.36	317.72
OTHER COAL	43.05	43.18	48.54	47.64	65.74	76.94	111.33	155.41	162.10	190.76	222.93
NATURAL GAS (DRY)	15.65	12.93	21.49	25.62	18.69	14.75	11.19	5.86	2.22	12.43	16.59
TOTAL PETROLEUM	7.53	7.13	12.81	19.90	18.73	20.68	17.76	28.92	25.89	27.50	28.02
DISTILLATE FUEL	3.30	3.47	8.76	13.96	11.04	11.30	6.51	13.47	10.83	12.73	20.54
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00
PETROLEUM COKE	.35	.25	.27	.56	.58	.20	.00	.00	.00	.00	.00
RESIDUAL FUEL	3.87	3.41	3.78	5.37	7.12	9.17	11.25	15.44	15.03	14.77	7.48
NUCLEAR POWER	.00	2.40	6.23	5.56	11.21	25.54	24.68	31.81	38.14	44.63	50.13
WOOD AND WASTE	.16	.16	.18	.19	.05	.04	.01	.01	.04	.04	.04

* LESS THAN .005.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE TO THE INDUSTRIAL SECTOR BY STATE.

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE EXPENDITURES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL SINCE THERE ARE NO ASSOCIATED FUEL COSTS FOR THESE ENERGY SOURCES.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MEXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: COAL INCLUDES ANTHRACITE, BITUMINOUS, AND LIGNITE EXCEPT IN THE TRANSPORTATION SECTOR WHICH DOES NOT CONSUME ANTHRACITE.

NOTE: RESIDENTIAL, COMMERCIAL, INDUSTRIAL, AND TRANSPORTATION EXPENDITURES EXCLUDE ENERGY EXPENDITURES FOR WOOD AND WOOD WASTE.

NOTE: EXPENDITURES ON NET IMPORTS OF COAL COKE ARE NOT DISTRIBUTED BY STATE; THEREFORE, THE SUM OF THE TOTAL EXPENDITURES BY STATE WILL NOT EQUAL THE TOTAL U.S. EXPENDITURE.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, THE ENERGY, PRICE, AND EXPENDITURES DATA SYSTEM (EPEDS)

Table 75. Average Annual Fuel Prices by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Minnesota (Dollars per Million Btu)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
ALL FUELS	2.1097	2.2097	2.3292	2.6947	3.0425	3.3632	3.7243	4.2435	4.6242	5.2739	6.2848
OTHER COAL	.3747	1.0018	.9806	1.1305	3.2300	2.7107	2.9817	3.0100	3.8800	3.4422	3.4884
NATURAL GAS	1.0895	1.1759	1.2285	1.3053	1.4086	1.5674	1.7417	2.1384	2.4140	2.8754	3.2380
TOTAL PETROLEUM	1.5190	1.5113	1.5570	2.2968	2.8592	3.1268	3.3641	3.6567	3.7802	5.1218	7.0800
DISTILLATE FUEL	1.2273	1.2741	1.2715	1.5592	2.5089	2.5455	2.7969	3.1957	3.4379	4.7421	6.9338
KEROSENE	1.5192	1.5394	1.5689	1.7949	2.7681	2.9121	3.1571	3.6978	3.9300	5.4152	8.0326
LPG	2.0256	1.9237	2.0414	3.6927	3.4950	4.2233	4.6622	4.7200	4.7850	5.9600	7.3400
ELECTRICITY	7.2954	7.5354	7.8540	7.9605	8.9328	9.8869	10.5103	11.5733	12.3452	12.6125	13.3876
COMMERCIAL SECTOR											
ALL FUELS	1.3637	1.4892	1.6125	1.7369	2.0043	2.5087	3.0302	3.5805	3.6351	4.6757	5.3149
OTHER COAL	.3447	.4914	.3635	.3390	.5199	.6362	.8102	.9540	1.0650	.8923	1.1352
NATURAL GAS	.6910	.7546	.8328	.8506	.9778	1.1609	1.4138	1.7189	2.0295	2.5991	2.8877
TOTAL PETROLEUM	1.1184	1.1885	1.1528	1.3691	2.4200	2.6213	2.7515	3.1547	3.3405	4.6035	6.5610
DISTILLATE FUEL	1.0345	1.0572	1.0521	1.3247	2.2774	2.3403	2.5642	2.9375	3.1052	4.5028	6.4791
KEROSENE	.8862	.8807	.8720	1.1502	2.2357	2.5807	2.6553	2.9731	3.2246	4.8036	.0000
LPG	1.2462	1.3317	1.3360	1.3829	2.6093	2.7043	3.0033	3.3812	3.7352	3.5848	5.2212
MOTOR GASOLINE	2.9723	2.9679	2.9671	3.1237	4.3251	4.6274	4.7590	5.0541	5.0615	7.0069	9.5551
RESIDUAL FUEL	.4536	.6246	.6515	.7871	1.7046	1.7778	1.7608	2.0996	2.1243	2.8918	3.3813
ELECTRICITY	7.6982	7.8778	8.1263	8.4003	9.2561	10.3412	10.8648	11.5807	11.7000	12.4824	13.1420
INDUSTRIAL SECTOR											
ALL FUELS	1.0455	1.1161	1.1735	1.2498	1.9460	2.2991	2.4588	2.7557	3.0459	3.4910	5.0840
METALLURGICAL COAL	.5442	.7304	.6985	.8188	1.4877	1.8604	1.8731	1.8619	2.5111	2.2700	1.8661
OTHER COAL	.3447	.4914	.3635	.3390	.5199	.6362	.8102	.9540	1.0650	.8923	1.1352
NATURAL GAS	.4155	.4443	.4840	.5445	.6393	.8352	1.1312	1.1263	1.2400	1.4598	2.5064
TOTAL PETROLEUM	1.0927	1.1694	1.1250	1.2297	2.3219	2.6000	2.5626	2.8163	2.9962	3.9830	5.5950
ASPHALT	.6731	.8560	.8290	.9157	2.0414	2.1877	1.8530	1.8987	2.0724	2.7014	3.3024
DISTILLATE FUEL	.8275	.8223	.8143	1.0739	2.0876	2.3863	2.4704	2.7571	2.9631	4.0075	6.4085
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
KEROSENE	.8862	.8807	.8720	1.1502	2.2357	2.5807	2.6553	2.9731	3.2246	4.8036	6.7087
LPG	1.2462	1.3317	1.3360	1.3829	2.6093	2.7043	3.0033	3.3812	3.7352	3.5848	5.2212
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.9723	2.9679	2.9671	3.1237	4.3251	4.6274	4.7590	5.0541	5.0615	7.0069	9.5551
RESIDUAL FUEL	.4436	.6108	.6371	.7697	1.6669	1.7385	1.7417	2.0375	2.1043	2.5976	3.0459
ROAD OIL	.9018	.9916	.9178	.9494	2.1624	2.2152	2.2152	2.1758	2.2152	2.5818	4.8078
OTHER PETROLEUM PRODUCTS	.7282	.7576	.7551	.9355	2.0341	2.2361	2.3887	2.6898	2.8327	3.9074	6.2121
ELECTRICITY	4.1824	4.3454	4.5769	4.6265	5.5573	6.7579	7.4207	8.7678	9.2064	9.5545	11.0489
TRANSPORTATION SECTOR											
ALL FUELS	2.5912	2.5948	2.5795	2.7248	3.8345	4.1346	4.3028	4.6705	4.6821	6.3634	8.6954
OTHER COAL	.3447	.4914	.3635	.3390	.5199	.6362	.8102	.9540	.0000	.0000	.0000
NATURAL GAS	.2445	.2505	.2644	.2754	.3294	.5525	.6051	1.2396	1.2852	2.2074	1.2646
TOTAL PETROLEUM	2.6597	2.6631	2.6401	2.7682	3.8762	4.1797	4.3486	4.7096	4.7189	6.4977	8.9112
AVIATION GASOLINE	3.4553	3.5236	3.4986	3.7615	5.2408	5.6360	5.8299	6.4522	7.0471	10.1505	14.7266
DISTILLATE FUEL	1.2285	1.2643	1.2362	1.5983	2.5269	2.6460	2.8485	3.2893	3.3046	5.0287	7.0895
JET FUEL	.8052	.8459	.8430	1.0000	1.7237	2.2481	2.4552	2.8820	3.1130	4.3186	6.9102
LPG	1.2462	1.3317	1.3360	1.3829	2.6093	2.7043	3.0033	3.3812	3.7352	3.5848	5.2212
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.9723	2.9679	2.9671	3.1237	4.3251	4.6274	4.7590	5.0541	5.0615	7.0069	9.5551
RESIDUAL FUEL	.3673	.5057	.5275	.6373	1.3803	1.4382	1.4734	1.7103	1.6484	2.3939	2.5330
ELECTRICITY	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
ELECTRIC UTILITIES											
ALL FUELS	.3385	.3643	.3956	.4142	.4725	.4980	.5326	.6133	.6498	.8244	.9298
OTHER COAL	.3430	.3820	.4080	.3771	.4564	.5647	.6284	.6946	.7662	.9772	1.0068
NATURAL GAS	.2575	.2932	.3962	.4350	.4754	.6330	.8137	1.0946	1.3967	1.7252	1.9869
TOTAL PETROLEUM	.7797	.8706	.9292	1.1254	1.8600	2.0572	1.9046	2.2825	2.2551	2.9922	5.3609
DISTILLATE FUEL	.9443	1.0355	1.0355	1.3490	2.1927	2.2643	2.2548	2.6292	2.6370	3.7430	5.8000
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	3.0714	.0000	.0000
PETROLEUM COKE	.4100	.4300	.4500	.4700	.5100	.5600	.0000	.0000	.0000	.0000	.0000
RESIDUAL FUEL	.7311	.8005	.8005	.8759	1.8210	1.9508	1.7475	2.0471	2.0409	2.5511	4.4381
NUCLEAR POWER	.0000	.1592	.1622	.1559	.2303	.2379	.2254	.2646	.3007	.3647	.4699
WOOD AND WASTE	.8000	.8400	.8700	.9200	1.0000	1.1000	1.1500	1.2200	1.3100	1.5000	1.8100

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE PRICES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: THE FOLLOWING FUEL SECTOR PRICES HAVE BEEN SUBSTITUTED (SEE THE DOCUMENTATION FOR THE DETAILS), COAL COMMERCIAL = COAL INDUSTRIAL, KEROSENE COMMERCIAL = KEROSENE INDUSTRIAL, LPG COMMERCIAL = LPG INDUSTRIAL, MOTOR GASOLINE COMMERCIAL = MOTOR GASOLINE TRANSPORTATION; JET FUEL INDUSTRIAL = JET FUEL TRANSPORTATION, MOTOR GASOLINE INDUSTRIAL = MOTOR GASOLINE TRANSPORTATION, OTHER PETROLEUM PRODUCTS INDUSTRIAL = DISTILLATE INDUSTRIAL UNITED STATES; COAL TRANSPORTATION = COAL INDUSTRIAL, LPG TRANSPORTATION = LPG INDUSTRIAL, LUBRICANTS TRANSPORTATION = LUBRICANTS INDUSTRIAL.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 76. Fuel Expenditures and Electricity Sales by Fuel Type, 1970-1980: Mississippi (Million Dollars)

ENERGY EXPENDITURES ALL SECTORS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
COAL											
METALLURGICAL COAL	0	0	0	0	0	0	0	0	0	0	0
OTHER COAL	*	*	*	*	1	*	3	3	3	2	2
(INCLUDING ELECTRICITY GENERATION)	3	4	5	11	23	40	48	50	63	85	115
TOTAL COAL	*	*	*	*	1	*	3	3	3	2	2
(INCLUDING ELECTRICITY GENERATION)	3	4	5	11	23	40	48	50	63	85	115
NATURAL GAS											
TOTAL NATURAL GAS	100	116	124	154	141	152	175	226	256	401	443
(INCLUDING ELECTRICITY GENERATION)	127	148	157	179	164	179	218	280	319	518	650
PETROLEUM PRODUCTS											
ASPHALT AND ROAD OIL	8	11	14	17	27	30	28	29	38	46	48
AVIATION GASOLINE	6	6	6	6	7	6	6	6	6	6	14
DISTILLATE FUEL OIL	47	55	53	74	123	121	176	250	287	303	389
(INCLUDING ELECTRICITY GENERATION)	47	55	64	98	179	154	205	267	309	309	399
JET FUEL	6	6	6	7	12	15	15	19	21	30	49
(INCLUDING ELECTRICITY GENERATION)	6	6	6	7	12	15	15	19	21	30	49
KEROSENE	14	11	12	25	19	16	17	30	41	22	10
LIQUEFIED PETROLEUM GASES	60	58	67	97	109	101	115	136	116	164	213
LUBRICANTS	19	19	21	25	34	39	43	39	43	56	58
MOTOR GASOLINE	363	400	433	457	618	634	696	801	836	1,113	1,424
RESIDUAL FUEL	1	*	4	8	23	31	34	48	53	182	220
(INCLUDING ELECTRICITY GENERATION)	3	5	9	20	75	103	145	232	255	337	299
ALL OTHER PETROLEUM PRODUCTS	27	31	36	47	111	126	105	111	116	167	323
(INCLUDING ELECTRICITY GENERATION)	27	31	36	47	111	126	105	111	116	167	323
TOTAL PETROLEUM	548	598	651	763	1,082	1,119	1,234	1,468	1,557	2,090	2,750
(INCLUDING ELECTRICITY GENERATION)	550	602	667	798	1,191	1,224	1,374	1,669	1,781	2,251	2,838
NUCLEAR POWER, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
WOOD AND WASTE, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
ELECTRICITY SALES	226	264	316	352	444	487	618	724	796	889	1,054
TOTAL (INCLUDING ELECTRICITY SALES, EXCLUDING ELECTRICITY GENERATION)	875	978	1,092	1,269	1,668	1,759	2,031	2,421	2,611	3,382	4,249
TOTAL (EXCLUDING ELECTRICITY SALES, INCLUDING ELECTRICITY GENERATION)	681	754	829	989	1,378	1,442	1,640	1,999	2,163	2,854	3,603

* LESS THAN .5.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: THERE ARE NO PURCHASED FUEL EXPENDITURES FOR ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: DATA FOR 1980 DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.

NOTE: THE "ALL OTHER PETROLEUM PRODUCTS" CATEGORY INCLUDES NATURAL GASOLINE, UNFRACTIONATED STREAM, PLANT CONDENSATE, PETRO CHEMICAL FEEDSTOCKS, SPECIAL NAPHTHAS, PETROLEUM COKE (NOT CONSUMED IN ELECTRIC UTILITIES), STILL GAS, WAX, AND MISCELLANEOUS PRODUCTS. THE "(INCLUDING ELECTRICITY GENERATION)" CATEGORY INCLUDES PETROLEUM COKE FUEL EXPENDITURES FOR ELECTRIC UTILITIES.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE; THEREFORE, THE SUM OF ALL STATES WILL NOT EQUAL TOTAL U.S.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 77. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Mississippi (Million Dollars)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
TOTAL ENERGY	195.81	219.97	263.23	300.98	341.84	333.63	401.10	477.91	514.90	603.30	714.00
OTHER COAL	.00	.00	.00	.00	.00	.00	.00	.00	.08	.07	.04
NATURAL GAS (DRY)	32.58	38.17	42.64	34.09	35.51	41.45	45.33	54.35	72.49	104.06	102.16
TOTAL PETROLEUM	44.68	42.23	47.92	78.35	76.27	69.89	77.94	90.24	79.04	110.74	137.20
DISTILLATE FUEL	.57	.66	.88	1.18	2.14	2.77	3.97	5.58	6.14	3.88	.29
KEROSENE	.88	.73	.88	2.46	2.70	2.74	2.47	3.68	5.31	.45	2.64
LPG	43.23	40.84	46.15	74.71	71.43	64.38	71.51	80.98	67.59	106.40	134.27
ELECTRICITY	118.55	139.57	172.66	188.55	230.06	222.29	277.83	333.32	363.28	388.42	474.60
COMMERCIAL SECTOR											
TOTAL ENERGY	77.05	88.91	104.45	147.37	150.06	161.79	202.97	244.82	271.36	402.44	427.26
OTHER COAL	.00	.00	.00	.00	.00	.00	.00	.00	.10	.07	.05
NATURAL GAS (DRY)	13.95	16.26	16.68	46.94	19.20	22.50	25.98	33.88	42.94	66.47	63.82
TOTAL PETROLEUM	6.82	7.22	8.84	10.88	21.69	23.60	28.45	39.48	38.79	113.22	103.67
DISTILLATE FUEL	.57	.66	.87	1.18	2.29	3.00	4.31	6.01	6.54	4.41	.91
KEROSENE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LPG	4.77	4.96	5.58	5.77	9.10	7.73	8.73	10.66	9.87	11.81	16.31
MOTOR GASOLINE	1.36	1.47	1.50	1.62	2.27	2.39	2.55	2.78	2.90	4.03	6.50
RESIDUAL FUEL	.12	.12	.89	2.30	8.03	10.49	12.86	20.03	19.48	92.97	79.96
ELECTRICITY	56.28	65.43	78.93	89.55	109.18	115.69	148.53	171.47	189.53	222.67	259.72
INDUSTRIAL SECTOR											
TOTAL ENERGY	179.11	200.88	222.50	278.62	428.17	499.04	568.74	689.65	748.22	934.65	1,170.95
METALLURGICAL COAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER COAL	.19	.24	.30	.30	.91	.46	2.57	2.68	2.76	2.08	1.89
NATURAL GAS (DRY)	41.47	48.45	51.88	59.80	71.92	74.34	90.27	115.22	112.34	176.86	208.17
TOTAL PETROLEUM	86.11	93.06	105.60	144.94	250.31	275.02	283.80	352.67	390.34	478.14	640.87
ASPHALT	7.65	11.49	14.14	17.09	27.35	30.31	27.86	28.57	38.31	46.43	48.05
DISTILLATE FUEL	14.16	16.27	15.64	20.87	38.82	42.94	65.49	105.83	123.79	113.30	122.72
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KEROSENE	12.77	10.32	11.23	22.56	16.35	13.50	14.52	25.88	36.12	21.29	7.57
LPG	10.84	11.25	13.64	14.99	26.35	27.21	32.88	41.58	35.82	42.87	59.19
LUBRICANTS	8.86	7.59	8.21	13.21	18.02	21.21	23.51	20.27	22.17	29.09	30.27
MOTOR GASOLINE	4.64	4.85	4.14	4.89	4.79	4.96	4.88	4.74	4.38	5.29	3.90
RESIDUAL FUEL	.62	.36	2.75	4.43	8.01	8.88	9.75	14.35	13.81	52.46	45.94
ROAD OIL	.00	.00	.00	.00	.01	.04	.18	.05	.00	.00	.00
OTHER PETROLEUM PRODUCTS	26.58	30.92	35.86	46.90	110.61	125.96	104.71	111.38	115.94	167.40	323.24
ELECTRICITY	51.34	59.12	64.71	73.58	105.04	149.23	192.11	219.09	242.78	277.56	320.02
TRANSPORTATION SECTOR											
TOTAL ENERGY	422.59	468.53	502.33	542.16	747.52	764.27	857.71	1,008.17	1,076.65	1,441.52	1,936.36
OTHER COAL	*	*	*	*	*	*	*	*	.00	.00	.00
NATURAL GAS (DRY)	11.82	12.86	13.28	13.67	14.07	13.58	13.84	22.56	27.84	53.55	68.36
TOTAL PETROLEUM	410.78	455.67	489.05	528.50	733.45	750.69	843.87	985.61	1,048.81	1,387.96	1,868.00
AVIATION GASOLINE	5.53	5.58	5.52	6.09	6.67	6.19	5.52	5.75	5.72	6.34	14.36
DISTILLATE FUEL	31.31	37.19	35.57	50.83	79.51	72.62	102.58	132.96	150.66	181.55	265.29
JET FUEL	5.96	6.47	6.20	6.96	12.19	15.24	15.20	18.58	20.92	29.90	48.93
LPG	1.10	1.09	1.29	1.37	2.22	1.89	2.20	2.51	2.24	2.68	3.69
LUBRICANTS	10.34	11.58	12.53	11.36	15.50	17.39	19.28	18.73	20.48	26.87	27.96
MOTOR GASOLINE	356.53	393.76	427.48	450.26	610.84	626.18	688.10	793.16	828.94	1,104.08	1,413.57
RESIDUAL FUEL	.01	.00	.48	1.62	6.51	11.18	10.99	13.92	19.85	36.53	94.20
ELECTRICITY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRIC UTILITIES											
TOTAL ENERGY	32.41	39.81	52.98	71.19	154.65	170.30	228.45	302.07	347.16	360.43	408.58
OTHER COAL	3.10	3.52	4.60	10.90	21.83	39.11	45.65	46.90	59.86	83.20	112.90
NATURAL GAS (DRY)	27.48	32.07	32.40	24.81	23.33	26.89	42.72	54.46	63.17	116.66	207.65
TOTAL PETROLEUM	1.83	4.22	15.98	35.48	109.49	104.31	140.09	200.70	224.13	160.57	88.03
DISTILLATE FUEL	.02	.12	10.60	24.11	56.64	32.20	28.53	16.68	22.12	5.52	9.52
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PETROLEUM COKE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RESIDUAL FUEL	1.81	4.10	5.37	11.36	52.84	72.11	111.55	184.02	202.01	155.05	78.51
NUCLEAR POWER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WOOD AND WASTE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

* LESS THAN .005.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE TO THE INDUSTRIAL SECTOR BY STATE.

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE EXPENDITURES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL SINCE THERE ARE NO ASSOCIATED FUEL COSTS FOR THESE ENERGY SOURCES.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MEXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: COAL INCLUDES ANTHRACITE, BITUMINOUS, AND LIGNITE EXCEPT IN THE TRANSPORTATION SECTOR WHICH DOES NOT CONSUME ANTHRACITE.

NOTE: RESIDENTIAL, COMMERCIAL, INDUSTRIAL, AND TRANSPORTATION EXPENDITURES EXCLUDE ENERGY EXPENDITURES FOR WOOD AND WOOD WASTE.

NOTE: EXPENDITURES ON NET IMPORTS OF COAL COKE ARE NOT DISTRIBUTED BY STATE; THEREFORE, THE SUM OF THE TOTAL EXPENDITURES BY STATE WILL NOT EQUAL THE TOTAL U.S. EXPENDITURE.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, THE ENERGY, PRICE, AND EXPENDITURES DATA SYSTEM (EPEDS)

Table 78. Average Annual Fuel Prices by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Mississippi (Dollars per Million Btu)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
ALL FUELS	2.4009	2.5297	2.8914	3.5001	4.2203	4.4318	5.4591	6.2464	6.3456	6.9312	8.8609
OTHER COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	2.4285	2.2474	2.4471
NATURAL GAS	.8624	.9210	1.0556	1.0635	1.2000	1.3762	1.6732	2.0556	2.3481	2.7637	3.3835
TOTAL PETROLEUM	2.2003	2.0902	2.1629	3.5745	3.7430	3.9813	4.2608	4.6439	4.3210	6.0528	8.3809
DISTILLATE FUEL	1.0936	1.2245	1.2379	1.4313	2.2753	2.4806	2.7704	3.1937	3.3907	4.6294	7.0765
KEROSENE	2.0595	2.1333	2.1851	2.2656	3.1638	3.7966	4.0932	4.4256	4.8949	8.0184	10.5878
LPG	2.2330	2.1137	2.1938	3.7339	3.8437	4.0963	4.3983	4.8050	4.3900	6.1150	8.3500
ELECTRICITY	5.0501	5.5154	6.0613	5.8877	7.4142	8.0521	9.8901	10.8798	11.3728	12.5058	13.9600
COMMERCIAL SECTOR											
ALL FUELS	1.9461	2.0894	2.3583	3.1973	3.0443	3.3432	4.2542	4.8483	5.0319	4.7319	6.6942
OTHER COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	1.4862	1.2075	1.3920
NATURAL GAS	.5675	.6101	.6601	1.9417	.7350	.9221	1.2614	1.7222	1.9832	2.3986	2.9839
TOTAL PETROLEUM	1.4190	1.5109	1.3502	1.3305	2.2551	2.2502	2.2104	2.5101	2.4229	2.7738	4.1353
DISTILLATE FUEL	.9124	1.0009	1.0071	1.1801	2.0028	2.2098	2.4747	2.8308	2.9732	4.3305	6.5245
KEROSENE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
LPG	1.3950	1.4558	1.5022	1.6335	2.7762	2.7874	3.0441	3.5843	3.6322	3.8473	5.7472
MOTOR GASOLINE	2.8381	3.0018	2.9940	3.0782	4.1747	4.3364	4.5726	4.9868	5.1742	7.2036	10.1221
RESIDUAL FUEL	.4196	.5579	.6094	.7398	1.7257	1.8054	1.6691	1.9881	1.8497	2.5703	3.7274
ELECTRICITY	5.5162	5.8829	6.3272	6.5168	8.0518	8.5662	10.4306	11.3572	11.6999	13.5329	14.9831
INDUSTRIAL SECTOR											
ALL FUELS	.6970	.7383	.7584	.9381	1.5471	1.9409	2.4025	2.8738	3.1042	3.8218	5.2384
METALLURGICAL COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
OTHER COAL	.1515	.1703	.2160	.2301	.6990	.8349	.9499	1.0044	1.4862	1.2075	1.3920
NATURAL GAS	.2856	.3162	.3250	.4150	.5428	.6828	.9954	1.3723	1.4337	2.0706	2.5795
TOTAL PETROLEUM	.9250	.9423	.9324	1.0995	2.0368	2.2099	2.4124	2.7930	2.9349	3.6961	5.6441
ASPHALT	.6598	.7066	.7556	.7939	1.3554	1.7667	1.7949	1.9600	2.1807	2.5662	3.5575
DISTILLATE FUEL	.7850	.8395	.8395	1.0007	1.7339	1.6961	2.0790	2.7159	2.8996	4.1394	6.0003
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
KEROSENE	.8758	.9366	.9366	1.1164	1.9345	1.8213	2.2740	2.8032	3.1823	5.1443	6.7404
LPG	1.3950	1.4558	1.5022	1.6335	2.7762	2.7874	3.0441	3.5843	3.6322	3.8473	5.7472
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.8381	3.0018	2.9940	3.0782	4.1747	4.3364	4.5726	4.9868	5.1742	7.2036	10.1221
RESIDUAL FUEL	.4104	.5456	.5959	.7234	1.6876	1.7655	1.6510	1.9294	1.8323	2.3089	3.3577
ROAD OIL	.0000	.0000	.0000	.0000	1.6516	1.8756	1.9155	2.0114	.0000	.0000	.0000
OTHER PETROLEUM PRODUCTS	.7282	.7576	.7551	.9355	2.0341	2.2361	2.3887	2.6898	2.8327	3.9074	6.2121
ELECTRICITY	2.9499	3.1658	3.3904	3.7203	5.2357	6.4180	7.4730	8.0876	8.7264	9.8952	11.4605
TRANSPORTATION SECTOR											
ALL FUELS	1.9624	2.0628	2.0965	2.1765	3.0500	3.3297	3.6865	4.0989	4.1907	5.5718	7.4382
OTHER COAL	.1515	.1703	.2160	.2301	.6990	.8349	.9499	1.0044	.0000	.0000	.0000
NATURAL GAS	.1932	.2098	.2233	.2335	.2732	.3470	.4450	.7151	.8656	1.2506	1.6998
TOTAL PETROLEUM	2.6644	2.7477	2.7146	2.7731	3.7889	3.9425	4.1868	4.5968	4.6665	6.4289	8.4867
AVIATION GASOLINE	3.4553	3.5236	3.4986	3.7615	5.2408	5.6360	5.8299	6.4522	7.0471	9.7345	13.7282
DISTILLATE FUEL	2.0000	1.7447	1.5340	1.7531	2.6215	2.7214	3.2020	3.7508	3.8194	5.3830	7.6007
JET FUEL	.6793	.7141	.7119	.8437	1.4548	1.8978	2.0440	2.3760	2.6840	3.6300	5.9520
LPG	1.3950	1.4558	1.5022	1.6335	2.7762	2.7874	3.0441	3.5843	3.6322	3.8473	5.7472
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.8381	3.0018	2.9940	3.0782	4.1747	4.3364	4.5726	4.9868	5.1742	7.2036	10.1221
RESIDUAL FUEL	.3398	.0000	.4935	.5990	1.3974	1.4606	1.3967	1.6196	1.4353	2.1277	2.7923
ELECTRICITY	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
ELECTRIC UTILITIES											
ALL FUELS	.2730	.3169	.3913	.5596	1.1202	1.3684	1.4995	1.6257	1.6736	1.8290	2.0463
OTHER COAL	.2570	.2880	.3630	.3850	.6530	1.1923	1.1461	1.2977	1.5250	1.4318	1.5319
NATURAL GAS	.2673	.2985	.3132	.4023	.5424	.8318	1.2728	1.3544	1.4127	1.7579	2.1123
TOTAL PETROLEUM	.4732	.7036	.8297	.9533	1.7771	1.7580	1.7742	1.8336	1.8153	2.2120	3.1816
DISTILLATE FUEL	.6333	.9431	.9273	.9922	1.9589	1.9491	2.1674	2.5147	2.5046	3.7291	5.4688
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
PETROLEUM COKE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
RESIDUAL FUEL	.4720	.6984	.6869	.8800	1.6164	1.6843	1.6955	1.7897	1.7622	2.1804	3.0280
NUCLEAR POWER	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
WOOD AND WASTE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE PRICES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: THE FOLLOWING FUEL SECTOR PRICES HAVE BEEN SUBSTITUTED (SEE THE DOCUMENTATION FOR THE DETAILS), COAL COMMERCIAL = COAL INDUSTRIAL, KEROSENE COMMERCIAL = KEROSENE INDUSTRIAL, LPG COMMERCIAL = LPG INDUSTRIAL, MOTOR GASOLINE COMMERCIAL = MOTOR GASOLINE TRANSPORTATION; JET FUEL INDUSTRIAL = JET FUEL TRANSPORTATION, MOTOR GASOLINE INDUSTRIAL = MOTOR GASOLINE TRANSPORTATION, OTHER PETROLEUM PRODUCTS INDUSTRIAL = DISTILLATE INDUSTRIAL UNITED STATES; COAL TRANSPORTATION = COAL INDUSTRIAL, LPG TRANSPORTATION = LPG INDUSTRIAL, LUBRICANTS TRANSPORTATION = LUBRICANTS INDUSTRIAL.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 79. Fuel Expenditures and Electricity Sales by Fuel Type, 1970-1980: Missouri (Million Dollars)

ENERGY EXPENDITURES ALL SECTORS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
COAL											
METALLURGICAL COAL	4	4	5	6	10	13	14	8	9	12	9
OTHER COAL	19	15	23	22	34	45	52	57	64	63	51
(INCLUDING ELECTRICITY GENERATION)	77	86	106	173	212	385	431	576	732	672	621
TOTAL COAL	22	19	28	28	43	57	65	66	73	76	60
(INCLUDING ELECTRICITY GENERATION)	81	90	111	179	222	397	445	585	741	684	631
NATURAL GAS											
TOTAL NATURAL GAS	257	268	301	314	348	417	506	654	675	849	920
(INCLUDING ELECTRICITY GENERATION)	274	289	323	333	369	433	526	684	707	881	955
PETROLEUM PRODUCTS											
ASPHALT AND ROAD OIL	27	32	31	36	74	73	61	67	81	84	95
AVIATION GASOLINE	2	3	2	4	6	5	4	5	7	9	10
DISTILLATE FUEL OIL	97	104	114	140	230	245	297	336	384	577	690
(INCLUDING ELECTRICITY GENERATION)	98	105	116	145	238	251	307	355	414	605	706
JET FUEL	37	39	40	46	75	106	109	130	144	185	246
(INCLUDING ELECTRICITY GENERATION)	37	39	40	46	75	106	109	130	144	185	246
KEROSENE	3	4	3	3	4	4	8	8	7	13	12
LIQUEFIED PETROLEUM GASES	80	79	84	133	134	147	171	195	188	308	329
LUBRICANTS	42	39	42	52	71	73	81	95	104	137	142
MOTOR GASOLINE	803	892	920	1,028	1,396	1,490	1,593	1,728	1,787	2,305	2,888
RESIDUAL FUEL	10	11	9	12	23	25	29	39	37	49	32
(INCLUDING ELECTRICITY GENERATION)	11	12	10	15	24	34	34	49	47	55	33
ALL OTHER PETROLEUM PRODUCTS	13	16	22	24	46	48	68	91	86	129	170
(INCLUDING ELECTRICITY GENERATION)	13	16	22	24	46	48	68	91	87	130	170
TOTAL PETROLEUM	1,115	1,217	1,268	1,478	2,058	2,217	2,421	2,694	2,826	3,797	4,615
(INCLUDING ELECTRICITY GENERATION)	1,116	1,219	1,271	1,485	2,068	2,231	2,435	2,724	2,867	3,832	4,633
NUCLEAR POWER, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
WOOD AND WASTE, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
ELECTRICITY SALES	541	584	639	709	783	974	1,143	1,281	1,538	1,688	1,998
TOTAL (INCLUDING ELECTRICITY SALES, EXCLUDING ELECTRICITY GENERATION)	1,935	2,088	2,236	2,528	3,233	3,665	4,136	4,694	5,112	6,409	7,593
TOTAL (EXCLUDING ELECTRICITY SALES, INCLUDING ELECTRICITY GENERATION)	1,471	1,598	1,705	1,996	2,659	3,061	3,406	3,992	4,316	5,396	6,219

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.
NOTE: THERE ARE NO PURCHASED FUEL EXPENDITURES FOR ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.
NOTE: DATA FOR 1980 DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.
NOTE: THE "ALL OTHER PETROLEUM PRODUCTS" CATEGORY INCLUDES NATURAL GASOLINE, UNFRACTIONATED STREAM, PLANT CONDENSATE, PETRO CHEMICAL FEEDSTOCKS, SPECIAL NAPHTHAS, PETROLEUM COKE (NOT CONSUMED IN ELECTRIC UTILITIES), STILL GAS, WAX, AND MISCELLANEOUS PRODUCTS. THE "(INCLUDING ELECTRICITY GENERATION)" CATEGORY INCLUDES PETROLEUM COKE FUEL EXPENDITURES FOR ELECTRIC UTILITIES.
NOTE: EXCLUDES NET IMPORTS OF COAL COKE; THEREFORE, THE SUM OF ALL STATES WILL NOT EQUAL TOTAL U.S.
SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 80. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Missouri (Million Dollars)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
TOTAL ENERGY	488.49	513.69	567.65	650.13	691.92	843.25	939.42	1,099.40	1,246.57	1,524.07	1,723.61
OTHER COAL	.24	.64	.76	1.47	2.75	2.41	2.61	1.95	4.45	6.38	1.59
NATURAL GAS (DRY)	153.46	158.45	179.10	182.74	197.77	235.22	276.50	342.19	368.40	462.08	475.90
TOTAL PETROLEUM	75.56	74.94	81.04	129.51	121.63	137.29	156.84	172.68	163.35	292.49	293.14
DISTILLATE FUEL	8.63	9.44	10.91	12.08	19.20	21.32	25.21	26.63	30.86	49.85	49.50
KEROSENE	.56	.69	.38	.44	.56	.46	.76	.76	.66	1.37	2.57
LPG	66.36	64.81	69.75	116.99	101.87	115.50	130.86	145.30	131.82	241.27	241.07
ELECTRICITY	259.23	279.66	306.75	336.41	369.77	468.33	503.47	582.58	710.37	763.13	952.98
COMMERCIAL SECTOR											
TOTAL ENERGY	225.18	244.87	274.52	298.91	336.09	400.36	591.24	668.43	754.63	897.42	953.32
OTHER COAL	.68	.49	.73	1.62	2.45	2.54	3.08	1.99	5.31	6.66	1.88
NATURAL GAS (DRY)	55.86	59.22	74.94	72.83	82.39	106.13	135.40	176.81	199.93	248.45	224.85
TOTAL PETROLEUM	22.93	25.18	23.93	26.53	46.78	47.58	56.45	65.79	69.18	100.91	101.32
DISTILLATE FUEL	6.50	7.08	8.16	9.17	15.21	16.80	19.83	20.97	24.23	40.55	38.23
KEROSENE	2.02	2.44	1.32	1.57	2.84	2.47	3.97	3.76	3.29	8.07	6.18
LPG	7.42	8.04	8.18	8.59	15.80	15.31	16.88	20.08	20.92	24.71	32.42
MOTOR GASOLINE	2.19	2.34	2.31	2.60	3.56	3.81	3.94	4.22	4.25	5.95	10.95
RESIDUAL FUEL	4.80	5.28	3.95	4.60	9.37	9.19	11.83	16.75	16.48	21.62	13.55
ELECTRICITY	145.71	159.98	174.92	197.94	204.46	244.12	396.31	423.84	480.22	541.40	625.27
INDUSTRIAL SECTOR											
TOTAL ENERGY	333.60	349.41	373.61	439.57	613.13	706.24	742.96	875.41	956.78	1,143.40	1,343.27
METALLURGICAL COAL	3.74	3.84	5.19	6.16	9.87	12.52	13.54	8.47	9.40	12.19	9.45
OTHER COAL	17.58	13.75	21.09	18.48	28.30	39.97	46.20	53.32	53.82	50.38	47.54
NATURAL GAS (DRY)	44.91	47.85	44.88	55.89	64.83	73.10	92.03	131.40	102.77	129.32	209.39
TOTAL PETROLEUM	131.15	139.60	145.25	184.84	301.13	319.58	347.96	408.42	443.88	568.26	657.95
ASPHALT	24.08	30.48	30.13	35.25	68.51	65.56	59.44	66.96	80.44	83.55	95.09
DISTILLATE FUEL	25.41	25.71	28.78	34.06	65.94	73.85	86.61	96.65	118.22	159.59	168.70
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KEROSENE	.66	.86	.86	.62	.67	1.04	3.47	3.66	3.53	3.82	3.14
LPG	5.79	6.06	5.98	7.22	15.52	15.91	22.86	29.41	35.29	41.69	54.69
LUBRICANTS	15.18	12.77	13.82	17.34	23.67	27.85	30.87	39.91	43.64	57.27	59.58
MOTOR GASOLINE	39.66	41.71	37.94	57.92	61.93	64.71	59.97	60.07	56.08	68.26	91.43
RESIDUAL FUEL	4.60	5.12	4.96	7.44	13.07	14.61	15.91	20.95	20.26	24.64	15.48
ROAD OIL	2.69	1.14	1.02	1.13	5.47	7.75	1.13	.11	.17	.06	.17
OTHER PETROLEUM PRODUCTS	13.08	15.74	21.76	23.86	46.36	48.31	67.71	90.71	86.25	129.38	169.69
ELECTRICITY	136.22	144.38	157.21	174.20	208.99	261.06	243.23	273.79	346.90	383.25	418.94
TRANSPORTATION SECTOR											
TOTAL ENERGY	887.96	979.80	1,019.95	1,139.79	1,591.56	1,715.32	1,862.58	2,050.78	2,153.97	2,844.34	3,573.09
OTHER COAL	.03	.02	.03	.02	.02	.01	*	*	.00	.00	.00
NATURAL GAS (DRY)	2.71	2.34	2.42	2.47	2.64	2.97	2.54	3.77	3.90	8.79	9.66
TOTAL PETROLEUM	885.15	977.36	1,017.42	1,137.21	1,588.80	1,712.17	1,859.81	2,046.67	2,149.75	2,835.15	3,562.99
AVIATION GASOLINE	2.36	2.65	2.42	4.45	5.88	4.53	4.49	5.24	6.64	8.98	10.19
DISTILLATE FUEL	56.91	61.66	66.43	85.04	129.23	133.31	165.55	191.39	210.81	327.39	433.37
JET FUEL	36.95	38.59	40.08	45.57	74.87	105.52	109.49	130.13	143.96	185.45	246.49
LPG	.18	.19	.17	.18	.34	.26	.27	.29	.34	.40	.53
LUBRICANTS	26.88	26.48	28.64	34.33	46.86	44.95	49.82	55.49	60.68	79.62	82.83
MOTOR GASOLINE	761.40	847.70	879.45	967.37	1,330.75	1,421.90	1,528.63	1,663.26	1,726.98	2,230.78	2,786.11
RESIDUAL FUEL	.47	.10	.23	.27	.86	1.70	1.56	.86	.35	2.52	3.47
ELECTRICITY	.07	.08	.08	.09	.11	.17	.22	.33	.32	.39	.44
ELECTRIC UTILITIES											
TOTAL ENERGY	76.81	94.32	108.00	176.59	210.09	369.64	413.17	578.86	741.42	675.25	623.27
OTHER COAL	58.58	71.26	83.04	150.97	178.73	339.68	379.37	519.07	668.37	608.28	570.34
NATURAL GAS (DRY)	16.90	21.09	22.10	18.92	21.82	15.77	20.02	29.66	32.21	32.12	35.14
TOTAL PETROLEUM	1.32	1.97	2.86	6.70	9.54	14.19	13.78	30.13	40.84	34.85	17.79
DISTILLATE FUEL	.69	.75	1.68	4.30	8.55	5.45	9.35	19.42	29.45	27.34	16.50
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.07	.00	.00
PETROLEUM COKE	.00	.00	.00	.03	.12	.06	.00	.41	1.17	.98	.74
RESIDUAL FUEL	.63	1.23	1.18	2.38	.88	8.67	4.43	10.30	10.15	6.53	.54
NUCLEAR POWER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WOOD AND WASTE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

* LESS THAN .005.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE TO THE INDUSTRIAL SECTOR BY STATE.

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE EXPENDITURES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL SINCE THERE ARE NO ASSOCIATED FUEL COSTS FOR THESE ENERGY SOURCES.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MEXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: COAL INCLUDES ANTHRACITE, BITUMINOUS, AND LIGNITE EXCEPT IN THE TRANSPORTATION SECTOR WHICH DOES NOT CONSUME ANTHRACITE.

NOTE: RESIDENTIAL, COMMERCIAL, INDUSTRIAL, AND TRANSPORTATION EXPENDITURES EXCLUDE ENERGY EXPENDITURES FOR WOOD AND WOOD WASTE.

NOTE: EXPENDITURES ON NET IMPORTS OF COAL COKE ARE NOT DISTRIBUTED BY STATE; THEREFORE, THE SUM OF THE TOTAL EXPENDITURES BY STATE WILL NOT EQUAL THE TOTAL U.S. EXPENDITURE.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, THE ENERGY, PRICE, AND EXPENDITURES DATA SYSTEM (EPEDS)

Table 81. Average Annual Fuel Prices by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Missouri (Dollars per Million Btu)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
ALL FUELS	2.0608	2.1703	2.2873	2.6724	2.8690	3.3731	3.6991	4.3943	4.7776	5.6425	6.8137
OTHER COAL	.2789	.8711	.8769	.7695	1.4027	1.7195	1.6318	2.0000	2.0367	2.2816	2.0414
NATURAL GAS	.9507	1.0020	1.0894	1.1668	1.2637	1.4861	1.6938	2.1795	2.2803	2.8157	3.2403
TOTAL PETROLEUM	1.8098	1.7749	1.8101	2.9407	2.8720	3.1405	3.5868	4.0522	3.8694	6.1771	7.0312
DISTILLATE FUEL	1.1307	1.2325	1.2401	1.3821	2.4269	2.6136	2.8566	3.2184	3.3005	4.9125	6.8533
KEROSENE	1.4320	1.5603	1.5784	1.8296	2.7764	2.8798	3.1477	3.6658	3.8960	5.3683	7.9630
LPG	1.9680	1.8995	1.9520	3.3370	2.9754	3.2631	3.7758	4.2567	4.0320	6.5300	7.0600
ELECTRICITY	7.8552	7.8551	8.0447	8.2641	9.1612	10.0525	11.0930	11.7470	12.9252	13.6636	14.9776
COMMERCIAL SECTOR											
ALL FUELS	1.6229	1.7501	1.8628	2.0838	2.3862	2.8430	3.6257	4.1932	4.4863	5.3096	6.7656
OTHER COAL	.4199	.3617	.4516	.4580	.6742	.9729	1.0348	1.0987	1.3075	1.2961	1.3396
NATURAL GAS	.6182	.6416	.7483	.7843	.8911	1.1469	1.3499	1.8593	1.9941	2.5791	2.8872
TOTAL PETROLEUM	.8852	1.0459	1.0962	1.2359	2.2926	2.4045	2.5429	2.9109	2.9800	4.0144	5.8029
DISTILLATE FUEL	1.0283	1.1166	1.1221	1.2679	2.3238	2.4890	2.7162	3.0647	3.1320	4.8310	6.5895
KEROSENE	.8218	.8788	.8788	1.0476	2.2486	2.4378	2.6018	2.8879	3.0901	5.0321	6.3695
LPG	1.2475	1.3360	1.2971	1.3887	2.6150	2.4505	2.7598	3.3335	3.6265	3.7903	5.3806
MOTOR GASOLINE	2.7285	2.8914	2.8602	3.1343	4.3219	4.5511	4.6561	4.9383	5.0077	6.9265	9.3252
RESIDUAL FUEL	.4629	.6490	.6654	.8040	1.6346	1.8607	1.8460	2.2110	2.1147	2.7862	3.8820
ELECTRICITY	6.9793	7.2134	7.3531	7.7386	8.3976	9.4272	10.5426	10.6226	11.8052	12.7659	14.1577
INDUSTRIAL SECTOR											
ALL FUELS	1.0482	1.1135	1.1564	1.2582	1.8590	2.3312	2.4178	2.7527	3.1675	3.8447	5.0003
METALLURGICAL COAL	.4554	.4511	.5877	.6811	1.2627	1.6488	1.7181	1.8092	1.9469	1.8085	1.8661
OTHER COAL	.4199	.3617	.4516	.4580	.6742	.9729	1.0348	1.0987	1.3075	1.2961	1.3396
NATURAL GAS	.3974	.4280	.4409	.4633	.5771	.7971	.9930	1.4470	1.4549	1.9856	2.6194
TOTAL PETROLEUM	1.0814	1.1558	1.1180	1.3020	2.3311	2.6120	2.6939	2.9401	3.0279	3.8656	5.9513
ASPHALT	.7023	.8216	.8355	.8069	1.6922	2.0300	1.9798	2.0305	2.0982	2.5116	3.5858
DISTILLATE FUEL	.7674	.8206	.8206	.9782	2.0996	2.2541	2.4206	2.6781	2.8395	3.5799	6.0844
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
KEROSENE	.8218	.8788	.8788	1.0476	2.2486	2.4378	2.6018	2.8879	3.0901	5.0321	6.3695
LPG	1.2475	1.3360	1.2971	1.3887	2.6150	2.4505	2.7598	3.3335	3.6265	3.7903	5.3806
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.7285	2.8914	2.8602	3.1343	4.3219	4.5511	4.6561	4.9383	5.0077	6.9265	9.3252
RESIDUAL FUEL	.4527	.6346	.6507	.7862	1.5985	1.8196	1.8260	2.1457	2.0948	2.5028	3.4970
ROAD OIL	.8262	.8075	.8648	.8485	1.8302	2.1863	2.2517	2.3357	2.4337	2.8063	3.9808
OTHER PETROLEUM PRODUCTS	.7282	.7576	.7551	.9355	2.0341	2.2361	2.3887	2.6898	2.8327	3.9074	6.2121
ELECTRICITY	4.0172	4.1590	4.3849	4.6627	5.4281	6.4937	7.3898	7.8053	8.9325	9.6648	11.1439
TRANSPORTATION SECTOR											
ALL FUELS	2.2709	2.4266	2.4107	2.6737	3.7940	4.0529	4.2016	4.5061	4.6100	6.3721	8.7078
OTHER COAL	.4199	.3617	.4516	.4580	.6742	.9729	1.0348	1.0987	.0000	.0000	.0000
NATURAL GAS	.2061	.2278	.2453	.2646	.2885	.3888	.4749	.7954	.8677	1.2231	1.6911
TOTAL PETROLEUM	2.3431	2.4844	2.4627	2.7279	3.8724	4.1202	4.2470	4.5449	4.6460	6.4562	8.8066
AVIATION GASOLINE	3.4553	3.5236	3.4986	3.7615	5.2408	5.6360	5.8299	6.4522	7.0471	9.9009	13.8946
DISTILLATE FUEL	1.2235	1.2558	1.2734	1.5376	2.5006	2.6900	2.8564	3.1160	3.2766	4.9707	6.9053
JET FUEL	.8052	.8459	.8430	1.0000	1.7237	2.2481	2.4552	2.8820	3.1130	4.3186	6.9102
LPG	1.2475	1.3360	1.2971	1.3887	2.6150	2.4505	2.7598	3.3335	3.6265	3.7903	5.3806
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.7285	2.8914	2.8602	3.1343	4.3219	4.5511	4.6561	4.9383	5.0077	6.9265	9.3252
RESIDUAL FUEL	.4629	.6490	.6654	.8040	1.6346	1.8607	1.8460	2.2110	2.1147	2.7862	3.8820
ELECTRICITY	2.7745	3.0146	3.2867	3.4542	4.0543	5.5911	6.9503	8.0781	9.0042	9.4275	11.3130
ELECTRIC UTILITIES											
ALL FUELS	.2557	.2900	.3093	.4423	.5406	.8895	.9219	1.1754	1.5260	1.3616	1.2148
OTHER COAL	.2510	.2820	.2920	.4484	.5338	.8913	.9129	1.1460	1.5189	1.3090	1.1552
NATURAL GAS	.2604	.3018	.3654	.3372	.4436	.5840	.7699	1.1171	1.1422	1.5242	2.2171
TOTAL PETROLEUM	.6438	.7290	.6693	1.0422	2.0568	1.9081	2.0831	2.3192	2.3163	3.4361	5.0672
DISTILLATE FUEL	.7771	.9271	.7888	1.3059	2.1605	2.2555	2.3126	2.6789	2.6655	4.4280	6.0152
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	3.0714	.0000	.0000
PETROLEUM COKE	.0000	.0000	.0000	.5800	.6300	.6900	.0000	.7600	.8200	.7800	1.2200
RESIDUAL FUEL	.5424	.6452	.5504	.7684	1.7678	1.7596	1.7222	1.9811	1.9779	2.4083	3.4522
NUCLEAR POWER	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
WOOD AND WASTE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE PRICES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: THE FOLLOWING FUEL SECTOR PRICES HAVE BEEN SUBSTITUTED (SEE THE DOCUMENTATION FOR THE DETAILS), COAL COMMERCIAL = COAL INDUSTRIAL, KEROSENE COMMERCIAL = KEROSENE INDUSTRIAL, LPG COMMERCIAL = LPG INDUSTRIAL, MOTOR GASOLINE COMMERCIAL = MOTOR GASOLINE TRANSPORTATION; JET FUEL INDUSTRIAL = JET FUEL TRANSPORTATION, MOTOR GASOLINE INDUSTRIAL = MOTOR GASOLINE TRANSPORTATION, OTHER PETROLEUM PRODUCTS INDUSTRIAL = DISTILLATE INDUSTRIAL UNITED STATES; COAL TRANSPORTATION = COAL INDUSTRIAL, LPG TRANSPORTATION = LPG INDUSTRIAL, LUBRICANTS TRANSPORTATION = LUBRICANTS INDUSTRIAL.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 82. Fuel Expenditures and Electricity Sales by Fuel Type, 1970-1980: Montana (Million Dollars)

ENERGY EXPENDITURES ALL SECTORS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
COAL											
METALLURGICAL COAL	0	0	0	0	0	0	0	0	0	0	0
OTHER COAL	1	1	1	1	2	1	3	5	5	6	8
(INCLUDING ELECTRICITY GENERATION)	3	3	4	4	5	6	14	19	21	25	31
TOTAL COAL	1	1	1	1	2	1	3	5	5	6	8
(INCLUDING ELECTRICITY GENERATION)	3	3	4	4	5	6	14	19	21	25	31
NATURAL GAS											
TOTAL NATURAL GAS	48	50	49	59	61	83	83	112	122	130	163
(INCLUDING ELECTRICITY GENERATION)	48	51	50	59	61	83	84	113	123	135	179
PETROLEUM PRODUCTS											
ASPHALT AND ROAD OIL	5	7	8	8	14	11	14	13	12	17	25
AVIATION GASOLINE	1	1	1	2	2	2	3	3	3	6	9
DISTILLATE FUEL OIL	32	38	40	55	106	111	125	136	144	241	293
(INCLUDING ELECTRICITY GENERATION)	32	38	41	56	107	112	127	137	146	244	296
JET FUEL	3	4	4	4	7	10	10	12	12	22	38
(INCLUDING ELECTRICITY GENERATION)	3	4	4	4	7	10	10	12	12	22	38
KEROSENE	2	2	2	3	2	2	1	1	2	*	0
LIQUEFIED PETROLEUM GASES	10	11	13	17	20	18	20	20	26	37	43
LUBRICANTS	7	7	7	8	11	12	13	15	16	21	22
MOTOR GASOLINE	141	147	150	181	238	267	297	306	373	411	469
RESIDUAL FUEL	4	4	6	9	28	28	32	33	36	101	87
(INCLUDING ELECTRICITY GENERATION)	4	4	6	9	28	28	32	34	36	101	87
ALL OTHER PETROLEUM PRODUCTS	13	13	15	19	37	39	39	48	50	68	100
(INCLUDING ELECTRICITY GENERATION)	13	13	15	19	37	39	39	48	50	68	100
TOTAL PETROLEUM	217	233	247	304	466	499	555	588	675	924	1,087
(INCLUDING ELECTRICITY GENERATION)	217	233	247	306	466	500	557	590	676	927	1,090
NUCLEAR POWER, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
WOOD AND WASTE, ELECTRICITY GENERATION	1	1	*	*	*	*	*	1	1	1	*
ELECTRICITY SALES	85	88	94	100	107	122	130	140	174	191	202
TOTAL (INCLUDING ELECTRICITY SALES, EXCLUDING ELECTRICITY GENERATION)	350	372	391	464	636	705	772	845	976	1,251	1,459
TOTAL (EXCLUDING ELECTRICITY SALES, INCLUDING ELECTRICITY GENERATION)	269	287	301	369	532	590	655	722	820	1,089	1,300

* LESS THAN .5.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: THERE ARE NO PURCHASED FUEL EXPENDITURES FOR ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: DATA FOR 1980 DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.

NOTE: THE "ALL OTHER PETROLEUM PRODUCTS" CATEGORY INCLUDES NATURAL GASOLINE, UNFRACTIONATED STREAM, PLANT CONDENSATE, PETRO CHEMICAL FEEDSTOCKS, SPECIAL NAPHTHAS, PETROLEUM COKE (NOT CONSUMED IN ELECTRIC UTILITIES), STILL GAS, WAX, AND MISCELLANEOUS PRODUCTS. THE "(INCLUDING ELECTRICITY GENERATION)" CATEGORY INCLUDES PETROLEUM COKE FUEL EXPENDITURES FOR ELECTRIC UTILITIES.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE; THEREFORE, THE SUM OF ALL STATES WILL NOT EQUAL TOTAL U.S.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 83. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Montana (Million Dollars)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
TOTAL ENERGY	66.45	71.92	75.61	87.35	93.68	106.14	113.58	129.29	155.90	185.20	197.45
OTHER COAL	.02	.16	.10	.19	.12	.10	.16	.02	.18	.21	.30
NATURAL GAS (DRY)	22.85	24.08	22.87	26.75	24.23	31.20	32.25	39.60	44.13	51.37	59.60
TOTAL PETROLEUM	9.23	11.10	12.77	17.85	23.61	23.57	26.74	27.76	34.65	49.24	52.12
DISTILLATE FUEL	1.79	3.04	3.30	4.34	7.67	9.55	10.90	11.77	12.57	18.55	16.85
KEROSENE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LPG	7.44	8.06	9.47	13.51	15.94	14.02	15.85	15.99	22.08	30.69	35.26
ELECTRICITY	34.35	36.58	39.88	42.57	45.72	51.27	54.42	61.90	76.94	84.37	85.42
COMMERCIAL SECTOR											
TOTAL ENERGY	41.08	42.78	46.06	51.89	57.40	72.50	76.41	82.89	101.40	121.71	124.42
OTHER COAL	.13	.17	.14	.15	.21	.18	.15	.04	.23	.18	.35
NATURAL GAS (DRY)	11.65	12.03	12.63	14.66	14.93	20.40	21.24	26.98	29.91	35.67	45.38
TOTAL PETROLEUM	6.37	6.08	7.01	8.05	13.25	16.37	17.78	19.25	21.06	30.97	21.68
DISTILLATE FUEL	1.71	2.83	3.06	4.19	7.91	9.52	11.11	12.03	13.00	19.90	12.94
KEROSENE	.49	.41	.40	.57	.82	.81	.56	.76	.78	.43	.00
LPG	.82	.87	1.05	1.02	1.68	1.64	1.90	2.07	2.37	3.84	4.43
MOTOR GASOLINE	3.35	1.96	2.49	2.26	2.82	4.36	4.17	4.34	4.85	6.59	4.15
RESIDUAL FUEL	*	*	*	.01	.03	.03	.05	.05	.06	.22	.17
ELECTRICITY	22.93	24.51	26.29	29.04	29.01	35.55	37.24	36.62	50.19	54.89	57.00
INDUSTRIAL SECTOR											
TOTAL ENERGY	83.04	88.26	95.87	109.87	179.24	202.62	218.22	249.08	253.72	385.15	435.52
METALLURGICAL COAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER COAL	.46	.54	.81	.73	1.50	1.19	3.06	4.88	4.39	5.41	6.86
NATURAL GAS (DRY)	13.08	14.20	13.57	16.78	21.19	30.70	29.25	44.52	46.46	40.34	54.04
TOTAL PETROLEUM	42.09	46.42	53.85	64.05	124.07	136.05	147.27	158.27	155.63	287.43	314.95
ASPHALT	4.31	6.77	7.25	7.26	12.69	10.20	12.99	12.91	11.86	17.14	24.76
DISTILLATE FUEL	6.47	8.83	9.18	13.28	29.08	34.62	37.97	40.69	36.42	70.67	68.09
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KEROSENE	1.48	1.48	1.58	2.19	1.42	1.01	.53	.64	.80	.00	.00
LPG	1.40	1.73	2.09	2.02	2.18	1.96	2.53	2.23	1.56	2.52	2.92
LUBRICANTS	1.68	1.54	1.67	2.20	3.00	2.63	2.91	3.04	3.33	4.36	4.54
MOTOR GASOLINE	9.65	8.81	10.41	9.46	11.37	19.41	19.81	19.38	16.84	24.40	27.89
RESIDUAL FUEL	3.35	3.65	6.15	8.46	26.28	26.07	30.31	31.20	34.51	99.96	86.83
ROAD OIL	.98	.53	.93	.65	1.32	1.05	1.09	.47	.33	.27	.10
OTHER PETROLEUM PRODUCTS	12.76	13.08	14.59	18.54	36.74	39.09	39.13	47.71	50.01	68.11	99.83
ELECTRICITY	27.40	27.10	27.64	28.31	32.48	34.69	38.64	41.41	47.25	51.98	59.67
TRANSPORTATION SECTOR											
TOTAL ENERGY	159.42	169.30	173.78	214.99	305.39	323.99	363.75	383.84	464.89	559.31	701.81
OTHER COAL	*	*	*	*	*	*	*	*	.00	.00	.00
NATURAL GAS (DRY)	.08	.09	.17	.35	.40	.73	.68	1.09	1.31	2.74	3.72
TOTAL PETROLEUM	159.13	168.97	173.37	214.48	304.92	323.26	363.07	382.75	463.57	556.57	698.09
AVIATION GASOLINE	.85	.82	1.32	1.69	2.27	2.07	2.63	2.83	2.86	5.55	9.43
DISTILLATE FUEL	21.64	23.01	24.94	33.02	61.59	57.25	64.92	71.67	82.44	131.64	195.56
JET FUEL	2.89	3.60	3.57	4.21	7.48	10.19	10.41	12.40	12.20	22.26	37.95
LPG	.08	.12	.17	.16	.21	.19	.20	.15	.13	.21	.24
LUBRICANTS	5.63	5.21	5.64	5.79	7.90	9.17	10.16	11.68	12.78	16.77	17.44
MOTOR GASOLINE	127.68	135.88	137.45	169.38	224.03	242.87	273.01	282.28	351.32	379.68	437.46
RESIDUAL FUEL	.35	.34	.28	.23	1.44	1.52	1.74	1.74	1.84	.46	.00
ELECTRICITY	.21	.24	.24	.16	.07	.00	.00	.00	.00	.00	.00
ELECTRIC UTILITIES											
TOTAL ENERGY	3.51	3.40	4.05	5.21	3.95	5.75	12.85	16.95	18.83	28.61	42.92
OTHER COAL	2.17	2.51	3.10	2.75	3.10	4.37	10.39	13.82	15.91	19.46	23.11
NATURAL GAS (DRY)	.71	.36	.40	.68	.33	.42	.30	.68	.71	5.16	16.74
TOTAL PETROLEUM	.02	.00	.08	1.31	.35	.80	1.72	1.86	1.51	3.20	2.74
DISTILLATE FUEL	.00	.00	.03	.86	.33	.80	1.72	.83	1.51	3.20	2.74
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PETROLEUM COKE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RESIDUAL FUEL	.02	.00	.05	.45	.02	.00	.00	1.02	.00	.00	.00
NUCLEAR POWER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WOOD AND WASTE	.61	.53	.46	.46	.17	.16	.45	.59	.70	.80	.33

* LESS THAN .005.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE TO THE INDUSTRIAL SECTOR BY STATE.

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE EXPENDITURES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL SINCE THERE ARE NO ASSOCIATED FUEL COSTS FOR THESE ENERGY SOURCES.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MEXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: COAL INCLUDES ANTHRACITE, BITUMINOUS, AND LIGNITE EXCEPT IN THE TRANSPORTATION SECTOR WHICH DOES NOT CONSUME ANTHRACITE.

NOTE: RESIDENTIAL, COMMERCIAL, INDUSTRIAL, AND TRANSPORTATION EXPENDITURES EXCLUDE ENERGY EXPENDITURES FOR WOOD AND WOOD WASTE.

NOTE: EXPENDITURES ON NET IMPORTS OF COAL COKE ARE NOT DISTRIBUTED BY STATE; THEREFORE, THE SUM OF THE TOTAL EXPENDITURES BY STATE WILL NOT EQUAL THE TOTAL U.S. EXPENDITURE.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, THE ENERGY, PRICE, AND EXPENDITURES DATA SYSTEM (EPEDS)

Table 84. Average Annual Fuel Prices by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Montana (Dollars per Million Btu)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
ALL FUELS	1.8608	1.9105	2.0347	2.2896	2.6388	2.7252	2.9010	3.4477	3.7784	4.3747	5.3125
OTHER COAL	.2187	.8981	.8259	1.4571	1.0640	1.0640	2.0710	1.1800	1.2900	2.1536	2.3961
NATURAL GAS	.8937	.9203	.9360	1.0523	1.0959	1.2693	1.3454	1.7997	1.8931	2.2350	3.0165
TOTAL PETROLEUM	1.9229	1.9380	1.9287	2.7810	3.4257	3.3857	3.6204	3.8836	4.1182	5.3757	7.1087
DISTILLATE FUEL	1.2341	1.3137	1.3184	1.5495	2.5046	2.8549	2.9444	3.3615	3.3693	4.7952	6.9056
KEROSENE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
LPG	2.2215	2.3607	2.3003	3.7338	4.1621	3.8766	4.2994	4.3850	4.7150	5.8000	7.2100
ELECTRICITY	6.5620	6.5668	6.6522	6.8835	7.1553	7.0125	7.0547	7.4358	8.1881	8.3624	8.5859
COMMERCIAL SECTOR											
ALL FUELS	1.5054	1.5502	1.5747	1.7637	2.1234	2.3803	2.5348	2.8605	3.2611	3.8845	4.9056
OTHER COAL	.6386	.5142	.6483	.6297	1.0101	1.0358	1.0380	1.0650	.9019	1.0096	1.4975
NATURAL GAS	.6084	.6441	.6420	.7507	.8782	1.0724	1.1688	1.5850	1.6569	2.0144	3.1069
TOTAL PETROLEUM	1.6197	1.3988	1.4308	1.6050	2.5563	2.8847	2.9817	3.3449	3.3796	4.8153	6.3886
DISTILLATE FUEL	1.0382	1.0784	1.0772	1.3195	2.2751	2.5056	2.6431	3.0261	3.0685	4.5312	6.4556
KEROSENE	.9277	.9220	.9129	1.2041	2.2693	2.6331	2.4194	2.6311	2.9275	4.4666	.0000
LPG	1.3855	1.4463	1.4426	1.5902	2.4796	2.5740	2.9147	3.2231	2.8641	4.1087	5.1374
MOTOR GASOLINE	2.8911	2.9401	2.8235	3.1678	4.2984	4.7754	4.8717	5.2478	5.5436	7.0037	8.5806
RESIDUAL FUEL	.4871	.5156	.7125	.8657	1.9778	2.1005	2.0318	2.3271	2.2051	3.1211	3.8081
ELECTRICITY	5.7253	5.7680	5.8815	6.2546	6.2510	6.3692	6.3484	5.9422	7.6606	7.8295	7.9994
INDUSTRIAL SECTOR											
ALL FUELS	.7487	.7647	.8175	.9263	1.5010	1.8530	1.8687	2.1569	2.2447	2.9098	4.0146
METALLURGICAL COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
OTHER COAL	.6386	.5142	.6483	.6297	1.0101	1.0358	1.0380	1.0650	.9019	1.0096	1.4975
NATURAL GAS	.3080	.3208	.3377	.3900	.5323	.8867	.9306	1.4452	1.5512	1.5721	2.6203
TOTAL PETROLEUM	.8927	.9356	.9639	1.1188	2.1435	2.4307	2.3679	2.6185	2.7121	3.5705	4.9648
ASPHALT	.5786	.8255	.8252	.8436	1.7081	1.8264	1.6492	1.7787	1.9486	2.4882	3.6717
DISTILLATE FUEL	.8724	.8670	.8584	1.1322	2.1339	2.4429	2.2661	2.4755	2.6987	4.4243	6.1009
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
KEROSENE	.9277	.9220	.9129	1.2041	2.2693	2.6331	2.4194	2.6311	2.9275	.0000	.0000
LPG	1.3855	1.4463	1.4426	1.5902	2.4796	2.5740	2.9147	3.2231	2.8641	4.1087	5.1374
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.8911	2.9401	2.8235	3.1678	4.2984	4.7754	4.8717	5.2478	5.5436	7.0037	8.5806
RESIDUAL FUEL	.4763	.5042	.6967	.8466	1.9341	2.0541	2.0098	2.2583	2.1844	2.8037	3.4304
ROAD OIL	.6615	.7894	.8538	.9775	1.9476	1.9260	1.7125	1.8257	1.9431	2.4371	4.1150
OTHER PETROLEUM PRODUCTS	.7282	.7576	.7551	.9355	2.0341	2.2361	2.3887	2.6898	2.8327	3.9074	6.2121
ELECTRICITY	1.3322	1.3239	1.3830	1.6481	1.6056	1.9700	1.9126	2.1073	2.2678	2.4929	3.0076
TRANSPORTATION SECTOR											
ALL FUELS	2.3367	2.3743	2.2991	2.5899	3.6093	3.9763	4.1428	4.5044	4.7982	6.1231	7.8922
OTHER COAL	.6386	.5142	.6483	.6297	1.0101	1.0358	1.0380	1.0650	.0000	.0000	.0000
NATURAL GAS	.1071	.1140	.1606	.2034	.2246	.4075	.4564	.7267	.8334	1.1697	1.2794
TOTAL PETROLEUM	2.3625	2.4012	2.3317	2.6411	3.6825	4.0569	4.2066	4.5720	4.8638	6.2536	8.1157
AVIATION GASOLINE	3.4553	3.5236	3.4986	3.7615	5.2408	5.6360	5.8299	6.4522	7.0471	9.4017	13.3954
DISTILLATE FUEL	1.2311	1.2689	1.2748	1.5217	2.5570	2.6272	2.7643	3.1120	3.2597	4.7940	7.0874
JET FUEL	.7978	.8385	.8356	.9911	1.7089	2.2289	2.4481	2.8428	3.0613	4.2809	6.9007
LPG	1.3855	1.4463	1.4426	1.5902	2.4796	2.5740	2.9147	3.2231	2.8641	4.1087	5.1374
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.8911	2.9401	2.8235	3.1678	4.2984	4.7754	4.8717	5.2478	5.5436	7.0037	8.5806
RESIDUAL FUEL	.4691	.6310	.6970	.8289	1.8520	1.4622	1.8806	2.0218	1.9753	3.0657	.0000
ELECTRICITY	1.5578	1.5680	1.5631	1.5556	1.5419	.0000	.0000	.0000	.0000	.0000	.0000
ELECTRIC UTILITIES											
ALL FUELS	.2403	.2839	.2922	.2849	.2651	.3033	.3106	.2991	.3373	.4547	.6919
OTHER COAL	.1940	.2450	.2600	.1960	.2331	.2514	.2623	.2546	.2955	.3295	.4056
NATURAL GAS	.2736	.3250	.3226	.2872	.2928	.3892	.4153	.6975	.7561	2.1499	3.8703
TOTAL PETROLEUM	.3257	.0000	.5463	.9567	1.1481	2.3207	2.5280	1.9821	2.9740	3.3691	5.0097
DISTILLATE FUEL	.0000	.0000	.5635	.9297	1.1465	2.3207	2.5280	1.8140	2.9740	3.3691	5.0097
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
PETROLEUM COKE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
RESIDUAL FUEL	.3257	.0000	.5373	1.0126	1.1720	.0000	.0000	2.1440	.0000	.0000	.0000
NUCLEAR POWER	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
WOOD AND WASTE	.8000	.8400	.8700	.9200	1.0000	1.1000	1.1500	1.2200	1.3100	1.5000	1.8100

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE PRICES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: THE FOLLOWING FUEL SECTOR PRICES HAVE BEEN SUBSTITUTED (SEE THE DOCUMENTATION FOR THE DETAILS), COAL COMMERCIAL = COAL INDUSTRIAL, KEROSENE COMMERCIAL = KEROSENE INDUSTRIAL, LPG COMMERCIAL = LPG INDUSTRIAL, MOTOR GASOLINE COMMERCIAL = MOTOR GASOLINE TRANSPORTATION; JET FUEL INDUSTRIAL = JET FUEL TRANSPORTATION, MOTOR GASOLINE INDUSTRIAL = MOTOR GASOLINE TRANSPORTATION, OTHER PETROLEUM PRODUCTS INDUSTRIAL = DISTILLATE INDUSTRIAL UNITED STATES; COAL TRANSPORTATION = COAL INDUSTRIAL, LPG TRANSPORTATION = LPG INDUSTRIAL, LUBRICANTS TRANSPORTATION = LUBRICANTS INDUSTRIAL.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 85. Fuel Expenditures and Electricity Sales by Fuel Type, 1970-1980: Nebraska (Million Dollars)

ENERGY EXPENDITURES ALL SECTORS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
COAL											
METALLURGICAL COAL	0	0	0	0	0	0	0	0	0	0	0
OTHER COAL	2	2	2	3	4	5	11	13	22	17	10
(INCLUDING ELECTRICITY GENERATION)	10	11	14	17	23	30	54	69	76	91	113
TOTAL COAL	2	2	2	3	4	5	11	13	22	17	10
(INCLUDING ELECTRICITY GENERATION)	10	11	14	17	23	30	54	69	76	91	113
NATURAL GAS											
TOTAL NATURAL GAS	97	107	118	118	135	170	195	194	225	289	374
(INCLUDING ELECTRICITY GENERATION)	110	122	137	141	159	194	212	209	240	310	396
PETROLEUM PRODUCTS											
ASPHALT AND ROAD OIL	5	6	5	5	12	10	8	15	23	14	19
AVIATION GASOLINE	4	4	2	4	5	4	4	6	7	9	15
DISTILLATE FUEL OIL	41	43	51	66	107	111	151	176	213	306	344
(INCLUDING ELECTRICITY GENERATION)	41	44	53	68	110	115	154	180	216	317	350
JET FUEL	7	8	7	9	16	20	22	27	32	44	55
(INCLUDING ELECTRICITY GENERATION)	7	8	7	9	16	20	22	27	32	44	55
KEROSENE	4	5	5	7	9	8	10	10	9	2	2
LIQUEFIED PETROLEUM GASES	33	32	36	51	58	66	83	84	73	109	126
LUBRICANTS	18	16	17	20	27	28	31	23	25	33	35
MOTOR GASOLINE	294	303	321	353	458	516	573	606	638	775	980
RESIDUAL FUEL	2	2	2	2	4	5	6	7	5	3	1
(INCLUDING ELECTRICITY GENERATION)	2	2	3	3	9	12	19	15	16	9	2
ALL OTHER PETROLEUM PRODUCTS	1	1	2	2	3	4	10	12	12	19	22
(INCLUDING ELECTRICITY GENERATION)	1	1	2	2	3	4	10	12	12	19	22
TOTAL PETROLEUM	408	419	449	517	698	773	899	968	1,038	1,313	1,597
(INCLUDING ELECTRICITY GENERATION)	409	420	452	520	706	783	914	979	1,051	1,331	1,605
NUCLEAR POWER, ELECTRICITY GENERATION	0	0	0	1	7	15	13	16	17	33	22
WOOD AND WASTE, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
ELECTRICITY SALES	170	187	191	205	225	271	326	363	410	447	506
TOTAL (INCLUDING ELECTRICITY SALES, EXCLUDING ELECTRICITY GENERATION)	676	715	761	842	1,062	1,218	1,432	1,537	1,696	2,066	2,487
TOTAL (EXCLUDING ELECTRICITY SALES, INCLUDING ELECTRICITY GENERATION)	530	553	603	679	895	1,023	1,193	1,273	1,384	1,764	2,135

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.
NOTE: THERE ARE NO PURCHASED FUEL EXPENDITURES FOR ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.
NOTE: DATA FOR 1980 DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.
NOTE: THE "ALL OTHER PETROLEUM PRODUCTS" CATEGORY INCLUDES NATURAL GASOLINE, UNFRACTIONATED STREAM, PLANT CONDENSATE, PETRO CHEMICAL FEEDSTOCKS, SPECIAL NAPHTHAS, PETROLEUM COKE (NOT CONSUMED IN ELECTRIC UTILITIES), STILL GAS, WAX, AND MISCELLANEOUS PRODUCTS. THE "(INCLUDING ELECTRICITY GENERATION)" CATEGORY INCLUDES PETROLEUM COKE FUEL EXPENDITURES FOR ELECTRIC UTILITIES.
NOTE: EXCLUDES NET IMPORTS OF COAL COKE; THEREFORE, THE SUM OF ALL STATES WILL NOT EQUAL TOTAL U.S.
SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 86. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Nebraska (Million Dollars)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
TOTAL ENERGY	167.67	179.55	189.85	201.14	215.26	251.10	287.98	284.69	346.20	421.28	466.41
OTHER COAL	.13	.32	.39	.24	.19	.23	.21	.37	.71	1.32	.45
NATURAL GAS (DRY)	50.99	54.66	60.56	53.23	57.55	70.72	76.97	56.24	96.57	126.32	139.78
TOTAL PETROLEUM	29.61	28.69	32.60	47.84	46.43	50.03	60.70	59.00	51.65	86.84	89.57
DISTILLATE FUEL	1.29	1.36	1.54	1.64	2.49	2.57	4.13	4.17	4.99	12.82	14.29
KEROSENE	2.98	3.55	4.21	5.27	6.14	5.78	7.37	7.42	6.04	.75	.43
LPG	25.34	23.78	26.85	40.93	37.80	41.68	49.19	47.42	40.62	73.27	74.85
ELECTRICITY	86.93	95.88	96.30	99.83	111.09	130.12	150.10	169.09	197.27	206.80	236.62
COMMERCIAL SECTOR											
TOTAL ENERGY	89.83	100.57	102.80	111.52	124.44	143.67	181.25	205.32	210.96	258.99	284.55
OTHER COAL	.17	.19	.22	.12	.10	.09	.13	.23	.55	1.05	.39
NATURAL GAS (DRY)	25.43	28.52	27.04	29.76	35.08	43.98	57.63	66.88	63.80	89.31	103.75
TOTAL PETROLEUM	6.74	7.28	7.65	8.15	12.60	13.40	18.08	18.53	18.76	26.86	25.72
DISTILLATE FUEL	1.18	1.24	1.40	1.51	2.40	2.46	3.95	3.99	4.75	12.66	6.91
KEROSENE	.33	.41	.49	.59	.89	.98	1.20	1.12	.94	.14	.73
LPG	2.86	2.97	3.07	3.02	4.87	5.12	5.64	5.82	6.23	7.02	9.86
MOTOR GASOLINE	1.74	1.79	1.88	2.03	2.67	3.00	3.35	3.60	3.94	5.31	7.63
RESIDUAL FUEL	.64	.87	.81	.99	1.77	1.83	3.95	4.00	2.90	1.74	.59
ELECTRICITY	57.49	64.58	67.88	73.49	76.66	86.20	105.41	119.68	127.86	141.77	154.69
INDUSTRIAL SECTOR											
TOTAL ENERGY	97.13	105.46	110.61	118.31	192.39	238.90	302.10	314.05	349.02	410.14	519.62
METALLURGICAL COAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER COAL	1.64	1.65	1.68	2.52	3.67	4.27	10.99	12.02	21.01	14.60	8.89
NATURAL GAS (DRY)	18.36	21.11	28.02	32.15	39.12	51.54	56.13	63.50	58.51	65.07	120.43
TOTAL PETROLEUM	52.04	55.91	53.89	52.48	112.17	128.70	164.43	164.39	184.77	231.80	276.31
ASPHALT	4.96	5.46	4.60	4.58	10.86	9.95	7.60	13.42	19.87	14.00	18.55
DISTILLATE FUEL	14.00	15.14	16.00	18.62	34.62	41.27	60.95	55.04	71.36	106.82	115.08
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KEROSENE	.58	.68	.66	.81	1.49	1.53	1.82	1.71	1.91	.71	1.07
LPG	3.96	4.36	5.31	6.60	14.52	18.02	27.43	29.96	25.03	28.20	39.64
LUBRICANTS	5.86	4.63	5.01	7.22	9.86	10.95	12.14	2.45	2.68	3.52	3.66
MOTOR GASOLINE	20.97	23.63	19.54	11.84	36.12	41.14	42.69	45.35	46.58	59.18	75.51
RESIDUAL FUEL	.36	.46	.62	.69	1.07	1.54	2.04	2.64	1.83	.57	.67
ROAD OIL	.37	.67	.48	.55	.70	.39	.12	1.54	3.59	.00	.01
OTHER PETROLEUM PRODUCTS	.98	.88	1.67	1.57	2.92	3.91	9.64	12.28	11.92	18.79	22.12
ELECTRICITY	25.10	26.79	27.03	31.16	37.44	54.39	70.55	74.14	84.73	98.67	114.00
TRANSPORTATION SECTOR											
TOTAL ENERGY	321.78	329.16	357.44	411.26	529.45	584.03	660.69	733.07	789.37	975.77	1,216.25
OTHER COAL	*	*	*	*	*	*	*	*	.00	.00	.00
NATURAL GAS (DRY)	2.09	2.23	2.38	2.58	2.83	3.47	4.46	7.19	6.62	7.94	9.98
TOTAL PETROLEUM	319.63	326.86	355.02	408.63	526.56	580.48	656.04	725.69	782.59	967.63	1,205.61
AVIATION GASOLINE	3.77	3.66	2.46	3.52	4.90	4.42	4.50	6.26	7.36	8.87	14.52
DISTILLATE FUEL	24.15	25.22	31.75	43.81	67.51	64.96	82.19	112.96	132.30	173.41	207.31
JET FUEL	7.38	7.86	7.46	8.62	16.11	19.56	22.10	27.16	31.91	43.64	54.55
LPG	.40	.42	.42	.48	.95	.84	1.01	.86	.84	.95	1.33
LUBRICANTS	11.66	11.39	12.32	12.51	17.07	16.95	18.79	20.70	22.64	29.71	30.90
MOTOR GASOLINE	271.68	277.60	299.92	338.91	418.75	472.16	527.02	557.36	587.48	710.83	896.99
RESIDUAL FUEL	.60	.71	.70	.79	1.27	1.59	.44	.38	.06	.22	.00
ELECTRICITY	.06	.06	.03	.05	.06	.08	.19	.19	.16	.20	.67
ELECTRIC UTILITIES											
TOTAL ENERGY	22.75	25.48	33.34	41.46	58.37	76.18	87.27	99.29	98.09	145.65	154.59
OTHER COAL	8.46	8.76	12.16	14.01	18.98	25.77	42.99	56.07	53.61	74.08	103.11
NATURAL GAS (DRY)	13.12	15.66	18.53	23.05	23.96	24.30	16.32	15.55	14.75	20.95	22.27
TOTAL PETROLEUM	1.17	1.05	2.66	3.29	8.44	10.79	15.04	11.73	13.11	17.81	7.34
DISTILLATE FUEL	.57	.67	1.94	2.81	3.39	3.91	2.67	3.77	2.19	11.17	6.81
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PETROLEUM COKE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RESIDUAL FUEL	.59	.38	.71	.48	5.05	6.88	12.37	7.96	10.92	6.63	.53
NUCLEAR POWER	.00	.00	.00	1.11	6.99	15.32	12.93	15.95	16.61	32.81	21.86
WOOD AND WASTE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

* LESS THAN .005.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE TO THE INDUSTRIAL SECTOR BY STATE.

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE EXPENDITURES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL SINCE THERE ARE NO ASSOCIATED FUEL COSTS FOR THESE ENERGY SOURCES.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MEXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: COAL INCLUDES ANTHRACITE, BITUMINOUS, AND LIGNITE EXCEPT IN THE TRANSPORTATION SECTOR WHICH DOES NOT CONSUME ANTHRACITE.

NOTE: RESIDENTIAL, COMMERCIAL, INDUSTRIAL, AND TRANSPORTATION EXPENDITURES EXCLUDE ENERGY EXPENDITURES FOR WOOD AND WOOD WASTE.

NOTE: EXPENDITURES ON NET IMPORTS OF COAL COKE ARE NOT DISTRIBUTED BY STATE; THEREFORE, THE SUM OF THE TOTAL EXPENDITURES BY STATE WILL NOT EQUAL THE TOTAL U.S. EXPENDITURE.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, THE ENERGY, PRICE, AND EXPENDITURES DATA SYSTEM (EPEDS)

Table 87. Average Annual Fuel Prices by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Nebraska (Dollars per Million Btu)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
ALL FUELS	1.8141	1.9460	1.9947	2.3903	2.6632	2.9285	3.2779	3.3740	4.2704	4.8090	5.6731
OTHER COAL	.3840	1.0018	.9806	1.1590	1.5200	2.7954	2.2230	2.5650	3.4200	2.5227	2.6004
NATURAL GAS	.8484	.9192	.9831	1.0358	1.1376	1.2887	1.3743	1.0431	1.9723	2.3183	2.7907
TOTAL PETROLEUM	1.6478	1.6132	1.6930	2.7477	3.1549	3.3878	3.8813	4.2934	3.7831	5.9349	6.8285
DISTILLATE FUEL	1.1307	1.2325	1.2401	1.3821	2.4269	2.6136	2.8566	3.2184	3.3005	4.9125	6.8533
KEROSENE	1.3880	1.3909	1.3979	1.7350	2.6342	2.7416	3.0355	3.4795	3.6979	5.0954	7.5582
LPG	1.7261	1.6831	1.7897	3.1043	3.3275	3.5697	4.1819	4.5967	3.8657	6.1700	6.8200
ELECTRICITY	6.2033	6.5222	6.9152	6.5953	7.2154	8.1254	9.3158	10.1989	10.8127	11.5160	12.5608
COMMERCIAL SECTOR											
ALL FUELS	1.3410	1.4777	1.5445	1.8810	2.0032	2.3300	2.6099	3.0418	3.4555	3.9812	4.5490
OTHER COAL	.2627	.3227	.2998	.3067	.4368	.6032	.7685	.8831	1.4248	1.0806	1.2129
NATURAL GAS	.5267	.5852	.5784	.7541	.8100	1.0000	1.1610	1.3968	1.5414	2.0164	2.3369
TOTAL PETROLEUM	1.0806	1.2142	1.1942	1.3481	2.2404	2.6216	2.7058	3.1304	3.2263	4.3556	6.3814
DISTILLATE FUEL	1.0283	1.1166	1.1221	1.2679	2.3238	2.4890	2.7162	3.0647	3.1320	4.8310	6.5895
KEROSENE	.7874	.8421	.8421	1.0038	1.9820	2.4285	2.5723	2.7250	2.9985	4.8126	6.0917
LPG	1.1022	1.1933	1.1614	1.3002	2.4315	2.4866	2.7155	3.1974	3.3586	3.3486	5.0934
MOTOR GASOLINE	3.0251	2.9993	2.9966	3.2059	4.2670	4.7630	5.0552	5.2923	5.5020	7.2076	9.7689
RESIDUAL FUEL	.4227	.6620	.6219	.7584	1.1694	1.7810	1.9505	2.3438	2.0505	2.5347	4.0556
ELECTRICITY	4.8581	5.0694	5.3592	5.4889	5.9169	6.9398	8.1373	8.9084	9.4972	10.4081	11.2056
INDUSTRIAL SECTOR											
ALL FUELS	.8613	.9363	.9763	.9136	1.4312	1.7446	2.0488	2.2163	2.5053	2.9339	4.3697
METALLURGICAL COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
OTHER COAL	.2627	.3227	.2998	.3067	.4368	.6032	.7685	.8831	1.4248	1.0806	1.2129
NATURAL GAS	.3155	.3613	.4804	.4328	.5341	.6850	.8484	1.0209	1.1006	1.2306	2.2642
TOTAL PETROLEUM	1.2681	1.3434	1.2773	1.3414	2.5555	2.9450	2.9951	3.0663	3.1590	3.8966	6.2478
ASPHALT	.6948	.8157	.8505	.8625	1.7722	2.0656	2.0386	2.0387	2.1967	2.5817	3.8928
DISTILLATE FUEL	.7352	.7863	.7863	.9372	1.8507	2.2455	2.3931	2.5270	2.7554	3.3441	5.8191
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
KEROSENE	.7874	.8421	.8421	1.0038	1.9820	2.4285	2.5723	2.7250	2.9985	4.8126	6.0917
LPG	1.1022	1.1933	1.1614	1.3002	2.4315	2.4866	2.7155	3.1974	3.3586	3.3486	5.0934
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	3.0251	2.9993	2.9966	3.2059	4.2670	4.7630	5.0552	5.2923	5.5020	7.2076	9.7689
RESIDUAL FUEL	.4134	.6474	.6082	.7417	1.1436	1.7417	1.9294	2.2745	2.0312	2.2769	3.6534
ROAD OIL	.9092	.9783	.9740	.9859	2.0510	2.0886	2.1708	2.1758	2.2212	.0000	4.5696
OTHER PETROLEUM PRODUCTS	.7282	.7576	.7551	.9355	2.0341	2.2361	2.3887	2.6898	2.8327	3.9074	6.2121
ELECTRICITY	3.4291	3.5794	3.7689	3.9536	4.2108	4.9814	5.8377	6.0382	6.5627	7.0899	8.0413
TRANSPORTATION SECTOR											
ALL FUELS	2.3210	2.3193	2.3143	2.5421	3.4949	5.9314	4.2077	4.3922	4.6254	6.2964	8.6863
OTHER COAL	.2627	.3227	.2998	.3067	.4368	.6032	.7685	.8831	.0000	.0000	.0000
NATURAL GAS	.1545	.1635	.1765	.1861	.2395	.3260	.4207	.5761	.7276	1.1099	1.3883
TOTAL PETROLEUM	2.5556	2.5486	2.5187	2.7631	3.7702	4.2094	4.4820	4.7007	4.8448	6.5479	9.0800
AVIATION GASOLINE	3.4553	3.5236	3.4986	3.7615	5.2408	5.6360	5.8299	6.4522	7.0471	9.4017	13.8114
DISTILLATE FUEL	1.1341	1.1455	1.1431	1.5043	2.4311	2.4755	2.7640	3.1266	3.2335	4.9035	6.9947
JET FUEL	.8052	.8459	.8430	1.0000	1.7237	2.2481	2.4552	2.8820	3.1130	4.3186	6.9102
LPG	1.1022	1.1933	1.1614	1.3002	2.4315	2.4866	2.7155	3.1974	3.3586	3.3486	5.0934
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	3.0251	2.9993	2.9966	3.2059	4.2670	4.7630	5.0552	5.2923	5.5020	7.2076	9.7689
RESIDUAL FUEL	.4227	.6620	.6219	.7584	1.1694	1.7810	1.9505	2.3438	2.0505	2.5347	.0000
ELECTRICITY	3.2239	3.7124	3.7124	3.1420	3.1820	4.0055	4.4307	4.5750	4.5750	4.7510	11.3130
ELECTRIC UTILITIES											
ALL FUELS	.3026	.3463	.4088	.4345	.4674	.5572	.6486	.6587	.6377	.8169	.9455
OTHER COAL	.3520	.4030	.4300	.4649	.7273	.9624	1.0260	1.1557	1.1012	1.1161	1.1659
NATURAL GAS	.2672	.3111	.3671	.4158	.4879	.6277	.8130	.9672	1.1109	1.4462	1.8179
TOTAL PETROLEUM	.5712	.7135	.9475	.9921	1.6592	1.7728	1.8231	1.9853	1.7922	3.3548	5.8049
DISTILLATE FUEL	.6992	.8276	1.0624	1.0906	1.6532	1.8456	2.2579	2.5796	2.7456	4.7486	6.1897
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
PETROLEUM COKE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
RESIDUAL FUEL	.4850	.5725	.7319	.6501	1.6633	1.7339	1.7504	1.7899	1.6755	2.2448	3.2135
NUCLEAR POWER	.0000	.0000	.0000	.1697	.1568	.2352	.2009	.1987	.1965	.3562	.3553
WOOD AND WASTE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE PRICES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: THE FOLLOWING FUEL SECTOR PRICES HAVE BEEN SUBSTITUTED (SEE THE DOCUMENTATION FOR THE DETAILS), COAL COMMERCIAL = COAL INDUSTRIAL, KEROSENE COMMERCIAL = KEROSENE INDUSTRIAL, LPG COMMERCIAL = LPG INDUSTRIAL, MOTOR GASOLINE COMMERCIAL = MOTOR GASOLINE TRANSPORTATION; JET FUEL INDUSTRIAL = JET FUEL TRANSPORTATION, MOTOR GASOLINE INDUSTRIAL = MOTOR GASOLINE TRANSPORTATION, OTHER PETROLEUM PRODUCTS INDUSTRIAL = DISTILLATE INDUSTRIAL UNITED STATES; COAL TRANSPORTATION = COAL INDUSTRIAL, LPG TRANSPORTATION = LPG INDUSTRIAL, LUBRICANTS TRANSPORTATION = LUBRICANTS INDUSTRIAL.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 88. Fuel Expenditures and Electricity Sales by Fuel Type, 1970-1980: Nevada (Million Dollars)

ENERGY EXPENDITURES ALL SECTORS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
COAL											
METALLURGICAL COAL	0	0	0	0	0	0	0	0	0	0	0
OTHER COAL	2	2	2	2	3	2	4	5	3	3	5
(INCLUDING ELECTRICITY GENERATION)	6	12	26	26	30	32	45	54	56	95	99
TOTAL COAL	2	2	2	2	3	2	4	5	3	3	5
(INCLUDING ELECTRICITY GENERATION)	6	12	26	26	30	32	45	54	56	95	99
NATURAL GAS											
TOTAL NATURAL GAS	23	25	28	32	38	54	69	86	99	120	112
(INCLUDING ELECTRICITY GENERATION)	33	42	46	53	60	82	106	145	135	215	185
PETROLEUM PRODUCTS											
ASPHALT AND ROAD OIL	2	3	5	6	12	10	8	8	10	13	15
AVIATION GASOLINE	5	4	4	4	6	6	5	6	7	10	14
DISTILLATE FUEL OIL	21	23	21	29	37	39	45	54	72	86	162
(INCLUDING ELECTRICITY GENERATION)	21	23	22	30	39	41	45	55	72	87	164
JET FUEL	18	20	22	28	48	66	81	99	113	170	268
(INCLUDING ELECTRICITY GENERATION)	18	20	22	28	48	66	81	99	113	170	268
KEROSENE	*	*	*	*	*	*	*	1	1	*	0
LIQUEFIED PETROLEUM GASES	6	9	8	9	9	7	6	8	7	10	11
LUBRICANTS	4	4	4	5	6	7	8	6	7	9	10
MOTOR GASOLINE	119	123	139	158	206	240	249	285	335	436	582
RESIDUAL FUEL	*	*	1	1	1	1	2	1	1	*	*
(INCLUDING ELECTRICITY GENERATION)	*	1	1	4	8	18	8	20	35	26	56
ALL OTHER PETROLEUM PRODUCTS	*	*	*	*	*	1	6	8	8	12	28
(INCLUDING ELECTRICITY GENERATION)	*	*	*	*	*	1	6	8	8	12	28
TOTAL PETROLEUM	174	186	204	239	326	378	409	477	560	746	1,091
(INCLUDING ELECTRICITY GENERATION)	174	187	204	244	335	396	416	497	595	773	1,150
NUCLEAR POWER, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
WOOD AND WASTE, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
ELECTRICITY SALES	75	83	99	115	149	178	215	253	302	365	477
TOTAL (INCLUDING ELECTRICITY SALES, EXCLUDING ELECTRICITY GENERATION)	274	297	332	387	516	612	697	821	964	1,234	1,684
TOTAL (EXCLUDING ELECTRICITY SALES, INCLUDING ELECTRICITY GENERATION)	214	241	276	322	425	510	567	695	786	1,082	1,434

* LESS THAN .5.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: THERE ARE NO PURCHASED FUEL EXPENDITURES FOR ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: DATA FOR 1980 DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.

NOTE: THE "ALL OTHER PETROLEUM PRODUCTS" CATEGORY INCLUDES NATURAL GASOLINE, UNFRACTIONATED STREAM, PLANT CONDENSATE, PETRO CHEMICAL FEEDSTOCKS, SPECIAL NAPHTHAS, PETROLEUM COKE (NOT CONSUMED IN ELECTRIC UTILITIES), STILL GAS, WAX, AND MISCELLANEOUS PRODUCTS. THE "(INCLUDING ELECTRICITY GENERATION)" CATEGORY INCLUDES PETROLEUM COKE FUEL EXPENDITURES FOR ELECTRIC UTILITIES.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE; THEREFORE, THE SUM OF ALL STATES WILL NOT EQUAL TOTAL U.S.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 89. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Nevada (Million Dollars)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
TOTAL ENERGY	48.21	58.03	63.24	70.21	84.51	102.71	116.52	144.58	167.73	195.67	255.48
OTHER COAL	.20	.24	.01	.01	.04	.12	.31	1.42	.12	.18	.17
NATURAL GAS (DRY)	10.54	11.65	13.09	13.30	15.50	20.67	20.84	30.17	32.60	37.57	51.75
TOTAL PETROLEUM	7.24	11.63	10.03	11.48	11.36	9.88	9.78	12.15	12.48	13.32	16.64
DISTILLATE FUEL	2.06	3.20	2.83	3.60	3.52	4.27	4.50	5.39	7.11	5.46	7.24
KEROSENE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LPG	5.18	8.43	7.19	7.88	7.84	5.61	5.27	6.76	5.37	7.86	9.39
ELECTRICITY	30.23	34.51	40.12	45.41	57.62	72.04	85.60	100.84	122.53	144.60	186.92
COMMERCIAL SECTOR											
TOTAL ENERGY	43.07	48.21	56.07	63.83	78.22	105.02	115.72	132.09	164.36	147.36	147.80
OTHER COAL	.55	.23	.01	.01	.04	.11	.19	.78	.07	.08	.08
NATURAL GAS (DRY)	7.02	8.20	9.69	10.96	14.29	22.14	31.16	37.23	47.39	55.18	38.17
TOTAL PETROLEUM	2.32	3.08	2.97	3.50	4.51	4.80	4.66	5.36	6.18	5.76	17.51
DISTILLATE FUEL	.94	1.46	1.29	1.65	1.66	1.99	2.12	2.54	3.35	2.64	13.31
KEROSENE	.06	.04	.04	.05	.19	.17	.30	.44	.52	.16	.00
LPG	.44	.46	.37	.42	.61	.46	.46	.62	.49	.76	.83
MOTOR GASOLINE	.79	.88	.91	1.05	1.36	1.72	1.27	1.44	1.51	2.18	3.16
RESIDUAL FUEL	.09	.23	.37	.33	.70	.46	.50	.32	.31	.02	.21
ELECTRICITY	33.18	36.70	43.40	49.37	59.39	77.97	79.71	88.71	110.72	86.34	92.04
INDUSTRIAL SECTOR											
TOTAL ENERGY	29.65	33.06	37.58	46.21	68.01	67.27	101.88	122.10	133.10	217.35	300.73
METALLURGICAL COAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER COAL	.87	1.38	1.91	1.60	2.72	1.47	3.08	3.14	2.34	3.23	4.64
NATURAL GAS (DRY)	5.59	5.54	5.21	7.84	7.83	10.89	17.24	18.32	19.42	27.51	21.15
TOTAL PETROLEUM	11.19	13.89	15.33	16.58	25.53	26.47	31.40	37.59	43.00	52.58	77.13
ASPHALT	1.98	2.89	4.04	4.51	9.85	8.49	6.51	7.26	8.39	11.96	13.68
DISTILLATE FUEL	4.70	6.65	6.50	7.44	8.18	9.37	10.95	14.86	19.36	19.20	24.65
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KEROSENE	.03	.04	.02	.02	.16	.25	.15	.39	.43	.00	.00
LPG	.42	.42	.36	.39	.88	.95	.70	.63	.70	1.10	1.19
LUBRICANTS	.82	.77	.84	.89	1.22	1.49	1.65	1.49	1.63	2.14	2.23
MOTOR GASOLINE	2.68	2.34	2.50	1.90	2.52	2.86	3.24	3.22	3.13	5.14	5.77
RESIDUAL FUEL	.10	.23	.36	.33	.72	.58	.97	.82	.51	.02	.03
ROAD OIL	.39	.47	.67	1.03	1.85	1.68	1.10	.70	1.18	1.03	1.35
OTHER PETROLEUM PRODUCTS	.06	.07	.06	.07	.16	.80	6.14	8.22	7.67	11.99	28.22
ELECTRICITY	11.99	12.26	15.14	20.19	31.93	28.45	50.16	63.05	68.34	134.03	197.81
TRANSPORTATION SECTOR											
TOTAL ENERGY	153.32	157.88	175.39	207.25	284.88	336.74	363.17	422.24	498.50	674.09	980.27
OTHER COAL	*	*	*	*	*	*	*	*	.00	.00	.00
NATURAL GAS (DRY)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.54
TOTAL PETROLEUM	153.32	157.88	175.39	207.25	284.88	336.74	363.17	422.24	498.50	674.09	979.74
AVIATION GASOLINE	4.58	4.21	3.97	4.08	5.83	6.13	5.14	6.37	7.47	9.90	14.50
DISTILLATE FUEL	12.88	11.81	10.82	16.47	24.05	23.85	27.04	31.31	42.30	58.31	116.40
JET FUEL	17.54	19.58	21.79	27.96	47.88	66.21	80.63	98.99	113.23	169.85	267.86
LPG	.02	.02	.01	.02	.04	.04	.04	.04	.02	-.03	.03
LUBRICANTS	3.03	2.96	3.20	3.69	5.04	5.30	5.88	4.96	5.43	7.12	7.41
MOTOR GASOLINE	115.27	119.30	135.57	155.00	202.00	235.16	244.39	280.50	330.02	428.88	573.54
RESIDUAL FUEL	*	.00	.02	.03	.05	.05	.06	.06	.04	.00	.00
ELECTRICITY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRIC UTILITIES											
TOTAL ENERGY	14.70	27.46	42.32	49.79	58.64	77.20	85.41	126.90	123.55	212.55	226.87
OTHER COAL	4.26	10.19	23.89	24.05	27.41	30.59	41.48	48.87	53.86	91.36	94.18
NATURAL GAS (DRY)	10.08	16.36	17.90	20.91	22.39	28.24	36.53	58.79	35.22	94.32	73.79
TOTAL PETROLEUM	.36	.91	.53	4.83	8.84	18.37	7.39	19.24	34.47	26.88	58.90
DISTILLATE FUEL	.06	.07	.15	1.33	1.82	1.28	.72	.76	.19	1.01	2.70
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PETROLEUM COKE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RESIDUAL FUEL	.31	.84	.38	3.50	7.02	17.08	6.68	18.48	34.27	25.87	56.20
NUCLEAR POWER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WOOD AND WASTE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

* LESS THAN .005.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE TO THE INDUSTRIAL SECTOR BY STATE.

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE EXPENDITURES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL SINCE THERE ARE NO ASSOCIATED FUEL COSTS FOR THESE ENERGY SOURCES.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MEXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: COAL INCLUDES ANTHRACITE, BITUMINOUS, AND LIGNITE EXCEPT IN THE TRANSPORTATION SECTOR WHICH DOES NOT CONSUME ANTHRACITE.

NOTE: RESIDENTIAL, COMMERCIAL, INDUSTRIAL, AND TRANSPORTATION EXPENDITURES EXCLUDE ENERGY EXPENDITURES FOR WOOD AND WOOD WASTE.

NOTE: EXPENDITURES ON NET IMPORTS OF COAL COKE ARE NOT DISTRIBUTED BY STATE; THEREFORE, THE SUM OF THE TOTAL EXPENDITURES BY STATE WILL NOT EQUAL THE TOTAL U.S. EXPENDITURE.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, THE ENERGY, PRICE, AND EXPENDITURES DATA SYSTEM (EPEDS)

Table 90. Average Annual Fuel Prices by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Nevada (Dollars per Million Btu)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
ALL FUELS	2.5219	2.7273	2.8555	3.0632	3.7822	4.3474	5.0356	5.8652	6.2698	6.8290	9.0448
OTHER COAL	.3353	.8846	.8259	.7980	1.5200	1.7765	2.8120	3.3300	3.4200	4.1127	4.4490
NATURAL GAS	1.4084	1.4131	1.4085	1.4414	1.6120	1.8275	1.9164	2.6520	2.7239	2.7932	3.8340
TOTAL PETROLEUM	1.7016	2.2863	2.2262	2.6489	3.6034	3.6851	3.7411	4.2250	3.8343	5.7756	7.9377
DISTILLATE FUEL	1.0772	1.1687	1.1970	1.4953	2.5737	2.8382	3.0276	3.1147	3.1111	4.5060	6.6835
KEROSENE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
LPG	2.2099	3.5868	3.3672	4.0911	4.3928	4.7692	4.6838	5.9050	5.5400	7.1800	9.2800
ELECTRICITY	4.4537	4.4947	4.8107	4.8591	6.0304	7.5318	8.9693	10.1130	10.6595	11.2504	14.8186
COMMERCIAL SECTOR											
ALL FUELS	2.1644	2.2142	2.3502	2.5788	3.0706	3.9253	3.9696	4.5983	5.1201	5.1522	7.7280
OTHER COAL	.5030	.4648	.4738	.4486	.8063	.8507	.9338	.9893	1.0866	1.2330	1.3500
NATURAL GAS	.7065	.7221	.7397	.8176	.9911	1.4503	1.6629	2.0955	2.3394	2.7600	3.6520
TOTAL PETROLEUM	1.2579	1.2971	1.2504	1.5555	2.6144	3.0111	2.9896	3.3153	3.3043	5.1201	6.7668
DISTILLATE FUEL	1.0094	1.0873	1.1120	1.4010	2.4724	2.6960	2.9007	2.9874	2.9866	4.4379	6.5122
KEROSENE	1.0230	1.0516	1.0649	1.4185	2.3824	2.5191	2.6719	2.9870	3.2590	4.8160	.0000
LPG	1.0558	1.1151	.9780	1.2319	1.9524	2.2321	2.3316	3.0918	2.8641	3.9501	4.6241
MOTOR GASOLINE	3.0656	3.0209	3.1146	3.3412	4.3774	4.7374	4.7369	5.1180	5.4461	7.3303	9.8787
RESIDUAL FUEL	.4871	.8132	.7125	.8657	1.9778	2.1005	2.0318	2.3271	2.2051	2.7834	4.6833
ELECTRICITY	4.7213	4.8647	5.1882	5.4371	6.3946	7.9812	9.2120	10.3781	11.1753	11.6420	15.2688
INDUSTRIAL SECTOR											
ALL FUELS	1.0357	1.0585	1.1655	1.3385	2.0945	2.2305	2.7068	3.3798	3.5240	5.0361	7.2986
METALLURGICAL COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
OTHER COAL	.5030	.4648	.4738	.4486	.8063	.8507	.9338	.9893	1.0866	1.2330	1.3500
NATURAL GAS	.5252	.5364	.6608	.7432	.8247	1.0628	1.3390	1.8760	1.7316	2.2989	2.8087
TOTAL PETROLEUM	1.0490	1.1074	1.0873	1.2286	2.1017	2.3034	2.3637	2.6202	2.7784	3.8675	5.7584
ASPHALT	.5729	.8219	.8224	.8423	1.6804	1.8139	1.6271	1.7526	1.9202	2.4673	3.6512
DISTILLATE FUEL	.9619	.9888	1.0013	1.3338	2.2403	2.3372	2.5025	2.8104	3.0043	4.6831	6.5305
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
KEROSENE	1.0230	1.0516	1.0649	1.4185	2.3824	2.5191	2.6719	2.9870	3.2590	.0000	.0000
LPG	1.0558	1.1151	.9780	1.2319	1.9524	2.2321	2.3316	3.0918	2.8641	3.9501	4.6241
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	3.0656	3.0209	3.1146	3.3412	4.3774	4.7374	4.7369	5.1180	5.4461	7.3303	9.8787
RESIDUAL FUEL	.4763	.7953	.6967	.8466	1.9341	2.0541	2.0098	2.2583	2.1844	2.5003	4.2188
ROAD OIL	.6615	.7894	.8538	.9775	1.9476	1.9260	1.7125	1.8257	1.9431	2.4371	4.1150
OTHER PETROLEUM PRODUCTS	.7282	.7576	.7551	.9355	2.0341	2.2361	2.3887	2.6898	2.8327	3.9074	6.2121
ELECTRICITY	2.1497	2.2682	2.4262	2.9215	4.2833	4.2457	6.1334	7.1297	7.6565	8.9481	11.7454
TRANSPORTATION SECTOR											
ALL FUELS	2.1864	2.1918	2.2432	2.4240	3.3782	3.7815	3.8231	4.1895	4.4688	6.0411	8.5511
OTHER COAL	.5030	.4648	.4738	.4486	.8063	.8507	.9338	.9893	.0000	.0000	.0000
NATURAL GAS	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	3.0770
TOTAL PETROLEUM	2.1864	2.1919	2.2433	2.4240	3.3782	3.7815	3.8231	4.1895	4.4688	6.0411	8.5594
AVIATION GASOLINE	3.4553	3.5236	3.4986	3.7615	5.2408	5.6360	5.8299	6.4522	7.0471	9.9009	13.0626
DISTILLATE FUEL	1.4829	1.5791	1.5751	1.8010	2.8571	2.9818	3.0355	3.2547	3.4286	4.9309	7.2906
JET FUEL	.7978	.8385	.8356	.9911	1.7089	2.2289	2.4481	2.8428	3.0613	4.2809	6.9007
LPG	1.0558	1.1151	.9780	1.2319	1.9524	2.2321	2.3316	3.0918	2.8641	3.9501	4.6241
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	3.0656	3.0209	3.1146	3.3412	4.3774	4.7374	4.7369	5.1180	5.4461	7.3303	9.8787
RESIDUAL FUEL	.4691	.0000	.6970	.8289	1.8520	1.4622	1.8806	2.0218	1.9753	.0000	.0000
ELECTRICITY	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
ELECTRIC UTILITIES											
ALL FUELS	.3616	.3776	.3464	.3768	.4409	.5751	.6226	.8210	.9601	1.4378	1.6884
OTHER COAL	.3050	.3100	.2970	.2776	.2819	.3081	.3846	.4370	.6039	.9441	1.0496
NATURAL GAS	.3860	.4234	.4353	.5037	.7137	1.0943	1.4225	1.7383	1.5661	2.2903	2.5911
TOTAL PETROLEUM	.6227	.7515	.8666	1.2129	2.0085	2.0099	2.0344	2.1579	2.0266	2.7205	3.6441
DISTILLATE FUEL	.7713	.9526	1.0488	1.4243	2.2476	2.4716	2.2830	2.5244	2.5697	4.9617	5.5835
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
PETROLEUM COKE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
RESIDUAL FUEL	.6006	.7392	.8126	1.1483	1.9546	1.9821	2.0109	2.1450	2.0242	2.6733	3.5843
NUCLEAR POWER	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
WOOD AND WASTE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE PRICES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: THE FOLLOWING FUEL SECTOR PRICES HAVE BEEN SUBSTITUTED (SEE THE DOCUMENTATION FOR THE DETAILS), COAL COMMERCIAL = COAL INDUSTRIAL, KEROSENE COMMERCIAL = KEROSENE INDUSTRIAL, LPG COMMERCIAL = LPG INDUSTRIAL, MOTOR GASOLINE COMMERCIAL = MOTOR GASOLINE TRANSPORTATION; JET FUEL INDUSTRIAL = JET FUEL TRANSPORTATION, MOTOR GASOLINE INDUSTRIAL = MOTOR GASOLINE TRANSPORTATION, OTHER PETROLEUM PRODUCTS INDUSTRIAL = DISTILLATE INDUSTRIAL UNITED STATES; COAL TRANSPORTATION = COAL INDUSTRIAL, LPG TRANSPORTATION = LPG INDUSTRIAL, LUBRICANTS TRANSPORTATION = LUBRICANTS INDUSTRIAL.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 91. Fuel Expenditures and Electricity Sales by Fuel Type, 1970-1980: New Hampshire (Million Dollars)

ENERGY EXPENDITURES ALL SECTORS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
COAL											
METALLURGICAL COAL	0	0	0	0	0	0	0	0	0	0	0
OTHER COAL	*	*	*	*	*	*	*	1	*	*	1
(INCLUDING ELECTRICITY GENERATION)	10	11	15	14	21	32	25	35	31	43	48
TOTAL COAL	*	*	*	*	*	*	*	1	*	*	1
(INCLUDING ELECTRICITY GENERATION)	10	11	15	14	21	32	25	35	31	43	48
NATURAL GAS											
TOTAL NATURAL GAS	11	12	14	14	16	17	19	25	26	29	38
(INCLUDING ELECTRICITY GENERATION)	11	12	14	14	16	17	19	25	26	29	38
PETROLEUM PRODUCTS											
ASPHALT AND ROAD OIL	3	4	4	5	6	6	7	6	7	8	7
AVIATION GASOLINE	2	2	2	2	2	2	2	2	2	3	4
DISTILLATE FUEL OIL	59	65	67	78	115	114	151	160	174	160	233
(INCLUDING ELECTRICITY GENERATION)	59	66	68	79	116	115	152	161	174	160	233
JET FUEL	4	4	4	4	8	10	10	13	14	19	32
(INCLUDING ELECTRICITY GENERATION)	4	4	4	5	8	10	10	13	14	19	32
KEROSENE	7	7	6	5	8	8	10	9	9	7	16
LIQUEFIED PETROLEUM GASES	7	7	9	13	16	19	25	32	34	43	53
LUBRICANTS	3	3	3	3	4	4	4	5	5	7	7
MOTOR GASOLINE	124	138	143	157	212	223	248	273	290	367	490
RESIDUAL FUEL	8	13	15	17	27	28	34	40	30	26	34
(INCLUDING ELECTRICITY GENERATION)	14	19	21	24	54	56	66	78	68	104	132
ALL OTHER PETROLEUM PRODUCTS	*	1	1	1	3	4	5	6	7	14	13
(INCLUDING ELECTRICITY GENERATION)	*	1	1	1	3	4	5	6	7	14	13
TOTAL PETROLEUM	217	244	254	284	400	419	496	546	572	653	889
(INCLUDING ELECTRICITY GENERATION)	223	250	261	292	428	447	529	585	610	731	988
NUCLEAR POWER, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
WOOD AND WASTE, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
ELECTRICITY SALES	83	91	105	122	170	210	229	247	297	328	395
TOTAL (INCLUDING ELECTRICITY SALES, EXCLUDING ELECTRICITY GENERATION)	311	348	373	420	586	645	744	820	895	1,010	1,322
TOTAL (EXCLUDING ELECTRICITY SALES, INCLUDING ELECTRICITY GENERATION)	243	274	289	321	465	496	573	645	667	803	1,073

* LESS THAN .5.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: THERE ARE NO PURCHASED FUEL EXPENDITURES FOR ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: DATA FOR 1980 DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.

NOTE: THE "ALL OTHER PETROLEUM PRODUCTS" CATEGORY INCLUDES NATURAL GASOLINE, UNFRACTIONATED STREAM, PLANT CONDENSATE, PETRO CHEMICAL FEEDSTOCKS, SPECIAL NAPHTHAS, PETROLEUM COKE (NOT CONSUMED IN ELECTRIC UTILITIES), STILL GAS, WAX, AND MISCELLANEOUS PRODUCTS. THE "(INCLUDING ELECTRICITY GENERATION)" CATEGORY INCLUDES PETROLEUM COKE FUEL EXPENDITURES FOR ELECTRIC UTILITIES.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE; THEREFORE, THE SUM OF ALL STATES WILL NOT EQUAL TOTAL U.S.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 92. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: New Hampshire (Million Dollars)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
TOTAL ENERGY	110.08	121.15	131.99	150.16	204.82	226.04	268.42	286.92	320.72	321.14	387.05
OTHER COAL	.04	.05	.02	.03	.02	.02	.01	.02	.03	.01	.02
NATURAL GAS (DRY)	6.89	7.59	8.51	8.59	9.66	9.25	9.92	13.10	13.41	14.14	19.40
TOTAL PETROLEUM	61.44	67.50	69.80	79.97	110.35	112.42	144.52	153.08	166.31	155.89	190.71
DISTILLATE FUEL	50.27	56.09	57.80	65.53	92.93	93.04	123.49	129.25	140.23	120.95	145.01
KEROSENE	6.32	6.51	6.03	4.98	7.53	7.28	8.89	8.40	8.28	6.54	14.91
LPG	4.86	4.90	5.97	9.45	9.89	12.10	12.14	15.44	17.80	28.39	30.79
ELECTRICITY	41.71	46.00	53.65	61.57	84.79	104.35	113.97	120.71	140.97	151.10	176.91
COMMERCIAL SECTOR											
TOTAL ENERGY	29.36	33.18	36.82	41.54	53.85	62.94	72.10	80.34	92.66	100.31	162.15
OTHER COAL	.04	.05	.02	.02	.03	.02	.02	.02	.02	.01	.02
NATURAL GAS (DRY)	2.99	3.49	3.87	3.63	4.18	5.07	6.16	7.96	9.04	11.05	16.13
TOTAL PETROLEUM	5.55	6.26	6.54	7.44	11.32	11.75	15.54	16.41	17.90	16.45	59.35
DISTILLATE FUEL	4.06	4.54	4.66	5.50	8.38	8.41	11.23	11.85	12.70	11.44	39.03
KEROSENE	.11	.11	.10	.09	.22	.22	.25	.24	.24	.20	.34
LPG	.47	.52	.62	.59	.94	1.19	1.91	1.88	2.64	2.40	3.61
MOTOR GASOLINE	.71	.76	.78	.85	1.12	1.25	1.33	1.43	1.58	2.12	6.06
RESIDUAL FUEL	.20	.33	.37	.41	.66	.69	.83	1.01	.73	.29	10.31
ELECTRICITY	20.78	23.40	26.38	30.45	38.32	46.09	50.38	55.96	65.71	72.81	86.65
INDUSTRIAL SECTOR											
TOTAL ENERGY	37.67	45.81	51.71	59.81	96.46	113.70	133.22	152.37	161.56	161.95	218.66
METALLURGICAL COAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER COAL	.23	.34	.13	.12	.40	.24	.03	1.45	.08	.06	.57
NATURAL GAS (DRY)	.79	.97	1.12	1.63	1.76	2.21	3.08	3.82	3.15	3.84	2.28
TOTAL PETROLEUM	15.89	22.68	25.83	28.36	47.86	51.89	65.93	76.45	67.83	53.83	84.83
ASPHALT	2.52	3.04	3.46	4.13	6.01	5.86	6.68	6.19	7.14	7.73	6.72
DISTILLATE FUEL	2.05	2.44	2.44	2.92	6.01	6.00	7.07	7.82	8.09	6.79	19.71
JET FUEL	.00	.00	.00	.00	.00	.09	.04	.03	.00	.00	.00
KEROSENE	.19	.22	.24	.14	.31	.60	.71	.49	.53	.30	.34
LPG	1.51	1.79	2.49	2.60	4.72	6.04	11.06	14.28	13.49	12.24	18.41
LUBRICANTS	.63	.71	.77	.67	.91	1.24	1.37	1.39	1.52	1.99	2.07
MOTOR GASOLINE	.58	.55	.59	.46	.92	.73	.72	.69	.62	.62	1.40
RESIDUAL FUEL	7.94	12.83	14.69	16.11	26.06	27.16	33.06	39.33	29.16	10.55	23.03
ROAD OIL	.00	.55	.59	.61	.18	*	.01	.00	.00	.00	.00
OTHER PETROLEUM PRODUCTS	.46	.54	.56	.72	2.76	4.18	5.21	6.23	7.29	13.61	13.15
ELECTRICITY	20.77	21.82	24.63	29.71	46.44	59.35	64.18	70.64	90.49	104.21	130.99
TRANSPORTATION SECTOR											
TOTAL ENERGY	133.84	147.72	152.09	168.46	230.39	242.52	269.87	300.10	320.24	426.59	554.43
OTHER COAL	*	*	*	*	*	*	.00	*	.00	.00	.00
NATURAL GAS (DRY)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.13
TOTAL PETROLEUM	133.84	147.72	152.09	168.46	230.39	242.52	269.87	300.10	320.24	426.59	554.30
AVIATION GASOLINE	2.17	2.11	1.92	1.86	2.49	1.94	1.67	2.14	2.49	2.72	4.25
DISTILLATE FUEL	2.42	2.42	2.53	4.42	7.42	6.83	8.93	10.82	12.73	20.78	29.11
JET FUEL	3.96	4.28	4.02	4.38	7.64	9.50	10.32	12.53	13.64	18.79	32.11
LPG	.01	.01	.01	.01	.02	.02	.03	.04	.11	.10	.16
LUBRICANTS	2.01	2.06	2.23	2.20	3.00	2.73	3.02	3.57	3.91	5.13	5.34
MOTOR GASOLINE	123.12	136.73	141.25	155.51	209.57	221.41	245.84	271.00	287.35	363.98	482.30
RESIDUAL FUEL	.15	.11	.13	.08	.26	.09	.05	.00	.00	15.09	1.03
ELECTRICITY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRIC UTILITIES											
TOTAL ENERGY	15.56	17.22	21.04	22.47	49.24	60.60	58.10	72.21	68.65	121.51	145.62
OTHER COAL	9.66	11.01	14.56	14.32	20.42	32.08	24.90	33.02	30.46	42.74	47.10
NATURAL GAS (DRY)	.00	.09	.05	.08	.43	.18	.01	.00	.00	.09	.00
TOTAL PETROLEUM	5.91	6.13	6.43	8.07	28.38	28.33	33.18	39.19	38.19	78.68	98.52
DISTILLATE FUEL	.50	.53	.59	.44	.84	.37	1.04	1.14	.41	.47	.52
JET FUEL	.00	.00	.31	.24	.24	.17	.14	.10	.07	.10	.24
PETROLEUM COKE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RESIDUAL FUEL	5.41	5.60	5.53	7.38	27.30	27.79	32.01	37.95	37.70	78.12	97.76
NUCLEAR POWER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WOOD AND WASTE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

* LESS THAN .005.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE TO THE INDUSTRIAL SECTOR BY STATE.

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE EXPENDITURES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL SINCE THERE ARE NO ASSOCIATED FUEL COSTS FOR THESE ENERGY SOURCES.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MEXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: COAL INCLUDES ANTHRACITE, BITUMINOUS, AND LIGNITE EXCEPT IN THE TRANSPORTATION SECTOR WHICH DOES NOT CONSUME ANTHRACITE.

NOTE: RESIDENTIAL, COMMERCIAL, INDUSTRIAL, AND TRANSPORTATION EXPENDITURES EXCLUDE ENERGY EXPENDITURES FOR WOOD AND WOOD WASTE.

NOTE: EXPENDITURES ON NET IMPORTS OF COAL COKE ARE NOT DISTRIBUTED BY STATE; THEREFORE, THE SUM OF THE TOTAL EXPENDITURES BY STATE WILL NOT EQUAL THE TOTAL U.S. EXPENDITURE.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, THE ENERGY, PRICE, AND EXPENDITURES DATA SYSTEM (EPEDS)

Table 93. Average Annual Fuel Prices by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: New Hampshire (Dollars per Million Btu)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
ALL FUELS	2.2089	2.2971	2.4083	2.7938	4.0412	4.6627	4.6373	5.2558	5.7749	7.6859	10.1095
OTHER COAL	.4812	.8615	.5731	1.0539	.7853	1.0716	1.0564	1.7860	2.1950	1.4194	1.5209
NATURAL GAS	1.8191	1.8811	1.9608	1.9952	2.1836	2.4256	2.3762	3.3400	3.3456	3.7115	4.5715
TOTAL PETROLEUM	1.5010	1.5714	1.5897	1.8874	2.8295	3.0125	3.1570	3.5891	3.8449	5.2736	7.4583
DISTILLATE FUEL	1.4300	1.5113	1.5186	1.7429	2.7008	2.8679	3.0573	3.4325	3.6907	4.8927	7.1068
KEROSENE	1.5810	1.6639	1.6912	1.9440	3.0149	3.1614	3.3514	3.7550	4.0146	5.3412	8.1643
LPG	2.7169	2.5391	2.6169	4.2830	4.7223	4.7039	4.4416	5.5900	5.5675	7.8567	9.2200
ELECTRICITY	8.2819	8.0907	8.2343	8.7389	11.7314	14.2393	14.3905	15.0838	17.0660	17.9732	20.9241
COMMERCIAL SECTOR											
ALL FUELS	3.0751	3.2044	3.3969	3.9007	5.2972	6.1482	6.3869	7.1814	7.8348	9.3472	9.3080
OTHER COAL	.8451	1.0989	.9248	.9067	1.4832	1.7700	1.8042	1.8845	1.8991	1.8755	2.0739
NATURAL GAS	1.2866	1.3401	1.4651	1.5298	1.6941	1.8992	2.3564	3.0200	2.9683	3.2212	4.0469
TOTAL PETROLEUM	1.1554	1.2250	1.2311	1.4400	2.4206	2.5833	2.8164	3.1428	3.4145	4.5150	6.1516
DISTILLATE FUEL	1.1114	1.1768	1.1791	1.4080	2.3425	2.4944	2.6744	3.0285	3.2166	4.4536	6.4492
KEROSENE	.7437	.7898	.7878	.9972	2.3693	2.5471	2.5267	2.9203	3.1265	4.4510	6.6684
LPG	1.4827	1.5137	1.5469	1.5100	2.5393	2.6214	3.9543	3.8603	4.6831	3.7595	6.1192
MOTOR GASOLINE	2.9159	3.0637	3.0058	3.2039	4.3701	4.5369	4.7584	5.0418	5.2341	7.1330	9.9371
RESIDUAL FUEL	.4552	.6327	.6606	.8010	1.7387	1.8949	1.8042	2.2160	2.0906	3.0924	4.3955
ELECTRICITY	8.7723	8.9763	9.2449	9.8524	12.7644	15.3453	16.0076	16.8440	18.6044	19.9179	22.9508
INDUSTRIAL SECTOR											
ALL FUELS	1.1531	1.2288	1.2715	1.4983	2.9056	3.5095	3.4628	3.8440	4.6200	6.3313	8.4731
METALLURGICAL COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
OTHER COAL	.8451	1.0989	.9248	.9067	1.4832	1.7700	1.8042	1.8845	1.8991	1.8755	2.0739
NATURAL GAS	.9541	.9706	1.0711	1.1756	1.3801	1.9745	2.5842	3.1800	2.5812	3.0865	2.0041
TOTAL PETROLEUM	.5968	.7401	.7663	.8831	1.8776	2.0867	2.1719	2.5046	2.6293	3.3601	5.2408
ASPHALT	.7035	.8707	.8721	.8537	1.6406	2.0523	2.0679	2.1503	2.3562	2.7374	4.0040
DISTILLATE FUEL	.6871	.7296	.7278	.9213	2.1888	2.2953	2.3399	2.7107	2.8944	2.8935	6.0963
JET FUEL	.0000	.0000	.0000	.0000	.0000	2.1852	2.3879	2.7469	.0000	.0000	.0000
KEROSENE	.7437	.7898	.7878	.9972	2.3693	2.5471	2.5267	2.9203	3.1265	4.4510	6.6684
LPG	1.4827	1.5137	1.5469	1.5100	2.5393	2.6214	3.9543	3.8603	4.6831	3.7595	6.1192
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.9159	3.0637	3.0058	3.2039	4.3701	4.5369	4.7584	5.0418	5.2341	7.1330	9.9371
RESIDUAL FUEL	.4452	.6187	.6460	.7834	1.7003	1.8530	1.7846	2.1505	2.0709	2.7779	3.9596
ROAD OIL	.0000	.9362	.8966	.9428	1.7467	2.0043	2.0860	.0000	.0000	.0000	.0000
OTHER PETROLEUM PRODUCTS	.7282	.7576	.7551	.9355	2.0341	2.2361	2.3887	2.6898	2.8327	3.9074	6.2121
ELECTRICITY	4.1915	4.0953	4.2629	4.7198	7.5367	9.4591	9.2910	9.8953	11.4466	12.5846	15.9561
TRANSPORTATION SECTOR											
ALL FUELS	2.6481	2.8061	2.7763	2.9811	4.0955	4.3133	4.5323	4.8376	5.0455	6.4964	9.5065
OTHER COAL	.8451	1.0989	.9248	.9067	1.4832	1.7700	.0000	1.8845	.0000	.0000	.0000
NATURAL GAS	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	2.6772
TOTAL PETROLEUM	2.6481	2.8061	2.7763	2.9811	4.0955	4.3133	4.5323	4.8376	5.0455	6.4964	9.5121
AVIATION GASOLINE	3.4553	3.5236	3.4986	3.7615	5.2408	5.6360	5.8299	6.4522	7.0471	9.4017	13.2290
DISTILLATE FUEL	1.3035	1.4756	1.4887	1.7876	2.7046	2.8755	3.0714	3.5864	3.7553	5.3252	7.3074
JET FUEL	.7822	.8222	.8193	.9719	1.6756	2.1852	2.3879	2.7469	3.0925	4.1449	6.7825
LPG	1.4827	1.5137	1.5469	1.5100	2.5393	2.6214	3.9543	3.8603	4.6831	3.7595	6.1192
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.9159	3.0637	3.0058	3.2039	4.3701	4.5369	4.7584	5.0418	5.2341	7.1330	9.9371
RESIDUAL FUEL	.3554	.5090	.5266	.6505	1.5954	1.6463	1.6578	.0000	.0000	2.7550	3.3473
ELECTRICITY	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
ELECTRIC UTILITIES											
ALL FUELS	.3555	.4029	.4601	.5411	1.2299	1.4606	1.4860	1.6212	1.7150	2.0889	2.6574
OTHER COAL	.3610	.4390	.4790	.5100	.8190	1.2360	1.2320	1.2884	1.5015	1.4749	1.6260
NATURAL GAS	.0000	.4768	.4191	.5256	1.1800	1.0101	1.7998	.0000	.0000	2.9539	.0000
TOTAL PETROLEUM	.3469	.3504	.4227	.6069	1.9268	1.8456	1.7579	2.0723	1.9345	2.6982	3.8142
DISTILLATE FUEL	.4637	.4680	.5442	.8548	2.1323	2.1965	2.3725	2.6905	2.8202	4.2198	5.9374
JET FUEL	.0000	.0000	1.5704	1.6933	2.1151	2.3198	2.4792	2.8761	3.1479	5.7755	6.9195
PETROLEUM COKE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
RESIDUAL FUEL	.3391	.3422	.3969	.5845	1.9196	1.8394	1.7411	2.0566	1.9265	2.6906	3.8029
NUCLEAR POWER	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
WOOD AND WASTE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE PRICES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: THE FOLLOWING FUEL SECTOR PRICES HAVE BEEN SUBSTITUTED (SEE THE DOCUMENTATION FOR THE DETAILS), COAL COMMERCIAL = COAL INDUSTRIAL, KEROSENE COMMERCIAL = KEROSENE INDUSTRIAL, LPG COMMERCIAL = LPG INDUSTRIAL, MOTOR GASOLINE COMMERCIAL = MOTOR GASOLINE TRANSPORTATION; JET FUEL INDUSTRIAL = JET FUEL TRANSPORTATION, MOTOR GASOLINE INDUSTRIAL = MOTOR GASOLINE TRANSPORTATION, OTHER PETROLEUM PRODUCTS INDUSTRIAL = DISTILLATE INDUSTRIAL UNITED STATES; COAL TRANSPORTATION = COAL INDUSTRIAL, LPG TRANSPORTATION = LPG INDUSTRIAL, LUBRICANTS TRANSPORTATION = LUBRICANTS INDUSTRIAL.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 94. Fuel Expenditures and Electricity Sales by Fuel Type, 1970-1980: New Jersey (Million Dollars)

ENERGY EXPENDITURES ALL SECTORS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
COAL											
METALLURGICAL COAL	0	0	0	0	0	0	0	0	0	0	0
OTHER COAL	9	5	3	4	7	5	4	7	5	3	3
(INCLUDING ELECTRICITY GENERATION)	55	52	21	53	117	111	113	112	103	104	129
TOTAL COAL	9	5	3	4	7	5	4	7	5	3	3
(INCLUDING ELECTRICITY GENERATION)	55	52	21	53	117	111	113	112	103	104	129
NATURAL GAS											
TOTAL NATURAL GAS	399	427	464	446	486	556	860	740	776	897	1,207
(INCLUDING ELECTRICITY GENERATION)	418	446	476	459	497	564	875	753	778	978	1,454
PETROLEUM PRODUCTS											
ASPHALT AND ROAD OIL	26	33	36	40	64	63	58	74	89	95	106
AVIATION GASOLINE	5	4	4	4	6	4	3	4	5	6	8
DISTILLATE FUEL OIL	461	490	529	583	991	902	973	1,058	1,086	1,327	2,032
(INCLUDING ELECTRICITY GENERATION)	465	505	560	631	1,100	926	1,004	1,079	1,102	1,375	2,099
JET FUEL	29	31	33	39	59	74	74	91	103	171	298
(INCLUDING ELECTRICITY GENERATION)	29	31	45	48	69	80	90	129	131	194	322
KEROSENE	12	13	15	14	20	20	30	49	48	53	68
LIQUEFIED PETROLEUM GASES	45	47	54	63	114	112	123	125	133	159	217
LUBRICANTS	71	72	78	83	113	99	109	141	154	203	211
MOTOR GASOLINE	1,041	1,092	1,129	1,228	1,804	1,951	2,040	2,102	2,179	2,843	3,797
RESIDUAL FUEL	134	159	177	213	402	346	468	494	488	911	1,286
(INCLUDING ELECTRICITY GENERATION)	241	320	364	436	838	652	753	885	856	1,300	1,659
ALL OTHER PETROLEUM PRODUCTS	62	68	71	99	195	226	253	291	306	400	687
(INCLUDING ELECTRICITY GENERATION)	62	68	71	99	195	226	253	291	306	400	687
TOTAL PETROLEUM	1,888	2,010	2,125	2,365	3,768	3,796	4,133	4,429	4,592	6,168	8,709
(INCLUDING ELECTRICITY GENERATION)	1,998	2,185	2,354	2,646	4,322	4,132	4,464	4,880	5,004	6,628	9,174
NUCLEAR POWER, ELECTRICITY GENERATION	8	7	8	6	8	6	7	26	30	21	28
WOOD AND WASTE, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
ELECTRICITY SALES	807	978	1,099	1,286	1,822	1,986	2,177	2,478	2,623	2,883	3,667
TOTAL (INCLUDING ELECTRICITY SALES, EXCLUDING ELECTRICITY GENERATION)	3,103	3,421	3,691	4,100	6,083	6,343	7,175	7,654	7,996	9,951	13,586
TOTAL (EXCLUDING ELECTRICITY SALES, INCLUDING ELECTRICITY GENERATION)	2,478	2,690	2,859	3,163	4,943	4,813	5,459	5,771	5,915	7,732	10,785

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.
NOTE: THERE ARE NO PURCHASED FUEL EXPENDITURES FOR ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.
NOTE: DATA FOR 1980 DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.
NOTE: THE "ALL OTHER PETROLEUM PRODUCTS" CATEGORY INCLUDES NATURAL GASOLINE, UNFRACTIONATED STREAM, PLANT CONDENSATE, PETRO CHEMICAL FEEDSTOCKS, SPECIAL NAPHTHAS, PETROLEUM COKE (NOT CONSUMED IN ELECTRIC UTILITIES), STILL GAS, WAX, AND MISCELLANEOUS PRODUCTS. THE "(INCLUDING ELECTRICITY GENERATION)" CATEGORY INCLUDES PETROLEUM COKE FUEL EXPENDITURES FOR ELECTRIC UTILITIES.
NOTE: EXCLUDES NET IMPORTS OF COAL COKE; THEREFORE, THE SUM OF ALL STATES WILL NOT EQUAL TOTAL U.S.
SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 95. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: New Jersey (Million Dollars)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
TOTAL ENERGY	871.20	967.41	1,059.09	1,145.62	1,594.14	1,637.43	1,877.33	2,032.22	2,105.12	2,262.39	3,116.03
OTHER COAL	1.87	2.21	1.58	2.07	2.27	1.82	2.72	1.47	1.72	1.31	1.24
NATURAL GAS (DRY)	264.47	278.38	302.85	282.64	305.05	344.65	456.45	452.47	472.87	527.80	685.21
TOTAL PETROLEUM	281.12	295.79	317.10	347.46	594.94	511.85	566.17	616.23	628.78	642.77	1,040.57
DISTILLATE FUEL	265.81	278.24	296.78	322.17	565.69	485.55	531.83	566.14	576.43	598.56	984.04
KEROSENE	7.48	8.64	9.84	9.78	11.26	8.59	15.15	24.60	24.03	8.52	13.80
LPG	7.83	8.92	10.48	15.51	17.99	17.70	19.19	25.50	28.32	35.68	42.73
ELECTRICITY	323.75	391.02	437.56	513.45	691.88	779.12	851.99	962.05	1,001.76	1,090.51	1,389.01
COMMERCIAL SECTOR											
TOTAL ENERGY	485.04	566.57	625.09	717.07	1,031.89	1,091.04	1,344.28	1,374.81	1,429.56	1,736.90	2,360.75
OTHER COAL	.79	.76	.43	.57	.74	.70	.47	.70	.54	.54	.50
NATURAL GAS (DRY)	79.26	87.63	93.78	95.41	108.19	122.89	246.79	164.52	158.99	205.35	275.54
TOTAL PETROLEUM	124.71	135.51	141.46	161.17	291.61	261.31	315.69	329.88	328.63	484.02	763.81
DISTILLATE FUEL	75.39	79.02	84.14	91.72	160.60	148.63	163.58	176.79	177.19	189.90	350.14
KEROSENE	1.35	1.61	1.78	1.64	3.02	2.38	3.91	6.49	6.23	2.52	1.47
LPG	.88	.86	.95	.96	2.07	2.37	3.07	2.91	2.83	3.32	4.70
MOTOR GASOLINE	9.64	12.02	8.69	10.05	14.24	15.94	15.78	13.89	19.64	39.89	15.48
RESIDUAL FUEL	37.45	42.00	45.90	56.80	111.68	91.99	129.35	129.80	122.73	248.38	392.01
ELECTRICITY	280.29	342.67	389.42	459.92	631.35	706.14	781.34	879.71	941.39	1,046.99	1,320.91
INDUSTRIAL SECTOR											
TOTAL ENERGY	564.66	629.69	681.20	792.68	1,347.37	1,365.14	1,569.74	1,738.47	1,841.05	2,443.51	3,209.36
METALLURGICAL COAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER COAL	6.83	2.38	.99	1.43	4.43	2.41	1.28	4.63	2.35	1.32	1.52
NATURAL GAS (DRY)	55.52	60.90	67.09	67.36	72.48	88.01	156.78	122.38	143.77	163.07	245.04
TOTAL PETROLEUM	299.66	321.83	340.78	411.58	771.83	773.99	868.08	974.87	1,015.12	1,533.92	2,005.85
ASPHALT	26.32	32.86	35.50	40.33	63.58	62.85	58.00	74.31	88.87	95.47	105.70
DISTILLATE FUEL	42.25	42.85	45.21	49.59	101.02	106.82	112.95	125.68	120.71	214.33	266.00
JET FUEL	.00	.00	.00	.00	.00	3.29	1.31	1.10	.00	.00	.00
KEROSENE	3.44	3.09	3.09	2.33	5.56	8.69	10.79	17.79	18.07	42.46	52.41
LPG	36.48	37.24	42.44	46.08	92.89	91.00	100.14	96.40	101.67	119.14	168.70
LUBRICANTS	50.42	49.10	53.11	59.73	81.51	64.42	71.41	98.71	107.94	141.64	147.35
MOTOR GASOLINE	6.30	5.64	4.74	4.71	7.35	5.85	5.63	5.27	5.12	5.99	7.69
RESIDUAL FUEL	72.53	83.19	85.29	110.20	224.29	205.47	254.48	265.05	267.02	515.04	570.63
ROAD OIL	.02	.01	*	*	.29	.01	.01	*	.00	.00	.00
OTHER PETROLEUM PRODUCTS	61.89	67.85	71.40	98.62	195.34	225.61	253.35	290.56	305.72	399.85	687.37
ELECTRICITY	202.66	244.58	272.35	312.31	498.64	500.73	543.61	636.58	679.81	745.19	956.95
TRANSPORTATION SECTOR											
TOTAL ENERGY	1,182.41	1,256.87	1,325.50	1,444.96	2,109.43	2,248.91	2,383.22	2,508.89	2,619.79	3,507.85	4,900.32
OTHER COAL	.01	*	*	*	*	*	*	*	.00	.00	.00
NATURAL GAS (DRY)	.21	.20	.18	.17	.17	.13	.20	.35	.42	.70	.91
TOTAL PETROLEUM	1,182.20	1,256.67	1,325.28	1,444.69	2,109.19	2,248.67	2,382.92	2,508.44	2,619.28	3,507.02	4,899.15
AVIATION GASOLINE	4.96	4.29	3.98	3.77	5.66	4.12	3.44	4.42	5.23	5.57	8.06
DISTILLATE FUEL	77.50	90.06	102.96	119.32	163.69	160.95	164.81	189.09	211.43	323.86	432.00
JET FUEL	29.43	30.96	32.87	38.97	58.89	70.46	73.06	89.48	103.27	171.01	297.79
LPG	.27	.26	.26	.29	.60	.54	.56	.56	.65	.77	1.08
LUBRICANTS	20.98	22.68	24.53	23.17	31.62	34.29	38.01	42.42	46.39	60.87	63.32
MOTOR GASOLINE	1,024.93	1,074.43	1,115.35	1,213.03	1,782.24	1,929.58	2,018.71	2,083.11	2,154.32	2,797.07	3,773.65
RESIDUAL FUEL	24.12	33.97	45.32	46.14	66.49	48.74	84.33	99.36	97.99	147.88	323.24
ELECTRICITY	.00	.00	.05	.11	.08	.11	.10	.11	.09	.13	.26
ELECTRIC UTILITIES											
TOTAL ENERGY	181.68	247.65	267.64	348.79	682.54	456.74	461.66	595.43	542.25	664.62	865.99
OTHER COAL	45.27	46.35	18.00	48.93	109.22	106.19	108.41	105.09	97.97	101.26	126.22
NATURAL GAS (DRY)	18.38	18.93	12.27	13.39	10.87	8.39	14.70	13.20	1.57	81.57	247.63
TOTAL PETROLEUM	110.51	175.69	229.66	280.70	554.40	336.02	331.26	450.91	412.24	460.45	464.53
DISTILLATE FUEL	3.83	14.35	30.43	48.14	108.62	24.17	30.43	21.74	15.97	48.45	66.76
JET FUEL	.00	.00	12.21	9.48	10.33	6.37	15.62	37.94	27.70	23.37	24.34
PETROLEUM COKE	.00	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00
RESIDUAL FUEL	106.68	161.27	187.01	223.09	435.44	305.48	285.22	391.24	368.58	388.63	373.43
NUCLEAR POWER	7.51	6.68	7.71	5.77	8.04	6.13	7.29	26.23	30.47	21.35	27.61
WOOD AND WASTE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

* LESS THAN .005.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE TO THE INDUSTRIAL SECTOR BY STATE.

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE EXPENDITURES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL SINCE THERE ARE NO ASSOCIATED FUEL COSTS FOR THESE ENERGY SOURCES.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MEXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: COAL INCLUDES ANTHRACITE, BITUMINOUS, AND LIGNITE EXCEPT IN THE TRANSPORTATION SECTOR WHICH DOES NOT CONSUME ANTHRACITE.

NOTE: RESIDENTIAL, COMMERCIAL, INDUSTRIAL, AND TRANSPORTATION EXPENDITURES EXCLUDE ENERGY EXPENDITURES FOR WOOD AND WOOD WASTE.

NOTE: EXPENDITURES ON NET IMPORTS OF COAL COKE ARE NOT DISTRIBUTED BY STATE; THEREFORE, THE SUM OF THE TOTAL EXPENDITURES BY STATE WILL NOT EQUAL THE TOTAL U.S. EXPENDITURE.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, THE ENERGY, PRICE, AND EXPENDITURES DATA SYSTEM (EPEDS)

Table 96. Average Annual Fuel Prices by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: New Jersey (Dollars per Million Btu)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
ALL FUELS	2.2394	2.4702	2.5693	2.8603	4.2934	4.5163	4.8092	5.5059	5.8152	7.2804	9.1451
OTHER COAL	.4833	.9348	1.0863	1.3360	2.3108	2.0900	3.4200	2.5293	2.7167	2.8234	3.0386
NATURAL GAS	1.8294	1.8856	1.9669	2.0282	2.1930	2.6111	3.0367	3.3103	3.4135	4.1510	4.9029
TOTAL PETROLEUM	1.4112	1.4957	1.5064	1.6625	3.2616	2.8399	3.0106	3.4367	3.7139	4.9735	7.1837
DISTILLATE FUEL	1.3866	1.4658	1.4722	1.6014	3.2212	2.7872	2.9585	3.3471	3.6077	4.8610	7.0784
KEROSENE	1.7151	1.7671	1.8109	2.1672	3.2950	3.5116	3.7792	4.2265	4.4797	6.0855	9.2920
LPG	2.4864	2.9179	3.0195	4.6856	5.3262	4.9419	4.4751	5.8650	6.8050	7.5867	9.8300
ELECTRICITY	7.8217	8.9149	9.4528	10.1434	14.1754	15.7532	16.6432	18.3176	18.7113	20.2323	24.9308
COMMERCIAL SECTOR											
ALL FUELS	2.0294	2.4161	2.5677	2.9026	4.6051	5.2453	4.9898	6.1660	6.6138	7.7615	9.6546
OTHER COAL	.3028	.4756	.4328	.4443	.9793	1.1802	.8809	1.8088	1.2916	1.7610	1.8175
NATURAL GAS	1.3739	1.4112	1.4513	1.5124	1.8150	2.2584	2.6772	2.9956	3.2598	3.8559	4.4490
TOTAL PETROLEUM	.8794	1.0358	1.0543	1.1921	2.4853	2.4730	2.4929	2.8467	2.9134	4.2053	6.1261
DISTILLATE FUEL	1.1646	1.2328	1.2360	1.3502	2.7082	2.5267	2.6949	3.0953	3.2841	4.5672	6.5873
KEROSENE	.7973	.8472	.8451	.9343	2.2767	2.5029	2.5100	2.8682	2.9907	4.6278	6.6350
LPG	1.5909	1.5939	1.5569	1.6472	3.4781	3.7477	4.0502	3.7950	3.8589	4.0014	6.1307
MOTOR GASOLINE	2.9917	3.0433	2.9017	3.0823	4.5475	4.7860	4.8871	5.1616	5.1465	7.1550	9.9366
RESIDUAL FUEL	.5229	.6961	.7601	.9210	2.1079	2.1941	2.1419	2.4471	2.3507	3.7313	5.6829
ELECTRICITY	7.5959	8.5709	8.9206	9.6890	13.6128	14.9198	15.6097	16.9902	17.3834	18.9937	22.9190
INDUSTRIAL SECTOR											
ALL FUELS	1.0950	1.2995	1.3891	1.5419	2.9262	3.2682	3.3450	3.8381	4.0874	4.8050	6.9632
METALLURGICAL COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
OTHER COAL	.3028	.4756	.4328	.4443	.9793	1.1802	.8809	1.8088	1.2916	1.7610	1.8175
NATURAL GAS	.6744	.7161	.7904	.8471	1.0819	1.6478	2.1063	2.3394	3.2743	3.0756	3.8055
TOTAL PETROLEUM	.8350	.9410	.9771	1.0997	2.3137	2.4762	2.5446	2.8276	2.9099	3.8522	5.9011
ASPHALT	.6810	.8216	.8480	.8263	1.5250	1.8898	1.9636	2.0399	2.2257	2.6158	3.6458
DISTILLATE FUEL	.7593	.8069	.8048	.8897	2.1682	2.3605	2.4017	2.7554	2.8635	3.9239	6.2513
JET FUEL	.0000	.0000	.0000	.0000	.0000	2.1311	2.3125	2.6560	.0000	.0000	.0000
KEROSENE	.7973	.8472	.8451	.9343	2.2767	2.5029	2.5100	2.8682	2.9907	4.6278	6.6350
LPG	1.5909	1.5939	1.5569	1.6472	3.4781	3.7477	4.0502	3.7950	3.8589	4.0014	6.1307
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.9917	3.0433	2.9017	3.0823	4.5475	4.7860	4.8871	5.1616	5.1465	7.1550	9.9366
RESIDUAL FUEL	.5114	.6808	.7433	.9006	2.0614	2.1457	2.1187	2.3747	2.3286	3.3518	5.1193
ROAD OIL	.8346	.9362	.8966	.9428	1.7467	2.0043	2.0860	2.1396	.0000	.0000	.0000
OTHER PETROLEUM PRODUCTS	.7282	.7576	.7551	.9355	2.0341	2.2361	2.3887	2.6898	2.8327	3.9074	6.2121
ELECTRICITY	3.9037	4.6561	4.9980	5.4698	9.0078	10.0778	10.4043	11.9412	12.1747	13.1735	17.1591
TRANSPORTATION SECTOR											
ALL FUELS	2.3934	2.4643	2.3789	2.5874	3.9934	4.3310	4.3369	4.5742	4.5881	6.3708	8.6651
OTHER COAL	.3028	.4756	.4328	.4443	.9793	1.1802	.8809	1.8088	.0000	.0000	.0000
NATURAL GAS	.2158	.2269	.2353	.2420	.3018	.3225	.3950	.6057	.8202	1.2424	1.8988
TOTAL PETROLEUM	2.3978	2.4682	2.3817	2.5902	3.9972	4.3340	4.3405	4.5782	4.5914	6.3760	8.6706
AVIATION GASOLINE	3.4553	3.5236	3.4986	3.7615	5.2408	5.6360	5.8299	6.4522	7.0471	9.5681	13.5618
DISTILLATE FUEL	1.5559	1.7322	1.9839	2.1240	2.9333	3.1796	3.1403	3.3984	3.6163	5.0854	7.2737
JET FUEL	.7630	.8015	.7993	.9481	1.6341	2.1311	2.3125	2.6560	3.0251	4.0789	6.6411
LPG	1.5909	1.5939	1.5569	1.6472	3.4781	3.7477	4.0502	3.7950	3.8589	4.0014	6.1307
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.9917	3.0433	2.9017	3.0823	4.5475	4.7860	4.8871	5.1616	5.1465	7.1550	9.9366
RESIDUAL FUEL	.4234	.5637	.6155	.7457	1.7069	1.7751	1.7923	1.9934	1.8241	3.0888	4.2572
ELECTRICITY	.0000	.0000	5.6663	6.2385	8.5483	11.1372	9.4373	10.6682	9.9648	12.1336	13.0422
ELECTRIC UTILITIES											
ALL FUELS	.4210	.5955	.6608	.8108	1.7393	1.7616	1.6399	1.7522	1.6396	2.2807	2.6787
OTHER COAL	.4490	.5470	.6440	.8039	1.4281	1.8578	1.5938	1.5680	1.6880	1.7563	1.8941
NATURAL GAS	.3886	.4593	.4766	.5346	.7075	.9510	1.4344	1.7852	1.9713	2.5673	3.0119
TOTAL PETROLEUM	.4502	.7071	.7547	.9197	2.1358	2.1180	2.0620	2.3675	2.2587	3.4977	4.9799
DISTILLATE FUEL	.4990	.7855	.8095	1.0113	2.1382	2.0927	2.2949	2.6723	2.7715	4.2853	5.8597
JET FUEL	.0000	.0000	1.5815	1.7052	2.2832	2.2928	2.4034	2.7786	2.9821	4.6203	6.1946
PETROLEUM COKE	.0000	.4400	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
RESIDUAL FUEL	.4486	.7010	.7221	.8851	2.1319	2.1167	2.0243	2.3195	2.2009	3.3712	4.7901
NUCLEAR POWER	.1981	.1611	.1640	.1477	.1962	.1771	.1711	.3501	.3409	.3036	.3402
WOOD AND WASTE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE PRICES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: THE FOLLOWING FUEL SECTOR PRICES HAVE BEEN SUBSTITUTED (SEE THE DOCUMENTATION FOR THE DETAILS), COAL COMMERCIAL = COAL INDUSTRIAL, KEROSENE COMMERCIAL = KEROSENE INDUSTRIAL, LPG COMMERCIAL = LPG INDUSTRIAL, MOTOR GASOLINE COMMERCIAL = MOTOR GASOLINE TRANSPORTATION; JET FUEL INDUSTRIAL = JET FUEL TRANSPORTATION, MOTOR GASOLINE INDUSTRIAL = MOTOR GASOLINE TRANSPORTATION, OTHER PETROLEUM PRODUCTS INDUSTRIAL = DISTILLATE INDUSTRIAL UNITED STATES; COAL TRANSPORTATION = COAL INDUSTRIAL, LPG TRANSPORTATION = LPG INDUSTRIAL, LUBRICANTS TRANSPORTATION = LUBRICANTS INDUSTRIAL.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 97. Fuel Expenditures and Electricity Sales by Fuel Type, 1970-1980: New Mexico (Million Dollars)

ENERGY EXPENDITURES ALL SECTORS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
COAL											
METALLURGICAL COAL	0	0	0	0	0	0	0	0	0	0	0
OTHER COAL	*	*	*	*	*	0	*	*	2	2	2
(INCLUDING ELECTRICITY GENERATION)	14	18	19	21	27	30	36	46	62	74	115
TOTAL COAL	*	*	*	*	*	0	*	*	2	2	2
(INCLUDING ELECTRICITY GENERATION)	14	18	19	21	27	30	36	46	62	74	115
NATURAL GAS											
TOTAL NATURAL GAS	70	79	86	72	100	110	154	189	211	247	375
(INCLUDING ELECTRICITY GENERATION)	87	96	106	95	134	157	222	293	318	376	519
PETROLEUM PRODUCTS											
ASPHALT AND ROAD OIL	5	4	5	6	16	20	16	14	18	23	28
AVIATION GASOLINE	5	5	4	4	6	4	4	5	5	5	14
DISTILLATE FUEL OIL	34	34	42	61	96	99	116	153	175	260	315
(INCLUDING ELECTRICITY GENERATION)	34	34	43	65	108	120	129	165	181	273	324
JET FUEL	14	14	13	15	26	33	33	41	42	60	95
(INCLUDING ELECTRICITY GENERATION)	14	14	13	15	26	33	33	41	42	60	95
KEROSENE	6	4	4	9	9	10	10	15	16	26	59
LIQUEFIED PETROLEUM GASES	23	22	27	35	46	45	48	55	52	65	84
LUBRICANTS	10	10	11	11	15	18	20	20	22	28	29
MOTOR GASOLINE	203	220	231	258	350	409	436	482	527	637	835
RESIDUAL FUEL	*	*	1	4	16	18	19	19	14	5	23
(INCLUDING ELECTRICITY GENERATION)	1	1	3	6	20	21	20	21	15	12	25
ALL OTHER PETROLEUM PRODUCTS	3	3	4	5	16	19	18	21	23	34	56
(INCLUDING ELECTRICITY GENERATION)	3	3	4	5	16	19	18	21	23	34	56
TOTAL PETROLEUM	303	317	342	409	597	675	719	824	894	1,144	1,538
(INCLUDING ELECTRICITY GENERATION)	303	318	344	415	612	699	733	838	901	1,164	1,548
NUCLEAR POWER, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
WOOD AND WASTE, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
ELECTRICITY SALES	107	118	133	148	167	180	213	261	325	413	460
TOTAL (INCLUDING ELECTRICITY SALES, EXCLUDING ELECTRICITY GENERATION)	480	514	561	629	864	966	1,087	1,275	1,432	1,806	2,374
TOTAL (EXCLUDING ELECTRICITY SALES, INCLUDING ELECTRICITY GENERATION)	405	433	469	531	773	886	991	1,177	1,282	1,614	2,182

* LESS THAN .5.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: THERE ARE NO PURCHASED FUEL EXPENDITURES FOR ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: DATA FOR 1980 DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.

NOTE: THE "ALL OTHER PETROLEUM PRODUCTS" CATEGORY INCLUDES NATURAL GASOLINE, UNFRACTIONATED STREAM, PLANT CONDENSATE, PETRO CHEMICAL FEEDSTOCKS, SPECIAL NAPHTHAS, PETROLEUM COKE (NOT CONSUMED IN ELECTRIC UTILITIES), STILL GAS, WAX, AND MISCELLANEOUS PRODUCTS. THE "(INCLUDING ELECTRICITY GENERATION)" CATEGORY INCLUDES PETROLEUM COKE FUEL EXPENDITURES FOR ELECTRIC UTILITIES.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE; THEREFORE, THE SUM OF ALL STATES WILL NOT EQUAL TOTAL U.S.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 98. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: New Mexico (Million Dollars)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
TOTAL ENERGY	81.17	85.81	96.00	101.52	116.27	125.50	146.62	167.95	196.52	238.00	285.31
OTHER COAL	*	.01	.00	.00	.00	.00	.00	.00	.00	.06	.86
NATURAL GAS (DRY)	26.98	29.21	31.94	22.76	30.29	35.48	47.93	52.04	62.21	73.38	93.23
TOTAL PETROLEUM	13.23	11.19	13.14	21.78	20.98	20.17	20.13	23.83	21.73	25.72	37.38
DISTILLATE FUEL	.02	.02	.02	.04	.06	.08	.09	.15	.13	.13	.43
KEROSENE	.25	.17	.22	.58	.47	.46	.55	.80	.81	1.21	5.96
LPG	12.97	10.99	12.90	21.16	20.45	19.63	19.49	22.89	20.79	24.39	30.98
ELECTRICITY	40.95	45.41	50.92	56.98	65.00	69.85	78.56	92.07	112.58	138.84	153.83
COMMERCIAL SECTOR											
TOTAL ENERGY	61.24	67.49	75.48	79.98	94.37	98.00	129.52	156.97	183.07	222.87	284.26
OTHER COAL	.01	.01	.00	.00	.00	.00	.00	.00	.00	.06	.93
NATURAL GAS (DRY)	14.87	15.94	16.14	12.82	17.41	17.41	34.82	41.17	49.53	58.54	70.41
TOTAL PETROLEUM	3.29	3.37	3.62	4.38	7.09	7.43	8.31	11.26	10.31	12.35	43.96
DISTILLATE FUEL	.56	.65	.71	1.37	2.21	2.74	3.27	5.24	4.58	4.83	5.08
KEROSENE	.04	.03	.04	.12	.11	.11	.13	.19	.20	.31	28.95
LPG	1.61	1.60	1.81	1.72	2.88	2.32	2.53	3.23	2.71	3.53	4.57
MOTOR GASOLINE	1.08	1.08	1.06	1.16	1.89	2.26	2.37	2.60	2.82	3.68	5.35
RESIDUAL FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRICITY	43.08	48.17	55.73	62.78	69.87	73.16	86.39	104.54	123.24	151.92	168.97
INDUSTRIAL SECTOR											
TOTAL ENERGY	87.50	93.20	104.11	122.60	193.59	216.71	245.40	309.10	338.41	438.78	566.41
METALLURGICAL COAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER COAL	.14	.15	.10	.24	.16	.00	.17	.42	1.83	2.12	.22
NATURAL GAS (DRY)	23.87	29.42	31.24	30.40	42.88	46.49	60.27	81.07	81.54	76.65	144.31
TOTAL PETROLEUM	40.99	39.66	46.23	64.04	118.27	132.98	136.61	163.33	165.40	237.49	285.09
ASPHALT	4.48	4.44	5.28	5.62	15.71	18.87	15.41	13.61	18.39	23.31	27.60
DISTILLATE FUEL	12.01	11.58	13.90	21.81	30.76	33.92	38.26	56.82	56.48	100.41	93.15
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KEROSENE	5.60	3.64	3.83	8.74	8.89	9.85	8.82	14.47	14.92	24.06	24.08
LPG	8.22	8.98	11.15	12.05	22.16	22.03	25.23	28.11	27.94	36.34	47.06
LUBRICANTS	3.82	4.18	4.52	3.79	5.17	6.79	7.53	7.04	7.70	10.11	10.51
MOTOR GASOLINE	2.96	3.11	2.93	2.50	3.41	3.61	3.38	3.43	2.93	3.67	4.13
RESIDUAL FUEL	.37	.29	.99	4.42	16.31	17.82	19.43	18.70	13.80	5.25	22.81
ROAD OIL	.14	*	.00	.00	.12	1.05	.86	.56	.00	.00	.10
OTHER PETROLEUM PRODUCTS	3.39	3.44	3.63	5.12	15.74	19.04	17.69	20.58	23.23	34.35	55.65
ELECTRICITY	22.51	23.96	26.54	27.91	32.27	37.24	48.35	64.27	89.65	122.52	136.79
TRANSPORTATION SECTOR											
TOTAL ENERGY	250.08	267.59	285.32	325.01	459.89	525.52	565.22	640.63	714.15	906.65	1,238.33
OTHER COAL	*	*	*	*	*	.00	*	*	.00	.00	.00
NATURAL GAS (DRY)	4.75	4.67	6.23	6.09	9.36	10.71	11.14	14.61	17.52	38.07	67.03
TOTAL PETROLEUM	245.33	262.92	279.10	318.92	450.53	514.81	554.08	626.02	696.63	868.58	1,171.30
AVIATION GASOLINE	5.04	4.75	4.33	3.97	5.78	4.47	3.94	4.64	4.88	5.17	14.19
DISTILLATE FUEL	21.01	21.91	27.50	37.80	63.35	61.89	73.91	91.21	113.94	154.45	216.63
JET FUEL	13.80	13.94	13.29	15.02	26.13	33.00	33.05	40.83	41.55	59.71	94.56
LPG	.49	.51	.64	.54	.96	.86	.87	.99	.81	1.06	1.37
LUBRICANTS	6.06	5.98	6.47	7.06	9.64	11.20	12.41	12.70	13.89	18.22	18.96
MOTOR GASOLINE	198.90	215.78	226.86	254.52	344.67	403.39	429.90	475.66	521.56	629.97	825.59
RESIDUAL FUEL	.03	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRICITY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRIC UTILITIES											
TOTAL ENERGY	31.07	36.30	41.74	50.04	75.83	100.55	117.75	163.57	175.05	220.80	266.80
OTHER COAL	14.18	18.18	18.92	20.81	26.67	29.98	35.60	45.18	60.65	72.06	112.75
NATURAL GAS (DRY)	16.76	16.97	20.69	23.16	34.04	46.58	68.32	104.45	107.37	129.29	143.62
TOTAL PETROLEUM	.14	1.16	2.13	6.07	15.13	23.99	13.83	13.94	7.02	19.45	10.44
DISTILLATE FUEL	.01	.04	.54	4.19	11.39	21.28	13.32	11.55	5.98	13.17	8.28
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PETROLEUM COKE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RESIDUAL FUEL	.13	1.12	1.59	1.89	3.74	2.71	.51	2.39	1.04	6.28	2.16
NUCLEAR POWER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WOOD AND WASTE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

* LESS THAN .005.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE TO THE INDUSTRIAL SECTOR BY STATE.

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE EXPENDITURES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL SINCE THERE ARE NO ASSOCIATED FUEL COSTS FOR THESE ENERGY SOURCES.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MEXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: COAL INCLUDES ANTHRACITE, BITUMINOUS, AND LIGNITE EXCEPT IN THE TRANSPORTATION SECTOR WHICH DOES NOT CONSUME ANTHRACITE.

NOTE: RESIDENTIAL, COMMERCIAL, INDUSTRIAL, AND TRANSPORTATION EXPENDITURES EXCLUDE ENERGY EXPENDITURES FOR WOOD AND WOOD WASTE.

NOTE: EXPENDITURES ON NET IMPORTS OF COAL COKE ARE NOT DISTRIBUTED BY STATE; THEREFORE, THE SUM OF THE TOTAL EXPENDITURES BY STATE WILL NOT EQUAL THE TOTAL U.S. EXPENDITURE.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, THE ENERGY, PRICE, AND EXPENDITURES DATA SYSTEM (EPEDS)

Table 99. Average Annual Fuel Prices by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: New Mexico (Dollars per Million Btu)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
ALL FUELS	1.8235	1.8591	1.9352	2.6855	2.9759	3.1410	2.9955	4.3471	5.1242	5.7325	6.6112
OTHER COAL	.2958	.7734	.0000	.0000	.0000	.0000	.0000	.0000	.0000	1.6956	2.1651
NATURAL GAS	.8505	.8744	.8984	.9404	1.1676	1.2499	1.2895	2.0009	2.3658	2.5861	3.1857
TOTAL PETROLEUM	1.7078	1.5563	1.6430	3.1447	3.4074	4.1203	4.2173	4.5192	4.9593	5.2178	7.2984
DISTILLATE FUEL	.8676	.9142	.9374	1.2232	2.4175	2.8382	3.0276	3.2147	2.9567	4.5255	6.7562
KEROSENE	1.4908	1.4889	1.5263	1.7859	2.8741	3.0478	3.1821	3.5705	3.7967	5.0629	7.9692
LPG	1.7145	1.5592	1.6470	3.2214	3.4262	4.1621	4.2646	4.5733	5.0400	5.2300	7.1900
ELECTRICITY	8.1380	8.1688	8.4072	8.5384	9.3219	10.4630	11.2173	12.5258	14.6711	16.9756	18.3801
COMMERCIAL SECTOR											
ALL FUELS	1.3933	1.4850	1.6821	2.0630	2.4585	2.8071	2.7591	3.9480	4.6095	5.5055	6.5930
OTHER COAL	.4858	.4903	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.9094	1.2553
NATURAL GAS	.4364	.4579	.4856	.4915	.6740	.7486	1.0136	1.5858	1.8964	2.1807	2.8060
TOTAL PETROLEUM	1.3658	1.4149	1.4074	1.5706	2.8545	3.1404	3.3546	3.5724	3.5570	4.9007	7.5330
DISTILLATE FUEL	.8398	.8813	.9019	1.1808	2.3461	2.6960	2.9007	3.0833	2.8940	4.4296	6.6130
KEROSENE	1.0318	1.0607	1.0741	1.4308	2.6581	2.7986	2.9486	3.2625	3.5402	5.0393	7.7483
LPG	1.2055	1.2863	1.3101	1.4831	2.7306	2.7915	3.1438	3.6564	3.7249	4.2874	6.0085
MOTOR GASOLINE	2.9388	2.9569	2.9132	3.0605	4.2386	4.7236	4.7601	5.0928	5.3049	6.7493	9.3992
RESIDUAL FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
ELECTRICITY	5.7645	5.8463	6.1412	6.3413	6.9362	7.8757	8.5397	9.8199	11.5154	13.7427	14.7609
INDUSTRIAL SECTOR											
ALL FUELS	.5106	.5472	.5889	.7172	1.1607	1.3719	1.4097	2.0257	2.3734	3.2317	4.2643
METALLURGICAL COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
OTHER COAL	.4858	.4903	.4911	.4765	.8491	.0000	.8879	.9309	.8588	.9094	1.2553
NATURAL GAS	.1911	.2284	.2423	.2671	.3927	.4778	.5318	.9202	1.0580	1.1173	1.9025
TOTAL PETROLEUM	1.0322	1.1606	1.1494	1.3020	2.3465	2.4632	2.5698	2.9213	3.0423	4.3282	6.0983
ASPHALT	.5739	.8227	.8248	.8507	1.7465	1.8350	1.6760	1.7808	1.9360	2.4716	3.6652
DISTILLATE FUEL	.9703	.9974	1.0100	1.3454	2.4995	2.5964	2.7618	3.0696	3.2635	4.9001	7.3156
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
KEROSENE	1.0318	1.0607	1.0741	1.4308	2.6581	2.7986	2.9486	3.2625	3.5402	5.0393	7.7483
LPG	1.2055	1.2863	1.3101	1.4831	2.7306	2.7915	3.1438	3.6564	3.7249	4.2874	6.0085
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.9388	2.9569	2.9132	3.0605	4.2386	4.7236	4.7601	5.0928	5.3049	6.7493	9.3992
RESIDUAL FUEL	.4763	.6382	.6967	.8466	1.9341	2.0541	2.0098	2.2583	2.1844	3.3668	4.2188
ROAD OIL	.6615	.7894	.0000	.0000	1.9476	1.9260	1.7125	1.8257	.0000	.0000	4.1150
OTHER PETROLEUM PRODUCTS	.7282	.7576	.7551	.9355	2.0341	2.2361	2.3887	2.6898	2.8327	3.9074	6.2121
ELECTRICITY	3.4515	3.4141	3.5877	3.7501	4.6143	5.5686	6.5408	7.9077	9.9338	12.2891	13.6133
TRANSPORTATION SECTOR											
ALL FUELS	1.8184	1.8924	1.8184	2.0731	2.9119	3.3693	3.5056	3.9479	4.1398	5.2861	7.0889
OTHER COAL	.4858	.4903	.4911	.4765	.8491	.0000	.8879	.9309	.0000	.0000	.0000
NATURAL GAS	.1521	.1558	.1670	.2024	.2825	.3618	.3917	.6471	.7507	1.2836	1.7066
TOTAL PETROLEUM	2.3079	2.3601	2.3330	2.5178	3.6096	4.0737	4.1722	4.4814	4.6701	6.1230	8.6501
AVIATION GASOLINE	3.4553	3.5236	3.4986	3.7615	5.2408	5.6360	5.8299	6.4522	7.0471	9.4017	14.5602
DISTILLATE FUEL	1.1429	1.1534	1.1933	1.4678	2.4722	2.5927	2.7673	3.0762	3.2573	4.7791	6.9050
JET FUEL	.7978	.8385	.8356	.9911	1.7089	2.2289	2.4481	2.8428	3.0613	4.2809	6.9007
LPG	1.2055	1.2863	1.3101	1.4831	2.7306	2.7915	3.1438	3.6564	3.7249	4.2874	6.0085
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.9388	2.9569	2.9132	3.0605	4.2386	4.7236	4.7601	5.0928	5.3049	6.7493	9.3992
RESIDUAL FUEL	.4691	.6310	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
ELECTRICITY	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
ELECTRIC UTILITIES											
ALL FUELS	.1988	.2091	.2226	.2409	.3477	.4785	.5505	.7069	.8253	1.0081	1.0176
OTHER COAL	.1430	.1510	.1530	.1552	.1894	.2262	.2592	.2943	.4212	.4776	.5585
NATURAL GAS	.2961	.3346	.3407	.3404	.4905	.6960	.9587	1.4459	1.6410	2.0698	2.4679
TOTAL PETROLEUM	.2552	.4640	.6782	1.0873	1.9106	2.2480	2.6155	2.4757	2.6206	3.4293	4.9594
DISTILLATE FUEL	.3187	.5929	.8272	1.3337	2.0436	2.3422	2.6585	2.5893	2.7148	3.5560	5.1485
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
PETROLEUM COKE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
RESIDUAL FUEL	.2501	.4606	.6392	.7711	1.5944	1.7075	1.8377	2.0423	2.1868	3.1909	4.3474
NUCLEAR POWER	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
WOOD AND WASTE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE PRICES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: THE FOLLOWING FUEL SECTOR PRICES HAVE BEEN SUBSTITUTED (SEE THE DOCUMENTATION FOR THE DETAILS), COAL COMMERCIAL = COAL INDUSTRIAL, KEROSENE COMMERCIAL = KEROSENE INDUSTRIAL, LPG COMMERCIAL = LPG INDUSTRIAL, MOTOR GASOLINE COMMERCIAL = MOTOR GASOLINE TRANSPORTATION; JET FUEL INDUSTRIAL = JET FUEL TRANSPORTATION, MOTOR GASOLINE INDUSTRIAL = MOTOR GASOLINE TRANSPORTATION, OTHER PETROLEUM PRODUCTS INDUSTRIAL = DISTILLATE INDUSTRIAL UNITED STATES; COAL TRANSPORTATION = COAL INDUSTRIAL, LPG TRANSPORTATION = LPG INDUSTRIAL, LUBRICANTS TRANSPORTATION = LUBRICANTS INDUSTRIAL.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 100. Fuel Expenditures and Electricity Sales by Fuel Type, 1970-1980: New York (Million Dollars)

ENERGY EXPENDITURES ALL SECTORS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
COAL											
METALLURGICAL COAL	102	87	90	134	245	210	307	208	240	271	191
OTHER COAL	85	79	60	47	75	94	102	107	75	75	126
(INCLUDING ELECTRICITY GENERATION)	212	184	136	122	256	272	261	289	265	278	351
TOTAL COAL	186	166	150	181	320	304	409	315	315	346	317
(INCLUDING ELECTRICITY GENERATION)	314	271	226	256	501	482	568	497	506	549	541
NATURAL GAS											
TOTAL NATURAL GAS	739	810	874	897	1,021	1,250	1,486	1,646	1,871	2,041	2,748
(INCLUDING ELECTRICITY GENERATION)	780	854	909	933	1,048	1,263	1,491	1,652	1,873	2,221	3,091
PETROLEUM PRODUCTS											
ASPHALT AND ROAD OIL	26	30	30	40	73	70	71	76	90	96	121
AVIATION GASOLINE	7	6	5	5	8	9	9	10	11	17	24
DISTILLATE FUEL OIL	768	799	817	996	1,356	1,551	1,819	2,083	2,219	2,393	2,915
(INCLUDING ELECTRICITY GENERATION)	777	826	856	1,032	1,419	1,606	1,866	2,130	2,281	2,420	2,940
JET FUEL	166	179	180	219	334	457	486	578	657	819	1,364
(INCLUDING ELECTRICITY GENERATION)	166	179	215	246	364	476	510	593	667	830	1,364
KEROSENE	55	63	64	62	88	90	124	116	116	109	107
LIQUEFIED PETROLEUM GASES	38	32	44	55	64	76	87	107	106	144	160
LUBRICANTS	80	81	87	75	102	110	122	124	136	179	186
MOTOR GASOLINE	2,006	2,172	2,330	2,557	3,181	3,368	3,694	3,831	4,063	5,285	6,779
RESIDUAL FUEL	277	349	359	450	845	773	905	1,018	989	1,100	1,510
(INCLUDING ELECTRICITY GENERATION)	426	589	668	865	1,879	1,808	1,922	2,199	2,046	2,399	3,145
ALL OTHER PETROLEUM PRODUCTS	24	27	28	34	77	92	105	133	135	174	241
(INCLUDING ELECTRICITY GENERATION)	24	27	28	34	78	92	105	133	135	174	241
TOTAL PETROLEUM	3,447	3,736	3,944	4,493	6,128	6,597	7,423	8,077	8,523	10,315	13,408
(INCLUDING ELECTRICITY GENERATION)	3,605	4,003	4,327	4,971	7,256	7,705	8,511	9,321	9,652	11,651	15,068
NUCLEAR POWER, ELECTRICITY GENERATION	11	17	18	38	34	41	57	82	87	91	122
WOOD AND WASTE, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	1	*
ELECTRICITY SALES	2,040	2,350	2,611	3,050	4,161	4,656	4,925	5,438	5,528	6,183	7,361
TOTAL (INCLUDING ELECTRICITY SALES, EXCLUDING ELECTRICITY GENERATION)	6,412	7,062	7,578	8,621	11,631	12,808	14,242	15,476	16,237	18,886	23,834
TOTAL (EXCLUDING ELECTRICITY SALES, INCLUDING ELECTRICITY GENERATION)	4,710	5,144	5,480	6,197	8,840	9,491	10,627	11,551	12,118	14,513	18,822

* LESS THAN .5.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: THERE ARE NO PURCHASED FUEL EXPENDITURES FOR ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: DATA FOR 1980 DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.

NOTE: THE "ALL OTHER PETROLEUM PRODUCTS" CATEGORY INCLUDES NATURAL GASOLINE, UNFRACTIONATED STREAM, PLANT CONDENSATE, PETRO CHEMICAL FEEDSTOCKS, SPECIAL NAPHTHAS, PETROLEUM COKE (NOT CONSUMED IN ELECTRIC UTILITIES), STILL GAS, WAX, AND MISCELLANEOUS PRODUCTS. THE "(INCLUDING ELECTRICITY GENERATION)" CATEGORY INCLUDES PETROLEUM COKE FUEL EXPENDITURES FOR ELECTRIC UTILITIES.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE; THEREFORE, THE SUM OF ALL STATES WILL NOT EQUAL TOTAL U.S.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 101. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: New York (Million Dollars)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
TOTAL ENERGY	1,814.02	1,984.36	2,151.47	2,414.60	3,020.86	3,471.41	3,900.87	4,301.91	4,603.81	4,859.08	5,912.70
OTHER COAL	4.37	14.57	8.17	9.60	11.94	11.63	10.27	11.92	16.22	11.25	9.71
NATURAL GAS (DRY)	489.22	532.23	590.74	590.69	682.73	834.33	980.37	1,076.72	1,221.54	1,294.08	1,653.20
TOTAL PETROLEUM	553.29	573.18	600.09	709.25	886.23	1,016.63	1,205.04	1,344.09	1,426.76	1,396.73	1,731.23
DISTILLATE FUEL	475.33	497.34	511.86	610.11	767.29	895.85	1,046.64	1,188.41	1,260.57	1,242.39	1,551.25
KEROSENE	49.43	54.53	55.93	55.84	73.17	69.58	99.75	85.73	81.20	61.96	83.08
LPG	28.53	21.31	32.30	43.30	45.77	51.20	58.65	69.95	64.99	92.38	96.90
ELECTRICITY	767.14	864.38	952.48	1,105.06	1,439.97	1,608.82	1,705.19	1,869.17	1,939.28	2,157.01	2,518.56
COMMERCIAL SECTOR											
TOTAL ENERGY	1,380.58	1,614.87	1,772.66	2,061.32	2,852.74	3,182.80	3,513.57	3,875.36	3,908.08	4,182.53	5,560.73
OTHER COAL	3.27	3.32	2.48	2.50	4.85	5.05	3.52	4.37	7.74	5.98	5.70
NATURAL GAS (DRY)	167.61	185.84	192.90	193.62	216.92	258.00	338.88	376.60	438.21	502.44	689.77
TOTAL PETROLEUM	288.22	327.68	343.10	411.43	662.57	695.61	814.69	936.49	951.53	901.34	1,441.43
DISTILLATE FUEL	135.29	141.75	145.63	174.32	218.61	275.22	323.07	372.43	395.03	395.57	555.10
KEROSENE	2.61	2.88	2.98	2.94	6.17	5.97	8.27	7.22	6.82	6.27	6.90
LPG	2.78	2.80	3.06	3.10	4.78	6.45	6.91	8.56	7.82	9.69	11.88
MOTOR GASOLINE	16.15	17.32	18.89	19.64	26.40	29.33	29.00	29.91	31.83	44.97	55.04
RESIDUAL FUEL	131.38	162.92	172.54	211.43	406.61	378.63	447.45	518.37	510.02	444.85	812.51
ELECTRICITY	921.49	1,098.03	1,234.18	1,453.76	1,968.41	2,224.15	2,356.48	2,557.91	2,510.60	2,772.77	3,423.83
INDUSTRIAL SECTOR											
TOTAL ENERGY	900.62	955.17	1,002.48	1,162.26	1,904.06	1,993.74	2,260.27	2,507.55	2,631.12	3,080.59	3,434.91
METALLURGICAL COAL	101.63	87.10	90.16	133.96	244.99	210.29	306.75	207.73	240.25	270.82	190.74
OTHER COAL	76.74	61.06	48.81	35.11	58.55	76.98	88.03	91.00	50.62	58.13	110.67
NATURAL GAS (DRY)	80.97	91.02	89.23	112.00	120.83	156.99	164.70	190.15	207.70	239.89	398.24
TOTAL PETROLEUM	315.53	356.62	382.29	428.60	791.15	805.40	917.93	1,070.57	1,117.63	1,338.78	1,396.45
ASPHALT	25.97	28.93	29.01	39.05	71.84	69.79	70.64	75.83	89.39	94.77	119.74
DISTILLATE FUEL	68.56	72.86	76.19	94.16	205.25	211.58	243.89	289.15	304.19	397.83	367.48
JET FUEL	.00	.00	.00	.00	.00	9.28	3.71	3.10	.00	.00	.00
KEROSENE	3.28	5.37	4.79	2.87	8.66	14.76	15.95	22.71	28.31	41.00	17.03
LPG	6.75	7.36	7.90	8.36	13.11	18.04	21.06	28.12	32.77	40.59	49.78
LUBRICANTS	36.69	41.41	44.79	36.91	50.38	56.59	62.73	61.14	66.87	87.74	91.28
MOTOR GASOLINE	50.34	48.90	58.15	49.12	47.79	34.10	34.73	48.32	57.64	47.09	81.66
RESIDUAL FUEL	99.94	124.12	132.45	163.17	316.66	299.51	360.24	408.98	403.08	454.52	426.39
ROAD OIL	.03	1.14	1.20	1.18	.77	.16	.14	.21	.30	.90	1.60
OTHER PETROLEUM PRODUCTS	23.95	26.51	27.80	33.78	76.69	91.60	104.84	132.99	135.08	174.34	241.50
ELECTRICITY	325.75	359.37	392.00	452.59	688.53	744.08	782.86	948.10	1,014.93	1,172.97	1,338.81
TRANSPORTATION SECTOR											
TOTAL ENERGY	2,316.52	2,507.57	2,651.65	2,982.81	3,853.71	4,159.74	4,567.39	4,791.15	5,094.15	6,763.79	8,925.45
OTHER COAL	.25	.16	.11	.08	.10	.03	.02	.01	.00	.00	.00
NATURAL GAS (DRY)	.75	.85	.90	.82	.93	1.14	1.62	2.28	3.63	4.82	6.87
TOTAL PETROLEUM	2,290.07	2,478.18	2,618.26	2,943.47	3,788.13	4,079.17	4,485.21	4,726.07	5,027.56	6,678.47	8,838.44
AVIATION GASOLINE	6.71	6.10	5.42	5.21	8.03	9.02	8.55	10.08	10.88	16.84	24.16
DISTILLATE FUEL	88.61	86.86	83.04	117.24	164.37	167.89	205.80	233.23	239.70	357.03	441.30
JET FUEL	166.00	178.66	179.92	218.61	333.62	447.81	482.52	574.45	656.81	819.31	1,363.74
LPG	.27	.29	.32	.36	.59	.59	.69	.85	.70	.86	1.06
LUBRICANTS	43.74	39.22	42.42	38.15	52.07	53.87	59.71	63.33	69.26	90.88	94.54
MOTOR GASOLINE	1,939.43	2,105.30	2,252.66	2,488.43	3,107.26	3,304.69	3,630.73	3,753.00	3,973.85	5,192.59	6,642.12
RESIDUAL FUEL	45.31	61.74	54.48	75.45	122.19	95.30	97.21	91.12	76.37	200.95	271.52
ELECTRICITY	25.45	28.39	32.38	38.44	64.55	79.40	80.54	62.79	62.95	80.49	80.14
ELECTRIC UTILITIES											
TOTAL ENERGY	338.08	432.65	513.22	626.21	1,369.91	1,339.90	1,310.06	1,513.19	1,408.11	1,810.34	2,349.79
OTHER COAL	127.57	104.53	76.37	74.64	180.87	177.88	159.52	182.12	190.78	202.57	224.61
NATURAL GAS (DRY)	41.26	44.08	35.59	35.50	26.81	12.23	5.80	5.93	1.89	179.59	342.81
TOTAL PETROLEUM	158.35	267.17	382.83	478.13	1,128.29	1,108.36	1,088.05	1,243.61	1,128.42	1,335.83	1,660.49
DISTILLATE FUEL	9.26	27.06	39.37	36.17	63.82	55.40	46.99	47.28	61.59	27.00	24.84
JET FUEL	.00	.00	35.35	27.48	29.93	18.47	24.09	15.65	9.90	10.64	.74
PETROLEUM COKE	.00	.00	.00	.00	1.20	.00	.00	.00	.00	.00	.00
RESIDUAL FUEL	149.09	240.12	308.11	414.48	1,033.34	1,034.49	1,016.97	1,180.68	1,056.94	1,298.20	1,634.91
NUCLEAR POWER	10.90	16.87	18.43	37.94	33.94	41.43	56.69	81.53	87.02	91.24	121.63
WOOD AND WASTE	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.11	.24

NOTE: EXCLUDES NET IMPORTS OF COAL COKE TO THE INDUSTRIAL SECTOR BY STATE.
NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE EXPENDITURES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL SINCE THERE ARE NO ASSOCIATED FUEL COSTS FOR THESE ENERGY SOURCES.
NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MEXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.
NOTE: COAL INCLUDES ANTHRACITE, BITUMINOUS, AND LIGNITE EXCEPT IN THE TRANSPORTATION SECTOR WHICH DOES NOT CONSUME ANTHRACITE.
NOTE: RESIDENTIAL, COMMERCIAL, INDUSTRIAL, AND TRANSPORTATION EXPENDITURES EXCLUDE ENERGY EXPENDITURES FOR WOOD AND WOOD WASTE.
NOTE: EXPENDITURES ON NET IMPORTS OF COAL COKE ARE NOT DISTRIBUTED BY STATE; THEREFORE, THE SUM OF THE TOTAL EXPENDITURES BY STATE WILL NOT EQUAL THE TOTAL U.S. EXPENDITURE.
SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, THE ENERGY, PRICE, AND EXPENDITURES DATA SYSTEM (EPEDS)

Table 102. Average Annual Fuel Prices by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: New York (Dollars per Million Btu)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
ALL FUELS	2.1464	2.3292	2.4615	2.8458	3.7232	4.4120	4.6210	5.2228	5.5741	6.8994	8.5748
OTHER COAL	.4995	1.6492	1.2885	1.4902	2.0407	2.7748	2.8025	3.0350	2.9950	2.8710	3.0213
NATURAL GAS	1.3693	1.4662	1.5828	1.6903	1.9550	2.4985	2.8301	3.2452	3.6327	4.0610	4.8351
TOTAL PETROLEUM	1.4110	1.4733	1.5015	1.8098	2.4610	2.8987	3.0619	3.4789	3.7342	5.0129	7.2116
DISTILLATE FUEL	1.3581	1.4398	1.4473	1.7298	2.3575	2.8167	2.9689	3.3758	3.6482	4.8764	7.0985
KEROSENE	1.5622	1.6629	1.6494	2.0234	3.0360	3.2758	3.4319	3.8682	4.1000	5.5697	8.5043
LPG	2.7169	1.9695	2.6718	3.7338	4.3427	4.4779	4.9053	5.7540	5.7717	7.2600	8.2400
ELECTRICITY	8.8198	9.4915	10.0461	10.9758	14.9695	16.4232	16.9628	18.3957	18.9824	20.9284	24.1358
COMMERCIAL SECTOR											
ALL FUELS	2.0598	2.4722	2.6800	3.1054	4.6742	5.5648	5.5158	6.1841	6.0869	7.9039	9.8250
OTHER COAL	.4907	.5083	.5196	.5005	.9782	1.2476	1.2524	1.3050	1.4156	1.5335	1.5918
NATURAL GAS	1.1654	1.2392	1.2749	1.3299	1.5538	1.9719	2.3170	2.8234	3.0164	3.4391	4.1628
TOTAL PETROLEUM	.7182	.8778	.9140	1.0943	1.9717	2.2999	2.3148	2.6560	2.7090	3.7882	5.7041
DISTILLATE FUEL	1.1407	1.2110	1.2151	1.4585	1.9821	2.5536	2.7043	3.1219	3.3210	4.5817	6.6064
KEROSENE	.7358	.7842	.7828	.9508	2.2840	2.5047	2.5369	2.9040	3.0714	5.0248	7.2030
LPG	1.5010	1.4679	1.4367	1.5142	2.5707	3.1990	3.2753	3.9887	3.9356	4.3141	5.7249
MOTOR GASOLINE	2.9208	3.0172	3.1462	3.3550	4.5082	4.8042	4.9025	5.1696	5.3374	7.3388	10.1275
RESIDUAL FUEL	.4834	.6652	.7083	.8613	1.8884	2.0559	2.0229	2.3258	2.2961	3.1332	5.0716
ELECTRICITY	7.7780	8.8961	9.4945	10.5957	15.1738	16.5216	17.3283	18.6241	17.9251	19.6315	23.7761
INDUSTRIAL SECTOR											
ALL FUELS	.9492	1.1248	1.2315	1.3410	2.3900	2.8340	2.8109	3.2440	3.5501	4.2251	5.5580
METALLURGICAL COAL	.6011	.7285	.7892	.8688	1.6423	2.2027	2.1788	2.2004	2.4104	2.3923	2.4577
OTHER COAL	.4907	.5083	.5196	.5005	.9782	1.2476	1.2524	1.3050	1.4156	1.5335	1.5918
NATURAL GAS	.6798	.7542	.8384	.8813	1.0837	1.4701	1.5514	1.8955	2.2433	2.6768	3.4172
TOTAL PETROLEUM	.7665	.8991	.9430	1.0370	2.1138	2.3238	2.3590	2.6563	2.7681	3.5592	5.7050
ASPHALT	.6983	.7864	.8039	.8023	1.5999	1.8385	1.9344	2.0481	2.2208	2.5493	3.6628
DISTILLATE FUEL	.7007	.7468	.7455	.9055	2.1751	2.3622	2.4275	2.7897	2.9408	3.9195	6.7864
JET FUEL	.0000	.0000	.0000	.0000	.0000	2.1311	2.3125	2.6560	.0000	.0000	.0000
KEROSENE	.7358	.7842	.7828	.9508	2.2840	2.5047	2.5369	2.9040	3.0714	5.0248	7.2030
LPG	1.5010	1.4679	1.4367	1.5142	2.5707	3.1990	3.2753	3.9887	3.9356	4.3141	5.7249
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.9208	3.0172	3.1462	3.3550	4.5082	4.8042	4.9025	5.1696	5.3374	7.3388	10.1275
RESIDUAL FUEL	.4728	.6505	.6927	.8423	1.8467	2.0105	2.0009	2.2570	2.2745	2.8145	4.5686
ROAD OIL	.7240	.7884	.7913	.7913	1.7167	1.8987	1.9541	2.0513	2.3418	2.3735	4.2203
OTHER PETROLEUM PRODUCTS	.7282	.7576	.7551	.9355	2.0341	2.2361	2.3887	2.6898	2.8327	3.9074	6.2121
ELECTRICITY	3.5161	3.9000	4.1702	4.4389	6.7594	8.0037	8.0084	8.9884	9.2791	10.4502	12.2203
TRANSPORTATION SECTOR											
ALL FUELS	2.1494	2.2528	2.3819	2.5614	3.6670	4.0336	4.1817	4.4583	4.6857	6.3065	8.8395
OTHER COAL	.4907	.5083	.5196	.5005	.9782	1.2476	1.2524	1.3050	.0000	.0000	.0000
NATURAL GAS	.2291	.2419	.2586	.2647	.3027	.3824	.5343	.8418	1.0526	1.4131	1.9019
TOTAL PETROLEUM	2.1428	2.2445	2.3708	2.5462	3.6336	3.9896	4.1401	4.4316	4.6593	6.2778	8.8317
AVIATION GASOLINE	3.4553	3.5236	3.4986	3.7615	5.2408	5.6360	5.8299	6.4522	7.0471	10.0673	14.3106
DISTILLATE FUEL	1.4289	1.4409	1.3964	1.7348	2.6788	2.8169	2.9999	3.4368	3.6387	5.1890	7.3825
JET FUEL	.7630	.8015	.7993	.9481	1.6341	2.1311	2.3125	2.6560	3.0251	4.0789	6.6411
LPG	1.5010	1.4679	1.4367	1.5142	2.5707	3.1990	3.2753	3.9887	3.9356	4.3141	5.7249
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.9208	3.0172	3.1462	3.3550	4.5082	4.8042	4.9025	5.1696	5.3374	7.3388	10.1275
RESIDUAL FUEL	.3915	.5387	.5736	.6974	1.5291	1.6632	1.6927	1.8946	1.7817	2.5938	3.7993
ELECTRICITY	4.8210	5.5008	6.2998	7.3643	12.4024	13.6612	13.8443	11.4297	13.4246	15.2516	15.0059
ELECTRIC UTILITIES											
ALL FUELS	.4178	.4995	.5882	.7209	1.6074	1.5353	1.4733	1.5933	1.5043	2.0641	2.6642
OTHER COAL	.4650	.5280	.5150	.5206	1.1569	1.2078	1.0825	1.1334	1.2658	1.3178	1.4141
NATURAL GAS	.3771	.4339	.4623	.4982	.6861	.8756	1.0709	1.4082	1.4938	2.2864	2.6653
TOTAL PETROLEUM	.4183	.5388	.6630	.8311	2.0390	1.9545	1.9311	2.2084	2.0644	2.9874	4.2653
DISTILLATE FUEL	.4929	.6329	.7348	.8983	2.2434	2.0892	2.3082	2.6579	2.6592	4.3040	5.6105
JET FUEL	.0000	.0000	1.6237	1.7533	2.3453	2.3570	2.5184	2.7972	2.8119	4.4774	6.5302
PETROLEUM COKE	.0000	.0000	.0000	.0000	.5200	.0000	.0000	.0000	.0000	.0000	.0000
RESIDUAL FUEL	.4144	.5299	.6137	.7981	2.0268	1.9419	1.9062	2.1875	2.0328	2.9605	4.2492
NUCLEAR POWER	.2323	.2387	.2641	.4815	.3279	.2869	.3277	.3677	.3665	.4633	.5930
WOOD AND WASTE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	1.5000	1.8100

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE PRICES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: THE FOLLOWING FUEL SECTOR PRICES HAVE BEEN SUBSTITUTED (SEE THE DOCUMENTATION FOR THE DETAILS), COAL COMMERCIAL = COAL INDUSTRIAL, KEROSENE COMMERCIAL = KEROSENE INDUSTRIAL, LPG COMMERCIAL = LPG INDUSTRIAL, MOTOR GASOLINE COMMERCIAL = MOTOR GASOLINE TRANSPORTATION; JET FUEL INDUSTRIAL = JET FUEL TRANSPORTATION, MOTOR GASOLINE INDUSTRIAL = MOTOR GASOLINE TRANSPORTATION, OTHER PETROLEUM PRODUCTS INDUSTRIAL = DISTILLATE INDUSTRIAL UNITED STATES; COAL TRANSPORTATION = COAL INDUSTRIAL, LPG TRANSPORTATION = LPG INDUSTRIAL, LUBRICANTS TRANSPORTATION = LUBRICANTS INDUSTRIAL.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 103. Fuel Expenditures and Electricity Sales by Fuel Type, 1970-1980: North Carolina (Million Dollars)

ENERGY EXPENDITURES ALL SECTORS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
COAL											
METALLURGICAL COAL	0	0	0	0	0	0	0	0	0	0	0
OTHER COAL	36	33	28	32	64	63	50	61	77	73	65
(INCLUDING ELECTRICITY GENERATION)	210	229	227	281	837	503	490	721	720	740	910
TOTAL COAL	36	33	28	32	64	63	50	61	77	73	65
(INCLUDING ELECTRICITY GENERATION)	210	229	227	281	837	503	490	721	720	740	910
NATURAL GAS											
TOTAL NATURAL GAS	96	110	124	135	147	179	189	195	210	377	491
(INCLUDING ELECTRICITY GENERATION)	105	120	133	139	148	180	189	195	210	379	496
PETROLEUM PRODUCTS											
ASPHALT AND ROAD OIL	16	18	21	25	36	36	36	47	52	60	73
AVIATION GASOLINE	7	7	7	8	10	9	6	9	11	12	18
DISTILLATE FUEL OIL	139	139	149	206	322	330	402	493	478	792	942
(INCLUDING ELECTRICITY GENERATION)	146	145	154	211	333	334	406	514	500	802	959
JET FUEL	21	22	19	22	37	47	48	63	71	102	197
(INCLUDING ELECTRICITY GENERATION)	21	22	19	22	37	47	48	63	71	102	197
KEROSENE	87	85	74	73	92	95	109	125	122	107	144
LIQUEFIED PETROLEUM GASES	40	36	42	55	82	75	87	92	120	152	176
LUBRICANTS	31	33	36	39	54	54	59	72	78	103	107
MOTOR GASOLINE	836	918	993	1,088	1,455	1,599	1,778	1,881	2,023	2,552	3,378
RESIDUAL FUEL	16	33	46	48	101	93	154	202	162	202	235
(INCLUDING ELECTRICITY GENERATION)	19	39	61	69	154	94	154	202	169	202	236
ALL OTHER PETROLEUM PRODUCTS	7	8	8	11	26	33	36	48	48	57	79
(INCLUDING ELECTRICITY GENERATION)	7	8	8	11	26	33	36	48	48	57	79
TOTAL PETROLEUM	1,199	1,300	1,396	1,574	2,215	2,371	2,717	3,031	3,165	4,138	5,350
(INCLUDING ELECTRICITY GENERATION)	1,209	1,312	1,415	1,600	2,279	2,375	2,721	3,052	3,194	4,148	5,368
NUCLEAR POWER, ELECTRICITY GENERATION	0	0	0	0	0	4	9	29	47	34	23
WOOD AND WASTE, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
ELECTRICITY SALES	575	664	758	891	1,144	1,392	1,617	1,865	2,073	2,197	2,470
TOTAL (INCLUDING ELECTRICITY SALES, EXCLUDING ELECTRICITY GENERATION)	1,907	2,107	2,306	2,631	3,570	4,005	4,573	5,153	5,525	6,785	8,375
TOTAL (EXCLUDING ELECTRICITY SALES, INCLUDING ELECTRICITY GENERATION)	1,524	1,661	1,775	2,019	3,264	3,063	3,409	3,997	4,171	5,301	6,797

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: THERE ARE NO PURCHASED FUEL EXPENDITURES FOR ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: DATA FOR 1980 DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.

NOTE: THE "ALL OTHER PETROLEUM PRODUCTS" CATEGORY INCLUDES NATURAL GASOLINE, UNFRACTIONATED STREAM, PLANT CONDENSATE, PETRO CHEMICAL FEEDSTOCKS, SPECIAL NAPHTHAS, PETROLEUM COKE (NOT CONSUMED IN ELECTRIC UTILITIES), STILL GAS, WAX, AND MISCELLANEOUS PRODUCTS. THE "(INCLUDING ELECTRICITY GENERATION)" CATEGORY INCLUDES PETROLEUM COKE FUEL EXPENDITURES FOR ELECTRIC UTILITIES.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE; THEREFORE, THE SUM OF ALL STATES WILL NOT EQUAL TOTAL U.S.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 104. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: North Carolina (Million Dollars)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
TOTAL ENERGY	478.84	524.31	567.92	642.96	808.09	895.11	1,062.28	1,236.21	1,338.19	1,510.36	1,748.19
OTHER COAL	1.81	3.11	3.69	5.15	9.13	6.87	5.67	5.88	5.50	3.24	4.21
NATURAL GAS (DRY)	35.77	40.96	46.63	42.50	45.30	55.70	72.00	90.76	104.69	112.94	141.25
TOTAL PETROLEUM	169.01	164.23	162.42	184.02	244.42	229.93	275.30	305.52	300.83	424.44	489.23
DISTILLATE FUEL	62.33	61.97	66.78	79.13	109.53	113.24	136.50	159.35	149.02	251.10	283.05
KEROSENE	79.81	78.58	68.14	69.16	84.10	82.19	96.04	100.97	97.09	92.37	124.24
LPG	26.88	23.68	27.50	35.73	50.79	34.50	42.76	45.20	54.72	80.98	81.94
ELECTRICITY	272.26	316.01	355.19	411.29	509.24	602.62	709.31	834.05	927.18	969.73	1,113.51
COMMERCIAL SECTOR											
TOTAL ENERGY	195.40	227.17	256.79	298.89	369.43	418.50	478.61	557.96	604.68	676.40	812.05
OTHER COAL	3.94	3.56	3.33	3.89	7.93	8.64	5.77	5.24	6.22	3.84	4.72
NATURAL GAS (DRY)	20.83	26.03	25.96	26.01	26.78	37.81	40.92	55.76	56.60	73.67	98.29
TOTAL PETROLEUM	19.82	20.46	21.81	24.48	36.21	37.90	45.51	52.76	51.35	78.76	130.44
DISTILLATE FUEL	10.21	9.95	10.67	12.81	18.93	19.57	23.61	27.99	25.66	46.13	61.97
KEROSENE	1.08	1.02	.87	.92	1.59	1.57	1.86	1.98	1.88	1.92	4.55
LPG	2.80	2.73	2.90	2.63	3.71	3.91	4.17	4.98	6.62	7.25	9.56
MOTOR GASOLINE	5.26	5.72	5.91	6.61	8.75	9.89	10.94	11.29	12.03	16.40	40.29
RESIDUAL FUEL	.46	1.03	1.47	1.52	3.23	2.96	4.92	6.52	5.16	7.06	14.08
ELECTRICITY	150.81	177.13	205.69	244.50	298.51	334.16	386.41	444.21	490.52	520.14	578.61
INDUSTRIAL SECTOR											
TOTAL ENERGY	320.27	360.52	408.76	480.34	738.85	888.27	1,025.16	1,180.25	1,232.96	1,514.21	1,766.65
METALLURGICAL COAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER COAL	30.49	26.74	21.25	22.45	47.06	47.44	38.24	50.12	65.06	65.73	56.24
NATURAL GAS (DRY)	38.66	41.24	50.16	64.79	73.68	84.80	75.19	46.76	46.74	184.24	239.76
TOTAL PETROLEUM	99.33	121.83	140.30	158.17	282.25	301.10	390.18	496.28	466.16	557.07	693.19
ASPHALT	16.15	18.04	21.01	24.91	36.04	36.35	36.17	46.56	51.89	59.96	73.19
DISTILLATE FUEL	19.11	19.51	20.36	25.00	46.61	53.20	72.81	95.80	76.28	104.51	146.16
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KEROSENE	5.99	5.78	5.44	3.27	6.36	10.93	11.37	21.73	22.75	12.61	15.19
LPG	9.83	9.65	11.28	16.36	27.19	36.25	40.12	41.36	57.79	63.28	83.41
LUBRICANTS	11.99	13.90	15.03	18.39	25.10	25.27	28.02	33.99	37.17	48.77	50.74
MOTOR GASOLINE	14.90	15.38	14.22	14.03	18.74	18.68	19.04	15.38	15.91	18.97	26.21
RESIDUAL FUEL	14.77	31.65	44.56	45.60	95.85	87.53	146.80	193.83	156.14	192.43	218.75
ROAD OIL	*	.00	.00	.00	.22	.01	.01	.00	.00	.00	.08
OTHER PETROLEUM PRODUCTS	6.59	7.92	8.41	10.60	26.15	32.88	35.85	47.62	48.23	56.54	79.46
ELECTRICITY	151.79	170.70	197.06	234.94	335.86	454.92	521.55	587.08	655.01	707.17	777.46
TRANSPORTATION SECTOR											
TOTAL ENERGY	912.29	995.02	1,072.92	1,208.86	1,653.52	1,803.13	2,006.82	2,178.24	2,348.88	3,084.32	4,048.55
OTHER COAL	.05	.04	.02	.02	.02	.01	*	*	.00	.00	.00
NATURAL GAS (DRY)	1.16	1.33	1.37	1.40	1.12	1.09	1.29	1.37	2.18	6.50	11.66
TOTAL PETROLEUM	911.08	993.66	1,071.53	1,207.45	1,652.37	1,802.03	2,005.53	2,176.87	2,346.70	3,077.82	4,036.89
AVIATION GASOLINE	7.26	7.22	7.20	7.74	9.75	8.58	6.46	9.45	10.86	12.17	18.00
DISTILLATE FUEL	47.29	47.41	51.09	89.05	147.43	144.21	168.73	209.97	227.02	390.17	451.09
JET FUEL	20.97	22.20	19.32	21.68	37.27	47.30	48.38	62.98	71.32	101.70	197.46
LPG	.15	.16	.21	.26	.44	.42	.43	.55	.56	.62	.81
LUBRICANTS	19.14	19.05	20.60	20.91	28.53	28.25	31.31	37.77	41.31	54.21	56.39
MOTOR GASOLINE	815.55	897.17	972.67	1,067.08	1,427.16	1,570.56	1,748.00	1,854.73	1,994.62	2,516.92	3,311.02
RESIDUAL FUEL	.73	.46	.43	.73	1.80	2.71	2.22	1.40	1.01	2.04	2.12
ELECTRICITY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRIC UTILITIES											
TOTAL ENERGY	191.94	218.08	226.59	279.04	837.45	449.20	453.49	709.70	719.22	712.97	890.98
OTHER COAL	173.78	196.03	198.74	249.05	772.44	440.23	440.25	660.26	643.55	666.89	844.80
NATURAL GAS (DRY)	8.10	10.10	8.46	4.02	1.01	.15	.02	*	.01	1.80	5.55
TOTAL PETROLEUM	10.06	11.94	19.39	25.97	64.00	4.41	4.27	20.67	29.04	10.10	17.76
DISTILLATE FUEL	7.39	5.68	4.99	5.11	10.75	4.09	4.27	20.67	21.93	10.10	16.83
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PETROLEUM COKE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RESIDUAL FUEL	2.67	6.26	14.40	20.86	53.25	.32	.00	.00	7.12	.00	.94
NUCLEAR POWER	.00	.00	.00	.00	.00	4.41	8.94	28.77	46.61	34.18	22.87
WOOD AND WASTE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

* LESS THAN .005.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE TO THE INDUSTRIAL SECTOR BY STATE.

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE EXPENDITURES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL SINCE THERE ARE NO ASSOCIATED FUEL COSTS FOR THESE ENERGY SOURCES.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MEXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: COAL INCLUDES ANTHRACITE, BITUMINOUS, AND LIGNITE EXCEPT IN THE TRANSPORTATION SECTOR WHICH DOES NOT CONSUME ANTHRACITE.

NOTE: RESIDENTIAL, COMMERCIAL, INDUSTRIAL, AND TRANSPORTATION EXPENDITURES EXCLUDE ENERGY EXPENDITURES FOR WOOD AND WOOD WASTE.

NOTE: EXPENDITURES ON NET IMPORTS OF COAL COKE ARE NOT DISTRIBUTED BY STATE; THEREFORE, THE SUM OF THE TOTAL EXPENDITURES BY STATE WILL NOT EQUAL THE TOTAL U.S. EXPENDITURE.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, THE ENERGY, PRICE, AND EXPENDITURES DATA SYSTEM (EPEDS)

Table 105. Average Annual Fuel Prices by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: North Carolina (Dollars per Million Btu)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
ALL FUELS	2.3818	2.5971	2.7979	3.2953	4.5830	5.1569	5.5723	6.3473	6.9535	7.7640	9.3679
OTHER COAL	.4404	.8750	1.1058	1.3528	2.5032	2.0583	2.1723	2.8067	2.6433	2.4740	2.6990
NATURAL GAS	1.2683	1.3054	1.3740	1.4654	1.6488	1.9881	2.0950	2.7596	2.9379	3.4406	4.0614
TOTAL PETROLEUM	1.4236	1.4523	1.4881	1.8541	2.9891	2.9707	3.2213	3.5850	3.8837	5.0991	7.2907
DISTILLATE FUEL	1.2360	1.2920	1.2984	1.5711	2.5856	2.7441	2.9334	3.2763	3.5373	4.6442	6.9299
KEROSENE	1.4012	1.4529	1.4802	1.7666	2.7295	2.9574	3.1991	3.6169	3.8676	5.2449	7.9767
LPG	2.3712	2.1455	2.3546	3.6711	5.9083	4.1359	4.8006	5.2150	5.3500	7.0050	7.6700
ELECTRICITY	5.4428	5.8667	6.2794	6.5226	8.0282	9.2961	10.4011	11.1868	11.9984	12.5680	13.3876
COMMERCIAL SECTOR											
ALL FUELS	2.4754	2.6373	2.9281	3.2964	4.3574	5.1160	5.7512	6.6266	7.0051	7.4329	8.3142
OTHER COAL	.5178	.5396	.5379	.5502	1.1711	1.3933	1.1902	1.3459	1.6087	1.5750	1.6284
NATURAL GAS	.9384	.9587	1.0444	1.1066	1.2452	1.7149	2.0035	2.9895	2.7353	3.0261	3.6674
TOTAL PETROLEUM	1.2200	1.2538	1.2433	1.4779	2.5078	2.7223	2.8089	3.1251	3.3256	4.4151	6.6909
DISTILLATE FUEL	1.0312	1.0561	1.0563	1.2954	2.2759	2.4150	2.5838	2.9300	3.1017	4.3442	6.3893
KEROSENE	.7951	.7938	.7891	.9844	2.1674	2.3704	2.6045	2.9799	3.1464	4.5747	6.8008
LPG	1.4014	1.4040	1.4085	1.5316	2.4453	2.6531	2.6560	3.2567	3.6677	3.5540	5.0689
MOTOR GASOLINE	2.8233	2.9788	2.9815	3.1427	4.1727	4.5480	4.8332	4.9541	5.1202	6.8285	9.7093
RESIDUAL FUEL	.4144	.5920	.6369	.7883	1.8217	1.9648	1.9585	2.2815	2.1356	2.9925	4.5522
ELECTRICITY	4.5869	4.9090	5.2594	5.6169	7.0966	8.4309	9.2568	9.9207	10.5890	11.2142	11.9357
INDUSTRIAL SECTOR											
ALL FUELS	1.0371	1.1065	1.1716	1.3422	2.2038	2.9762	3.1791	3.5911	3.8798	4.1738	5.1385
METALLURGICAL COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
OTHER COAL	.5178	.5396	.5379	.5502	1.1711	1.3933	1.1902	1.3459	1.6087	1.5750	1.6284
NATURAL GAS	.4995	.5219	.5830	.6641	.8288	1.3389	1.6538	2.3238	1.9209	2.6186	2.7349
TOTAL PETROLEUM	.8445	.8782	.8746	1.0518	2.0505	2.3189	2.3316	2.6060	2.7281	3.3841	5.1181
ASPHALT	.6720	.7193	.7675	.8142	1.3930	1.7968	1.8237	1.9808	2.2001	2.5755	3.5739
DISTILLATE FUEL	.7274	.7262	.7219	.9005	1.9828	2.1923	2.4017	2.7279	2.8635	3.7263	6.1019
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
KEROSENE	.7951	.7938	.7891	.9844	2.1674	2.3704	2.6045	2.9799	3.1464	4.5747	6.8008
LPG	1.4014	1.4040	1.4085	1.5316	2.4453	2.6531	2.6560	3.2567	3.6677	3.5540	5.0689
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.8233	2.9788	2.9815	3.1427	4.1727	4.5480	4.8332	4.9541	5.1202	6.8285	9.7093
RESIDUAL FUEL	.4052	.5790	.6228	.7709	1.7814	1.9214	1.9373	2.2141	2.1155	2.6881	4.1007
ROAD OIL	.7009	.0000	.0000	.0000	1.6516	1.8756	1.9155	.0000	.0000	.0000	4.2392
OTHER PETROLEUM PRODUCTS	.7282	.7576	.7551	.9355	2.0341	2.2361	2.3887	2.6898	2.8327	3.9074	6.2121
ELECTRICITY	2.7634	2.9177	3.1306	3.3987	4.9015	6.3870	6.7275	7.2608	7.9739	8.2151	9.0228
TRANSPORTATION SECTOR											
ALL FUELS	2.4942	2.6443	2.6845	2.8412	3.8849	4.2608	4.5378	4.7119	4.8843	6.4415	9.1409
OTHER COAL	.5178	.5396	.5379	.5502	1.1711	1.3933	1.1902	1.3459	.0000	.0000	.0000
NATURAL GAS	.1833	.2068	.2197	.2286	.2439	.3017	.4530	.6133	.8247	1.2721	1.9397
TOTAL PETROLEUM	2.5355	2.6870	2.7238	2.8794	3.9249	4.2950	4.5642	4.7319	4.9067	6.4972	9.2399
AVIATION GASOLINE	3.4553	3.5236	3.4986	3.7615	5.2408	5.6360	5.8299	6.4522	7.0471	9.1521	13.6450
DISTILLATE FUEL	1.2892	1.3218	1.3590	1.7422	2.9131	3.0920	3.2850	3.6872	3.8280	5.2008	7.2660
JET FUEL	.7993	.8400	.8370	.9933	1.7119	2.2326	2.3722	2.8019	3.1058	4.3364	7.0906
LPG	1.4014	1.4040	1.4085	1.5316	2.4453	2.6531	2.6560	3.2567	3.6677	3.5540	5.0689
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.8233	2.9788	2.9815	3.1427	4.1727	4.5480	4.8332	4.9541	5.1202	6.8285	9.7093
RESIDUAL FUEL	.3356	.4794	.5157	.6383	1.4751	1.5896	1.6389	1.8585	1.6571	2.4773	3.4102
ELECTRICITY	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
ELECTRIC UTILITIES											
ALL FUELS	.4167	.4666	.4549	.5222	1.6289	.9966	.8481	1.2333	1.2466	1.2073	1.3637
OTHER COAL	.4070	.4540	.4430	.5125	1.6155	1.0164	.8714	1.3026	1.4085	1.2951	1.4392
NATURAL GAS	.3717	.4683	.4902	.5061	.9174	1.4041	3.3832	4.1540	3.0111	2.9530	3.1518
TOTAL PETROLEUM	.8479	.8532	.6007	.6419	1.8353	2.1808	2.4382	2.7261	2.5157	3.9577	5.6669
DISTILLATE FUEL	.9149	.9870	.7313	.8672	2.2451	2.2210	2.4382	2.7261	2.8048	3.9577	5.8240
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
PETROLEUM COKE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
RESIDUAL FUEL	.7052	.7598	.5657	.6035	1.7701	1.7750	.0000	.0000	1.9094	.0000	3.8163
NUCLEAR POWER	.0000	.0000	.0000	.0000	.0000	.2851	.3222	.4717	.4296	.4718	.3722
WOOD AND WASTE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE PRICES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: THE FOLLOWING FUEL SECTOR PRICES HAVE BEEN SUBSTITUTED (SEE THE DOCUMENTATION FOR THE DETAILS), COAL COMMERCIAL = COAL INDUSTRIAL, KEROSENE COMMERCIAL = KEROSENE INDUSTRIAL, LPG COMMERCIAL = LPG INDUSTRIAL, MOTOR GASOLINE COMMERCIAL = MOTOR GASOLINE TRANSPORTATION; JET FUEL INDUSTRIAL = JET FUEL TRANSPORTATION, MOTOR GASOLINE INDUSTRIAL = MOTOR GASOLINE TRANSPORTATION, OTHER PETROLEUM PRODUCTS INDUSTRIAL = DISTILLATE INDUSTRIAL UNITED STATES; COAL TRANSPORTATION = COAL INDUSTRIAL, LPG TRANSPORTATION = LPG INDUSTRIAL, LUBRICANTS TRANSPORTATION = LUBRICANTS INDUSTRIAL.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 106. Fuel Expenditures and Electricity Sales by Fuel Type, 1970-1980: North Dakota (Million Dollars)

ENERGY EXPENDITURES ALL SECTORS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
COAL											
METALLURGICAL COAL	0	0	0	0	0	0	0	0	0	0	0
OTHER COAL	6	6	6	4	9	15	12	14	23	18	18
(INCLUDING ELECTRICITY GENERATION)	18	21	23	23	31	66	49	59	201	92	114
TOTAL COAL	6	6	6	4	9	15	12	14	23	18	18
(INCLUDING ELECTRICITY GENERATION)	18	21	23	23	31	66	49	59	201	92	114
NATURAL GAS											
TOTAL NATURAL GAS	17	19	23	21	28	36	46	53	64	71	80
(INCLUDING ELECTRICITY GENERATION)	17	20	24	21	28	36	46	53	64	71	80
PETROLEUM PRODUCTS											
ASPHALT AND ROAD OIL	7	10	7	9	16	15	15	12	17	16	19
AVIATION GASOLINE	5	4	4	4	5	4	4	4	5	6	8
DISTILLATE FUEL OIL	30	31	33	37	60	67	67	72	78	231	328
(INCLUDING ELECTRICITY GENERATION)	31	31	33	37	60	67	68	73	80	240	331
JET FUEL	9	10	9	10	18	22	22	27	28	40	67
(INCLUDING ELECTRICITY GENERATION)	9	10	9	10	18	22	22	27	28	40	67
KEROSENE	2	2	1	1	1	1	1	1	1	0	1
LIQUEFIED PETROLEUM GASES	12	12	13	18	19	19	24	25	28	45	50
LUBRICANTS	6	5	6	6	8	9	10	11	12	15	16
MOTOR GASOLINE	130	143	131	164	214	248	273	291	313	368	466
RESIDUAL FUEL	4	3	5	7	12	14	12	11	12	14	15
(INCLUDING ELECTRICITY GENERATION)	4	4	5	7	12	14	12	11	12	14	15
ALL OTHER PETROLEUM PRODUCTS	4	3	3	3	10	12	9	8	8	19	38
(INCLUDING ELECTRICITY GENERATION)	4	3	3	3	10	12	9	8	8	19	38
TOTAL PETROLEUM	209	224	211	259	363	410	436	463	502	755	1,006
(INCLUDING ELECTRICITY GENERATION)	210	225	211	259	364	411	437	464	503	764	1,009
NUCLEAR POWER, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
WOOD AND WASTE, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
ELECTRICITY SALES	67	71	82	90	99	108	123	140	172	189	195
TOTAL (INCLUDING ELECTRICITY SALES, EXCLUDING ELECTRICITY GENERATION)	300	321	322	374	500	570	617	670	760	1,033	1,298
TOTAL (EXCLUDING ELECTRICITY SALES, INCLUDING ELECTRICITY GENERATION)	245	266	258	303	423	512	531	575	768	927	1,203

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: THERE ARE NO PURCHASED FUEL EXPENDITURES FOR ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: DATA FOR 1980 DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.

NOTE: THE "ALL OTHER PETROLEUM PRODUCTS" CATEGORY INCLUDES NATURAL GASOLINE, UNFRACTIONATED STREAM, PLANT CONDENSATE, PETRO CHEMICAL FEEDSTOCKS, SPECIAL NAPHTHAS, PETROLEUM COKE (NOT CONSUMED IN ELECTRIC UTILITIES), STILL GAS, WAX, AND MISCELLANEOUS PRODUCTS. THE "(INCLUDING ELECTRICITY GENERATION)" CATEGORY INCLUDES PETROLEUM COKE FUEL EXPENDITURES FOR ELECTRIC UTILITIES.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE; THEREFORE, THE SUM OF ALL STATES WILL NOT EQUAL TOTAL U.S.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 107. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: North Dakota (Million Dollars)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
TOTAL ENERGY	65.89	68.10	75.37	79.00	90.78	106.33	121.28	130.06	155.83	214.78	225.56
OTHER COAL	.37	1.35	.95	.90	1.56	4.25	4.25	2.65	4.24	3.28	2.77
NATURAL GAS (DRY)	8.47	9.44	11.67	9.35	11.62	15.68	18.57	21.81	29.37	33.95	36.15
TOTAL PETROLEUM	19.84	18.04	19.04	24.15	27.35	26.96	30.37	28.95	31.85	78.81	86.18
DISTILLATE FUEL	7.93	6.81	7.69	7.11	11.44	11.22	10.48	8.01	8.58	43.85	47.13
KEROSENE	1.78	1.70	1.28	.99	.35	.33	.45	.46	.35	.00	.21
LPG	10.14	9.53	10.07	16.04	15.56	15.42	19.43	20.48	22.92	34.95	38.85
ELECTRICITY	37.20	39.26	43.71	44.61	50.25	59.44	68.09	76.65	90.37	98.74	100.46
COMMERCIAL SECTOR											
TOTAL ENERGY	27.64	27.82	30.40	34.12	46.43	49.94	55.50	59.56	75.47	96.17	120.84
OTHER COAL	.88	.71	.65	.54	1.92	1.80	1.54	2.31	3.78	2.04	2.10
NATURAL GAS (DRY)	5.83	7.00	7.94	8.59	11.78	14.01	16.83	19.13	23.32	30.31	36.84
TOTAL PETROLEUM	5.46	5.32	5.30	5.94	12.33	12.96	12.22	10.48	11.84	23.94	40.78
DISTILLATE FUEL	1.51	1.27	1.42	1.37	2.36	2.34	2.18	1.67	1.77	9.40	24.10
KEROSENE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LPG	1.08	1.12	1.17	1.10	1.86	1.97	2.39	2.37	2.18	4.16	4.37
MOTOR GASOLINE	2.24	2.47	1.55	1.79	2.40	2.34	2.07	2.13	2.33	2.68	3.73
RESIDUAL FUEL	.63	.47	1.15	1.68	5.71	6.31	5.58	4.32	5.56	7.71	8.58
ELECTRICITY	15.49	14.78	16.52	19.06	20.39	21.17	24.92	27.63	36.53	39.89	41.12
INDUSTRIAL SECTOR											
TOTAL ENERGY	83.29	89.71	87.23	101.42	147.53	159.56	157.13	158.68	180.82	268.15	322.79
METALLURGICAL COAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER COAL	4.80	3.82	4.00	2.80	5.72	9.25	6.27	9.13	14.95	13.01	12.90
NATURAL GAS (DRY)	2.93	3.01	3.70	3.14	4.41	5.91	10.09	11.76	11.23	6.17	6.52
TOTAL PETROLEUM	60.91	65.56	57.53	68.94	108.58	116.80	110.80	101.63	109.94	198.55	250.26
ASPHALT	6.05	5.77	4.95	6.76	12.88	13.78	13.81	11.79	14.98	14.91	17.40
DISTILLATE FUEL	9.99	9.50	9.32	9.86	19.97	24.98	22.23	15.62	16.80	80.25	98.97
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KEROSENE	.26	.26	.22	.28	1.06	.81	.63	.80	1.09	.00	.41
LPG	1.00	1.13	1.41	1.03	1.84	1.80	1.82	2.31	3.33	6.35	6.68
LUBRICANTS	1.02	.71	.77	1.97	2.69	1.19	1.32	1.55	1.69	2.22	2.31
MOTOR GASOLINE	34.40	38.01	32.12	38.58	50.18	54.06	54.99	54.62	55.78	68.48	78.23
RESIDUAL FUEL	3.29	2.27	3.93	4.86	6.50	7.23	6.46	6.52	6.50	6.03	6.09
ROAD OIL	1.28	4.66	2.31	2.24	3.39	.79	.77	.70	1.59	.83	1.80
OTHER PETROLEUM PRODUCTS	3.61	3.25	2.51	3.35	10.08	12.16	8.78	7.71	8.18	19.48	38.37
ELECTRICITY	14.65	17.33	21.99	26.54	28.81	27.61	29.97	36.16	44.70	50.43	53.11
TRANSPORTATION SECTOR											
TOTAL ENERGY	123.15	134.99	129.23	159.87	215.02	253.70	282.78	321.50	347.99	453.83	629.21
OTHER COAL	.01	.01	*	*	*	*	*	*	.00	.00	.00
NATURAL GAS (DRY)	*	*	.06	*	.01	.03	.05	.05	.10	.16	.30
TOTAL PETROLEUM	123.15	134.98	129.16	159.86	215.01	253.67	282.73	321.44	347.89	453.67	628.91
AVIATION GASOLINE	4.56	4.42	3.96	3.85	5.20	4.36	3.81	4.22	4.97	6.34	7.65
DISTILLATE FUEL	11.02	13.24	14.08	18.40	25.85	28.26	32.47	46.65	50.90	97.63	157.65
JET FUEL	8.80	9.94	9.09	9.81	17.70	22.05	21.77	27.10	27.68	39.56	66.53
LPG	.01	*	.01	*	.01	.01	.01	.01	.02	.03	.03
LUBRICANTS	5.04	4.60	4.98	3.82	5.21	7.78	8.62	9.02	9.86	12.94	13.46
MOTOR GASOLINE	93.61	102.71	97.05	123.98	161.04	191.21	216.05	234.45	254.46	296.48	383.58
RESIDUAL FUEL	.11	.07	.00	.00	.00	.00	.00	.00	.00	.69	.00
ELECTRICITY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRIC UTILITIES											
TOTAL ENERGY	12.27	16.33	17.74	18.73	22.29	51.14	37.58	45.94	179.59	82.67	99.22
OTHER COAL	11.98	15.20	17.40	18.52	21.86	50.71	36.57	44.48	177.99	73.49	96.22
NATURAL GAS (DRY)	.13	.15	.13	.13	.03	.11	.02	.05	.03	.03	.03
TOTAL PETROLEUM	.16	.98	.21	.09	.40	.32	.98	1.42	1.57	9.16	2.97
DISTILLATE FUEL	.06	.02	.10	.08	.24	.32	.98	1.42	1.57	9.16	2.97
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PETROLEUM COKE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RESIDUAL FUEL	.10	.96	.12	.01	.17	.00	.00	.00	.00	.00	.00
NUCLEAR POWER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WOOD AND WASTE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

* LESS THAN .005.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE TO THE INDUSTRIAL SECTOR BY STATE.

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE EXPENDITURES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL SINCE THERE ARE NO ASSOCIATED FUEL COSTS FOR THESE ENERGY SOURCES.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MEXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: COAL INCLUDES ANTHRACITE, BITUMINOUS, AND LIGNITE EXCEPT IN THE TRANSPORTATION SECTOR WHICH DOES NOT CONSUME ANTHRACITE.

NOTE: RESIDENTIAL, COMMERCIAL, INDUSTRIAL, AND TRANSPORTATION EXPENDITURES EXCLUDE ENERGY EXPENDITURES FOR WOOD AND WOOD WASTE.

NOTE: EXPENDITURES ON NET IMPORTS OF COAL COKE ARE NOT DISTRIBUTED BY STATE; THEREFORE, THE SUM OF THE TOTAL EXPENDITURES BY STATE WILL NOT EQUAL THE TOTAL U.S. EXPENDITURE.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, THE ENERGY, PRICE, AND EXPENDITURES DATA SYSTEM (EPEDS)

Table 108. Average Annual Fuel Prices by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: North Dakota (Dollars per Million Btu)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
ALL FUELS	2.4501	2.6252	2.6328	3.2351	3.4461	3.9121	4.4681	4.9454	5.0578	5.8389	7.1431
OTHER COAL	.2768	1.1538	.9806	.9714	1.0038	3.0875	3.6404	1.6300	1.7700	2.0032	2.1328
NATURAL GAS	1.0039	1.0775	1.0980	1.1171	1.1877	1.5075	1.7902	2.1059	2.3280	2.8779	3.6610
TOTAL PETROLEUM	1.6079	1.6427	1.6447	2.5185	3.0147	3.0241	3.5288	4.1445	4.1826	5.3375	7.1667
DISTILLATE FUEL	1.2341	1.3137	1.3184	1.5495	2.5046	2.5455	2.7969	3.1957	3.3693	4.7952	6.9266
KEROSENE	1.6490	1.6320	1.6269	1.9209	2.6721	2.6882	2.9871	3.4059	3.6198	.0000	7.3985
LPG	2.0947	2.0039	2.0313	3.5792	3.5581	3.5142	4.1292	4.7150	4.6100	6.2200	7.4800
ELECTRICITY	7.7915	7.8192	8.0149	8.0570	8.4695	9.1656	9.7337	10.4566	11.0406	11.5024	11.9884
COMMERCIAL SECTOR											
ALL FUELS	1.6113	1.6317	1.6668	1.8578	1.9929	2.1340	2.4498	2.7817	3.0338	3.7937	4.8119
OTHER COAL	.3532	.3287	.3577	.3104	.6668	.7046	.7111	.7657	.8500	.6692	.8714
NATURAL GAS	.6796	.7500	.7827	.8525	.9980	1.1051	1.3533	1.6714	1.9381	2.4718	3.2627
TOTAL PETROLEUM	1.4536	1.6211	1.3760	1.5522	2.1305	2.3731	2.3854	2.6741	2.5652	3.8765	5.4040
DISTILLATE FUEL	1.0382	1.0784	1.0772	1.3195	2.2751	2.3403	2.5642	2.9375	3.0685	4.5312	6.4752
KEROSENE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
LPG	1.2591	1.3343	1.3385	1.3842	2.4124	2.5453	2.8768	3.0942	2.4829	4.1909	4.7660
MOTOR GASOLINE	2.8286	2.9684	2.5990	3.1310	4.2228	4.6930	4.9938	5.3147	5.5189	7.1450	9.6681
RESIDUAL FUEL	.9622	1.0702	1.0896	1.1799	1.6737	1.9794	1.8428	1.9750	2.0296	2.8177	3.4023
ELECTRICITY	6.5964	6.5597	6.7678	6.9492	7.2317	7.8106	8.4884	9.1408	9.6595	10.3054	10.6342
INDUSTRIAL SECTOR											
ALL FUELS	1.0926	1.2016	1.2181	1.4792	2.1808	2.3195	2.4057	2.5663	2.6347	3.7540	5.4388
METALLURGICAL COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
OTHER COAL	.3532	.3287	.3577	.3104	.6668	.7046	.7111	.7657	.8500	.6692	.8714
NATURAL GAS	.1790	.1868	.2301	.2203	.3018	.4142	.5301	.7152	.7531	1.1042	3.1941
TOTAL PETROLEUM	1.3893	1.4888	1.4084	1.6765	2.6935	3.0764	3.2691	3.4504	3.5138	4.8378	6.7402
ASPHALT	.7670	.8709	.8727	.8696	1.7865	2.0819	1.9971	2.0595	2.1808	2.5806	3.7837
DISTILLATE FUEL	.7895	.7846	.7769	1.0246	2.1906	2.7245	2.9940	2.7485	2.9837	4.9239	6.9377
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
KEROSENE	.8455	.8402	.8320	1.0973	2.3460	2.9465	3.2181	2.9638	3.2470	.0000	7.2627
LPG	1.2591	1.3343	1.3385	1.3842	2.4124	2.5453	2.8768	3.0942	2.4829	4.1909	4.7660
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.8286	2.9684	2.5990	3.1310	4.2228	4.6930	4.9938	5.3147	5.5189	7.1450	9.6681
RESIDUAL FUEL	.9410	1.0466	1.0656	1.1539	1.6367	1.9357	1.8228	1.9166	2.0105	2.5311	3.0649
ROAD OIL	.9092	.9783	.9740	.9859	2.0510	2.0886	2.1708	2.1758	2.2212	2.5818	4.5696
OTHER PETROLEUM PRODUCTS	.7282	.7576	.7551	.9355	2.0341	2.2361	2.3887	2.6898	2.8327	3.9074	6.2121
ELECTRICITY	5.9631	5.9799	6.2987	6.3681	6.9779	8.0389	8.3752	9.0197	9.2383	9.4013	9.8776
TRANSPORTATION SECTOR											
ALL FUELS	2.2450	2.3008	2.1167	2.5500	3.5674	4.0328	4.3485	4.6200	4.8377	6.2965	8.6254
OTHER COAL	.3532	.3287	.3577	.3104	.6668	.7046	.7111	.7657	.0000	.0000	.0000
NATURAL GAS	.1961	.1961	.2397	.2790	.3119	.5077	.5696	.7465	.9528	1.5490	1.7233
TOTAL PETROLEUM	2.2459	2.3017	2.1254	2.5508	3.5694	4.0364	4.3532	4.6241	4.8435	6.3033	8.6420
AVIATION GASOLINE	3.4553	3.5236	3.4986	3.7615	5.2408	5.6360	5.8299	6.4522	7.0471	9.7345	14.2274
DISTILLATE FUEL	1.3134	1.3045	1.3178	1.5858	2.5273	2.6452	2.8893	3.2344	3.3644	5.0452	7.1636
JET FUEL	.8052	.8459	.8430	1.0000	1.7237	2.2481	2.4552	2.8820	3.1130	4.3186	6.9102
LPG	1.2591	1.3343	1.3385	1.3842	2.4124	2.5453	2.8768	3.0942	2.4829	4.1909	4.7660
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.8286	2.9684	2.5990	3.1310	4.2228	4.6930	4.9938	5.3147	5.5189	7.1450	9.6681
RESIDUAL FUEL	.4403	.6542	.0000	.0000	.0000	.0000	.0000	.0000	.0000	2.4985	.0000
ELECTRICITY	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
ELECTRIC UTILITIES											
ALL FUELS	.2520	.2652	.2689	.2863	.3189	.8712	.4406	.4642	1.5261	.6007	.6434
OTHER COAL	.2490	.2540	.2660	.2850	.3140	.8685	.4310	.4520	1.5199	.5430	.6260
NATURAL GAS	.3574	.3922	.3903	.3544	.4211	.6645	.4918	1.0453	1.2211	1.4930	1.8704
TOTAL PETROLEUM	.7630	.7215	.8938	.9179	1.8653	2.1170	2.4863	2.7635	2.8687	4.0516	6.0728
DISTILLATE FUEL	1.2323	1.2059	1.2903	.9327	2.0434	2.1170	2.4863	2.7635	2.8687	4.0516	6.0728
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
PETROLEUM COKE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
RESIDUAL FUEL	.6239	.7152	.7101	.8150	1.6591	.0000	.0000	.0000	.0000	.0000	.0000
NUCLEAR POWER	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
WOOD AND WASTE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE PRICES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: THE FOLLOWING FUEL SECTOR PRICES HAVE BEEN SUBSTITUTED (SEE THE DOCUMENTATION FOR THE DETAILS), COAL COMMERCIAL = COAL INDUSTRIAL, KEROSENE COMMERCIAL = KEROSENE INDUSTRIAL, LPG COMMERCIAL = LPG INDUSTRIAL, MOTOR GASOLINE COMMERCIAL = MOTOR GASOLINE TRANSPORTATION; JET FUEL INDUSTRIAL = JET FUEL TRANSPORTATION, MOTOR GASOLINE INDUSTRIAL = MOTOR GASOLINE TRANSPORTATION, OTHER PETROLEUM PRODUCTS INDUSTRIAL = DISTILLATE INDUSTRIAL UNITED STATES; COAL TRANSPORTATION = COAL INDUSTRIAL, LPG TRANSPORTATION = LPG INDUSTRIAL, LUBRICANTS TRANSPORTATION = LUBRICANTS INDUSTRIAL.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 109. Fuel Expenditures and Electricity Sales by Fuel Type, 1970-1980: Ohio (Million Dollars)

ENERGY EXPENDITURES ALL SECTORS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
COAL											
METALLURGICAL COAL	155	158	212	256	474	555	537	535	544	550	548
OTHER COAL	196	157	170	149	322	314	278	294	329	253	194
(INCLUDING ELECTRICITY GENERATION)	427	454	513	592	1,497	1,395	1,271	1,382	1,622	1,683	1,721
TOTAL COAL	351	315	382	405	797	868	815	829	872	803	741
(INCLUDING ELECTRICITY GENERATION)	582	612	725	848	1,971	1,949	1,808	1,917	2,166	2,233	2,268
NATURAL GAS											
TOTAL NATURAL GAS	777	863	966	963	1,094	1,253	1,585	1,737	2,048	2,270	2,972
(INCLUDING ELECTRICITY GENERATION)	786	874	974	973	1,110	1,261	1,592	1,742	2,054	2,282	2,986
PETROLEUM PRODUCTS											
ASPHALT AND ROAD OIL	44	48	53	64	99	118	109	126	138	155	178
AVIATION GASOLINE	9	9	8	9	12	12	11	12	13	18	27
DISTILLATE FUEL OIL	209	229	266	303	524	572	759	869	960	1,155	1,828
(INCLUDING ELECTRICITY GENERATION)	213	235	278	316	565	617	810	937	1,045	1,225	1,890
JET FUEL	27	32	32	39	56	77	84	103	115	157	273
(INCLUDING ELECTRICITY GENERATION)	27	32	35	41	59	79	88	107	119	159	273
KEROSENE	41	40	33	38	60	56	81	97	90	106	104
LIQUEFIED PETROLEUM GASES	56	58	64	94	125	134	142	165	170	231	280
LUBRICANTS	133	127	138	155	212	205	227	227	249	326	339
MOTOR GASOLINE	1,637	1,724	1,808	1,936	2,747	2,949	3,046	3,309	3,427	4,410	5,623
RESIDUAL FUEL	17	19	22	29	74	126	133	185	169	152	138
(INCLUDING ELECTRICITY GENERATION)	21	22	26	37	108	135	136	211	199	180	140
ALL OTHER PETROLEUM PRODUCTS	61	64	70	88	187	211	248	310	313	498	733
(INCLUDING ELECTRICITY GENERATION)	61	64	70	88	187	211	248	310	313	498	733
TOTAL PETROLEUM	2,236	2,349	2,495	2,755	4,097	4,459	4,841	5,403	5,646	7,209	9,524
(INCLUDING ELECTRICITY GENERATION)	2,243	2,359	2,514	2,778	4,175	4,514	4,898	5,501	5,763	7,308	9,588
NUCLEAR POWER, ELECTRICITY GENERATION	0	0	0	0	0	0	0	1	7	9	10
WOOD AND WASTE, ELECTRICITY GENERATION	*	*	*	*	*	*	*	*	*	*	*
ELECTRICITY SALES	1,352	1,490	1,652	1,871	2,415	2,793	3,039	3,681	4,127	4,598	4,976
TOTAL (INCLUDING ELECTRICITY SALES, EXCLUDING ELECTRICITY GENERATION)	4,716	5,018	5,495	5,996	8,403	9,374	10,279	11,651	12,694	14,880	18,213
TOTAL (EXCLUDING ELECTRICITY SALES, INCLUDING ELECTRICITY GENERATION)	3,611	3,844	4,213	4,599	7,256	7,724	8,298	9,160	9,990	11,831	14,852

* LESS THAN .5.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: THERE ARE NO PURCHASED FUEL EXPENDITURES FOR ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: DATA FOR 1980 DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.

NOTE: THE "ALL OTHER PETROLEUM PRODUCTS" CATEGORY INCLUDES NATURAL GASOLINE, UNFRACTIONATED STREAM, PLANT CONDENSATE, PETRO CHEMICAL FEEDSTOCKS, SPECIAL NAPHTHAS, PETROLEUM COKE (NOT CONSUMED IN ELECTRIC UTILITIES), STILL GAS, WAX, AND MISCELLANEOUS PRODUCTS. THE "(INCLUDING ELECTRICITY GENERATION)" CATEGORY INCLUDES PETROLEUM COKE FUEL EXPENDITURES FOR ELECTRIC UTILITIES.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE; THEREFORE, THE SUM OF ALL STATES WILL NOT EQUAL TOTAL U.S.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 110. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Ohio (Million Dollars)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
TOTAL ENERGY	1,072.00	1,173.99	1,282.98	1,373.36	1,709.34	1,977.72	2,256.39	2,646.33	2,923.75	3,061.70	3,754.23
OTHER COAL	5.29	12.81	13.02	13.46	37.78	27.97	29.02	35.48	35.93	23.30	16.18
NATURAL GAS (DRY)	415.59	455.25	506.13	485.14	539.34	641.56	775.91	884.74	1,002.63	1,042.06	1,407.30
TOTAL PETROLEUM	120.62	124.75	131.60	171.30	245.69	269.65	348.71	412.93	415.37	379.99	468.40
DISTILLATE FUEL	65.10	68.47	74.94	82.48	137.67	153.81	214.22	262.08	276.08	212.92	286.75
KEROSENE	24.06	23.64	20.68	24.27	35.48	33.84	51.20	60.47	56.66	49.62	46.58
LPG	31.45	32.63	35.98	64.55	72.54	81.99	83.29	90.38	82.63	117.45	135.06
ELECTRICITY	530.51	581.18	632.23	703.47	886.53	1,038.54	1,102.75	1,313.18	1,469.82	1,616.35	1,862.34
COMMERCIAL SECTOR											
TOTAL ENERGY	543.02	599.83	672.45	734.92	911.32	1,018.33	1,145.90	1,340.67	1,484.63	1,637.21	2,046.06
OTHER COAL	11.79	9.34	9.81	9.62	22.70	22.09	21.97	26.89	31.74	18.62	11.53
NATURAL GAS (DRY)	140.57	156.28	183.46	181.02	206.91	226.92	289.19	308.10	383.67	408.28	555.41
TOTAL PETROLEUM	24.63	25.82	29.12	34.09	60.29	84.32	96.50	113.99	115.25	118.27	230.27
DISTILLATE FUEL	11.27	11.71	12.78	14.37	25.28	28.51	39.38	48.57	50.49	40.53	95.04
KEROSENE	.76	.72	.64	.72	1.59	1.51	2.27	2.60	2.45	2.43	5.19
LPG	3.87	4.16	4.77	5.06	8.79	9.71	10.61	11.62	11.22	14.63	18.58
MOTOR GASOLINE	6.17	6.25	8.23	10.17	14.18	23.73	22.74	19.49	20.68	34.64	102.19
RESIDUAL FUEL	2.56	2.99	2.71	3.77	10.45	20.87	21.50	31.70	30.42	26.03	9.26
ELECTRICITY	366.04	408.38	450.05	510.19	621.41	685.00	738.25	891.69	953.97	1,092.04	1,248.85
INDUSTRIAL SECTOR											
TOTAL ENERGY	1,331.62	1,368.48	1,544.83	1,730.79	2,712.98	3,054.57	3,367.75	3,860.04	4,273.05	4,931.91	5,511.95
METALLURGICAL COAL	154.97	157.56	211.56	256.50	474.28	554.62	537.14	534.67	543.83	549.93	547.54
OTHER COAL	178.89	134.79	147.29	125.63	261.70	263.54	226.84	232.01	260.91	211.00	166.02
NATURAL GAS (DRY)	218.19	248.52	272.84	293.45	344.98	380.49	516.23	537.16	653.22	800.11	986.97
TOTAL PETROLEUM	324.80	327.26	343.58	397.88	725.74	786.83	890.84	1,080.80	1,113.11	1,482.73	1,948.30
ASPHALT	43.83	47.79	52.55	62.86	95.64	113.01	107.59	126.03	137.65	154.27	177.16
DISTILLATE FUEL	52.68	50.42	50.28	58.51	136.57	146.20	198.58	228.05	237.06	322.66	465.46
JET FUEL	.00	.00	.00	.00	.00	.77	.32	.27	.00	.00	.00
KEROSENE	16.41	15.61	11.92	12.84	23.32	20.17	27.66	33.49	31.32	54.19	52.10
LPG	20.70	21.16	23.28	24.25	43.21	41.18	47.24	61.43	75.15	97.98	124.45
LUBRICANTS	87.41	82.63	89.37	99.03	135.15	112.69	124.92	142.56	155.90	204.57	212.82
MOTOR GASOLINE	29.67	30.89	27.02	26.36	41.52	37.72	33.78	33.21	31.51	36.27	57.28
RESIDUAL FUEL	12.64	14.55	18.94	24.98	59.73	98.59	101.56	145.27	131.30	114.47	124.57
ROAD OIL	.43	.34	.53	.96	3.49	5.03	1.06	.32	.64	.25	.95
OTHER PETROLEUM PRODUCTS	61.04	63.87	69.71	88.10	187.12	211.48	248.14	310.17	312.57	498.05	733.50
ELECTRICITY	454.77	500.34	569.56	657.32	906.28	1,069.09	1,196.70	1,475.40	1,701.98	1,888.15	1,863.13
TRANSPORTATION SECTOR											
TOTAL ENERGY	1,769.66	1,875.44	1,995.13	2,156.54	3,069.64	3,323.14	3,509.33	3,803.66	4,012.12	5,249.27	6,900.98
OTHER COAL	.52	.33	.32	.22	.29	.11	.05	.04	.00	.00	.00
NATURAL GAS (DRY)	2.76	3.40	3.54	3.86	3.20	3.91	4.02	6.96	8.95	19.81	22.07
TOTAL PETROLEUM	1,765.99	1,871.34	1,990.89	2,152.07	3,065.57	3,318.43	3,504.45	3,795.50	4,001.98	5,227.95	6,877.32
AVIATION GASOLINE	9.07	8.74	8.13	9.07	12.12	11.51	11.28	12.28	12.99	18.11	26.77
DISTILLATE FUEL	80.35	98.06	127.93	148.08	224.44	243.06	306.74	330.32	396.86	578.77	981.06
JET FUEL	27.44	31.63	32.31	38.62	56.18	76.33	83.91	102.71	115.40	157.31	273.37
LPG	.33	.36	.42	.52	.91	.80	.95	1.19	1.08	1.41	1.79
LUBRICANTS	45.38	44.72	48.37	56.23	76.74	91.97	101.95	84.83	92.77	121.73	126.64
MOTOR GASOLINE	1,601.51	1,686.75	1,772.97	1,899.11	2,691.76	2,887.89	2,989.78	3,256.32	3,375.30	4,339.15	5,463.03
RESIDUAL FUEL	1.90	1.08	.76	.44	3.42	6.86	9.84	7.86	7.57	11.47	4.66
ELECTRICITY	.38	.38	.39	.38	.57	.70	.81	1.15	1.19	1.51	1.59
ELECTRIC UTILITIES											
TOTAL ENERGY	246.38	316.86	369.85	475.09	1,267.80	1,143.72	1,057.31	1,190.78	1,423.75	1,549.00	1,614.41
OTHER COAL	230.47	297.03	342.87	442.62	1,174.43	1,080.94	992.96	1,087.56	1,293.64	1,429.73	1,526.86
NATURAL GAS (DRY)	8.63	10.34	8.12	9.46	15.19	7.68	6.95	4.92	5.27	11.25	14.18
TOTAL PETROLEUM	7.24	9.46	18.82	22.97	78.14	55.11	57.40	97.35	117.64	99.40	63.65
DISTILLATE FUEL	3.83	6.13	12.04	12.48	41.09	45.18	51.26	67.79	84.82	69.91	61.87
JET FUEL	.00	.00	2.93	2.28	2.43	1.55	3.27	3.85	3.41	1.80	.00
PETROLEUM COKE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RESIDUAL FUEL	3.41	3.32	3.84	8.21	34.62	8.38	2.86	25.71	29.40	27.68	1.78
NUCLEAR POWER	.00	.00	.00	.00	.00	.00	.00	.95	7.18	8.60	9.70
WOOD AND WASTE	.04	.03	.04	.03	.03	*	.01	.01	.01	.02	.02

* LESS THAN .005.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE TO THE INDUSTRIAL SECTOR BY STATE.

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE EXPENDITURES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL SINCE THERE ARE NO ASSOCIATED FUEL COSTS FOR THESE ENERGY SOURCES.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MEXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: COAL INCLUDES ANTHRACITE, BITUMINOUS, AND LIGNITE EXCEPT IN THE TRANSPORTATION SECTOR WHICH DOES NOT CONSUME ANTHRACITE.

NOTE: RESIDENTIAL, COMMERCIAL, INDUSTRIAL, AND TRANSPORTATION EXPENDITURES EXCLUDE ENERGY EXPENDITURES FOR WOOD AND WOOD WASTE.

NOTE: EXPENDITURES ON NET IMPORTS OF COAL COKE ARE NOT DISTRIBUTED BY STATE; THEREFORE, THE SUM OF THE TOTAL EXPENDITURES BY STATE WILL NOT EQUAL THE TOTAL U.S. EXPENDITURE.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, THE ENERGY, PRICE, AND EXPENDITURES DATA SYSTEM (EPEDS)

Table 111. Average Annual Fuel Prices by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Ohio (Dollars per Million Btu)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
ALL FUELS	1.6427	1.7926	1.8881	2.1294	2.6502	3.1231	3.3675	4.1183	4.4537	5.3674	6.3701
OTHER COAL	.3197	.8923	1.0711	1.1522	2.5672	2.6202	2.6072	2.8500	2.7275	2.7178	2.9371
NATURAL GAS	.8763	.9582	1.0303	1.0829	1.2086	1.4702	1.7298	2.1602	2.3681	2.7397	3.4903
TOTAL PETROLEUM	1.4053	1.4692	1.4640	1.8547	2.7624	2.9619	3.1039	3.5630	3.6906	5.2308	7.0462
DISTILLATE FUEL	1.2001	1.2775	1.2864	1.3622	2.3452	2.5116	2.7721	3.2023	3.4206	4.7963	6.6559
KEROSENE	1.4245	1.4910	1.4797	1.7485	2.7980	2.8975	3.1092	3.6175	3.7889	5.4090	8.0865
LPG	2.1408	2.1118	2.0377	3.6004	4.1319	4.5259	4.4772	5.2133	4.8944	6.1560	7.6600
ELECTRICITY	6.9830	7.2157	7.3329	7.5724	9.3263	10.9135	11.2514	12.5451	13.6904	14.8494	16.3132
COMMERCIAL SECTOR											
ALL FUELS	1.8252	1.9799	2.0779	2.3238	2.8551	3.5069	3.7110	4.6866	4.8041	5.8716	7.0302
OTHER COAL	.4076	.3733	.4591	.4726	.8603	1.1515	1.0858	1.1854	1.3191	1.1915	1.2006
NATURAL GAS	.7433	.7987	.8585	.9024	1.0497	1.3136	1.5820	2.0291	2.1900	2.5365	3.2633
TOTAL PETROLEUM	1.1446	1.2487	1.3337	1.4547	2.5435	2.7734	2.7563	3.0471	3.1538	4.5174	7.1784
DISTILLATE FUEL	1.0464	1.1002	1.1054	1.1952	2.1688	2.3446	2.5672	2.9890	3.1507	4.5990	6.3269
KEROSENE	.8611	.8775	.8767	.9985	2.4179	2.4836	2.6527	3.0020	3.1546	5.1084	7.0355
LPG	1.4935	1.5243	1.5292	1.6008	2.8370	3.0384	3.2318	3.7989	3.7661	4.3449	5.9716
MOTOR GASOLINE	2.9323	3.0337	3.0303	3.0897	4.4473	4.7257	4.7449	4.9943	5.1382	6.9030	9.4526
RESIDUAL FUEL	.4946	.6750	.7301	.8898	2.0478	2.2153	2.0020	2.3782	2.3876	3.0605	3.8664
ELECTRICITY	6.3144	6.6319	6.7454	7.0976	8.6328	10.0669	10.4351	12.0280	13.0248	14.3572	15.7767
INDUSTRIAL SECTOR											
ALL FUELS	.8160	.8988	.9682	1.0773	1.7117	2.1573	2.2777	2.7070	3.0083	3.4547	4.4249
METALLURGICAL COAL	.4365	.5200	.5958	.6754	1.3419	1.6200	1.5731	1.5808	1.8142	1.8192	2.0592
OTHER COAL	.4076	.3733	.4591	.4726	.8603	1.1515	1.0858	1.1854	1.3191	1.1915	1.2006
NATURAL GAS	.5626	.5980	.6142	.6548	.7878	1.0827	1.3571	1.8488	1.9579	2.2707	3.0037
TOTAL PETROLEUM	1.1053	1.1631	1.1671	1.2763	2.4715	2.5919	2.6663	2.9153	3.0633	4.0436	6.0081
ASPHALT	.7391	.8476	.8758	.8840	1.6368	2.0247	2.0662	2.0667	2.1677	2.5960	3.6612
DISTILLATE FUEL	.7918	.8069	.8062	.9181	2.2232	2.3073	2.4601	2.7554	2.8858	3.8712	6.3758
JET FUEL	.0000	.0000	.0000	.0000	.0000	2.1615	2.4412	2.7631	.0000	.0000	.0000
KEROSENE	.8611	.8775	.8767	.9985	2.4179	2.4836	2.6527	3.0020	3.1546	5.1084	7.0355
LPG	1.4935	1.5243	1.5292	1.6008	2.8370	3.0384	3.2318	3.7989	3.7661	4.3449	5.9716
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.9200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.9323	3.0337	3.0303	3.0897	4.4473	4.7257	4.7449	4.9943	5.1382	6.9030	9.4526
RESIDUAL FUEL	.4837	.6601	.7139	.8702	2.0025	2.1664	1.9803	2.3079	2.3652	2.7492	3.4829
ROAD OIL	.7905	.8942	.9399	.9656	1.7892	2.2433	2.2706	2.3819	2.5288	3.1173	4.5191
OTHER PETROLEUM PRODUCTS	.7282	.7576	.7551	.9355	2.0341	2.2361	2.3887	2.6898	2.8327	3.9074	6.2121
ELECTRICITY	2.9084	3.0978	3.1452	3.2696	4.6302	5.6357	5.5990	6.3952	7.5357	8.2389	9.8776
TRANSPORTATION SECTOR											
ALL FUELS	2.6221	2.7107	2.6791	2.7870	4.0908	4.3685	4.4079	4.6863	4.8128	6.4615	8.7796
OTHER COAL	.4076	.3733	.4591	.4726	.8603	1.1515	1.0858	1.1854	.0000	.0000	.0000
NATURAL GAS	.2230	.2601	.2707	.2957	.3119	.4242	.5112	.8485	.9873	1.3377	1.8859
TOTAL PETROLEUM	2.6710	2.7607	2.7240	2.8309	4.1445	4.4169	4.4465	4.7248	4.8540	6.5557	8.8831
AVIATION GASOLINE	3.4553	3.5236	3.4986	3.7615	5.2408	5.6360	5.8299	6.4522	7.0471	9.6513	14.3106
DISTILLATE FUEL	1.2472	1.3864	1.3613	1.5983	2.5844	2.7335	2.9317	3.3292	3.5027	5.0888	6.8842
JET FUEL	.7741	.8133	.8104	.9615	1.6570	2.1615	2.4412	2.7631	2.9761	4.0641	6.6141
LPG	1.4935	1.5243	1.5292	1.6008	2.8370	3.0384	3.2318	3.7989	3.7661	4.3449	5.9716
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.9323	3.0337	3.0303	3.0897	4.4473	4.7257	4.7449	4.9943	5.1382	6.9030	9.4526
RESIDUAL FUEL	.4005	.5466	.5912	.7205	1.6582	1.7922	1.6752	1.9373	1.8527	2.5335	2.8964
ELECTRICITY	4.0493	4.5046	4.6144	4.9974	7.0716	7.6348	8.5923	11.1505	12.0355	13.1389	13.2180
ELECTRIC UTILITIES											
ALL FUELS	.2981	.3584	.3918	.4617	1.2245	1.0716	.9485	1.0396	1.2315	1.2649	1.4047
OTHER COAL	.2900	.3490	.3780	.4469	1.1989	1.0421	.9146	.9882	1.1934	1.2345	1.3749
NATURAL GAS	.3914	.4830	.4907	.5721	.7188	1.2191	1.2762	1.4148	1.6240	1.9415	2.9140
TOTAL PETROLEUM	.7541	.8190	.9300	1.0499	2.2611	2.3231	2.4304	2.6772	2.7828	3.6771	5.6231
DISTILLATE FUEL	.8334	.8837	.9077	1.1357	2.2655	2.3482	2.4597	2.7852	2.9212	4.0575	5.7169
JET FUEL	.0000	.0000	1.6474	1.7822	2.3333	2.4144	2.6117	3.0826	3.0097	5.1310	.0000
PETROLEUM COKE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
RESIDUAL FUEL	.6811	.7215	.7408	.8543	2.2510	2.1820	1.8797	2.3862	2.4296	2.9293	3.5794
NUCLEAR POWER	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.1876	.2705	.2556	.4303
WOOD AND WASTE	.8000	.8400	.8700	.9200	1.0000	1.1000	1.1500	1.2200	1.3100	1.5000	1.8100

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE PRICES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: THE FOLLOWING FUEL SECTOR PRICES HAVE BEEN SUBSTITUTED (SEE THE DOCUMENTATION FOR THE DETAILS), COAL COMMERCIAL = COAL INDUSTRIAL, KEROSENE COMMERCIAL = KEROSENE INDUSTRIAL, LPG COMMERCIAL = LPG INDUSTRIAL, MOTOR GASOLINE COMMERCIAL = MOTOR GASOLINE TRANSPORTATION; JET FUEL INDUSTRIAL = JET FUEL TRANSPORTATION, MOTOR GASOLINE INDUSTRIAL = MOTOR GASOLINE TRANSPORTATION, OTHER PETROLEUM PRODUCTS INDUSTRIAL = DISTILLATE INDUSTRIAL UNITED STATES; COAL TRANSPORTATION = COAL INDUSTRIAL, LPG TRANSPORTATION = LPG INDUSTRIAL, LUBRICANTS TRANSPORTATION = LUBRICANTS INDUSTRIAL.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 112. Fuel Expenditures and Electricity Sales by Fuel Type, 1970-1980: Oklahoma (Million Dollars)

ENERGY EXPENDITURES ALL SECTORS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
COAL											
METALLURGICAL COAL	0	0	0	0	0	0	0	0	0	0	0
OTHER COAL	*	*	*	2	4	*	2	6	10	10	14
(INCLUDING ELECTRICITY GENERATION)	*	*	*	2	4	*	2	14	47	67	129
TOTAL COAL	*	*	*	2	4	*	2	6	10	10	14
(INCLUDING ELECTRICITY GENERATION)	*	*	*	2	4	*	2	14	47	67	129
NATURAL GAS											
TOTAL NATURAL GAS	138	144	151	158	202	271	393	529	586	836	787
(INCLUDING ELECTRICITY GENERATION)	184	195	215	233	320	458	734	973	1,096	1,370	1,381
PETROLEUM PRODUCTS											
ASPHALT AND ROAD OIL	21	25	25	28	53	70	60	62	64	80	115
AVIATION GASOLINE	9	9	8	9	12	10	10	12	13	15	24
DISTILLATE FUEL OIL	29	27	37	53	113	128	173	215	253	400	482
(INCLUDING ELECTRICITY GENERATION)	29	27	38	55	115	134	175	218	259	403	482
JET FUEL	20	21	20	23	39	50	52	64	79	102	168
(INCLUDING ELECTRICITY GENERATION)	20	21	20	23	39	50	52	64	79	102	168
KEROSENE	4	3	3	3	7	5	4	4	5	18	14
LIQUEFIED PETROLEUM GASES	57	56	57	86	114	112	140	156	173	226	285
LUBRICANTS	23	27	29	39	53	46	51	81	88	116	121
MOTOR GASOLINE	482	496	522	589	785	913	1,011	1,123	1,227	1,490	2,005
RESIDUAL FUEL	2	2	5	8	13	8	8	9	14	13	21
(INCLUDING ELECTRICITY GENERATION)	2	2	6	8	14	9	9	9	14	14	21
ALL OTHER PETROLEUM PRODUCTS	37	36	34	48	104	128	143	190	178	316	595
(INCLUDING ELECTRICITY GENERATION)	37	36	34	48	104	128	143	190	178	316	595
TOTAL PETROLEUM	683	702	741	885	1,293	1,470	1,652	1,916	2,095	2,776	3,829
(INCLUDING ELECTRICITY GENERATION)	683	703	741	887	1,297	1,477	1,654	1,919	2,101	2,780	3,830
NUCLEAR POWER, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
WOOD AND WASTE, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
ELECTRICITY SALES	318	342	398	419	468	519	643	813	935	987	1,199
TOTAL (INCLUDING ELECTRICITY SALES, EXCLUDING ELECTRICITY GENERATION)	1,139	1,188	1,290	1,464	1,967	2,261	2,689	3,264	3,626	4,609	5,829
TOTAL (EXCLUDING ELECTRICITY SALES, INCLUDING ELECTRICITY GENERATION)	868	898	956	1,123	1,620	1,936	2,389	2,907	3,244	4,217	5,340

* LESS THAN .5.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: THERE ARE NO PURCHASED FUEL EXPENDITURES FOR ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: DATA FOR 1980 DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.

NOTE: THE "ALL OTHER PETROLEUM PRODUCTS" CATEGORY INCLUDES NATURAL GASOLINE, UNFRACTIONATED STREAM, PLANT CONDENSATE, PETRO CHEMICAL FEEDSTOCKS, SPECIAL NAPHTHAS, PETROLEUM COKE (NOT CONSUMED IN ELECTRIC UTILITIES), STILL GAS, WAX, AND MISCELLANEOUS PRODUCTS. THE "(INCLUDING ELECTRICITY GENERATION)" CATEGORY INCLUDES PETROLEUM COKE FUEL EXPENDITURES FOR ELECTRIC UTILITIES.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE; THEREFORE, THE SUM OF ALL STATES WILL NOT EQUAL TOTAL U.S.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 113. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Oklahoma (Million Dollars)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
TOTAL ENERGY	286.42	298.23	335.79	365.51	405.92	422.22	511.44	615.11	682.76	752.55	895.25
OTHER COAL	.02	.02	.02	.03	.04	.04	.05	.10	.06	.22	.59
NATURAL GAS (DRY)	65.33	65.95	69.35	67.57	75.99	97.82	123.47	153.60	160.95	186.44	188.71
TOTAL PETROLEUM	36.71	34.54	34.84	59.11	64.10	65.95	87.93	88.64	91.89	131.14	159.72
DISTILLATE FUEL	.01	.02	.05	.07	.15	.16	.24	.23	.30	.16	.57
KEROSENE	.41	.33	.31	.38	.51	.38	.22	.28	.38	.18	.95
LPG	36.28	34.18	34.48	58.65	63.45	65.41	87.47	88.12	91.22	130.80	158.20
ELECTRICITY	184.36	197.72	231.57	238.80	265.79	258.40	299.98	372.78	429.86	434.75	546.23
COMMERCIAL SECTOR											
TOTAL ENERGY	114.59	122.13	139.77	150.26	175.91	219.12	273.38	343.19	385.81	512.57	517.41
OTHER COAL	.05	.03	.02	.03	.05	.04	.06	.12	.06	.24	.59
NATURAL GAS (DRY)	23.01	22.50	24.64	25.78	30.62	39.29	52.57	70.88	76.46	176.88	108.49
TOTAL PETROLEUM	9.65	10.30	12.19	14.94	26.55	25.34	29.17	32.40	35.94	37.51	50.77
DISTILLATE FUEL	.44	.79	1.68	2.39	4.84	5.32	7.82	7.83	9.90	5.45	11.64
KEROSENE	.81	.64	.60	.80	1.97	1.47	.87	1.10	1.52	.75	.59
LPG	4.41	4.66	4.72	5.09	9.54	9.61	10.91	13.58	14.53	16.79	22.34
MOTOR GASOLINE	3.40	3.46	3.52	3.93	5.33	6.28	6.89	7.55	8.14	10.63	15.23
RESIDUAL FUEL	.58	.76	1.68	2.73	4.87	2.66	2.68	2.34	1.85	3.89	.97
ELECTRICITY	81.89	89.29	102.91	109.51	118.68	154.46	191.59	239.79	273.35	297.94	357.56
INDUSTRIAL SECTOR											
TOTAL ENERGY	194.53	212.92	226.71	277.98	468.96	552.65	711.73	945.77	1,060.93	1,424.52	1,809.73
METALLURGICAL COAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER COAL	.00	.05	.03	2.16	3.41	.35	1.65	6.17	9.62	9.56	12.42
NATURAL GAS (DRY)	45.32	50.43	52.15	58.53	89.26	127.57	206.58	288.31	336.57	448.03	457.09
TOTAL PETROLEUM	96.96	107.09	110.59	147.04	292.73	318.45	351.83	450.89	482.94	712.56	1,045.02
ASPHALT	20.02	24.26	24.78	27.59	47.55	64.36	58.59	61.27	63.60	80.27	115.13
DISTILLATE FUEL	6.57	7.78	11.58	16.83	48.48	51.86	75.13	93.63	114.83	150.46	132.70
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KEROSENE	2.87	2.30	1.60	1.90	4.28	2.75	2.99	2.90	3.00	16.94	12.12
LPG	15.20	16.09	17.10	20.75	39.48	34.73	39.16	51.35	65.07	75.22	100.07
LUBRICANTS	6.06	11.49	12.42	19.12	26.10	15.51	17.19	34.47	37.69	49.46	51.45
MOTOR GASOLINE	7.63	7.06	6.55	7.63	9.28	10.38	9.21	9.23	8.57	14.58	18.15
RESIDUAL FUEL	1.43	1.27	2.89	4.78	7.93	4.96	5.63	7.02	11.72	9.24	20.46
ROAD OIL	.66	.97	.12	.12	5.18	5.52	1.09	.66	.77	.00	.01
OTHER PETROLEUM PRODUCTS	36.51	35.88	33.54	48.32	104.46	128.37	142.84	190.37	177.68	316.39	594.92
ELECTRICITY	52.25	55.34	63.94	70.25	83.56	106.28	151.68	200.40	231.80	254.36	295.20
TRANSPORTATION SECTOR											
TOTAL ENERGY	543.88	555.13	587.66	669.95	916.10	1,066.96	1,192.55	1,360.08	1,496.25	1,919.62	2,606.65
OTHER COAL	.00	*	*	*	*	*	*	*	.00	.00	.00
NATURAL GAS (DRY)	4.07	4.67	4.70	5.74	6.39	6.61	9.90	15.81	12.52	25.04	33.06
TOTAL PETROLEUM	539.81	550.46	582.96	664.20	909.71	1,060.35	1,182.65	1,344.27	1,483.73	1,894.57	2,573.60
AVIATION GASOLINE	9.45	8.87	8.32	8.61	11.54	10.34	9.96	11.99	13.33	15.04	23.72
DISTILLATE FUEL	21.53	17.95	23.98	34.07	59.23	70.60	90.24	113.45	128.24	243.54	336.90
JET FUEL	20.08	21.10	19.90	22.90	39.31	50.05	51.77	63.62	78.61	102.21	167.98
LPG	.98	1.02	1.03	1.10	2.02	1.81	1.96	2.73	2.66	3.08	4.10
LUBRICANTS	16.70	15.60	16.88	19.98	27.27	30.43	33.73	46.26	50.59	66.38	69.06
MOTOR GASOLINE	470.91	485.81	511.96	577.40	770.21	896.77	995.00	1,106.23	1,210.29	1,464.32	1,971.85
RESIDUAL FUEL	.16	.09	.90	.14	.12	.36	.00	.00	.00	.00	.00
ELECTRICITY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRIC UTILITIES											
TOTAL ENERGY	46.79	51.99	64.85	77.84	121.24	193.89	343.40	455.57	552.90	594.64	709.98
OTHER COAL	.01	*	.01	.02	.01	.00	.00	7.91	37.73	56.79	115.47
NATURAL GAS (DRY)	46.61	51.68	64.54	75.81	117.83	186.81	341.36	444.76	509.06	533.63	593.96
TOTAL PETROLEUM	.17	.31	.31	2.02	3.41	7.08	2.04	2.91	6.12	4.23	.56
DISTILLATE FUEL	.16	.16	.22	1.17	1.94	5.95	1.79	2.82	6.12	3.68	.56
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PETROLEUM COKE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RESIDUAL FUEL	.01	.15	.09	.85	1.46	1.13	.26	.09	.00	.55	.00
NUCLEAR POWER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WOOD AND WASTE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

* LESS THAN .005.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE TO THE INDUSTRIAL SECTOR BY STATE.

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE EXPENDITURES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL SINCE THERE ARE NO ASSOCIATED FUEL COSTS FOR THESE ENERGY SOURCES.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MEXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: COAL INCLUDES ANTHRACITE, BITUMINOUS, AND LIGNITE EXCEPT IN THE TRANSPORTATION SECTOR WHICH DOES NOT CONSUME ANTHRACITE.

NOTE: RESIDENTIAL, COMMERCIAL, INDUSTRIAL, AND TRANSPORTATION EXPENDITURES EXCLUDE ENERGY EXPENDITURES FOR WOOD AND WOOD WASTE.

NOTE: EXPENDITURES ON NET IMPORTS OF COAL COKE ARE NOT DISTRIBUTED BY STATE; THEREFORE, THE SUM OF THE TOTAL EXPENDITURES BY STATE WILL NOT EQUAL THE TOTAL U.S. EXPENDITURE.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, THE ENERGY, PRICE, AND EXPENDITURES DATA SYSTEM (EPEDS)

Table 114. Average Annual Fuel Prices by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Oklahoma (Dollars per Million Btu)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
ALL FUELS	2.2551	2.3784	2.5190	2.8196	3.1353	3.1480	3.7364	4.2532	4.7376	5.1267	6.2774
OTHER COAL	.2958	.7734	.8259	.9900	1.1197	1.5084	1.6813	1.7188	1.6826	1.6956	2.1651
NATURAL GAS	.8181	.8502	.8702	.8983	1.0174	1.2000	1.4763	1.7361	1.8849	2.1474	2.4059
TOTAL PETROLEUM	1.6531	1.6248	1.5613	2.7590	3.2079	3.1247	4.0952	4.2346	4.3805	5.5682	7.2908
DISTILLATE FUEL	.8442	.8582	.8582	1.0751	2.1615	2.3799	2.5836	2.8787	3.0256	4.6836	6.5623
KEROSENE	1.4139	1.4413	1.4145	1.6744	2.7813	2.8761	3.0871	3.5445	3.7482	5.2572	7.9781
LPG	1.6569	1.6278	1.5647	2.7762	3.2155	3.1287	4.1050	4.2425	4.3900	5.5700	7.2900
ELECTRICITY	7.4086	7.4519	7.4088	7.2458	7.6462	8.2118	9.4511	10.6029	11.3982	11.9811	13.0060
COMMERCIAL SECTOR											
ALL FUELS	1.6742	1.8068	1.8947	2.0900	2.4355	2.9234	3.4251	4.0461	4.5896	5.7024	5.9659
OTHER COAL	.4918	.6105	.3677	.4833	.7342	.7443	1.0060	1.0853	.9785	.9725	1.1640
NATURAL GAS	.5081	.5199	.5472	.6256	.7280	.9214	1.1499	1.4416	1.6456	3.3391	2.2478
TOTAL PETROLEUM	1.1861	1.2536	1.1546	1.2915	2.5461	2.7389	2.9222	3.4877	3.6449	4.4183	6.7573
DISTILLATE FUEL	.8052	.8137	.8114	1.0214	2.0693	2.3072	2.4953	2.8126	2.9331	4.5405	6.3617
KEROSENE	.6179	.6129	.6052	.7740	2.3877	2.4476	2.7107	3.1052	3.3463	4.8820	6.9865
LPG	1.1402	1.2584	1.2139	1.3647	2.7410	2.6046	2.9026	3.7041	3.9619	4.0528	5.8343
MOTOR GASOLINE	2.8211	2.8025	2.7795	2.9949	4.0382	4.5201	4.7552	5.1019	5.3375	6.8693	9.6315
RESIDUAL FUEL	.4871	.5953	.7125	.8657	1.9778	2.1005	2.0318	2.3271	2.2051	2.6922	5.1395
ELECTRICITY	5.4857	5.5657	5.6793	5.7464	6.0337	6.7124	7.9616	9.1354	9.8769	10.5729	11.7452
INDUSTRIAL SECTOR											
ALL FUELS	.5416	.5717	.6072	.7503	1.1775	1.4109	1.5692	2.0065	2.2111	2.5620	3.8190
METALLURGICAL COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
OTHER COAL	.0000	.6105	.3677	.4833	.7342	.7443	1.0060	1.0853	.9785	.9725	1.1640
NATURAL GAS	.2014	.2148	.2274	.2854	.3822	.5621	.7371	1.0451	1.2101	1.3429	1.8152
TOTAL PETROLEUM	.8254	.8947	.8942	1.0579	2.1414	2.2815	2.4391	2.8184	3.0171	3.9809	5.8716
ASPHALT	.6771	.7260	.7748	.8266	1.4233	1.8537	1.9015	2.0086	2.2124	2.5946	3.5955
DISTILLATE FUEL	.5418	.5373	.5307	.6786	2.0935	2.1904	2.3558	2.6636	2.8575	4.2786	6.1772
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
KEROSENE	.6179	.6129	.6052	.7740	2.3877	2.4476	2.7107	3.1052	3.3463	4.8820	6.9865
LPG	1.1402	1.2584	1.2139	1.3647	2.7410	2.6046	2.9026	3.7041	3.9619	4.0528	5.8343
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.8211	2.8025	2.7795	2.9949	4.0382	4.5201	4.7552	5.1019	5.3375	6.8693	9.6315
RESIDUAL FUEL	.4763	.5821	.6967	.8466	1.9341	2.0541	2.0098	2.2583	2.1844	2.4184	4.6298
ROAD OIL	.7009	.7642	.8154	.9520	1.6516	1.8756	1.9155	2.0114	2.2133	.0000	4.2392
OTHER PETROLEUM PRODUCTS	.7282	.7576	.7551	.9355	2.0341	2.2361	2.3887	2.6898	2.8327	3.9074	6.2121
ELECTRICITY	3.1332	3.0936	3.1431	3.2025	3.5803	4.3064	5.5330	6.7181	7.2924	7.5800	8.8328
TRANSPORTATION SECTOR											
ALL FUELS	2.2535	2.2482	2.2431	2.4649	3.4149	3.8391	4.0171	4.3862	4.7293	6.0700	8.5440
OTHER COAL	.0000	.6105	.3677	.4833	.7342	.7443	1.0060	1.0853	.0000	.0000	.0000
NATURAL GAS	.1731	.1751	.1859	.2159	.2591	.2734	.3580	.5657	.6456	.9682	1.4195
TOTAL PETROLEUM	2.4777	2.4993	2.4626	2.7087	3.7342	4.1789	4.3928	4.7646	4.9959	6.5244	9.1327
AVIATION GASOLINE	3.4553	3.5236	3.4986	3.7615	5.2408	5.6360	5.8299	6.4522	7.0471	9.0689	13.7282
DISTILLATE FUEL	1.1036	1.1126	1.1231	1.4705	2.4502	2.5830	2.7777	3.2120	3.3459	5.2150	7.2360
JET FUEL	.8163	.8578	.8548	1.0141	1.7481	2.2793	2.4083	2.8044	3.2368	4.4827	7.1886
LPG	1.1402	1.2584	1.2139	1.3647	2.7410	2.6046	2.9026	3.7041	3.9619	4.0528	5.8343
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.8211	2.8025	2.7795	2.9949	4.0382	4.5201	4.7552	5.1019	5.3375	6.8693	9.6315
RESIDUAL FUEL	.3432	.4555	.4815	.5862	1.2554	1.3201	.0000	.0000	.0000	.0000	.0000
ELECTRICITY	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
ELECTRIC UTILITIES											
ALL FUELS	.1931	.2089	.2420	.2788	.4009	.6203	1.0107	1.2947	1.3919	1.4919	1.6088
OTHER COAL	.3890	.2120	.1940	.3030	.4090	.0000	.0000	1.0757	1.0647	1.0963	1.1543
NATURAL GAS	.1926	.2082	.2413	.2737	.3923	.6052	1.0081	1.2950	1.4162	1.5431	1.7410
TOTAL PETROLEUM	.6216	.5001	.6696	.9302	1.6327	1.8282	1.7628	2.6604	2.6122	4.3674	5.2954
DISTILLATE FUEL	.6327	.5832	.7343	1.2158	1.6280	1.9198	1.8035	2.6897	2.6122	5.0917	5.2954
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
PETROLEUM COKE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
RESIDUAL FUEL	.4706	.4344	.5448	.7039	1.6390	1.4612	1.5253	1.9620	.0000	2.2336	.0000
NUCLEAR POWER	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
WOOD AND WASTE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE PRICES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: THE FOLLOWING FUEL SECTOR PRICES HAVE BEEN SUBSTITUTED (SEE THE DOCUMENTATION FOR THE DETAILS), COAL COMMERCIAL = COAL INDUSTRIAL, KEROSENE COMMERCIAL = KEROSENE INDUSTRIAL, LPG COMMERCIAL = LPG INDUSTRIAL, MOTOR GASOLINE COMMERCIAL = MOTOR GASOLINE TRANSPORTATION; JET FUEL INDUSTRIAL = JET FUEL TRANSPORTATION, MOTOR GASOLINE INDUSTRIAL = MOTOR GASOLINE TRANSPORTATION, OTHER PETROLEUM PRODUCTS INDUSTRIAL = DISTILLATE INDUSTRIAL UNITED STATES; COAL TRANSPORTATION = COAL INDUSTRIAL, LPG TRANSPORTATION = LPG INDUSTRIAL, LUBRICANTS TRANSPORTATION = LUBRICANTS INDUSTRIAL.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 115. Fuel Expenditures and Electricity Sales by Fuel Type, 1970-1980: Oregon (Million Dollars)

ENERGY EXPENDITURES ALL SECTORS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
COAL											
METALLURGICAL COAL	0	0	0	0	0	0	0	0	0	0	0
OTHER COAL	1	2	1	2	2	3	9	9	7	8	9
(INCLUDING ELECTRICITY GENERATION)	1	2	1	2	2	3	9	9	7	8	20
TOTAL COAL	1	2	1	2	2	3	9	9	7	8	9
(INCLUDING ELECTRICITY GENERATION)	1	2	1	2	2	3	9	9	7	8	20
NATURAL GAS											
TOTAL NATURAL GAS	72	83	95	101	117	150	180	170	239	288	370
(INCLUDING ELECTRICITY GENERATION)	73	83	95	102	117	150	180	170	239	296	371
PETROLEUM PRODUCTS											
ASPHALT AND ROAD OIL	8	15	17	16	30	38	30	32	38	52	59
AVIATION GASOLINE	3	2	2	3	4	4	5	6	6	9	15
DISTILLATE FUEL OIL	88	103	111	134	188	196	228	288	305	446	654
(INCLUDING ELECTRICITY GENERATION)	88	103	111	136	200	200	230	298	306	505	668
JET FUEL	9	9	9	13	20	25	28	36	43	59	91
(INCLUDING ELECTRICITY GENERATION)	9	9	9	13	20	25	28	36	43	59	91
KEROSENE	2	1	1	1	4	4	4	7	11	5	5
LIQUEFIED PETROLEUM GASES	10	11	10	12	14	11	10	13	14	20	23
LUBRICANTS	28	23	25	29	40	39	43	45	49	64	67
MOTOR GASOLINE	371	393	411	467	617	674	740	829	930	1,208	1,563
RESIDUAL FUEL	16	22	29	34	66	51	39	41	57	76	102
(INCLUDING ELECTRICITY GENERATION)	16	22	29	34	66	52	39	41	57	76	102
ALL OTHER PETROLEUM PRODUCTS	9	10	11	14	27	25	26	34	34	40	65
(INCLUDING ELECTRICITY GENERATION)	9	10	11	14	27	25	26	34	34	40	65
TOTAL PETROLEUM	544	590	628	722	1,009	1,066	1,152	1,331	1,487	1,980	2,643
(INCLUDING ELECTRICITY GENERATION)	544	590	628	724	1,021	1,071	1,153	1,341	1,488	2,039	2,657
NUCLEAR POWER, ELECTRICITY GENERATION	0	0	0	0	0	*	5	15	3	15	21
WOOD AND WASTE, ELECTRICITY GENERATION	*	*	1	1	*	*	1	3	2	3	3
ELECTRICITY SALES	250	287	304	333	378	463	528	594	689	790	954
TOTAL (INCLUDING ELECTRICITY SALES, EXCLUDING ELECTRICITY GENERATION)	868	962	1,028	1,157	1,507	1,683	1,869	2,104	2,422	3,066	3,976
TOTAL (EXCLUDING ELECTRICITY SALES, INCLUDING ELECTRICITY GENERATION)	619	675	725	829	1,141	1,225	1,347	1,538	1,738	2,361	3,073

* LESS THAN .5.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: THERE ARE NO PURCHASED FUEL EXPENDITURES FOR ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: DATA FOR 1980 DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.

NOTE: THE "ALL OTHER PETROLEUM PRODUCTS" CATEGORY INCLUDES NATURAL GASOLINE, UNFRACTIONATED STREAM, PLANT CONDENSATE, PETRO CHEMICAL FEEDSTOCKS, SPECIAL NAPHTHAS, PETROLEUM COKE (NOT CONSUMED IN ELECTRIC UTILITIES), STILL GAS, WAX, AND MISCELLANEOUS PRODUCTS. THE "(INCLUDING ELECTRICITY GENERATION)" CATEGORY INCLUDES PETROLEUM COKE FUEL EXPENDITURES FOR ELECTRIC UTILITIES.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE; THEREFORE, THE SUM OF ALL STATES WILL NOT EQUAL TOTAL U.S.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 116. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Oregon (Million Dollars)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
TOTAL ENERGY	184.74	214.16	226.16	241.66	280.42	325.44	352.99	395.98	462.48	526.67	629.58
OTHER COAL	.10	.35	.23	.17	.16	.14	.38	.46	.44	.42	.46
NATURAL GAS (DRY)	29.29	33.33	38.47	37.78	42.96	61.98	55.50	33.87	65.40	75.78	100.97
TOTAL PETROLEUM	32.70	36.60	35.45	38.47	49.38	46.14	54.02	69.54	67.90	87.71	97.55
DISTILLATE FUEL	23.99	26.69	27.01	28.46	38.29	38.00	47.29	59.69	57.18	74.29	83.05
KEROSENE	1.02	.55	.35	.14	1.02	1.04	.87	1.67	3.66	2.31	2.05
LPG	7.69	9.35	8.09	9.87	10.07	7.10	5.86	8.17	7.06	11.10	12.45
ELECTRICITY	122.66	143.87	152.00	165.24	187.92	217.18	243.09	292.11	328.74	362.76	430.60
COMMERCIAL SECTOR											
TOTAL ENERGY	122.11	140.52	153.86	166.45	196.85	221.32	235.56	259.40	294.93	352.14	489.69
OTHER COAL	.19	.27	.16	.18	.12	.25	.45	.43	.34	.36	.40
NATURAL GAS (DRY)	14.26	17.47	20.46	19.20	22.48	29.07	32.66	32.68	39.92	50.07	75.89
TOTAL PETROLEUM	19.40	22.13	24.05	25.96	41.29	36.78	38.69	45.88	46.09	53.05	111.65
DISTILLATE FUEL	11.35	12.58	12.74	13.65	19.02	18.75	23.39	29.49	28.05	37.32	71.36
KEROSENE	.24	.12	.07	.04	.45	.50	.46	.88	1.89	1.24	1.53
LPG	.76	.87	.77	.71	.96	.69	.73	.92	.94	1.14	1.44
MOTOR GASOLINE	3.70	3.55	3.36	3.37	4.70	5.09	5.20	5.36	5.43	6.63	14.91
RESIDUAL FUEL	3.35	5.00	7.11	8.19	16.17	11.75	8.92	9.24	9.78	6.71	22.41
ELECTRICITY	88.27	100.65	109.19	121.12	132.96	155.21	163.76	180.42	208.59	248.67	301.75
INDUSTRIAL SECTOR											
TOTAL ENERGY	133.91	150.22	167.24	191.34	279.76	311.85	368.63	402.60	470.77	565.18	777.70
METALLURGICAL COAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER COAL	.96	1.08	.59	1.46	2.16	2.97	7.99	7.91	6.19	6.99	8.00
NATURAL GAS (DRY)	27.40	29.87	33.52	40.66	48.17	54.11	84.57	88.50	116.74	139.63	168.84
TOTAL PETROLEUM	66.21	76.60	90.43	102.51	171.98	164.11	155.06	184.46	196.12	239.81	379.50
ASPHALT	7.90	14.22	16.52	15.51	27.93	37.11	28.60	31.83	38.12	52.40	59.17
DISTILLATE FUEL	15.83	16.90	20.24	25.68	35.17	36.76	43.36	56.89	57.65	85.39	145.60
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KEROSENE	.56	.53	.45	.56	2.26	2.09	2.29	4.48	5.16	1.43	1.58
LPG	1.11	1.21	1.37	1.38	3.04	3.16	3.36	4.18	5.75	6.98	8.81
LUBRICANTS	10.28	8.49	9.19	11.07	15.11	10.70	11.87	13.18	14.41	18.91	19.67
MOTOR GASOLINE	10.74	9.01	9.24	9.62	12.81	13.07	12.14	12.46	11.31	15.29	21.39
RESIDUAL FUEL	10.41	15.42	21.41	24.26	47.51	34.92	26.65	26.94	29.59	18.94	58.24
ROAD OIL	.41	.53	.66	.73	1.63	.92	.94	.41	.14	.09	.06
OTHER PETROLEUM PRODUCTS	8.98	10.29	11.34	13.70	26.52	25.38	25.87	34.09	33.99	40.37	64.98
ELECTRICITY	39.34	42.66	42.70	46.71	57.45	90.67	121.01	121.74	151.73	178.75	221.37
TRANSPORTATION SECTOR											
TOTAL ENERGY	427.12	456.86	480.78	557.95	749.55	824.07	911.43	1,045.93	1,193.70	1,622.39	2,078.93
OTHER COAL	*	*	*	*	*	*	*	*	.00	.00	.00
NATURAL GAS (DRY)	1.19	2.14	2.72	3.14	3.37	4.74	7.08	14.96	16.76	22.81	24.26
TOTAL PETROLEUM	425.93	454.71	478.06	554.81	746.18	819.33	904.35	1,030.97	1,176.94	1,599.58	2,054.68
AVIATION GASOLINE	3.18	1.92	2.08	2.57	3.91	4.04	4.50	5.74	5.96	9.24	14.60
DISTILLATE FUEL	37.03	46.46	50.76	66.55	95.28	102.62	114.34	141.98	162.50	249.10	353.88
JET FUEL	8.92	9.30	9.34	12.72	20.31	24.74	28.18	35.66	42.90	59.18	90.79
LPG	.04	.04	.04	.04	.05	.05	.07	.09	.30	.36	.46
LUBRICANTS	17.82	14.90	16.11	18.14	24.75	27.80	30.82	31.53	34.48	45.25	47.07
MOTOR GASOLINE	356.75	380.82	398.88	453.70	599.14	655.75	722.62	811.62	913.31	1,186.27	1,526.67
RESIDUAL FUEL	2.19	1.28	.84	1.09	2.75	4.33	3.83	4.35	17.49	50.18	21.20
ELECTRICITY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRIC UTILITIES											
TOTAL ENERGY	.95	.64	.63	4.43	12.81	4.99	6.70	28.35	5.66	84.67	50.97
OTHER COAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	11.22
NATURAL GAS (DRY)	.38	.00	.00	1.63	.20	*	*	.01	.00	8.06	1.42
TOTAL PETROLEUM	.20	.36	.09	2.21	12.12	4.98	1.32	9.91	.56	58.75	13.91
DISTILLATE FUEL	.00	.01	.01	2.13	12.12	4.38	1.32	9.91	.56	58.75	13.91
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PETROLEUM COKE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RESIDUAL FUEL	.20	.35	.08	.08	.00	.60	.00	.00	.00	.00	.00
NUCLEAR POWER	.00	.00	.00	.00	.00	.01	4.84	15.13	3.31	14.61	21.42
WOOD AND WASTE	.37	.29	.54	.60	.49	*	.55	3.30	1.78	3.26	3.00

* LESS THAN .005.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE TO THE INDUSTRIAL SECTOR BY STATE.

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE EXPENDITURES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL SINCE THERE ARE NO ASSOCIATED FUEL COSTS FOR THESE ENERGY SOURCES.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MEXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: COAL INCLUDES ANTHRACITE, BITUMINOUS, AND LIGNITE EXCEPT IN THE TRANSPORTATION SECTOR WHICH DOES NOT CONSUME ANTHRACITE.

NOTE: RESIDENTIAL, COMMERCIAL, INDUSTRIAL, AND TRANSPORTATION EXPENDITURES EXCLUDE ENERGY EXPENDITURES FOR WOOD AND WOOD WASTE.

NOTE: EXPENDITURES ON NET IMPORTS OF COAL COKE ARE NOT DISTRIBUTED BY STATE; THEREFORE, THE SUM OF THE TOTAL EXPENDITURES BY STATE WILL NOT EQUAL THE TOTAL U.S. EXPENDITURE.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, THE ENERGY, PRICE, AND EXPENDITURES DATA SYSTEM (EPEDS)

Table 117. Average Annual Fuel Prices by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Oregon (Dollars per Million Btu)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
ALL FUELS	2.4324	2.6140	2.6602	2.9191	3.4999	3.7878	4.4195	5.4856	5.7714	6.2979	8.0200
OTHER COAL	.3353	.8846	.8259	1.1514	1.4535	1.1400	1.9000	2.5200	2.5500	2.5684	2.9678
NATURAL GAS	1.4390	1.5238	1.6057	1.6633	1.9157	2.1136	2.5889	3.2936	3.6618	3.9452	5.3621
TOTAL PETROLEUM	1.5073	1.6133	1.5963	1.9216	2.8551	3.0357	3.2213	3.5685	3.6706	5.0574	7.3340
DISTILLATE FUEL	1.3287	1.4096	1.4169	1.6447	2.6146	2.7984	3.1058	3.3687	3.4939	4.7965	7.0935
KEROSENE	2.7928	2.9863	3.2602	3.3611	3.7475	3.8182	3.8676	4.3013	4.5298	6.4704	9.7726
LPG	2.3482	2.6242	2.6627	3.6899	4.2353	5.2713	4.4449	5.9300	5.3300	7.4200	9.0000
ELECTRICITY	3.6494	3.8917	3.9414	4.1412	4.6639	5.2620	5.8630	6.9170	7.5395	7.7328	9.3173
COMMERCIAL SECTOR											
ALL FUELS	2.2283	2.3433	2.3442	2.6040	3.2256	3.6144	4.0122	4.4867	4.8601	5.6561	7.0644
OTHER COAL	.3407	.3572	.3090	.6535	.5727	1.1070	1.1895	1.2526	1.0439	1.1784	1.4055
NATURAL GAS	1.2173	1.2492	1.3708	1.3716	1.6379	1.7930	2.2904	2.9528	3.2408	3.5586	4.8852
TOTAL PETROLEUM	.9785	1.0599	1.0223	1.1962	2.1445	2.4790	2.6836	2.9695	3.0033	4.3870	6.2394
DISTILLATE FUEL	1.2130	1.2822	1.2900	1.5219	2.5056	2.6638	2.9640	3.2110	3.3079	4.6496	6.8669
KEROSENE	.9156	.9412	.9531	1.2696	2.3284	2.5801	2.8549	3.1537	3.2793	4.8594	7.3111
LPG	1.3127	1.3890	1.4305	1.5103	2.2788	2.8882	3.1542	3.7745	4.0180	4.3198	5.8995
MOTOR GASOLINE	2.8312	2.8638	2.8222	3.0685	4.1550	4.4385	4.5814	4.9260	5.2856	7.2224	9.7517
RESIDUAL FUEL	.4024	.5514	.6002	.7357	1.6297	1.8900	1.7833	1.9832	1.9445	2.5546	4.0598
ELECTRICITY	3.8857	4.1319	4.0948	4.3337	4.7752	5.1815	5.5219	5.8278	6.3791	6.9474	8.4756
INDUSTRIAL SECTOR											
ALL FUELS	.7723	.8219	.8404	.9887	1.5437	1.7602	2.1397	2.4246	2.6821	3.2751	4.7325
METALLURGICAL COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
OTHER COAL	.3407	.3572	.3090	.6535	.5727	1.1070	1.1895	1.2526	1.0439	1.1784	1.4055
NATURAL GAS	.4609	.4886	.5215	.6601	.8525	.9247	1.7060	2.0245	2.4069	2.7770	4.2059
TOTAL PETROLEUM	.8277	.8808	.8781	1.0575	2.0333	2.2280	2.2850	2.5514	2.6283	3.4981	5.3260
ASPHALT	.5739	.8138	.8233	.8498	1.7050	1.7772	1.5920	1.7315	1.9023	2.4317	3.5949
DISTILLATE FUEL	.7966	.8189	.8292	1.1046	2.0258	2.2884	2.4601	2.7588	2.8034	3.7378	6.2896
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
KEROSENE	.9156	.9412	.9531	1.2696	2.3284	2.5801	2.8549	3.1537	3.2793	4.8594	7.3111
LPG	1.3127	1.3890	1.4305	1.5103	2.2788	2.8882	3.1542	3.7745	4.0180	4.3198	5.8995
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.8312	2.8638	2.8222	3.0685	4.1550	4.4385	4.5814	4.9260	5.2856	7.2224	9.7517
RESIDUAL FUEL	.3936	.5392	.5870	.7195	1.5938	1.8483	1.7640	1.9246	1.9262	2.2948	3.6571
ROAD OIL	.6615	.7894	.8538	.9775	1.9476	1.9260	1.7125	1.8257	1.9431	2.4371	4.1150
OTHER PETROLEUM PRODUCTS	.7282	.7576	.7551	.9355	2.0341	2.2361	2.3887	2.6898	2.8327	3.9074	6.2121
ELECTRICITY	1.2638	1.3491	1.4315	1.4262	1.5799	2.1426	2.5139	2.7843	3.2644	3.7394	4.6855
TRANSPORTATION SECTOR											
ALL FUELS	2.3496	2.3971	2.3460	2.5595	3.5937	3.8793	4.0413	4.3589	4.5320	6.0071	8.7000
OTHER COAL	.3407	.3572	.3090	.6535	.5727	1.1070	1.1895	1.2526	.0000	.0000	.0000
NATURAL GAS	.2095	.3053	.2670	.3529	.4501	.5890	.7876	1.6948	1.8959	2.4234	4.2148
TOTAL PETROLEUM	2.4187	2.4772	2.4548	2.6533	3.7106	4.0088	4.1763	4.4607	4.6236	6.1365	8.8107
AVIATION GASOLINE	3.4553	3.5236	3.4986	3.7615	5.2408	5.6360	5.8299	6.4522	7.0471	9.4017	13.1458
DISTILLATE FUEL	1.3302	1.4038	1.3816	1.5724	2.4563	2.6619	2.8179	3.0506	3.1569	4.6916	6.8958
JET FUEL	.7667	.8059	.8030	.9526	1.6422	2.1415	2.4340	2.7423	2.9949	3.9668	6.5057
LPG	1.3127	1.3890	1.4305	1.5103	2.2788	2.8882	3.1542	3.7745	4.0180	4.3198	5.8995
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.8312	2.8638	2.8222	3.0685	4.1550	4.4385	4.5814	4.9260	5.2856	7.2224	9.7517
RESIDUAL FUEL	.3259	.4465	.4860	.5957	1.3197	1.5290	1.4922	1.6155	1.5089	2.1148	3.0413
ELECTRICITY	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
ELECTRIC UTILITIES											
ALL FUELS	.4736	.6864	.8520	.8170	2.2037	2.2993	.2759	.3713	.3029	1.3667	.7338
OTHER COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	1.4122
NATURAL GAS	.3659	.0000	.0000	.5554	.7450	1.2668	1.6430	1.9368	.0000	3.2735	4.2849
TOTAL PETROLEUM	.3946	.5990	.7582	1.1942	2.3995	2.3226	2.2182	2.6625	2.5386	6.1878	6.5260
DISTILLATE FUEL	.0000	.9782	.8774	1.2082	2.3995	2.3119	2.2182	2.6625	2.5386	6.1878	6.5260
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
PETROLEUM COKE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
RESIDUAL FUEL	.3946	.5953	.7452	.9129	.0000	2.4029	.0000	.0000	.0000	.0000	.0000
NUCLEAR POWER	.0000	.0000	.0000	.0000	.0000	.2887	.2082	.2164	.1938	.3054	.3731
WOOD AND WASTE	.8000	.8400	.8700	.9200	1.0000	1.1000	1.1500	1.2200	1.3100	1.5000	1.8100

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE PRICES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: THE FOLLOWING FUEL SECTOR PRICES HAVE BEEN SUBSTITUTED (SEE THE DOCUMENTATION FOR THE DETAILS), COAL COMMERCIAL = COAL INDUSTRIAL, KEROSENE COMMERCIAL = KEROSENE INDUSTRIAL, LPG COMMERCIAL = LPG INDUSTRIAL, MOTOR GASOLINE COMMERCIAL = MOTOR GASOLINE TRANSPORTATION; JET FUEL INDUSTRIAL = JET FUEL TRANSPORTATION, MOTOR GASOLINE INDUSTRIAL = MOTOR GASOLINE TRANSPORTATION, OTHER PETROLEUM PRODUCTS INDUSTRIAL = DISTILLATE INDUSTRIAL UNITED STATES; COAL TRANSPORTATION = COAL INDUSTRIAL, LPG TRANSPORTATION = LPG INDUSTRIAL, LUBRICANTS TRANSPORTATION = LUBRICANTS INDUSTRIAL.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 118. Fuel Expenditures and Electricity Sales by Fuel Type, 1970-1980: Pennsylvania (Million Dollars)

ENERGY EXPENDITURES ALL SECTORS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
COAL											
METALLURGICAL COAL	336	295	368	453	870	976	1,062	874	1,003	1,073	958
OTHER COAL	97	137	108	120	229	268	224	226	250	237	230
(INCLUDING ELECTRICITY GENERATION)	314	413	444	520	972	1,126	1,035	1,023	1,195	1,350	1,470
TOTAL COAL	433	432	476	573	1,098	1,244	1,286	1,100	1,253	1,310	1,189
(INCLUDING ELECTRICITY GENERATION)	650	709	813	973	1,841	2,102	2,097	1,897	2,198	2,424	2,429
NATURAL GAS											
TOTAL NATURAL GAS	668	734	816	827	884	989	1,214	1,459	1,540	2,063	2,612
(INCLUDING ELECTRICITY GENERATION)	672	739	818	828	896	991	1,214	1,460	1,542	2,068	2,623
PETROLEUM PRODUCTS											
ASPHALT AND ROAD OIL	34	39	41	41	73	74	82	91	94	114	127
AVIATION GASOLINE	5	5	5	6	7	7	8	9	10	13	18
DISTILLATE FUEL OIL	413	432	475	584	944	979	1,165	1,363	1,388	2,004	2,614
(INCLUDING ELECTRICITY GENERATION)	426	454	510	610	1,040	1,020	1,217	1,447	1,443	2,077	2,692
JET FUEL	39	39	38	48	81	102	110	128	151	227	378
(INCLUDING ELECTRICITY GENERATION)	39	39	40	50	83	103	110	128	152	227	378
KEROSENE	34	38	44	37	56	55	60	50	51	84	123
LIQUEFIED PETROLEUM GASES	36	36	45	52	83	85	104	118	125	169	204
LUBRICANTS	141	131	141	175	238	190	211	242	265	348	362
MOTOR GASOLINE	1,560	1,677	1,791	1,829	2,514	2,695	2,978	3,235	3,276	4,272	5,507
RESIDUAL FUEL	119	155	173	227	507	407	449	539	486	508	517
(INCLUDING ELECTRICITY GENERATION)	185	253	264	322	722	560	623	851	843	884	996
ALL OTHER PETROLEUM PRODUCTS	62	63	63	80	168	198	225	262	296	384	552
(INCLUDING ELECTRICITY GENERATION)	62	63	63	80	168	198	225	262	301	386	553
TOTAL PETROLEUM	2,441	2,614	2,818	3,078	4,672	4,793	5,393	6,036	6,141	8,121	10,401
(INCLUDING ELECTRICITY GENERATION)	2,520	2,735	2,946	3,201	4,986	4,988	5,619	6,432	6,560	8,572	10,959
NUCLEAR POWER, ELECTRICITY GENERATION	1	1	1	1	19	44	42	47	63	62	55
WOOD AND WASTE, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
ELECTRICITY SALES	1,349	1,612	1,811	2,055	2,695	3,112	3,325	3,788	4,078	4,502	5,268
TOTAL (INCLUDING ELECTRICITY SALES, EXCLUDING ELECTRICITY GENERATION)	4,891	5,393	5,920	6,533	9,349	10,138	11,217	12,383	13,012	15,996	19,470
TOTAL (EXCLUDING ELECTRICITY SALES, INCLUDING ELECTRICITY GENERATION)	3,843	4,184	4,578	5,003	7,742	8,125	8,972	9,836	10,363	13,126	16,066

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.
NOTE: THERE ARE NO PURCHASED FUEL EXPENDITURES FOR ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.
NOTE: DATA FOR 1980 DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.
NOTE: THE "ALL OTHER PETROLEUM PRODUCTS" CATEGORY INCLUDES NATURAL GASOLINE, UNFRACTIONATED STREAM, PLANT CONDENSATE, PETRO CHEMICAL FEEDSTOCKS, SPECIAL NAPHTHAS, PETROLEUM COKE (NOT CONSUMED IN ELECTRIC UTILITIES), STILL GAS, WAX, AND MISCELLANEOUS PRODUCTS. THE "(INCLUDING ELECTRICITY GENERATION)" CATEGORY INCLUDES PETROLEUM COKE FUEL EXPENDITURES FOR ELECTRIC UTILITIES.
NOTE: EXCLUDES NET IMPORTS OF COAL COKE; THEREFORE, THE SUM OF ALL STATES WILL NOT EQUAL TOTAL U.S.
SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 119. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Pennsylvania (Million Dollars)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
TOTAL ENERGY	1,227.35	1,405.22	1,530.77	1,690.13	2,121.01	2,375.32	2,625.25	2,950.26	3,092.61	3,650.91	4,385.34
OTHER COAL	15.31	40.18	35.35	40.41	68.17	68.90	58.78	60.99	60.27	40.46	51.56
NATURAL GAS (DRY)	366.71	388.78	411.85	426.54	451.32	524.69	617.34	693.64	749.39	918.82	1,100.38
TOTAL PETROLEUM	284.47	305.43	334.46	378.40	545.21	574.52	668.60	752.25	749.70	1,017.17	1,299.79
DISTILLATE FUEL	237.23	255.41	273.93	318.74	474.07	504.07	584.77	665.95	670.70	890.72	1,118.79
KEROSENE	29.91	33.57	38.43	33.38	41.35	35.80	40.18	38.20	36.61	61.10	108.02
LPG	17.33	16.45	22.10	26.28	29.78	34.66	43.66	48.10	42.39	65.36	72.99
ELECTRICITY	560.86	670.83	749.11	844.78	1,056.32	1,207.20	1,280.53	1,443.38	1,533.25	1,674.46	1,933.61
COMMERCIAL SECTOR											
TOTAL ENERGY	508.67	590.02	657.02	723.05	900.03	1,117.25	1,236.57	1,426.33	1,514.23	1,702.15	2,012.32
OTHER COAL	11.02	14.43	9.94	11.95	19.45	24.30	21.70	21.69	29.07	18.94	22.06
NATURAL GAS (DRY)	95.67	110.50	132.31	131.92	131.06	168.32	213.04	257.64	262.92	328.13	423.61
TOTAL PETROLEUM	93.06	95.87	105.26	110.80	176.87	168.18	178.38	213.01	219.15	260.00	302.69
DISTILLATE FUEL	35.12	37.73	40.37	46.70	74.16	79.44	92.59	107.06	106.54	145.85	220.50
KEROSENE	1.23	1.42	1.66	1.43	2.85	2.53	2.71	2.64	2.45	4.64	7.24
LPG	1.84	1.82	1.98	2.07	4.11	4.12	4.91	5.49	5.27	6.56	8.33
MOTOR GASOLINE	37.64	32.96	37.23	29.85	30.41	32.47	24.31	32.41	41.99	35.84	15.97
RESIDUAL FUEL	17.22	21.94	24.02	30.74	65.35	49.63	53.85	65.40	62.91	67.10	50.65
ELECTRICITY	308.92	369.22	409.51	468.39	572.66	756.45	823.45	933.99	1,003.08	1,095.09	1,263.97
INDUSTRIAL SECTOR											
TOTAL ENERGY	1,431.62	1,550.46	1,748.47	2,033.56	3,377.04	3,500.59	3,826.49	4,124.81	4,436.84	5,319.81	6,018.15
METALLURGICAL COAL	335.59	295.30	368.37	453.17	869.52	975.54	1,061.51	874.28	1,003.12	1,073.16	958.44
OTHER COAL	70.47	81.56	62.43	67.33	140.92	174.72	143.66	143.34	160.19	177.91	156.65
NATURAL GAS (DRY)	198.57	227.05	263.02	261.18	292.98	286.70	370.35	486.78	505.20	778.35	1,032.48
TOTAL PETROLEUM	353.59	382.00	410.55	519.23	1,021.90	933.44	1,049.86	1,233.41	1,245.56	1,579.02	1,831.38
ASPHALT	33.68	38.49	41.42	40.70	72.03	74.13	82.47	90.56	94.07	113.17	126.23
DISTILLATE FUEL	41.69	42.99	43.85	55.68	139.21	149.19	174.03	219.97	204.00	333.75	402.15
JET FUEL	.00	.00	.00	.00	.00	.53	.21	.18	.00	.00	.00
KEROSENE	2.46	3.30	3.67	2.33	11.55	17.13	17.26	9.13	12.02	18.74	7.80
LPG	16.66	17.69	20.92	23.65	47.79	45.66	54.41	63.69	76.66	95.54	121.32
LUBRICANTS	92.09	83.17	89.96	131.77	179.83	127.85	141.73	164.07	179.42	235.43	244.92
MOTOR GASOLINE	18.11	20.73	17.78	18.19	26.96	27.20	27.66	27.49	22.29	40.75	29.90
RESIDUAL FUEL	86.98	112.41	129.49	166.63	375.08	293.35	326.75	396.82	361.35	356.97	346.62
ROAD OIL	.31	.04	.03	.02	1.10	.03	.01	*	.00	.49	.88
OTHER PETROLEUM PRODUCTS	61.62	63.19	63.42	80.26	168.35	198.36	225.34	261.51	295.75	384.16	551.56
ELECTRICITY	473.40	564.55	644.10	732.64	1,051.72	1,130.18	1,201.11	1,387.00	1,522.77	1,711.38	2,039.21
TRANSPORTATION SECTOR											
TOTAL ENERGY	1,723.44	1,846.84	1,984.13	2,086.31	2,950.93	3,144.43	3,528.76	3,881.88	3,968.35	5,323.23	7,053.97
OTHER COAL	.45	.41	.29	.22	.32	.14	.06	.04	.00	.00	.00
NATURAL GAS (DRY)	6.71	8.08	8.41	7.12	8.37	9.46	12.85	21.24	22.87	37.25	55.84
TOTAL PETROLEUM	1,710.06	1,831.14	1,967.32	2,069.93	2,927.87	3,116.43	3,495.96	3,837.02	3,926.76	5,265.05	6,967.27
AVIATION GASOLINE	5.11	4.94	4.88	5.65	7.49	7.14	8.32	9.26	9.98	12.55	17.51
DISTILLATE FUEL	98.49	95.82	116.59	162.46	256.73	245.87	313.64	369.69	406.35	633.79	872.82
JET FUEL	39.01	38.56	38.01	48.44	81.23	101.06	110.06	127.40	151.41	226.95	377.75
LPG	.33	.33	.36	.43	.90	.68	.85	.98	.90	1.12	1.42
LUBRICANTS	48.51	47.55	51.44	42.73	58.32	62.04	68.78	78.11	85.42	112.09	116.61
MOTOR GASOLINE	1,503.87	1,623.51	1,736.40	1,781.03	2,456.91	2,635.61	2,926.24	3,175.07	3,211.42	4,195.10	5,461.51
RESIDUAL FUEL	14.73	20.43	19.65	29.18	66.28	64.02	68.07	76.50	61.27	83.46	119.65
ELECTRICITY	6.23	7.21	8.11	9.05	14.37	18.41	19.88	23.57	18.72	20.92	30.85
ELECTRIC UTILITIES											
TOTAL ENERGY	301.07	403.13	468.03	525.09	1,088.43	1,100.01	1,079.96	1,240.95	1,428.67	1,631.58	1,863.40
OTHER COAL	216.90	276.82	336.29	400.28	742.95	858.02	810.98	797.07	945.64	1,113.11	1,239.86
NATURAL GAS (DRY)	4.00	4.83	2.72	1.32	12.31	1.83	.80	.69	1.15	5.77	10.66
TOTAL PETROLEUM	79.10	120.72	128.51	122.89	313.71	195.90	226.29	396.68	418.47	450.86	557.62
DISTILLATE FUEL	13.19	22.02	35.29	26.10	96.18	41.78	51.67	84.16	55.14	72.45	77.62
JET FUEL	.00	.00	2.09	1.63	1.75	1.14	.00	.00	.22	.00	.00
PETROLEUM COKE	.00	.00	.00	.00	.00	.00	.00	.00	5.38	2.30	1.37
RESIDUAL FUEL	65.91	98.70	91.13	95.17	215.78	152.98	174.62	312.52	357.73	376.12	478.64
NUCLEAR POWER	1.08	.75	.51	.60	19.46	44.27	41.88	46.51	63.41	61.84	55.26
WOOD AND WASTE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

* LESS THAN .005.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE TO THE INDUSTRIAL SECTOR BY STATE.

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE EXPENDITURES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL SINCE THERE ARE NO ASSOCIATED FUEL COSTS FOR THESE ENERGY SOURCES.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MEXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: COAL INCLUDES ANTHRACITE, BITUMINOUS, AND LIGNITE EXCEPT IN THE TRANSPORTATION SECTOR WHICH DOES NOT CONSUME ANTHRACITE.

NOTE: RESIDENTIAL, COMMERCIAL, INDUSTRIAL, AND TRANSPORTATION EXPENDITURES EXCLUDE ENERGY EXPENDITURES FOR WOOD AND WOOD WASTE.

NOTE: EXPENDITURES ON NET IMPORTS OF COAL COKE ARE NOT DISTRIBUTED BY STATE; THEREFORE, THE SUM OF THE TOTAL EXPENDITURES BY STATE WILL NOT EQUAL THE TOTAL U.S. EXPENDITURE.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, THE ENERGY, PRICE, AND EXPENDITURES DATA SYSTEM (EPEDS)

Table 120. Average Annual Fuel Prices by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Pennsylvania (Dollars per Million Btu)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
ALL FUELS	1.9261	2.1571	2.3115	2.6028	3.5132	3.9713	4.1013	4.6790	4.9456	5.8559	7.2315
OTHER COAL	.3447	.9038	1.0330	1.0843	2.2610	2.5729	2.2729	2.3640	2.4771	2.4489	2.5945
NATURAL GAS	1.1975	1.2391	1.3127	1.4295	1.6211	1.8868	2.0859	2.4544	2.5775	3.1276	3.7270
TOTAL PETROLEUM	1.3671	1.4521	1.4762	1.7191	2.7006	2.8898	3.0413	3.4338	3.6522	4.9384	7.1061
DISTILLATE FUEL	1.3045	1.3987	1.4072	1.6410	2.6295	2.8081	2.9341	3.3264	3.5658	4.7983	6.9313
KEROSENE	1.5664	1.6224	1.5820	1.8212	2.8856	3.1203	3.2625	3.6686	3.8884	5.2823	8.0655
LPG	2.4288	2.3387	2.9019	3.4795	4.1020	4.4239	5.3067	5.6883	5.4600	7.4483	9.0000
ELECTRICITY	7.1447	8.0920	8.5411	9.0287	11.3222	12.7832	13.0087	14.0062	14.6056	15.6227	17.8395
COMMERCIAL SECTOR											
ALL FUELS	1.9095	2.1231	2.2832	2.5134	3.5167	4.4658	4.3583	5.1781	5.4410	6.5238	7.7004
OTHER COAL	.2945	.3874	.3602	.3658	.8013	1.1360	1.0437	1.0761	1.2038	1.2466	1.2434
NATURAL GAS	.9341	.9743	1.0515	1.1124	1.2487	1.6670	1.6790	2.2598	2.3394	2.8909	3.4921
TOTAL PETROLEUM	1.1575	1.2269	1.2821	1.3736	2.4687	2.6302	2.5775	2.9752	3.0924	4.3286	6.3437
DISTILLATE FUEL	1.1111	1.1887	1.1931	1.3832	2.3662	2.5458	2.6726	3.0762	3.2585	4.5199	6.4921
KEROSENE	.7376	.7842	.7822	.8927	2.2785	2.5229	2.5243	2.9022	2.9800	4.5978	6.6150
LPG	1.4631	1.4658	1.4705	1.5557	3.2050	2.9766	3.3824	3.6819	3.8428	4.2377	5.8230
MOTOR GASOLINE	2.9188	2.9744	2.9363	3.0316	4.3983	4.7174	4.8166	5.1207	5.1123	7.0008	9.7144
RESIDUAL FUEL	.5225	.6799	.7478	.9010	2.1177	2.1144	1.9955	2.3307	2.2656	3.3352	5.2862
ELECTRICITY	6.6909	7.5227	7.8401	8.4003	10.3993	11.8425	12.3187	13.4015	14.1494	15.1772	16.9512
INDUSTRIAL SECTOR											
ALL FUELS	.7701	.9016	1.0004	1.1379	1.9957	2.2453	2.3604	2.7358	3.0314	3.3740	4.4490
METALLURGICAL COAL	.4523	.4758	.5723	.6904	1.4015	1.5650	1.6711	1.6704	2.0369	1.9373	2.2665
OTHER COAL	.2945	.3874	.3602	.3658	.8013	1.1360	1.0437	1.0761	1.2038	1.2466	1.2434
NATURAL GAS	.5665	.6290	.6961	.7325	.9157	1.0679	1.3144	1.8693	1.9725	2.4455	2.9957
TOTAL PETROLEUM	.8970	.9758	1.0078	1.2006	2.4360	2.5046	2.5134	2.8177	2.9293	3.9655	6.0626
ASPHALT	.7754	.8716	.8730	.8796	1.6468	1.9730	1.9712	2.0775	2.2394	2.6943	3.7177
DISTILLATE FUEL	.7024	.7468	.7449	.8501	2.1700	2.3794	2.4155	2.7880	2.8532	3.8215	6.2325
JET FUEL	.0000	.0000	.0000	.0000	.0000	2.1311	2.3125	2.6560	.0000	.0000	.0000
KEROSENE	.7376	.7842	.7822	.8927	2.2785	2.5229	2.5243	2.9022	2.9800	4.5978	6.6150
LPG	1.4631	1.4658	1.4705	1.5557	3.2050	2.9766	3.3824	3.6819	3.8428	4.2377	5.8230
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.9188	2.9744	2.9363	3.0316	4.3983	4.7174	4.8166	5.1207	5.1123	7.0008	9.7144
RESIDUAL FUEL	.5110	.6649	.7313	.8811	2.0709	2.0678	1.9739	2.2618	2.2443	2.9960	4.7619
ROAD OIL	.8567	.9423	.9538	.9557	1.9142	2.2270	2.2244	2.3331	.0000	3.0564	4.1875
OTHER PETROLEUM PRODUCTS	.7282	.7576	.7551	.9355	2.0341	2.2361	2.3887	2.6898	2.8327	3.9074	6.2121
ELECTRICITY	3.5582	4.1523	4.4270	4.6476	6.7223	8.0288	8.0721	9.0658	9.7129	10.4613	12.9801
TRANSPORTATION SECTOR											
ALL FUELS	2.4092	2.4860	2.4942	2.5820	3.7933	4.1040	4.2178	4.5469	4.5864	6.2783	8.6454
OTHER COAL	.2945	.3874	.3602	.3658	.8013	1.1360	1.0437	1.0761	.0000	.0000	.0000
NATURAL GAS	.2439	.2807	.2971	.3120	.3906	.5239	.5846	.8972	.9202	1.3953	1.8495
TOTAL PETROLEUM	2.4978	2.5738	2.5726	2.6441	3.8822	4.1785	4.3039	4.6369	4.6837	6.4292	8.8902
AVIATION GASOLINE	3.4553	3.5236	3.4986	3.7615	5.2408	5.6360	5.8299	6.4522	7.0471	8.9025	13.3954
DISTILLATE FUEL	1.3364	1.3539	1.4019	1.7032	2.6015	2.6116	2.9222	3.3751	3.5298	5.1435	6.9888
JET FUEL	.7630	.8015	.7993	.9481	1.6341	2.1311	2.3125	2.6560	3.0251	4.0789	6.6411
LPG	1.4631	1.4658	1.4705	1.5557	3.2050	2.9766	3.3824	3.6819	3.8428	4.2377	5.8230
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.9188	2.9744	2.9363	3.0316	4.3983	4.7174	4.8166	5.1207	5.1123	7.0008	9.7144
RESIDUAL FUEL	.4231	.5505	.6055	.7296	1.7148	1.7106	1.6699	1.8986	1.7581	2.7610	3.9600
ELECTRICITY	3.6578	4.4587	4.8694	5.2157	7.5008	8.4059	8.5757	9.3425	9.3425	9.2936	15.2110
ELECTRIC UTILITIES											
ALL FUELS	.3457	.4272	.4601	.4910	1.0292	.9733	.9143	1.0162	1.0991	1.2265	1.4643
OTHER COAL	.3140	.3620	.4000	.4307	.9042	.9960	.9116	.9235	1.0928	1.1226	1.2158
NATURAL GAS	.4143	.4811	.4832	.5076	1.5399	1.4669	1.6353	2.0713	2.5263	2.9955	3.5991
TOTAL PETROLEUM	.4785	.7353	.7663	.9204	2.0944	2.1129	2.0647	2.3929	2.2056	3.2966	4.6032
DISTILLATE FUEL	.5586	.8610	.8742	1.1562	2.3282	2.2679	2.3755	2.8131	2.8197	4.1863	5.8469
JET FUEL	.0000	.0000	1.6763	1.8156	2.3872	2.5350	.0000	.0000	2.9353	.0000	.0000
PETROLEUM COKE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.6800	.6100	.7200
RESIDUAL FUEL	.4652	.7121	.7228	.8648	2.0028	2.0717	1.9878	2.3004	2.2057	3.2510	4.5171
NUCLEAR POWER	.2116	.1563	.1650	.1522	.2491	.2533	.2308	.2424	.2596	.3092	.4295
WOOD AND WASTE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE PRICES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: THE FOLLOWING FUEL SECTOR PRICES HAVE BEEN SUBSTITUTED (SEE THE DOCUMENTATION FOR THE DETAILS), COAL COMMERCIAL = COAL INDUSTRIAL, KEROSENE COMMERCIAL = KEROSENE INDUSTRIAL, LPG COMMERCIAL = LPG INDUSTRIAL, MOTOR GASOLINE COMMERCIAL = MOTOR GASOLINE TRANSPORTATION; JET FUEL INDUSTRIAL = JET FUEL TRANSPORTATION, MOTOR GASOLINE INDUSTRIAL = MOTOR GASOLINE TRANSPORTATION, OTHER PETROLEUM PRODUCTS INDUSTRIAL = DISTILLATE INDUSTRIAL UNITED STATES; COAL TRANSPORTATION = COAL INDUSTRIAL, LPG TRANSPORTATION = LPG INDUSTRIAL, LUBRICANTS TRANSPORTATION = LUBRICANTS INDUSTRIAL.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 121. Fuel Expenditures and Electricity Sales by Fuel Type, 1970-1980: Rhode Island (Million Dollars)

ENERGY EXPENDITURES ALL SECTORS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
COAL											
METALLURGICAL COAL	0	0	0	0	0	0	0	0	0	0	0
OTHER COAL	*	*	*	*	*	*	*	*	*	*	*
(INCLUDING ELECTRICITY GENERATION)	*	*	*	*	1	*	*	*	*	*	*
TOTAL COAL	*	*	*	*	*	*	*	*	*	*	*
(INCLUDING ELECTRICITY GENERATION)	*	*	*	*	1	*	*	*	*	*	*
NATURAL GAS											
TOTAL NATURAL GAS	34	37	41	42	51	65	63	95	86	85	138
(INCLUDING ELECTRICITY GENERATION)	35	38	41	42	52	65	64	95	86	89	144
PETROLEUM PRODUCTS											
ASPHALT AND ROAD OIL	4	6	4	7	11	16	17	19	19	17	25
AVIATION GASOLINE	1	2	2	3	2	6	6	4	6	10	15
DISTILLATE FUEL OIL	70	78	79	78	127	125	144	153	152	199	205
(INCLUDING ELECTRICITY GENERATION)	70	78	79	78	128	125	144	153	152	199	206
JET FUEL	*	*	1	1	1	3	3	3	4	7	12
(INCLUDING ELECTRICITY GENERATION)	*	*	1	1	1	3	3	3	4	7	12
KEROSENE	4	4	3	2	3	2	3	3	2	3	4
LIQUEFIED PETROLEUM GASES	3	3	3	3	4	6	8	9	8	10	12
LUBRICANTS	5	4	5	5	7	6	6	8	9	11	12
MOTOR GASOLINE	122	127	130	139	193	211	217	241	244	332	438
RESIDUAL FUEL	16	26	28	29	52	37	47	52	41	25	27
(INCLUDING ELECTRICITY GENERATION)	25	37	39	40	75	56	58	65	58	47	60
ALL OTHER PETROLEUM PRODUCTS	1	2	2	3	6	3	3	4	5	6	8
(INCLUDING ELECTRICITY GENERATION)	1	2	2	3	6	3	3	4	5	6	8
TOTAL PETROLEUM	225	251	257	269	406	417	453	495	490	621	758
(INCLUDING ELECTRICITY GENERATION)	234	262	268	280	430	436	464	509	506	643	792
NUCLEAR POWER, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
WOOD AND WASTE, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
ELECTRICITY SALES	91	102	122	139	199	209	223	247	258	301	371
TOTAL (INCLUDING ELECTRICITY SALES, EXCLUDING ELECTRICITY GENERATION)	351	390	420	451	656	690	739	837	834	1,006	1,267
TOTAL (EXCLUDING ELECTRICITY SALES, INCLUDING ELECTRICITY GENERATION)	269	300	309	322	484	501	528	604	592	732	936

* LESS THAN .5.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: THERE ARE NO PURCHASED FUEL EXPENDITURES FOR ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: DATA FOR 1980 DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.

NOTE: THE "ALL OTHER PETROLEUM PRODUCTS" CATEGORY INCLUDES NATURAL GASOLINE, UNFRACTIONATED STREAM, PLANT CONDENSATE, PETRO CHEMICAL FEEDSTOCKS, SPECIAL NAPHTHAS, PETROLEUM COKE (NOT CONSUMED IN ELECTRIC UTILITIES), STILL GAS, WAX, AND MISCELLANEOUS PRODUCTS. THE "(INCLUDING ELECTRICITY GENERATION)" CATEGORY INCLUDES PETROLEUM COKE FUEL EXPENDITURES FOR ELECTRIC UTILITIES.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE; THEREFORE, THE SUM OF ALL STATES WILL NOT EQUAL TOTAL U.S.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 122. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Rhode Island (Million Dollars)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
TOTAL ENERGY	118.57	129.73	143.68	146.83	208.51	220.75	242.87	272.07	274.79	314.63	371.81
OTHER COAL	.01	.01	*	.01	.01	.01	.01	.01	.01	.01	.03
NATURAL GAS (DRY)	21.85	23.47	27.45	27.20	33.38	40.48	41.67	57.47	57.06	49.57	79.70
TOTAL PETROLEUM	56.74	62.09	63.58	59.93	91.99	91.67	106.71	112.10	112.41	144.72	144.95
DISTILLATE FUEL	51.95	57.45	59.24	56.06	88.01	87.10	101.07	107.09	108.04	138.69	137.65
KEROSENE	3.24	3.10	2.93	1.96	2.13	1.55	2.23	1.63	1.51	1.39	2.50
LPG	1.55	1.54	1.41	1.91	1.85	3.01	3.42	3.39	2.85	4.63	4.80
ELECTRICITY	39.96	44.16	52.64	59.70	83.13	88.59	94.48	102.48	105.31	120.33	147.13
COMMERCIAL SECTOR											
TOTAL ENERGY	51.34	58.47	67.59	75.03	105.10	114.04	122.28	136.59	143.84	169.95	201.75
OTHER COAL	.01	*	*	.01	.02	.02	.01	.01	.01	.01	.03
NATURAL GAS (DRY)	7.46	7.33	8.68	8.80	9.47	11.69	9.86	10.51	15.74	19.18	34.57
TOTAL PETROLEUM	13.40	16.06	17.11	17.90	30.78	28.41	34.22	37.56	34.83	39.50	32.24
DISTILLATE FUEL	10.13	11.22	11.54	11.36	19.15	19.00	22.18	23.70	23.62	31.67	23.22
KEROSENE	.03	.03	.03	.02	.04	.03	.03	.03	.03	.03	.00
LPG	.12	.12	.14	.11	.19	.25	.33	.35	.33	.39	.51
MOTOR GASOLINE	.55	.57	.59	.63	.86	.96	1.02	1.12	1.16	1.60	2.56
RESIDUAL FUEL	2.56	4.11	4.82	5.78	10.54	8.16	10.67	12.37	9.70	5.82	5.95
ELECTRICITY	30.48	35.08	41.80	48.33	64.84	73.92	78.19	88.51	93.27	111.26	134.91
INDUSTRIAL SECTOR											
TOTAL ENERGY	44.88	56.05	60.58	71.52	120.97	115.97	128.71	161.66	144.24	146.70	193.16
METALLURGICAL COAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER COAL	.01	*	*	.01	.02	.09	.06	.02	.07	.11	.22
NATURAL GAS (DRY)	4.97	5.89	4.97	5.97	7.86	12.46	11.12	26.93	13.03	15.68	23.18
TOTAL PETROLEUM	19.18	26.95	27.93	34.36	61.77	57.04	66.89	78.69	71.56	61.68	80.90
ASPHALT	4.12	5.68	4.08	6.73	11.45	16.46	16.53	19.21	18.99	17.42	24.71
DISTILLATE FUEL	2.80	2.68	2.59	2.59	5.71	5.85	6.10	7.87	8.24	9.36	14.97
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KEROSENE	.39	.41	.33	.25	.63	.58	.86	.86	.86	1.26	1.16
LPG	.79	.85	1.07	1.30	1.89	3.04	3.95	4.67	4.23	5.07	6.56
LUBRICANTS	1.78	2.09	2.26	2.35	3.21	2.28	2.53	3.68	4.03	5.28	5.50
MOTOR GASOLINE	.05	.04	.03	.04	.06	.06	.08	.06	.05	.10	.12
RESIDUAL FUEL	8.37	13.16	15.28	18.13	33.14	25.40	33.55	38.07	30.41	17.00	19.51
ROAD OIL	.00	.29	.39	.40	.05	*	.00	.00	.00	.00	.00
OTHER PETROLEUM PRODUCTS	.88	1.74	1.89	2.57	5.64	3.37	3.30	4.27	4.74	6.19	8.38
ELECTRICITY	20.72	23.21	27.68	31.19	51.32	46.37	50.64	56.02	59.59	69.24	88.86
TRANSPORTATION SECTOR											
TOTAL ENERGY	136.01	146.24	148.30	157.25	221.85	239.49	245.63	266.69	270.88	375.17	499.88
OTHER COAL	.00	.00	.00	.00	.00	*	*	.00	.00	.00	.00
NATURAL GAS (DRY)	.01	.01	.01	.01	.01	.01	.01	.03	.03	.07	.45
TOTAL PETROLEUM	136.00	146.23	148.29	157.25	221.84	239.48	245.62	266.67	270.86	375.10	499.44
AVIATION GASOLINE	1.39	1.55	1.86	2.73	2.45	6.40	5.83	4.39	5.96	10.44	15.04
DISTILLATE FUEL	4.73	6.39	5.87	7.63	14.07	12.89	14.33	13.96	12.51	18.88	28.74
JET FUEL	.48	.45	.68	.83	1.34	3.05	3.20	3.18	4.33	7.13	12.47
LPG	.05	.06	.07	.07	.11	.10	.13	.15	.16	.19	.25
LUBRICANTS	2.80	2.32	2.51	2.51	3.43	3.22	3.57	4.16	4.55	5.97	6.21
MOTOR GASOLINE	121.16	126.78	129.80	137.99	192.08	210.21	215.83	239.38	242.42	330.01	435.28
RESIDUAL FUEL	5.38	8.69	7.51	5.47	8.37	3.60	2.74	1.45	.93	2.47	1.44
ELECTRICITY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRIC UTILITIES											
TOTAL ENERGY	9.30	12.42	11.29	10.91	26.54	19.40	11.90	13.59	16.74	26.43	40.42
OTHER COAL	.00	.00	.00	.00	1.28	.00	.00	.00	.00	.00	.00
NATURAL GAS (DRY)	.92	1.40	.08	.02	1.73	.01	1.00	.00	.00	4.47	5.98
TOTAL PETROLEUM	8.38	11.02	11.21	10.90	23.53	19.38	10.90	13.59	16.74	21.96	34.44
DISTILLATE FUEL	.17	.28	.25	.35	.64	.06	.00	.00	.00	.00	1.06
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PETROLEUM COKE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RESIDUAL FUEL	8.21	10.74	10.96	10.55	22.89	19.33	10.90	13.59	16.74	21.96	33.38
NUCLEAR POWER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WOOD AND WASTE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

* LESS THAN .005.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE TO THE INDUSTRIAL SECTOR BY STATE.

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE EXPENDITURES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL SINCE THERE ARE NO ASSOCIATED FUEL COSTS FOR THESE ENERGY SOURCES.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MEXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: COAL INCLUDES ANTHRACITE, BITUMINOUS, AND LIGNITE EXCEPT IN THE TRANSPORTATION SECTOR WHICH DOES NOT CONSUME ANTHRACITE.

NOTE: RESIDENTIAL, COMMERCIAL, INDUSTRIAL, AND TRANSPORTATION EXPENDITURES EXCLUDE ENERGY EXPENDITURES FOR WOOD AND WOOD WASTE.

NOTE: EXPENDITURES ON NET IMPORTS OF COAL COKE ARE NOT DISTRIBUTED BY STATE; THEREFORE, THE SUM OF THE TOTAL EXPENDITURES BY STATE WILL NOT EQUAL THE TOTAL U.S. EXPENDITURE.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, THE ENERGY, PRICE, AND EXPENDITURES DATA SYSTEM (EPEDS)

Table 123. Average Annual Fuel Prices by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Rhode Island (Dollars per Million Btu)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
ALL FUELS	2.2150	2.3259	2.4735	2.7581	4.0870	4.3486	4.5295	5.0669	5.3057	6.4059	9.1627
OTHER COAL	.4812	.8615	.5731	1.0539	.7853	1.0716	1.0564	1.7860	2.1950	1.4194	1.5209
NATURAL GAS	1.7752	1.8721	2.0108	2.3354	2.5173	3.0424	3.3168	4.1736	4.1268	3.6270	5.5751
TOTAL PETROLEUM	1.5563	1.6301	1.6322	1.6784	2.8702	2.8919	3.0634	3.3111	3.5342	4.9442	7.2532
DISTILLATE FUEL	1.5297	1.6105	1.6186	1.6398	2.8530	2.8411	3.0110	3.2636	3.4973	4.8831	7.2001
KEROSENE	1.7037	1.6639	1.6912	1.9440	3.0149	3.1614	3.3514	3.7550	4.0146	5.3412	8.1643
LPG	2.6017	2.7816	2.2692	3.7338	3.7338	5.4910	5.6557	5.5450	5.3250	7.6400	8.5700
ELECTRICITY	8.4287	8.5871	9.6151	10.1588	14.6073	15.4148	15.2035	16.9088	17.1177	19.4954	23.4362
COMMERCIAL SECTOR											
ALL FUELS	2.0924	2.2850	2.5152	2.8584	4.5777	5.2824	5.4026	5.9819	6.2132	7.7881	10.9512
OTHER COAL	.7020	.6778	.8069	.9092	1.4710	2.1760	1.6791	1.8647	2.0132	1.8957	2.1164
NATURAL GAS	1.4280	1.5686	1.7849	1.8556	2.1032	2.7081	3.3433	3.4166	3.2381	3.0540	5.0002
TOTAL PETROLEUM	.8963	.9995	1.0174	1.1251	2.2954	2.3860	2.4572	2.7094	2.8643	4.3103	6.3646
DISTILLATE FUEL	1.1890	1.2541	1.2568	1.3247	2.4744	2.4711	2.6339	2.8795	3.0480	4.4449	6.4924
KEROSENE	.7747	.8195	.8176	.9136	2.3265	2.5947	2.4080	3.0331	3.2303	4.5354	.0000
LPG	1.1848	1.2701	1.2980	1.2670	2.1307	2.6094	3.0767	3.2391	3.4617	3.6670	5.1346
MOTOR GASOLINE	2.8939	2.9499	2.8855	3.0605	4.2141	4.4952	4.6858	4.9739	5.0979	7.1170	9.9061
RESIDUAL FUEL	.4201	.6051	.6606	.8237	1.9664	2.0966	2.0631	2.3372	2.3764	3.4172	5.2596
ELECTRICITY	6.9977	7.2396	8.0583	8.6433	12.8704	13.7997	13.5927	15.0286	15.2210	17.4592	20.9827
INDUSTRIAL SECTOR											
ALL FUELS	1.0340	1.1749	1.3263	1.4804	2.9255	3.1415	3.1838	3.4744	3.8786	5.0710	7.2341
METALLURGICAL COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
OTHER COAL	.7020	.6778	.8069	.9092	1.4710	2.1760	1.6791	1.8647	2.0132	1.8957	2.1164
NATURAL GAS	.8391	.9282	1.1245	1.3160	1.7078	2.0996	2.2615	2.9092	2.7642	2.6391	4.4490
TOTAL PETROLEUM	.5779	.7298	.7651	.8879	1.9400	2.1228	2.1584	2.4022	2.5701	3.3892	4.8694
ASPHALT	.6635	.8119	.8388	.8161	1.5049	1.8646	1.9430	2.0267	2.2102	2.5892	3.5777
DISTILLATE FUEL	.7157	.7571	.7553	.8440	2.1494	2.3382	2.2301	2.8155	2.9906	4.1539	6.2225
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
KEROSENE	.7747	.8195	.8176	.9136	2.3265	2.5947	2.4080	3.0331	3.2303	4.5354	6.8064
LPG	1.1848	1.2701	1.2980	1.2670	2.1307	2.6094	3.0767	3.2391	3.4617	3.6670	5.1346
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.8939	2.9499	2.8855	3.0605	4.2141	4.4952	4.6858	4.9739	5.0979	7.1170	9.9061
RESIDUAL FUEL	.4108	.5917	.6461	.8055	1.9230	2.0503	2.0407	2.2682	2.3541	3.0696	4.7379
ROAD OIL	.0000	.9362	.8966	.9428	1.7467	2.0043	.0000	.0000	.0000	.0000	.0000
OTHER PETROLEUM PRODUCTS	.7282	.7576	.7551	.9355	2.0341	2.2361	2.3887	2.6898	2.8327	3.9074	6.2121
ELECTRICITY	4.8466	5.2409	5.8290	6.1469	10.4873	11.4084	11.2951	12.4357	12.9555	14.6299	18.6154
TRANSPORTATION SECTOR											
ALL FUELS	2.1674	2.1992	2.2879	2.6407	3.8347	4.2534	4.4590	4.8392	5.0026	6.9194	9.6470
OTHER COAL	.0000	.0000	.0000	.0000	.0000	2.1760	1.6791	.0000	.0000	.0000	.0000
NATURAL GAS	.3230	.3634	.3673	.4145	.4038	.5380	.7404	1.6453	2.0568	2.0326	2.8615
TOTAL PETROLEUM	2.1682	2.1999	2.2884	2.6414	3.8361	4.2549	4.4598	4.8401	5.0033	6.9227	9.6676
AVIATION GASOLINE	3.4553	3.5236	3.4986	3.7615	5.2408	5.6360	5.8299	6.4522	7.0471	9.3185	13.3122
DISTILLATE FUEL	1.3455	1.4736	1.4896	1.8255	2.6661	2.8772	3.0714	3.5790	3.7539	5.2873	7.3433
JET FUEL	.7822	.8222	.8193	.9719	1.6756	2.1852	2.3879	2.7469	3.0925	4.1449	6.7825
LPG	1.1848	1.2701	1.2980	1.2670	2.1307	2.6094	3.0767	3.2391	3.4617	3.6670	5.1346
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.8939	2.9499	2.8855	3.0605	4.2141	4.4952	4.6858	4.9739	5.0979	7.1170	9.9061
RESIDUAL FUEL	.3401	.4899	.5350	.6670	1.5923	1.6961	1.7264	1.9039	1.8440	2.8288	3.9401
ELECTRICITY	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
ELECTRIC UTILITIES											
ALL FUELS	.4291	.6353	.6581	.7163	1.7763	1.8381	1.8109	2.0668	2.0415	3.0371	3.9179
OTHER COAL	.0000	.0000	.0000	.0000	1.5620	.0000	.0000	.0000	.0000	.0000	.0000
NATURAL GAS	.3853	.4864	.5029	.5690	.8833	1.1520	1.5400	.0000	.0000	2.4655	3.4464
TOTAL PETROLEUM	.4345	.6610	.6595	.7165	1.9348	1.8389	1.8406	2.0668	2.0415	3.1874	4.0133
DISTILLATE FUEL	.5377	.8227	.8214	1.2699	2.1190	2.0039	.0000	.0000	.0000	.0000	6.0490
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
PETROLEUM COKE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
RESIDUAL FUEL	.4328	.6577	.6566	.7064	1.9301	1.8384	1.8406	2.0668	2.0415	3.1874	3.9710
NUCLEAR POWER	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
WOOD AND WASTE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE PRICES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: THE FOLLOWING FUEL SECTOR PRICES HAVE BEEN SUBSTITUTED (SEE THE DOCUMENTATION FOR THE DETAILS), COAL COMMERCIAL = COAL INDUSTRIAL, KEROSENE COMMERCIAL = KEROSENE INDUSTRIAL, LPG COMMERCIAL = LPG INDUSTRIAL, MOTOR GASOLINE COMMERCIAL = MOTOR GASOLINE TRANSPORTATION; JET FUEL INDUSTRIAL = JET FUEL TRANSPORTATION, MOTOR GASOLINE INDUSTRIAL = MOTOR GASOLINE TRANSPORTATION, OTHER PETROLEUM PRODUCTS INDUSTRIAL = DISTILLATE INDUSTRIAL UNITED STATES; COAL TRANSPORTATION = COAL INDUSTRIAL, LPG TRANSPORTATION = LPG INDUSTRIAL, LUBRICANTS TRANSPORTATION = LUBRICANTS INDUSTRIAL.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 124. Fuel Expenditures and Electricity Sales by Fuel Type, 1970-1980: South Carolina (Million Dollars)

ENERGY EXPENDITURES ALL SECTORS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
COAL											
METALLURGICAL COAL	0	0	0	0	0	0	0	0	0	0	0
OTHER COAL	27	24	21	22	53	46	44	48	66	60	82
(INCLUDING ELECTRICITY GENERATION)	66	79	87	92	230	156	167	250	284	293	373
TOTAL COAL	27	24	21	22	53	46	44	48	66	60	82
(INCLUDING ELECTRICITY GENERATION)	66	79	87	92	230	156	167	250	284	293	373
NATURAL GAS											
TOTAL NATURAL GAS	75	83	93	110	110	133	227	271	248	303	430
(INCLUDING ELECTRICITY GENERATION)	92	100	105	123	127	144	231	273	257	314	444
PETROLEUM PRODUCTS											
ASPHALT AND ROAD OIL	10	10	11	12	25	29	25	28	32	34	36
AVIATION GASOLINE	9	8	7	7	9	7	7	7	8	9	14
DISTILLATE FUEL OIL	53	57	60	83	132	126	167	212	201	303	417
(INCLUDING ELECTRICITY GENERATION)	56	62	66	91	143	127	170	238	218	316	439
JET FUEL	16	17	17	18	31	38	33	41	46	63	114
(INCLUDING ELECTRICITY GENERATION)	16	17	17	18	31	38	33	41	46	63	114
KEROSENE	19	25	19	19	20	18	21	26	25	35	62
LIQUEFIED PETROLEUM GASES	27	27	32	41	46	51	67	68	70	96	108
LUBRICANTS	14	14	15	18	24	26	29	32	35	46	48
MOTOR GASOLINE	416	457	505	557	768	809	910	984	1,053	1,376	1,816
RESIDUAL FUEL	6	14	16	23	43	38	87	110	104	116	121
(INCLUDING ELECTRICITY GENERATION)	12	18	22	39	81	68	125	168	166	177	164
ALL OTHER PETROLEUM PRODUCTS	2	2	2	3	9	10	16	19	20	27	41
(INCLUDING ELECTRICITY GENERATION)	2	2	2	3	9	10	16	19	20	27	41
TOTAL PETROLEUM	572	631	684	779	1,106	1,153	1,361	1,527	1,594	2,104	2,779
(INCLUDING ELECTRICITY GENERATION)	581	640	697	804	1,155	1,185	1,402	1,612	1,673	2,178	2,844
NUCLEAR POWER, ELECTRICITY GENERATION	*	5	9	12	20	41	41	54	68	70	79
WOOD AND WASTE, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
ELECTRICITY SALES	294	341	404	479	628	782	899	1,062	1,130	1,247	1,403
TOTAL (INCLUDING ELECTRICITY SALES, EXCLUDING ELECTRICITY GENERATION)	967	1,079	1,203	1,390	1,897	2,114	2,531	2,908	3,037	3,714	4,693
TOTAL (EXCLUDING ELECTRICITY SALES, INCLUDING ELECTRICITY GENERATION)	739	825	898	1,031	1,532	1,525	1,841	2,190	2,282	2,855	3,739

* LESS THAN .5.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: THERE ARE NO PURCHASED FUEL EXPENDITURES FOR ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: DATA FOR 1980 DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.

NOTE: THE "ALL OTHER PETROLEUM PRODUCTS" CATEGORY INCLUDES NATURAL GASOLINE, UNFRACTIONATED STREAM, PLANT CONDENSATE, PETRO CHEMICAL FEEDSTOCKS, SPECIAL NAPHTHAS, PETROLEUM COKE (NOT CONSUMED IN ELECTRIC UTILITIES), STILL GAS, WAX, AND MISCELLANEOUS PRODUCTS. THE "(INCLUDING ELECTRICITY GENERATION)" CATEGORY INCLUDES PETROLEUM COKE FUEL EXPENDITURES FOR ELECTRIC UTILITIES.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE; THEREFORE, THE SUM OF ALL STATES WILL NOT EQUAL TOTAL U.S.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 125. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: South Carolina (Million Dollars)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
TOTAL ENERGY	220.27	248.76	272.05	315.27	375.19	432.60	544.22	633.48	629.03	692.04	833.79
OTHER COAL	1.11	1.89	1.11	2.42	1.78	2.34	1.40	1.89	.84	1.43	5.64
NATURAL GAS (DRY)	25.59	28.79	33.28	37.38	40.12	38.68	78.88	91.34	83.44	61.87	78.40
TOTAL PETROLEUM	52.40	55.44	55.04	63.51	68.59	69.60	94.98	99.49	91.67	135.17	172.38
DISTILLATE FUEL	17.36	17.35	19.29	19.96	27.21	26.38	39.05	44.15	39.62	50.37	62.78
KEROSENE	17.96	22.64	17.36	17.61	17.29	15.36	17.98	17.95	16.96	30.09	56.38
LPG	17.08	15.45	18.39	25.94	24.10	27.85	37.96	37.38	35.09	54.71	53.22
ELECTRICITY	141.18	162.64	182.62	211.96	264.70	321.99	368.96	440.77	453.09	493.57	577.37
COMMERCIAL SECTOR											
TOTAL ENERGY	93.04	106.39	118.95	141.72	179.86	250.89	312.45	371.55	384.81	404.44	472.68
OTHER COAL	2.13	2.05	1.95	2.36	5.42	5.65	3.04	2.55	1.23	1.29	5.26
NATURAL GAS (DRY)	12.30	14.14	14.24	16.23	16.72	21.46	51.76	67.74	59.69	49.94	72.82
TOTAL PETROLEUM	9.36	9.94	10.91	11.78	17.25	17.63	24.68	28.34	26.77	35.23	38.79
DISTILLATE FUEL	4.24	4.14	4.58	4.87	7.19	6.91	10.23	11.74	10.44	14.34	17.73
KEROSENE	.19	.24	.19	.19	.35	.30	.36	.38	.36	.68	.97
LPG	1.80	1.90	2.14	2.17	2.93	3.37	4.02	4.18	4.35	5.11	6.89
MOTOR GASOLINE	2.95	3.11	3.28	3.54	4.82	5.13	5.52	5.94	6.11	8.55	12.26
RESIDUAL FUEL	.17	.54	.72	1.01	1.95	1.93	4.55	6.10	5.50	6.56	.94
ELECTRICITY	69.27	80.26	91.86	111.34	140.47	206.14	232.98	272.92	297.12	317.98	355.82
INDUSTRIAL SECTOR											
TOTAL ENERGY	187.00	208.80	249.95	296.97	450.58	499.66	629.05	751.30	784.93	948.84	1,142.41
METALLURGICAL COAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER COAL	23.56	20.30	18.41	17.35	45.84	37.96	39.14	43.72	63.84	57.36	70.78
NATURAL GAS (DRY)	36.40	39.11	44.81	55.20	52.59	72.02	94.73	109.70	101.23	186.62	272.85
TOTAL PETROLEUM	43.53	51.35	56.90	68.99	129.32	135.91	197.77	249.50	240.11	269.61	329.30
ASPHALT	9.86	10.05	11.23	11.82	24.50	28.89	24.69	27.80	31.64	33.72	36.17
DISTILLATE FUEL	8.94	8.49	9.45	10.48	24.80	24.60	34.74	49.07	37.23	43.19	66.51
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KEROSENE	1.12	1.80	.97	.69	2.18	1.86	3.04	8.12	8.10	3.90	4.91
LPG	8.27	9.43	11.38	12.50	18.74	19.71	24.31	26.01	30.04	35.25	47.52
LUBRICANTS	5.47	5.37	5.81	8.56	11.68	14.07	15.60	16.81	18.38	24.12	25.09
MOTOR GASOLINE	4.80	4.28	3.21	4.51	5.27	4.77	4.14	3.75	3.50	4.09	4.91
RESIDUAL FUEL	3.24	9.65	12.43	17.29	33.36	31.55	75.68	98.56	91.53	98.45	103.23
ROAD OIL	.00	.00	.00	.00	.11	*	*	.00	.00	.00	.27
OTHER PETROLEUM PRODUCTS	1.84	2.27	2.41	3.14	8.69	10.46	15.56	19.38	19.70	26.90	40.68
ELECTRICITY	83.51	98.04	129.83	155.42	222.83	253.77	297.42	348.38	379.74	435.24	469.49
TRANSPORTATION SECTOR											
TOTAL ENERGY	467.06	515.07	562.08	636.00	891.07	930.85	1,045.48	1,151.30	1,238.43	1,668.72	2,244.08
OTHER COAL	.04	.03	.02	.01	.02	.01	*	*	.00	.00	.00
NATURAL GAS (DRY)	.68	.71	.72	.90	.58	1.29	1.77	1.87	3.25	4.40	6.04
TOTAL PETROLEUM	466.34	514.33	561.34	635.09	890.47	929.56	1,043.71	1,149.43	1,235.18	1,664.32	2,238.04
AVIATION GASOLINE	8.60	7.78	7.47	6.93	8.79	7.30	6.57	6.88	7.79	8.66	13.97
DISTILLATE FUEL	22.09	26.89	26.23	47.40	72.75	68.12	82.90	106.58	114.12	195.00	269.81
JET FUEL	16.12	17.43	16.53	17.63	30.52	38.16	32.78	41.32	45.92	62.90	114.02
LPG	.15	.17	.22	.24	.36	.34	.42	.45	.44	.52	.70
LUBRICANTS	8.66	8.66	9.36	9.39	12.81	12.09	13.40	15.53	16.98	22.28	23.18
MOTOR GASOLINE	408.05	449.75	498.46	549.13	757.99	799.47	900.81	973.82	1,043.30	1,363.58	1,799.29
RESIDUAL FUEL	2.68	3.65	3.06	4.38	7.26	4.07	6.82	4.85	6.63	11.38	17.07
ELECTRICITY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRIC UTILITIES											
TOTAL ENERGY	65.63	86.56	99.28	119.67	263.21	192.92	208.70	343.96	374.95	388.05	448.89
OTHER COAL	38.96	54.40	65.36	69.79	177.00	109.70	123.88	202.09	218.56	233.07	290.85
NATURAL GAS (DRY)	17.07	17.71	11.92	13.40	16.59	10.65	3.92	2.32	9.31	11.61	13.49
TOTAL PETROLEUM	9.58	9.33	12.72	24.21	49.28	31.90	40.38	85.24	78.99	73.77	65.53
DISTILLATE FUEL	3.73	5.39	6.51	8.32	11.23	1.05	2.61	26.52	16.51	13.30	22.46
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PETROLEUM COKE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RESIDUAL FUEL	5.85	3.94	6.22	15.89	38.05	30.84	37.77	58.72	62.48	60.47	43.07
NUCLEAR POWER	.02	5.12	9.27	12.27	20.34	40.67	40.52	54.30	68.10	69.60	79.02
WOOD AND WASTE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

* LESS THAN .005.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE TO THE INDUSTRIAL SECTOR BY STATE.

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE EXPENDITURES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL SINCE THERE ARE NO ASSOCIATED FUEL COSTS FOR THESE ENERGY SOURCES.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MEXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: COAL INCLUDES ANTHRACITE, BITUMINOUS, AND LIGNITE EXCEPT IN THE TRANSPORTATION SECTOR WHICH DOES NOT CONSUME ANTHRACITE.

NOTE: RESIDENTIAL, COMMERCIAL, INDUSTRIAL, AND TRANSPORTATION EXPENDITURES EXCLUDE ENERGY EXPENDITURES FOR WOOD AND WOOD WASTE.

NOTE: EXPENDITURES ON NET IMPORTS OF COAL COKE ARE NOT DISTRIBUTED BY STATE; THEREFORE, THE SUM OF THE TOTAL EXPENDITURES BY STATE WILL NOT EQUAL THE TOTAL U.S. EXPENDITURE.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, THE ENERGY, PRICE, AND EXPENDITURES DATA SYSTEM (EPEDS)

Table 126. Average Annual Fuel Prices by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: South Carolina (Dollars per Million Btu)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
ALL FUELS	2.7892	3.0012	3.2560	3.6398	4.8062	5.7432	5.6437	6.4968	6.8760	8.4364	9.5600
OTHER COAL	.4812	.8615	.5731	1.0539	.7853	1.0716	1.0564	1.7860	2.1950	2.8371	2.9954
NATURAL GAS	1.3110	1.4244	1.5710	1.6101	1.9220	2.0821	2.3294	2.8121	2.9109	3.4387	4.0581
TOTAL PETROLEUM	1.6334	1.6438	1.7015	2.1619	2.9800	3.3136	3.6678	3.9202	4.0799	5.5007	7.4653
DISTILLATE FUEL	1.2429	1.3470	1.3555	1.5383	2.4256	2.7386	2.9325	3.2871	3.4679	4.4410	6.8517
KEROSENE	1.5756	1.6018	1.6154	1.8941	2.9822	3.1567	3.3124	3.7575	4.0180	5.4488	8.2868
LPG	2.5441	2.3021	2.4952	3.6515	4.0139	4.2830	5.3065	5.2150	5.1433	7.0967	7.4700
ELECTRICITY	5.6316	6.0790	6.5005	6.6807	8.2960	9.5932	10.4377	11.4217	11.3362	12.6681	13.4512
COMMERCIAL SECTOR											
ALL FUELS	2.3196	2.5378	2.7348	2.9448	3.9300	4.8128	4.2884	5.1985	6.0742	7.2560	7.6151
OTHER COAL	.4957	.5042	.5432	.5540	1.2867	1.3964	1.2369	1.2996	1.7399	1.5255	1.5487
NATURAL GAS	.8611	.9542	.9805	.9912	1.1019	1.2233	1.4486	2.0697	2.3804	2.7343	3.1075
TOTAL PETROLEUM	1.2961	1.3203	1.3205	1.4802	2.5012	2.7727	2.7369	3.0288	3.0979	4.1383	6.8422
DISTILLATE FUEL	1.0211	1.0810	1.0825	1.2632	2.1549	2.4101	2.5830	2.9396	3.0742	4.2506	6.3538
KEROSENE	.6323	.6493	.6460	.7818	2.2556	2.2943	2.4984	2.9555	3.1917	4.5861	6.8197
LPG	1.5230	1.6041	1.6484	1.7334	2.7695	2.9395	3.1813	3.3070	3.6162	3.7549	5.4778
MOTOR GASOLINE	2.7526	2.8525	2.9265	3.0696	4.2423	4.3489	4.6332	4.8987	5.0115	6.9127	9.7361
RESIDUAL FUEL	.3286	.5188	.5468	.6954	1.6151	1.8575	1.8508	2.2110	2.0312	2.7375	4.2848
ELECTRICITY	4.8351	5.1749	5.3613	5.7031	7.2100	8.5267	9.0798	9.9520	10.2720	11.3089	12.0309
INDUSTRIAL SECTOR											
ALL FUELS	.8665	.9459	1.0724	1.2459	1.9976	2.4684	2.5831	2.9618	3.2865	3.7396	4.3865
METALLURGICAL COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
OTHER COAL	.4957	.5042	.5432	.5540	1.2867	1.3964	1.2369	1.2996	1.7399	1.5255	1.5487
NATURAL GAS	.4486	.4787	.5331	.6316	.7024	1.0039	1.2648	1.5626	1.7917	2.4241	2.8948
TOTAL PETROLEUM	.8268	.8369	.8428	1.0003	1.9727	2.2672	2.2481	2.5354	2.5810	3.1872	4.9924
ASPHALT	.6691	.7187	.7691	.8131	1.3813	1.7846	1.8135	1.9797	2.1986	2.5784	3.5745
DISTILLATE FUEL	.5785	.5940	.5910	.7152	2.0635	2.1219	2.3039	2.7056	2.9047	3.6470	6.1189
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
KEROSENE	.6323	.6493	.6460	.7818	2.2556	2.2943	2.4984	2.9555	3.1917	4.5861	6.8197
LPG	1.5230	1.6041	1.6484	1.7334	2.7695	2.9395	3.1813	3.3070	3.6162	3.7549	5.4778
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.7526	2.8525	2.9265	3.0696	4.2423	4.3489	4.6332	4.8987	5.0115	6.9127	9.7361
RESIDUAL FUEL	.3213	.5074	.5347	.6801	1.5794	1.8164	1.8308	2.1457	2.0121	2.4590	3.8598
ROAD OIL	.0000	.0000	.0000	.0000	1.6516	1.8756	1.9155	.0000	.0000	.0000	4.2392
OTHER PETROLEUM PRODUCTS	.7282	.7576	.7551	.9355	2.0341	2.2361	2.3887	2.6898	2.8327	3.9074	6.2121
ELECTRICITY	2.4209	2.6200	2.7267	3.0681	4.5001	5.8262	6.0679	6.7763	7.2181	7.9796	8.6112
TRANSPORTATION SECTOR											
ALL FUELS	2.3028	2.4322	2.5442	2.6836	3.8291	4.0144	4.2691	4.5586	4.6772	6.3705	9.0591
OTHER COAL	.4957	.5042	.5432	.5540	1.2867	1.3964	1.2369	1.2996	.0000	.0000	.0000
NATURAL GAS	.2006	.2170	.2324	.2506	.2633	.4785	.5103	.5754	.8245	1.4899	1.9566
TOTAL PETROLEUM	2.3390	2.4677	2.5773	2.7213	3.8636	4.0560	4.3231	4.6107	4.7355	6.4261	9.1487
AVIATION GASOLINE	3.4553	3.5236	3.4986	3.7615	5.2408	5.6360	5.8299	6.4522	7.0471	8.9857	13.7282
DISTILLATE FUEL	1.3090	1.5314	1.5453	1.8643	2.8962	2.9826	3.1782	3.5195	3.7126	4.9579	7.5586
JET FUEL	.7993	.8400	.8370	.9933	1.7119	2.2326	2.3722	2.8019	3.1058	4.3364	7.0906
LPG	1.5230	1.6041	1.6484	1.7334	2.7695	2.9395	3.1813	3.3070	3.6162	3.7549	5.4778
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.7526	2.8525	2.9265	3.0696	4.2423	4.3489	4.6332	4.8987	5.0115	6.9127	9.7361
RESIDUAL FUEL	.2661	.4201	.4427	.5631	1.3078	1.5027	1.5488	1.8011	1.5761	2.2661	3.2098
ELECTRICITY	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
ELECTRIC UTILITIES											
ALL FUELS	.4259	.4607	.4312	.4606	.8740	.5315	.5734	.8913	.9055	.9822	1.1109
OTHER COAL	.4330	.4930	.4700	.5208	1.5037	1.0318	.9162	1.3116	1.3916	1.3758	1.4772
NATURAL GAS	.3672	.4312	.4737	.5211	.7546	.7128	1.0103	.9020	1.7363	2.1686	2.4084
TOTAL PETROLEUM	.5462	.9053	.9148	.7370	1.2954	1.1629	1.4573	1.9544	2.0358	2.7875	3.9949
DISTILLATE FUEL	.7930	1.1927	1.2513	1.2051	2.5201	2.4125	2.4068	2.7384	2.8313	4.1279	5.7803
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
PETROLEUM COKE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
RESIDUAL FUEL	.4557	.6809	.7138	.6125	1.1329	1.1427	1.4187	1.7307	1.8951	2.6017	3.4407
NUCLEAR POWER	.2167	.1956	.1779	.1825	.1648	.1898	.2055	.2925	.3199	.3590	.4267
WOOD AND WASTE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE PRICES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: THE FOLLOWING FUEL SECTOR PRICES HAVE BEEN SUBSTITUTED (SEE THE DOCUMENTATION FOR THE DETAILS), COAL COMMERCIAL = COAL INDUSTRIAL, KEROSENE COMMERCIAL = KEROSENE INDUSTRIAL, LPG COMMERCIAL = LPG INDUSTRIAL, MOTOR GASOLINE COMMERCIAL = MOTOR GASOLINE TRANSPORTATION; JET FUEL INDUSTRIAL = JET FUEL TRANSPORTATION, MOTOR GASOLINE INDUSTRIAL = MOTOR GASOLINE TRANSPORTATION, OTHER PETROLEUM PRODUCTS INDUSTRIAL = DISTILLATE INDUSTRIAL UNITED STATES; COAL TRANSPORTATION = COAL INDUSTRIAL, LPG TRANSPORTATION = LPG INDUSTRIAL, LUBRICANTS TRANSPORTATION = LUBRICANTS INDUSTRIAL.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 127. Fuel Expenditures and Electricity Sales by Fuel Type, 1970-1980: South Dakota (Million Dollars)

ENERGY EXPENDITURES ALL SECTORS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
COAL											
METALLURGICAL COAL	0	0	0	0	0	0	0	0	0	0	0
OTHER COAL	1	1	1	1	2	2	4	5	5	2	4
(INCLUDING ELECTRICITY GENERATION)	2	3	3	3	5	15	25	24	27	26	33
TOTAL COAL	1	1	1	1	2	2	4	5	5	2	4
(INCLUDING ELECTRICITY GENERATION)	2	3	3	3	5	15	25	24	27	26	33
NATURAL GAS											
TOTAL NATURAL GAS	24	23	26	24	33	32	46	55	67	62	69
(INCLUDING ELECTRICITY GENERATION)	26	25	27	26	34	34	47	55	67	62	70
PETROLEUM PRODUCTS											
ASPHALT AND ROAD OIL	4	5	6	7	10	12	10	8	11	14	16
AVIATION GASOLINE	3	3	3	3	4	3	3	4	4	5	8
DISTILLATE FUEL OIL	24	26	25	31	51	56	53	53	69	168	191
(INCLUDING ELECTRICITY GENERATION)	25	27	26	31	51	58	54	56	71	172	195
JET FUEL	5	6	6	6	11	14	15	19	20	28	46
(INCLUDING ELECTRICITY GENERATION)	5	6	6	6	11	14	15	19	20	28	46
KEROSENE	*	*	*	*	*	*	4	3	4	1	1
LIQUEFIED PETROLEUM GASES	18	17	21	30	31	34	37	55	45	72	78
LUBRICANTS	6	6	6	7	10	9	10	9	10	14	14
MOTOR GASOLINE	155	155	148	179	236	262	281	304	320	400	491
RESIDUAL FUEL	*	*	*	*	1	1	2	2	2	2	2
(INCLUDING ELECTRICITY GENERATION)	1	1	2	1	1	2	3	3	3	3	2
ALL OTHER PETROLEUM PRODUCTS	*	*	*	*	*	*	1	1	1	1	1
(INCLUDING ELECTRICITY GENERATION)	*	*	*	*	*	*	1	1	1	1	1
TOTAL PETROLEUM	217	219	215	263	352	391	415	458	486	704	848
(INCLUDING ELECTRICITY GENERATION)	218	220	216	264	353	394	417	461	489	709	852
NUCLEAR POWER, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
WOOD AND WASTE, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
ELECTRICITY SALES	70	74	80	84	93	113	133	140	165	186	200
TOTAL (INCLUDING ELECTRICITY SALES, EXCLUDING ELECTRICITY GENERATION)	312	317	321	372	480	539	598	658	723	954	1,122
TOTAL (EXCLUDING ELECTRICITY SALES, INCLUDING ELECTRICITY GENERATION)	247	247	246	292	393	443	490	540	583	797	955

* LESS THAN .5.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: THERE ARE NO PURCHASED FUEL EXPENDITURES FOR ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: DATA FOR 1980 DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.

NOTE: THE "ALL OTHER PETROLEUM PRODUCTS" CATEGORY INCLUDES NATURAL GASOLINE, UNFRACTIONATED STREAM, PLANT CONDENSATE, PETRO CHEMICAL FEEDSTOCKS, SPECIAL NAPHTHAS, PETROLEUM COKE (NOT CONSUMED IN ELECTRIC UTILITIES), STILL GAS, WAX, AND MISCELLANEOUS PRODUCTS. THE "(INCLUDING ELECTRICITY GENERATION)" CATEGORY INCLUDES PETROLEUM COKE FUEL EXPENDITURES FOR ELECTRIC UTILITIES.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE; THEREFORE, THE SUM OF ALL STATES WILL NOT EQUAL TOTAL U.S.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 128. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: South Dakota (Million Dollars)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
TOTAL ENERGY	77.40	77.51	85.72	94.25	101.19	114.70	129.28	143.10	165.16	217.57	232.35
OTHER COAL	.11	.26	.21	.35	1.16	.79	.27	.61	.23	.44	.59
NATURAL GAS (DRY)	14.71	14.06	15.26	13.60	14.99	17.06	22.22	26.34	31.76	31.61	33.93
TOTAL PETROLEUM	20.62	19.12	21.92	30.97	30.01	33.64	34.18	39.65	39.72	79.65	86.27
DISTILLATE FUEL	5.48	5.22	5.92	6.15	8.41	8.30	6.28	5.11	6.03	26.01	30.58
KEROSENE	.12	.08	.05	.08	.05	.05	2.24	1.87	2.24	.39	.44
LPG	15.02	13.82	15.94	24.74	21.56	25.28	25.67	32.67	31.45	53.25	55.24
ELECTRICITY	41.95	44.07	48.32	49.33	55.02	63.22	72.60	76.50	93.45	105.88	111.56
COMMERCIAL SECTOR											
TOTAL ENERGY	35.97	37.01	40.07	42.82	53.23	49.60	58.29	64.01	73.55	85.86	95.66
OTHER COAL	.31	.29	.24	.22	.59	.38	.14	.37	.13	.22	.31
NATURAL GAS (DRY)	7.41	7.27	7.94	8.24	13.57	11.64	17.72	21.76	23.75	22.69	23.74
TOTAL PETROLEUM	4.39	4.24	4.74	4.95	7.54	8.11	7.95	8.79	9.14	19.09	25.08
DISTILLATE FUEL	1.83	1.70	1.92	2.08	3.04	3.03	2.29	1.87	2.18	9.77	13.69
KEROSENE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
LPG	1.71	1.72	1.99	1.86	3.03	3.37	3.48	4.48	4.59	6.27	7.64
MOTOR GASOLINE	.78	.77	.70	.90	1.28	1.44	1.52	1.62	1.75	2.32	3.32
RESIDUAL FUEL	.06	.04	.13	.12	.19	.26	.66	.81	.62	.73	.43
ELECTRICITY	23.86	25.22	27.15	29.40	31.53	29.47	32.48	33.09	40.52	43.87	46.52
INDUSTRIAL SECTOR											
TOTAL ENERGY	57.99	55.16	49.84	64.00	93.49	108.70	115.16	125.28	145.90	200.96	230.58
METALLURGICAL COAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER COAL	.08	.07	.07	.05	.10	1.27	3.84	4.16	4.89	1.24	3.48
NATURAL GAS (DRY)	2.27	1.97	2.41	2.23	4.00	3.57	5.98	6.84	11.29	7.11	11.25
TOTAL PETROLEUM	51.11	48.34	42.39	56.03	82.53	83.41	77.89	84.22	98.99	156.60	174.01
ASPHALT	3.73	5.01	5.56	6.61	9.50	11.21	9.61	7.56	10.62	13.13	16.12
DISTILLATE FUEL	9.85	9.81	9.58	10.43	21.13	23.90	18.76	15.85	25.34	66.48	65.54
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KEROSENE	.01	*	*	.03	.03	.03	1.67	1.42	1.93	.64	.20
LPG	1.58	1.67	2.44	2.91	5.77	5.38	7.61	17.54	8.73	11.93	14.53
LUBRICANTS	.53	.58	.63	1.18	1.61	1.14	1.26	.21	.23	.31	.32
MOTOR GASOLINE	34.48	30.86	23.54	33.65	43.13	40.11	36.78	38.74	49.42	61.57	74.70
RESIDUAL FUEL	.14	.11	.33	.30	.49	.68	1.23	1.63	1.30	1.31	1.94
ROAD OIL	.76	.27	.26	.85	.76	.73	.33	.27	.63	.38	.02
OTHER PETROLEUM PRODUCTS	.04	.03	.04	.07	.13	.23	.63	.99	.78	.85	.64
ELECTRICITY	4.53	4.78	4.98	5.69	6.86	20.45	27.45	30.05	30.74	36.01	41.84
TRANSPORTATION SECTOR											
TOTAL ENERGY	140.67	147.10	145.84	170.65	232.28	266.32	295.11	325.34	338.21	449.35	563.23
OTHER COAL	*	*	*	*	*	*	*	*	.00	.00	.00
NATURAL GAS (DRY)	*	*	*	*	.01	.02	.02	.02	.03	.49	.13
TOTAL PETROLEUM	140.67	147.09	145.84	170.65	232.27	266.30	295.10	325.32	338.18	448.86	563.10
AVIATION GASOLINE	3.15	2.81	2.70	2.54	3.70	3.19	3.02	3.59	3.76	4.72	8.36
DISTILLATE FUEL	7.06	9.68	8.02	11.89	17.93	20.44	25.76	30.45	35.21	66.06	80.83
JET FUEL	5.46	5.90	5.55	6.19	10.97	13.69	14.77	18.55	19.67	28.04	46.42
LPG	.11	.11	.13	.13	.20	.21	.17	.18	.13	.17	.21
LUBRICANTS	5.53	5.34	5.78	5.89	8.03	7.93	8.79	9.28	10.15	13.32	13.86
MOTOR GASOLINE	119.35	123.23	123.66	144.00	191.44	220.82	242.58	263.25	269.25	336.54	413.41
RESIDUAL FUEL	.02	.02	.00	.00	.00	.01	.01	.01	.01	.00	.00
ELECTRICITY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRIC UTILITIES											
TOTAL ENERGY	4.82	4.50	4.97	4.99	5.97	17.15	24.34	22.38	24.45	28.57	33.16
OTHER COAL	1.76	2.12	2.06	2.24	3.13	12.09	20.91	18.94	21.25	23.81	28.66
NATURAL GAS (DRY)	1.50	1.20	1.31	1.67	1.75	2.13	1.09	.23	.04	.25	.53
TOTAL PETROLEUM	1.56	1.17	1.60	1.09	1.08	2.92	2.34	3.21	3.16	4.50	3.98
DISTILLATE FUEL	.29	.23	.40	.27	.30	1.85	.85	2.30	2.27	3.99	3.90
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PETROLEUM COKE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RESIDUAL FUEL	1.27	.95	1.20	.81	.78	1.07	1.49	.91	.89	.52	.08
NUCLEAR POWER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WOOD AND WASTE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

* LESS THAN .005.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE TO THE INDUSTRIAL SECTOR BY STATE.

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE EXPENDITURES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL SINCE THERE ARE NO ASSOCIATED FUEL COSTS FOR THESE ENERGY SOURCES.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MEXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: COAL INCLUDES ANTHRACITE, BITUMINOUS, AND LIGNITE EXCEPT IN THE TRANSPORTATION SECTOR WHICH DOES NOT CONSUME ANTHRACITE.

NOTE: RESIDENTIAL, COMMERCIAL, INDUSTRIAL, AND TRANSPORTATION EXPENDITURES EXCLUDE ENERGY EXPENDITURES FOR WOOD AND WOOD WASTE.

NOTE: EXPENDITURES ON NET IMPORTS OF COAL COKE ARE NOT DISTRIBUTED BY STATE; THEREFORE, THE SUM OF THE TOTAL EXPENDITURES BY STATE WILL NOT EQUAL THE TOTAL U.S. EXPENDITURE.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, THE ENERGY, PRICE, AND EXPENDITURES DATA SYSTEM (EPEDS)

Table 129. Average Annual Fuel Prices by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: South Dakota (Dollars per Million Btu)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
ALL FUELS	2.4167	2.5652	2.6080	3.2060	3.5319	3.8019	4.0065	4.5236	4.8887	6.1356	7.1598
OTHER COAL	.3840	1.0018	.9806	1.6720	3.4960	3.6100	3.5150	3.0033	3.2875	3.3225	3.8048
NATURAL GAS	1.0348	1.0965	1.1275	1.1919	1.2913	1.3970	1.5025	1.8279	2.1016	2.6245	3.1383
TOTAL PETROLEUM	1.7033	1.6697	1.6924	2.6964	2.9487	3.1472	3.3823	4.1646	3.9343	5.5998	6.8815
DISTILLATE FUEL	1.2341	1.3137	1.3184	1.5495	2.5046	2.5455	2.7969	3.1957	3.3693	4.7952	6.9266
KEROSENE	1.5656	1.5740	1.6124	1.7997	2.7763	2.9073	3.1386	3.6123	3.8391	5.2899	7.8467
LPG	1.9795	1.8611	1.8922	3.3110	3.1683	3.4126	3.5903	4.4125	4.0725	6.1025	6.8500
ELECTRICITY	7.7536	7.7558	7.8420	7.8430	8.4272	8.9614	9.9503	10.1992	10.9863	11.6832	12.4654
COMMERCIAL SECTOR											
ALL FUELS	1.9026	2.0575	2.0798	2.3397	2.7397	2.6789	2.6639	2.9914	3.6015	4.6297	5.6753
OTHER COAL	.5710	.5994	.6083	.5633	.9601	.9302	.9436	.9788	1.0343	.9002	1.0886
NATURAL GAS	.6327	.6653	.6901	.7646	1.1357	.9935	1.1335	1.4440	1.7259	2.2395	2.7252
TOTAL PETROLEUM	1.2652	1.3193	1.2821	1.4981	2.5567	2.6686	2.8309	3.3430	3.4006	4.4269	6.2695
DISTILLATE FUEL	1.0382	1.0784	1.0772	1.3195	2.2751	2.3403	2.5642	2.9375	3.0685	4.5312	6.4752
KEROSENE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
LPG	1.2765	1.3139	1.3357	1.4112	2.5245	2.5792	2.7600	3.4325	3.3689	4.0733	5.3690
MOTOR GASOLINE	2.9719	2.8776	2.6140	3.0931	4.1954	4.6960	4.8857	5.1156	5.3428	7.0768	9.6562
RESIDUAL FUEL	.6360	.7970	.8259	.9564	1.7517	2.0624	1.9167	2.2045	2.1612	2.5232	3.6099
ELECTRICITY	7.5123	7.4792	7.4111	7.6883	8.0566	8.7903	9.8610	9.9564	10.5486	11.3653	12.0627
INDUSTRIAL SECTOR											
ALL FUELS	1.4204	1.4138	1.2783	1.6186	2.6858	2.9458	2.8728	3.1905	3.4619	4.7514	6.1608
METALLURGICAL COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
OTHER COAL	.5710	.5994	.6083	.5633	.9601	.9302	.9436	.9788	1.0343	.9002	1.0886
NATURAL GAS	.3244	.3492	.3805	.4062	.7207	.6019	.7267	.9639	1.5991	2.0458	2.3491
TOTAL PETROLEUM	1.5621	1.4974	1.3420	1.7059	2.9553	3.1820	3.2817	3.5616	3.7330	4.7303	6.9801
ASPHALT	.7319	.8181	.8564	.9006	1.7687	2.0880	2.0239	2.1008	2.1663	2.5662	3.8144
DISTILLATE FUEL	.7255	.7210	.7140	.9417	2.3279	2.5717	2.7090	2.8206	3.1588	4.3543	6.8939
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
KEROSENE	.7770	.7722	.7646	1.0085	2.4931	2.7812	2.9118	3.0416	3.4375	5.1674	7.2168
LPG	1.2765	1.3139	1.3357	1.4112	2.5245	2.5792	2.7600	3.4325	3.3689	4.0733	5.3690
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.9719	2.8776	2.6140	3.0931	4.1954	4.6960	4.8857	5.1156	5.3428	7.0768	9.6562
RESIDUAL FUEL	.6220	.7794	.8077	.9353	1.7131	2.0169	1.8960	2.1393	2.1409	2.2665	3.2519
ROAD OIL	.9092	.9783	.9740	.9859	2.0510	2.0886	2.1708	2.1758	2.2212	2.5818	4.5696
OTHER PETROLEUM PRODUCTS	.7282	.7576	.7551	.9355	2.0341	2.2361	2.3887	2.6898	2.8327	3.9074	6.2121
ELECTRICITY	4.7293	4.9301	5.1235	5.1173	5.5863	6.0315	6.7725	7.0348	8.0013	8.3036	9.2760
TRANSPORTATION SECTOR											
ALL FUELS	2.5904	2.4906	2.3624	2.7624	3.8260	4.2784	4.4634	4.7442	4.9417	6.4865	8.9907
OTHER COAL	.5710	.5994	.6083	.5633	.9601	.9302	.9436	.9788	.0000	.0000	.0000
NATURAL GAS	.1990	.1990	.2988	.3326	.3128	.5000	.5489	.6296	.7819	1.2088	1.7139
TOTAL PETROLEUM	2.5909	2.4908	2.3628	2.7629	3.8270	4.2804	4.4653	4.7459	4.9436	6.5176	8.9998
AVIATION GASOLINE	3.4553	3.5236	3.4986	3.7615	5.2408	5.6360	5.8299	6.4522	7.0471	9.4849	14.2274
DISTILLATE FUEL	1.3060	1.3005	1.3366	1.6362	2.5712	2.6910	2.8965	3.3503	3.4860	4.9979	7.0510
JET FUEL	.8052	.8459	.8430	1.0000	1.7237	2.2481	2.4552	2.8820	3.1130	4.3186	6.9102
LPG	1.2765	1.3139	1.3357	1.4112	2.5245	2.5792	2.7600	3.4325	3.3689	4.0733	5.3690
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.9719	2.8776	2.6140	3.0931	4.1954	4.6960	4.8857	5.1156	5.3428	7.0768	9.6562
RESIDUAL FUEL	.4403	.6542	.0000	.0000	.0000	1.5692	1.5998	1.9286	1.6931	.0000	.0000
ELECTRICITY	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
ELECTRIC UTILITIES											
ALL FUELS	.4152	.4475	.4815	.4423	.5450	.6261	.6717	.6689	.6745	.8073	.9555
OTHER COAL	.3520	.4050	.4290	.3809	.4728	.5312	.6195	.5918	.6067	.6962	.8475
NATURAL GAS	.3324	.3513	.3607	.4007	.4725	.6417	.8569	1.2022	1.5363	1.9036	1.9653
TOTAL PETROLEUM	.7413	.8432	.8479	.8683	1.7560	2.2494	1.9315	2.5400	2.6507	4.2734	6.3632
DISTILLATE FUEL	1.0508	1.1940	1.1771	1.2079	2.0590	2.2854	2.5676	2.9958	3.0177	4.8555	6.5013
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
PETROLEUM COKE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
RESIDUAL FUEL	.6940	.7870	.7760	.7930	1.6624	2.1900	1.6916	1.8347	2.0242	2.2181	3.0682
NUCLEAR POWER	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
WOOD AND WASTE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE PRICES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: THE FOLLOWING FUEL SECTOR PRICES HAVE BEEN SUBSTITUTED (SEE THE DOCUMENTATION FOR THE DETAILS), COAL COMMERCIAL = COAL INDUSTRIAL, KEROSENE COMMERCIAL = KEROSENE INDUSTRIAL, LPG COMMERCIAL = LPG INDUSTRIAL, MOTOR GASOLINE COMMERCIAL = MOTOR GASOLINE TRANSPORTATION; JET FUEL INDUSTRIAL = JET FUEL TRANSPORTATION, MOTOR GASOLINE INDUSTRIAL = MOTOR GASOLINE TRANSPORTATION, OTHER PETROLEUM PRODUCTS INDUSTRIAL = DISTILLATE INDUSTRIAL UNITED STATES; COAL TRANSPORTATION = COAL INDUSTRIAL, LPG TRANSPORTATION = LPG INDUSTRIAL, LUBRICANTS TRANSPORTATION = LUBRICANTS INDUSTRIAL.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 130. Fuel Expenditures and Electricity Sales by Fuel Type, 1970-1980: Tennessee (Million Dollars)

ENERGY EXPENDITURES ALL SECTORS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
COAL											
METALLURGICAL COAL	2	2	3	4	6	8	8	17	7	8	6
OTHER COAL	19	26	24	27	65	56	52	70	97	97	94
(INCLUDING ELECTRICITY GENERATION)	96	127	162	185	489	467	421	565	729	598	772
TOTAL COAL	22	28	27	30	71	64	60	87	103	105	99
(INCLUDING ELECTRICITY GENERATION)	98	129	164	189	495	474	429	582	736	607	778
NATURAL GAS											
TOTAL NATURAL GAS	126	143	168	178	192	193	265	334	317	480	613
(INCLUDING ELECTRICITY GENERATION)	130	148	174	182	192	193	265	334	317	480	615
PETROLEUM PRODUCTS											
ASPHALT AND ROAD OIL	16	17	19	26	32	45	47	66	81	75	80
AVIATION GASOLINE	1	1	1	1	2	1	1	1	2	31	16
DISTILLATE FUEL OIL	70	77	96	128	221	249	307	358	412	621	763
(INCLUDING ELECTRICITY GENERATION)	70	77	98	129	227	273	338	422	492	641	778
JET FUEL	13	13	14	18	31	41	47	58	70	99	137
(INCLUDING ELECTRICITY GENERATION)	13	13	14	18	31	41	47	58	70	99	137
KEROSENE	28	29	24	30	43	38	48	52	55	80	70
LIQUEFIED PETROLEUM GASES	26	25	29	48	46	52	56	63	62	91	104
LUBRICANTS	30	32	35	41	56	75	83	74	81	106	110
MOTOR GASOLINE	625	665	721	826	1,102	1,293	1,410	1,553	1,686	2,103	2,798
RESIDUAL FUEL	1	1	2	3	10	8	36	44	33	38	34
(INCLUDING ELECTRICITY GENERATION)	1	1	2	3	10	8	36	44	33	38	34
ALL OTHER PETROLEUM PRODUCTS	23	26	30	34	73	75	75	101	92	113	161
(INCLUDING ELECTRICITY GENERATION)	23	26	30	34	73	75	75	101	92	113	161
TOTAL PETROLEUM	834	886	970	1,153	1,615	1,877	2,110	2,370	2,574	3,357	4,273
(INCLUDING ELECTRICITY GENERATION)	834	886	972	1,155	1,621	1,901	2,141	2,434	2,654	3,377	4,288
NUCLEAR POWER, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	2
WOOD AND WASTE, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
ELECTRICITY SALES	505	595	636	750	900	1,361	1,582	1,745	2,089	2,425	2,731
TOTAL (INCLUDING ELECTRICITY SALES, EXCLUDING ELECTRICITY GENERATION)	1,487	1,652	1,802	2,112	2,777	3,496	4,017	4,535	5,083	6,366	7,716
TOTAL (EXCLUDING ELECTRICITY SALES, INCLUDING ELECTRICITY GENERATION)	1,063	1,163	1,310	1,525	2,307	2,569	2,835	3,350	3,706	4,463	5,683

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.
NOTE: THERE ARE NO PURCHASED FUEL EXPENDITURES FOR ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.
NOTE: DATA FOR 1980 DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.
NOTE: THE "ALL OTHER PETROLEUM PRODUCTS" CATEGORY INCLUDES NATURAL GASOLINE, UNFRACTIONATED STREAM, PLANT CONDENSATE, PETRO CHEMICAL FEEDSTOCKS, SPECIAL NAPHTHAS, PETROLEUM COKE (NOT CONSUMED IN ELECTRIC UTILITIES), STILL GAS, WAX, AND MISCELLANEOUS PRODUCTS. THE "(INCLUDING ELECTRICITY GENERATION)" CATEGORY INCLUDES PETROLEUM COKE FUEL EXPENDITURES FOR ELECTRIC UTILITIES.
NOTE: EXCLUDES NET IMPORTS OF COAL COKE; THEREFORE, THE SUM OF ALL STATES WILL NOT EQUAL TOTAL U.S.
SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 131. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Tennessee (Million Dollars)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
TOTAL ENERGY	287.70	331.96	352.18	404.37	459.18	649.45	737.35	844.17	929.32	1,043.67	1,216.18
OTHER COAL	1.30	4.72	3.87	3.68	5.78	5.11	3.86	4.12	3.53	3.80	5.40
NATURAL GAS (DRY)	42.47	45.86	55.32	49.46	51.20	56.22	69.79	90.09	84.19	105.24	130.79
TOTAL PETROLEUM	39.93	38.29	39.10	61.73	62.93	68.06	78.41	84.91	81.77	101.48	110.37
DISTILLATE FUEL	1.08	1.22	1.50	2.01	2.79	3.34	6.51	6.99	7.39	9.95	12.65
KEROSENE	18.62	18.74	15.18	19.66	27.67	25.25	30.51	32.52	33.96	29.06	28.69
LPG	20.22	18.33	22.43	40.06	32.47	39.47	41.39	45.41	40.42	62.47	69.03
ELECTRICITY	204.00	243.08	253.88	289.49	339.28	520.06	585.29	665.05	759.82	833.15	969.62
COMMERCIAL SECTOR											
TOTAL ENERGY	151.83	177.82	195.04	221.68	252.94	286.94	330.07	449.97	610.42	743.84	872.30
OTHER COAL	2.59	3.95	2.59	2.31	5.44	5.71	3.79	4.09	4.31	4.00	4.91
NATURAL GAS (DRY)	30.45	33.83	39.44	41.74	43.84	47.35	54.21	71.99	62.32	103.95	133.18
TOTAL PETROLEUM	12.05	12.29	12.63	15.14	22.69	25.51	34.70	37.65	39.86	51.13	77.08
DISTILLATE FUEL	2.39	2.66	3.27	4.42	6.40	7.71	15.08	16.10	16.92	23.73	39.49
KEROSENE	1.83	1.98	1.54	2.10	3.84	3.33	4.28	4.71	4.97	4.83	4.33
LPG	1.97	2.15	2.38	2.69	4.10	4.37	4.92	5.38	5.29	6.80	8.34
MOTOR GASOLINE	5.86	5.49	5.44	5.92	8.34	10.09	10.37	11.40	12.64	15.72	23.70
RESIDUAL FUEL	*	*	*	*	.01	.01	.05	.06	.04	.05	1.21
ELECTRICITY	106.75	127.75	140.37	162.50	180.97	208.37	237.37	336.24	503.93	584.76	657.13
INDUSTRIAL SECTOR											
TOTAL ENERGY	341.34	389.36	428.94	522.59	746.39	1,001.10	1,244.34	1,355.52	1,461.32	1,814.57	2,061.91
METALLURGICAL COAL	2.25	2.24	2.84	3.72	5.79	7.69	8.08	16.52	6.59	8.24	5.53
OTHER COAL	15.37	17.10	17.90	20.68	53.91	45.60	43.97	62.13	88.90	89.12	83.58
NATURAL GAS (DRY)	47.85	57.39	67.73	79.78	90.41	82.88	133.50	161.74	157.55	245.44	319.95
TOTAL PETROLEUM	81.50	88.50	98.52	120.30	216.87	232.28	299.07	371.37	382.89	465.12	548.88
ASPHALT	16.04	16.63	19.06	25.41	31.32	44.37	46.62	66.28	80.95	75.09	79.76
DISTILLATE FUEL	13.40	14.85	17.51	22.76	50.75	56.63	85.79	99.64	106.78	124.46	161.21
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KEROSENE	7.85	8.12	6.93	7.96	11.84	9.20	13.23	14.50	15.65	46.16	36.70
LPG	3.68	3.96	4.23	5.31	8.55	8.13	9.68	11.85	16.02	20.60	25.28
LUBRICANTS	12.22	14.96	16.18	20.52	28.01	29.58	32.79	33.61	36.76	48.23	50.18
MOTOR GASOLINE	3.51	3.15	3.06	2.25	3.92	2.82	2.34	2.65	2.20	1.76	1.85
RESIDUAL FUEL	1.24	1.12	1.82	2.29	9.03	6.39	33.75	42.27	32.32	35.73	32.83
ROAD OIL	.12	.00	.00	.09	.41	.41	.05	.00	.00	.00	.02
OTHER PETROLEUM PRODUCTS	23.43	25.71	29.73	33.70	73.04	74.74	74.81	100.58	92.21	113.08	161.05
ELECTRICITY	194.38	224.13	241.94	298.11	379.41	632.65	759.72	743.76	825.40	1,006.65	1,103.97
TRANSPORTATION SECTOR											
TOTAL ENERGY	706.04	752.54	826.06	963.01	1,318.91	1,558.19	1,705.08	1,885.76	2,082.16	2,764.23	3,565.31
OTHER COAL	.03	.03	.02	.02	.03	.01	*	*	.00	.00	.00
NATURAL GAS (DRY)	5.24	5.76	5.87	6.94	6.74	6.92	7.25	10.05	12.62	25.15	28.68
TOTAL PETROLEUM	700.78	746.76	820.17	956.05	1,312.14	1,551.26	1,697.82	1,875.71	2,069.54	2,739.08	3,536.63
AVIATION GASOLINE	1.28	1.26	1.28	1.33	1.58	1.28	1.05	1.35	1.55	30.64	16.20
DISTILLATE FUEL	53.11	58.27	73.91	98.36	160.81	180.87	199.29	235.00	281.09	463.02	549.38
JET FUEL	12.52	13.15	13.55	17.81	31.03	41.35	47.00	58.31	70.07	99.31	137.12
LPG	.20	.22	.19	.27	.46	.42	.45	.54	.57	.73	.90
LUBRICANTS	17.95	17.37	18.79	20.27	27.66	45.74	50.70	40.23	43.99	57.73	60.06
MOTOR GASOLINE	615.71	656.48	712.45	817.46	1,090.00	1,279.82	1,396.84	1,539.05	1,671.66	2,085.49	2,772.87
RESIDUAL FUEL	.01	*	.00	.55	.59	1.78	2.48	1.22	.61	2.15	.11
ELECTRICITY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRIC UTILITIES											
TOTAL ENERGY	80.91	106.38	143.93	163.92	429.50	434.34	400.60	559.15	711.75	521.64	697.71
OTHER COAL	76.52	100.94	137.15	158.40	423.60	410.30	369.46	494.98	632.29	501.51	678.28
NATURAL GAS (DRY)	4.40	4.97	5.33	3.78	.00	.00	.24	.00	.00	.00	2.42
TOTAL PETROLEUM	.00	.47	1.45	1.74	5.90	24.04	30.90	64.17	79.46	20.13	14.78
DISTILLATE FUEL	.00	.47	1.45	1.74	5.90	24.04	30.90	64.17	79.46	20.13	14.78
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PETROLEUM COKE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RESIDUAL FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
NUCLEAR POWER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.23
WOOD AND WASTE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

* LESS THAN .005.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE TO THE INDUSTRIAL SECTOR BY STATE.

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE EXPENDITURES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL SINCE THERE ARE NO ASSOCIATED FUEL COSTS FOR THESE ENERGY SOURCES.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MEXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: COAL INCLUDES ANTHRACITE, BITUMINOUS, AND LIGNITE EXCEPT IN THE TRANSPORTATION SECTOR WHICH DOES NOT CONSUME ANTHRACITE.

NOTE: RESIDENTIAL, COMMERCIAL, INDUSTRIAL, AND TRANSPORTATION EXPENDITURES EXCLUDE ENERGY EXPENDITURES FOR WOOD AND WOOD WASTE.

NOTE: EXPENDITURES ON NET IMPORTS OF COAL COKE ARE NOT DISTRIBUTED BY STATE; THEREFORE, THE SUM OF THE TOTAL EXPENDITURES BY STATE WILL NOT EQUAL THE TOTAL U.S. EXPENDITURE.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, THE ENERGY, PRICE, AND EXPENDITURES DATA SYSTEM (EPEDS)

Table 132. Average Annual Fuel Prices by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Tennessee (Dollars per Million Btu)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
ALL FUELS	2.1228	2.4158	2.4363	2.8432	3.4125	4.4633	4.9632	5.3902	6.2049	6.9674	8.0250
OTHER COAL	.2568	.8606	.9551	1.0298	1.8541	1.7448	1.7474	1.9850	1.8867	2.0033	2.4146
NATURAL GAS	.8846	.9466	1.0019	1.0543	1.1471	1.2522	1.5656	2.0310	2.0817	2.2903	2.8451
TOTAL PETROLEUM	1.8814	1.7891	1.9440	2.7884	3.2697	3.5656	3.7026	4.2864	4.3471	6.2274	7.9265
DISTILLATE FUEL	1.0936	1.2245	1.2379	1.4313	2.2753	2.4806	2.7704	3.1937	3.3907	4.6294	7.0765
KEROSENE	1.6204	1.6140	1.6731	1.8956	3.1599	3.3836	3.4633	3.8447	4.2504	6.6304	9.2163
LPG	2.3136	2.0838	2.2808	3.8656	3.5051	3.8398	4.1319	4.9550	4.6780	6.3983	7.6500
ELECTRICITY	3.3324	3.9161	3.8955	4.1599	5.0216	6.6172	7.2618	7.3591	8.5716	9.7272	10.8436
COMMERCIAL SECTOR											
ALL FUELS	1.8221	2.0413	2.2031	2.4530	2.9007	3.4619	4.0517	5.2078	6.6211	7.1308	8.0704
OTHER COAL	.2747	.3874	.3445	.3476	.9395	1.0496	.9242	1.0619	1.2384	1.2430	1.2911
NATURAL GAS	.6912	.7447	.8403	.8901	.9588	1.0926	1.3910	2.0113	1.9841	2.3907	2.9527
TOTAL PETROLEUM	1.4472	1.4908	1.4952	1.6209	2.6793	2.8865	3.0034	3.4285	3.6532	5.0125	7.1291
DISTILLATE FUEL	.9742	1.0772	1.0858	1.2658	2.0958	2.3022	2.5756	2.9547	3.1157	4.4325	6.7129
KEROSENE	.8096	.8657	.8657	1.0320	2.2276	2.2710	2.4711	2.8315	3.1635	5.6067	7.3462
LPG	1.2754	1.3872	1.3697	1.4704	2.5104	2.4093	2.7830	3.3255	3.4674	3.9443	5.2387
MOTOR GASOLINE	2.8420	2.8448	2.8396	2.9999	4.0638	4.5797	4.7706	5.1281	5.3462	7.0063	9.6952
RESIDUAL FUEL	.3415	.5026	.5660	.7187	1.8005	1.9355	1.9312	2.1111	2.1083	2.8046	4.0036
ELECTRICITY	4.9589	5.4953	5.4813	5.9102	6.6488	8.2464	8.8442	9.3984	10.8626	12.3331	13.5864
INDUSTRIAL SECTOR											
ALL FUELS	.9057	1.0594	1.0720	1.1494	1.7276	2.5596	2.8543	3.0103	3.4538	4.1508	5.1318
METALLURGICAL COAL	.4554	.4511	.5877	.6811	1.2627	1.6488	1.7181	1.8092	1.9469	1.8085	1.8681
OTHER COAL	.2747	.3874	.3445	.3476	.9395	1.0496	.9242	1.0619	1.2384	1.2430	1.2911
NATURAL GAS	.3769	.4307	.4840	.4852	.5967	.7276	1.1386	1.4478	1.5678	2.0356	2.5377
TOTAL PETROLEUM	.8644	.9399	.9394	1.0882	2.1223	2.3281	2.3820	2.6423	2.8230	3.7502	5.7456
ASPHALT	.6711	.7250	.7691	.8177	1.3906	1.7913	1.8119	1.9737	2.1935	2.5672	3.5594
DISTILLATE FUEL	.7256	.7760	.7760	.9250	1.9966	2.1150	2.2592	2.7434	2.8824	3.6499	6.5395
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
KEROSENE	.8096	.8657	.8657	1.0320	2.2276	2.2710	2.4711	2.8315	3.1635	5.6067	7.3462
LPG	1.2754	1.3872	1.3697	1.4704	2.5104	2.4093	2.7830	3.3255	3.4674	3.9443	5.2387
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.8420	2.8448	2.8396	2.9999	4.0638	4.5797	4.7706	5.1281	5.3462	7.0063	9.6952
RESIDUAL FUEL	.3340	.4915	.5535	.7028	1.7608	1.8928	1.9103	2.0487	2.0884	2.5193	3.6066
ROAD OIL	.7009	.0000	.0000	.9520	1.6516	1.8756	1.9155	.0000	.0000	.0000	4.2392
OTHER PETROLEUM PRODUCTS	.7282	.7576	.7551	.9355	2.0341	2.2361	2.3887	2.6898	2.8327	3.9074	6.2121
ELECTRICITY	2.0511	2.4619	2.4558	2.5981	3.2602	4.8918	5.3933	5.7043	7.3817	8.6550	9.8142
TRANSPORTATION SECTOR											
ALL FUELS	2.2936	2.3172	2.3320	2.4964	3.4855	4.0187	4.2174	4.5342	4.7299	6.1748	8.7395
OTHER COAL	.2747	.3874	.3445	.3476	.9395	1.0496	.9242	1.0619	.0000	.0000	.0000
NATURAL GAS	.1920	.2095	.2250	.2390	.2745	.3540	.4714	.7119	.8619	1.2241	1.6980
TOTAL PETROLEUM	2.4988	2.5124	2.4997	2.6804	3.7087	4.2132	4.3655	4.6685	4.8630	6.4130	9.0436
AVIATION GASOLINE	3.4553	3.5236	3.4986	3.7615	5.2408	5.6360	5.8299	6.4522	7.0471	9.4849	13.4786
DISTILLATE FUEL	1.2692	1.3066	1.3553	1.6861	2.6751	2.9937	3.0363	3.2682	3.4451	4.9742	7.1804
JET FUEL	.6793	.7141	.7119	.8437	1.4548	1.8978	2.0440	2.3760	2.6840	3.6300	5.9520
LPG	1.2754	1.3872	1.3697	1.4704	2.5104	2.4093	2.7830	3.3255	3.4674	3.9443	5.2387
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.8420	2.8448	2.8396	2.9999	4.0638	4.5797	4.7706	5.1281	5.3462	7.0063	9.6952
RESIDUAL FUEL	.4305	.5439	.0000	.6681	1.4264	1.4437	1.4567	1.6482	1.5201	2.1694	2.8749
ELECTRICITY	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
ELECTRIC UTILITIES											
ALL FUELS	.2309	.3227	.3606	.3428	1.0526	1.0214	.7779	1.1057	1.3740	1.1150	1.3600
OTHER COAL	.2300	.3250	.3600	.3410	1.0441	.9904	.7366	1.0282	1.2957	1.0823	1.3457
NATURAL GAS	.2473	.2667	.3209	.3083	.0000	.0000	1.3110	.0000	.0000	.0000	2.1203
TOTAL PETROLEUM	.0000	1.0892	.9597	1.2915	2.5519	2.1931	2.3338	2.6410	2.6478	4.5281	6.3899
DISTILLATE FUEL	.0000	1.0892	.9597	1.2915	2.5519	2.1931	2.3338	2.6410	2.6478	4.5281	6.3899
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
PETROLEUM COKE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
RESIDUAL FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
NUCLEAR POWER	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.4041
WOOD AND WASTE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE PRICES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: THE FOLLOWING FUEL SECTOR PRICES HAVE BEEN SUBSTITUTED (SEE THE DOCUMENTATION FOR THE DETAILS), COAL COMMERCIAL = COAL INDUSTRIAL, KEROSENE COMMERCIAL = KEROSENE INDUSTRIAL, LPG COMMERCIAL = LPG INDUSTRIAL, MOTOR GASOLINE COMMERCIAL = MOTOR GASOLINE TRANSPORTATION; JET FUEL INDUSTRIAL = JET FUEL TRANSPORTATION, MOTOR GASOLINE INDUSTRIAL = MOTOR GASOLINE TRANSPORTATION, OTHER PETROLEUM PRODUCTS INDUSTRIAL = DISTILLATE INDUSTRIAL UNITED STATES; COAL TRANSPORTATION = COAL INDUSTRIAL, LPG TRANSPORTATION = LPG INDUSTRIAL, LUBRICANTS TRANSPORTATION = LUBRICANTS INDUSTRIAL.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 133. Fuel Expenditures and Electricity Sales by Fuel Type, 1970-1980: Texas (Million Dollars)

ENERGY EXPENDITURES ALL SECTORS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
COAL											
METALLURGICAL COAL	14	11	14	17	30	44	29	32	33	51	39
OTHER COAL	*	1	1	25	48	48	52	41	49	31	34
(INCLUDING ELECTRICITY GENERATION)	*	1	6	34	61	77	216	285	484	885	1,214
TOTAL COAL	14	11	15	42	78	92	81	72	81	82	73
(INCLUDING ELECTRICITY GENERATION)	14	11	20	51	91	121	245	316	516	936	1,254
NATURAL GAS											
TOTAL NATURAL GAS	801	938	964	1,146	1,592	2,237	2,996	3,564	3,852	4,921	5,940
(INCLUDING ELECTRICITY GENERATION)	1,067	1,272	1,334	1,498	2,202	3,293	4,425	5,427	5,974	7,219	8,658
PETROLEUM PRODUCTS											
ASPHALT AND ROAD OIL	58	58	59	60	127	96	83	72	105	156	275
AVIATION GASOLINE	32	31	26	28	39	35	35	42	44	57	86
DISTILLATE FUEL OIL	175	205	264	368	682	724	863	1,200	1,358	2,303	2,789
(INCLUDING ELECTRICITY GENERATION)	175	206	271	405	737	746	881	1,227	1,391	2,318	2,839
JET FUEL	110	119	123	149	252	344	345	418	511	746	1,262
(INCLUDING ELECTRICITY GENERATION)	110	119	123	149	252	344	345	418	511	746	1,262
KEROSENE	32	26	33	47	93	92	86	120	154	483	606
LIQUEFIED PETROLEUM GASES	642	697	817	1,037	1,717	1,540	1,667	1,962	1,704	3,235	3,490
LUBRICANTS	154	154	167	183	249	245	272	318	348	456	474
MOTOR GASOLINE	1,976	2,135	2,258	2,481	3,506	4,021	4,427	4,914	5,175	6,716	8,753
RESIDUAL FUEL	22	30	35	81	228	318	431	531	627	1,098	1,158
(INCLUDING ELECTRICITY GENERATION)	23	32	38	111	282	356	453	566	671	1,130	1,179
ALL OTHER PETROLEUM PRODUCTS	469	498	537	728	1,571	1,657	2,338	3,145	3,717	5,614	9,063
(INCLUDING ELECTRICITY GENERATION)	469	498	537	728	1,571	1,657	2,338	3,145	3,717	5,614	9,063
TOTAL PETROLEUM	3,670	3,953	4,318	5,163	8,462	9,071	10,546	12,723	13,744	20,863	27,957
(INCLUDING ELECTRICITY GENERATION)	3,671	3,955	4,328	5,230	8,571	9,132	10,586	12,784	13,821	20,911	28,027
NUCLEAR POWER, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
WOOD AND WASTE, ELECTRICITY GENERATION	1	1	1	1	1	1	1	1	1	1	1
ELECTRICITY SALES	1,448	1,583	1,819	2,015	2,469	2,969	3,597	4,638	5,393	6,180	7,654
TOTAL (INCLUDING ELECTRICITY SALES, EXCLUDING ELECTRICITY GENERATION)	5,933	6,486	7,117	8,366	12,601	14,370	17,220	20,997	23,070	32,047	41,624
TOTAL (EXCLUDING ELECTRICITY SALES, INCLUDING ELECTRICITY GENERATION)	4,753	5,239	5,684	6,780	10,865	12,546	15,258	18,529	20,312	29,067	37,940

* LESS THAN .5.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: THERE ARE NO PURCHASED FUEL EXPENDITURES FOR ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: DATA FOR 1980 DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.

NOTE: THE "ALL OTHER PETROLEUM PRODUCTS" CATEGORY INCLUDES NATURAL GASOLINE, UNFRACTIONATED STREAM, PLANT CONDENSATE, PETRO CHEMICAL FEEDSTOCKS, SPECIAL NAPHTHAS, PETROLEUM COKE (NOT CONSUMED IN ELECTRIC UTILITIES), STILL GAS, WAX, AND MISCELLANEOUS PRODUCTS. THE "(INCLUDING ELECTRICITY GENERATION)" CATEGORY INCLUDES PETROLEUM COKE FUEL EXPENDITURES FOR ELECTRIC UTILITIES.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE; THEREFORE, THE SUM OF ALL STATES WILL NOT EQUAL TOTAL U.S.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 134. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Texas (Million Dollars)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
TOTAL ENERGY	1,012.54	1,108.67	1,238.52	1,393.97	1,559.98	1,722.61	2,024.08	2,610.32	3,012.72	3,552.49	4,029.77
OTHER COAL	*	.01	.01	.01	.01	.00	.00	.03	.00	.01	.04
NATURAL GAS (DRY)	213.43	235.27	244.03	249.18	259.68	351.75	465.46	640.72	741.79	1,000.87	759.26
TOTAL PETROLEUM	98.59	96.87	99.46	184.23	153.30	152.58	176.67	193.56	200.96	308.23	348.47
DISTILLATE FUEL	.71	.87	1.32	1.69	3.13	3.42	4.77	8.79	10.47	19.02	.30
KEROSENE	.24	.22	.26	.44	.62	.66	.47	.73	.86	2.98	9.39
LPG	97.63	95.78	97.88	182.11	149.56	148.49	171.43	184.03	189.62	286.23	338.78
ELECTRICITY	700.51	776.53	895.02	960.55	1,146.99	1,218.28	1,381.94	1,776.01	2,069.97	2,243.39	2,922.00
COMMERCIAL SECTOR											
TOTAL ENERGY	507.36	556.41	630.15	714.79	876.04	1,106.01	1,352.77	1,745.53	2,058.82	2,856.33	3,059.97
OTHER COAL	.01	.01	.01	.01	.02	.00	.00	.03	.00	*	.01
NATURAL GAS (DRY)	66.19	70.44	73.98	85.53	94.96	121.88	191.41	282.89	366.66	655.67	499.93
TOTAL PETROLEUM	39.21	38.10	43.81	59.85	109.95	114.17	138.77	173.24	192.37	488.68	488.59
DISTILLATE FUEL	4.20	5.08	7.69	9.88	18.48	20.48	28.42	53.00	62.68	113.82	103.40
KEROSENE	15.19	13.65	15.92	28.09	53.30	53.53	46.32	66.37	79.83	277.59	127.88
LPG	10.01	10.35	10.99	11.40	19.22	17.64	19.01	20.43	19.12	37.23	39.78
MOTOR GASOLINE	9.67	8.82	8.65	9.19	14.39	15.74	37.67	25.04	20.55	39.82	159.56
RESIDUAL FUEL	.15	.20	.56	1.29	4.56	6.77	7.36	8.39	10.19	20.22	57.98
ELECTRICITY	401.95	447.86	512.36	569.41	671.11	869.96	1,022.58	1,289.37	1,499.79	1,711.98	2,071.43
INDUSTRIAL SECTOR											
TOTAL ENERGY	2,085.52	2,295.78	2,548.67	3,194.52	5,623.93	6,306.52	8,087.13	10077.71	10,921.50	15,794.27	21,518.02
METALLURGICAL COAL	14.30	10.75	14.33	16.95	29.91	43.90	29.43	31.60	32.56	50.73	39.37
OTHER COAL	.14	.55	.48	24.86	47.53	48.43	51.72	40.61	48.65	31.20	34.00
NATURAL GAS (DRY)	504.52	614.42	626.68	789.60	1,211.40	1,733.70	2,302.62	2,595.41	2,689.55	3,173.46	4,518.24
TOTAL PETROLEUM	1,220.89	1,311.20	1,495.19	1,877.66	3,684.40	3,599.71	4,510.69	5,837.59	6,327.14	10,313.76	14,265.96
ASPHALT	55.07	57.24	58.15	60.09	126.62	92.98	80.06	70.68	101.94	152.86	261.60
DISTILLATE FUEL	33.94	38.77	55.01	74.56	161.04	175.25	245.64	410.14	478.04	828.69	720.19
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KEROSENE	16.28	12.02	16.77	18.44	38.65	37.87	39.36	52.89	73.13	202.05	468.31
LPG	525.42	581.81	697.48	832.40	1,528.58	1,356.70	1,458.93	1,738.14	1,483.18	2,888.17	3,086.50
LUBRICANTS	94.39	95.34	103.12	116.40	158.86	146.49	162.38	204.19	223.30	293.00	304.82
MOTOR GASOLINE	19.70	21.65	17.33	17.34	23.89	22.83	28.82	23.97	18.46	30.09	22.74
RESIDUAL FUEL	4.21	5.63	10.17	29.71	75.63	108.28	154.87	190.95	228.43	301.64	325.89
ROAD OIL	2.90	.81	.39	.23	.12	2.69	2.84	1.44	3.41	3.31	12.92
OTHER PETROLEUM PRODUCTS	468.97	497.93	536.78	728.49	1,571.03	1,656.64	2,337.79	3,145.19	3,717.24	5,613.95	9,063.01
ELECTRICITY	345.67	358.85	411.99	485.45	650.68	880.78	1,192.68	1,572.50	1,823.60	2,225.11	2,660.45
TRANSPORTATION SECTOR											
TOTAL ENERGY	2,327.51	2,525.18	2,699.68	3,062.71	4,540.85	5,234.41	5,756.28	6,563.46	7,077.40	9,844.02	13,016.33
OTHER COAL	.03	.01	.01	.03	.03	.01	.01	*	.00	.00	.00
NATURAL GAS (DRY)	16.62	18.20	19.73	21.19	26.19	30.04	36.56	44.82	54.01	91.21	162.23
TOTAL PETROLEUM	2,310.87	2,506.97	2,679.94	3,041.50	4,514.63	5,204.35	5,719.72	6,518.64	7,023.39	9,752.81	12,854.10
AVIATION GASOLINE	31.81	31.01	25.92	27.61	39.10	35.01	35.26	41.76	44.38	56.83	86.20
DISTILLATE FUEL	136.07	160.78	200.24	281.82	499.41	524.40	583.69	728.38	806.78	1,341.30	1,965.47
JET FUEL	110.15	118.72	122.60	149.40	251.67	344.42	344.50	417.99	510.98	745.84	1,261.95
LPG	9.07	9.54	10.82	11.54	19.50	17.15	.17.17	19.47	12.21	23.78	25.42
LUBRICANTS	59.35	58.62	63.41	66.12	90.24	98.57	109.26	113.65	124.28	163.08	169.65
MOTOR GASOLINE	1,946.73	2,104.61	2,232.40	2,454.52	3,467.29	3,982.12	4,360.64	4,865.36	5,136.18	6,645.66	8,570.85
RESIDUAL FUEL	17.70	23.69	24.55	50.49	147.41	202.69	269.20	332.03	388.58	776.33	774.57
ELECTRICITY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRIC UTILITIES											
TOTAL ENERGY	268.40	336.60	386.00	429.22	732.87	1,145.88	1,634.53	2,169.71	2,635.05	3,200.58	3,969.97
OTHER COAL	.00	.03	5.60	9.14	13.17	28.20	164.08	244.16	434.92	854.08	1,180.23
NATURAL GAS (DRY)	265.95	333.39	370.02	352.19	609.59	1,055.54	1,429.42	1,863.36	2,122.00	2,297.95	2,718.64
TOTAL PETROLEUM	1.64	2.35	9.47	66.92	109.11	61.12	39.87	60.97	76.84	47.23	69.62
DISTILLATE FUEL	.21	.19	7.04	37.54	55.21	22.93	18.21	26.78	32.94	15.63	49.21
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PETROLEUM COKE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RESIDUAL FUEL	1.43	2.16	2.43	29.38	53.90	38.19	21.65	34.18	43.89	31.60	20.41
NUCLEAR POWER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WOOD AND WASTE	.82	.83	.91	.96	1.00	1.02	1.17	1.22	1.30	1.33	1.48

* LESS THAN .005.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE TO THE INDUSTRIAL SECTOR BY STATE.

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE EXPENDITURES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL SINCE THERE ARE NO ASSOCIATED FUEL COSTS FOR THESE ENERGY SOURCES.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MEXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: COAL INCLUDES ANTHRACITE, BITUMINOUS, AND LIGNITE EXCEPT IN THE TRANSPORTATION SECTOR WHICH DOES NOT CONSUME ANTHRACITE.

NOTE: RESIDENTIAL, COMMERCIAL, INDUSTRIAL, AND TRANSPORTATION EXPENDITURES EXCLUDE ENERGY EXPENDITURES FOR WOOD AND WOOD WASTE.

NOTE: EXPENDITURES ON NET IMPORTS OF COAL COKE ARE NOT DISTRIBUTED BY STATE; THEREFORE, THE SUM OF THE TOTAL EXPENDITURES BY STATE WILL NOT EQUAL THE TOTAL U.S. EXPENDITURE.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, THE ENERGY, PRICE, AND EXPENDITURES DATA SYSTEM (EPEDS)

Table 135. Average Annual Fuel Prices by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Texas (Dollars per Million Btu)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
ALL FUELS	2.4715	2.6125	2.7753	3.1257	3.6740	4.0950	4.7516	5.4624	6.0100	6.4856	8.5319
OTHER COAL	.2958	.7734	.8259	.9900	1.1197	.0000	.0000	1.7188	.0000	1.6956	2.1651
NATURAL GAS	.8916	.9613	.9873	1.0117	1.1392	1.4844	1.9385	2.3291	2.6564	3.1127	3.2983
TOTAL PETROLEUM	1.6686	1.7037	1.6799	3.3994	3.1858	3.4538	3.8923	4.5047	4.2156	5.6778	7.4123
DISTILLATE FUEL	.9118	.9995	1.0121	1.1818	2.0967	2.2274	2.5392	2.7529	2.9461	4.5863	6.4723
KEROSENE	1.2962	1.3895	1.4077	1.6005	2.6944	3.0202	3.1436	3.7095	3.8953	5.5936	8.3598
LPG	1.6800	1.7156	1.6958	3.4690	3.2232	3.5005	3.9535	4.6500	4.3200	5.7700	7.3900
ELECTRICITY	6.2995	6.3254	6.3982	6.6034	7.7231	8.7318	9.8377	11.1148	11.8711	13.0492	14.9776
COMMERCIAL SECTOR											
ALL FUELS	1.8938	2.0691	2.2210	2.2795	3.0045	3.9104	4.4340	5.0179	5.5304	5.9279	7.6736
OTHER COAL	.4888	.4509	.4096	.4220	.7649	.0000	.0000	.6672	.0000	.3707	.5603
NATURAL GAS	.4394	.4797	.5104	.5407	.6899	1.0235	1.3868	1.7495	2.1361	2.7553	2.8972
TOTAL PETROLEUM	.9891	1.0577	1.0288	1.1282	2.2321	2.3430	2.8975	3.0104	3.0485	4.6605	6.3855
DISTILLATE FUEL	.8696	.9477	.9568	1.1227	2.0072	2.1594	2.4524	2.6896	2.8561	4.4461	6.2744
KEROSENE	.7434	.7950	.7950	.9476	2.1460	2.2521	2.8446	3.1041	3.3233	4.8129	6.9373
LPG	.9756	1.0507	1.0786	1.2303	2.3476	2.3570	2.4838	2.9245	2.4680	4.2525	4.9175
MOTOR GASOLINE	2.6605	2.7346	2.6998	2.7873	3.9755	4.3603	4.5140	4.7972	4.8774	6.5231	9.2063
RESIDUAL FUEL	.2986	.4831	.4958	.6310	1.3386	1.5468	1.8283	1.9734	1.9686	3.0089	3.5827
ELECTRICITY	5.1781	5.2060	5.3264	5.5640	6.4129	7.5630	8.5807	10.0281	10.9060	12.3149	13.8403
INDUSTRIAL SECTOR											
ALL FUELS	.4991	.5259	.5696	.6544	1.1980	1.5584	1.8711	2.1872	2.2423	3.1990	4.2766
METALLURGICAL COAL	.4554	.4511	.5877	.6811	1.2627	1.6488	1.7181	1.8092	1.9469	1.8085	1.8661
OTHER COAL	.4888	.4509	.4096	.4220	.7649	.7611	.7268	.6672	.6385	.3707	.5603
NATURAL GAS	.1914	.2193	.2310	.2712	.4418	.7869	1.0492	1.1797	1.2023	1.5796	2.0400
TOTAL PETROLEUM	.8893	.9407	.9477	1.0941	2.1795	2.2975	2.4602	2.7847	2.7577	4.0362	5.7801
ASPHALT	.7358	.7619	.7749	.7734	1.5637	1.7647	1.8457	1.9941	2.2163	2.5086	3.7697
DISTILLATE FUEL	.6518	.6970	.6970	.8308	1.8816	2.0155	2.4721	2.6627	2.8378	4.2353	6.1337
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
KEROSENE	.7434	.7950	.7950	.9476	2.1460	2.2521	2.8446	3.1041	3.3233	4.8129	6.9373
LPG	.9756	1.0507	1.0786	1.2303	2.3476	2.3570	2.4838	2.9245	2.4680	4.2525	4.9175
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.6605	2.7346	2.6998	2.7873	3.9755	4.3603	4.5140	4.7972	4.8774	6.5231	9.2063
RESIDUAL FUEL	.2920	.4724	.4848	.6170	1.3090	1.5126	1.8085	1.9151	1.9501	2.7029	3.2274
ROAD OIL	.7204	.7797	.8094	.8412	1.7272	1.9329	2.0127	2.1942	2.4103	2.7110	4.3353
OTHER PETROLEUM PRODUCTS	.7282	.7576	.7551	.9355	2.0341	2.2361	2.3887	2.6898	2.8327	3.9074	6.2121
ELECTRICITY	2.5155	2.4859	2.6098	2.8576	3.6947	4.7182	5.8004	6.7499	7.3991	8.5333	9.9725
TRANSPORTATION SECTOR											
ALL FUELS	1.9426	2.0371	2.0115	2.0905	3.0462	3.3844	3.5900	3.8407	3.8663	5.2264	7.2098
OTHER COAL	.4888	.4509	.4096	.4220	.7649	.7611	.7268	.6672	.0000	.0000	.0000
NATURAL GAS	.1675	.1781	.1840	.1986	.2726	.3587	.4985	.6611	.7071	1.1506	1.5113
TOTAL PETROLEUM	2.1029	2.2041	2.1702	2.2392	3.2373	3.5576	3.7381	3.9720	4.0038	5.4054	7.5701
AVIATION GASOLINE	3.4553	3.5236	3.4986	3.7615	5.2408	5.6360	5.8299	6.4522	7.0471	9.6513	13.9778
DISTILLATE FUEL	1.0411	1.1397	1.1414	1.3828	2.3111	2.4679	2.6483	2.9534	3.0422	4.7407	7.0202
JET FUEL	.8163	.8578	.8548	1.0141	1.7481	2.2793	2.4083	2.8044	3.2368	4.4827	7.1886
LPG	.9756	1.0507	1.0786	1.2303	2.3476	2.3570	2.4838	2.9245	2.4680	4.2525	4.9175
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.6605	2.7346	2.6998	2.7873	3.9755	4.3603	4.5140	4.7972	4.8774	6.5231	9.2063
RESIDUAL FUEL	.2418	.3912	.4015	.5109	1.0839	1.2514	1.5299	1.6075	1.5275	2.4909	2.6839
ELECTRICITY	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
ELECTRIC UTILITIES											
ALL FUELS	.2443	.2783	.2845	.3002	.4877	.7443	1.0246	1.2092	1.3606	1.6248	1.8316
OTHER COAL	.0000	.2140	.2160	.1380	.1810	.2380	1.0041	1.0503	1.2172	1.6942	1.7596
NATURAL GAS	.2430	.2769	.2804	.2717	.4468	.7602	1.0136	1.2163	1.3767	1.5870	1.8386
TOTAL PETROLEUM	.5443	.5710	.9065	1.0112	1.6867	1.9263	1.9283	2.1167	2.0740	2.8078	4.0233
DISTILLATE FUEL	.6666	.7069	.9684	1.1899	1.8440	2.0040	2.1594	2.3772	2.4097	4.7236	4.1209
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
PETROLEUM COKE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
RESIDUAL FUEL	.5298	.5613	.7650	.8485	1.5512	1.8825	1.7690	1.9494	1.8777	2.3387	3.8061
NUCLEAR POWER	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
WOOD AND WASTE	.8000	.8400	.8700	.9200	1.0000	1.1000	1.1500	1.2200	1.3100	1.5000	1.8100

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE PRICES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: THE FOLLOWING FUEL SECTOR PRICES HAVE BEEN SUBSTITUTED (SEE THE DOCUMENTATION FOR THE DETAILS), COAL COMMERCIAL = COAL INDUSTRIAL, KEROSENE COMMERCIAL = KEROSENE INDUSTRIAL, LPG COMMERCIAL = LPG INDUSTRIAL, MOTOR GASOLINE COMMERCIAL = MOTOR GASOLINE TRANSPORTATION; JET FUEL INDUSTRIAL = JET FUEL TRANSPORTATION, MOTOR GASOLINE INDUSTRIAL = MOTOR GASOLINE TRANSPORTATION, OTHER PETROLEUM PRODUCTS INDUSTRIAL = DISTILLATE INDUSTRIAL UNITED STATES; COAL TRANSPORTATION = COAL INDUSTRIAL, LPG TRANSPORTATION = LPG INDUSTRIAL, LUBRICANTS TRANSPORTATION = LUBRICANTS INDUSTRIAL.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 136. Fuel Expenditures and Electricity Sales by Fuel Type, 1970-1980: Utah (Million Dollars)

ENERGY EXPENDITURES ALL SECTORS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
COAL											
METALLURGICAL COAL	24	25	25	32	69	77	84	71	74	70	75
OTHER COAL	3	8	5	7	18	12	19	30	24	35	18
(INCLUDING ELECTRICITY GENERATION)	6	11	9	16	31	38	39	75	86	132	147
TOTAL COAL	27	32	30	39	87	89	103	102	97	106	93
(INCLUDING ELECTRICITY GENERATION)	30	35	34	48	100	115	122	146	159	202	222
NATURAL GAS											
TOTAL NATURAL GAS	69	76	79	85	93	127	183	148	191	239	255
(INCLUDING ELECTRICITY GENERATION)	70	77	81	86	95	129	186	154	201	250	265
PETROLEUM PRODUCTS											
ASPHALT AND ROAD OIL	6	8	10	8	18	14	18	21	22	31	36
AVIATION GASOLINE	2	2	2	2	3	3	3	4	5	6	9
DISTILLATE FUEL OIL	31	41	39	60	122	135	129	146	157	245	320
(INCLUDING ELECTRICITY GENERATION)	31	41	39	60	122	136	130	146	158	248	323
JET FUEL	7	8	8	9	16	21	21	28	32	42	78
(INCLUDING ELECTRICITY GENERATION)	7	8	8	9	16	21	21	28	32	42	78
KEROSENE	1	1	2	2	2	2	2	2	2	4	4
LIQUEFIED PETROLEUM GASES	7	6	10	15	12	16	16	14	13	20	24
LUBRICANTS	9	9	10	11	15	13	15	18	19	26	27
MOTOR GASOLINE	177	191	210	229	306	357	387	423	468	611	787
RESIDUAL FUEL	11	13	15	18	51	51	54	56	42	45	67
(INCLUDING ELECTRICITY GENERATION)	13	16	17	19	52	53	54	59	43	48	67
ALL OTHER PETROLEUM PRODUCTS	8	9	9	12	27	27	29	32	37	54	87
(INCLUDING ELECTRICITY GENERATION)	8	9	9	12	27	27	29	32	37	54	87
TOTAL PETROLEUM	260	288	316	367	572	641	674	743	799	1,084	1,437
(INCLUDING ELECTRICITY GENERATION)	263	291	318	369	573	643	675	747	801	1,090	1,440
NUCLEAR POWER, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
WOOD AND WASTE, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
ELECTRICITY SALES	93	104	116	133	148	190	218	261	328	402	475
TOTAL (INCLUDING ELECTRICITY SALES, EXCLUDING ELECTRICITY GENERATION)	450	500	541	624	900	1,046	1,178	1,254	1,416	1,831	2,259
TOTAL (EXCLUDING ELECTRICITY SALES, INCLUDING ELECTRICITY GENERATION)	363	403	433	503	768	887	983	1,047	1,161	1,542	1,927

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.
NOTE: THERE ARE NO PURCHASED FUEL EXPENDITURES FOR ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.
NOTE: DATA FOR 1980 DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.
NOTE: THE "ALL OTHER PETROLEUM PRODUCTS" CATEGORY INCLUDES NATURAL GASOLINE, UNFRACTIONATED STREAM, PLANT CONDENSATE, PETRO CHEMICAL FEEDSTOCKS, SPECIAL NAPHTHAS, PETROLEUM COKE (NOT CONSUMED IN ELECTRIC UTILITIES), STILL GAS, WAX, AND MISCELLANEOUS PRODUCTS. THE "(INCLUDING ELECTRICITY GENERATION)" CATEGORY INCLUDES PETROLEUM COKE FUEL EXPENDITURES FOR ELECTRIC UTILITIES.
NOTE: EXCLUDES NET IMPORTS OF COAL COKE; THEREFORE, THE SUM OF ALL STATES WILL NOT EQUAL TOTAL U.S.
SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 137. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Utah (Million Dollars)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
TOTAL ENERGY	87.66	100.75	107.64	122.77	138.12	171.14	207.41	183.72	243.05	326.12	353.75
OTHER COAL	.26	1.58	1.25	1.35	3.27	1.58	2.86	4.24	3.54	8.06	4.65
NATURAL GAS (DRY)	41.97	48.14	48.19	51.83	57.94	78.12	98.44	62.43	97.93	142.50	148.99
TOTAL PETROLEUM	6.92	6.79	10.46	15.65	13.45	16.32	14.85	14.78	15.19	19.64	20.25
DISTILLATE FUEL	.91	1.56	1.65	2.52	4.64	5.79	5.68	6.19	6.35	6.00	4.44
KEROSENE	.09	.15	.18	.19	.12	.11	.09	.10	.09	.35	.00
LPG	5.91	5.07	8.63	12.94	8.69	10.41	9.08	8.49	8.76	13.28	15.81
ELECTRICITY	38.51	44.25	47.74	53.95	63.46	75.13	91.27	102.26	126.38	155.93	179.86
COMMERCIAL SECTOR											
TOTAL ENERGY	50.27	57.02	61.46	72.31	92.76	108.71	137.64	146.32	158.04	172.28	215.12
OTHER COAL	.35	1.45	.61	.83	3.98	1.49	2.92	4.37	3.63	8.08	3.67
NATURAL GAS (DRY)	6.66	5.98	6.16	7.72	5.81	9.87	24.09	17.93	14.94	.01	1.74
TOTAL PETROLEUM	9.45	12.17	12.50	16.10	31.79	37.76	38.78	41.60	36.83	40.03	67.20
DISTILLATE FUEL	2.80	4.67	4.91	7.81	15.34	18.51	18.54	20.29	21.03	20.64	38.28
KEROSENE	.18	.26	.29	.36	.39	.37	.37	.34	.32	1.35	1.22
LPG	.62	.69	.70	.65	.91	.96	1.13	1.04	1.07	1.53	1.77
MOTOR GASOLINE	2.91	2.83	2.90	2.92	2.76	4.99	4.91	5.08	4.59	5.88	4.08
RESIDUAL FUEL	2.95	3.73	3.70	4.37	12.38	12.94	13.83	14.85	9.82	10.63	21.85
ELECTRICITY	33.82	37.42	42.19	47.66	51.18	59.59	71.85	82.42	102.64	124.16	142.51
INDUSTRIAL SECTOR											
TOTAL ENERGY	104.72	115.49	127.83	151.96	272.70	317.11	357.88	396.68	423.46	514.59	609.27
METALLURGICAL COAL	24.18	24.50	25.28	32.13	68.76	76.96	83.74	71.41	73.56	70.38	74.94
OTHER COAL	2.44	4.94	3.27	5.11	10.90	8.49	13.55	21.67	16.75	19.35	9.90
NATURAL GAS (DRY)	20.57	21.84	24.58	24.99	29.28	38.83	60.30	66.61	76.34	95.79	101.51
TOTAL PETROLEUM	36.38	42.27	48.90	58.78	130.63	138.02	145.02	160.32	157.44	207.45	270.61
ASPHALT	5.38	6.37	8.55	7.17	17.07	13.92	17.06	19.42	20.42	29.88	33.36
DISTILLATE FUEL	5.82	8.36	8.60	14.35	34.71	41.59	41.59	48.25	49.09	64.42	76.74
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KEROSENE	.76	.90	1.19	1.53	1.89	1.52	1.23	1.36	1.43	2.14	2.43
LPG	.62	.71	1.09	1.29	2.50	4.82	5.57	4.87	3.55	5.05	5.87
LUBRICANTS	3.46	3.06	3.31	3.88	5.30	4.16	4.61	6.30	6.89	9.03	9.40
MOTOR GASOLINE	3.76	3.70	3.86	3.88	3.57	6.32	6.28	6.64	5.95	7.74	8.37
RESIDUAL FUEL	7.50	9.36	11.50	13.50	37.62	37.84	39.16	40.04	31.39	34.51	44.68
ROAD OIL	.61	1.17	1.33	.88	.64	.57	.81	1.70	1.25	1.02	2.43
OTHER PETROLEUM PRODUCTS	8.48	8.64	9.47	12.31	27.33	27.29	28.70	31.74	37.48	53.66	87.33
ELECTRICITY	21.15	21.93	25.82	30.95	33.13	54.80	55.28	76.68	99.38	121.62	152.31
TRANSPORTATION SECTOR											
TOTAL ENERGY	207.59	226.67	244.03	276.84	396.36	449.44	475.56	527.40	591.04	817.79	1,081.12
OTHER COAL	.02	.03	.01	.01	.02	.01	*	*	.00	.00	.00
NATURAL GAS (DRY)	.12	.13	.26	.19	.22	.17	.29	.66	1.79	1.14	2.36
TOTAL PETROLEUM	207.46	226.51	243.76	276.64	396.12	449.26	475.26	526.73	589.25	816.65	1,078.76
AVIATION GASOLINE	2.17	2.03	2.10	2.26	3.41	3.30	3.47	4.17	4.96	6.48	8.53
DISTILLATE FUEL	21.85	26.51	24.19	35.22	67.02	69.31	63.56	71.06	80.29	153.48	200.66
JET FUEL	6.91	7.87	8.01	9.25	15.64	20.98	21.21	27.74	32.45	42.46	77.98
LPG	.01	.01	.02	.02	.03	.04	.06	.05	.05	.08	.09
LUBRICANTS	5.90	5.86	6.33	7.22	9.86	8.97	9.94	11.52	12.60	16.54	17.20
MOTOR GASOLINE	170.54	184.10	202.97	222.52	299.50	346.01	375.99	411.48	457.83	597.62	774.29
RESIDUAL FUEL	.07	.13	.13	.15	.65	.64	1.03	.70	1.06	.00	.00
ELECTRICITY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRIC UTILITIES											
TOTAL ENERGY	6.45	6.78	7.54	11.29	16.30	30.28	22.60	54.22	74.21	112.80	142.82
OTHER COAL	2.49	2.88	4.03	8.39	13.19	26.75	19.19	44.28	61.89	96.11	129.13
NATURAL GAS (DRY)	1.12	.80	1.35	1.53	1.67	1.91	2.69	5.99	10.30	10.29	10.62
TOTAL PETROLEUM	2.83	3.10	2.17	1.37	1.44	1.62	.72	3.96	2.02	6.41	3.07
DISTILLATE FUEL	.02	.02	.02	.04	.14	.42	.44	.65	1.24	3.25	2.80
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PETROLEUM COKE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RESIDUAL FUEL	2.82	3.08	2.15	1.33	1.29	1.20	.29	3.31	.77	3.16	.28
NUCLEAR POWER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WOOD AND WASTE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

* LESS THAN .005.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE TO THE INDUSTRIAL SECTOR BY STATE.

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE EXPENDITURES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL SINCE THERE ARE NO ASSOCIATED FUEL COSTS FOR THESE ENERGY SOURCES.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MEXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: COAL INCLUDES ANTHRACITE, BITUMINOUS, AND LIGNITE EXCEPT IN THE TRANSPORTATION SECTOR WHICH DOES NOT CONSUME ANTHRACITE.

NOTE: RESIDENTIAL, COMMERCIAL, INDUSTRIAL, AND TRANSPORTATION EXPENDITURES EXCLUDE ENERGY EXPENDITURES FOR WOOD AND WOOD WASTE.

NOTE: EXPENDITURES ON NET IMPORTS OF COAL COKE ARE NOT DISTRIBUTED BY STATE; THEREFORE, THE SUM OF THE TOTAL EXPENDITURES BY STATE WILL NOT EQUAL THE TOTAL U.S. EXPENDITURE.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, THE ENERGY, PRICE, AND EXPENDITURES DATA SYSTEM (EPEDS)

Table 138. Average Annual Fuel Prices by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Utah (Dollars per Million Btu)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
ALL FUELS	1.5571	1.5686	1.7049	1.9289	2.0397	2.2890	2.5042	3.5488	3.7629	4.0457	4.7629
OTHER COAL	.2579	.6923	.8259	.7220	1.0086	1.3300	1.5200	1.7100	1.4375	1.6956	2.1651
NATURAL GAS	.9120	.9367	.9605	1.0445	1.1239	1.2821	1.4545	1.7231	2.0173	2.3151	2.5242
TOTAL PETROLEUM	1.9823	1.6369	2.3001	3.5481	3.1269	3.9376	3.5798	4.0665	4.1217	5.8516	8.2060
DISTILLATE FUEL	1.0952	1.2059	1.2377	1.4690	2.5432	2.8549	2.9444	3.2275	3.2926	4.4804	6.8712
KEROSENE	2.6190	2.9975	3.1746	3.5728	4.5986	5.1555	4.7673	5.5110	5.8652	7.7563	.0000
LPG	2.2560	1.8117	2.7340	4.8979	3.5461	4.9748	4.1259	5.0000	5.0227	6.7400	8.6800
ELECTRICITY	6.6855	6.9003	6.9154	6.9614	7.3642	8.8327	10.0096	10.8555	12.7726	14.2409	16.9173
COMMERCIAL SECTOR											
ALL FUELS	1.7587	1.7869	2.0349	2.1355	2.6715	3.3080	3.1308	3.7288	4.1637	5.7887	7.5586
OTHER COAL	.1815	.3417	.2162	.2390	.6619	.6757	.8353	.9474	.7938	.9158	.9199
NATURAL GAS	.6343	.6826	.7558	.8413	.9768	1.5985	1.6103	1.8215	1.7446	2.4310	5.1509
TOTAL PETROLEUM	.9640	1.0092	1.0670	1.2348	2.2319	2.3425	2.3640	2.6822	2.5048	3.8364	4.9713
DISTILLATE FUEL	.9213	.9899	1.0112	1.2510	2.3102	2.5056	2.6431	2.9055	2.9987	4.2337	6.4235
KEROSENE	.6802	.6992	.7081	.9432	2.0812	2.3500	2.6027	2.7351	2.8120	4.0985	6.3143
LPG	1.3506	1.3929	1.2537	1.3946	2.1089	2.5862	2.9126	3.4784	3.4880	4.3860	5.5152
MOTOR GASOLINE	2.7462	2.8003	2.8412	2.9873	4.0321	4.5159	4.6826	4.8800	5.1015	7.0609	9.6414
RESIDUAL FUEL	.5908	.6815	.7602	.8775	1.9664	1.8217	1.7704	2.1029	1.5415	2.6262	3.2999
ELECTRICITY	5.3032	5.4619	5.6046	5.8291	6.0108	7.1236	7.8922	8.8832	10.1469	11.8307	13.4276
INDUSTRIAL SECTOR											
ALL FUELS	.5630	.6273	.6705	.7575	1.3507	1.6039	1.7168	1.9788	2.1373	2.6200	3.5867
METALLURGICAL COAL	.4465	.4808	.5315	.6254	1.3327	1.4273	1.5596	1.6300	1.7565	1.7935	2.0338
OTHER COAL	.1815	.3417	.2162	.2390	.6619	.6757	.8353	.9474	.7938	.9158	.9199
NATURAL GAS	.3161	.3523	.3818	.4076	.4745	.6918	.9560	1.1817	1.3979	1.5997	1.9385
TOTAL PETROLEUM	.7627	.8274	.8523	.9969	2.0172	2.1245	2.1749	2.4229	2.3365	3.3370	4.9452
ASPHALT	.5639	.8166	.8207	.8422	1.6909	1.7849	1.6179	1.7394	1.9202	2.4466	3.6221
DISTILLATE FUEL	.6396	.6575	.6658	.8869	1.9571	2.1803	2.4378	2.5734	2.5923	3.6427	5.9616
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
KEROSENE	.6802	.6992	.7081	.9432	2.0812	2.3500	2.6027	2.7351	2.8120	4.0985	6.3143
LPG	1.3506	1.3929	1.2537	1.3946	2.1089	2.5862	2.9126	3.4784	3.4880	4.3860	5.5152
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.7462	2.8003	2.8412	2.9873	4.0321	4.5159	4.6826	4.8800	5.1015	7.0609	9.6414
RESIDUAL FUEL	.5777	.6664	.7434	.8581	1.9230	1.7814	1.7512	2.0407	1.5270	2.3591	2.9726
ROAD OIL	.6615	.7894	.8538	.9775	1.9476	1.9260	1.7125	1.8257	1.9431	2.4371	4.1150
OTHER PETROLEUM PRODUCTS	.7282	.7576	.7551	.9355	2.0341	2.2361	2.3887	2.6898	2.8327	3.9074	6.2121
ELECTRICITY	3.7614	3.9131	4.1066	4.0877	4.4974	5.4117	6.2855	6.8131	7.5498	8.6936	10.0359
TRANSPORTATION SECTOR											
ALL FUELS	2.3102	2.3435	2.4063	2.5716	3.5962	4.0170	4.1657	4.4295	4.6162	6.3743	8.7779
OTHER COAL	.1815	.3417	.2162	.2390	.6619	.6757	.8353	.9474	.0000	.0000	.0000
NATURAL GAS	.2299	.2357	.2969	.3082	.3561	.5649	.7067	1.4746	1.8039	1.9631	2.7094
TOTAL PETROLEUM	2.3246	2.3575	2.4261	2.5859	3.6150	4.0268	4.1784	4.4407	4.6381	6.3944	8.8211
AVIATION GASOLINE	3.4553	3.5236	3.4986	3.7615	5.2408	5.6360	5.8299	6.4522	7.0471	8.9025	13.0626
DISTILLATE FUEL	1.3077	1.3830	1.3753	1.6643	2.7959	2.9453	2.8180	3.1789	3.3199	4.9360	6.9579
JET FUEL	.7978	.8385	.8356	.9911	1.7089	2.2289	2.4481	2.8428	3.0613	4.2809	6.9007
LPG	1.3506	1.3929	1.2537	1.3946	2.1089	2.5862	2.9126	3.4784	3.4880	4.3860	5.5152
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.7462	2.8003	2.8412	2.9873	4.0321	4.5159	4.6826	4.8800	5.1015	7.0609	9.6414
RESIDUAL FUEL	.4691	.6310	.6970	.8289	1.8520	1.4622	1.8806	2.0218	1.9753	.0000	.0000
ELECTRICITY	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
ELECTRIC UTILITIES											
ALL FUELS	.2516	.2751	.2925	.3672	.4549	.5826	.6926	.8230	.9041	1.0717	1.2111
OTHER COAL	.2310	.2810	.2910	.3533	.4272	.5583	.6530	.7574	.8444	.9910	1.1520
NATURAL GAS	.3091	.3249	.3464	.3147	.4077	.6118	.9365	1.0890	1.3153	1.6088	2.0004
TOTAL PETROLEUM	.2528	.2598	.2690	.6399	1.6783	1.7290	1.9287	2.0573	2.1161	3.4046	5.8671
DISTILLATE FUEL	.3387	.3482	.3605	.4586	2.2375	2.3092	2.4091	2.5967	2.5141	4.7277	6.2328
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
PETROLEUM COKE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
RESIDUAL FUEL	.2524	.2594	.2684	.6476	1.6331	1.5901	1.4836	1.9765	1.6867	2.6432	3.6933
NUCLEAR POWER	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
WOOD AND WASTE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE PRICES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: THE FOLLOWING FUEL SECTOR PRICES HAVE BEEN SUBSTITUTED (SEE THE DOCUMENTATION FOR THE DETAILS), COAL COMMERCIAL = COAL INDUSTRIAL, KEROSENE COMMERCIAL = KEROSENE INDUSTRIAL, LPG COMMERCIAL = LPG INDUSTRIAL, MOTOR GASOLINE COMMERCIAL = MOTOR GASOLINE TRANSPORTATION; JET FUEL INDUSTRIAL = JET FUEL TRANSPORTATION, MOTOR GASOLINE INDUSTRIAL = MOTOR GASOLINE TRANSPORTATION, OTHER PETROLEUM PRODUCTS INDUSTRIAL = DISTILLATE INDUSTRIAL UNITED STATES; COAL TRANSPORTATION = COAL INDUSTRIAL, LPG TRANSPORTATION = LPG INDUSTRIAL, LUBRICANTS TRANSPORTATION = LUBRICANTS INDUSTRIAL.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 139. Fuel Expenditures and Electricity Sales by Fuel Type, 1970-1980: Vermont (Million Dollars)

ENERGY EXPENDITURES ALL SECTORS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
COAL											
METALLURGICAL COAL	0	0	0	0	0	0	0	0	0	0	0
OTHER COAL	*	*	*	*	*	*	*	*	*	*	*
(INCLUDING ELECTRICITY GENERATION)	1	1	1	1	2	1	*	*	*	1	1
TOTAL COAL	*	*	*	*	*	*	*	*	*	*	*
(INCLUDING ELECTRICITY GENERATION)	1	1	1	1	2	1	*	*	*	1	1
NATURAL GAS											
TOTAL NATURAL GAS	3	4	4	5	5	6	8	10	12	14	23
(INCLUDING ELECTRICITY GENERATION)	3	4	5	5	6	7	9	10	12	15	24
PETROLEUM PRODUCTS											
ASPHALT AND ROAD OIL	1	2	1	1	1	*	*	*	*	1	1
AVIATION GASOLINE	*	*	*	*	*	*	*	*	*	*	2
DISTILLATE FUEL OIL	42	42	46	55	74	73	93	102	107	152	165
(INCLUDING ELECTRICITY GENERATION)	44	44	46	56	75	73	93	103	107	153	166
JET FUEL	1	*	1	1	1	2	2	2	2	4	5
(INCLUDING ELECTRICITY GENERATION)	1	*	2	2	2	3	2	2	2	4	6
KEROSENE	4	4	4	4	6	5	7	7	7	11	13
LIQUEFIED PETROLEUM GASES	5	5	6	7	13	13	15	17	20	29	34
LUBRICANTS	2	2	2	2	3	3	4	4	4	6	6
MOTOR GASOLINE	82	90	96	101	132	140	152	160	170	221	287
RESIDUAL FUEL	3	4	4	5	7	10	16	17	15	6	14
(INCLUDING ELECTRICITY GENERATION)	3	4	4	5	7	10	16	17	15	6	14
ALL OTHER PETROLEUM PRODUCTS	*	*	*	*	1	1	1	1	1	2	2
(INCLUDING ELECTRICITY GENERATION)	*	*	*	*	1	1	1	1	1	2	2
TOTAL PETROLEUM	141	149	159	177	237	248	289	311	328	433	527
(INCLUDING ELECTRICITY GENERATION)	143	151	161	179	239	249	290	312	328	435	529
NUCLEAR POWER, ELECTRICITY GENERATION	0	0	*	3	5	12	13	13	13	15	19
WOOD AND WASTE, ELECTRICITY GENERATION	0	0	0	0	0	0	0	*	*	1	1
ELECTRICITY SALES	54	61	74	82	99	105	130	124	142	157	184
TOTAL (INCLUDING ELECTRICITY SALES, EXCLUDING ELECTRICITY GENERATION)	198	214	238	264	342	359	428	445	482	604	735
TOTAL (EXCLUDING ELECTRICITY SALES, INCLUDING ELECTRICITY GENERATION)	147	156	166	188	251	269	311	335	354	466	574

* LESS THAN .5.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: THERE ARE NO PURCHASED FUEL EXPENDITURES FOR ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: DATA FOR 1980 DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.

NOTE: THE "ALL OTHER PETROLEUM PRODUCTS" CATEGORY INCLUDES NATURAL GASOLINE, UNFRACTIONATED STREAM, PLANT CONDENSATE, PETRO CHEMICAL FEEDSTOCKS, SPECIAL NAPHTHAS, PETROLEUM COKE (NOT CONSUMED IN ELECTRIC UTILITIES), STILL GAS, WAX, AND MISCELLANEOUS PRODUCTS. THE "(INCLUDING ELECTRICITY GENERATION)" CATEGORY INCLUDES PETROLEUM COKE FUEL EXPENDITURES FOR ELECTRIC UTILITIES.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE; THEREFORE, THE SUM OF ALL STATES WILL NOT EQUAL TOTAL U.S.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 140. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Vermont (Million Dollars)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
TOTAL ENERGY	69.71	74.01	83.97	94.75	120.64	123.01	148.49	152.94	167.31	207.13	227.95
OTHER COAL	.09	.12	.05	.11	.06	.06	.03	.06	.06	.03	.09
NATURAL GAS (DRY)	1.88	2.07	2.35	2.37	2.66	2.68	3.51	4.26	4.21	4.51	7.98
TOTAL PETROLEUM	40.07	39.98	43.03	50.39	67.49	64.49	80.92	84.46	90.70	120.95	126.35
DISTILLATE FUEL	32.23	32.09	34.76	40.37	51.67	50.54	64.02	65.30	71.79	90.34	92.90
KEROSENE	4.03	4.12	3.84	3.75	5.05	4.21	5.49	6.04	5.99	9.81	10.65
LPG	3.80	3.77	4.42	6.26	10.78	9.74	11.41	13.12	12.92	20.80	22.81
ELECTRICITY	27.68	31.84	38.54	41.88	50.43	55.78	64.03	64.16	72.33	81.63	93.53
COMMERCIAL SECTOR											
TOTAL ENERGY	21.96	24.44	28.57	32.50	40.62	44.56	54.67	57.16	61.48	66.80	89.87
OTHER COAL	.03	.03	.02	.03	.06	.06	.03	.03	.03	.03	.08
NATURAL GAS (DRY)	.81	.95	1.07	1.00	1.15	1.69	2.33	2.40	3.06	3.65	7.37
TOTAL PETROLEUM	7.25	7.71	8.45	9.90	13.90	15.72	21.40	22.08	22.68	23.50	36.54
DISTILLATE FUEL	5.12	5.11	5.52	6.67	9.16	8.99	11.45	11.78	12.79	16.81	23.64
KEROSENE	.14	.15	.14	.15	.25	.22	.29	.31	.30	.54	1.76
LPG	.32	.33	.41	.40	.70	1.03	1.33	1.28	1.50	1.72	2.28
MOTOR GASOLINE	.40	.41	.42	.47	.61	.74	.77	.81	.87	1.23	1.72
RESIDUAL FUEL	1.27	1.71	1.97	2.22	3.18	4.75	7.55	7.91	7.22	3.20	7.14
ELECTRICITY	13.86	15.76	19.03	21.57	25.51	27.09	30.91	32.65	35.71	39.63	45.88
INDUSTRIAL SECTOR											
TOTAL ENERGY	20.29	22.63	25.85	29.51	38.76	41.56	60.26	54.06	64.38	75.19	92.37
METALLURGICAL COAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER COAL	.07	.06	.05	.07	.22	.20	.11	.15	.12	.13	.26
NATURAL GAS (DRY)	.50	.83	1.03	1.49	1.28	1.93	2.59	2.88	4.69	5.57	7.83
TOTAL PETROLEUM	7.55	8.22	7.89	9.04	13.99	17.04	22.86	23.40	25.95	33.71	39.56
ASPHALT	1.23	1.42	.45	.37	1.02	.35	.36	.46	.26	1.31	1.03
DISTILLATE FUEL	2.27	2.29	2.31	3.00	5.23	4.93	7.04	6.90	7.35	16.91	18.79
JET FUEL	.00	.00	.00	.00	.00	.32	.14	.11	.00	.00	.00
KEROSENE	.20	.21	.43	.45	.85	1.02	1.09	.75	.86	1.15	.36
LPG	.62	.65	.72	.69	1.05	1.89	2.59	3.01	5.82	6.68	8.83
LUBRICANTS	.63	.42	.45	.41	.56	.59	.66	.91	.99	1.30	1.35
MOTOR GASOLINE	1.10	.95	.99	1.23	1.17	1.90	1.74	1.58	1.31	1.46	.98
RESIDUAL FUEL	1.39	1.88	2.17	2.45	3.53	5.24	8.38	8.59	8.00	3.22	6.38
ROAD OIL	.00	.26	.26	.26	.01	*	*	.00	.00	.00	.00
OTHER PETROLEUM PRODUCTS	.11	.14	.12	.17	.57	.79	.86	1.10	1.35	1.69	1.83
ELECTRICITY	12.17	13.52	16.88	18.91	23.27	22.39	34.69	27.63	33.62	35.78	44.72
TRANSPORTATION SECTOR											
TOTAL ENERGY	86.37	93.26	99.77	107.36	141.93	150.28	164.20	180.72	188.93	255.03	325.11
OTHER COAL	*	*	*	*	*	*	*	*	.00	.00	.00
NATURAL GAS (DRY)	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.12
TOTAL PETROLEUM	86.37	93.26	99.77	107.36	141.92	150.28	164.20	180.72	188.93	255.03	324.99
AVIATION GASOLINE	.25	.22	.22	.23	.26	.31	.27	.28	.26	.25	1.51
DISTILLATE FUEL	2.85	2.58	3.09	5.37	7.82	8.24	10.25	18.28	15.08	27.73	29.63
JET FUEL	.51	.49	.54	.65	1.14	1.52	1.49	1.86	2.30	3.82	5.18
LPG	.01	.01	*	*	*	.01	.01	.01	.07	.08	.11
LUBRICANTS	1.78	1.64	1.77	1.78	2.43	2.58	2.86	3.09	3.38	4.44	4.62
MOTOR GASOLINE	80.97	88.31	94.14	99.32	130.23	137.61	149.32	157.20	167.84	218.71	283.94
RESIDUAL FUEL	*	.01	.01	.01	.03	.02	.01	.00	.00	.00	.00
ELECTRICITY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRIC UTILITIES											
TOTAL ENERGY	2.27	2.95	2.57	5.87	8.48	14.41	13.32	14.65	13.40	19.13	22.54
OTHER COAL	.67	.72	.50	.67	1.44	.71	.00	.00	.00	.58	.50
NATURAL GAS (DRY)	.00	.01	.21	.27	.71	.67	.12	.91	.09	1.45	1.11
TOTAL PETROLEUM	1.61	2.22	1.73	2.07	1.69	1.03	.56	.92	.06	1.32	1.30
DISTILLATE FUEL	1.55	2.16	.41	1.08	.62	.34	.19	.70	.06	1.17	.60
JET FUEL	.00	.00	1.25	.98	1.06	.69	.37	.22	.00	.15	.70
PETROLEUM COKE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RESIDUAL FUEL	.05	.07	.07	.02	.01	.00	.00	.00	.00	.00	.00
NUCLEAR POWER	.00	.00	.14	2.86	4.64	12.00	12.65	12.81	13.09	15.28	18.71
WOOD AND WASTE	.00	.00	.00	.00	.00	.00	.00	.01	.15	.50	.92

* LESS THAN .005.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE TO THE INDUSTRIAL SECTOR BY STATE.

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE EXPENDITURES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL SINCE THERE ARE NO ASSOCIATED FUEL COSTS FOR THESE ENERGY SOURCES.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MEXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: COAL INCLUDES ANTHRACITE, BITUMINOUS, AND LIGNITE EXCEPT IN THE TRANSPORTATION SECTOR WHICH DOES NOT CONSUME ANTHRACITE.

NOTE: RESIDENTIAL, COMMERCIAL, INDUSTRIAL, AND TRANSPORTATION EXPENDITURES EXCLUDE ENERGY EXPENDITURES FOR WOOD AND WOOD WASTE.

NOTE: EXPENDITURES ON NET IMPORTS OF COAL COKE ARE NOT DISTRIBUTED BY STATE; THEREFORE, THE SUM OF THE TOTAL EXPENDITURES BY STATE WILL NOT EQUAL THE TOTAL U.S. EXPENDITURE.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, THE ENERGY, PRICE, AND EXPENDITURES DATA SYSTEM (EPEDS)

Table 141. Average Annual Fuel Prices by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Vermont (Dollars per Million Btu)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
ALL FUELS	2.1943	2.3795	2.5173	2.8431	4.1510	4.5426	4.7548	5.2700	5.6262	6.9233	9.5962
OTHER COAL	.4812	.8615	.5731	1.0539	.7853	1.0716	1.0564	1.7860	2.1950	1.4194	1.5209
NATURAL GAS	1.7383	1.7982	1.8996	1.9290	2.1052	2.3523	2.8175	3.6409	3.5230	3.9600	6.2935
TOTAL PETROLEUM	1.5200	1.5884	1.5979	1.8786	2.9834	3.0685	3.2516	3.7018	3.8932	5.2676	7.7281
DISTILLATE FUEL	1.4300	1.5113	1.5186	1.7429	2.7008	2.8679	3.0573	3.4325	3.6907	4.8927	7.3799
KEROSENE	1.6279	1.6639	1.6912	1.9440	3.0149	3.1614	3.3514	3.7550	4.0146	5.3412	8.1643
LPG	2.8321	2.5803	2.5071	3.6240	5.9302	4.7222	4.9419	6.0100	5.4900	7.8196	9.2800
ELECTRICITY	6.6695	6.8614	7.5496	8.1022	9.8774	11.4547	12.6373	12.8255	13.8647	14.0897	15.3910
COMMERCIAL SECTOR											
ALL FUELS	2.0992	2.3303	2.5407	2.9277	4.4252	4.5322	4.5235	5.0382	5.3482	6.9868	8.7310
OTHER COAL	.2832	.2849	.3829	.4457	1.2951	1.6680	1.5832	1.2573	1.8991	1.6197	2.0570
NATURAL GAS	1.4430	1.5017	1.6654	1.7324	1.9146	2.1533	3.0357	3.1052	3.3944	3.6036	6.2131
TOTAL PETROLEUM	.9376	1.0308	1.0527	1.2581	2.3029	2.3768	2.4446	2.7929	2.8940	4.2468	6.1529
DISTILLATE FUEL	1.1114	1.1768	1.1791	1.4080	2.3425	2.4944	2.6744	3.0285	3.2166	4.4536	6.5780
KEROSENE	.9117	.9681	.9658	1.2225	2.4046	2.6461	2.8918	3.1274	3.2451	4.7196	7.0708
LPG	1.3329	1.2929	1.3092	1.2958	2.1791	2.8350	3.2699	3.3126	3.6162	3.6670	5.2511
MOTOR GASOLINE	3.0921	3.2023	3.2043	3.3370	4.4671	4.6851	4.8067	4.9601	5.1306	7.2297	10.0357
RESIDUAL FUEL	.4870	.6587	.7115	.8643	2.0331	1.9713	1.9859	2.3471	2.2672	3.1851	4.7910
ELECTRICITY	6.7628	6.9038	7.5502	8.3405	10.2147	11.3053	12.1461	12.3507	13.0330	13.2138	14.6657
INDUSTRIAL SECTOR											
ALL FUELS	1.5915	1.7154	2.0146	2.2293	3.4188	3.5812	3.9893	3.9870	4.4713	5.3500	7.1856
METALLURGICAL COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
OTHER COAL	.2832	.2849	.3829	.4457	1.2951	1.6680	1.5832	1.2573	1.8991	1.6197	2.0570
NATURAL GAS	.4537	.6248	.7351	.8045	.7507	1.2361	1.5575	1.7163	2.7511	3.2076	4.9322
TOTAL PETROLEUM	.8667	.9430	.9797	1.1580	2.2444	2.4365	2.5135	2.7940	2.9380	4.0849	5.7460
ASPHALT	.6838	.8401	.8487	.8287	1.5507	1.9078	2.0145	2.0699	2.2470	2.6211	3.6555
DISTILLATE FUEL	.8423	.8944	.8922	1.1294	2.2215	2.3846	2.6781	2.9030	3.0043	4.4192	6.4643
JET FUEL	.0000	.0000	.0000	.0000	.0000	2.1852	2.3879	2.7469	.0000	.0000	.0000
KEROSENE	.9117	.9681	.9658	1.2225	2.4046	2.6461	2.8918	3.1274	3.2451	4.7196	7.0708
LPG	1.3329	1.2929	1.3092	1.2958	2.1791	2.8350	3.2699	3.3126	3.6162	3.6670	5.2511
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	3.0921	3.2023	3.2043	3.3370	4.4671	4.6851	4.8067	4.9601	5.1306	7.2297	10.0357
RESIDUAL FUEL	.4762	.6442	.6958	.8452	1.9882	1.9278	1.9644	2.2777	2.2459	2.8611	4.3159
ROAD OIL	.0000	.9362	.8966	.9428	1.7467	2.0043	2.0860	.0000	.0000	.0000	.0000
OTHER PETROLEUM PRODUCTS	.7282	.7576	.7551	.9355	2.0341	2.2361	2.3887	2.6898	2.8327	3.9074	6.2121
ELECTRICITY	4.5309	4.6283	5.1859	5.5276	7.1989	7.6430	8.1146	8.1495	8.8462	8.9776	10.5107
TRANSPORTATION SECTOR											
ALL FUELS	2.9542	3.0800	3.0713	3.1761	4.2896	4.5160	4.6401	4.7771	4.9894	6.9323	9.5734
OTHER COAL	.2832	.2849	.3829	.4457	1.2951	1.6680	1.5832	1.2573	.0000	.0000	.0000
NATURAL GAS	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	1.9708
TOTAL PETROLEUM	2.9542	3.0800	3.0713	3.1761	4.2896	4.5160	4.6401	4.7771	4.9894	6.9323	9.5871
AVIATION GASOLINE	3.4553	3.5236	3.4986	3.7615	5.2408	5.6360	5.8299	6.4522	7.0471	9.4849	13.2290
DISTILLATE FUEL	1.4129	1.4752	1.4887	1.7898	2.7023	2.8756	3.0714	3.5841	3.7564	5.3187	6.7466
JET FUEL	.7822	.8222	.8193	.9719	1.6756	2.1852	2.3879	2.7469	3.0925	4.1449	6.7825
LPG	1.3329	1.2929	1.3092	1.2958	2.1791	2.8350	3.2699	3.3126	3.6162	3.6670	5.2511
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	3.0921	3.2023	3.2043	3.3370	4.4671	4.6851	4.8067	4.9601	5.1306	7.2297	10.0357
RESIDUAL FUEL	.3554	.5090	.5266	.6505	1.5954	1.6463	1.6578	.0000	.0000	.0000	.0000
ELECTRICITY	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
ELECTRIC UTILITIES											
ALL FUELS	.7490	.8918	.5754	.2882	.2765	.3553	.3669	.3768	.3759	.5013	.6853
OTHER COAL	.4880	.6110	.6190	.7263	1.5036	2.0490	.0000	.0000	.0000	1.7722	2.1260
NATURAL GAS	.0000	.3070	.3404	.4420	.5489	1.1725	1.7605	2.0079	2.2210	2.6256	4.4979
TOTAL PETROLEUM	.9624	1.0559	1.4140	1.4646	2.3624	2.4074	2.4414	2.8921	2.7686	5.3979	6.4558
DISTILLATE FUEL	1.0183	1.0831	1.1137	1.2668	2.2788	2.1603	2.2723	2.8064	2.7686	5.2736	6.0577
JET FUEL	.0000	.0000	1.6726	1.8104	2.4205	2.5502	2.5350	3.2074	.0000	6.6109	6.8421
PETROLEUM COKE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
RESIDUAL FUEL	.3720	.5766	.6341	.7461	1.9694	.0000	.0000	.0000	.0000	.0000	.0000
NUCLEAR POWER	.0000	.0000	.0751	.1642	.1675	.3060	.3512	.3361	.3692	.4163	.5902
WOOD AND WASTE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	1.2200	1.3100	1.5000	1.8100

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE PRICES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: THE FOLLOWING FUEL SECTOR PRICES HAVE BEEN SUBSTITUTED (SEE THE DOCUMENTATION FOR THE DETAILS), COAL COMMERCIAL = COAL INDUSTRIAL, KEROSENE COMMERCIAL = KEROSENE INDUSTRIAL, LPG COMMERCIAL = LPG INDUSTRIAL, MOTOR GASOLINE COMMERCIAL = MOTOR GASOLINE TRANSPORTATION; JET FUEL INDUSTRIAL = JET FUEL TRANSPORTATION, MOTOR GASOLINE INDUSTRIAL = MOTOR GASOLINE TRANSPORTATION, OTHER PETROLEUM PRODUCTS INDUSTRIAL = DISTILLATE INDUSTRIAL UNITED STATES; COAL TRANSPORTATION = COAL INDUSTRIAL, LPG TRANSPORTATION = LPG INDUSTRIAL, LUBRICANTS TRANSPORTATION = LUBRICANTS INDUSTRIAL.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 142. Fuel Expenditures and Electricity Sales by Fuel Type, 1970-1980: Virginia (Million Dollars)

ENERGY EXPENDITURES ALL SECTORS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
COAL											
METALLURGICAL COAL	0	0	0	0	0	0	*	34	23	32	32
OTHER COAL	42	51	36	38	105	101	82	71	86	107	110
(INCLUDING ELECTRICITY GENERATION)	105	114	89	104	268	218	233	250	260	314	348
TOTAL COAL	42	51	36	38	105	101	83	105	109	139	142
(INCLUDING ELECTRICITY GENERATION)	105	114	89	104	268	218	233	284	283	346	380
NATURAL GAS											
TOTAL NATURAL GAS	127	139	160	165	185	207	249	292	364	395	566
(INCLUDING ELECTRICITY GENERATION)	129	141	162	167	188	207	249	294	366	403	572
PETROLEUM PRODUCTS											
ASPHALT AND ROAD OIL	10	14	14	17	29	28	33	39	51	56	63
AVIATION GASOLINE	8	7	7	7	9	8	7	9	9	10	16
DISTILLATE FUEL OIL	158	170	171	212	328	329	384	482	486	864	961
(INCLUDING ELECTRICITY GENERATION)	160	172	176	218	350	364	407	520	527	902	991
JET FUEL	48	53	53	66	106	140	157	195	210	289	485
(INCLUDING ELECTRICITY GENERATION)	48	53	53	66	106	140	157	195	210	289	485
KEROSENE	39	41	38	31	38	38	45	43	39	79	75
LIQUEFIED PETROLEUM GASES	20	20	24	31	37	46	50	58	52	75	89
LUBRICANTS	26	26	28	32	44	42	46	57	62	81	85
MOTOR GASOLINE	728	776	848	968	1,342	1,485	1,643	1,803	1,885	2,295	3,063
RESIDUAL FUEL	24	48	57	73	167	153	161	178	144	179	228
(INCLUDING ELECTRICITY GENERATION)	57	101	126	164	435	451	442	540	455	603	589
ALL OTHER PETROLEUM PRODUCTS	6	7	8	10	22	25	26	33	34	53	66
(INCLUDING ELECTRICITY GENERATION)	10	11	14	12	22	25	26	33	34	53	66
TOTAL PETROLEUM	1,067	1,162	1,247	1,449	2,121	2,294	2,553	2,896	2,973	3,981	5,130
(INCLUDING ELECTRICITY GENERATION)	1,106	1,222	1,327	1,547	2,411	2,625	2,857	3,296	3,325	4,443	5,522
NUCLEAR POWER, ELECTRICITY GENERATION	0	0	1	19	17	36	28	44	73	36	93
WOOD AND WASTE, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
ELECTRICITY SALES	494	543	612	720	976	1,282	1,393	1,702	1,804	2,096	2,558
TOTAL (INCLUDING ELECTRICITY SALES, EXCLUDING ELECTRICITY GENERATION)	1,730	1,895	2,056	2,372	3,387	3,884	4,277	4,996	5,250	6,611	8,397
TOTAL (EXCLUDING ELECTRICITY SALES, INCLUDING ELECTRICITY GENERATION)	1,340	1,477	1,579	1,838	2,884	3,087	3,367	3,919	4,047	5,228	6,567

* LESS THAN .5.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: THERE ARE NO PURCHASED FUEL EXPENDITURES FOR ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: DATA FOR 1980 DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.

NOTE: THE "ALL OTHER PETROLEUM PRODUCTS" CATEGORY INCLUDES NATURAL GASOLINE, UNFRACTIONATED STREAM, PLANT CONDENSATE, PETROCHEMICAL FEEDSTOCKS, SPECIAL NAPHTHAS, PETROLEUM COKE (NOT CONSUMED IN ELECTRIC UTILITIES), STILL GAS, WAX, AND MISCELLANEOUS PRODUCTS. THE "(INCLUDING ELECTRICITY GENERATION)" CATEGORY INCLUDES PETROLEUM COKE FUEL EXPENDITURES FOR ELECTRIC UTILITIES.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE; THEREFORE, THE SUM OF ALL STATES WILL NOT EQUAL TOTAL U.S.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 143. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Virginia (Million Dollars)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
TOTAL ENERGY	440.52	467.33	510.56	582.51	749.30	914.36	1,021.43	1,211.65	1,274.40	1,615.08	1,835.51
OTHER COAL	1.86	4.79	5.31	7.08	16.63	7.96	12.71	12.96	7.29	5.82	6.29
NATURAL GAS (DRY)	73.98	75.47	88.66	86.25	90.23	109.62	133.11	147.65	176.50	187.09	235.74
TOTAL PETROLEUM	124.43	129.50	127.84	143.66	186.76	198.82	227.24	262.60	244.68	469.23	416.04
DISTILLATE FUEL	74.58	78.06	78.52	92.40	131.33	138.23	157.29	192.76	183.62	360.16	306.42
KEROSENE	37.11	38.75	35.23	29.86	35.11	34.89	41.32	38.96	34.94	68.50	63.49
LPG	12.74	12.69	14.09	21.39	20.32	25.69	28.63	30.88	26.12	40.57	46.13
ELECTRICITY	240.26	257.57	288.76	345.53	455.68	597.97	648.37	788.45	845.93	952.95	1,177.45
COMMERCIAL SECTOR											
TOTAL ENERGY	224.87	254.64	282.20	330.73	439.12	549.32	606.46	748.91	812.25	945.93	1,145.34
OTHER COAL	2.82	3.70	2.63	3.23	13.82	7.18	8.61	8.98	5.25	4.64	4.33
NATURAL GAS (DRY)	29.00	34.61	37.72	42.25	46.11	55.60	66.13	83.84	113.25	106.02	146.03
TOTAL PETROLEUM	18.05	19.25	20.75	25.00	37.69	40.67	45.62	55.61	51.91	94.20	100.63
DISTILLATE FUEL	12.95	13.51	13.55	15.83	24.48	26.32	29.98	37.22	34.90	71.14	61.98
KEROSENE	.34	.36	.32	.26	.52	.55	.64	.63	.56	1.18	1.73
LPG	1.42	1.50	1.67	1.67	2.54	3.11	3.41	4.00	3.46	4.63	5.73
MOTOR GASOLINE	3.14	3.28	4.35	5.95	6.93	7.76	8.42	9.72	9.88	13.42	19.23
RESIDUAL FUEL	.21	.60	.85	1.30	3.22	2.93	3.18	4.05	3.12	3.83	11.96
ELECTRICITY	175.01	197.08	221.10	260.25	341.50	445.87	486.10	600.47	641.84	741.07	894.34
INDUSTRIAL SECTOR											
TOTAL ENERGY	204.40	238.30	252.86	292.14	532.73	594.02	620.22	770.92	778.34	1,015.84	1,261.42
METALLURGICAL COAL	.00	.00	.00	.00	.00	.00	.40	33.99	22.95	31.52	31.91
OTHER COAL	37.15	42.06	28.43	27.39	74.84	86.22	60.83	49.37	73.76	96.86	99.65
NATURAL GAS (DRY)	22.72	27.56	31.69	35.05	47.64	40.20	47.82	58.20	70.62	96.13	166.95
TOTAL PETROLEUM	65.81	80.56	90.54	115.92	231.39	229.30	253.13	315.87	295.08	390.25	477.57
ASPHALT	10.22	13.56	14.23	17.46	28.55	28.10	33.23	39.19	50.96	55.90	62.58
DISTILLATE FUEL	15.32	13.65	12.49	15.13	32.92	38.91	43.46	59.16	54.12	87.58	123.45
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KEROSENE	1.46	1.70	2.04	1.20	2.72	2.24	3.46	3.39	3.49	9.69	10.05
LPG	5.53	6.05	7.63	8.25	13.50	17.17	17.83	23.22	22.20	29.72	36.75
LUBRICANTS	10.57	10.04	10.86	14.70	20.06	17.39	19.28	25.13	27.48	36.06	37.51
MOTOR GASOLINE	9.76	8.41	7.66	8.58	11.60	11.51	10.50	10.78	9.28	12.05	14.42
RESIDUAL FUEL	7.12	20.19	27.62	40.54	99.54	89.01	99.11	122.34	93.95	106.49	126.50
ROAD OIL	.00	.00	.00	.00	.45	.01	.02	.00	.00	.00	.00
OTHER PETROLEUM PRODUCTS	5.84	6.95	8.01	10.07	22.04	24.96	26.25	32.65	33.59	52.76	66.30
ELECTRICITY	78.71	88.13	102.20	113.77	178.86	238.30	258.04	313.49	315.94	401.08	485.34
TRANSPORTATION SECTOR											
TOTAL ENERGY	860.30	934.63	1,009.89	1,166.54	1,666.07	1,826.07	2,028.87	2,264.61	2,385.42	3,034.18	4,154.34
OTHER COAL	.06	.06	.03	.02	.04	.01	.01	*	.00	.00	.00
NATURAL GAS (DRY)	1.56	1.59	2.22	1.61	1.31	1.16	1.45	2.20	3.98	5.66	17.37
TOTAL PETROLEUM	858.68	932.98	1,007.64	1,164.91	1,664.72	1,824.90	2,027.42	2,262.40	2,381.05	3,027.73	4,136.18
AVIATION GASOLINE	7.94	7.20	6.83	6.99	9.32	7.74	7.20	8.58	9.45	10.05	16.06
DISTILLATE FUEL	55.47	65.18	66.28	88.71	138.79	126.03	153.46	192.67	213.63	345.45	468.67
JET FUEL	47.55	53.23	52.57	66.39	105.61	139.77	157.21	194.94	210.49	288.99	485.00
LPG	.12	.14	.16	.18	.27	.26	.29	.38	.28	.37	.46
LUBRICANTS	15.74	15.80	17.09	17.37	23.71	24.23	26.86	31.53	34.48	45.25	47.07
MOTOR GASOLINE	714.90	764.27	836.15	953.67	1,323.22	1,465.39	1,623.69	1,782.68	1,865.38	2,269.22	3,029.55
RESIDUAL FUEL	16.96	27.16	28.56	31.60	63.78	61.49	58.71	51.63	47.34	68.41	89.36
ELECTRICITY	.00	.00	.00	.00	.00	.00	.00	.00	.39	.79	.79
ELECTRIC UTILITIES											
TOTAL ENERGY	103.68	125.32	135.81	185.26	473.24	485.32	482.74	624.96	601.02	713.17	727.93
OTHER COAL	63.05	63.76	52.44	66.72	162.70	116.96	150.55	179.15	173.72	206.99	237.49
NATURAL GAS (DRY)	1.28	1.56	1.88	1.66	2.63	.49	.56	2.26	1.87	8.15	5.80
TOTAL PETROLEUM	39.35	60.00	80.29	97.82	290.65	331.63	303.53	399.84	352.13	461.76	391.76
DISTILLATE FUEL	1.72	2.01	5.07	5.79	22.14	34.34	22.92	37.79	41.09	37.18	30.25
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PETROLEUM COKE	4.43	4.45	5.92	1.67	.00	.00	.00	.00	.00	.00	.00
RESIDUAL FUEL	33.19	53.54	69.30	90.36	268.51	297.29	280.61	362.05	311.03	424.58	361.51
NUCLEAR POWER	.00	.00	1.20	19.06	17.26	36.24	28.10	43.71	73.31	36.27	92.87
WOOD AND WASTE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

* LESS THAN .005.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE TO THE INDUSTRIAL SECTOR BY STATE.

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE EXPENDITURES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL SINCE THERE ARE NO ASSOCIATED FUEL COSTS FOR THESE ENERGY SOURCES.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MEXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: COAL INCLUDES ANTHRACITE, BITUMINOUS, AND LIGNITE EXCEPT IN THE TRANSPORTATION SECTOR WHICH DOES NOT CONSUME ANTHRACITE.

NOTE: RESIDENTIAL, COMMERCIAL, INDUSTRIAL, AND TRANSPORTATION EXPENDITURES EXCLUDE ENERGY EXPENDITURES FOR WOOD AND WOOD WASTE.

NOTE: EXPENDITURES ON NET IMPORTS OF COAL COKE ARE NOT DISTRIBUTED BY STATE; THEREFORE, THE SUM OF THE TOTAL EXPENDITURES BY STATE WILL NOT EQUAL THE TOTAL U.S. EXPENDITURE.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, THE ENERGY, PRICE, AND EXPENDITURES DATA SYSTEM (EPEDS)

Table 144. Average Annual Fuel Prices by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Virginia (Dollars per Million Btu)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
ALL FUELS	2.4103	2.5563	2.6890	3.1091	4.2690	5.1963	5.3967	6.3477	6.8183	7.6336	10.1009
OTHER COAL	.4158	1.1538	1.4038	1.5473	2.6416	2.7297	3.1967	3.4200	3.7443	3.3717	3.5086
NATURAL GAS	1.4480	1.4791	1.5575	1.6381	1.8297	2.2022	2.4886	2.9599	3.2023	3.6036	4.1990
TOTAL PETROLEUM	1.4168	1.4968	1.5095	1.7961	2.6841	2.8764	3.1014	3.4960	3.6991	4.9880	7.3685
DISTILLATE FUEL	1.3162	1.4106	1.4192	1.6031	2.5465	2.6756	2.9066	3.3095	3.5555	4.8128	7.1609
KEROSENE	1.4406	1.5052	1.5091	1.7855	2.7575	2.9929	3.1841	3.6190	3.8699	5.2479	7.9814
LPG	2.3597	2.3351	2.3424	3.8071	3.8525	4.4314	4.6335	5.0586	4.7729	6.5586	8.0700
ELECTRICITY	6.0989	6.2632	6.4915	6.8905	9.0534	11.0425	11.0763	12.6978	13.2801	14.9219	17.4897
COMMERCIAL SECTOR											
ALL FUELS	2.4750	2.5932	2.7933	2.9634	3.9942	5.4384	5.5301	6.6947	6.9127	8.3478	9.9257
OTHER COAL	.3438	.4862	.3768	.3839	1.1910	1.3340	1.1712	1.2824	1.4874	1.4788	1.3285
NATURAL GAS	.9348	.9682	1.0748	1.1008	1.2763	1.6847	1.8601	2.3722	2.5883	3.0680	3.7074
TOTAL PETROLEUM	1.1741	1.2258	1.2588	1.4316	2.4090	2.6297	2.8005	3.1975	3.3487	4.5896	6.5010
DISTILLATE FUEL	1.0735	1.1470	1.1504	1.2897	2.2292	2.3933	2.6018	3.0017	3.1743	4.4652	6.5441
KEROSENE	.6516	.6924	.6907	.7636	2.0417	2.3667	2.4835	2.9105	3.0974	4.5088	6.6404
LPG	1.4859	1.5635	1.5768	1.6832	2.7332	3.0398	3.1276	3.7111	3.5807	4.2422	5.6771
MOTOR GASOLINE	2.8458	2.8585	2.9309	3.1545	4.4081	4.7666	5.0094	5.3292	5.3854	6.9460	9.8778
RESIDUAL FUEL	.2782	.4603	.5029	.6558	1.6883	1.8493	1.8251	2.1569	2.0424	2.9299	4.2847
ELECTRICITY	4.8248	5.0358	5.2070	5.4964	7.3342	9.4554	9.6309	11.5200	11.7299	13.4511	15.6180
INDUSTRIAL SECTOR											
ALL FUELS	.7693	.8890	.9182	1.0280	2.0017	2.4893	2.6315	3.1045	3.1645	3.6475	4.4906
METALLURGICAL COAL	.0000	.0000	.0000	.0000	.0000	.0000	1.9092	1.9125	1.7869	1.8342	1.9138
OTHER COAL	.3438	.4862	.3768	.3839	1.1910	1.3340	1.1712	1.2824	1.4874	1.4788	1.3285
NATURAL GAS	.4917	.5511	.5793	.6411	.9068	1.0771	1.4247	1.8849	2.0966	2.2730	2.9837
TOTAL PETROLEUM	.7657	.7670	.7741	.9059	1.9269	2.1948	2.2195	2.5427	2.6280	3.4328	5.1052
ASPHALT	.6845	.7332	.7816	.8433	1.4416	1.8198	1.8543	2.0172	2.2165	2.5931	3.6025
DISTILLATE FUEL	.5962	.6335	.6319	.6985	1.8678	2.1888	2.2901	2.6644	2.8189	3.5900	5.9580
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
KEROSENE	.6516	.6924	.6907	.7636	2.0417	2.3667	2.4835	2.9105	3.0974	4.5088	6.6404
LPG	1.4859	1.5635	1.5768	1.6832	2.7332	3.0398	3.1276	3.7111	3.5807	4.2422	5.6771
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.8458	2.8585	2.9309	3.1545	4.4081	4.7666	5.0094	5.3292	5.3854	6.9460	9.8778
RESIDUAL FUEL	.2720	.4501	.4918	.6414	1.6510	1.8085	1.8053	2.0932	2.0232	2.6319	3.8598
ROAD OIL	.0000	.0000	.0000	.0000	1.6516	1.8756	1.9155	.0000	.0000	.0000	.0000
OTHER PETROLEUM PRODUCTS	.7282	.7576	.7551	.9355	2.0341	2.2361	2.3887	2.6898	2.8327	3.9074	6.2121
ELECTRICITY	3.0894	3.3261	3.6159	3.7673	5.8292	7.4006	7.1829	8.4846	8.4103	10.0659	12.2203
TRANSPORTATION SECTOR											
ALL FUELS	1.9377	2.0067	2.0943	2.3519	3.5310	3.9269	4.1475	4.5358	4.6492	6.0606	8.6362
OTHER COAL	.3438	.4862	.3768	.3839	1.1910	1.3340	1.1712	1.2824	.0000	.0000	.0000
NATURAL GAS	.1944	.2157	.2611	.2712	.3031	.3690	.5249	.7946	1.4598	1.3755	2.0533
TOTAL PETROLEUM	1.9704	2.0359	2.1275	2.3774	3.5611	3.9510	4.1680	4.5567	4.6657	6.0984	8.7534
AVIATION GASOLINE	3.4553	3.5236	3.4986	3.7615	5.2408	5.6360	5.8299	6.4522	7.0471	8.9857	12.9794
DISTILLATE FUEL	1.2380	1.3076	1.3124	1.5708	2.5562	2.6987	2.8754	3.2997	3.4766	4.9265	7.2050
JET FUEL	.7993	.8400	.8370	.9933	1.7119	2.2326	2.3722	2.8019	3.1058	4.3364	7.0906
LPG	1.4859	1.5635	1.5768	1.6832	2.7332	3.0398	3.1276	3.7111	3.5807	4.2422	5.6771
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.8458	2.8585	2.9309	3.1545	4.4081	4.7666	5.0094	5.3292	5.3854	6.9460	9.8778
RESIDUAL FUEL	.2252	.3727	.4073	.5311	1.3671	1.4961	1.5272	1.7571	1.5849	2.4254	3.2098
ELECTRICITY	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	14.6151	15.0200	13.4232
ELECTRIC UTILITIES											
ALL FUELS	.3636	.4290	.4573	.4958	1.3494	1.3108	1.2323	1.5294	1.3882	1.9843	2.0197
OTHER COAL	.3830	.4460	.4340	.5513	1.5427	1.2247	1.0827	1.4653	1.6446	1.6201	1.7078
NATURAL GAS	.2895	.3606	.4065	.3894	.5489	.9654	1.1320	1.6145	1.8183	2.2169	2.4539
TOTAL PETROLEUM	.3389	.4144	.4818	.5633	1.6704	1.8902	1.8209	2.1866	2.0467	3.0203	4.0393
DISTILLATE FUEL	.4098	.5208	.6048	.8679	2.0520	2.1773	2.3833	2.7527	2.7526	4.1362	5.8554
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
PETROLEUM COKE	.8600	.9000	.9400	.9900	.0000	.0000	.0000	.0000	.0000	.0000	.0000
RESIDUAL FUEL	.3109	.3937	.4560	.5467	1.6452	1.8618	1.7865	2.1406	1.9796	2.9506	3.9371
NUCLEAR POWER	.0000	.0000	.2475	.2550	.2598	.3668	.3286	.4281	.4753	.4831	.7613
WOOD AND WASTE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE PRICES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: THE FOLLOWING FUEL SECTOR PRICES HAVE BEEN SUBSTITUTED (SEE THE DOCUMENTATION FOR THE DETAILS), COAL COMMERCIAL = COAL INDUSTRIAL, KEROSENE COMMERCIAL = KEROSENE INDUSTRIAL, LPG COMMERCIAL = LPG INDUSTRIAL, MOTOR GASOLINE COMMERCIAL = MOTOR GASOLINE TRANSPORTATION; JET FUEL INDUSTRIAL = JET FUEL TRANSPORTATION, MOTOR GASOLINE INDUSTRIAL = MOTOR GASOLINE TRANSPORTATION, OTHER PETROLEUM PRODUCTS INDUSTRIAL = DISTILLATE INDUSTRIAL UNITED STATES; COAL TRANSPORTATION = COAL INDUSTRIAL, LPG TRANSPORTATION = LPG INDUSTRIAL, LUBRICANTS TRANSPORTATION = LUBRICANTS INDUSTRIAL.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 145. Fuel Expenditures and Electricity Sales by Fuel Type, 1970-1980: Washington (Million Dollars)

ENERGY EXPENDITURES ALL SECTORS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
COAL											
METALLURGICAL COAL	0	0	0	0	0	0	0	0	0	0	0
OTHER COAL	3	4	2	4	9	15	23	26	23	25	26
(INCLUDING ELECTRICITY GENERATION)	3	4	2	28	27	51	73	89	76	95	103
TOTAL COAL	3	4	2	4	9	15	23	26	23	25	26
(INCLUDING ELECTRICITY GENERATION)	3	4	2	28	27	51	73	89	76	95	103
NATURAL GAS											
TOTAL NATURAL GAS	101	113	130	159	193	258	293	338	340	491	579
(INCLUDING ELECTRICITY GENERATION)	101	113	130	159	193	258	293	338	340	497	582
PETROLEUM PRODUCTS											
ASPHALT AND ROAD OIL	10	12	15	17	30	34	37	36	40	48	50
AVIATION GASOLINE	9	7	8	8	11	10	9	11	13	15	26
DISTILLATE FUEL OIL	121	131	135	166	221	245	300	357	386	569	707
(INCLUDING ELECTRICITY GENERATION)	121	131	135	168	221	246	301	357	387	571	708
JET FUEL	45	52	47	62	112	166	175	183	191	283	449
(INCLUDING ELECTRICITY GENERATION)	45	52	47	62	112	166	175	183	191	284	449
KEROSENE	2	3	2	2	6	6	8	13	15	8	6
LIQUEFIED PETROLEUM GASES	13	17	13	15	14	12	11	17	21	30	32
LUBRICANTS	24	19	20	22	30	35	39	42	46	60	62
MOTOR GASOLINE	553	567	575	657	897	994	1,094	1,232	1,345	1,710	2,205
RESIDUAL FUEL	26	31	43	48	97	93	78	105	133	171	340
(INCLUDING ELECTRICITY GENERATION)	26	31	43	48	97	93	78	105	133	178	345
ALL OTHER PETROLEUM PRODUCTS	49	54	65	78	156	173	185	234	241	289	437
(INCLUDING ELECTRICITY GENERATION)	49	54	65	78	156	173	185	234	241	289	437
TOTAL PETROLEUM	852	893	922	1,075	1,574	1,768	1,935	2,228	2,431	3,183	4,315
(INCLUDING ELECTRICITY GENERATION)	852	893	923	1,078	1,574	1,768	1,936	2,228	2,431	3,193	4,322
NUCLEAR POWER, ELECTRICITY GENERATION	5	5	5	9	5	11	7	13	12	14	9
WOOD AND WASTE, ELECTRICITY GENERATION	*	0	0	0	0	0	0	0	0	0	0
ELECTRICITY SALES	322	340	415	437	472	530	572	603	672	776	967
TOTAL (INCLUDING ELECTRICITY SALES, EXCLUDING ELECTRICITY GENERATION)	1,278	1,349	1,470	1,676	2,248	2,571	2,823	3,195	3,466	4,475	5,888
TOTAL (EXCLUDING ELECTRICITY SALES, INCLUDING ELECTRICITY GENERATION)	961	1,014	1,060	1,273	1,799	2,089	2,309	2,668	2,860	3,799	5,016

* LESS THAN .5.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: THERE ARE NO PURCHASED FUEL EXPENDITURES FOR ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: DATA FOR 1980 DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.

NOTE: THE "ALL OTHER PETROLEUM PRODUCTS" CATEGORY INCLUDES NATURAL GASOLINE, UNFRACTIONATED STREAM, PLANT CONDENSATE, PETRO CHEMICAL FEEDSTOCKS, SPECIAL NAPHTHAS, PETROLEUM COKE (NOT CONSUMED IN ELECTRIC UTILITIES), STILL GAS, WAX, AND MISCELLANEOUS PRODUCTS. THE "(INCLUDING ELECTRICITY GENERATION)" CATEGORY INCLUDES PETROLEUM COKE FUEL EXPENDITURES FOR ELECTRIC UTILITIES.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE; THEREFORE, THE SUM OF ALL STATES WILL NOT EQUAL TOTAL U.S.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 146. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Washington (Million Dollars)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
TOTAL ENERGY	273.23	299.10	330.66	348.21	385.75	423.55	464.13	525.39	558.58	673.70	788.02
OTHER COAL	.11	.41	.25	.20	.18	.20	.38	2.97	4.07	2.95	4.33
NATURAL GAS (DRY)	43.61	47.37	55.17	54.93	61.49	76.46	85.34	93.01	92.65	126.04	153.78
TOTAL PETROLEUM	66.17	73.67	65.53	72.73	87.12	89.19	100.87	123.51	127.36	152.43	163.11
DISTILLATE FUEL	54.41	57.12	54.15	58.25	72.19	76.43	88.27	104.92	106.31	131.08	143.17
KEROSENE	1.61	2.19	1.57	1.34	4.50	4.16	6.22	8.17	9.09	4.95	3.60
LPG	10.15	14.36	9.81	13.14	10.43	8.61	6.39	10.42	11.96	16.40	16.34
ELECTRICITY	163.34	177.64	209.71	220.35	236.96	257.70	277.54	305.90	334.49	392.28	466.80
COMMERCIAL SECTOR											
TOTAL ENERGY	116.08	127.14	159.82	186.78	208.09	238.10	261.65	300.49	306.49	388.67	490.88
OTHER COAL	.28	.43	.29	.27	.28	.43	.52	3.10	3.31	2.91	5.09
NATURAL GAS (DRY)	19.89	22.64	26.29	39.10	43.25	56.96	69.10	78.07	69.98	112.35	144.71
TOTAL PETROLEUM	22.72	24.13	23.60	25.97	36.94	37.30	40.83	47.72	50.02	58.57	81.14
DISTILLATE FUEL	15.70	16.42	15.58	17.04	21.86	22.99	26.62	31.61	31.81	40.16	43.39
KEROSENE	.07	.09	.06	.07	.31	.33	.51	.75	.87	.43	.70
LPG	1.03	1.09	.85	.77	1.03	.71	.79	1.11	1.12	1.68	1.93
MOTOR GASOLINE	4.67	4.88	4.83	5.46	8.34	9.08	10.12	10.31	11.93	13.69	24.69
RESIDUAL FUEL	1.26	1.65	2.29	2.64	5.40	4.18	2.78	3.95	4.30	2.61	10.42
ELECTRICITY	73.19	79.95	109.63	121.43	127.62	143.40	151.20	171.60	183.19	214.83	259.94
INDUSTRIAL SECTOR											
TOTAL ENERGY	244.18	255.31	300.46	344.53	528.62	611.95	655.35	751.59	814.44	975.00	1,352.15
METALLURGICAL COAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER COAL	2.53	2.94	1.89	3.72	8.77	14.01	21.86	19.63	15.93	19.37	16.54
NATURAL GAS (DRY)	36.36	41.21	46.49	62.71	85.93	121.22	134.38	157.31	165.71	235.55	266.68
TOTAL PETROLEUM	120.21	128.83	156.82	182.72	326.10	347.81	356.14	449.50	478.69	551.46	828.37
ASPHALT	10.00	12.09	15.14	16.67	25.81	29.69	32.99	33.54	39.81	47.24	50.21
DISTILLATE FUEL	21.13	21.70	23.81	30.29	36.45	46.89	53.71	73.57	83.36	132.12	149.48
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KEROSENE	.52	.37	.18	.14	.93	1.55	1.39	3.92	5.26	2.69	1.45
LPG	1.51	1.53	1.76	1.40	2.74	2.73	3.39	4.96	7.92	11.90	13.65
LUBRICANTS	9.75	5.05	5.46	6.75	9.21	10.90	12.09	12.00	13.13	17.23	17.92
MOTOR GASOLINE	8.45	7.81	7.91	7.72	9.57	10.61	10.64	9.77	10.50	10.87	14.40
RESIDUAL FUEL	20.10	25.89	37.53	41.10	81.36	68.24	53.01	76.17	77.75	40.40	144.05
ROAD OIL	.18	.23	.33	.34	3.95	4.45	4.02	1.99	.42	.45	.11
OTHER PETROLEUM PRODUCTS	48.58	54.15	64.69	78.32	156.07	172.76	184.91	233.57	240.53	288.57	437.12
ELECTRICITY	85.07	82.33	95.27	95.37	107.82	128.91	142.97	125.14	154.11	168.63	240.56
TRANSPORTATION SECTOR											
TOTAL ENERGY	644.28	667.49	678.63	796.34	1,125.84	1,297.07	1,442.19	1,617.82	1,786.38	2,437.77	3,256.62
OTHER COAL	*	*	*	*	*	*	*	*	.00	.00	.00
NATURAL GAS (DRY)	1.36	1.41	2.02	2.34	2.37	3.71	4.56	10.09	11.85	16.99	13.98
TOTAL PETROLEUM	642.84	666.00	676.55	793.92	1,123.39	1,293.26	1,437.53	1,607.60	1,774.50	2,420.74	3,242.52
AVIATION GASOLINE	8.90	7.21	7.60	7.78	10.78	9.53	9.25	11.11	12.51	15.31	26.29
DISTILLATE FUEL	30.02	35.94	41.91	60.27	90.53	98.79	131.33	146.45	164.87	265.29	370.55
JET FUEL	44.69	51.86	47.04	61.85	111.67	165.92	175.26	183.46	190.71	283.03	448.98
LPG	.09	.09	.09	.08	.13	.15	.17	.22	.30	.46	.52
LUBRICANTS	14.62	13.55	14.65	15.50	21.15	24.28	26.92	29.83	32.62	42.80	44.52
MOTOR GASOLINE	540.24	554.07	562.26	644.14	878.94	974.50	1,072.75	1,211.52	1,322.32	1,685.65	2,166.38
RESIDUAL FUEL	4.28	3.29	2.99	4.31	10.19	20.10	21.84	25.02	51.18	128.21	185.27
ELECTRICITY	.07	.07	.06	.07	.07	.10	.10	.13	.03	.04	.12
ELECTRIC UTILITIES											
TOTAL ENERGY	4.85	5.23	5.23	34.60	23.13	47.94	57.59	75.85	66.20	99.52	95.67
OTHER COAL	.00	.00	.00	23.50	17.49	36.70	50.06	62.94	52.87	69.98	77.11
NATURAL GAS (DRY)	.00	.00	.00	.00	.00	.00	.00	.00	.12	5.74	3.34
TOTAL PETROLEUM	.02	*	.12	2.50	.42	.72	.65	.03	.82	10.24	6.46
DISTILLATE FUEL	.00	.00	.00	2.26	.12	.72	.65	.02	.62	2.39	1.37
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.02	.20	.62	.00
PETROLEUM COKE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RESIDUAL FUEL	.02	*	.12	.24	.30	.00	.00	.00	.00	7.23	5.09
NUCLEAR POWER	4.83	5.23	5.11	8.60	5.21	10.52	6.89	12.88	12.39	13.56	8.76
WOOD AND WASTE	*	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

* LESS THAN .005.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE TO THE INDUSTRIAL SECTOR BY STATE.

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE EXPENDITURES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL SINCE THERE ARE NO ASSOCIATED FUEL COSTS FOR THESE ENERGY SOURCES.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MEXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: COAL INCLUDES ANTHRACITE, BITUMINOUS, AND LIGNITE EXCEPT IN THE TRANSPORTATION SECTOR WHICH DOES NOT CONSUME ANTHRACITE.

NOTE: RESIDENTIAL, COMMERCIAL, INDUSTRIAL, AND TRANSPORTATION EXPENDITURES EXCLUDE ENERGY EXPENDITURES FOR WOOD AND WOOD WASTE.

NOTE: EXPENDITURES ON NET IMPORTS OF COAL COKE ARE NOT DISTRIBUTED BY STATE; THEREFORE, THE SUM OF THE TOTAL EXPENDITURES BY STATE WILL NOT EQUAL THE TOTAL U.S. EXPENDITURE.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, THE ENERGY, PRICE, AND EXPENDITURES DATA SYSTEM (EPEDS)

Table 147. Average Annual Fuel Prices by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Washington (Dollars per Million Btu)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
ALL FUELS	2.0768	2.1750	2.2540	2.4556	2.8754	3.2402	3.4646	3.8214	4.0293	4.5769	5.7296
OTHER COAL	.3353	.8846	.8259	1.1514	1.4535	1.1400	1.9000	2.5200	2.5500	2.5684	2.9678
NATURAL GAS	1.3248	1.3541	1.3905	1.4767	1.6904	2.1823	2.5889	2.9894	3.3238	3.7691	5.0506
TOTAL PETROLEUM	1.4408	1.6121	1.5573	1.8775.	2.7679	2.9767	3.2027	3.5486	3.7063	4.9651	7.3403
DISTILLATE FUEL	1.3287	1.4096	1.4169	1.6447	2.6146	2.7984	3.1058	3.3687	3.4939	4.7226	7.2162
KEROSENE	2.4653	2.6413	2.7789	2.9855	3.4680	3.6138	4.0258	4.2960	4.5243	6.4625	9.7606
LPG	2.3482	3.3035	2.9756	4.5758	4.0633	5.7326	4.1731	5.9300	6.2067	7.5300	8.1200
ELECTRICITY	3.1177	3.1513	3.2443	3.3542	3.5805	3.9319	4.0048	4.3458	4.4723	4.7893	5.5967
COMMERCIAL SECTOR											
ALL FUELS	1.9046	1.9536	2.1194	2.1884	2.5057	2.9281	3.1431	3.5503	3.6352	4.2219	5.2857
OTHER COAL	.4636	.4979	.5088	.8585	1.2174	1.3132	1.3875	1.4160	1.1165	1.3675	1.8768
NATURAL GAS	1.0435	1.0652	1.1010	1.1857	1.2713	1.7458	2.1424	2.5584	2.7191	3.3075	4.5951
TOTAL PETROLEUM	1.2343	1.3160	1.2959	1.5163	2.5066	2.8037	3.0976	3.2880	3.3990	4.8109	6.8345
DISTILLATE FUEL	1.2130	1.2822	1.2900	1.5219	2.5056	2.6638	2.9640	3.2110	3.3079	4.5780	6.9749
KEROSENE	.8369	.8603	.8712	1.1605	1.8746	2.3111	2.6278	3.1282	3.4359	4.4739	6.8889
LPG	1.3459	1.4166	1.4591	1.5180	2.2829	2.6921	2.9260	3.5670	3.2865	4.3655	5.4199
MOTOR GASOLINE	2.9206	2.9326	2.8778	3.1392	4.2949	4.6152	4.8064	5.1629	5.3964	7.1712	9.8433
RESIDUAL FUEL	.4160	.5514	.6004	.7273	1.5631	1.8217	1.7093	1.8586	1.8706	2.5787	3.8826
ELECTRICITY	3.2000	3.2444	3.3484	3.4768	3.7470	4.0911	4.0389	4.5859	4.4792	4.9066	5.5552
INDUSTRIAL SECTOR											
ALL FUELS	.6869	.7148	.7349	.8239	1.3371	1.6947	1.8372	2.0554	2.1798	2.7454	4.0144
METALLURGICAL COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
OTHER COAL	.4636	.4979	.5088	.8585	1.2174	1.3132	1.3875	1.4160	1.1165	1.3675	1.8768
NATURAL GAS	.3787	.4164	.4474	.5052	.7736	1.2898	1.6734	2.0315	2.3947	2.7925	4.0898
TOTAL PETROLEUM	.7204	.7614	.7617	.9214	1.8569	2.1351	2.2315	2.4710	2.6129	3.7063	5.3172
ASPHALT	.6558	.7839	.7801	.7654	1.6356	1.7804	1.6893	1.7554	1.9393	2.2489	3.6975
DISTILLATE FUEL	.7281	.7485	.7580	1.0096	1.6309	2.0498	2.2644	2.7365	2.9373	4.3940	5.9264
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
KEROSENE	.8369	.8603	.8712	1.1605	1.8746	2.3111	2.6278	3.1282	3.4359	4.4739	6.8889
LPG	1.3459	1.4166	1.4591	1.5180	2.2829	2.6921	2.9260	3.5670	3.2865	4.3655	5.4199
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.9206	2.9326	2.8778	3.1392	4.2949	4.6152	4.8064	5.1629	5.3964	7.1712	9.8433
RESIDUAL FUEL	.4068	.5392	.5871	.7112	1.5285	1.7814	1.6908	1.8037	1.8530	2.3164	3.4975
ROAD OIL	.7353	.8666	.8666	.8448	1.5670	1.6863	1.6808	1.8257	1.8691	2.1535	4.5717
OTHER PETROLEUM PRODUCTS	.7282	.7576	.7551	.9355	2.0341	2.2361	2.3887	2.6898	2.8327	3.9074	6.2121
ELECTRICITY	.9766	.9908	.9991	1.0434	1.0626	1.3781	1.4148	1.3535	1.4409	1.5636	2.2478
TRANSPORTATION SECTOR											
ALL FUELS	2.2161	2.2432	2.2478	2.4319	3.4383	3.7037	3.9301	4.2954	4.3801	5.5804	7.8049
OTHER COAL	.4636	.4979	.5088	.8585	1.2174	1.3132	1.3875	1.4160	.0000	.0000	.0000
NATURAL GAS	.2058	.2228	.2663	.3120	.4203	.6209	.7484	1.6011	1.8365	2.2753	3.7283
TOTAL PETROLEUM	2.2631	2.2872	2.2989	2.4817	3.4913	3.7572	3.9839	4.3413	4.4210	5.6379	7.8422
AVIATION GASOLINE	3.4553	3.5236	3.4986	3.7615	5.2408	5.6360	5.8299	6.4522	7.0471	9.4017	13.8114
DISTILLATE FUEL	1.3040	1.3748	1.4207	1.5956	2.4818	2.6274	2.8651	3.0895	3.1539	4.5933	6.6605
JET FUEL	.7667	.8059	.8030	.9526	1.6422	2.1415	2.4340	2.7423	2.9949	3.9668	6.5057
LPG	1.3459	1.4166	1.4591	1.5180	2.2829	2.6921	2.9260	3.5670	3.2865	4.3655	5.4199
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.9206	2.9326	2.8778	3.1392	4.2949	4.6152	4.8064	5.1629	5.3964	7.1712	9.8433
RESIDUAL FUEL	.3369	.4465	.4861	.5889	1.2657	1.4738	1.4304	1.5141	1.4515	2.1347	2.9086
ELECTRICITY	2.1596	2.1432	2.2609	2.5540	2.7976	3.1995	3.3460	4.1520	3.6635	3.8834	3.8980
ELECTRIC UTILITIES											
ALL FUELS	.1688	.1890	.1640	.3092	.2534	.4715	.6169	.5682	.5797	.7792	.9128
OTHER COAL	.0000	.0000	.0000	.3878	.3691	.5652	.7524	.7234	.7710	.8362	.9615
NATURAL GAS	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	2.0439	2.6436	3.4333
TOTAL PETROLEUM	.3946	.5953	.3156	.8395	.8956	2.3333	2.5826	2.7597	3.2323	3.0032	3.3631
DISTILLATE FUEL	.0000	.0000	.0000	.8567	2.6260	2.3333	2.5826	2.7497	3.3320	4.6654	2.7428
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	2.7700	2.9591	4.9678	.0000
PETROLEUM COKE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
RESIDUAL FUEL	.3946	.5953	.3156	.7056	.7070	.0000	.0000	.0000	.0000	2.6075	3.5818
NUCLEAR POWER	.1683	.1889	.1622	.1779	.1200	.2887	.2592	.2772	.2735	.3526	.4031
WOOD AND WASTE	.8000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE PRICES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: THE FOLLOWING FUEL SECTOR PRICES HAVE BEEN SUBSTITUTED (SEE THE DOCUMENTATION FOR THE DETAILS), COAL COMMERCIAL = COAL INDUSTRIAL, KEROSENE COMMERCIAL = KEROSENE INDUSTRIAL, LPG COMMERCIAL = LPG INDUSTRIAL, MOTOR GASOLINE COMMERCIAL = MOTOR GASOLINE TRANSPORTATION; JET FUEL INDUSTRIAL = JET FUEL TRANSPORTATION, MOTOR GASOLINE INDUSTRIAL = MOTOR GASOLINE TRANSPORTATION, OTHER PETROLEUM PRODUCTS INDUSTRIAL = DISTILLATE INDUSTRIAL UNITED STATES; COAL TRANSPORTATION = COAL INDUSTRIAL, LPG TRANSPORTATION = LPG INDUSTRIAL, LUBRICANTS TRANSPORTATION = LUBRICANTS INDUSTRIAL.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 148. Fuel Expenditures and Electricity Sales by Fuel Type, 1970-1980: West Virginia (Million Dollars)

ENERGY EXPENDITURES ALL SECTORS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
COAL											
METALLURGICAL COAL	59	59	73	86	162	191	244	208	184	175	178
OTHER COAL	41	49	48	51	116	125	96	95	98	104	78
(INCLUDING ELECTRICITY GENERATION)	128	169	213	283	928	699	671	747	815	850	932
TOTAL COAL	100	109	121	136	278	317	340	303	282	278	256
(INCLUDING ELECTRICITY GENERATION)	187	229	286	368	1,089	891	915	955	999	1,024	1,110
NATURAL GAS											
TOTAL NATURAL GAS	111	118	136	134	154	178	205	302	316	362	460
(INCLUDING ELECTRICITY GENERATION)	112	118	136	134	154	178	205	302	316	363	460
PETROLEUM PRODUCTS											
ASPHALT AND ROAD OIL	4	5	5	5	8	11	13	12	17	20	17
AVIATION GASOLINE	1	1	1	1	1	1	2	2	2	2	4
DISTILLATE FUEL OIL	32	42	53	68	99	112	108	162	160	282	420
(INCLUDING ELECTRICITY GENERATION)	32	42	53	68	101	121	119	176	185	301	446
JET FUEL	1	1	1	1	2	3	3	4	5	8	14
(INCLUDING ELECTRICITY GENERATION)	1	1	1	1	2	3	4	5	5	8	14
KEROSENE	3	3	3	3	5	5	5	5	5	25	23
LIQUEFIED PETROLEUM GASES	7	7	9	12	17	16	17	20	19	25	30
LUBRICANTS	25	27	30	29	39	39	43	40	44	57	60
MOTOR GASOLINE	238	261	272	300	396	468	510	563	573	767	1,020
RESIDUAL FUEL	5	6	5	5	7	22	46	52	40	27	38
(INCLUDING ELECTRICITY GENERATION)	6	7	7	7	20	22	46	52	41	27	38
ALL OTHER PETROLEUM PRODUCTS	21	22	24	29	67	72	68	83	75	104	187
(INCLUDING ELECTRICITY GENERATION)	21	22	24	29	67	72	68	83	75	104	187
TOTAL PETROLEUM	335	375	402	452	641	750	815	942	938	1,318	1,812
(INCLUDING ELECTRICITY GENERATION)	336	377	405	454	656	759	826	957	964	1,337	1,838
NUCLEAR POWER, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
WOOD AND WASTE, ELECTRICITY GENERATION	*	0	0	0	0	0	0	0	0	0	0
ELECTRICITY SALES	204	230	263	293	388	479	546	571	629	667	769
TOTAL (INCLUDING ELECTRICITY SALES, EXCLUDING ELECTRICITY GENERATION)	751	833	923	1,014	1,461	1,724	1,906	2,119	2,164	2,626	3,298
TOTAL (EXCLUDING ELECTRICITY SALES, INCLUDING ELECTRICITY GENERATION)	635	723	827	956	1,898	1,828	1,946	2,214	2,279	2,724	3,409

* LESS THAN .5.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: THERE ARE NO PURCHASED FUEL EXPENDITURES FOR ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: DATA FOR 1980 DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.

NOTE: THE "ALL OTHER PETROLEUM PRODUCTS" CATEGORY INCLUDES NATURAL GASOLINE, UNFRACTIONATED STREAM, PLANT CONDENSATE, PETRO CHEMICAL FEEDSTOCKS, SPECIAL NAPHTHAS, PETROLEUM COKE (NOT CONSUMED IN ELECTRIC UTILITIES), STILL GAS, WAX, AND MISCELLANEOUS PRODUCTS. THE "(INCLUDING ELECTRICITY GENERATION)" CATEGORY INCLUDES PETROLEUM COKE FUEL EXPENDITURES FOR ELECTRIC UTILITIES.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE; THEREFORE, THE SUM OF ALL STATES WILL NOT EQUAL TOTAL U.S.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

	1980
Primary Consumptn Exp.	3382
− EU's Primary	−800
+ Elec. purchases	−769
Total Energy Exp's	3,351

Table 149. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: West Virginia (Million Dollars)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
TOTAL ENERGY	134.55	149.99	170.02	181.65	225.45	276.53	314.92	380.44	407.76	461.75	554.88
OTHER COAL	.76	3.55	3.39	5.03	12.86	7.49	5.21	6.71	8.58	8.55	4.28
NATURAL GAS (DRY)	51.50	52.03	57.27	53.71	59.23	73.31	83.82	128.54	137.28	139.51	176.35
TOTAL PETROLEUM	6.74	8.55	10.89	12.35	14.55	18.04	21.76	28.40	24.78	67.11	78.95
DISTILLATE FUEL	1.92	2.94	4.39	4.73	6.92	8.83	13.18	17.63	13.65	35.88	46.73
KEROSENE	2.48	3.00	3.05	2.67	3.11	3.10	2.82	3.83	3.60	21.05	19.67
LPG	2.34	2.60	3.45	4.95	4.52	6.10	5.75	6.94	7.52	10.18	12.54
ELECTRICITY	75.55	85.87	98.47	110.56	138.81	177.69	204.14	216.79	237.13	246.58	295.30
COMMERCIAL SECTOR											
TOTAL ENERGY	62.18	71.56	82.59	90.46	111.46	137.01	152.65	177.72	190.02	217.55	256.60
OTHER COAL	.98	1.50	1.62	1.72	6.44	5.04	3.50	4.56	5.12	6.51	2.84
NATURAL GAS (DRY)	15.26	16.90	19.84	19.50	21.96	29.73	30.04	43.74	47.73	59.74	74.57
TOTAL PETROLEUM	1.76	2.17	2.69	2.81	4.19	5.16	6.81	8.72	7.32	16.72	18.50
DISTILLATE FUEL	.57	.88	1.30	1.40	2.22	2.90	4.32	5.86	4.47	12.20	9.74
KEROSENE	.06	.07	.07	.06	.12	.12	.11	.16	.15	.92	1.48
LPG	.25	.29	.35	.35	.53	.59	.67	.83	.88	1.13	1.37
MOTOR GASOLINE	.85	.90	.93	.98	1.29	1.43	1.48	1.61	1.64	2.33	5.77
RESIDUAL FUEL	.03	.03	.03	.02	.04	.12	.24	.27	.19	.14	.14
ELECTRICITY	44.18	50.98	58.45	66.43	78.87	97.07	112.30	120.69	129.86	134.58	160.69
INDUSTRIAL SECTOR											
TOTAL ENERGY	282.87	306.19	343.52	372.26	634.68	739.97	838.65	879.95	855.34	994.78	1,173.18
METALLURGICAL COAL	58.75	59.37	72.76	85.58	161.53	191.44	244.07	207.91	183.51	174.61	177.78
OTHER COAL	39.04	44.27	43.38	43.74	96.84	112.70	87.58	83.55	84.38	88.73	71.24
NATURAL GAS (DRY)	42.03	45.62	53.55	53.94	65.31	66.82	80.89	113.73	111.29	148.70	179.27
TOTAL PETROLEUM	58.38	63.33	67.86	73.48	140.31	164.40	196.87	241.06	214.48	296.62	432.14
ASPHALT	3.86	4.90	5.45	5.10	7.75	11.29	12.88	11.72	16.92	19.96	16.99
DISTILLATE FUEL	4.48	4.87	6.01	6.51	14.71	19.75	27.96	54.09	42.61	90.95	131.14
JET FUEL	.00	.00	.00	.00	.00	.05	.01	.02	.00	.00	.00
KEROSENE	.17	.18	.25	.20	1.59	2.00	2.13	1.24	1.24	2.79	2.03
LPG	4.09	4.55	5.03	6.25	11.69	9.37	10.09	12.24	10.42	13.43	16.28
LUBRICANTS	18.28	19.66	21.26	20.49	27.97	25.32	28.07	25.02	27.37	35.91	37.36
MOTOR GASOLINE	1.71	1.52	1.40	1.40	2.03	1.90	1.85	2.14	1.72	2.45	4.28
RESIDUAL FUEL	5.20	5.78	4.91	4.58	7.29	22.20	45.87	51.88	39.66	27.22	37.50
ROAD OIL	.02	*	*	.01	.09	.01	.01	.01	.01	.01	.04
OTHER PETROLEUM PRODUCTS	20.56	21.87	23.54	28.94	67.19	72.50	68.01	82.68	74.53	103.91	186.53
ELECTRICITY	84.67	93.61	105.98	115.52	170.68	204.62	229.25	233.71	261.70	286.11	312.76
TRANSPORTATION SECTOR											
TOTAL ENERGY	271.11	304.89	326.59	369.78	489.28	570.40	599.68	680.47	711.19	951.81	1,312.89
OTHER COAL	.13	.11	.10	.07	.11	.04	.02	.01	.00	.00	.00
NATURAL GAS (DRY)	2.53	3.40	5.62	6.84	7.06	8.17	10.11	16.16	19.41	14.41	30.04
TOTAL PETROLEUM	268.45	301.37	320.87	362.87	482.11	562.19	589.55	664.29	691.78	937.40	1,282.84
AVIATION GASOLINE	.85	.77	.71	.84	1.20	1.37	1.56	1.79	1.85	2.45	3.71
DISTILLATE FUEL	24.59	33.71	40.92	55.67	75.21	80.20	62.93	84.09	99.61	143.01	232.78
JET FUEL	1.14	.91	.68	.82	1.56	2.65	3.18	4.20	4.75	7.77	13.83
LPG	.02	.02	.04	.04	.06	.06	.07	.08	.09	.12	.14
LUBRICANTS	6.75	7.75	8.39	8.08	11.03	13.58	15.05	14.89	16.28	21.36	22.22
MOTOR GASOLINE	235.08	258.20	270.14	297.42	393.04	464.33	506.76	559.25	569.20	762.67	1,010.16
RESIDUAL FUEL	.01	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00
ELECTRICITY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRIC UTILITIES											
TOTAL ENERGY	88.34	121.31	167.01	234.85	825.83	583.68	585.95	667.06	742.90	765.39	879.77
OTHER COAL	87.15	119.81	164.54	232.11	811.28	573.85	574.48	652.03	717.06	746.00	853.67
NATURAL GAS (DRY)	.23	.13	.17	.13	.11	.28	.27	.06	.03	.20	.19
TOTAL PETROLEUM	.96	1.37	2.29	2.61	14.44	9.55	11.20	14.97	25.81	19.19	25.91
DISTILLATE FUEL	.01	.02	-.04	.02	1.69	9.44	10.73	14.68	24.84	19.12	25.75
JET FUEL	.00	.00	.18	.15	.15	.10	.47	.29	.04	.07	.15
PETROLEUM COKE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RESIDUAL FUEL	.95	1.35	2.15	2.44	12.59	.00	.00	.00	.94	.00	.00
NUCLEAR POWER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WOOD AND WASTE	*	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

* LESS THAN .005.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE TO THE INDUSTRIAL SECTOR BY STATE.

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE EXPENDITURES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL SINCE THERE ARE NO ASSOCIATED FUEL COSTS FOR THESE ENERGY SOURCES.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MEXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: COAL INCLUDES ANTHRACITE, BITUMINOUS, AND LIGNITE EXCEPT IN THE TRANSPORTATION SECTOR WHICH DOES NOT CONSUME ANTHRACITE.

NOTE: RESIDENTIAL, COMMERCIAL, INDUSTRIAL, AND TRANSPORTATION EXPENDITURES EXCLUDE ENERGY EXPENDITURES FOR WOOD AND WOOD WASTE.

NOTE: EXPENDITURES ON NET IMPORTS OF COAL COKE ARE NOT DISTRIBUTED BY STATE; THEREFORE, THE SUM OF THE TOTAL EXPENDITURES BY STATE WILL NOT EQUAL THE TOTAL U.S. EXPENDITURE.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, THE ENERGY, PRICE, AND EXPENDITURES DATA SYSTEM (EPEDS)

Σ ES = 769

Table 150. Average Annual Fuel Prices by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: West Virginia (Dollars per Million Btu)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
ALL FUELS	1.7395	1.9377	2.0343	2.2553	2.8051	3.5819	3.9946	4.6294	4.8811	5.3955	6.6295
OTHER COAL	.4199	1.4836	1.3878	1.6794	2.8733	3.1409	2.8863	3.1543	3.6086	3.1694	3.5131
NATURAL GAS	.8617	.9072	.9368	.9456	1.0752	1.4012	1.5992	2.4442	2.5305	2.8573	3.5667
TOTAL PETROLEUM	1.6960	1.7236	1.7524	2.2282	2.9539	3.2748	3.3030	3.7278	4.0949	5.2683	7.5209
DISTILLATE FUEL	1.3162	1.4106	1.4192	1.6031	2.5465	2.6756	2.9066	3.3095	3.5611	4.8128	6.8922
KEROSENE	1.6371	1.6953	1.7185	1.9253	2.9532	3.1691	3.4271	3.8555	4.1227	5.5908	8.5029
LPG	2.3367	2.3607	2.5620	4.1099	3.9151	4.9693	4.6838	5.3450	5.6000	6.7050	8.9400
ELECTRICITY	6.4008	6.7591	7.1419	7.2707	8.7385	10.4597	11.3202	10.9249	11.3670	11.5665	13.1014
COMMERCIAL SECTOR											
ALL FUELS	1.8046	1.8930	1.9416	2.1259	2.5243	3.3407	4.1485	4.7275	4.6765	5.0515	6.4524
OTHER COAL	.2932	.3381	.3561	.3529	.8281	1.2146	1.0808	1.1889	1.1763	1.3128	1.2876
NATURAL GAS	.6827	.7094	.7248	.7394	.8722	1.1765	1.4407	2.1948	2.0877	2.6274	3.3131
TOTAL PETROLEUM	1.5439	1.5546	1.4918	1.6474	2.6472	2.7906	2.8811	3.2594	3.4902	4.6752	7.1537
DISTILLATE FUEL	1.0735	1.1470	1.1504	1.2897	2.2292	2.3933	2.6018	3.0017	3.1792	4.4652	6.4033
KEROSENE	.7735	.8219	.8199	.9063	2.1768	2.4521	2.6063	3.1337	3.3124	4.7749	7.0322
LPG	1.4253	1.4763	1.4891	1.6247	2.6106	2.7031	3.0750	3.6248	3.6986	4.2183	5.5320
MOTOR GASOLINE	2.8576	3.0198	3.0684	3.1358	4.1173	4.6095	4.7280	5.0544	5.1252	7.1274	10.0163
RESIDUAL FUEL	.5232	.6538	.7266	.8659	2.0787	1.9648	1.7881	2.1160	2.1131	2.4443	4.5319
ELECTRICITY	5.7961	6.2616	6.6222	6.9274	8.2026	9.9679	10.8590	10.8253	11.4674	11.4121	12.8880
INDUSTRIAL SECTOR											
ALL FUELS	.6144	.7025	.7544	.8234	1.4479	1.9364	2.0685	2.3717	2.4880	2.9273	3.7108
METALLURGICAL COAL	.4138	.4815	.5192	.5808	1.1711	1.5611	1.6896	1.7404	1.7869	1.8342	1.9138
OTHER COAL	.2932	.3381	.3561	.3529	.8281	1.2146	1.0808	1.1889	1.1763	1.3128	1.2876
NATURAL GAS	.4382	.4961	.5336	.6089	.7253	.9641	1.2272	1.9055	1.8047	2.3859	2.9424
TOTAL PETROLEUM	1.0208	1.0896	1.1184	1.2632	2.4030	2.4769	2.4441	2.7544	2.9253	3.8457	6.0898
ASPHALT	.6770	.7405	.7916	.8446	1.4468	1.8053	1.8380	1.9878	2.2093	2.5865	3.5785
DISTILLATE FUEL	.7076	.7519	.7500	.8292	1.9914	2.2678	2.4034	2.8687	3.0146	3.8792	6.3096
JET FUEL	.0000	.0000	.0000	.0000	.0000	2.2326	2.3722	2.8019	.0000	.0000	.0000
KEROSENE	.7735	.8219	.8199	.9063	2.1768	2.4521	2.6063	3.1337	3.3124	4.7749	7.0322
LPG	1.4253	1.4763	1.4891	1.6247	2.6106	2.7031	3.0750	3.6248	3.6986	4.2183	5.5320
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.8576	3.0198	3.0684	3.1358	4.1173	4.6095	4.7280	5.0544	5.1252	7.1274	10.0163
RESIDUAL FUEL	.5116	.6394	.7106	.8468	2.0328	1.9214	1.7687	2.0534	2.0932	2.1957	4.0825
ROAD OIL	.7009	.7642	.8154	.9520	1.6516	1.8756	1.9155	2.0114	2.2133	2.5650	4.2392
OTHER PETROLEUM PRODUCTS	.7282	.7576	.7551	.9355	2.0341	2.2361	2.3887	2.6898	2.8327	3.9074	6.2121
ELECTRICITY	2.6328	2.9628	3.2723	3.3935	4.8703	6.5887	6.8448	6.8581	7.6113	7.6114	8.6745
TRANSPORTATION SECTOR											
ALL FUELS	2.5065	2.6143	2.5949	2.6824	3.6262	4.1212	4.2252	4.5345	4.6411	6.2497	8.9759
OTHER COAL	.2932	.3381	.3561	.3529	.8281	1.2146	1.0808	1.1889	.0000	.0000	.0000
NATURAL GAS	.3104	.3280	.3703	.3822	.4398	.5699	.7162	1.0739	1.2536	.8352	2.2190
TOTAL PETROLEUM	2.6960	2.8455	2.9065	3.0296	4.0604	4.5327	4.6134	4.9206	5.0217	6.9412	9.6652
AVIATION GASOLINE	3.4553	3.5236	3.4986	3.7615	5.2408	5.6360	5.8299	6.4522	7.0471	8.7361	13.0626
DISTILLATE FUEL	1.7004	1.8957	2.0543	2.4734	3.6126	3.9327	3.6240	3.9962	4.2837	5.9018	8.2841
JET FUEL	.7993	.8400	.8370	.9933	1.7119	2.2326	2.3722	2.8019	3.1058	4.3364	7.0906
LPG	1.4253	1.4763	1.4891	1.6247	2.6106	2.7031	3.0750	3.6248	3.6986	4.2183	5.5320
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.8576	3.0198	3.0684	3.1358	4.1173	4.6095	4.7280	5.0544	5.1252	7.1274	10.0163
RESIDUAL FUEL	.2080	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	2.4634	.0000
ELECTRICITY	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
ELECTRIC UTILITIES											
ALL FUELS	.2519	.3192	.3558	.4249	1.3894	.9669	.9022	1.0198	1.2184	1.1617	1.2643
OTHER COAL	.2510	.3180	.3540	.4231	1.3844	.9577	.8911	1.0051	1.1936	1.1403	1.2342
NATURAL GAS	.3169	.3341	.3721	.3162	.2750	.7716	.9209	1.9730	1.7542	2.7716	2.9851
TOTAL PETROLEUM	.3523	.4691	.5581	.6931	1.8128	2.3186	2.5156	2.8044	2.8845	4.1806	6.3005
DISTILLATE FUEL	1.0035	.9031	1.0107	1.3255	2.2206	2.3162	2.5087	2.8006	2.8886	4.1754	6.2978
JET FUEL	.0000	.0000	1.7133	1.8533	2.4737	2.5650	2.6845	3.0139	3.3321	6.2633	6.7870
PETROLEUM COKE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
RESIDUAL FUEL	.3495	.4656	.5318	.6650	1.7635	.0000	.0000	.0000	2.7650	.0000	.0000
NUCLEAR POWER	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
WOOD AND WASTE	.8000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE PRICES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: THE FOLLOWING FUEL SECTOR PRICES HAVE BEEN SUBSTITUTED (SEE THE DOCUMENTATION FOR THE DETAILS), COAL COMMERCIAL = COAL INDUSTRIAL, KEROSENE COMMERCIAL = KEROSENE INDUSTRIAL, LPG COMMERCIAL = LPG INDUSTRIAL, MOTOR GASOLINE COMMERCIAL = MOTOR GASOLINE TRANSPORTATION; JET FUEL INDUSTRIAL = JET FUEL TRANSPORTATION, MOTOR GASOLINE INDUSTRIAL = MOTOR GASOLINE TRANSPORTATION, OTHER PETROLEUM PRODUCTS INDUSTRIAL = DISTILLATE INDUSTRIAL UNITED STATES; COAL TRANSPORTATION = COAL INDUSTRIAL, LPG TRANSPORTATION = LPG INDUSTRIAL, LUBRICANTS TRANSPORTATION = LUBRICANTS INDUSTRIAL.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 151. Fuel Expenditures and Electricity Sales by Fuel Type, 1970-1980: Wisconsin (Million Dollars)

ENERGY EXPENDITURES ALL SECTORS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
COAL											
METALLURGICAL COAL	5	8	8	6	10	13	14	18	10	9	10
OTHER COAL	101	60	69	63	72	84	86	83	93	113	94
(INCLUDING ELECTRICITY GENERATION)	192	154	179	199	257	250	267	295	341	406	465
TOTAL COAL	107	68	78	68	81	96	100	101	103	121	105
(INCLUDING ELECTRICITY GENERATION)	197	163	188	204	267	263	280	313	350	415	475
NATURAL GAS											
TOTAL NATURAL GAS	258	278	275	336	376	461	528	718	849	943	1,175
(INCLUDING ELECTRICITY GENERATION)	272	291	288	350	396	478	543	729	865	993	1,217
PETROLEUM PRODUCTS											
ASPHALT AND ROAD OIL	24	25	26	30	43	41	48	43	58	56	77
AVIATION GASOLINE	3	2	2	2	2	3	3	3	3	5	7
DISTILLATE FUEL OIL	158	172	173	219	358	365	454	523	578	842	875
(INCLUDING ELECTRICITY GENERATION)	159	173	175	226	366	373	471	550	614	874	892
JET FUEL	7	9	9	12	20	27	30	36	39	56	85
(INCLUDING ELECTRICITY GENERATION)	7	9	10	13	21	28	31	36	39	56	85
KEROSENE	20	15	11	13	16	15	13	13	14	6	9
LIQUEFIED PETROLEUM GASES	57	55	66	99	107	115	131	172	143	215	243
LUBRICANTS	36	35	38	44	61	52	58	61	66	87	91
MOTOR GASOLINE	634	681	701	827	1,146	1,231	1,313	1,427	1,485	1,939	2,457
RESIDUAL FUEL	6	6	8	9	18	20	31	36	34	31	38
(INCLUDING ELECTRICITY GENERATION)	10	9	10	14	19	23	32	38	35	32	40
ALL OTHER PETROLEUM PRODUCTS	5	5	4	6	15	19	29	35	32	41	49
(INCLUDING ELECTRICITY GENERATION)	5	6	5	6	15	19	29	35	32	41	49
TOTAL PETROLEUM	949	1,006	1,038	1,261	1,787	1,888	2,109	2,349	2,452	3,279	3,932
(INCLUDING ELECTRICITY GENERATION)	954	1,010	1,043	1,274	1,797	1,900	2,128	2,379	2,488	3,312	3,952
NUCLEAR POWER, ELECTRICITY GENERATION	*	6	5	13	21	37	40	38	44	41	51
WOOD AND WASTE, ELECTRICITY GENERATION	*	0	0	0	0	0	0	*	*	1	1
ELECTRICITY SALES	502	543	621	715	786	935	1,056	1,183	1,319	1,475	1,654
TOTAL (INCLUDING ELECTRICITY SALES, EXCLUDING ELECTRICITY GENERATION)	1,816	1,895	2,012	2,380	3,030	3,380	3,793	4,351	4,723	5,818	6,866
TOTAL (EXCLUDING ELECTRICITY SALES, INCLUDING ELECTRICITY GENERATION)	1,423	1,469	1,524	1,841	2,480	2,677	2,991	3,459	3,748	4,761	5,696

* LESS THAN .5.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: THERE ARE NO PURCHASED FUEL EXPENDITURES FOR ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: DATA FOR 1980 DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.

NOTE: THE "ALL OTHER PETROLEUM PRODUCTS" CATEGORY INCLUDES NATURAL GASOLINE, UNFRACTIONATED STREAM, PLANT CONDENSATE, PETRO CHEMICAL FEEDSTOCKS, SPECIAL NAPHTHAS, PETROLEUM COKE (NOT CONSUMED IN ELECTRIC UTILITIES), STILL GAS, WAX, AND MISCELLANEOUS PRODUCTS. THE "(INCLUDING ELECTRICITY GENERATION)" CATEGORY INCLUDES PETROLEUM COKE FUEL EXPENDITURES FOR ELECTRIC UTILITIES.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE; THEREFORE, THE SUM OF ALL STATES WILL NOT EQUAL TOTAL U.S.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 152. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Wisconsin (Million Dollars)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
TOTAL ENERGY	500.87	526.90	568.45	668.73	781.28	871.81	1,012.73	1,135.61	1,241.89	1,474.91	1,638.88
OTHER COAL	3.41	4.35	2.78	4.37	6.70	6.37	5.85	6.22	3.80	5.20	.83
NATURAL GAS (DRY)	132.35	139.96	141.12	158.78	176.01	209.49	259.57	298.80	347.02	383.78	469.57
TOTAL PETROLEUM	139.12	139.09	146.37	197.54	254.49	252.80	298.01	333.33	340.97	479.92	483.95
DISTILLATE FUEL	79.94	86.59	86.73	106.72	166.62	160.67	201.60	228.06	246.55	328.19	324.44
KEROSENE	13.39	10.07	7.47	8.61	9.63	8.90	6.99	6.85	7.84	3.76	5.71
LPG	45.79	42.43	52.17	82.21	78.23	83.22	89.41	98.41	86.58	147.98	153.80
ELECTRICITY	225.99	243.50	278.18	308.04	344.08	403.15	449.30	497.25	550.10	606.01	684.53
COMMERCIAL SECTOR											
TOTAL ENERGY	232.16	243.04	263.28	330.08	371.68	425.55	472.93	561.16	653.56	760.38	871.94
OTHER COAL	15.00	11.57	9.39	6.01	7.79	12.45	11.21	8.67	7.07	9.92	1.49
NATURAL GAS (DRY)	45.89	45.76	43.99	61.24	74.43	88.56	98.96	129.00	183.55	218.32	264.78
TOTAL PETROLEUM	19.02	20.19	20.77	24.18	39.86	38.58	46.48	54.30	56.45	73.31	91.23
DISTILLATE FUEL	11.40	12.21	12.20	15.31	25.11	24.42	30.42	34.66	37.01	51.15	63.37
KEROSENE	.62	.46	.33	.44	.65	.59	.48	.46	.53	.27	2.20
LPG	5.43	5.96	6.53	6.52	10.81	10.03	10.56	13.23	13.32	15.97	21.14
MOTOR GASOLINE	.78	.73	.77	.86	1.21	1.25	1.26	1.31	1.60	2.16	3.76
RESIDUAL FUEL	.78	.83	.93	1.05	2.09	2.29	3.76	4.64	4.00	3.76	.76
ELECTRICITY	152.24	165.50	189.13	238.65	249.60	285.97	316.28	369.18	406.49	458.83	514.44
INDUSTRIAL SECTOR											
TOTAL ENERGY	420.73	407.60	438.51	502.15	642.87	749.48	867.52	1,065.01	1,140.52	1,305.70	1,442.88
METALLURGICAL COAL	5.33	8.46	8.40	5.56	9.66	12.90	13.67	18.00	9.78	8.80	10.40
OTHER COAL	82.67	43.57	56.93	52.11	57.13	64.76	69.36	68.24	82.59	97.54	91.98
NATURAL GAS (DRY)	78.46	90.80	88.51	114.18	124.20	160.53	168.61	285.79	314.49	334.29	404.05
TOTAL PETROLEUM	130.34	130.67	131.07	161.60	259.46	265.51	325.60	376.40	371.05	455.23	481.36
ASPHALT	15.16	19.36	18.32	21.22	37.23	36.39	40.94	37.70	47.78	52.04	68.13
DISTILLATE FUEL	35.09	36.60	35.72	46.95	89.19	90.69	112.73	126.27	135.46	187.58	128.16
JET FUEL	.00	.00	.00	.00	.00	.26	.11	.09	.00	.00	.00
KEROSENE	5.93	4.79	3.07	3.99	5.96	5.47	5.17	5.18	5.34	2.40	1.58
LPG	5.82	6.37	7.38	10.19	17.99	21.58	30.33	60.10	42.35	50.77	67.22
LUBRICANTS	16.11	13.87	15.00	22.50	30.70	24.13	26.75	29.56	32.32	42.42	44.13
MOTOR GASOLINE	34.42	33.11	33.31	34.97	42.66	48.38	51.55	49.34	41.65	52.44	80.91
RESIDUAL FUEL	4.89	5.40	6.39	7.64	14.71	14.72	22.55	27.45	24.27	22.31	33.06
ROAD OIL	8.40	5.99	7.64	8.40	6.21	4.70	6.58	5.42	10.34	4.13	8.98
OTHER PETROLEUM PRODUCTS	4.53	5.18	4.25	5.74	14.81	19.18	28.90	35.29	31.54	41.14	49.19
ELECTRICITY	123.94	134.09	153.59	168.69	192.42	245.79	290.29	316.59	362.61	409.84	455.08
TRANSPORTATION SECTOR											
TOTAL ENERGY	662.16	717.27	741.37	879.48	1,234.45	1,333.53	1,439.71	1,589.35	1,686.61	2,276.78	2,912.53
OTHER COAL	.14	.06	.07	.04	.03	.01	.01	.01	.00	.00	.00
NATURAL GAS (DRY)	1.62	1.41	1.66	1.48	1.64	2.19	1.25	4.17	3.50	6.28	36.85
TOTAL PETROLEUM	660.39	715.79	739.64	877.96	1,232.77	1,331.32	1,438.46	1,585.18	1,683.11	2,270.50	2,875.68
AVIATION GASOLINE	2.51	2.04	2.17	1.69	2.36	2.55	2.97	3.47	3.48	5.02	7.21
DISTILLATE FUEL	31.94	36.64	38.41	50.22	77.53	89.33	109.38	133.76	159.15	275.19	358.54
JET FUEL	7.17	8.78	8.91	12.18	19.85	26.75	30.18	35.45	38.62	56.18	85.47
LPG	.18	.19	.23	.27	.47	.39	.40	.58	.54	.65	.86
LUBRICANTS	20.19	21.27	23.00	21.89	29.88	28.20	31.26	31.11	34.02	44.64	46.44
MOTOR GASOLINE	598.39	646.81	666.71	791.44	1,101.97	1,180.97	1,260.04	1,376.77	1,441.85	1,883.92	2,372.68
RESIDUAL FUEL	.02	.06	.20	.27	.73	3.14	4.23	4.05	5.44	4.91	4.48
ELECTRICITY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRIC UTILITIES											
TOTAL ENERGY	109.51	117.73	133.59	175.79	236.03	231.19	253.63	290.86	344.92	417.66	484.18
OTHER COAL	90.79	94.62	109.94	135.97	185.35	166.07	180.13	212.31	247.23	293.38	370.52
NATURAL GAS (DRY)	13.21	13.12	12.72	14.11	19.82	16.85	14.57	11.44	16.94	49.92	41.71
TOTAL PETROLEUM	5.14	4.30	5.56	12.97	10.14	11.62	19.26	29.35	36.89	32.75	20.04
DISTILLATE FUEL	.57	.75	1.45	7.14	7.70	8.17	17.05	27.15	35.91	31.43	17.93
JET FUEL	.00	.00	.93	.72	.66	.51	1.09	.65	.00	.00	.00
PETROLEUM COKE	.64	.57	.63	.34	.06	.13	.06	.02	.02	.27	.06
RESIDUAL FUEL	3.94	2.98	2.55	4.77	1.72	2.80	1.05	1.52	.96	1.05	2.04
NUCLEAR POWER	.30	5.70	5.37	12.74	20.72	36.64	39.67	37.76	43.59	41.09	50.75
WOOD AND WASTE	.06	.00	.00	.00	.00	.00	.00	*	.27	.52	1.16

* LESS THAN .005.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE TO THE INDUSTRIAL SECTOR BY STATE.

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE EXPENDITURES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL SINCE THERE ARE NO ASSOCIATED FUEL COSTS FOR THESE ENERGY SOURCES.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MEXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: COAL INCLUDES ANTHRACITE, BITUMINOUS, AND LIGNITE EXCEPT IN THE TRANSPORTATION SECTOR WHICH DOES NOT CONSUME ANTHRACITE.

NOTE: RESIDENTIAL, COMMERCIAL, INDUSTRIAL, AND TRANSPORTATION EXPENDITURES EXCLUDE ENERGY EXPENDITURES FOR WOOD AND WOOD WASTE.

NOTE: EXPENDITURES ON NET IMPORTS OF COAL COKE ARE NOT DISTRIBUTED BY STATE; THEREFORE, THE SUM OF THE TOTAL EXPENDITURES BY STATE WILL NOT EQUAL THE TOTAL U.S. EXPENDITURE.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, THE ENERGY, PRICE, AND EXPENDITURES DATA SYSTEM (EPEDS)

Table 153. Average Annual Fuel Prices by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Wisconsin (Dollars per Million Btu)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
ALL FUELS	1.9818	2.0384	2.2825	2.6742	3.0920	3.4388	3.8054	4.3505	4.5696	5.5018	6.7992
OTHER COAL	.2789	.3336	.3898	.9405	1.4630	1.2160	1.2160	1.8100	1.5200	1.6178	1.7644
NATURAL GAS	1.2202	1.2368	1.3131	1.4084	1.4778	1.7118	2.0746	2.4581	2.6503	3.0239	3.7211
TOTAL PETROLEUM	1.4124	1.4342	1.5133	2.1099	2.8366	2.9497	3.1436	3.5850	3.6341	5.1817	7.1185
DISTILLATE FUEL	1.1718	1.2638	1.2726	1.6039	2.5674	2.5658	2.8097	3.1997	3.3952	4.6694	6.8618
KEROSENE	1.4685	1.5179	1.5842	1.8423	2.8058	2.9653	3.1069	3.6363	3.8085	5.4370	8.1284
LPG	2.1639	1.9435	2.1870	3.6680	3.6585	4.1449	4.2994	4.9656	4.5211	6.8375	7.6900
ELECTRICITY	6.7410	6.8996	7.3751	7.8854	8.7595	10.0284	10.8529	11.5502	12.3583	13.3693	14.7550
COMMERCIAL SECTOR											
ALL FUELS	1.9811	2.1583	2.6463	3.0183	3.1094	3.4842	4.1026	4.7690	4.8753	5.4655	6.8095
OTHER COAL	.6640	.4791	.7128	.7030	.9230	1.2848	1.2586	1.3642	1.5233	1.6624	1.7474
NATURAL GAS	.8159	.9313	.9791	1.0914	1.1063	1.2865	1.6830	2.0659	2.3194	2.6557	3.3535
TOTAL PETROLEUM	1.0949	1.1901	1.2065	1.4562	2.4868	2.5210	2.6338	3.1023	3.2375	4.3313	6.4286
DISTILLATE FUEL	1.0310	1.0992	1.1046	1.4194	2.3861	2.4056	2.6147	2.9997	3.1437	4.4890	6.4984
KEROSENE	.8282	.8551	.8544	1.1581	2.3114	2.4023	2.6175	2.9945	3.1471	4.7614	6.7971
LPG	1.4537	1.5463	1.5513	1.6476	2.8638	2.8298	2.8785	3.7813	3.9413	4.1806	5.9898
MOTOR GASOLINE	2.6518	2.7674	2.6883	3.0735	4.3022	4.5446	4.6591	4.9465	4.9782	6.8617	9.4303
RESIDUAL FUEL	.5125	.6913	.7280	.8749	1.7859	2.1079	1.9891	2.2848	2.2255	2.8058	4.0482
ELECTRICITY	7.2585	7.4090	7.8240	8.4940	8.9821	10.1003	10.5707	11.7720	12.3773	13.4861	15.1101
INDUSTRIAL SECTOR											
ALL FUELS	.9816	.9970	1.1556	1.2456	1.7310	2.1451	2.5164	2.7489	3.0046	3.6554	4.5671
METALLURGICAL COAL	.5442	.7304	.6985	.8188	1.4877	1.8604	1.8731	1.8619	2.5111	2.2700	2.3361
OTHER COAL	.6640	.4791	.7128	.7030	.9230	1.2848	1.2586	1.3642	1.5233	1.6624	1.7474
NATURAL GAS	.5401	.5646	.6241	.6690	.7586	1.0324	1.3746	1.7546	2.0102	2.3971	3.0462
TOTAL PETROLEUM	1.0875	1.1362	1.1644	1.3800	2.4910	2.6648	2.7082	3.0600	3.0842	4.1706	5.9537
ASPHALT	.6969	.8246	.8555	.8604	1.7649	2.0465	1.9764	2.0452	2.1315	2.5504	3.7751
DISTILLATE FUEL	.7615	.7863	.7856	1.0649	2.1253	2.2318	2.4275	2.7485	2.8790	4.2541	6.1598
JET FUEL	.0000	.0000	.0000	.0000	.0000	2.1615	2.4412	2.7631	.0000	.0000	.0000
KEROSENE	.8282	.8551	.8544	1.1581	2.3114	2.4023	2.6175	2.9945	3.1471	4.7614	6.7971
LPG	1.4537	1.5463	1.5513	1.6476	2.8638	2.8298	2.8785	3.7813	3.9413	4.1806	5.9898
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.6518	2.7674	2.6883	3.0735	4.3022	4.5446	4.6591	4.9465	4.9782	6.8617	9.4303
RESIDUAL FUEL	.5012	.6760	.7119	.8556	1.7465	2.0614	1.9675	2.2173	2.2045	2.5204	3.6467
ROAD OIL	.9092	.9783	.9740	.9859	2.0510	2.0886	2.1708	2.1758	2.2212	2.5818	4.5696
OTHER PETROLEUM PRODUCTS	.7282	.7576	.7551	.9355	2.0341	2.2361	2.3887	2.6898	2.8327	3.9074	6.2121
ELECTRICITY	4.2389	4.4041	4.6297	4.8985	5.4783	6.6561	7.3579	7.5643	8.1083	8.9016	10.0359
TRANSPORTATION SECTOR											
ALL FUELS	2.4482	2.5406	2.4747	2.8202	3.9805	4.2039	4.3503	4.6548	4.7055	6.4565	8.8799
OTHER COAL	.6640	.4791	.7128	.7030	.9230	1.2848	1.2586	1.3642	.0000	.0000	.0000
NATURAL GAS	.2397	.2456	.2591	.2680	.2956	.4333	.5305	1.7183	2.0676	1.5894	4.3642
TOTAL PETROLEUM	2.5064	2.5892	2.5237	2.8667	4.0481	4.2651	4.3777	4.6759	4.7180	6.5117	8.9992
AVIATION GASOLINE	3.4553	3.5236	3.4986	3.7615	5.2408	5.6360	5.8299	6.4522	7.0471	9.7345	13.3954
DISTILLATE FUEL	1.3129	1.3300	1.3184	1.5973	2.4380	2.5921	2.7876	3.1987	3.3899	5.1001	7.2151
JET FUEL	.7741	.8133	.8104	.9615	1.6570	2.1615	2.4412	2.7631	2.9761	4.0641	6.6141
LPG	1.4537	1.5463	1.5513	1.6476	2.8638	2.8298	2.8785	3.7813	3.9413	4.1806	5.9898
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.6518	2.7674	2.6883	3.0735	4.3022	4.5446	4.6591	4.9465	4.9782	6.8617	9.4303
RESIDUAL FUEL	.4150	.5597	.5895	.7084	1.4461	1.7054	1.6645	1.8612	1.7269	2.3227	3.0327
ELECTRICITY	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
ELECTRIC UTILITIES											
ALL FUELS	.3950	.4014	.4335	.5198	.6921	.6686	.6833	.7685	.8854	1.0484	1.2242
OTHER COAL	.3870	.4310	.4650	.5906	.8872	.8051	.7767	.8747	1.0363	1.1448	1.3649
NATURAL GAS	.4188	.4364	.4406	.4644	.5736	.8238	1.1886	1.7473	1.9711	2.2760	2.9364
TOTAL PETROLEUM	.5541	.7038	.7572	1.0251	1.8696	2.0398	2.2571	2.5920	2.6375	3.5811	5.3510
DISTILLATE FUEL	.7583	.9915	.9080	1.2933	2.0096	2.2892	2.3089	2.6400	2.6629	3.7110	5.5768
JET FUEL	.0000	.0000	1.5748	1.6978	1.9018	2.4529	2.5718	2.6737	.0000	.0000	.0000
PETROLEUM COKE	.4400	.4600	.4800	.5100	.5500	.6000	.6300	.6700	.7200	1.0900	1.1700
RESIDUAL FUEL	.5559	.7238	.6638	.7898	1.5108	1.6512	1.6861	2.0046	2.0338	2.4565	4.2795
NUCLEAR POWER	.1750	.1515	.1511	.1963	.2249	.3232	.3349	.3204	.3400	.3712	.4812
WOOD AND WASTE	.8000	.0000	.0000	.0000	.0000	.0000	.0000	1.2200	1.3100	1.5000	1.8100

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE PRICES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: THE FOLLOWING FUEL SECTOR PRICES HAVE BEEN SUBSTITUTED (SEE THE DOCUMENTATION FOR THE DETAILS), COAL COMMERCIAL = COAL INDUSTRIAL, KEROSENE COMMERCIAL = KEROSENE INDUSTRIAL, LPG COMMERCIAL = LPG INDUSTRIAL, MOTOR GASOLINE COMMERCIAL = MOTOR GASOLINE TRANSPORTATION; JET FUEL INDUSTRIAL = JET FUEL TRANSPORTATION, MOTOR GASOLINE INDUSTRIAL = MOTOR GASOLINE TRANSPORTATION, OTHER PETROLEUM PRODUCTS INDUSTRIAL = DISTILLATE INDUSTRIAL UNITED STATES; COAL TRANSPORTATION = COAL INDUSTRIAL, LPG TRANSPORTATION = LPG INDUSTRIAL, LUBRICANTS TRANSPORTATION = LUBRICANTS INDUSTRIAL.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 154. Fuel Expenditures and Electricity Sales by Fuel Type, 1970-1980: Wyoming (Million Dollars)

ENERGY EXPENDITURES ALL SECTORS	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
COAL											
METALLURGICAL COAL	0	0	0	0	0	0	0	0	0	0	0
OTHER COAL	2	1	2	3	9	11	20	32	38	46	42
(INCLUDING ELECTRICITY GENERATION)	10	9	15	22	30	40	66	101	111	154	177
TOTAL COAL	2	1	2	3	9	11	20	32	38	46	42
(INCLUDING ELECTRICITY GENERATION)	10	9	15	22	30	40	66	101	111	154	177
NATURAL GAS											
TOTAL NATURAL GAS	36	41	47	39	40	54	66	92	125	185	151
(INCLUDING ELECTRICITY GENERATION)	37	41	47	39	40	54	67	94	127	186	152
PETROLEUM PRODUCTS											
ASPHALT AND ROAD OIL	4	7	6	6	7	7	8	15	21	17	28
AVIATION GASOLINE	2	3	3	3	4	5	6	7	9	14	7
DISTILLATE FUEL OIL	32	37	35	46	100	113	129	164	195	337	547
(INCLUDING ELECTRICITY GENERATION)	32	37	35	47	100	115	131	166	198	342	553
JET FUEL	1	1	1	1	2	2	2	2	3	5	6
(INCLUDING ELECTRICITY GENERATION)	1	1	1	1	2	2	2	2	3	5	6
KEROSENE	2	2	2	2	4	3	1	1	*	3	3
LIQUEFIED PETROLEUM GASES	13	14	17	19	21	26	28	29	32	48	56
LUBRICANTS	4	3	4	4	5	9	10	12	14	18	18
MOTOR GASOLINE	91	94	95	114	153	184	204	229	256	321	390
RESIDUAL FUEL	4	5	6	8	23	26	34	36	42	52	47
(INCLUDING ELECTRICITY GENERATION)	4	5	6	8	25	26	34	36	42	52	47
ALL OTHER PETROLEUM PRODUCTS	10	10	11	15	34	33	32	41	48	73	110
(INCLUDING ELECTRICITY GENERATION)	10	10	11	15	34	33	32	41	48	73	110
TOTAL PETROLEUM	164	176	178	218	354	408	454	538	621	888	1,212
(INCLUDING ELECTRICITY GENERATION)	164	176	179	219	356	409	455	540	624	892	1,218
NUCLEAR POWER, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
WOOD AND WASTE, ELECTRICITY GENERATION	0	0	0	0	0	0	0	0	0	0	0
ELECTRICITY SALES	48	51	56	61	67	72	81	97	123	139	156
TOTAL (INCLUDING ELECTRICITY SALES, EXCLUDING ELECTRICITY GENERATION)	250	268	283	320	470	544	621	759	907	1,258	1,562
TOTAL (EXCLUDING ELECTRICITY SALES, INCLUDING ELECTRICITY GENERATION)	211	226	241	280	426	503	588	735	863	1,233	1,548

* LESS THAN .5.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MIXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: THERE ARE NO PURCHASED FUEL EXPENDITURES FOR ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: DATA FOR 1980 DISTILLATE, KEROSENE, LPG, AND RESIDUAL FUEL PRICES ARE PRELIMINARY ESTIMATES.

NOTE: THE "ALL OTHER PETROLEUM PRODUCTS" CATEGORY INCLUDES NATURAL GASOLINE, UNFRACTIONATED STREAM, PLANT CONDENSATE, PETRO CHEMICAL FEEDSTOCKS, SPECIAL NAPHTHAS, PETROLEUM COKE (NOT CONSUMED IN ELECTRIC UTILITIES), STILL GAS, WAX, AND MISCELLANEOUS PRODUCTS. THE "(INCLUDING ELECTRICITY GENERATION)" CATEGORY INCLUDES PETROLEUM COKE FUEL EXPENDITURES FOR ELECTRIC UTILITIES.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE; THEREFORE, THE SUM OF ALL STATES WILL NOT EQUAL TOTAL U.S.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Table 155. Fuel Expenditures by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Wyoming (Million Dollars)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
TOTAL ENERGY	36.58	39.68	45.39	42.62	43.93	52.54	56.57	64.70	84.17	114.86	104.35
OTHER COAL	.03	.17	.30	.21	.28	.44	.83	1.34	2.34	4.45	1.63
NATURAL GAS (DRY)	12.75	14.30	16.52	10.64	10.54	13.47	14.92	19.27	29.52	39.67	26.56
TOTAL PETROLEUM	8.34	8.41	10.26	12.24	11.95	15.62	15.93	16.21	17.65	29.95	31.02
DISTILLATE FUEL	.09	.09	.10	.15	.26	.42	.44	.55	.65	1.02	.93
KEROSENE	.38	.43	.47	.46	.35	.21	.01	.01	.01	.26	.00
LPG	7.87	7.88	9.69	11.63	11.35	14.99	15.48	15.65	16.99	28.67	30.10
ELECTRICITY	15.46	16.80	18.31	19.53	21.16	23.02	24.89	27.87	34.65	40.79	45.13
COMMERCIAL SECTOR											
TOTAL ENERGY	21.39	23.33	26.47	26.24	31.20	28.62	31.13	41.70	49.21	63.49	69.93
OTHER COAL	.11	.08	.21	.13	.37	.58	.79	1.60	2.99	5.01	1.66
NATURAL GAS (DRY)	6.36	6.97	8.65	7.00	8.06	7.54	7.69	11.42	14.91	21.36	12.76
TOTAL PETROLEUM	3.21	3.41	3.38	3.88	5.41	6.15	7.00	7.56	8.82	10.74	26.56
DISTILLATE FUEL	.18	.19	.20	.31	.57	.90	.95	1.21	1.43	2.33	16.05
KEROSENE	.71	.80	.75	.91	1.09	.67	.02	.04	.04	.96	.98
LPG	.86	1.02	1.16	1.06	1.40	1.66	1.95	2.13	2.48	3.15	4.17
MOTOR GASOLINE	1.31	1.21	1.13	1.33	1.54	1.80	2.53	2.60	2.97	3.73	4.71
RESIDUAL FUEL	.15	.19	.15	.27	.81	1.13	1.55	1.58	1.90	.57	.65
ELECTRICITY	11.70	12.87	14.24	15.23	17.37	14.35	15.65	21.13	22.50	26.38	28.94
INDUSTRIAL SECTOR											
TOTAL ENERGY	78.84	85.08	92.17	105.69	178.92	219.18	259.79	339.22	398.76	565.72	707.08
METALLURGICAL COAL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
OTHER COAL	1.64	.79	1.82	2.21	8.65	10.27	18.58	29.05	32.18	36.05	39.16
NATURAL GAS (DRY)	15.86	17.82	20.62	19.54	19.36	29.81	38.67	56.92	69.95	109.60	100.34
TOTAL PETROLEUM	40.38	45.05	46.14	58.16	122.59	144.72	162.31	205.72	230.50	348.15	485.71
ASPHALT	3.77	4.66	4.91	4.85	6.79	6.91	7.82	12.83	19.39	16.53	27.81
DISTILLATE FUEL	8.94	9.41	9.09	14.92	37.49	51.46	61.01	79.38	93.40	171.16	257.22
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
KEROSENE	.74	.77	.79	1.02	2.15	1.80	1.24	1.42	.42	1.41	1.66
LPG	4.07	4.95	5.72	5.81	7.95	8.43	9.56	10.58	12.15	15.45	20.46
LUBRICANTS	1.09	.10	.10	.16	.22	2.58	2.86	3.41	3.73	4.90	5.10
MOTOR GASOLINE	8.49	9.80	9.51	9.26	13.50	14.82	15.61	21.24	10.73	13.48	16.75
RESIDUAL FUEL	2.87	3.49	4.29	6.50	19.87	24.98	31.44	33.71	40.54	51.63	46.33
ROAD OIL	.46	2.04	.91	.67	.65	.33	.63	2.32	1.78	.50	.35
OTHER PETROLEUM PRODUCTS	9.94	9.83	10.82	14.97	33.98	33.42	32.14	40.83	48.35	73.10	110.02
ELECTRICITY	20.97	21.42	23.59	25.79	28.33	34.38	40.23	47.54	66.14	71.92	81.86
TRANSPORTATION SECTOR											
TOTAL ENERGY	112.97	120.18	119.39	145.88	215.62	244.13	273.16	313.08	374.99	513.46	680.53
OTHER COAL	*	*	*	*	*	*	*	*	.00	.00	.00
NATURAL GAS (DRY)	1.04	1.44	1.07	2.08	1.86	2.96	4.63	4.76	10.56	14.13	11.60
TOTAL PETROLEUM	111.93	118.73	118.31	143.79	213.75	241.17	268.52	308.31	364.43	499.33	668.93
AVIATION GASOLINE	2.49	2.62	2.75	3.23	4.39	4.95	5.73	6.97	8.81	13.87	6.83
DISTILLATE FUEL	23.15	27.66	25.41	31.10	61.40	60.31	67.09	83.20	99.52	162.90	272.51
JET FUEL	.57	.60	.77	.91	1.58	1.55	1.82	2.44	3.12	4.64	6.38
LPG	.20	.24	.32	.30	.43	.45	.56	.57	.64	.82	1.08
LUBRICANTS	3.10	3.25	3.51	3.50	4.78	6.14	6.81	8.96	9.80	12.86	13.38
MOTOR GASOLINE	80.99	83.40	84.46	103.66	138.41	167.76	185.82	205.52	242.52	304.08	368.75
RESIDUAL FUEL	1.43	.96	1.09	1.09	2.77	.00	.69	.66	.01	.16	.00
ELECTRICITY	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
ELECTRIC UTILITIES											
TOTAL ENERGY	8.91	8.87	13.53	20.02	23.67	30.25	48.33	73.00	78.71	114.69	141.77
OTHER COAL	8.26	8.25	12.84	19.22	21.06	28.43	45.45	69.50	73.91	108.91	134.81
NATURAL GAS (DRY)	.56	.35	.23	.15	.39	.37	1.31	1.61	1.85	1.61	1.06
TOTAL PETROLEUM	.08	.27	.46	.65	2.22	1.45	1.56	1.88	2.95	4.16	5.90
DISTILLATE FUEL	.06	.07	.08	.21	.33	1.45	1.56	1.88	2.95	4.16	5.90
JET FUEL	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
PETROLEUM COKE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
RESIDUAL FUEL	.02	.20	.38	.44	1.89	.00	.00	.00	.00	.00	.00
NUCLEAR POWER	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
WOOD AND WASTE	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

* LESS THAN .005.

NOTE: EXCLUDES NET IMPORTS OF COAL COKE TO THE INDUSTRIAL SECTOR BY STATE.

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE EXPENDITURES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL SINCE THERE ARE NO ASSOCIATED FUEL COSTS FOR THESE ENERGY SOURCES.

NOTE: LIQUEFIED PETROLEUM GASES INCLUDE ETHANE, ETHYLENE, PROPANE, PROPYLENE, BUTYLENE, BUTANE-PROPANE MEXTURE, ETHANE-PROPANE MIXTURE, AND ISOBUTANE.

NOTE: COAL INCLUDES ANTHRACITE, BITUMINOUS, AND LIGNITE EXCEPT IN THE TRANSPORTATION SECTOR WHICH DOES NOT CONSUME ANTHRACITE.

NOTE: RESIDENTIAL, COMMERCIAL, INDUSTRIAL, AND TRANSPORTATION EXPENDITURES EXCLUDE ENERGY EXPENDITURES FOR WOOD AND WOOD WASTE.

NOTE: EXPENDITURES ON NET IMPORTS OF COAL COKE ARE NOT DISTRIBUTED BY STATE; THEREFORE, THE SUM OF THE TOTAL EXPENDITURES BY STATE WILL NOT EQUAL THE TOTAL U.S. EXPENDITURE.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, THE ENERGY, PRICE, AND EXPENDITURES DATA SYSTEM (EPEDS)

Table 156. Average Annual Fuel Prices by End-Use Sector, Electric Utilities, and Fuel Type, 1970-1980: Wyoming (Dollars per Million Btu)

END USE SECTOR (INCLUDING ELECTRIC UTILITIES)	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
RESIDENTIAL SECTOR											
ALL FUELS	1.4706	1.4680	1.4750	1.9904	2.3065	2.6755	2.8886	3.2846	3.4657	4.2372	5.2085
OTHER COAL	.1607	.6423	.8259	.9714	.9437	.9880	1.4123	1.2000	1.1650	1.4002	1.7129
NATURAL GAS	.6875	.7127	.7234	.7523	.8534	1.0888	1.2515	1.6948	2.0914	2.7045	2.6600
TOTAL PETROLEUM	2.0474	1.8797	1.9799	2.8006	3.2967	4.1318	4.1881	4.3486	4.2260	6.2875	7.2397
DISTILLATE FUEL	1.2341	1.3137	1.3184	1.5495	2.5046	2.8549	2.9444	3.2284	3.2560	4.6104	6.9207
KEROSENE	1.7020	1.7126	1.9727	2.1085	3.0847	3.1670	3.2523	3.6419	3.8760	5.1258	.0000
LPG	2.0832	1.8995	1.9905	2.8680	3.3275	4.2024	4.2390	4.4033	4.2750	6.3833	7.2500
ELECTRICITY	7.5081	7.5329	7.6598	7.2940	7.6349	7.5718	7.6212	8.0092	8.7028	9.0698	9.3809
COMMERCIAL SECTOR											
ALL FUELS	1.0980	1.1698	1.1259	1.3660	1.6073	1.7812	2.0072	2.5027	2.7509	3.1580	4.7295
OTHER COAL	.3014	.1725	.3144	.3168	.6760	.6968	.7195	.7685	.8006	.8492	.9361
NATURAL GAS	.4400	.4805	.4871	.5199	.5944	.7208	.8250	1.2780	1.8112	2.5551	2.5030
TOTAL PETROLEUM	1.3251	1.3338	1.3187	1.5429	2.6474	2.8632	3.0598	3.3956	3.3978	4.8283	6.5531
DISTILLATE FUEL	1.0382	1.0784	1.0772	1.3195	2.2751	2.5056	2.6431	2.9063	2.9654	4.3566	6.4697
KEROSENE	.8462	.8416	.8327	1.0982	2.5750	2.7144	2.8652	3.1795	3.4554	4.9816	7.5121
LPG	1.2958	1.3904	1.3444	1.4759	2.3293	2.6363	3.0223	3.4025	3.5292	3.9706	5.6919
MOTOR GASOLINE	2.9296	2.9680	2.7628	3.1477	4.2968	4.7727	4.9343	5.2763	5.5219	7.1583	8.7381
RESIDUAL FUEL	.4871	.6526	.7125	.8657	1.9778	2.1005	2.0318	2.3271	2.2051	3.1211	3.8081
ELECTRICITY	5.2598	5.3688	5.6284	5.4058	5.3211	5.4619	5.5902	6.1677	6.7592	7.2948	7.4915
INDUSTRIAL SECTOR											
ALL FUELS	.6108	.6421	.6470	.7485	1.2868	1.5251	1.6191	1.8821	2.0541	2.7356	3.7571
METALLURGICAL COAL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
OTHER COAL	.3014	.1725	.3144	.3168	.6760	.6968	.7195	.7685	.8006	.8492	.9361
NATURAL GAS	.2206	.2380	.2526	.2645	.3037	.4951	.6453	.9863	1.1954	1.7207	2.0341
TOTAL PETROLEUM	.8912	.9709	.9650	1.1081	2.2604	2.4612	2.5348	2.8114	2.8193	4.0546	5.9769
ASPHALT	.5717	.8205	.8195	.8310	1.6855	1.7952	1.6407	1.7492	1.9370	2.4470	3.6518
DISTILLATE FUEL	.7957	.7914	.7830	1.0327	2.4214	2.5183	2.6836	2.9915	3.1854	4.8439	7.0926
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
KEROSENE	.8462	.8416	.8327	1.0982	2.5750	2.7144	2.8652	3.1795	3.4554	4.9816	7.5121
LPG	1.2958	1.3904	1.3444	1.4759	2.3293	2.6363	3.0223	3.4025	3.5292	3.9706	5.6919
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.9296	2.9680	2.7628	3.1477	4.2968	4.7727	4.9343	5.2763	5.5219	7.1583	8.7381
RESIDUAL FUEL	.4763	.6382	.6967	.8466	1.9341	2.0541	2.0098	2.2583	2.1844	2.8037	3.4304
ROAD OIL	.6615	.7894	.8538	.9775	1.9476	1.9260	1.7125	1.8257	1.9431	2.4371	4.1150
OTHER PETROLEUM PRODUCTS	.7282	.7576	.7551	.9355	2.0341	2.2361	2.3887	2.6898	2.8327	3.9074	6.2121
ELECTRICITY	3.2403	3.2175	3.2590	3.2673	3.4191	3.4531	3.7714	4.1106	4.8421	4.8647	5.1920
TRANSPORTATION SECTOR											
ALL FUELS	1.9934	1.9674	1.9728	2.1947	3.1685	3.7296	3.8584	4.1940	4.4462	5.8677	7.7426
OTHER COAL	.3014	.1725	.3144	.3168	.6760	.6968	.7195	.7685	.0000	.0000	.0000
NATURAL GAS	.1705	.1754	.1720	.2341	.2410	.5514	.6893	.7396	1.4863	1.7080	1.9359
TOTAL PETROLEUM	2.2133	2.2464	2.1801	2.4981	3.5434	4.0140	4.1908	4.5201	4.7185	6.3021	8.1672
AVIATION GASOLINE	3.4553	3.5236	3.4986	3.7615	5.2408	5.6360	5.8299	6.4522	7.0471	9.4017	14.8098
DISTILLATE FUEL	1.2948	1.3111	1.2939	1.4947	2.5367	2.6769	2.8631	3.2051	3.3311	4.9496	7.3225
JET FUEL	.7978	.8385	.8356	.9911	1.7089	2.2289	2.4481	2.8428	3.0613	4.2809	6.9007
LPG	1.2958	1.3904	1.3444	1.4759	2.3293	2.6363	3.0223	3.4025	3.5292	3.9706	5.6919
LUBRICANTS	6.0300	5.9400	6.0000	6.0000	8.5500	9.3500	9.3300	9.8200	10.0000	12.5400	14.6500
MOTOR GASOLINE	2.9296	2.9680	2.7628	3.1477	4.2968	4.7727	4.9343	5.2763	5.5219	7.1583	8.7381
RESIDUAL FUEL	.4871	.6526	.7125	.8657	1.9778	.0000	2.0318	2.3271	2.2051	3.1211	.0000
ELECTRICITY	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
ELECTRIC UTILITIES											
ALL FUELS	.1446	.1561	.1765	.2044	.2337	.2597	.3040	.3617	.3992	.4916	.5944
OTHER COAL	.1400	.1500	.1710	.1983	.2119	.2464	.2881	.3467	.3778	.4697	.5678
NATURAL GAS	.2306	.2905	.2942	.3833	.5736	.7223	2.2903	2.0797	2.5134	3.2084	4.6087
TOTAL PETROLEUM	.5935	.4364	.5975	1.0423	1.8470	2.4370	2.5020	3.4010	3.5441	4.5825	6.9806
DISTILLATE FUEL	.8283	.6758	1.1279	1.2319	2.3430	2.4370	2.5020	3.4010	3.5441	4.5825	6.9806
JET FUEL	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
PETROLEUM COKE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
RESIDUAL FUEL	.2793	.3877	.5444	.9715	1.7818	.0000	.0000	.0000	.0000	.0000	.0000
NUCLEAR POWER	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
WOOD AND WASTE	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

NOTE: THE END USE SECTOR AND ELECTRIC UTILITIES CATEGORIES EXCLUDE PRICES ON ENERGY SOURCES SUCH AS HYDROPOWER, SOLAR, WIND, AND GEOTHERMAL.

NOTE: THE FOLLOWING FUEL SECTOR PRICES HAVE BEEN SUBSTITUTED (SEE THE DOCUMENTATION FOR THE DETAILS), COAL COMMERCIAL = COAL INDUSTRIAL, KEROSENE COMMERCIAL = KEROSENE INDUSTRIAL, LPG COMMERCIAL = LPG INDUSTRIAL, MOTOR GASOLINE COMMERCIAL = MOTOR GASOLINE TRANSPORTATION; JET FUEL INDUSTRIAL = JET FUEL TRANSPORTATION, MOTOR GASOLINE INDUSTRIAL = MOTOR GASOLINE TRANSPORTATION, OTHER PETROLEUM PRODUCTS INDUSTRIAL = DISTILLATE INDUSTRIAL UNITED STATES; COAL TRANSPORTATION = COAL INDUSTRIAL, LPG TRANSPORTATION = LPG INDUSTRIAL, LUBRICANTS TRANSPORTATION = LUBRICANTS INDUSTRIAL.

SOURCE: TRANSPORTATION, INDUSTRIAL, AND MODEL COORDINATION BRANCH, ENERGY END USE DIVISION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY INFORMATION ADMINISTRATION, ENERGY PRICE AND EXPENDITURES DATA SYSTEM (EPEDS).

Appendix A

Summary Documentation

DOE/EIA-0214(80)

State Energy Data Report

1960 through 1980

Energy Information Administration
Office of Energy Markets and End Use
U.S. Department of Energy

July 1982

DOE/NBB-0029
Volume 1 of 2 Volumes

State Energy Price System

Volume I: Overview and Tech Documentation

November 1982

Prepared for:
Energy Information Administr
Office of Energy Markets an
U.S. Department of Ene
Under Contract No. DE-

DOE/NBB-0029
Volume 2 of 2 Volumes

State Energy Price System

Volume II: Data Base Development

November 1982

Prepared for:
Energy Information Administration
Office of Energy Markets and End Use
U.S. Department of Energy
Under Contract No. DE-AC06-76RLO 1830

Appendix A

Summary Documentation

Introduction

The Energy Price and Expenditure Data System (EPEDS) was developed by combining state-level energy consumption and price data. The consumption data base used, the State Energy Data System (SEDS), has been publicly available since 1977. The price data base used, the State Energy Price System (STEPS), was recently developed and published by the Energy Information Administration. Both the SEDS and STEPS contain state-level data by fuel and by end-use sector.

EPEDS was developed by multiplying the STEPS price for a fuel in a specific sector by corresponding SEDS consumption data. When available, prices were taken directly from the STEPS and consumption estimates were taken from the SEDS. Of the 47 fuel/sector-specific expenditure series developed, there are 38 corresponding STEPS price series and 45 corresponding SEDS consumption series.

Notation Conventions

The Energy Price and Expenditure Data System (EPEDS) and the State Energy Data System (SEDS) were designed with descriptive variable names for each unique price, expenditure, or consumption data element. The variables that exist in the price portion of the EPEDS are all named by eight-digit variable names that have four components:

Characters	Identify
1 and 2	Type of energy
3 and 4	Sector of end-use price
5 and 6	Btu or physical unit data
7 and 8	Geographic area

All data series in the expenditure and SEDS systems are identified by seven-digit variable names that have four components:

Characters	Identify
1 and 2	Type of energy
3 and 4	End-use sector
5	Btu or physical unit data
6 and 7	Geographic area

Characters which identify the type of energy are listed below. The characters which describe fuel type in the SEDS sometimes vary from the characters in the price data base (STEPS). When this is the case, the fuel type and both variable characters are noted.

Energy Categories

Anthracite	AC
Asphalt	AS
Aviation Gasoline	AV
Bituminous Coal & Lignite	BC
Coking Coal	MC/CC
Steam Coal	SC
Coal	CL
Distillate Fuel	DF
Diesel	DL
Electricity	ES
Jet Fuel	JF
Kerosene	KS
LPG	LG
Lubricants	LU
Motor Gasoline	MG
Natural Gas	NG
Nuclear	NU
Minor Petroleum Products	PM
Petroleum Coke	PC
Road Oil	RD
Residual Fuel	RF
Wood and Waste	WW
New Imports of Coal Coke	NC

Note: The STEPS disaggregates coal into steam coal and metallurgical coal for the industrial sector. The characters used to identify steam coal are SC. Metallurgical coal is identified as CC. The SEDS does not have a metallurgical coal series. For preparing this system, the metallurgical coal consumption series was developed and is identified as MC. A steam coal consumption series was developed for the industrial sector and is identified as SC.

The end-use sector is identified by characters three and four of each variable name for the consumption and price variables, but only by the third character for expenditure data. Characters three and four for price differ slightly from the characters used for consumption. For expenditure variables, the fourth character is always an "E", to represent expenditures.

Table A1. End-Use Sector Acronyms

Sector	Consumption	Price	Expenditure
Residential	RC	RS	RE
Commercial	CC	CM	CE
Industrial	IC	IN or NI	IE
Transportation	AC	TR	AE
Electric Utilities	EU or EO	UT	EE

Source: Energy Information Administration, Energy Price and Expenditure Data System.

The industrial sector includes manufacturing, mining, construction, and agriculture. Most vehicle uses of fuel in the residential and commercial sectors are classified in the transportation sector. Any variation from these sectors will be noted in the discussions about each specific fuel type.

Special variable names were developed to represent the quantity-weighted average price for each sector. These variables are:

EARPBP = Residential average price
EACPBP = Commercial average price
EAIPBP = Industrial average price
EAAPBP = Transportation average price
EAEPBP = Electric Utility average price

The fifth character of the variable names is always one of the following three letters identifying the type of data:

- B = British thermal units (Btu)
- K = factor for converting physical unit data into Btu
- P = data in physical units (i.e., volume).

Many of the original data sources provided prices in physical units, (i.e., natural gas in dollars per thousand cubic feet, diesel fuel in dollars per gallon). Conversion factors necessary to develop prices in units of dollars per million Btu are listed in Appendix D. In this documentation, the consumption and price data are discussed in Btu terms.

The price variables have an additional character in the sixth position. Variables with a "P" in the sixth position represent price data.

The last two characters of each variable name (positions 7 and 8 for price and 6 and 7 for consumption and expenditures) are for geographic location, i.e., the 50 States, the District of Columbia, and the United States. Codes for each of these are listed in Table A2. In the variable names appearing in this documentation, these geographic characters have been omitted for ease of reading. Unless otherwise noted, each variable described exists for all States, the District of Columbia, and the United States.

Tables A3, A4, and A5 are matrixes which indicate the variables used in consumption (2), price (3), and expenditure data (4) disaggregated by fuel type and sector. Variable names in the matrixes reflect the sector and fuel for consumption and expenditures.

Table A2. State Name Codes (In State Code Order)

State	Code	State	Code
Alaska	AK	Montana	MT
Alabama	AL	North Carolina	NC
Arkansas	AR	North Dakota	ND
Arizona	AZ	Nebraska	NE
California	CA	New Hampshire	NH
Colorado	CO	New Jersey	NJ
Connecticut	CT	New Mexico	NM
District of Columbia	DC	Nevada	NV
Delaware	DE	New York	NY
Florida	FL	Ohio	OH
Georgia	GA	Oklahoma	OK
Hawaii	HI	Oregon	OR
Iowa	IA	Pennsylvania	PA
Idaho	ID	Rhode Island	RI
Illinois	IL	South Carolina	SC
Indiana	IN	South Dakota	SD
Kansas	KS	Tennessee	TN
Kentucky	KY	Texas	TX
Louisiana	LA	Utah	UT
Massachusetts	MA	Virginia	VA
Maryland	MD	Vermont	VT
Maine	ME	Washington	WA
Michigan	MI	Wisconsin	WI
Minnesota	MN	West Virginia	WV
Missouri	MO	Wyoming	WY
Mississippi	MS	United States	US

Note: These State name codes appear in positions 7 and 8 for price and 6 and 7 for consumption and expenditures in the EPEDS. These characters have been omitted in the variable name description appearing in this documentation.

Source: Energy Information Administration, Energy Price and Expenditure Data System.

Table A3. Consumption Variable Matrix

Fuel	Residential	Commercial	Industrial	Transportation	Electric Utility
Steam Coal	CLRCB	CLCCB	SCINB	BCACB	CLEUB
Metallurgical Coal ...	-	-	MCICB	-	-
Natural Gas	NGRCB	NGCCB	NGICB	NGACB	NGEUB
Asphalt	-	-	ASICB	-	-
Distillate	DFRCB	DFCCB	DFICB	DFACB	DFEUB
Jet Fuel	-	-	JFICB	JFACB	JFEUB
Kerosene	KSRCB	KSCCB	KSICB	-	-
LPG	LGRCB	LGCCB	LGICB	LGACB	-
Lubricants	-	-	LUICB	LUACB	-
Motor Gasoline	-	MGCCB	MGICB	MGACB	-
Residual	-	RFCCB	RFICB	RFACB	RFEUB
Road Oil	-	-	RDICB	-	-
Minor Petroleum Products Total	-	-	PMICB	-	-
Aviation Gasoline	-	-	-	AVACB	-
Nuclear	-	-	-	-	NUEOB
Wood/Waste	-	-	-	-	WWEOB
Electricity Sales	ESRCB	ESCCB	ESICB	ESACB	-
Net Imports Coal Coke	-	-	NCNIB	-	-
Total	TXRCB	TXCCB	TXINB	TXACB	TXECB
Total All Petroleum Products	PARCB	PACCB	PAICB	PAACB	PAECB

Source: Energy Information Administration/DOE/EIA-0214(80), State Energy Data Report.

Table A4. Price Variable Matrix

Fuel	Residential	Commercial	Industrial	Transportation	Electric Utility
Steam Coal	SCRSBP	SCCMBP	SCINBP	SCTRBP	SCUTBP
Metallurgical Coal	-	-	CCINBP	-	-
Natural Gas	NGRSBP	NGCMBP	NGINBP	NGTRBP	NGUTBP
Asphalt	-	-	ASINBP	-	-
Distillate	DFRSPB	DFCMBP	DFINBP	[a]DLTRBP	DFUTBP
Jet Fuel	-	-	JFINBP	JFTRBP	
Kerosene	KSRSBP	KSCMBP	KSINBP		[b]KSUTBP
LPG	LGRSBP	LGCMBP	LGINBP	LGTRBP	-
Lubricants	-	-	LUINBP	LUTRBP	-
Motor Gasoline	-	MGCMBP	MGINBP	MGTRBP	-
Residual	-	RFCMBP	RFINBP	RFTRBP	RFUTBP
Road Oil	-	-	RDINBP	-	-
Minor Petroleum Products Total	-	-	PMINBP	-	-
Electricity Sales	ESRSBP	ESCMBP	ESINBP	ESTRBP	-
Aviation Gasoline	-	-	-	AVTRBP	-
Petroleum Coke	-	-	-	-	PCUTBP
Nuclear	-	-	-	-	NUUTBP
Wood/Waste	-	-	-	-	WWUTBP
Net Imports Coal Coke	-	-	NCNIBP	-	-
Composite, (all fuels)	EARPBP	EACPBP	EAIPBP	EAAPBP	EAEPBP
Composite, (all petroleum products)	PARPBP	PACPBP	PAIPBP	PAAPBP	PAEPBP

[a]Distillate used by the transportation section is primarily made up of diesel. Therefore, a diesel price is used in developing the expenditures.
[b]Jet fuel used by electric utilities is primarily kerosene based. The majority of consumption is kerosene type jet fuel, but also includes some kerosene. See Section 5.4.

Note: " - " equals no variable name.

Source: Energy Information Administration, Energy Price and Expenditure Data System.

Table A5. Expenditure Variable Matrix

Fuel	Residential	Commercial	Industrial	Transportation	Electric Utility
Steam Coal	CLREB	CLCEB	SCIEB	CLAEB	CLEEB
Metallurgical Coal	-	-	MCIEB	-	-
Natural Gas	NGREB	NGCEB	NGIEB	NGAEB	NGEEB
Asphalt	-	-	ASIEB	-	-
Distillate	DFREB	DFCEB	DFIEB	DFAEB	DFEEB
Jet Fuel	-	-	JFIEB	JFAEB	JFEEB
Kerosene	KSREB	KSCEB	KSIEB	-	-
LPG	LGREB	LGCEB	LGIEB	LGAEB	-
Lubricants	-	-	LUIEB	LUAEB	-
Motor Gasoline	-	MGCEB	MGIEB	MGAEB	-
Residual	-	RFCEB	RFIEB	RFAEB	RFEEB
Road Oil	-	-	RDIEB	-	-
Minor Petroleum Products Total	-	-	PMIEB	-	-
Electricity Sales	ESREB	ESCEB	ESIEB	ESAEB	-
Aviation	-	-	-	AVAEB	-
Petroleum Coke	-	-	-	-	PCEEB
Nuclear	-	-	-	-	NUEEB
Wood/Waste	-	-	-	-	WWEEB
Net Imports Coal Coke .	-	-	NCENB	-	-
Total	TXREB	TXCEB	TXIEB	TXAEB	TXEEB
Total All Petroleum Products	PAREB	PACEB	PAIEB	PAAEB	PAEEB

Note: " - " equals no variable name.
Source: Energy Information Administration, Energy Price and Expenditure Data System.

The remainder of this appendix provides the reader with an overview of the SEDS consumption data, how the estimates of the prices were made, and how expenditures were calculated. The documentation is organized by type of energy, with all sectors discussed under each energy type. Specifically, each sector provides:

- description and sources of the data series used;
- a description and references for the consumption variables taken from the SEDS;
- a description of the method applied to create the price series from the input data;
- a discussion of conversion of physical to Btu prices or the reverse;
- calculation of expenditures and list of variables used; and
- notes on exceptions and special treatment of certain series.

Coal

EPEDS includes three types of coal:

- Metallurgical Coal
- Other (steam) Coal
- Net Imports of Coal Coke

Metallurgical coal is used in the industrial sector only. Other coal is used in all sectors. Net imports of coal coke are confined to the national sector and are discussed separately.

Expenditures for coal are disaggregated by metallurgical and steam coal. Steam and metallurgical coal are named according to their uses. Metallurgical coal is a high quality bituminous coal that is used to make coke and is also known as coking coal. Metallurgical coal is used only in the industrial sector. Steam coal includes anthracite, bituminous coal, and lignite that are burned for their heat, often to produce steam. Steam coal is used in all sectors and is referred to as "other coal."

Consumption

The SEDS data series does not distinguish metallurgical from steam coal. Metallurgical coal is found only in the industrial sector. Metallurgical coal is generally more expensive than steam coal. In order to reflect this price difference, the following methodology was employed to disaggregate the coal data in order to develop the expenditure series:

```
BCICB x MCSH  = MCICB
BCICB - MCICB = SCICB
SCICB + ACICB = SCINB
MCICB + SCINB = CLICB
```

Where:

BCICB = bituminous coal plus lignite consumed in the industrial sector
MCSH = share of total industrial sector coal deliveries accounted for by coking plants
MCICB = consumption of metallurgical coal
SCICB = other industrial bituminous coal and lignite
ACICB = consumption of anthracite
SCINB = total other industrial coal use including anthracite
CLICB = total industrial coal use (metallurgical plus steam coal)

The metallurgical coal share for each year was taken from the Energy Data Report, "Bituminous and Sub-bituminous Coal and Lignite Distribution Report" series, published by the Energy Information Administration. The consumption variables for all other sectors were taken from the SEDS. The documentation may be found in Section 4, on page 497 of the State Energy Data Report.

The consumption series for coal is:

CLRCB = residential consumption of coal
CLCCB = MCICB = commercial consumption of coal
MCICB = total consumption of metallurgical coal
SCINB = total other industrial coal use
CLEUB = electric utility consumption of coal
BCACB = transportation consumption of coal

Prices

Prices for metallurgical and other coal are developed separately.

Metallurgical Coal. The metallurgical coal price series is for the industrial sector only. The prices, in dollars per ton, are taken directly from Coke and Coal Chemicals, published by the Energy Information Administration.

Prices reported for groups of States are assigned equally and identically to each of the States in the group. The groupings are as follows:

- California, Colorado, Utah
- Kentucky, Missouri, Tennessee, Texas
- Maryland, New York
- Michigan, Wisconsin
- Virginia, West Virginia.

Prices in Dollars per Million Btu. Physical unit prices are converted to dollars per million Btu using a conversion factor of 26 million Btu per ton of coal.

The price series of metallurgical coal, in dollars per million Btu, is:

MCINBP = industrial metallurgical coal price

Other Coal

Retail price series were developed for the residential, commercial, industrial, and electric utility sectors. While some commercial coal use is reported in the State Energy Data Report, no commercial price data are available. Therefore, the industrial price was assigned to the commercial sector. The transportation sector price is also assigned the industrial price.

Prices in Dollars per Million Btu.

- Electric Utility

  The electric utility sector price series is the most complete of the sectors. Since the electric utility sector price series is used to estimate some of the data points for other sectors, it is explained first.

  State-level electric utility coal prices for 1970-1972 are taken directly from the Edison Electric Institute, Statistical Year Book of the Electricity Industry. The prices for 1973-1980 are calculated as the average cost per ton of coal purchased by electric utility plants within each State. Plant level data are taken from the Energy Information Administration's Cost and Quality of Fuels for Electric Utility Plants. This report covers only those plants with a capacity of 25 megawatts or greater.

- Residential Sector

  The residential sector data are available directly by city or utility for 1971-1978 only from the American Gas Association series, Gas Househeating Survey. The 1971-1978 prices are calculated as a simple average of the city/utility price observations in each State.

  The residential sector prices for 1970, 1979, and 1980 were estimated based on the relationship between 1971-1978 calculated prices and spot prices for 1973-1978 from the Cost and Quality of Fuels for Electric Utility Plants.

- Industrial Sector

  Due to the lack of a complete data series, industrial sector prices are developed in three segments. Prices for 1971 and 1974-1977 for all States available were taken from the Annual Survey of Manufactures and Census of Manufactures, published by the Bureau of the Census. Industrial prices for 1970, 1972, and 1973, as well as for all States not available for other years, were estimated based on electric utility prices and regression equations.

  Prices for 1978 were taken from the Annual Survey of Manufactures for the States available. These 1978 prices were supplemented with prices for States from the Energy Information Administration's Quarterly Coal Consumption Report--Manufacturing Plants. The 1979-1980 prices were taken from the Coal Consumption Report--Manufacturing Plants for States available. Missing State data for 1978-1980 were estimated using simple averages of adjacent States.

  The price series for other (steam) coal, in dollars per million Btu, is:

  SCRSBP = other coal price in the residential sector
  SCINBP = other coal price in the industrial sector
  SCCMBP = other coal price in the commercial sector
  SCTRBP = other coal price in the transportation sector
  SCUTBP = other coal price in the electric utility sector

- Conversion to Dollars per ton

  Prices per million Btu are converted to dollars per ton using the conversion factor from the Energy Information Administration's Monthly Energy Review for all sectors except electric utilities. Utility sector price data include physical units.

Expenditures Calculations

Expenditures for coal in the residential, commercial, transportation, and electric utility sectors equal the consumption of steam coal in each of these sectors in each State, multiplied by the price of steam coal in each of these sectors in each State.

Expenditures for steam coal in the industrial sector equal the consumption of steam coal multiplied by the price for the industrial sector of each State. Expenditures for metallurgical coal in the industrial sector in each State equal the consumption of metallurgical coal multiplied by the price of metallurgical coal in the industrial sector of each State.

Sector	Variable Calculation
Residential (R)	CLREB = SCRSBP x CLRCB
Commercial (C)	CLCEB = SCCMBP x CLCCB
Industrial (I)	
Metallurgical Coal	MCIEB = MCINBP x MCICB
Steam Coal	SCIEB = SCINBP x SCICB
Transportation (A)	CLAEB = SCTRBP x BCACB
Electric Utility (E)	CLEEB = SCUTBP x CLEUB

Notes

(1) For 1976 and 1977, metallurgical coal prices were not available for Virginia. The Census Division 5 price was assigned for these years.

(2) Electric utility prices for Alaska are taken from the Edison Electric Institute's Statistical Year Book of the Electric Industry. Remaining years' missing data are estimated by assuming that the ratio of the Alaska and U.S. price is the same in the missing years as it is on average for the years when data are available.

(3) Residential 1971-1978 Maryland prices are assigned to the District of Columbia.

(4) For the 1971-1978 residential sector, a simple average of price observations in Connecticut, Massachusetts, New Hampshire, Rhode Island, and Vermont is assigned to these States.

(5) Alaskan industrial steam coal prices are developed assuming that the ratio of the State price to the U.S. price for the industrial sector is the same as is found in the utility sector, for 1970-1977.

(6) Complete steam coal price data were not available for several States in which consumption was small or negligible. The Census Division average price was assigned to those States for the sectors and years listed in Table A6.

(7) The specific methodology used to calculate steam coal prices may be found in Section 4.4 of the report State Energy Price System, Volume One: Overview and Technical Documentation.

Table A6. Assigned Steam Coal Census Division Prices

Sector/State	Years	Assigned Census Division Price
Residential		
Alaska	1970-1977	[a]9
Arkansas	1977-1979	[b]6
California	1970-1972, 1974, 1978-1980	[a]9
Florida	1980	5
Idaho	1972, 1979-1980	8
Louisiana	1980	[c]6
Maine	1970-1980	1
Minnesota	1971-1972	4
Mississippi ...	1978-1980	6
Montana	1972	8
North Dakota ..	1972	4
Nebraska	1971-1972, 1975	4
New Mexico	1970-1971, 1979-1980	8
Nevada	1972	8
Oklahoma	1970-1980	[c]8
Oregon	1970-1980	[a]9
South Dakota ..	1971-1972	4
Texas	1970-1974, 1977, 1979-1980	[c]8
Utah	1972, 1979-1980	8
Washington	1972	[a]8
Wyoming	1972	8
Commercial		
Rhode Island ..	1970-1980	1
Industrial		
Arkansas	1971-1972	7
Rhode Island ..	1970-1980	1
Transportation		
Arkansas	1971-1972	7
Rhode Island ..	1975-1976	1

[a]No Census Division 9 price was available for 1972; the Census Division 8 price was assigned for 1972.
[b]No Census Division 8 price was available for these years.
[c]No Census Division 7 price was available.

Source: Energy Information Administration, Energy Price and Expenditure Data System.

Net Imports of Coal Coke

Net imports of coal coke is a component of total U.S. energy consumption. There is no attempt in the SEDS to estimate State allocations. The coal coke price and expenditures developed in the EPEDS are included in the U.S. totals only.

Consumption

The consumption is taken from the SEDS. The methodology may be found in Section 4, page 507 of the State Energy Data Report.

CCNIBUS = net imports of coal coke (U.S.)

Prices

The average U.S. price for coal coke imports was obtained from the Department of Commerce report, U.S. Imports for Consumption and General Imports, Schedules B and C, FU 246, and U.S. Exports, Schedule E, Commodity by Country (FAS Value, FT 410).

In these reports, the quantity and value are reported. For the years 1970-1973, an export value was used, since U.S. imports of coal coke were negative for these years. The export value is equivalent to the FAS (free alongside ships) value at the U.S port of export, based on a transaction price, including inland freight, insurance, and other charges incurred in placing the merchandise along side the carrier at the U.S. port of exportation. The value excludes the cost of loading the merchandise aboard the exporting carrier and also excludes freight insurance and any other charges or transportation costs beyond the port of exportation.

The import value reported for the years 1974-1980 is the CIF (cost, insurance freight) value and represents the value of imports at the first port of entry in the U.S. It is based on the purchase price and includes all freight insurance, and other charges (excluding U.S. import duties) incurred in bringing the merchandise from the country of exportation and placing it alongside the carrier at the first port of entry in the United States.

The price of net imports of coal coke, in dollars per million Btu, is represented as:

NCNIBPUS = price of net imports of coal coke (U.S.)

Expenditures Calculations

The expenditures for net imports of coal coke are calculated as consumption multiplied by the price of net imports of coal coke.

NCNEBUS = CCNIBUS x NCNIBPUS

Electricity

Prices for electricity are retail prices plus State and local taxes for sales of electricity to ultimate users. Consumption is based on sales by utilities to ultimate users.

Consumption

Electricity consumption data for the industrial, residential, and commercial sectors were taken directly from the SEDS. The methodology is found in Section 5.B, page 513 of the State Energy Data Report for

these sectors. A separate methodology was developed for transportation uses of electricity to capture the shifts in electrical use in that sector over time. Electricity consumption in the transportation sector was calculated differently from the methodology in the SEDS. Total electricity consumed by the transportation sector by State was derived by developing a coefficient that represents the percentage of electric energy sales to "railroads and railways" as reported in Table 22S of the Edison Electric Institute's Statistical Yearbook of the Electric Utility Industry. This coefficient was then multiplied by total U.S. electric energy consumption for 1970 through 1980 and reported in MMBtu and billion kWh for each State as reported in the SEDS.

The consumption series variables for electricity are:

ESRCB = residential consumption of electricity
ESCCB = commercial consumption of electricity
ESICB = industrial consumption of electricity
ESACB = transportation consumption of electricity

Prices

Prices in Dollars per kWh

The electricity price series for the commercial, residential, industrial, and transportation sectors are calculated in two steps. First, the average revenue per unit of sales by the electric utilities within each State is computed from revenue and sales data published by the Edison Electric Institute in the series Statistical Yearbook of the Electric Utility Industry. The prices are retail prices. The components on the State level are combined as closely as possible into the five major end-use sectors (see Note 1 at end of Appendix).

These State prices are then adjusted so that the U.S. average electricity price by end-use sector equals the price reported in the 1980 Annual Report to Congress, Volume Two: Data. The adjustment ratio was determined by dividing the sector 1980 Annual Report to Congress published price by the sector price published in the State Energy Price System, Volume One: Overview and Technical Documentation.

Conversion to Dollars per Million Btu

Prices in units of dollars per million Btu are derived by applying the conversion factor obtained from the Monthly Energy Review published by the Energy Information Administration, to the physical unit prices. The price series for each State, in dollars per million Btu, are:

ESRSBP = residential electric price
ESCMBP = commercial electricity price
ESINBP = industrial electricity price
ESTRBP = transportation electricity price

The U.S. average price is calculated as the weighted average of the State prices.

Expenditures Calculations

Expenditures in each sector and State equal the price of electricity in each sector and State multiplied by the consumption of electricity in each sector and State.

(1)	Residential (R)	ESREB = ESRSBP x ESRCB
(2)	Commercial (C)	ESCEB = ESCMBP x ESCCB
(3)	Industrial (I)	ESIEB = ESINBP x ESICB
(4)	Transportation (A)	ESAEB = ESTRBP x ESACB

Notes

(1) The Maryland and District of Columbia electric energy sales figures for the transportation sector, which are combined in the original source document, were split based on electricity usage by the Washington Metropolitan Area Transit Authority reported to the Potomac Electric Power Company. The usage ratio was 81 percent in the District of Columbia and 19 percent in Maryland.

(2) In the original price source document, commercial data are defined as "commercial (small light and power)," "street and highway lighting," "other public authorities," and "inter-departmental." Industrial data are also referred to as "large light and power."

(3) Prices for Maryland are assigned to Washington, D.C.

(4) A Nebraska 1980 transportation sector electricity price was not available. The Census Division 4 price was assigned.

(5) The specific methodology used to calculate electricity prices may be found in Section 4.1 of the report, State Energy Price System, Volume One: Overview and Technical Documentation.

Natural Gas

Data on natural gas consumption by State and sector are taken directly from the SEDS. Natural gas prices were developed from data on revenue and sales.

Consumption

The consumption series for natural gas was developed in the SEDS. The methodology is found in Section 3, page 493 of the State Energy Data Report.

NCRCB = residential consumption of natural gas
NGCCB = commercial consumption of natural gas
NGICB = industrial consumption of natural gas
NGACB = transportation consumption of natural gas
NGEUB = electric utility consumption of natural gas

Prices

Prices in Dollars per Million Btu

All natural gas prices for the residential, commercial, industrial, and transportation sectors are calculated as the average revenue per unit of sales by the natural gas utilities for each State. They are computed from revenue and volume data published yearly in the Energy Information Administration's Natural Gas Production and Consumption Annual.

The price series, in dollars per million Btu, is:

NCRSBP = residential price of natural gas
NGCMBP = commercial price of natural gas
NGINBP = industrial price of natural gas
NGTRBP = transportation price of natural gas
NCUTBP = electric utility price of natural gas

The U.S. average price is calculated as the weighted average of the State prices.

The components at the State level are combined as closely as possible into the five major end-use sectors (see Note 2).

Conversion to Dollars per Thousand Cubic Feet

Annual state-level factors to convert the price of natural gas from units of dollars per million Btu to units of dollars per thousand cubic feet for all sectors except electric utilities, were taken from Gas Facts published by the American Gas Association through 1979. For 1980, conversion factors were taken from Natural Gas Production and Consumption Annual. Gas Facts data were used for electric utilities prior to the 1973; for 1973-1980, conversion factors were not needed.

Expenditures Calculations

For each State, expenditures on natural gas in each sector equals the price of natural gas multiplied by the consumption of natural gas in each sector.

(1)	Residential (R)	NGREB = NGRSBP x NGRCB
(2)	Commercial (C)	NGCEB = NGCMBP x NGCCB
(3)	Industrial (I)	NBIEB = NGINBP x NGICB
(4)	Transportation (A)	NGAEB = NGTRBP x NGACB
(5)	Electric Utility (E)	NGEEB = NGUTBP x NGEUB

Notes

(1) Consumption source data are available only in combined form for Maryland and the District of Columbia. For all years, 84.8 percent is allocated to Maryland and 15.2 percent to the District of Columbia.

(2) For 1967-1972, revenue and volume data are reported as composites for Maryland and Washington, D.C., and for Maine, New Hampshire, and Vermont. These composites are allocated to the States using sector data from Gas Facts.

(3) Complete natural gas price data were not available for several States in which consumption was small or negligible. The Census Division average price was assigned to those States for the sectors and years listed below in Table A7.

(4) The specific methodology used to calculate natural gas prices may be found in Section 4.2 of the report State Energy Price System, Volume One: Overview and Technical Documentation.

Table A7. Assigned Natural Gas Census Division Prices

Sector/State	Year	Census Division
Transportation		
District of Columbia	1980	5
Vermont	1980	1
Electric Utility		
Alaska	1973-1976	9
Connecticut	1974-1976	1
Maryland	1973	5
North Dakota	1973-1974, 1977-1980	4
New Hampshire	1973	1
Pennsylvania	1973	2
Rhode Island	1976, 1980	1
South Carolina	1977	5
Tennessee	1976, 1980	6
Washington	1978	9
Wyoming	1973, 1975	8

Source: Energy Information Administration, Energy Price and Expenditure Data System.

Distillate Fuel Oil

The distillate fuel expenditure series was developed for each end use sector. All distillate fuel in the transportation sector is assumed to be diesel.

Consumption

The consumption series for distillate fuel was developed in the SEDS. The methodology is found in Section 2, page 445 of the State Energy Data Report.

DFRCB = residential consumption of distillate fuel
DFCCB = commercial consumption of distillate fuel
DFICB = industrial consumption of distillate fuel
DFACB = transportation consumption of distillate fuel
DFEUB = electric utility consumption of distillate fuel

Prices

Price in Dollars per Gallon. Prices for each sector were developed separately, using a number of sources. Each sector will be described separately.

Residential. Residential 1978-1980 prices for the 23 States in Federal Regions 1, 2, 3, 5, and 10; and Washington, D.C. were developed from monthly prices published by the Energy Information Administration (EIA) in Prices and Margins of Number 2 Distillate Fuel Oil. For States in Federal Regions 4, 7, 8, and 9, only regional average monthly prices are available. State prices were estimated using city prices from the McGraw-Hill, Inc., publication, Platt's Oil Price Handbook and Oilmanac. Prices were assigned to States and scaled to equal the regional prices from EIA's Prices and Margins of Number 2 Distillate Fuel Oil for the States in Federal Regions 4, 6, 7, 8, and 9.

For 1975-1977, state-level prices are developed using city prices from Platt's Oil Price Handbook and Oilmanac and scaled to equal Census region

level prices available from the Monthly Petroleum Product Price Report, published by the Energy Information Administration. No average regional price data were available for 1970-1974. State-level prices were estimated based on the average U.S. residential price and the relationship of States to U.S. prices for later years.

Commercial. Commercial sector prices for all years are estimated using the residential sector prices, Energy Prices, by Foster Associates, and Platt's Oil Price Handbook and Oilmanac. Data from Energy Prices and the residential sector prices were compared to prices from Platt's Oil Price Handbook and Oilmanac, to calculate the average markups for the commercial and residential sectors for 1970-1972. Commercial prices are then calculated as the Oilmanac price (or residential price, when the Oilmanac is not available) plus the markup.

Industrial. Industrial prices for 1971 and 1974-1979 were calculated from sales and volume data taken from the Bureau of the Census publications, Annual Survey of Manufactures and Census of Manufactures. Missing prices are estimated by relating the State industrial prices to the U.S. residential price.

For 1970 and 1972-1973, industrial prices were estimated using the 1971 ratio of Platt's Oil Price Handbook and Oilmanac wholesale prices to State retail prices as the markup. For 1980, the average ratio of 1974-1978 retail distillate fuel prices to the Oilmanac wholesale prices is used to estimate prices.

Electric Utility. Electric utility prices for 1973-1980 for States for which data were available were calculated as the average cost taken from Cost and Quality of Fuels for Electric Utility Plants, Energy Information Administration. Prices for all States for 1970-1972 and for missing 1973 State data were calculated from the Statistical Year Book of the Electric Utility Industry published by the Edison Electric Institute.

Transportation. The diesel price series was developed from quarterly prices for 1970-1976 and monthly prices from Agricultural Prices, published by the U.S. Department of Agriculture. The annual average price for each State was calculated as the volume-weighted average, utilizing volume data from Highway Statistics, published by the U.S. Department of Transportation.

Conversion to Dollars per Million Btu. Physical unit prices for the residential, commercial, transportation, and industrial sectors are converted to dollars per million Btu using the conversion factor from the Monthly Energy Review, published by the Energy Information Administration.

Conversion factors for the electric utility sector were not needed; factors are implicit in the data.

The price series, in dollars per million Btu, is:

DFRSBP = residential distillate price
DFCMBP = commercial distillate price
DFINBP = industrial distillate price
DFUTBP = electric utility distillate price
DLTRBP = transportation diesel fuel price

Expenditures Calculations

Expenditures for distillate fuel in the residential, commercial, industrial, and electric utility sectors equal the price of distillate fuel in these sectors multiplied by the consumption of distillate fuel in these sectors for each State.

The expenditures for distillate fuel in the transportation sector equal the price of diesel fuel in the transportation sector multiplied by the consumption of diesel fuel in the transportation sector for each State.

Residential (R)	DFREB = DFRSBP x DFRCB
Commercial (C)	DFCEB = DFCMBP x DFCCB
Industrial (I)	DFIEB = DFINBP x DFICB
Transportation (A)	DFAEB = DLTRBP x DFACB
Electric Utility (E)	DFEEB = DFUTBP x DFEUB

Notes

(1) Prior to 1979, the EIA collected information on distillate fuel through a survey whose end-use categories differ from the post-1979 survey. See the State Energy Data Report for a description of the methodology used to present a comparable series for pre-1979 and post-1979 data.

(2) Consumption of distillate fuel in the transportation sector actually includes some distillate fuel used for vessel bunkering, military and railroad use, plus on-highway diesel fuel. Since on-highway diesel fuel use comprises the largest portion of this consumption variable, expenditures were calculated using a diesel price.

(3) Complete distillate price data were not available for several States in which SEDS consumption was small or negligible. The Census Division's average price was assigned to those States, sectors, and years listed in Table A8. (Census Divisions are defined in Table D3, Appendix D.)

(4) The specific methodology and regression equations used to calculate distillate prices may be found in Section 4.5 and 4.7 of the State Energy Price System, Volume One: Overview and Technical Documentation.

Table A8. Assigned Distillate Fuel Oil Census Division Prices

Sector/State	Year	Census Division
Transportation		
Alaska	1970-1980	9
Electric Utility		
Idaho	1970-1973, 1976	8
Montana	1975	8
New Hampshire	1974	1
Rhode Island	1980	1
South Dakota	1974	4
Vermont	1978	1
Washington	1975-1977	9

Source: Energy Information Administration, Energy Price and Expenditure Data System.

Motor Gasoline

Motor gasoline used by the residential sector was included in the transportation sector. The motor gasoline price series, which was

developed for the transportation sector, has also been assigned to the commercial and industrial sectors. No consumption of motor gasoline is documented for the electric utilities sector.

Consumption

The consumption series for motor gasoline was developed in the SEDS. The methodology may be found in Section 2, page 472 of the State Energy Data Report.

MGCCB = commercial consumption of motor gasoline
MGICB = industrial consumption of motor gasoline
MGACB = transportation consumption of motor gasoline

Prices

The motor gasoline price series was developed for the transportation sector only. This price is assigned to the commercial and industrial sectors as well.

Prices in Dollars per Gallon. Annual composite motor gasoline prices were developed from monthly city product prices obtained from the Consumer Price Index, published by the U.S. Department of Labor, and Platt's Oil Price Handbook and Oilmanac, published by McGraw-Hill, Inc. The developed composite price for each State represents a weighted average of the prices of each product type (leaded, regular, leaded premium, unleaded regular, and unleaded premium). The monthly city (or SMSA) prices were assigned to the States, and state-annual prices were developed. The U.S. average price is calculated as the weighted average of the State prices.

Conversion to Dollars per Million Btu. Physical unit prices are converted to prices in units of dollars per million Btu using a conversion factor from the Energy Information Administration's publication series Monthly Energy Review. The price series, in dollars per million Btu, is:

MGTRBP = transportation motor gasoline price
MGINBP = industrial motor gasoline price
MGCMBP = commercial motor gasoline price

Expenditures Calculations

Expenditures for motor gasoline in the commercial, industrial, and transportation sectors of each State are equal to the consumption of motor gasoline in each of these sectors multiplied by the price of the motor gasoline in each of these sectors in each State.

Commercial (C)	MGCEB = MGCMBP x MGCCB
Industrial (I)	MGIEB = MGINBP x MGICB
Transportation (A)	MGAEB = MGTRBP x MGACB

Notes

(1) Motor gasoline usage in the commercial sector is the sum of nonhighway usage in the construction industry, public nonhighway usage, miscellaneous nonhighway usage, and unclassified nonhighway usage.

(2) Motor gasoline usage in the industrial sector is the sum of nonhighway agricultural usage and nonhighway industrial and commercial usage.

(3) Motor gasoline usage in the transportation sector is the sum of highway and marine usage less usage of special fuels.

(4) Hawaii prices for 1970-1973, and Alaska prices for 1970 to 1977 were estimated based on the average relationship between the State and national prices for years when the data were available.

(5) For 1979-1980, prices were estimated based on the Consumer Price Index Census region price for the following States: Arkansas, Delaware, Maine, Mississippi, Montana, North Dakota, New Hampshire, Rhode Island, South Carolina, South Dakota, Vermont, West Virginia, and Wyoming.

(6) A more detailed description of the methodology used to calculate motor gasoline may be found in Section 4.6 of the report State Energy Price System, Volume One: Overview and Technical Documentation.

Kerosene

Kerosene expenditure data series were developed for the residential, commercial, and industrial sectors.

Consumption

The consumption series for kerosene was developed in the SEDS. The methodology may be found in Section 2, page 548 of the State Energy Data Report.

KSRCB = residential consumption of kerosene
KSCCB = commercial consumption of kerosene
KSICB = industrial consumption of kerosene

Prices

The kerosene price series were developed for the residential and industrial sectors. The commercial sector was assigned the industrial sector price.

Prices in Dollars per Gallon. The price series for each sector was developed separately.

Residential. Kerosene prices for the residential sector from 1970-1976 were developed from monthly kerosene prices from Agricultural Prices published by the U.S. Department of Agriculture. For 1977-1980, prices were estimated from the monthly index from Producer Prices and Price Indexes Annual Supplement, published by the Bureau of Labor Statistics, U.S. Department of Commerce.

Industrial. The industrial sector prices for all years were estimated from Producer Prices and Price Indexes - Annual Supplement and the industrial distillate fuel price series discussed previously. Distillate prices were used as a base to develop price ratios between kerosene and distillate oil prices to estimate State data.

Conversion to Dollars per Million Btu. Physical unit prices for all sectors are converted to dollars per million Btu using the conversion factor from the Monthly Energy Review.

The price series, in dollars per million Btu, is:

KSRSBP = residential kerosene price
KSINBP = industrial kerosene price
KSCMBP = commercial kerosene price

Expenditures Calculations

Expenditures for kerosene in the residential, commercial, and industrial sectors are equal to the price of kerosene in each of these sectors in each State multiplied by the consumption of kerosene in each of these sectors in each State.

Residential (R)	KSREB = KSRSBP x KSRCB
Commercial (C)	KSCEB = KSINBP x KSCCB
Industrial (I)	KSIEB = KSCMBP x KSICB

Notes

(1) In 1979, the EIA implemented a new form for reporting deliveries of kerosene data. The reclassification of the data resulted in some end-use categories which were no longer comparable with those in previous surveys. The pre-1979 delivery category called "heating" is related to the sum of "residential," "commercial," and "industrial" in 1979. See the State Energy Data Report for the adjustment methodology used to present a comparable pre-1979 and post-1979 data series.

(2) Missing 1972 residential sector prices for Nevada are estimated based on the relationship to the national price in previous years. Alaska is assigned the Census Division 9 residential average price for 1970-1980.

(3) The specific methodology and regression equations used to calculate kerosene prices may be found in Section 4.8 of the report, State Energy Price System, Volume One: Overview and Technical Documentation.

Liquefied Petroleum Gas (LPG)

LPG consumption includes ethane (including ethylene), propane (including propylene), butane (including butylene), butane-propane mixture, ethane-propane mixture, and isobutane.

Consumption

The LPG consumption series was developed in the SEDS. The methodology may be found in Section 2, page 462, of the State Energy Data Report.

LGRCB = residential consumption of LPG
LGCCB = commercial consumption of LPG
LGICB = industrial consumption of LPG
LGACB = transportation consumption of LPG

Prices

Prices were developed for the residential and industrial sectors. The transportation and commercial sectors were assigned the industrial LPG price series.

Prices in Dollars per Million Btu. Residential 1971-1980 LPG prices were estimated using a simple average of the prices of the cities located in each State taken from the American Gas Association's Gas Househeating Survey. For 1970, prices are estimated based on the relationship between prices from the Gas Househeating Survey and Agricultural Prices, published by the U.S. Department of Agriculture, for 1971 and 1972.

Industrial prices for 1978 and 1979 were taken from the Annual Survey of Manufactures, U.S. Bureau of the Census. Prices for 1970-1977 and 1980 were estimated for all States except Alaska and Hawaii, based on the relationship of Agricultural Prices to the LPG industrial prices for 1978 and 1979.

U.S. prices are calculated as the volume-weighted average of State prices.

The price series, in dollars per million Btu are:

LGRSBP = residential LPG price
LGINBP = industrial LPG price
LGCMBP = commercial LPG price
LGTRBP = transportation LPG price

Conversion to Dollars per Gallon. Prices in units of dollars per million Btu are converted to units of dollars per gallon using the following sources:

Residential	1970-1978	Gas Househeating Survey
	1979-1980	Gas Househeating Survey
Industrial	1970-1972	State Energy Data Report
	1973-1980	Monthly Energy Review

Expenditures Calculations

Expenditures for LPG in the residential, industrial, and transportation sectors equal the consumption of LPG in these sectors in each State multiplied by the price of LPG in these sectors in each State.

Residential (R)	LGREB = LGRSBP x LGRCB
Commercial (C)	LGCEB = LGCMBP x LGCCB
Industrial (I)	LGIEB = LGINBP x LGICB
Transportation (A)	LGAEB = LGTRBP x LGACB

Notes

(1) Very little information exists for allocating the residential and commercial use of LPG to the individual sectors. (Sales were collected on a nationwide inventory.) SEDS applies an 85 percent residential and 15 percent commercial split for all States and all years.

(2) For LPG for internal combustion engine fuel use, the SEDS applies a 16 percent split to the transportation sector (i.e., for buses and trucks) and an 84 percent split to the industrial sector.

(3) Sales for Maryland and the District of Columbia were found only in a combined form. See the State Energy Data Report for the disaggregation.

(4) Complete LPG price data were not available for several States where consumption was small. These prices were estimated using different methods in order to provide the most reasonable price possible. The States, sectors, years, and method of estimation are listed in Table A9.

(5) A more detailed description of the methodology used to calculate LPG prices may be found in Section 4.10 of the EIA report, State Energy Price System, Volume One: Overview and Technical Documentation.

Table A9. Assigned LPG Census Division Prices

Sector/State	Year	Method of Estimation
Residential		
Alaska	1970 1974-1979	Average ratio of Alaska price (available years) to U.S. price
Hawaii	1970 1974-1979	Average ratio of Hawaii price (available years)
Industrial		
District of Columbia	1978-1979	Maryland price
Arkansas	1978-1979	Method described for all States for 1970-1977
New Mexico	1979	Method described for all States for 1970-1977
Wyoming	1978-1979	Average price of adjacent States
Alaska	1970-1978	Ratio of Alaska 1979 price to U.S. price
Hawaii	1970-1977	Ratio of 1978-1979 Hawaii

Source: Energy Information Administration, Energy Price and Expenditure Data System.

Residual Fuel

The residual fuel expenditures series was developed for the commercial, industrial, transportation, and electric utility sectors.

Consumption

The consumption series for residual fuels was developed in the SEDS. The methodology may be found in Section 2, page 477 of the State Energy Data Report.

RFCCB = commercial consumption of residual fuel
RFICB = industrial consumption of residual fuel
RFACB = transportation consumption of residual fuel
RFEUB = electric utility consumption of residual fuel

Prices

The residual fuel price series was developed for the commercial, industrial, transportation, and electric utility sectors.

Prices in Dollars per Physical Unit. Prices for the industrial and commercial sectors are developed from the electric utility price series; therefore, electric utility prices are described first.

Electric Utility. The price series for residual oil for the electric utility sector was calculated as the average cost per unit of purchase by the electric utilities. The source for these data is the EIA report, Cost and Quality of Fuels for Electric Utility Plants for 1973-1980. The 1970-1972 data source is the Statistical Year Book of the Electric Utility Industry report.

Industrial. The industrial price series was estimated using a number of sources. Most prices for 1971 and 1974-1979 were calculated from sales and volume data from the Census of Manufactures and the Annual

Survey of Manufactures. All State prices for 1970, 1972, 1973, and for States in which data were not reported in the two sources listed above were estimated using the available data and the electric utility sector price series developed above. For 1980, State prices were estimated based on the average ratio from 1974-1978 industrial sector prices to refinery and terminal prices for each State, taken from Platt's Oil Price Handbook and Oilmanac.

Commercial. The U.S. average commercial sector residual fuel price is assumed to follow the same as that reported for all sectors in the Monthly Energy Review. State variation in the commercial sector residual fuel price follows the same pattern exhibited in the industrial sector.

Transportation. Transportation sector prices are derived or estimated from the Monthly Petroleum Product Price Report, and the commercial price series. States are segregated by fuel end-use into four groups: vessel bunkering only, rail-road use only, vessel bunkering and railroad use, and no use. For vessel bunkering, prices are estimated assuming the State Bunker C price has the same ratio to the U.S. price as is found in the commercial sector. The transportation sector is assigned the same price as the commercial sector in States where the end use is railroads only.

Vessel Bunkering/Railroads. For the third category, the Energy Information Administration's report, Deliveries of Fuel Oil and Kerosene was used to determine the average proportion of residual fuel use for vessel bunkering and railroads. The prices then were calculated as the weighted average of the two prices as developed above.

U.S. prices for all sectors are calculated as the volume-weighted average prices.

Conversion to Dollars per Million Btu. State and U.S. physical prices are converted to prices per million Btu using the conversion factor from the Monthly Energy Review for all sectors except electric utilities. Conversion factors for the electric utility sector vary by year and by State, and are embedded in the source data, so no conversion was required.

The resulting price series, in dollars per million Btu, is:

RFCMBP = commercial residual fuel price
RFINBP = industrial residual fuel price
RFTRBP = transportation residual fuel price
RFUTBP = electric utility residual fuel price

Expenditures Calculations

Expenditures for residual fuel in the commercial, industrial, transportation, and electric utility sectors are equal to the price of residual fuel in each of these sectors multiplied by the consumption of residual fuel in each of these sectors in each State.

Commercial (C)	RFCEB = RFCMBP x RFCCB
Industrial (I)	RFIEB = RFINBP x RFICB
Transportation (A)	RFAEB = RFTRBP x RFACB
Electric Utility (E)	RFEEB = RFUTBP x RFEUB

Notes

(1) In 1979, the end-use category definitions changed in the data collection forms. Where discontinuities occurred, estimates for the pre-1979 years were adjusted in the SEDS to conform with the 1979 fuel oil deliveries classifications. See the State Energy

Data Report for changes in categories and methodology applied to present a comparable consumption series for pre-1979 and post-1979 data.

(2) In the transportation sector, the following States use residual fuel for railroads only: Colorado, Iowa, Kansas, Missouri, Nebraska, and Wyoming. The only State to use residual fuel for vessels and railroads is Illinois. The following States have little or no residual fuel use in the transportation sector: Arkansas, Arizona, the District of Columbia, Idaho, Kentucky, Montana, Nevada, New Hampshire, New Mexico, North Dakota, Oklahoma, South Dakota, Tennessee, Utah, Vermont, and West Virginia. All States not listed in these three categories use residual fuel for vessels.

(3) Complete residual fuel price data for the transportation and electric utility sectors were not available for several States in which consumption was small or negligible. The Census Division's average price was assigned to these States for the years listed in Table A10.

(4) The specific methodology and regression equations used to calculate residual fuel prices may be found in Section 4.9 of the EIA report State Energy Price System, Volume One: Overview and Technical Documentation.

Table A10. Assigned Residual Fuel Census Division Prices (Selected States and Years)

Sector/State	Year(s)	Census Division
Transportation		
Arkansas	1970, 1973-1975, 1977-1978	7
District of Columbia	1970-1980	5
Idaho	1970, 1979	8
Kentucky	1970-1980	6
Montana	1970-1979	8
North Dakota	1970-1971, 1979	4
Nevada	1970, 1972-1978	8
New Hampshire	1970-1976, 1979-1980	1
New Mexico	1970-1971	8
Oklahoma	1970-1975	7
South Dakota	1970-1971, 1975-1978	4
Tennessee	1970-1971, 1973-1980	6
Utah	1970-1978	8
Vermont	1970-1976	1
West Virginia	1970, 1979	5
Electric Utility		
Alaska	1970-1974, 1980	9
Indiana	1970-1974	3
Iowa	1974, 1980	4
Kentucky	1970-1974	6
North Carolina	1980	5
North Dakota	1970-1974	4
Oregon	1970-1973, 1975	9
Vermont	1970-1974	1
Washington	1970-1971	9
West Virginia	1970-1974	5
Wyoming	1970-1974	8

Source: Energy Information Administration, Energy Price and Expenditure Data System.

Aviation Gasoline

Aviation gasoline was used only in the transporation sector. Expenditures for aviation gasoline in the residential, commercial, industrial, and electric utility sectors are assigned a zero value.

Consumption

Consumption data for aviation gasoline was taken from the SEDS. The methodology may be found in Section 2, page 443 of the State Energy Data Report.

AVACB = transportation consumption of aviation gasoline.

Prices

Prices in Dollars per Gallon. Aviation gasoline prices for 1979 and 1980 were obtained from the Aircraft Owners and Pilots Association Fuel Report, prepared by the Aircraft Owners and Pilots Association. This report is a result of a monthly telephone survey of selected airports. For each State, the average price for each month was calculated, then the monthly data were averaged for an annual price. This price was not volume weighted.

State prices were unavailable for 1970-1978. The 1976-1978 prices were assumed to be the national average price published in the Energy Information Administration's Monthly Energy Review plus a markup for taxes and airport fees. The markup was calculated as the percent difference between the Monthly Energy Review price for 1979 and the calculated national average for 1979.

For 1970-1975, prices were derived by calculating the percent increases in national motor gasoline prices for these years from the motor gasoline price series. These were applied to the 1976 national aviation gasoline price to derive the 1970-1975 national average prices.

Conversion to Dollars per Million Btu. Physical unit prices are converted to dollars per million Btu using the conversion factor from the Monthly Energy Review.

The resulting price series, in dollars per million Btu, is:

AVTRBP = transportation sector price

Expenditures Calculations

Expenditures for aviation gasoline equal the price of aviation gasoline in the transportation sector of all States multiplied by the consumption of aviation gasoline in the transportation sector of all States.

(1) Transportation (A) AVAEB = AVTRBP x AVACB

Notes

(1) For 1979 and 1980, only 100 low-lead octane aviation gasoline prices were gathered since it is the most common fuel used. However, for any State whose airports did not sell this fuel, the Census Division average was assigned to that State.

Jet Fuel

The price of jet fuel in the transportation sector has been assigned to the industrial sector. The price of jet fuel in the electric utility

sector reflects a composite price of both kerosene-type jet fuel and kerosene used in this sector. The SEDS disaggregates jet fuel by kerosene-type and naptha-type. The EPEDS, however, uses total jet fuel to calculate expenditures.

Consumption

The jet fuel consumption series (disaggregated by type) was developed in the SEDS. The methodology may be found in Section 2, page 452 of the State Energy Data Report.

JFACB = transportation consumption of jet fuel
JFICB = industrial consumption of jet fuel
JFEUB = electric utility consumption of jet fuel

Prices

Transportation. The jet fuel price series for the transportation sector contains wholesale prices at the Census region level. Regional prices are assigned to each State within the region. The 1976-1980 prices were estimated from the monthly indexes published in Producer Prices and Price Indexes - Annual Supplement, published by the Bureau of Labor Statistics, U.S. Department of Commerce.

The 1970-1972 jet fuel prices were estimated for the U.S. using prices from Platt's Oil Price Handbook and Oilgram, published by McGraw-Hill, Inc. National prices for 1973-1975 prices were calculated from Producer Prices and Price Indexes - Annual Supplement. Census region prices were then derived from the U.S. prices for 1970-1975.

Electric Utility. The price series for the electric utility sector includes both kerosene-type jet fuel and kerosene. State-level prices for 1974-1980 were developed from the report, Cost and Quality of Fuels for Electric Utility Plants, published by the Energy Information Administration.

The 1970-1973 prices were developed by linking Cost and Quality of Fuels for Electric Utility Plants data for 1973-1976 to average annual prices derived from Agricultural Prices, published by the U.S. Department of Agriculture. This relationship was used to estimate State prices for 1970-1973.

Physical prices are converted to prices per million Btu using the conversion factor from the Monthly Energy Review.

The jet fuel price series, in dollars per million Btu, is:

JFTRBP = transportation jet fuel price
JFINBP = industrial jet fuel price
KSUTBP = electric utility jet fuel price

Expenditures Calculations

Expenditures for jet fuel in the transportation, industrial, and electric utility sectors equal the price of jet fuel in these sectors in each State multiplied by the consumption of jet fuel in these sectors in each State.

Transportation (A)	JFAEB = JETRBP x JFACB
Industrial (I)	JFIEB = JEINBP x JFICB
Electric Utility (E)	JFEEB = KSUTBP x JFEUB

Notes

(1) For 1970-1973, some jet fuel sales were improperly allocated between the States of Illinois and Indiana. After 1973, the sales data were correctly allocated. See the State Energy Data Report for the adjustment methodology.

(2) Complete jet fuel price data for the electric utility sector were not available for several States in which consumption was small or negligible. The Census Division's average price was assigned to the States and years listed in Table A11.

(3) The specific methodology and regression equations used to calculate jet fuel prices may be found in Section 4.8 of the report State Energy Price System, Volume One: Overview and Technical Documentation.

Table A11. Assigned Jet Fuel Census Division Prices in Electric Utilities

State	Year(s)	Census Division
Arizona	1972-1974	[a]9
Florida	1972-1974	5
Indiana	1979	3
Maryland	1979-1980	5
Minnesota	1978	[b]3
Missouri	1978	[b]3
Ohio	1979	3
Pennsylvania	1978	2

[a]There was no average price for Census Division 8; therefore, the Division 9 price was assigned.
[b]No average price for Census Division 4 was available; therefore, the Division 3 price was assigned.

Source: Energy Information Administration, Energy Price and Expenditure Data System.

Lubricants

Expenditures for lubricant were derived for the industrial and transportation sectors only. Price and consumption data were derived on a national basis.

Consumption

The lubricants consumption series was developed in the SEDS. The methodology may be found in Section 2, page 469 of the State Energy Data Report.

LUICB = industrial consumption of lubricants
LUACB = transportation consumption of lubricants

Prices

Lubricant prices were developed for the industrial sector only. The industrial price is assigned to the transportation sector. The national retail price was attributed to all States; no state-specific prices were derived.

Prices in Dollars per Barrel. For 1972 and 1977, a national weighted wholesale price was developed by calculating the volume-weighted average price from the value and quantity of shipments of lubricants data from the Census of Manufactures, (Lubricants include SIC's 2911.7 and 2992.0).

For all other years, the value of shipments was obtained from the Annual Survey of Manufactures, which does not include quantity information. The quantity data from the SEDS is used to estimate quantity data compatible with the 1972 and 1977 data, and the value data for all other years. The retail price was calculated as the derived wholesale price times the estimated trade ratio factor obtained from the Bureau of Economic Analysis, U.S. Department of Commerce.

Conversion to Prices per Million Btu. Physical unit prices are converted to prices per million Btu using the conversion factor from the Monthly Energy Review.

The price series of national lubricants, in dollars per million Btu, is:

LUINBP = industrial lubricants price
LUTRBP = transportation lubricants price

Expenditures Calculations

Expenditures for lubricants in the industrial and transportation sectors equal the consumption of lubricants in these sectors in each State multiplied by the price of lubricants in these sectors.

Industrial (I)	LUIEB = LUINBP x LUICB
Transportation (A)	LUAEB = LUTRBP x LUACB

Notes

(1) The price of lubricants in the industrial sector is assigned to the transportation sector. Transportation sales are composed of oils and greases for automotive and aviation use.

(2) The trade ratio used to develop prices is reasonably stable over time; therefore, the same ratio was used for all years.

(3) SIC 2911.8 and SIC 2911.0 represent intermediate products and are accounted for in SIC 2992.0.

Asphalt

Expenditures for asphalt were calculated for the industrial sector only. The SEDS lists no consumption of asphalt in the residential, commercial, transportation, and electric utility sectors.

Consumption

Asphalt consumption data were taken directly from the SEDS. The methodology may be found in Section 2, page 441 of the State Energy Data Report.

ASICB = industrial consumption of asphalt

Prices

Asphalt prices were developed for the industrial sector only. The asphalt prices reflect construction use of asphalt defined as part of the industrial sector.

Prices in Dollars per Ton. Price data were developed from monthly reports in the Engineering News Record, published by McGraw-Hill, Inc. The source data consist of monthly reports from correspondents in 20 U.S. cities concerning price quotes for several different asphalt products. There are three major types of asphalt products: asphalt cement, asphalt emulsion, and asphalt "cutback."

Prices were developed by calculating a simple average annual price for each city and for each of the three products. City prices were assigned to the State. For States with two cities, a simple average was used. States with no prices were assigned a simple Census region average price. State average asphalt prices were calculated as the quantity-weighted average prices of the three products for each State. Quantity data are taken from the Energy Information Administration's publication, Sales of Asphalt.

U.S. prices were calculated as the quantity-weighted average of all States (and the District of Columbia) average prices.

Conversion to Dollars per Million Btu. Physical unit prices are converted to prices in units of dollars per million Btu using the asphalt conversion factor from the Monthly Energy Review.

The resulting price series, in dollars per million Btu, is:

ASINBP = industrial asphalt price

Expenditures Calculations

Expenditures for asphalt equal the price of asphalt in the industrial sector of each State multiplied by the consumption of asphalt in the industrial sector of each State.

(1) Industrial (I) ASIEB = ASINBP x ASICB

Notes

(1) The State Energy Data Report published in July 1982 is the first in this publication series to assign asphalt consumption to the industrial sector.

(2) When the price in the source was presented in dollars per gallon, the following conversion factors were used:

asphalt cement	235 gallons/ton
emulsion	241 gallons/ton
cutback	248.6 gallons/ton

(3) Pennsylvania, Ohio, and California had prices from two cities. No States had prices for more than two cities.

Road Oil

Consumption

Road oil consumption data were taken directly from the SEDS. The industrial sector is the only sector listed as consuming road oil. The methodology may be found in Section 2, page 482 of the State Energy Data Report.

RDICB = industrial consumption of road oil

Prices

Road oil prices were developed for the industrial sector only. The price series for road oil, in dollars per million Btu, is:

RDINBP = industrial road oil price

Prices in Dollars per Ton. Road oil prices were not available directly from any source. Discussions with the American Asphalt Association indicated that road oil prices could be estimated using asphalt emulsion prices as a proxy. Annual prices for road oil were taken as the developed emulsion price by State as described earlier.

Prices in Dollars per Million Btu. Physical unit prices are converted to prices in units of dollars per million Btu using the conversion factor from the Monthly Energy Review and the physical unit conversion (see Note 1).

Expenditures Calculations

Expenditures for road oil are equal to the price of road oil in the industrial sector of each State multiplied by the consumption of road oil in the industrial sector of each State.

(1) Industrial (I) RDIEB = RDINBP x RDICB

Notes

(1) The price of road oil was estimated from the price of emulsion asphalt.

(2) The State Energy Data Report published in July 1982 reassigned road oil from the commercial sector to the industrial sector for all years. Road oil was previously classified in the commercial sector because of its use for road maintenance which is considered a government function and therefore part of the commercial sector. However, it was determined that road maintenance is more accurately described as a construction activity which should be categorized within the industrial sector.

(3) For conversion of road oil prices: 241 gallons = 1 ton

Petroleum Coke

Petroleum coke expenditures were developed for the electric utility sector only. Petroleum coke use and prices for the industrial sector are included in minor petroleum products (see "Minor Petroleum Products" section elsewhere in this appendix.)

Consumption

Consumption data for petroleum coke were taken directly from the SEDS. The methodology may be found in Section 2, page 476 of the State Energy Data Report.

PCEUB = electric utility consumption of petroleum coke

Prices

Prices in Dollars per Million Btu. Prices for petroleum coke purchased by the electric utility sector were derived from Cost and Quality of

Fuels for Electric Utility Plants. A weighted average monthly price was calculated for the years 1978, 1979, and 1980. Monthly prices were averaged to derive the annual price for each State.

Annual prices for 1970-1977 were derived by deflating 1978 prices using the GNP implicit price deflators:

1977	0.9319
1976	0.8804
1975	0.8368
1974	0.7659
1973	0.7044
1972	0.6664
1971	0.6399
1970	0.6095

U.S. prices were developed as weighted averages of State prices.

The price series, in dollars per million Btu, is:

PCUTBP = electric utility price of petroleum coke

Prices in Dollars per Physical Unit

Conversion of prices to physical units was not necessary. Conversion factors are embedded in the source data.

Expenditures Calculations

Expenditures for petroleum coke are equal to the price of petroleum coke in the electric utility sector of all States multiplied by the consumption of petroleum coke in the electric utility sector of all States.

(1) Electric Utility (E) PCEEB = PCUTBP x PCEUB

Notes

(1) Complete price data were not available for several States in which SEDS consumption was small or negligible. For these States, the Census Division's average was assigned for the years price data were not available (see Table A12).

Table A12. Assigned Petroleum Coke Census Division Prices

State	Year(s)	Census Division
Alabama	1970-1974	6
Indiana	1970-1974	3
Missouri	1979-1980	4
New Jersey	1971	2
New York	1974	2
Virginia	1970-1973	5

Source: Energy Information Administration, Energy Price and Expenditure System.

Minor Petroleum Products

Eleven petroleum products used in the industrial sector are grouped in a category called minor petroleum products. These products are still gas for fuel, special naptha, waxes, petrochemical feedstocks (still gas, naptha, and other oils), petroleum coke, natural gasoline, plant condensates, unfractionated stream, and miscellaneous products.

The SEDS allocates the national consumption of these 11 minor petroleum products in proportion to a State's industrial consumption of asphalt, aviation gasoline, distillate fuel, jet fuel (kerosene and naptha type), kerosene, LPG, lubricants, motor gasoline, residual fuel, and road oil. For the EPEDS, state-by-state data were developed by considering specific production/utilization trends for each of the different products that make up the minor petroleum products category. These state-by-state values then were used to calculate expenditures. The derivation of consumption data for minor petroleum product use by State has been included in this appendix. Appendix B discusses the price of minor petroleum products.

Consumption

Annual national total minor petroleum products consumption was taken directly from the SEDS. The EPEDS methodology for developing State level consumption allocations for each fuel is discussed separately below.

Still Gas. Still gas for fuel is primarily consumed in refineries. Data on refinery consumption of still gas for fuel are available from the Bureau of Mines (BOM) publication, Mineral Industry Survey, "Crude Petroleum, Petroleum Products and Natural Gas Liquids" from 1970 through 1975. For 1976 through 1980, the same data were taken from the Energy Information Administration's Energy Data Report series, "Crude Petroleum, Petroleum Products and Natural Gas Liquids." In both of these documents, still gas for fuel use is provided by Petroleum Administration for Defense District (PADD) and by BOM refinery district. States listed separately in these reports (Texas and New Mexico) were allocated directly. Consumption in the remaining 48 States was allocated in two steps. First, refinery district consumption was apportioned to States and State groups by total crude throughput taken from the BOM and Energy Data Report (EDR) documents for respective years. The single States were allocated from this step; however, several States remained in groups. The remaining State groupings were broken out using refinery capacity by State and year obtained from the Energy Data Report, "Petroleum Refineries in the United States and U.S. Territories."

Special Naptha. Special naptha is used primarily in paints, varnishes, solvent, and pesticides. Domestic consumption of special naptha by PADD was taken from the Minerals Yearbook published by the Bureau of Mines for 1970 through 1976. After 1976, production, imports, exports, and interdistrict movement data by PADD district, reported in "Crude Petroleum, Petroleum Products and Natural Gas Liquids," were used to estimate apparent consumption by PADD.

The PADD totals were allocated to the States based on the value added in Paints and Varnishes (Standard Industrial Classification (SIC 285), Industrial Organic Chemicals (SIC 286), and Agricultural Chemicals (SIC 287). The 1972 Census of Manufactures was the source of value-added data used to allocate 1970 through 1975. Value added from the 1977 Census of Manufactures was used to apportion PADD data for 1976 through 1980. States with value added not reported due to disclosure problems were estimated from the total chemical (SIC 28) value added.

Waxes. Waxes are used for waxed paper, sanitary containers, and other miscellaneous uses. Domestic demand for waxes by PADD was obtained from the Minerals Yearbook for 1970 through 1976. Estimated wax consumption by PADD from 1977-1980 was developed from production, imports, exports, and interdistrict movement data reported in "Crude Petroleum, Petroleum Products, and Natural Gas Liquids."

Since waxes are used in such a diverse set of applications, the PADD totals were allocated to the States based on the total manufacturing value added by year and State. For 1970 through 1975, these data were taken from the 1972 Census of Manufactures; 1977 value added was used to apportion 1976-1980.

Petrochemical Feedstocks (Still Gas, Naptha, and Other Oils). Petrochemical feedstocks includes still gas, naptha, and other oils used in the petrochemical industry. Consumption of petrochemical feedstocks was estimated in two steps. Petrochemical still gas is used as a feedstock in integrated refinery/petrochemical complexes; therefore, production takes place in the same area. Consumption of naptha and other oils cannot be assumed to occur in the same area as production, since each is a specialty product that can be transported to selected end users. Since total petrochemical feedstocks consumption is available by PADD, naptha and other oils consumption were calculated as petrochemical consumption less still gas consumption/production. Production/consumption of still gas for feedstocks was taken from the Bureau of Mines (BOM) document "Crude Petroleum, Petroleum Products, and Natural Gas Liquids," for 1970 through 1975, and from the Energy Data Report by the same name for 1976 through 1980. In both documents, still gas for feedstock use is provided by PADD and by BOM refinery district. States listed singly (Texas and New Mexico) were allocated directly. Still gas consumption by refinery district was apportioned to States with refinery capacity, using the value added for Industrial Organic Chemicals (SIC 286) obtained from the Census of Manufactures. The 1972 Census values were used to apportion 1970 through 1974 still gas; 1975 through 1980 were allocated by value added (SIC 286) from the 1977 Census. States with no refinery capacity were excluded, since it was assumed still gas would be used in an integrated refinery where it was produced. States with disclosure problems were estimated from total value added for chemicals (SIC 28).

Naptha and other oils feedstock consumption by PADD was derived by subtracting still gas feedstocks from total consumption of petrochemical feedstocks by PADD. Consumption of petrochemical feedstocks by PADD was obtained from the Minerals Yearbook for 1970 through 1976. Feedstocks for 1977 through 1980 were calculated from production, imports, exports, and inter-PADD movement data provided in "Crude Petroleum, Petroleum Products, and Natural Gas Liquids." No data sources on naptha and other oils consumption were available, so they were treated together.

The PADD totals were allocated to the States using their value added for Industrial Organic Chemicals (SIC 286) from the Census of Manufactures. Allocations for 1970 through 1974 were based on the 1972 Census and 1975 through 1980 allocations were based on the 1977 Census. States with disclosure problems were estimated from total value added for chemicals (SIC 28). All States with value added in SIC 286 were allocated consumption even if there was no naptha/other oils production in that State since naptha and other oils can be transported relatively easily to the point of consumption outside the refinery.

Natural Gasoline, Plant Condensate, and Unfractionated Stream. Data on "domestic consumption" of natural gasoline, plant condensate, and unfractionated stream were obtained from the Minerals Yearbook for 1973 through 1976. For each of these years, the total to be allocated occurred only in PADD II. The 1979 national total was assumed to occur in PADD II also.

Natural gasoline, plant condensate, and unfractionated stream were apportioned to States and State groups in PADD II based on total crude throughput reported in "Crude Petroleum, Petroleum Products, and Natural Gas Liquids" for 1973 through 1975, and the EIA document by the same name for 1976 and 1979. The remaining State groups then were broken out using refinery capacity for each year.

Petroleum Coke. Petroleum coke is used primarily in two industries, petroleum refining and aluminum. There are two types of petroleum coke: marketable coke and catalyst coke. Marketable coke is a grade of coke produced in delayed or fluid cokers and may be recovered as relatively pure carbon. This "green coke" may be sold or further purified by calcining. The aluminum industry is the primary user of "green coke." Catalyst coke is used in the refining process. In catalytic processes, carbon is deposited on the catalyst, deactivating the catalyst. The catalyst is reactivated by burning off the carbon; coke is used as a fuel. Thus, the use of coke was allocated by the industrial process use for each State.

Total petroleum coke consumption is reported in the State Energy Data Report. Total marketable U.S. coke consumption was derived by subtracting total catalyst coke from total petroleum coke. Total catalyst coke consumed by refineries is reported in "Crude Petroleum, Petroleum Products, and Natural Gas Liquids." Marketable coke consumption was allocated according to each State's proportion of U.S. aluminum capacity, obtained from the Minerals Yearbook by State. Catalyst coke was allocated according to a State's percentage of the U.S. total refinery capacity by year, obtained from Petroleum Refineries in the U.S. and U.S. Territories, published by the EIA.

Miscellaneous Products. "Miscellaneous" products include specialty oil such as hydraulic fluids, rust preventatives, and feedstocks for synthetic natural gas. Consumption of miscellaneous petroleum products by PADD was obtained from the Minerals Yearbook State, for 1970-1974, and 1976. The "Crude Petroleum, Petroleum Products, and Natural Gas Liquids" provided production, imports, exports, and interdistrict movement data which were used to estimate consumption for 1975 and 1977-1980.

The national totals were allocated to the States using total manufacturing value added by State. Value added figures were obtained for each year by State, as published in the 1977 Census of Manufactures. The value added for 1977 was utilized to apportion 1978-1980 as well.

The total State consumption for minor petroleum products is defined in the EPEDS as:

PMICB = industrial consumption of minor petroleum products by State
= SGINB + SNINB + WXINB + FSINB + FCINB + MSINB + PCINB + NAINB
= (still gas) + (special naptha) + (waxes) + (petrochemical still gas) + (petrochemical naptha and others) + (miscellaneous petroleum) + (petrocoke) + (natural gasoline, plant condensate, unfractionated stream)

These State minor petroleum product totals differ from the SEDS State totals, but sum to the same national total.

Prices

Prices in Dollars per Million Btu. Due to the lack of data on individual prices for minor petroleum products, a national price was assigned for the total of minor petroleum products. The prices for individual fuels were estimated or obtained for 1976-1980. It was found that the quantity-weighted average price of minor petroleum products for these years followed the national industrial distillate price. There-

fore, the national industrial distillate price was assigned as the minor petroleum product price (see Appendix B for more details). The price in dollars per million Btu is:

PMINBP = industrial minor petroleum product price

Prices in Dollars per Physical Unit. The minor petroleum product price cannot be converted to physical units because it represents a composite of different Btu value fuels.

Expenditures Calculations

Expenditures for minor petroleum products are equal to the combined usage of all the minor products in the industrial sector of each State multiplied by the composite price of minor petroleum products in the industrial sector of each State.

(1) Industrial (I) PMIEB = DFINB x PMICB

Notes

(1) The assigned prices are national prices.

(2) The still gas for feedstocks consumption methodology produced unlikely results for the refinery district including Iowa, Nebraska, Kansas, Missouri, and Oklahoma in PADD II, due to limited reporting of value added in SIC 286. Therefore, for this refinery district, still gas for feedstock use was allocated by value added in the total chemicals (SIC 28) industry.

(3) Anomalies appeared for a few years in PADD IV, the Rocky Mountains, where naptha and other oils consumption were negative. Since these values were relatively small, they were considered zero and the negative adjustment was made in PADD III, the Gulf.

(4) From 1976-1980, the average difference between the distillate price and the average minor product price is 7.5 percent below distillate.

Petroleum Products Summary Calculations

This section provides the formulas used to create estimates of State and U.S. end-use prices, consumption, and expenditures for the sum of all petroleum products. As noted previously, notations designating geographic coverage have been deleted for ease of reading.

Residential

Total residential petroleum consumption by State is calculated as:

PARCB = total residential petroleum consumption
= DFRCB + KSRCB + LGRCB
= distillate + kerosene + LPG

All consumption variables are taken from the SEDS.

Total residential expenditures by State are calculated as:

PAREB = total residential petroleum expenditures
= DFREB + DSREB + LGREB
= distillate + kerosene + LPG

The expenditure variables were developed in the EPEDS.

The average composite residential petroleum price for each State is calculated as:

PARPBP = average residential petroleum price
= PAREB ÷ PARCB
= residential petroleum expenditures ÷ residential petroleum consumption

Commerical

Total commercial petroleum consumption by State is calculated as:

PACCB = total commercial petroleum consumption
= DFCCB + KSCCB + LGCCB + MGCCB + RFCCB
= distillate + kerosene + LPG + motor gasoline + residual oil

The expenditure variables were developed in the EPEDS.

The average composite commercial petroleum price is calculated as:

PACPBP = average commercial petroleum price
= PACEB ÷ PACCB
= commercial petroleum expenditures ÷ commercial petroleum consumption

Industrial

Total industrial petroleum consumption by State is calculated as:

PAICB = industrial petroleum consumption
= ASICB + DFICB + JFICB + KSICB + LGICB + LUICB + MGICB + RFICB + RDICB + PMICB
= asphalt + distillate + jet fuel + kerosene + LPG + lubricants + motor gasoline + residual fuel + road oil + minor petroleum products

All consumption variables were taken from the SEDS.

Total industrial petroleum expenditures by State are calculated as:

PAIEB = industrial petroleum expenditures
= ASIEB + DFIEB + JFIEB + KSIEB + LGIEB + LUIEB + MGIEB + RFIEB + PMIEB
= asphalt + distillate + jet fuel + kerosene + LPG + lubricants + motor gasoline + residual fuel + road oil + minor petroleum products

All expenditure variables were developed in the EPEDS.

The average composite industrial petroleum price is calculated as:

PAIPB = average industrial petroleum price
= PAIEB ÷ PAICB
= industrial petroleum expenditures ÷ industrial petroleum consumption

Transportation

Total transportation petroleum consumption is calculated as:

PAACB = transportation petroleum expenditures
= AVAEB + DFAEB + JFAEB + LGAEB + LUAEB + MGAEB + RFAEB
= aviation gasoline + distillate + jet fuel + LPG + lubricants + motor gasoline + residual fuel

All expenditure variables were developed in the EPEDS.

The average composite transportation petroleum price for each State is calculated as:

PAAPEP = average transportation petroleum price
= PAAEB ÷ PAACB
= transportation petroleum expenditures ÷ transportation petroleum consumption

Electric Utility

Total electric utility petroleum consumption is calculated as:

PAEUB = electric utility petroleum consumption
= DFEUB + JFEUB + PCEUB + RFEUB
= distillate + jet fuel + petroleum coke + residual fuel

All consumption variables are taken from the SEDS.

Electric utility petroleum expenditures by State are expressed as:

PAEEB = electric utility petroleum expenditures
= DFEEB + JFEEB + PCEEB + RFEEB
= distillate + jet fuel + petroleum coke + residual fuel

All expenditure variables are developed in the EPEDS.

The average composite electric utility petroleum price by State is calculated as:

PAEPBP = average electric utility petroleum price
= PAEEB ÷ PAEUB
= electric utility petroleum expenditures ÷ electric utility petroleum consumption

Nuclear Power

Nuclear power consumption, prices, and expenditures are for the electric utility sector only.

Consumption

The nuclear power consumption series was taken directly from the SEDS. The methodology is found in Section 5, page 511 of the State Energy Data Report. For nuclear power, the State Energy Data System (SEDS) reports output electricity generated from nuclear power plants (in million kilowatt-hours) instead of nuclear fuel input.

NUEOB = electricity generated by nuclear power at electric utilities in each State

Prices

Utilities running nuclear plants report fuel costs per kilowatt-hour (kWh) to the Department of Energy on an annual basis. These data are published on a plant-by-plant basis in Steam-Electric Plant Construction Cost and Annual Production Expenses, 1970 through 1980. For States with two or more nuclear power plants, the average price, weighted by generation, was attributed to the State. For States which show consumption of nuclear-generated electricity but in which no nuclear plant is located, the Census Division price weighted by nuclear-generated electricity was attributed to the State.

Conversion to Dollars per Million Btu

Prices per million Btu were developed using the national average heat rate (Btu per kWh) for nuclear power plants published in the EIA report. These conversion factors are listed in Appendix D.

NUUTBP = price of nuclear fuel power to electric utilities

Expenditures Calculations

Expenditures for nuclear fuel in each State equal the price of nuclear fuel (in units of cost per kilowatt-hour) multiplied by the electricity generated by nuclear power plants in each State.

(1) Electric Utility (E) NUEEB = NUUTBP x NUEOB

Notes

(1) Census Division prices were not available for all years. Some States were assigned another Census Division price as shown in Table A13.

Table A13. Assigned Nuclear Fuel Census Division Prices

State	Years	Census Division
Alabama	1973, 1974, 1976	5
Arizona	1974-1980	5
Colorado	1977-1980	9
South Carolina ...	1970	2

Source: Energy Information Administration, Energy Price and Expenditure Data System.

Wood and Waste

Expenditures for wood and waste were developed for the electric utility sector only since no consumption is listed in the SEDS for the residential, commercial, industrial, and transportation sectors.

Consumption

The total electric utility consumption of wood and waste was developed in the SEDS. The methodology may be found in Section 5, page 511 of the State Energy Data Report.

WWEOB = electric utility consumption of wood and waste

Prices

National wood prices were developed for the electric utility sector only.

Prices in Dollars per Million Btu

A national price of wood purchased by the electric utility sector was derived from Cost and Quality of Fuels for Electric Utility Plants. This publication reported monthly deliveries and prices of wood chips to electric utilities for 1978, 1979, and 1980. The developed annual prices for these years are a weighted average national price.

The annual prices for wood from 1970 through 1977 were derived by deflating the 1978 price using GNP implicit price deflators. These deflators are:

1977	0.9319
1976	0.8804
1975	0.8368
1974	0.7659
1973	0.7044
1972	0.6664
1971	0.6399
1970	0.6095

The price series of wood and waste, in dollars per million Btu, is:

WWUTBP = electric utility wood and waste price

Expenditures Calculations

Expenditures for wood and waste are equal to the price of wood and waste in the electric utility sector of each State multiplied by the consumption of wood and waste in the electric utility sector of each State.

(1) Electric Utility (E) WWEEB = WWUTBP x WWEOB

Total Energy Summary Calculations

The preceding sections of this documentation describe how State and U.S. price and expenditure estimates are made in the EPEDS. This section describes aggregate summary data available in the EPEDS. For each sector, total consumption, total expenditures, and average prices were developed for each State and the U.S. Total sector consumption represents the sum of all consumption components. Total sector expenditures are the sum of all expenditure components. The average composite energy price for each sector is calculated as expenditures divided by consumption.

Residential

Residential total consumption by State and the U.S. are calculated as:

TXRCB = total residential energy consumption
= CLRCB + NGRCB + DFRCB + KSRCB + LGRCB + ESRCB
= total coal + natural gas + distillate + kerosene + LPG + electricity

Total residential expenditures by State and the U.S. are calculated as:

TXREB = total residential energy expenditures
= CLREB + NGREB + DFREB + KSREB + LGREB + ESREB
= total coal + natural gas + distillate + kerosene + LPG + electricity

The average composite residential energy price for each State and the U.S. are calculated as:

EARPB = average composite residential price by State and the U.S.
= TXREB ÷ TXRCB
= total residential expenditures ÷ by total residential consumption

Commercial

Commercial total consumption by State and the U.S. are:

TXCCB = total commercial energy consumption
= CLCCB + NGCCB + DFCCB + KSCCB + LGCCB + MGCCB + RFCCB + ESCCB
= total coal + natural gas + distillate + kerosene + LPG + motor gasoline + residual + electricity

Total commercial expenditures by State and the U.S. are calculated as:

TXCEB = total commercial energy expenditures
= CLCEB + NGCEB + DFCEB + KSCEB + LGCEB + MGCEB + RFCEB + ESCEB
= total coal + natural gas + distillate + kerosene + LPG + motor gasoline + residual + electricity

The average composite commercial price for each State and the U.S. are calculated as:

EACPBP = average commercial composite price by State and the U.S.
= TXCEB ÷ TXCCB
= total commercial expenditures ÷ total commercial consumption

Industrial

Industrial total consumption by State is calculated as:

TXICB = total industrial consumption in each State
= MCICB + SCICB + NGICB + ASICB + DFICB + JFICB + KSICB + LGICB + LUICB + MGICB + RFICB + RDICB + PMICB + ESICB
= metallurgical coal + steam coal + natural gas + asphalt + distillate + jet fuel + kerosene + LPG + lubricants + motor gasoline + residual + road oil + minor petroleum products + electricity

Total U.S. industrial consumption includes net imports of coal coke (CCNIB). This consumption has been included in the U.S. total but is not included in individual State estimates since no reliable means of allocating the U.S. amount to the States has been developed.

All consumption variables were taken from the SEDS, except coal. Steam and metallurgical coal variables were developed in the EPEDS as described in Section 2 of this appendix.

Total industrial expenditures by State are calculated as:

TXIEB = total industrial expenditures in each State
= MCIEB + SCIEB + NGIEB + ASIEB + DFIEB + JFIEB + KSIEB + LGIEB + LUIEB + MGIEB + RFIEB + RDIEB + PMIEB + ESIEB
= metallurgical coal + steam coal + natural gas + asphalt + distillate + jet fuel + kerosene + LPG + lubricants + motor gasoline + residual + road oil + minor petroleum products + electricity

Total U.S. industrial energy expenditures also include expenditures for net imports of coal coke (NCNEBUS). These expenditures are included in the U.S. totals but are not included in individual State estimates.

The average composite industrial energy price for each State and the U.S. is calculated as:

EPIPBP = average composite industrial price in each State and the U.S.
= TXIEB ÷ TXICB
= total industrial expenditures ÷ total industrial consumption

Transportation

Total energy consumption in the transportation sector in each State and the U.S. is calculated as:

TXACB = transportation sector total consumption
= BCACB + NGACB + AVACB + DFACB + JFACB + LGACB + LUACB + MGACB + RFACB + ESACB
= bituminous coal + natural gas + lubricants + motor gasoline + residual + electricity

Total transportation expenditures by each State and the U.S. are calculated as:

TXAEB = total transportation expenditures in each State and the U.S.
= CLAEB + NGAEB + AVAEB + DFAEB + JFAEB + LGAEB + LUAEB + MGAEB + RFAEB + ESAEB
= total coal + natural gas + aviation gasoline + distillate + jet fuel + LPG + lubricants + motor gasoline + residual + electricity

Note: In this sector, bituminous coal equals total coal.

The average composite price of energy in the transportation sector for each State and the U.S. are calculated as:

EAAPBP = transportation average composite price in each State and the U.S.
= TXAEB ÷ TXACB
= total transportation expenditures ÷ total transportation consumption

Electric Utility

Electric utility energy consumption by State and the U.S.are calculated as:

TXECB = total electric utility consumption in each State and the U.S.
= CLEUB + NGEUB + DFEUB + JFEUB + PCEUB + RFEUB + NUEOB + WWEOB
= total coal + natural gas + distillate + jet fuel + petroleum coke + residual + nuclear + wood and waste

Electric utility expenditures for energy by State and the U.S.are expressed as:

TXEEB = electric utility energy expenditures in each State and the U.S.
= CLEEB + NGEEB + DFEEB + JFEEB + PCEEB + RFEEB + NUEEB + WWEEB
= total coal + natural gas + distillate + jet fuel + petroleum coke + residual + nuclear + wood and waste

The average composite price of energy in the electric utility sector in each State and the U.S. is calculated as:

EAEPBP = average composite electric utility energy price
= TXEEB ÷ TXECB
= total electric utility expenditures ÷ total electric utility consumption

Expenditure Totals by Energy Type

For each energy type, total expenditures were developed by State and for the U.S. The calculations for each fuel are presented below. Note "TE" in columns 3 and 4 indicate that the total includes fuel use at electric utilities. "XE" in columns 3 and 4 indicate that the total excludes fuels purchased by electric utilities.

Metallurgical Coal

MCTEB = MCIEB
MCXEB = MCIEB

Other Coal

CLTEB = CLREB + CLCEB + SCIEB + CLAEB + CLEEB
CLXEB = CLREB + CLCEB + SCIEB + CLAEB

Natural Gas

NGTEB = NGREB + NGCEB + NGIEB + NGAEB + NGEEB
NGXEB = NGREB + NGCEB + NGIEB + NGAEB

Total Petroleum

PATEB = PAREB + PACEB + PAIEB + PAAEB + PAEEB
PAXEB = PAREB + PACEB + PAIEB + PAAEB

Asphalt

ASTEB = ASIEB
ASXEB = ASIEB

Aviation Gasoline

AVTEB = AVAEB
AVXEB = AVAEB

Distillate Fuel

DFTEB = DFREB + DFCEB + DFIEB + DFAEB + DFEEB
DFXEB = DFREB + DFCEB + DFIEB + DFAEB

Jet Fuel

JFTEB = JFIEB + JFAEB + JFEEB
JFXEB = JFIEB + JFAEB

Kerosene

KSTEB = KSREB + KSCEB + KSIEB
KSXEB = KSREB + KSCEB + KSIEB

LPG

LGTEB = LGREB + LGCEB + LGIEB + LGAEB
LGXEB = LGREB + LGCEB + LGIEB + LGAEB

Lubricants

LUTEB = LUIEB + LUAEB
LUXEB = LUIEB + LUAEB

Motor Gasoline

MGTEB = MGCEB + MGIEB + MGAEB
MGXEB = MGCEB + MGIEB + MGAEB

Residual Fuel

RFTEB = RFCEB + RFIEB + RFAEB + RFEEB
RFXEB = RFCEB + RFIEB + RFAEB

Road Oil

RDTEB = RDIEB
RDXEB = RDIEB

All Other Petroleum

PMTEB = PMIEB + PCEEB
PMXEB = PMIEB

Nuclear Power

NUTEB = NUEEB

Wood and Waste

WWTEB = WWEEB

Net Imports of Coal Coke (U.S. only)

NCTEB = NCNEB
NCXEB = NCNEB

Total U.S. fuel expenditures (including electricity sales and excluding fuels used for electricity generation) are calculated as:

TUXEB = MCXEB + CLXEB + NGXEB +
PAXEB + NCXEB + ESXEB
= metallurgical coal + other coal + natural gas +
all petroleum products + net coke imports + electricity.

For States, this total is represented as TSXEB and it excludes net coke imports (NCXEB).

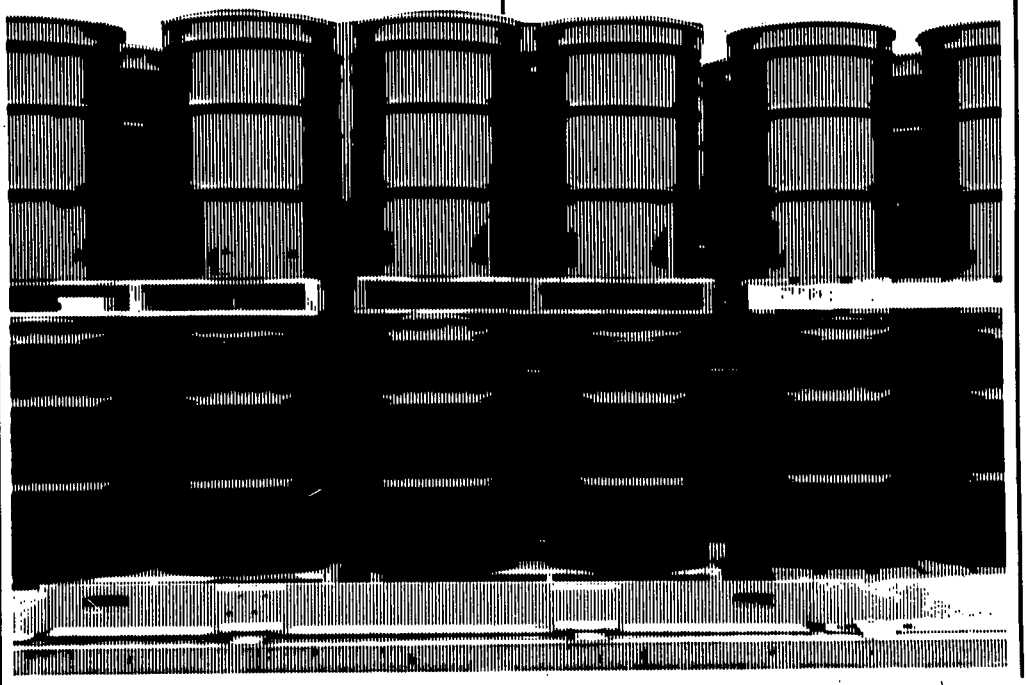
Total U.S. fuel expenditures (excluding electricity sales and including fuels used for electricity generation) are calculated as:

TTUEB = MCTEB + CLTEB + NGTEB +
PATEB + NUTEB + NCTEB + WWTEB
= metallurgical coal + other coal + natural gas + all petroleum
products + nuclear + net coke imports + wood and waste.

For States, this is represented as TTSEB and it excludes net coke imports (NCTEB).

Appendix B

Minor Petroleum Product Prices



Appendix B

Minor Petroleum Product Prices

This appendix summarizes the effort to develop an average minor petroleum product price for 1970-1980 to be used by EIA in the price data base of the EPEDS. The objective was to draw together all available published prices for the minor products and to develop a methodology to estimate other prices in order to provide individual fuel prices, or to develop a weighted average minor petroleum product price for each year in question which could be documented.

The results of the study indicate that individual prices or a weighted average price for minor petroleum products cannot be well documented, due to the lack of data and large level of estimation required. However, the average prices developed do correspond well with the distillate price over the time period. Thus, the distillate price may be used to represent an average minor petroleum product price.

The minor petroleum products included in this study are still gas for fuel, petroleum coke (industrial), special naptha, waxes, petrochemical feedstocks (still gas, naptha, and other oils), natural gasoline, plant condensate, unfractionated stream, and miscellaneous products. Some of these fuels such as waxes, special naptha, and petrochemical feedstocks are specialty fuels which have specific markets. The residual fuels such as still gas or petroleum coke are byproduct fuels that generally are not bought and sold.

Data Sources and Problems

A variety of sources were utilized to obtain prices for the minor petroleum products. Table B1 lists the data sources and years the prices were obtained for each fuel.

The availability of prices for the minor petroleum products is limited. A complete published price series for 1970 through 1980 was found for only three fuels: waxes, special naptha, and petrochemical feedstock naptha. Prices for the remaining fuels were estimated for one or more years. The resulting price estimate for individual fuels provide only a general idea of the price of these fuels, due to the lack of data.

A potential source document for naptha prices is the Chemical Marketing Reporter. The prices for both special naptha and naptha petrochemical feedstocks remain constant for several years in this publication and the prices quoted do not reflect discount or long-term contracts. Although there may have been variation in the actual market price of special naptha and naptha feedstock, this variation is not reflected in the list price. Thus, the price data obtained for these fuels do not accurately reflect the actual market price.

Data Estimation

For most fuels, the price series data were incomplete or not available. A discussion of the estimation procedure for each fuel is presented below.

Still Gas for Fuel

Still gas used as a fuel is a waste-fuel used primarily in the petroleum industry, and does not have an associated market price. Therefore, still gas was priced at a Btu equivalent of the refiner's average acquisition cost of crude, taken from the Energy Information Administration's Annual Report to Congress, Volume 2, 1980.

Petroleum Coke

The major use of petroleum coke in the industrial sector is also in the refining industry where it is used as a waste fuel. Petroleum coke was priced as the Btu equivalent of the refiner's average acquisition cost of crude oil, reflecting replacement cost.

Table B1. Data Sources for Minor Petroleum Product Prices

Fuel	Years Covered	Source
Still Gas	1970 - 1979	Internal fuel, no price available
Petroleum Coke	1970 - 1979	Largely internal, no price available
Special Napthas	1970 - 1979	Chemical Marketing Reporter
Petrochemical Feedstocks	1976 - 1979	(Average) Monthly Petroleum Product Price Report
Still Gas	1978 - 1979	1979 Annual Survey of Manufactures (total)
Naptha	1970 - 1979	Chemical Marketing Reporter
Other Oils	1978 - 1979	1979 Annual Survey of Manufactures
Waxes	1970 - 1979	Wholesale Prices and Price Index
Natural Gasoline	1978 - 1979	1979 Annual Survey of Manufactures
	1976 - 1979	Monthly Petroleum Product Price Report
Plant Condensate/ Unfractionated Stream	1978 - 1979	1979 Annual Survey of Manufactures
Miscellaneous Petroleum Products	1970 - 1979	No price source available

Source: Energy Information Administration, Energy Price and Expenditure Data System.

Special Naptha

Special naptha is a specialty product. Prices for special naptha are published weekly in the Chemical Marketing Reporter. The special naptha prices used are the arithmetic average of prices listed in January, July, and December for each year. These prices represent a list price, not an actual market price.

Waxes

Petroleum wax is a specialty product. Waxes are included in the Wholesale Prices and Price Index, published monthly and in the annual supplement. The wax prices were derived as the 1967 base year price times the annual average price index for petroleum wax.

Petrochemical Feedstocks

Petrochemical feedstocks are made up of still gas, naptha and other oils. The petrochemical feedstocks (total) price for 1976-1980 is published in the Monthly Petroleum Product Price Report. The 1970-1975 prices had to be estimated using several sources of prices. These prices were

estimated by examining the relationship among total petrochemical feedstocks, the individual feedstocks, and crude for the years prices are available. Prices for still gas and other oils for 1978 and 1979 are available from the report, 1979 Annual Survey of Manufactures Marketing Reporter, which provides a list price which may differ from an actual market price.

Since naptha makes up 45 to 55 percent of the total Btu value of petrochemical feedstocks, the naptha price is a major portion of the petrochemical feedstock price. Between 1970 and 1975, the reported price of naptha was flat, indicating that the 1973-1974 crude oil price jump was not passed through to naptha until 1976. The relationship between crude oil and total petrochemical feedstock prices was fairly steady on a $/MMBtu basis, with feedstock prices remaining above the crude oil prices. The estimated price of petrochemical feedstocks for 1970 to 1975 assumes that the price lag of naptha with respect to crude was representative of the total feedstock price, and that the price differential between crude oil and feedstocks from 1976 to 1980 is representative of the 1970-1975 period. Therefore, feedstocks were priced at a differential above crude from 1970 to 1972. From 1973 to 1975, feedstock prices rose slowly, and jumped in 1976, reflecting the naptha price movement.

Natural Gas Liquids

Natural gas liquids include natural gasoline, plant condensate, and unfractionated stream. These liquids are generally used within the refining industry. Natural gasoline prices are available for 1976-1980 from the Monthly Petroleum Product Price Report. Prices for earlier years were estimated from the relationship of natural gasoline and crude Btu equivalent prices from 1976 to 1978, which averaged 113 percent of the crude oil $/MMBtu price.

Plant condensate derived prices were available for two years, 1978 and 1979, from a special report on the 1979 Annual Survey of Manufactures. Prices were derived by estimating the undisclosed volume and cost of plant condensate and then calculating the plant condensate cost per unit. The derived prices for plant condensate were within 10 percent of the Btu equivalent price of crude oil. Therefore, for all other years, the price of plant condensate is set at 100 percent of the Btu equivalent of the refiner's average acquisition cost of crude oil. No source of price information was found for unfractionated stream. The price is assumed to be 100 percent of the refiner's average acquisition cost of crude.

Miscellaneous Minor Petroleum Products

No source of price data was found for the miscellaneous minor petroleum products. This fuel category was priced at the Btu equivalent of the refiner's average acquisition cost of crude oil.

Results

The prices developed from the estimation procedures and the associated consumption and total cost of each of the minor petroleum products is shown in Table B2. Still gas for fuel and petrochemical feedstocks are the two largest minor petroleum products in both total Btu and total cost. This table includes the average Btu weighted price of total minor petroleum products.

Comparisons of the average minor petroleum products price to crude, distillate, and residual oil are shown in Table B3. As shown in the second column, the average minor product price matches well with the distillate price, with a 3 to 35 percent difference in the 1970 to

1980 time period. Of particular note is the relationship of the prices from 1976 to 1980. During this period, the average price is primarily based on actual published prices rather than estimates. From 1976 to 1980, the average percentage difference between the distillate price and the average minor product price is about 7 percent, ranging from 3 to 17 percent.

Based on the goodness of fit between the estimated average minor petroleum product price and the distillate price, particularly in years with actual data and on the difficulty in documenting the individual product prices, the best method of pricing the minor petroleum product is using a distillate price.

Table B2. Minor Petroleum Product Consumption and Prices, 1976-1978

Fuel	1976 Dollars Per MMBtu	1976 Consumption (10^6 Btu)	1976 Expenditures (Dollars)	1977 Dollars Per MMBtu	1977 Consumption (10^6 Btu)	1977 Expenditures (Dollars)	1978 Dollars Per MMBtu	1978 Consumption (10^6 Btu)	1978 Expenditures (Dollars)
Still Gas Fuel	[a]1.88	1,083,996	2,037,912	[a]2.06	1,147,542	2,363,937	[a]2.15	1,200,168	2,580,361
Petroleum Coke	[a]1.88	534,634	1,005,112	[a]2.06	585,812	1,206,773	[a]2.15	550,182	1,182,841
Special Naptha	3.04	158,012	480,356	3.04	164,756	500,858	3.04	198,122	602,291
Waxes	10.88	39,933	434,471	11.00	33,377	367,147	11.11	34,396	382,140
Petroleum Feedstock	3.71	851,148	3,157,759	3.82	1,067,288	4,077,040	3.96	1,224,488	4,848,972
Still	NA	104,688	NA	NA	105,624	NA	2.76	119,868	330,836
Naptha	5.28	384,663	2,031,020	5.28	389,806	2,058,176	5.28	393,038	2,075,241
Other Oil	NA	361,797	NA	NA	571,858	NA	2.62	711,582	1,864,345
Natural Gas Liquids	NA	NA	NA	NA	NA	NA	NA	NA	NA
Natural Gas	2.07	NA	NA	2.32	NA	NA	2.52	NA	NA
Plant Condensate and Unfractionated Stream ...	[a]1.88	5,001	9,402	-	0	-	2.44	NA	NA
Miscellaneous	[a]1.88	275,101	517,190	[a]2.06	311,176	641,023	[a]2.15	270,685	581,973
Total	2.59	2,947,825	7,642,202	2.77	3,309,951	9,156,778	2.93	3,748,041	10,178,628

Table B2. Minor Petroleum Product Consumption and Prices 1976-1978—Continued

Fuel	1979 Dollars Per MMBtu	1979 Consumption (10^6 Btu)	1979 Expenditures (Dollars)	1980 Dollars Per (MMBtu)	1980 Consumption (10^6 Btu)	1980 Expenditures (Dollars)
Still Gas Fuel	[a]3.06	1,230,414	3,765,067	[a]4.84	1,184,532	5,733,135
Petroleum coke ...	[a]3.06	553,260	1,692,976	[a]4.84	516,166	2,498,243
Special Naptha ...	4.96	200,626	995,105	6.88	192,906	1,327,193
Waxes	13.55	33,687	456,459	17.24	32,912	567,403
Petroleum Feedstock	6.82	1,380,283	9,413,530	8.20	1,425,537	11,689,403
Still	3.37	78,852	265,731	NA	91,920	NA
Naptha	NA	455,070	NA	8.27	474,797	3,926,571
Gas Oil	3.47	846,361	2,936,873	NA	858,820	NA
Natural Gas Liquids	[a]4.30	121,974	524,813	[a]6.35	204,172	1,297,390
Natural Gas	4.31	121,280	522,717	6.36	203,419	1,293,745
Plant Condensate and Unfractionated Stream	3.02	694	2,096	[a]4.84	753	3,645
Miscellaneous	3.06	250,515	766,576	4.84	237,520	1,149,597
Total	4.67	3,770,759	17,614,526	6.39	3,793,745	24,262,364

[a]Estimate.

Note: " - " = Not applicable.
NA = Not available.

Source: Energy Information Administration, Energy Price and Expenditure Data System.

Table B3. Comparison of Petroleum Product Prices (Dollars per MMBtu)

Year	Minor Petroleum [a]Products (Dollars)	[b]Crude (Dollars)	[a]Residual (Dollars)	Distillate (Dollars)	Difference Between Distillate and Minor Petroleum Product Price (Percent)
1970	1.03	0.59	0.46	0.72	30
1971	1.11	0.62	0.61	0.75	32
1972	1.15	0.62	0.66	0.75	35
1973	1.26	0.72	0.80	0.92	27
1974	1.85	1.56	1.82	1.99	8
1975	2.12	1.79	1.90	2.20	4
1976	2.59	1.88	1.88	2.38	8
1977	2.77	2.06	2.13	2.68	3
1978	2.93	2.15	2.09	2.81	4
1979	4.70	3.06	2.77	3.91	17
1980	6.39	4.84	3.90	6.21	3

[a]Average U.S. prices taken from Table B2.
[b]Refiner's average acquisition cost taken from the 1980 Energy Information Administration's Annual Report to Congress, Volume 2, page 90.
[c]The industrial price was taken from "State Energy Price System, Overview and Technical Documentation," Volume I, November 1982, (DOE/NBB-0029).

Source: Energy Information Administration, Energy Price and Expenditure Data System.

Appendix C

Limitations of the Data

Appendix C

Limitations of the Data

Overview of the EPEDS Methodology

As previously noted, EPEDS was developed by multiplying the STEPS price for a fuel in a specific sector by the corresponding SEDS consumption data. When available, prices were taken directly from the STEPS and consumption estimates were taken from the SEDS. When prices for a fuel/sector series were not available from the STEPS, one of two alternative procedures was adopted to impute the missing prices:

- Assign a STEPS price from another sector of the same fuel type to the specific sector.
- Develop a new state-level price series.

In developing the EPEDS, the EIA also re-estimated those U.S. average prices contained in the STEPS which were not initially estimated using the SEDS consumption data as quantity weights.

Consumption data were available from the SEDS for most fuel/sector series. Where consumption data were not contained in the SEDS, one of the following imputation techniques were used:

- Consumption for the missing fuel/sector series were assumed to be proportionate to the consumption of a different fuel series for the same sector.
- A new state-level consumption series was developed.

In the EPEDS, imputation involved developing an appropriate consumption data series for use in calculating expenditures rather than imputing expenditures directly. Additional detail on the SEDS and STEPS data bases are found in the respective documentations for each data base reference.

Fuel Evaluation and Analysis

The following criteria were used to evaluate the quality of each of the EPEDS fuel/sector data series. They are:

- consistency in aggregation and disaggregation procedures;
- consistency with national totals and averages as published in other Energy Information Administration (EIA) documents (e.g., Monthly Energy Review, Annual Report to Congress);
- consistency in sector definitions and coverage; and
- degree of imputation (the less imputation required, the better the data).

In order to assess the limitations of the EPEDS data, it was necessary to evaluate the underlying price and consumption data sources. The evaluation for most fuel/sector series will involve analysis of the STEPS and the SEDS series, as well as their combination in the EPEDS. This section explains the principal limitations of each fuel/sector series and, where possible, indicates the direction and magnitude of potential bias in the resulting expenditure series.

Electricity

The electricity series contained in the EPEDS are generally of good quality. The STEPS' electricity price series and the SEDS' consumption series were both based on reliable source data series; the Edison Electric Institute's (EEI) Statistical Year Book of the Edison Utility

for the former and EIA's Electric Power Statistics and Electric Power Monthly for the latter. Other than the following two qualifications, the EPEDS series generally meet the four evaluation criteria. First, the STEPS prices were adjusted by the national price published in the Monthly Energy Review (MER). This was required since the difference in the national average prices reported in the MER and the Statistical Year Book varied by 7 to 8 percent due to the difference in coverage. (The EEI data were derived from a different sample than the FPC Form 5 data reported in the EIA publications.)

Second, the collection of industrial and commercial sector data on electricity kilowatt-hour sales and revenues is generally based on the specific rate schedules in use by individual utilities. Historical data on sales of electricity to both businesses and industries are generally grouped into two categories: "small power and light," requiring less than 1,000 kilowatts of service, and "large power and light," requiring more than 1,000 kilowatts of service. There may be small manufacturing establishments in the "small power and light" category that should be assigned to the industrial sector instead of to the commercial sector. Similarly, there may be large commercial businesses which, by the Standard Industrial Classification (SIC), should be included in the commercial sector but are actually included in the "large power and light" category in the data because their service demand is greater than 1,000 kilowatts. In the EPEDS, the convention of equating the "small power and light" to the commercial sector and the "large power and light" to the industrial sector is followed. The sales-related definition of the commercial sector includes street and highway consumption, sales to public utilities, and other categories.

Many States are net exporters of electricity, while others import a significant share of their electricity. In using electric utility fuel consumption and expenditure data, it is important to keep in mind that fuels consumed by electric utilities within one State may be used to generate electricity for use in another State.

Natural Gas

Like the electricity series, the natural gas series in the EPEDS are of high quality, being based almost exclusively on data from the EIA's Natural Gas Production and Consumption: Annual. A minor imputation was done in the STEPS to allocate prices for the combined New England region and the Maryland/District of Columbia region to the component States, using the relative ratio data from the American Gas Association's Gas Facts.

The Natural Gas Annual includes agricultural, fishing, and forestry as commercial sector use. Therefore, the commercial sector expenditures reported in the EPEDS will be higher and the industrial sector expenditures lower because the data collection for these sectoral definitions encompass more than is normally included in the EPEDS. At this point, it is not possible to factor out the extra consumption. Since both the SEDS and the STEPS data are based on the Natural Gas Annual, there is no difference of definition between them. Also, these data sources use utilities' rate schedules to classify the customer classes, causing some ambiguities in the commercial and industrial sectors.

Coal

Coal expenditure series were developed for the four end-use sectors and electric utilities. Each series is evaluated separately.

Residential Sector

State-level estimates for combined residential/commercial retail sales, derived from Coal-Bituminous and Lignite by Consumer and Retail Deliveries and Coal-Pennsylvania Anthracite, were used to apportion national retail consumption to each State. The residential/commercial consumption estimates were then disaggregated to the residential and commercial sectors using the following proportions which were employed in developing the SEDS series.

Table C1. Distribution of Coals to End-Use Sectors (Percent)

	Bituminous and Lignite	Anthracite
Residential Sector	35	60
Commercial Sector	65	40
Total	100	100

Source: Energy Information Administration, State Energy Data Report.

Residential sector coal prices were derived from the Gas Househeating Survey for 1971 through 1978, and imputed from Cost and Quality of Fuels data for the remaining years. Additional imputations involve the assignment of city or adjacent State prices to some States.

Commercial Sector

State-level sales for the commercial sector were disaggregated from the residential/commercial sales in the EIA reports, Coal-Bituminous and Lignite and Coal-Pennsylvania Anthracite using the proportions noted in Table C1. The disaggregated data were then used to apportion national consumption to the States. Industrial sector steam coal prices are used as a proxy for commercial sector prices. An underestimation of prices may occur because industrial users receive quantity discounts when large volume purchases are made.

Industrial Sector

The industrial sector expenditure series were developed for steam coal and metallurgical coal separately, and were then added together for total coal.

Metallurgical Coal. State-level metallurgical coal consumption was calculated based on its annual share of total coal distributed. Data on state-level coal distribution were taken from the Energy Data Report "Bituminous and Sub-bituminous Coal and Lignite Distribution Report". Prices for metallurgical coal were taken from the EIA's Coke and Coal Chemicals and were assigned directly to the States. Some prices were reported for groups of States, in which case, the group price was assigned to each State.

Steam Coal. State-level sales estimates for steam coal were derived from EIA's Coal-Bituminous and Lignite and Coal-Pennsylvania Anthracite, and represent industrial use of bituminous coal, lignite, and anthracite coal. These state-level sales estimates were used to apportion national consumption to each State. Prices were derived from the Annual Survey of Manufactures and Census of Manufactures for

1971 and 1974 to 1978 and from "Quarterly Coal Consumption Report-Manufacturing Plants" (EIA-3) from 1978 to 1980. In years not covered by these data sources, prices were imputed using regression equations based on data from the EIA Report Cost and Quality of Fuels for Electric Utility Plants.

Transportation Sector

Transportation sector consumption estimates were derived from data in the EIA Report, Coal-Bituminous and Lignite. Because no state-level transportation consumption data were available, national consumption estimates were allocated to States based on each State's share of national industrial consumption. Steam coal prices for the industrial sector were used for transportation sector prices. The use of this proxy price could result in an underestimation of transportation sector expenditures in a similar manner as explained in the steam coal commercial sector.

Electric Utility Sector

Consumption estimates for the electric utility sector were taken directly from the EIA's Monthly Power Plant Report. Electric utility sector prices were taken directly from Edison Electric Institute's Statistical Year Book between 1970 and 1972, and from EIA's Cost and Quality of Fuels for Electric Utility Plants after 1973.

Distillate Fuel Oil

Each of the EPEDS distillate series falls short of at least one of the four criteria used to evaluate their quality. Different imputation schemes are used for each of the end-use sectors.

Residential Sector

No imputation was done for the SEDS distillate consumption data which come from the EIA's Deliveries of Fuel Oil and Kerosene. There was imputation involved in the development of the residential price data in the STEPS. Prices from 1970 to 1974 were imputed using regression equations to derive regional prices from national prices. These prices were then allocated to States based upon each State's relative wholesale price from Platt's Oil Price Handbook and Oilmanac published by McGraw-Hill, Inc. The national prices used were collected on EIA-9A and published in the EIA's Annual Report to Congress and Monthly Energy Review. In other years, regional prices collected on EIA-9A are disaggregated to the state-level using equations which were estimated from Platt's Oil Price Handbook and Oilmanac data. In some cases, city prices were assigned directly as State prices. Because the EPEDS recalculated national prices, they do not always match other EIA residential fuel oil prices.

Commercial Sector

The commercial consumption estimates in the SEDS were also based on Deliveries of Fuel Oil and Kerosene. The commercial sector prices were heavily imputed and were based in most years on the residential sector distillate series which were imputed. Comparative retail mark-ups between the residential and commercial sectors were assumed to be constant; then, based on changes in the residential sector prices, were estimated by applying the commercial sector mark-up to Platt's Oil Price Handbook and Oilmanac city prices as assigned to each State. In addition, the assumed relationship between residential and commercial sector distillate prices was based on commercial sector prices for only 3 years (1970-1972) from the Foster Associates, Inc., report, Energy Prices, 1960-1973.

Industrial Sector

The EPEDS distillate industrial sector series was affected by a difference in sectoral definitions between the data in the SEDS and the STEPS. The SEDS consumption data series (from Deliveries of Fuel Oil and Kerosene) defines the industrial sector as mining, construction, manufacturing, agriculture, and forestry industries. The STEPS series, based on data from the Annual Survey of Manufactures, covers only the manufacturing industries. This means that manufacturing prices are used as estimates for prices in the construction, mining, fishing, forestry, and agriculture industries. To the extent that differences exist between manufacturing prices and prices in the other industries, bias would arise in computing the expenditures series. Presently, the direction and magnitude of potential bias could not be identified a priori. Another limitation is that regression equations were used to impute prices for some States in some years, and average ratios of Annual Survey of Manufactures retail prices to Platt's Oil Price Handbook and Oilmanac wholesale prices were used to impute prices for all States for the years 1970, 1972, 1973, and 1980.

Transportation Sector

The EPEDS transportation distillate series includes some inconsistencies in sector definitions. The SEDS data cover the entire transportation sector including diesel use on-highway, for vessel bunkering, military use, and railroads. The STEPS diesel prices, which were used in the EPEDS as estimates of transportation sector distillate prices, were based on data from Agricultural Prices and include only prices for diesel paid by farmers. These prices cover on-highway diesel use as well as diesel used in agriculture (industrial sector). Although this might involve potential bias in the expenditure series of unknown direction, the relative order of magnitude of the error is probably small.

Electric Utility Sector

Of the EPEDS distillate series, this sector contains data of the highest quality. The SEDS data were taken from Deliveries of Fuel Oil and Kerosene and the STEPS data from Cost and Quality of Fuels for Electric Utility Plants. Regression techniques were used to impute price data for 1970 through 1973 based on data from the EEI Statistical Year Book. Because both Cost and Quality and the Statistical Year Book are high quality data sources, the possible errors in the expenditure series due to this imputation, if any, are small.

Motor Gasoline

The EPEDS includes a motor gasoline series for the commercial, industrial, and transportation sectors. The STEPS, however, contains gasoline prices for only the transportation sector, while the SEDS contains data for the commercial, industrial, and transportation sectors. To compute the expenditure series for the commercial and industrial sectors, the STEPS transportation sector prices were used as proxies for the industrial and commercial sectors. Since the STEPS series were based on retail prices from the Consumer Price Index and Platt's Oil Price Handbook and Oilmanac, they do not account for quantity discounts that may be offered to consumers in the commercial or industrial sectors; consequently, there may be some overestimation in commercial and industrial sector expenditures for motor gasoline. Nevertheless, it is difficult to gauge the order of magnitude of the error as no commercial or industrial sector prices are available for comparison purposes.

The motor gasoline consumption estimates in the SEDS were based on the Department of Transportation's Highway Statistics and EIA's Petroleum Statement Annual. The commercial use was calculated as the sum of the categories "construction, miscellaneous, public nonhighway, and unclassified sales" in the Highway Statistics data. Similarly, the industrial use was computed as the sum of the "agriculture, and industrial and commercial" categories in the Highway Statistics data.

The transportation price series for motor gasoline covers gasoline purchased at service stations and was composed of combined data from the CPI and Platt's Oil Price Handbook and Oilmanac. City prices were reported by both sources and, in some cases, State prices were based on a single city price. Where more than one city price was reported for a State, simple averages were used to calculate the State price. Alaska's and Hawaii's prices were assigned based on their relationship to national average prices in the years where they were available. Despite these imputations and differences in sectoral definitions, the national STEPS prices and SEDS consumption data very closely approximate the data published in the Monthly Energy Review.

Aviation Gasoline

Aviation gasoline expenditure series were developed for the transportation sector only. Consumption estimates were derived from Highway Statistics, Petroleum Statement Annual and data from the Department of Defense. Price estimates were derived from the Aircraft Owners and Pilots Association Fuel Report and EIA's Monthly Energy Review. The limitation in the consumption series is the use of State share data for military consumption of naptha type jet fuel as a proxy for each State's share of aviation gasoline by the military. In the price series, the imputations performed in deriving state-level prices should be noted. From 1970 to 1978, all States were assigned the national price, and from 1970 to 1975, the national price was imputed based on national motor gasoline prices. In 1979 and 1980, monthly state-level prices were arithmetically averaged and assigned to each State.

Kerosene

Kerosene expenditure series were developed for the residential, commercial, and industrial sectors. The limitations in each end-use sector are discussed below.

Residential Sector

STEPS prices for the residential sector for the period 1970-1976 were derived from Agricultural Prices. For the period 1977 to 1980, prices were imputed from regional wholesale kerosene prices from Producer Prices and Price Indexes on the basis of six overlapping observations in 1975 and 1976. Consumption estimates were derived from Deliveries of Fuel Oil and Kerosene. These delivery estimates were used to allocate consumption to the residential sector. First, national consumption estimates were apportioned to States based on their share of heating deliveries. Residential sector consumption estimates were allocated from these estimates based on the sector's share of 1979 heating deliveries in each State.

Commercial Sector

Commercial sector consumption estimates were calculated using the same procedure which was used to develop residential sector consumption estimates. Prices for industrial sector use were used for the

commercial sector. Because industrial sector prices may be lower than commercial sector prices, the expenditure may be underestimated. However, the magnitude of such underestimation, if any, cannot be determined a priori.

Industrial Sector

Consumption estimates from the SEDS were taken from Deliveries of Fuel Oil and Kerosene. These estimates were developed using the same procedure used to estimate residential sector consumption. Industrial sector prices were imputed in all years for all States by marking up wholesale prices from Producer Prices and Price Indexes to retail prices, based on distillate fuel industrial sector markups from the same source.

Jet Fuel

Jet fuel expenditure series were developed for the industrial, transportation, and electric utility sectors. The sources for the price and consumption data vary by end-use sector. Each sector is evaluated separately below.

Industrial Sector

Consumption data used in computing expenditures were taken from Deliveries of Fuel Oil and Kerosene. No industrial sector price series was developed; instead, transportation prices were used for industrial sector prices. Because jet fuel prices for the transportation sector were wholesale, it is likely that the expenditures may be underestimated to some degree.

Transportation Sector

There are several limitations in the component price and consumption series for this sector. Prices from 1975 to 1980 were wholesale regional prices for kerosene-type jet fuel taken directly from the Bureau of Labor Statistics' Producer Prices and Price Indexes. Prices from 1970 to 1974 were imputed using regression equations based on national jet fuel and kerosene prices from Producer Prices and Price Indexes and Platt's Oil Price Handbook and Oilmanac. Because the data available for the transportation sector price series were wholesale, the expenditure series may be underestimated. Generally, wholesale prices are lower than retail prices in a particular sector. Further, the regional wholesale prices have been assigned directly to each State in a region, thus eliminating any State-by-State variation in prices within the region.

Transportation sector consumption estimates were developed using data from the EIA Petroleum Statement Annual, Ethyl Corporation data, and data from the U.S. Department of Defense. These estimates include consumption of both kerosene-type and naptha-type jet fuel. Because naptha-type jet fuel costs less than kerosene-type jet fuel, expenditures will be somewhat overestimated. Note also that transportation sector consumption was adjusted, at the national level, to be equal to all consumption not in the industrial and electric utility sectors.

Electric Utility Sector

Both the component consumption and price series were derived from Cost and Quality of Fuels for Electric Utilities. Between 1970 and 1973, prices were imputed using regression equations based on national

kerosene prices in Agricultural Prices. However, this imputation procedure has only minor effects on the quality of the price series. Consumption estimates were not available from 1970 to 1972 because Cost and Quality data were not published for those years. Therefore, no expenditures exist for States in these years.

Residual Fuel

Expenditure series were developed for the commercial, industrial, transportation, and electric utility sectors. Because the quality of these series and their original data sources varied by sector, they are evaluated separately.

Commercial Sector

Consumption estimates were derived from both the Deliveries of Fuel Oil and Kerosene and the Petroleum Statement Annual by allocating total State consumption to the commercial sector based on the sector's share of State residual fuel deliveries. Prices were imputed in all years based on the assumption that the proportional relationship between state-level residual oil prices for the commercial sector and the national average residual oil price for all sectors is the same as it is for the industrial sector. With this assumption, State prices for the commercial sectors were calculated by multiplying State industrial sector prices by the ratio of national average prices for all sectors, divided by national industrial sector prices. This represents a relatively high degree of imputation for the price series. As a result, the quality of the expenditure series is judged to be lower than those of the industrial sector or electric utility sectors.

Industrial Sector

Consumption estimates were derived from Deliveries of Fuel Oil and Kerosene by allocating total State consumption to the industrial sector based on the sector's share of State residual fuel deliveries. Price estimates were derived from The Annual Survey of Manufactures (ASM) and The Census of Manufactures (CM). In 1970, 1972, and 1973, prices were imputed using regression equations estimated from these two reports and U.S. national average prices for the electric utility sector, which were themselves imputed for 1970-1972. Moreover, these prices reflect transactions in the manufacturing sector only, while the consumption estimates include use by the entire industrial sector. The use of manufacturing sector prices to represent industrial sector prices may result in some bias in the expenditures series. The degree and direction of error could not be determined.

Electric Utility Sector

Consumption estimates were derived from Deliveries of Fuel Oil and Kerosene by allocating total State consumption to the electric utility sector based on the share of State residual fuel deliveries. Prices were derived from Cost and Quality of Fuels for 1973 to 1980. For earlier years, prices were imputed based on price data from EEI's Statistical Year Book. Because the EEI and Cost and Quality data were both of high quality and comprehensive coverage, the imputation has no significant effect on quality of the price series or the expenditure series.

Liquefied Petroleum Gas (LPG)

Residential Sector

The SEDS residential consumption data were disaggregated from the combined residential/commercial data in Sales of Liquefied Petroleum

Gases and Ethane using the proportional share of 85 percent. The published documentation of SEDS does not explain how this proportion was chosen. This proportional split will be reconsidered in EPEDS updates. The LPG price data from the STEPS for 1970 were imputed using regression techniques based on data from the Gas Househeating Survey and Agricultural Prices. Missing States for all years are assigned a simple average of adjacent State prices. However, this imputation of prices is minor compared to the 85 percent share assumption used in allocating consumption data. The quality of expenditure series is heavily dependent upon the reasonableness of the 85 percent share assumption.

Commercial Sector

Commercial sector consumption data were also disaggregated from the combined residential/commercial consumption data reported in Sales of Liquified Petroleum Gases and Ethane, using a 15 percent share. In addition, industrial prices from the STEPS were used as commercial price estimates, because a separate commercial sector price series was not available. Since commercial sector prices are generally expected to be higher than industrial sector prices (because of quantity discounts to consumers who buy in large quantities), it is reasonable to assume that the expenditure series will be slightly underestimated.

Industrial Sector

The SEDS consumption data for this sector were also taken from EIA's Sales of Liquefied Petroleum Gases and Ethane. Industrial sector consumption includes LPG used for industrial, utility gas, chemical, internal combustion engines, and miscellaneous purposes. LPG used in internal combustion engines is allocated to the industrial sector, based upon a 1969 share of 84 percent. The remainder is allocated to the transportation sector. In addition, the STEPS prices were imputed with some States assigned the average of adjacent States, and all States for 1970 and 1977 imputed using a regression equation based on data from Agricultural Prices and the Annual Survey of Manufactures. The industrial sector price series was derived for manufacturing industries, rather than the total industrial sector.

Transportation Sector

The SEDS consumption data for this sector were taken from Sales of Liquefied Petroleum Gases and Ethane, and included only LPG used for internal combustion, derived as 16 percent of total sales of LPG for the combined industrial/transportation sector. The STEPS industrial sector prices were assigned as proxies for this sector. It is not possible to evaluate more closely the potential bias in the expenditure series.

Lubricants

Lubricants expenditure series were developed for the industrial and transportation sectors. Consumption estimates for both sectors were Sales of Lubricating Industrial Oils and Greases and Petroleum Statement Annual. Price estimates for the industrial sector were from the Census of Manufactures for 1972 and 1977, with data for all other years imputed using value of shipments data from the Annual Survey of Manufactures and quantity data from the SEDS. Retail prices were derived using a trade adjustment factor from the Bureau of Economic Analysis. The industrial sector prices were used as proxies for the transportation sector.

The accuracy of the industrial sector expenditure series is affected by the conversion of wholesale prices to retail prices and the

imputation procedure which uses different data sources for value of shipments and quantities sold. The limitation in the transportation sector expenditure series is the use of industrial sector prices as a proxy for transportation sector prices.

Asphalt

Asphalt expenditures were developed for the industrial sector only. Consumption estimates were derived from EIA's Sales of Asphalt and Petroleum Statement Annual. Price estimates were derived from data in the Engineering News Record. Prices for asphalt cement, asphalt emulsion, and asphalt "cutback" were published for 20 cities in the U.S. Quantity data from Sales of Asphalt were used to develop product-weighted prices which were assigned to the States. States with two city prices were assigned the simple average of the two city prices. States without prices were assigned the prices for the Census Division in which the States are located.

Road Oil

Road oil expenditures were developed for the industrial sector. Consumption estimates were from EIA's Sales of Asphalt and Petroleum Statement, Annual. Prices of asphalt emulsion for 20 U.S. cities from the Engineering News Record were used as a proxy for road oil prices. The same procedures used to develop state-level asphalt prices were also used to derive the state-level prices for the asphalt emulsion. Like asphalt, the use of a proxy price and the procedures for assigning State prices are the principal limitations of this expenditure series.

Petroleum Coke

Petroleum coke expenditures were developed for the electric utility sector only. Consumption data were taken from the EIA's Monthly Power Plant Report. Petroleum coke prices for the period 1978 to 1980 were taken directly from EIA's Cost and Quality of Fuels for Electric Utility Plants. Data for earlier years were imputed by deflating the 1978 price using the GNP implicit price deflators. Because the prices were imputed based on national price deflators, state level variations in the rates of changes in petroleum coke prices between 1970 and 1977 will not be reflected in the expenditure series.

Minor Petroleum Products

Minor petroleum product expenditures were developed for the industrial sector. The national average industrial distillate fuel price was used as a proxy for the average price of minor petroleum products. Consumption estimates were developed for each of the component products: still gas, special naptha, waxes, petrochemical still gas, petrochemical naptha, miscellaneous petroleum, natural gasoline, plant condensate, and petroleum coke. National and regional consumption data were taken from Crude Petroleum, Petroleum Products, and Natural Gas Liquids and allocated to States using refinery capacity from Petroleum Refineries in the United States and U.S. Territories (still gas, natural gasoline, and plant condensate) and value added data from the Census of Manufactures (all other fuels).

Nuclear

Expenditures for nuclear fuel were developed for the electric utility sector. Prices were taken from the EIA's report, Steam-Electric Plant Construction Costs and Annual Production Expenses. Prices for nuclear fuel were reported by power plants. States with more than one nuclear power plant were assigned the average cost of nuclear fuel. States without nuclear power plants (but with consumption of nuclear generated

electricity) were assigned the production-weighted Census Division price. If no Census Division prices were available, prices from another Census Division were assigned.

Consumption estimates were taken from the Energy Data Report "Power Production, Fuel Consumption and Installed Capacity Data."

Nuclear electricity production estimates were taken directly from this source and used as a proxy for nuclear power consumption. Because electricity is bought and sold between States, the use of production estimates for consumption will not reflect actual consumption at the State level. Consumption estimates for States which have strong regional power transfer agreements will be most affected. These production estimates do not match those published in the Monthly Energy Review which were derived from the Federal Power Commission's Monthly Power Plant Report.

Wood and Waste

Due to data limitations, wood use has been included only for electric utilities. More wood is used as a residential sector heating fuel, but no comprehensive price and consumption data were available. National wood and waste expenditures were calculated for the electric utility sector. Consumption estimates were taken from the Monthly Power Plant. For 1978 through 1980, prices were derived from EIA's Cost and Quality of Fuels for Electric Utility Plants. Price for all other years were imputed based on the GNP implicit price deflator. The use of the GNP implicit price deflator for imputation tends to affect the quality of the data.

Net Imports of Coal Coke

Expenditures for net imports of coal coke in the industrial sector were calculated for the total United States only. SEDS net import estimates are from EIA's Coke and Coal Chemicals and represent coal coke imports less coal coke exports. Prices were taken from the Department of Commerce report, U.S. Imports for Consumption and General Imports, and U.S. Exports. Prices were determined by dividing the value of net imports by the quantity of net imports. This expenditure series is not assigned to States.

Summary of the Limitation of the EPEDS

U.S. Totals or Average Prices

Except for distillate and aviation gasoline, there are generally no significant limitations in the EPEDS data series in terms of inconsistency with other EIA-published total U.S. consumption or average prices. The principal limitations in this aspect are as follows:

- For all years, the residential distillate prices in the EPEDS may be different from those published in the Monthly Energy Review (MER) because the EPEDS prices are derived by aggregating individual State prices with SEDS consumption weights whereas the MER prices are derived from national samples.
- For some years, the aviation gasoline prices may also be different because of imputation.

Aggregation/Disaggregation Procedures

There are no major inconsistencies in aggregation and disaggregation procedures in the individual fuel/sector series. However, the national average prices in the STEPS are not always calculated as weighted averages using the SEDS consumption data as weights. In some cases, such as the distillate residential sector, national prices are quoted directly from EIA source documents. When the STEPS national prices were used, national expenditures did not equal the sum of State expenditures. In order to reconcile the State and national expenditure figures in the EPEDS, a recomputation of all national prices as weighted averages using SEDS consumption data was performed. As a result, the national average prices in the EPEDS may not always match the prices published in other EIA reports. There is, however, an added level of consistency among all national price calculation procedures. The recalculation of U.S. prices affected the following series: distillate fuel, residential and electric utility sectors; steam coal, industrial and electric utility sectors; kerosene, electric utility sector; and residual fuel, electric utility sector.

Note also that the SEDS consumption series used for developing the EPEDS expenditures series is derived using a consistent procedure: the ratios of the individual State sales to the total U.S. sales are used to allocate the total U.S. apparent consumption to individual States.

Sectoral Definitions and Coverage

Although attempts were made in developing the EPEDS to maintain consistency in the sectoral definitions, some inconsistencies do occur, primarily due to the way the data were collected in the original sources. The commercial and industrial sectors tended to be the most problematic in this aspect. There are also some difficulties in separating the residential and commercial sectors for coal and some petroleum products.

- In the electricity series, the "small power and light" category is assigned to the commercial sector and the "large power and light" category to the industrial sector.
- Ambiguities occur in the natural gas series, though probably to a lesser extent. As previously mentioned, agricultural, fishing, and forestry expenditures for natural gas are allocated to the commercial sector rather than the industrial sector.
- The industrial sectors in the distillate fuel, residual fuel, coal, and LPG price series are limited to manufacturing, and do not account for prices in the mining, construction, agriculture, fishing, and forestry industries.
- Farm prices for diesel are used to represent transportation sector distillate prices.
- In the coal and LPG series, residential and commercial consumption is allocated using fixed shares.

Degree of Imputation

There are variations in the degree of imputation involved in the individual fuel/sector series, with the price series more highly imputed than the consumption series. The amount of imputation, the appropriate-

ness of techniques used, and the quality of the data upon which the imputation is based are the major factors in understanding the limitations in the data series.

The most important summary conclusions are:

- Except for the electricity and natural gas series, all of the EPEDS series contain some imputation. In general, the degree of imputation is highest for the commercial sector and lowest for the residential and electric utility sectors.
- Limitations exist where a fuel/sector price series was substituted as shown in Table C2.
- Jet fuel prices for the transportation sector are both wholesale and regional.

Table C2. EPEDS Fuel/Sector Price Series Substitutions

Fuel/Sector	Price Series Substituted (Fuel/Sector)
Steam coal, commercial	Steam coal, industrial
Steam coal, transportation	Steam coal, industrial
Motor gasoline, commercial	Motor gasoline, transportation
Motor gasoline, industrial	Motor gasoline, transportation
Kerosene, commercial	Kerosene, industrial
Jet fuel, industrial	Jet fuel, transportation
LPG, commercial	LPG, industrial
LPG, transportation	LPG, industrial
Lubricants, transportation	Lubricants, industrial
Minor petroleum products, industrial	Distillate, industrial

Source: Energy Information Administration, Energy Price and Expenditure Data System.

Relative Quality Ranking of the Data Series in the EPEDS

Based upon the above discussion and detailed analysis, a relative quality ranking of the data series in the EPEDS follows. This ranking is intended to serve as a guide to the relative strengths of series in the data base. The users of the EPEDS should also consult the documentation of the EPEDS data base found in Appendix A of this report along with the complete documentation found in the State Energy Price System, Volumes I and II, and the State Energy Data Report.

For the purpose of quality ranking, the following four groups are distinguished:

- Group 1: Electricity and natural gas expenditures series for all sectors are judged to be of the highest quality among the series in the data base. There are no major imputations (i.e., regression or assignment). They have consistent sectoral coverage and aggregation procedures.
- Group 2: The group of data series which is judged to have the next highest quality include those expenditures

series which, though involving some degree of imputation, have rather consistent sectoral definitions and original data sources of good coverage and high quality. The expenditure estimates for these series are therefore considered reliable for most States in most years.

They include motor gasoline, transportation sector; LPG, residential sector; metallurgical coal, industrial sector; steam coal, industrial sector; distillate fuel, industrial sector; residual fuel, industrial sector; jet fuel, electric utility sector; and net imports of coal coke.

- Group 3: The third group includes those expenditure series with relatively high degrees of imputation (most States or most years), differing aggregation/disaggregation procedures, or inconsistent sectoral coverage. They are: coal, residential sector; kerosene, industrial sector; distillate, transportation sector; motor gasoline, commercial and industrial sectors; coal, commercial and transportation sectors; petroleum coke, electric utility sector; and nuclear, electric utility sector. The distillate, residential sector; asphalt, industrial sector; and road oil, industrial sector series are also included in this category, but some States in these series have reliable expenditure estimates.

- Group 4: The quality of the data series included in this last group is the lowest among those included in the EPEDS. In these data series, most data points are derived through heavy imputation and many series have inconsistent sectoral coverage. This group includes residual fuel, commercial and transportation sectors; LPG, industrial, transportation and commercial sectors; distillate fuel, commercial sector; kerosene, residential and commercial sectors; jet fuel, transportation and industrial sectors (both are wholesale expenditures); aviation gasoline, transportation sectors; wood and waste, electric utility sector; minor petroleum products, industrial sector; lubricants, industrial and transportation sectors.

Comparison of EPEDS Data to Alternative Data Sources

The EPEDS provides comprehensive energy price and expenditure data at the State level for the years 1970 through 1980. No other single data source maintains this level of detail for such a broad scope of energy products. Nevertheless, it is useful to compare the EPEDS to other data sources to evaluate its accuracy.

This section presents a comparison of EPEDS residential and commercial sector data to EIA's Residential Energy Consumption Survey and Nonresidential Buildings Energy Consumption Survey.

Comparison of the EPEDS and RECS Data Systems

Description of Data Sources

The EPEDS series gives state-level energy expenditures by fuel, and sector for the calendar years 1970 through 1980. The SEDS series gives the corresponding data for energy consumption. This section deals only with the residential sector and with the fuels: natural gas, electricity, fuel oil, kerosene, and LPG.

The Residential Energy Consumption Survey (RECS) data come from three surveys: the National Interim Energy Consumption Survey (NIECS), the Household Screener Survey (SCREENER) and the first RECS. Description

and details of these surveys have been previously published.[1] The data obtained from these surveys yield energy consumption and expenditure estimates for the period from April of one year to March of the next year (i.e., a heating year). The NIECS covers the period from April 1978 to March 1979, the SCREENER covers data from April 1979 to March 1980, and the RECS covers data from April 1980 to March 1981. Consumption and expenditures are obtained from the fuels: natural gas, electricity, and LPG, and for fuel oil and kerosene which are combined. The smallest geographic areas for which totals are available from the NIECS and the SCREENER are the four Census regions. For the RECS, it is the nine Census divisions.

Summary of Results

Tables C3 through C12 summarize the yearly residential consumption and expenditures estimates obtainable from the data sources. The tables show statistics for electricity, natural gas, and LPG. The data for fuel oil and kerosene are combined in all tables.

Table C3 provides the energy consumption estimates by Census region obtainable from the SEDS. The estimates are given for 1978, 1979, and 1980. Table C4 gives the corresponding energy expenditures estimates obtainable from the EPEDS. Tables C5 and C6 list the energy consumption and expenditure estimates by Census region obtainable from the NIECS, SCREENER, and RECS surveys. The listed results are for the period April 1978 through March 1979, April 1979 through March 1980, and April 1980 through March 1981. Because the time periods are different, the two sets of tables are not comparable in all respects.

Using the data in the RECS, synthetic estimates were calculated that give energy consumption and expenditures for the calendar year from January 1980 to December 1980. Synthetic estimates were calculated for consumption and expenditures for electricity, natural gas, and LPG. For fuel oil and kerosene, combined estimates were obtained for consumption and expenditures. In all cases, estimates were obtained for all households in the RECS data set.

The synthetic estimates were produced by first disaggregating the consumption figures into various end uses. The annual amounts assigned to all end uses except space heating were left the same. The heating component was adjusted to reflect differences in the weather and main heating fuel between the periods January 1980 through March 1980 and January 1981 through March 1981. The expenditure figures were adjusted to reflect changes in consumption and prices. A report on the procedure for producing synthetic calendar year estimates will be available later.

The synthetic calendar year estimates from the RECS for 1980 can be compared to the 1980 estimates based on the EPEDS and the SEDS. Table C7 gives the 1980 consumption amounts from the SEDS by Census division and Census region. Table C8 gives the corresponding 1980 expenditure amounts from the EPEDS. Tables C9 and C10 give the corresponding consumption and expenditures using the RECS synthetic calendar year estimates. The lower bounds for the relative standard

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[1]The publication data for these reports are as follows: Residential Energy Consumption Survey: Consumption and Expenditures, April 1978 through March 1979, July 1980, DOE/EIA-0207/5; Residential Energy Consumption: 1979-1980 Consumption and Expenditures, (Part I: National Data Including Conservation), April 1981, DOE/EIA-0262/1. Residential Energy Consumption Survey: Consumption and Expenditures, April 1980 through March 1981, September 1982, DOE/EIA-0321/1.

errors (RSE's) in percent for Tables C9 and C10 are presented in Tables C11 and C12. The RSE is also known as the coefficient of variation. The table RSE's were calculated using the interview year (April 1980 through March 1981) dates. They did not take into account the calendar year adjustments. They can be applied directly to 1980 amounts listed in Tables C5 and C6. They can be used to give approximate lower bounds on the RSE's for results listed in Tables C9 and C10. The RSE's for estimates based on the EPEDS and the SEDS are not available.

The estimates in Tables C7 and C8 that are more than four standard deviations away from the corresponding elements in Tables C9 and C10 are footnoted. The corresponding elements in Tables C9 and C10 are also marked. Four standard deviations were used because the tabled RSE's were really only lower bounds and no RSE's were available for the EPEDS and the SEDS data.

Conclusion

The LPG consumption and expenditures according to the SEDS and the EPEDS is larger than that given by the RECS. This applies to almost all Census divisions and regions. The comparisons in Tables C3 through C6 support this conclusion. In a separate analysis, it was noted that the SEDS and the EPEDS appear to overestimate the LPG consumption in the the commercial sector. It may be that the SEDS and the EPEDS values for the industrial and agricultural sectors are too small. SEDS updates will reconsider LPG consumption in the commercial sector.

The combined fuel oil and kerosene consumption and expenditures in the Middle Atlantic are lower for the EPEDS and the SEDS than for the RECS. This could be caused by differences in the definition of residential and commercial buildings. While the RECS picks up apartment buildings as residential, the SEDS places apartment buildings that are master-metered in the commercial sector. This reasoning contributes to some of the differences in the electricity consumption and expenditure estimates.

Table C3. Regional Energy Consumption for Calendar Years 1978 to 1980, by Fuel Type (Trillion Btu)

Year and Region	Electricity	Natural Gas	Fuel Oil/ Kerosene	LPG	Total
1978					
Northeast	35	906	1,182	39	2,483
North Central ..	572	2,118	521	223	3,433
South	970	1,097	262	202	2,531
West.....	403	806	91	53	1,407
National Total .	2,301	4,981	2,056	517	9,854
1979					
Northeast	362	873	964	44	2,243
North Central ..	577	2,123	383	252	3,334
South	956	1,118	309	229	2,612
West	435	941	76	60	1,512
National Total .	2,330	5,055	1,732	585	9,701
1980					
Northeast	367	927	851	41	2,186
North Central ..	603	2,081	277	232	3,194
South	1,042	996	240	211	2,489
West	436	862	48	55	1,401
National Total .	2,448	4,866	1,417	539	9,270

Source: Energy Information Administration, Energy Price and Expenditure Data System.

Table C4. Regional Energy Expenditures for Calendar Years 1978 to 1980, by Fuel Type (Millions of Dollars)

Year and Region	Electricity	Natural Gas	Fuel Oil/ Kerosene	LPG	Total
1978					
Northeast	5,965	3,029	4,313	226	13,533
North Central ..	7,542	4,946	1,797	984	15,269
South	11,295	2,706	955	987	15,943
West	4,264	1,796	321	263	6,594
National Total .	29,066	12,476	7,387	2,460	51,389
1979					
Northeast	6,604	3,334	4,737	335	15,010
North Central ..	8,156	5,819	1,833	1,620	17,428
South	12,166	3,173	1,523	1,424	18,286
West	4,758	2,382	375	389	7,904
National Total .	31,684	14,708	8,468	3,768	58,628
1980					
Northeast	7,909	4,255	6,071	363	18,598
North Central ..	9,434	6,910	1,933	1,687	19,964
South	15,086	3,414	1,767	1,713	21,980
West	6,006	2,928	342	438	9,714
National Total .	38,435	17,507	10,114	4,202	70,258

Source: Energy Information Administration, Energy Price and Expenditure Data System.

Table C5. Regional Energy Consumption by Heating Season for the Years 1978 to 1981, by Fuel Type (Trillion Btu)

Year and Region	Electricity	Natural Gas	Fuel Oil/ Kerosene	LPG	Total
1978-79					
Northeast	391	1,144	1,324	29	2,887
North Central ..	596	2,525	463	118	3,702
South	1,004	959	319	151	2,433
West	478	947	86	29	1,540
National Total .	2,469	5,575	2,196	327	10,563
1979-80					
Northeast	390	1,050	1,030	29	2,500
North Central ..	590	2,480	310	98	3,480
South	970	910	280	143	2,300
West	470	880	90	37	1,470
National Total .	2,420	5,310	1,710	307	9,740
1980-81					
Northeast	392	924	1,040	27	2,433
North Central ..	599	2,016	156	152	2,923
South	1,057	1,114	270	146	2,588
West	413	889	36	40	1,377
National Total .	2,461	4,943	1,553	365	9,321

Source: Energy Information Administration, 1978 National Interim Energy Consumption Survey, 1979 Household Screener Survey, 1980 Residential Energy Consumption Survey.

Table C6. Regional Energy Expenditures by Heating Season for the Years 1978 to 1981, by Fuel Type (Million Dollars)

Year and Region	Electricity	Natural Gas	Fuel Oil/ Kerosene	LPG	Total
1978-79					
Northeast	5,992	3,909	5,272	299	15,402
North Central	8,128	6,480	1,771	536	16,916
South	11,806	2,734	1,256	777	16,572
West	3,461	2,173	323	121	6,579
National Total	29,887	15,246	8,623	1,663	55,469
1979-80					
Northeast	6,800	4,300	6,500	260	17,800
North Central	8,800	7,800	2,000	600	19,100
South	12,600	3,100	1,800	980	18,500
West	4,400	2,600	600	220	7,700
National Total	32,600	17,800	10,700	2,060	63,200
1980-81					
Northeast	8,600	4,700	8,800	300	22,400
North Central	9,700	7,200	1,200	1,100	19,200
South	16,000	4,300	2,200	1,200	23,600
West	5,900	3,100	300	300	9,600
National Total	40,100	19,300	12,500	2,900	74,800

Sources: Energy Information Administration, 1978 National Interim Energy Consumption Survey, 1979 Household Screener Survey, 1980 Residential Energy Consumption Survey.

Table C7. Regional and Division Energy Consumption for Calendar Year 1980, by Fuel Type (Trillion Btu)

Region	Electricity	Natural Gas	Fuel Oil/ Kerosene	LPG	Total
New England	98.56	150.13	307.71	16.19	572.59
Mid Atlantic	268.45	776.92	[a]43.61	24.22	1,613.20
Northeast	367.01	927.05	[a]51.33	40.41	2,185.80
East North Central	404.35	1,583.54	205.98	117.50	2,311.37
West North Central	198.66	497.85	71.13	114.98	882.62
North Central	603.01	2,081.39	277.10	232.48	3,193.98
South Atlantic	488.40	358.43	216.80	67.73	1,131.36
East South Central	224.22	205.77	21.07	[a]54.99	506.05
West South Central	329.41	431.44	2.28	[a]88.57	851.70
South	1,042.04	995.64	240.15	211.29	2,489.12
Mountain	118.94	261.17	8.53	34.65	423.29
Pacific	317.09	600.88	39.58	20.50	978.05
West	436.03	862.05	48.11	55.15	1,401.34
National Total	2,448.09	4,866.13	1,416.69	[a]539.33	9,270.24

[a]These numbers differ from the corresponding numbers in Table C9 by more than four standard deviations.

Source: Energy Information Administration, Energy Price and Expenditure Data System.

Table C8. Regional and Division Energy Expenditures for Calendar Year 1980, by Fuel Type (Millions of Dollars)

Region	Electricity	Natural Gas	Fuel Oil/ Kerosene	LPG	Total
New England	2,067.72	815.91	2,212.48	150.30	5,084.43
Mid Atlantic	5,841.17	3,438.80	[a]3,858.97	212.62	13,351.56
Northeast	7,908.89	4,254.71	[a]6,071.45	362.92	[a]18,597.97
East North Central	6,587.26	5,394.83	1,441.42	881.19	14,304.70
West North Central	2,846.69	1,514.87	491.79	[a]805.96	5,659.31
North Central	9,433.95	6,909.70	1,933.20	1,687.15	[a]19,964.94
South Atlantic ...	7,619.05	1,431.39	1,575.45	589.85	11,215.74
East South Central	2,767.48	670.85	[a]174.52	443.34	4,056.19
West South Central	4,699.11	1,311.85	17.13	679.77	6,707.86
South	15,085.64	3,414.09	1,767.10	1,712.96	21,979.79
Mountain	1,737.52	832.31	59.24	260.59	2,889.66
Pacific	4,268.84	2,096.05	283.06	177.89	6,825.84
West	6,006.36	2,928.36	342.30	438.48	9,715.50
National Total ...	38,435	17,507	10,114	[a]4,202	70,258

[a]These numbers differ from the corresponding numbers in Table C10 by more than four standard deviations.

Source: Energy Information Administration, Energy Price and Expenditure Data System.

Table C9. Regional and Division Energy Consumption for Calendar Year 1980, by Fuel Type (Trillion Btu)

Region	Electricity	Natural Gas	Fuel Oil/ Kerosene	LPG	Total
New England	95.54	137.05	327.98	10.58	571.15
Mid Atlantic	294.98	767.65	[a]797.64	16.77	1,877.03
Northeast	390.52	904.70	[a]1,125.62	27.34	2,448.18
East North Central	405.47	1,514.93	135.85	92.72	2,148.97
West North Central	196.47	583.61	47.27	68.47	895.81
North Central ...	601.93	2,098.54	183.11	161.19	3,044.78
South Atlantic ..	518.53	415.61	265.94	85.04	1,285.12
East South Central	242.66	200.40	6.97	[a]28.39	478.42
West South Central	296.28	503.30	2.10	[a]31.58	833.26
South	1,057.46	1,119.31	275.01	145.01	2,596.80
Mountain	110.64	303.65	6.72	26.33	447.34
Pacific	307.52	602.77	31.90	15.23	957.42
West	418.16	906.42	38.62	41.56	1,404.76
National Total ..	2,468.08	5,028.97	1,622.36	[a]375.11	9,494.51

[a]These numbers differ from the corresponding numbers in Table C7 by more than four standard deviations.

Source: Energy Information Administration, 1980 Residential Energy Consumption Survey.

Table C10. Regional and Division Energy Expenditures for Calendar Year 1980, by Fuel Type (Million Dollars)

Region	Electricity	Natural Gas	Fuel Oil/ Kerosene	LPG	Total
New England	2,011	775	2,325	99	5,210
Mid Atlantic	6,270	3,626	[a]5,603	147	[a]15,646
Northeast	8,281	4,401	7,292	244	20,855
East North Central	6,398	5,247	944	624	13,213
West North Central	2,964	1,772	317	[a]423	5,476
North Central	9,362	7,019	1,261	1,047	[a]18,689
South Atlantic	8,195	1,757	1,853	628	12,433
East South Central	2,951	674	[a]48	[a]190	3,863
West South Central	4,317	1,626	14	211	6,168
South	15,463	4,056	1,914	1,029	22,462
Mountain	1,658	950	45	169	2,822
Pacific	4,118	2,061	223	127	6,529
West	5,775	3,011	268	295	9,349
National Total	38,882	18,486	11,372	[a]2,616	71,356

[a]These numbers differ from the corresponding numbers in Table C8 by more than four standard deviations.

Source: Energy Information Administration, 1980 Residential Energy Consumption Survey.

Table C11. Regional and Division Energy Consumption Lower Bounds for Relative Standard Errors for 1980-1981 Heating Season, by Fuel Type (Percent)

Region	Electricity	Natural Gas	Fuel Oil/ Kerosene	LPG	Total
New England	7.7	16.7	8.3	48.0	6.9
Mid Atlantic	4.8	15.6	6.5	Q	4.3
Northeast	4.0	13.3	5.6	36.3	2.6
East North Central	7.1	5.4	19.9	18.9	3.0
West North Central	6.2	10.9	33.8	18.7	7.8
North Central	4.6	4.7	14.9	15.9	2.3
South Atlantic	4.7	17.1	18.1	25.3	4.9
East South Central	8.8	14.6	53.5	17.4	6.8
West South Central	9.3	6.4	93.8	41.1	5.0
South	3.0	8.3	17.7	17.5	3.2
Mountain	6.4	9.8	90.7	21.4	5.6
Pacific	4.5	7.0	19.5	33.2	4.0
West	4.2	5.1	23.5	16.8	2.5
National Total	1.9	3.8	5.5	9.0	1.5

Note: Q = Greater than 50 percent.

Source: Energy Information Administration, 1980 Residential Energy Consumption Survey.

Table C12. Regional and Division Energy Expenditures Lower Bounds for Relative Standard Errors for 1980-1981 Heating Season, by Fuel Type (Percent)

Region	Electricity	Natural Gas	Fuel Oil/ Kerosene	LPG	Total
New England	7.9	15.8	8.4	43.3	7.0
Mid Atlantic	3.2	11.2	6.4	47.6	2.6
Northeast	2.6	9.5	5.5	36.3	1.9
East North Central	4.6	5.8	20.0	18.9	2.9
West North Central	6.8	10.1	32.9	19.5	7.4
North Central	3.0	4.9	15.0	16.0	1.7
South Atlantic	7.6	15.5	18.0	24.6	6.5
East South Central	8.8	13.5	52.7	17.8	7.6
West South Central	8.5	7.9	94.2	39.5	6.7
South	3.6	8.4	17.6	17.1	3.4
Mountain	5.0	9.4	90.3	21.4	4.5
Pacific	4.2	6.5	19.9	28.4	4.0
West	3.1	4.7	23.4	15.7	2.5
National Total	2.0	3.5	5.4	9.1	1.5

Source: Energy Information Administration, 1980 Residential Energy Consumption Survey.

Comparison of the EPEDS and NBECS Data System

Description of Data Sources

The EPEDS provides calendar year, state-level energy expenditures by fuel and sector from 1970 through 1980. The SEDS provides corresponding data for energy consumption. Prices can be generated from these two variables by dividing aggregated expenditures by aggregated consumption.

For the following analysis, the EPEDS data are aggregated to the 4-Census-Region level and were compared with regional data from the Nonresidential Buildings Energy Consumption Survey (NBECS). The NBECS is a national probability sample survey of the population of nonresidential buildings in the 48 contiguous States and the District of Columbia as of January 1, 1980. In addition to data on building characteristics, fuel end uses, and conservation practices, the survey collected information on consumption and expenditures for fuels supplied to the sample buildings. These data were collected by means of a separate survey of fuel suppliers. Suppliers were identified during the building interview and were given permission to respond in the form of a waiver signed by an authorized building representative. The NBECS consumption, expenditures, and price data are for calendar year 1979, which suggests that they can be compared directly with 1979 EPEDS data. However, there are differences in coverage between the EPEDS and the NBECS that complicate the comparison. The NBECS covers energy use associated with buildings, and thus excludes energy consumed in nonbuilding structures (such as bridges, pumps, towers, and road signs) and energy consumed in the nonstructural subsector. On the other hand, the NBECS includes buildings that are partially or primarily residential, if there is evidence of commercial activity in the building. Further information about the design of the NBECS can be found in survey data reports.

Conclusion

Table C13 compares EPEDS and NBECS regional estimates of 1979 consumption, expenditures, and price for the four fuels most commonly used in the commercial sector. There are large differences between the two data systems for all fuels and within all regions. However, the relatively large sampling errors for electricity and natural gas estimates in the NBECS obscure some of the differences (see Table C14). Error estimates for fuel oil and LPG are not yet available, but they can be expected to be larger relative to the size of the statistics of interest than the corresponding errors for electricity and natural gas, the two most commonly used fuels. Two notable features of Table C13 are (1) the large differences between NBECS and EPEDS data in consumption and expenditures for electricity, natural gas, and fuel oil in the West region, and (2) the relatively large price differences between the two data systems for electricity. The electricity price differences may be largely due to sampling variability in the NBECS. The same may be said for the large consumption, expenditures and price differences that occur for LPG.

The relatively large variability in the NBECS estimates and the differences in coverage between the two data systems make it impossible to judge the relative validity of their consumption and expenditures and price estimates in cases where they are different.

Table C13. Regional Energy Consumption, Expenditures and Prices for Calendar Year 1979, by Fuel Type

Fuel Type and Region	Consumption (Trillions of Btu)		Expenditures (Million of Dollars)		Price per Million Btu (Dollars)	
	NBECS	EPEDS	NBECS	EPEDS	NBECS	EPEDS
Electricity						
National	2,092	1,830	26,114	25,415	12.48	13.8
Northeast	461	355	7,106	6,416	15.43	18.0
North Central	660	[a]436	7,820	6,014	11.85	[a]13.7
South	717	654	8,438	8,316	11.77	12.7
West	255	[a]385	2,749	[a]4,668	10.78	12.1
Natural Gas						
National	2,357	[a]2,777	6,362	[a]7,598	2.70	2.7
Northeast	516	389	1,555	1,321	3.01	[a]3.4
North Central	1,066	1,092	2,711	2,746	2.55	2.5
South	488	[a]844	1,317	[a]2,225	2.70	2.6
West	290	[a]452	780	1,306	2.69	2.8
Fuel Oil						
National	791	1,159	3,257	4,535	4.12	3.9
Northeast	364	533	1,502	2,110	4.13	3.9
North Central	141	172	603	685	4.28	3.9
South	257	375	1,021	1,450	3.98	3.8
West	29	79	131	290	4.44	3.6
LPG						
National	53	101	271	408	5.15	4.0
Northeast	4	8	23	32	6.38	4.0
North Central	19	44	93	168	4.87	3.8
South	19	40	103	167	5.44	4.1
West	11	9	52	41	4.80	4.5

[a]An approximate 95 percent confidence interval for an NBECS estimate can be created by adding and substracting two standard errors from the estimate. The footnotes denote comparisons for which the EPEDS estimate lies outside the 95 percent confidence interval. Standard errors for the NBECS estimates are shown in Table C14.

Source: Energy Information Administration, Nonresidential Buildings Energy Consumption Survey and the Energy Price and Expenditure Data System.

Table C14. Regional Standard Errors for Electricity and Natural Gas

Region	Electricity			Natural Gas		
	Consumption (Btux10)	Expenditures (Dollarsx10)	Price/ MMBtu (Dollars)	Consumption (Btux10)	Expenditures (Dollarsx10)	Price/ MMBtu (Dollars)
Northeast ...	59	1,030	0.97	63	171	0.13
North Central	64	751	0.20	140	339	0.08
South	86	1,131	0.92	91	219	0.15
West	35	550	1.13	56	123	0.15
National Total	146	2,063	0.46	186	471	0.06

Source: Energy Information Administration, Nonresidential Buildings Energy Consumption Survey.

Appendix D

Conversion Factors

ELECTRICITY = 3,412/KILOWATT HOUR

Appendix D

Conversion Factors

Fuel/Sector	Conversion Factors
Metallurgical Coal:	
Industrial Sector	26.0 Million Btu/Ton
Steam Coal:	
Residential, Commercial, and Industrial Sectors	See Table D1
Electric Utility Sector	Conversion Factors Embedded in Data
Electricity:	
All Sectors	3,412 Btu/Kilowatt
Natural Gas:	
Residential, Commercial, Industrial and Transportation Sectors	See Table D2
Electric Utility Sector, 1967-1972	See Table D2
Electric Utility Sector, 1973-1980	Conversion Factors Embeded in Data
Distillate Fuel Oil:	
Residential, Commercial, and Industrial Sectors	0.13869 Million Btu/Gallon
Transportation Sector	0.14 Million Btu/Gallon
Electric Utility Sector	Conversion Factors Embedded in Data
Motor Gasoline:	
Transportation Sector	0.2507 Million Btu/Gallon
Kerosene:	
Residential and Industrial Sectors	0.135 Million Btu/Gallon
Jet Fuel:	
Transportation and Electric Utility Sectors	0.135 Million Btu/Gallon
Aviation Gasoline:	
Transportation Sector	0.120 Million Btu/Gallon

Appendix D (Continued)

Liquefied Petroleum Gas:

Residential Sector	1970-1978	0.0918 Million Btu/Gallon
	1979-1980	0.0916 Million Btu/Gallon
Industrial Sector	1970	0.0900 Million Btu/Gallon
	1971	0.0898 Million Btu/Gallon
	1972	0.0895 Million Btu/Gallon
	1973	0.0892 Million Btu/Gallon
	1974	0.0888 Million Btu/Gallon
	1975	0.0885 Million Btu/Gallon
	1976	0.0884 Million Btu/Gallon
	1977	0.0875 Million Btu/Gallon
	1978	0.0874 Million Btu/Gallon
	1979	0.0876 Million Btu/Gallon
	1980	0.0876 Million Btu/Gallon

Residual Fuel Oil:

Commercial, Industrial, and Transportation Sectors	6.287 Million Btu/Barrel
Electric Utility	Conservation Factors Embedded in Data

Asphalt:

Industrial Sector	0.158 Million Btu/Gallon

Lubricants:

Industrial and Transportation Sectors	0.1444 Million Btu/Gallon

Road Oil:

Industrial Sector	0.158 Million Btu/Gallon

Petroleum Coke:

Electric Utility Sector	6.024 Million Btu/Barrel

Minor Petroleum Products:

Industrial Sector	
Still Gas	6.000 Million Btu/Barrel
Petroleum Coke	6.024 Million Btu/Barrel
Special Naptha	5.248 Million Btu/Barrel
Waxes	5.537 Million Btu/Barrel
Petrochemical Feedstocks	
Naptha 400°	5.248 Million Btu/Barrel
Gas Oils Over 400°	5.825 Million Btu/Barrel
Still Gas	6.000 Million Btu/Barrel
Natural Gasoline	4.620 Million Btu/Barrel
Plant Condensate	5.418 Million Btu/Barrel
Unfractionated Stream	5.418 Million Btu/Barrel
Miscellaneous Products	5.796 Million Btu/Barrel

[1]Nuclear:

Electric Utility Sector	1970	11.107 Thousand Btu/kWh
	1971	10.429 Thousand Btu/kWh
	1972	10.789 Thousand Btu/kWh
	1973	10.903 Thousand Btu/kWh
	1974	11.161 Thousand Btu/kWh
	1975	11.013 Thousand Btu/kWh
	1976	11.047 Thousand Btu/kWh
	1977	10.769 Thousand Btu/kWh
	1978	10.941 Thousand Btu/kWh
	1979-1980.....	10.640 Thousand Btu/kWh

[2]Wood and Waste:

Electric Utility Sector	1970	10.494 Thousand Btu/kWh
	1971	10.478 Thousand Btu/kWh
	1972	10.379 Thousand Btu/kWh
	1973	10.389 Thousand Btu/kWh
	1974	10.442 Thousand Btu/kWh
	1975	10.406 Thousand Btu/kWh
	1976	10.373 Thousand Btu/kWh
	1977-1980	10.435 Thousand Btu/kWh

[1]The nuclear power conversion factors represent the heat released in reactors.

[2]The conversion factors for wood and waste consumed in electric utility powerplants are the prevailing heat rate factors at fossil fuel steam electric powerplants. By using the heat rate factor, it is possible to evaluate fossil fuel requirements if wood and waste were not available.

Table D1. Conversion Factors for Steam Coal, Residential Sector (Million Btu per Ton)

Year	Million Btu/ton
1970-1972	26.00
1973	26.84
1974	26.12
1975	25.81
1976	25.87
1977	25.13
1978	25.07
1979	25.06
1980	25.97

Source: Energy Information Administration, Monthly Energy Review.

Table D2. Natural Gas Btu Conversion Factors (Btu per Cubic Foot)

State	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
Alaska	1,005	1,005	1,005	1,010	1,005	1,005	1,005	1,005.0	1,000.0	1,000.0	1,003
Alabama	1,032	1,032	1,031	1,029	1,028	1,029	1,030	1,031.0	1,032.5	1,028.4	1,034
Arkansas	1,002	1,002	1,004	999	99	997	997	1,021.0	1,000.9	1,017.0	1,001
Arizona	1,068	1,068	1,059	1,056	1,065	1,052	1,052	1,056.0	1,064.7	1,045.4	1,049
California	1,062	1,062	1,054	1,053	1,056	1,057	1,053	1,052.0	1,053.2	1,049.7	1,046
Colorado	981	981	974	962	967	913	914	900.0	875.9	892.4	993
Connecticut	1,016	1,016	1,016	1,015	1,012	1,005	1,008	1,010.0	1,013.0	1,011.7	1,022
District of Columbia	1,019	1,019	1,016	1,013	1,012	1,012	1,012	1,016.0	1,016.0	1,016.0	1,003
Delaware	1,031	1,031	1,020	1,020	1,020	1,020	1,025	1,030.0	1,030.9	1,031.1	1,035
Florida	1,045	1,045	1,041	1,043	1,043	1,043	1,041	1,045.0	1,047.0	1,037.3	1,041
Georgia	1,037	1,037	1,031	1,030	1,028	1,027	1,027	1,027.0	1,027.9	1,039.0	1,032
Hawaii	-	-	962	935	921	947	911	949.0	958.0	950.0	963
Iowa	1,015	1,015	1,009	1,012	1,011	1,008	1,008	1,004.0	1,002.2	1,002.3	1,003
Idaho	1,042	1,042	1,061	1,058	1,042	1,055	1,057	1,060.0	1,053.4	1,047.1	1,053
Illinois	1,029	1,029	1,025	1,023	1,023	1,026	1,025	1,028.0	1,018.3	1,024.4	1,022
Indiana	1004	1004	1006	998	997	990	990	990.0	989.0	990.4	989
Kansas	993	993	998	988	986	984	981	981.0	977.8	987.0	987
Kentucky	1,020	1,020	1,017	1,019	1,015	1,008	1,011	1,011.0	1,009.4	1,009.4	1,009
Louisiana	1,021	1,021	1,029	1,031	1,030	1,037	1,038	1,038.0	1,044.7	1,036.9	1,038
Massachusetts	1,012	1,012	1,012	1,011	1,009	1,004	1,006	1,007.0	1,009.1	1,009.1	1,016
Maryland	1,023	1,023	1,022	1,020	1,020	1,013	1,014	1,016.0	1,030.1	1,044.8	1,020
Maine	1,021	1,021	1,012	1,011	1,011	1,024	1,024	1,024.0	1,024.0	1,000.0	1,024
Michigan	1,015	1,015	1,015	1,010	1,007	1,012	1,008	1,006.0	1,005.5	1,005.3	1,011
Minnesota	1,006	1,006	1,002	999	1,001	1,001	998	997.0	996.7	995.3	997
Missouri	1,014	1,014	1,007	995	1,005	1,006	1,003	1,002.0	1,003.8	979.5	1,014
Mississippi	1,025	1,025	1,025	1,024	1,025	1,023	1,023	1,025.0	1,021.2	1,024.3	1,028
Montana	1,016	1,016	1,032	1,032	1,022	1,021	1,014	1,009.0	1,000.5	990.1	1,012
North Carolina	1,025	1,025	1,024	1,027	1,025	1,018	1,018	1,019.0	1,020.8	1,021.9	1,012
North Dakota	1,020	1,020	1,031	1,024	1,027	1,025	1,001	1,000.0	1,000.0	1,000.0	1,052
Nebraska	1,003	1,003	1,008	1,005	1,002	994	994	998.0	997.8	993.8	978
New Hampshire	1,010	1,010	1,010	1,008	1,007	1,010	1,010	1,000.0	1,007.3	1,040.0	1,020
New Jersey	1,032	1,032	1,026	1,027	1,026	1,031	1,034	1,034.0	1,035.0	1,035.0	1,033
New Mexico	1,091	1,091	1,083	1,067	1,062	1,064	1,057	1,057.0	1,055.0	1,056.4	1,043
Nevada	1,070	1,070	1,082	1,067	1,067	1,067	1,049	1,027.9	1,013.9	1,013.9	1,061
New York	1,021	1,021	1,021	1,030	1,023	1,015	1,014	1,011.0	1,011.9	1,015.5	1,025
Ohio	1,027	1,027	1,023	1,025	1,026	1,023	1,025	1,024.0	1,023.0	1,024.9	1,016
Oklahoma	1,028	1,028	1,032	1,023	1,032	1,015	1,014	1,027.0	1,023.9	1,023.5	1,023
Oregon	1,050	1,050	1,045	1,059	1,044	1,039	1,036	1,042.0	1,045.1	1,044.8	1,046
Pennsylvania	1,033	1,033	1,033	1,024	1,024	1,025	1,025	1,021.0	1,021.5	1,020.6	1,022
Rhode Island	1,032	1,032	1,021	1,016	1,013	1,014	1,013	1,013.0	1,012.9	1,011.3	1,021
South Carolina	1,032	1,032	1,028	1,026	1,025	1,024	1,023	1,022.0	1,032.0	1,018.1	1,033
South Dakota	1,005	1,005	1,004	1,002	999	1,000	999	1,000.0	999.2	995.6	998
Tennessee	1,031	1,031	1,022	1,022	1,020	1,031	1,029	1,031.0	1,028.0	1,032.6	1,016
Texas	1,033	1,033	1,027	1,027	1,027	1,027	1,026	1,025.0	1,027.0	1,028.1	1,033
Utah	932	932	938	945	952	950	948	950.0	956.2	959.8	1,086
Virginia	1,029	1,029	1,026	1,025	1,022	1,019	1,019	1,023.0	1,020.8	1,021.4	1,016
Vermont	1,020	1,020	1,006	1,008	1,008	1,008	1,008	1,008.0	1,010.5	1,010.1	990
Washington	1,059	1,059	1,055	1,051	1,047	1,042	1,041	1,045.0	1,047.6	1,046.9	1,052
Wisconsin	1,022	1,022	1,019	1,015	1,015	1,020	1,017	1,015.0	1,012.3	1,012.9	1,032
West Virginia	1,034	1,034	1,029	1,030	1,023	1,037	1,043	1,042.0	1,031.4	1,023.7	1,008
Wyoming	992	992	1,023	1,017	996	934	950	937.0	913.7	929.2	1,060
United States	1,029	1,029	1,027	1,021	1,024	1,021	1,020	1,021.0	1,019.0	1,020.8	1,026

Note: "-" equals not applicable
Source: Energy Information Administration, Energy Price and Expenditure Data System.

Table D3. Gross National Product Implicit Price Deflators Used in Summary of Findings to Convert Nominal Dollars to 1980 Real Dollars Over the Historical Time Period, 1970-1980

Year	1972 = 100.00 Column A	1980 = 100.00 [1] Column B
1970	91.45	51.19
1971	96.01	53.74
1972	100.00	55.99
1973	105.75	59.20
1974	115.08	64.42
1975	125.79	70.42
1976	132.34	74.08
1977	140.05	78.40
1978	150.42	84.20
1979	163.42	91.48
1980	178.64	100.00

[1]Column B: Implicit Price Deflators in Column B for a given year were developed by dividing the price deflator for that year in Column A by the 1980 Implicit Price Deflator from Column A.

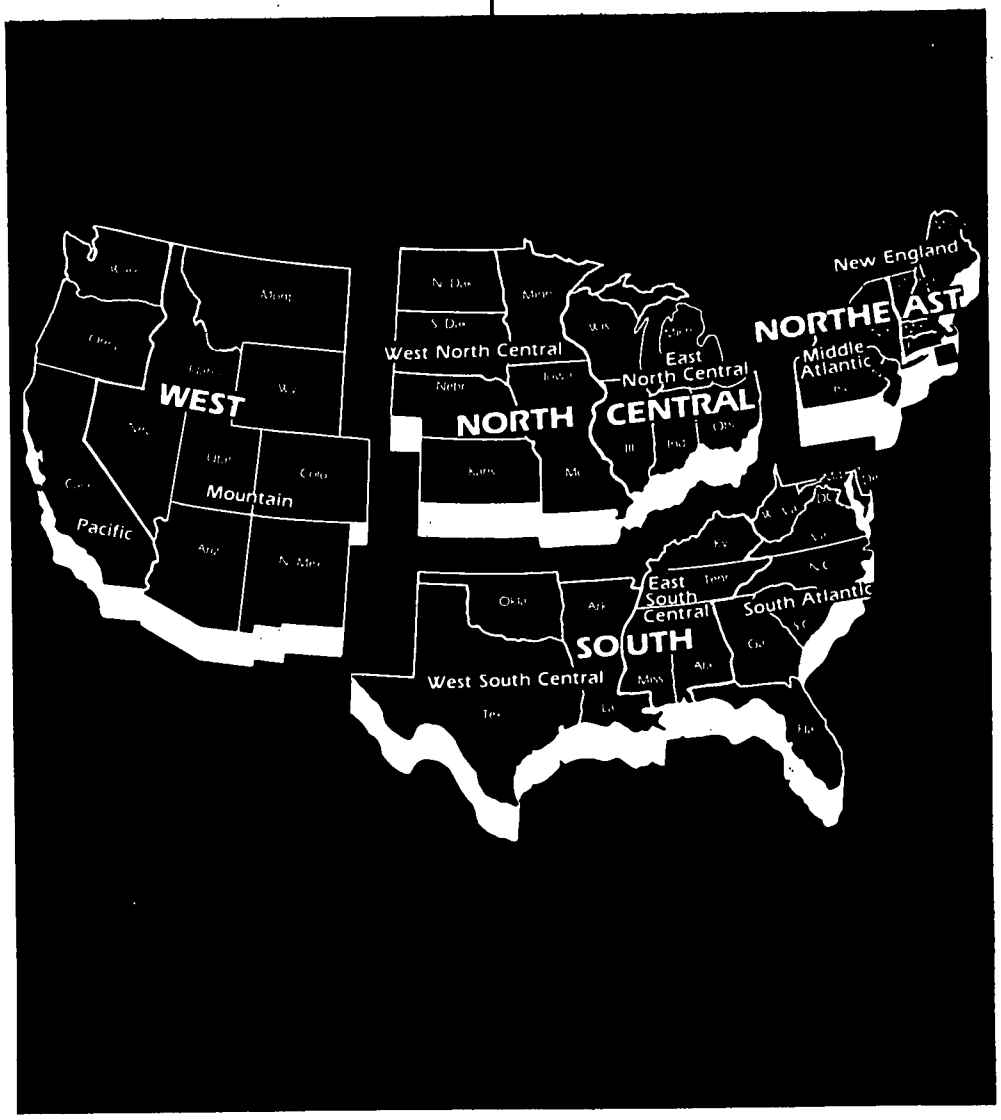
Source: Column A: NATIONAL INCOME AND PRODUCT ACCOUNTS OF THE UNITED STATES 1929-1976 STATISTICAL TABLES, Table 7.1 Implicit Price Deflator for Gross National Product: Annual, 1929-1976 Seasonally Adjusted 1947-1976, Page 319, for the Years 1960 to 1972.

SURVEY OF CURRENT BUSINESS, July 1982, Volume 62 Number 7, Table 2, Correction for the NIPA Tables, 1973-76 showing Both Annual and Quarterly Data, Page 132, for the Years 1973 to 1975.

SURVEY OF CURRENT BUSINESS, July 1982, Volume 62 Number 7, Table 7.1, Implicit Price Deflators forGross National Product, Page 99, for the Years 1976 to 1981.

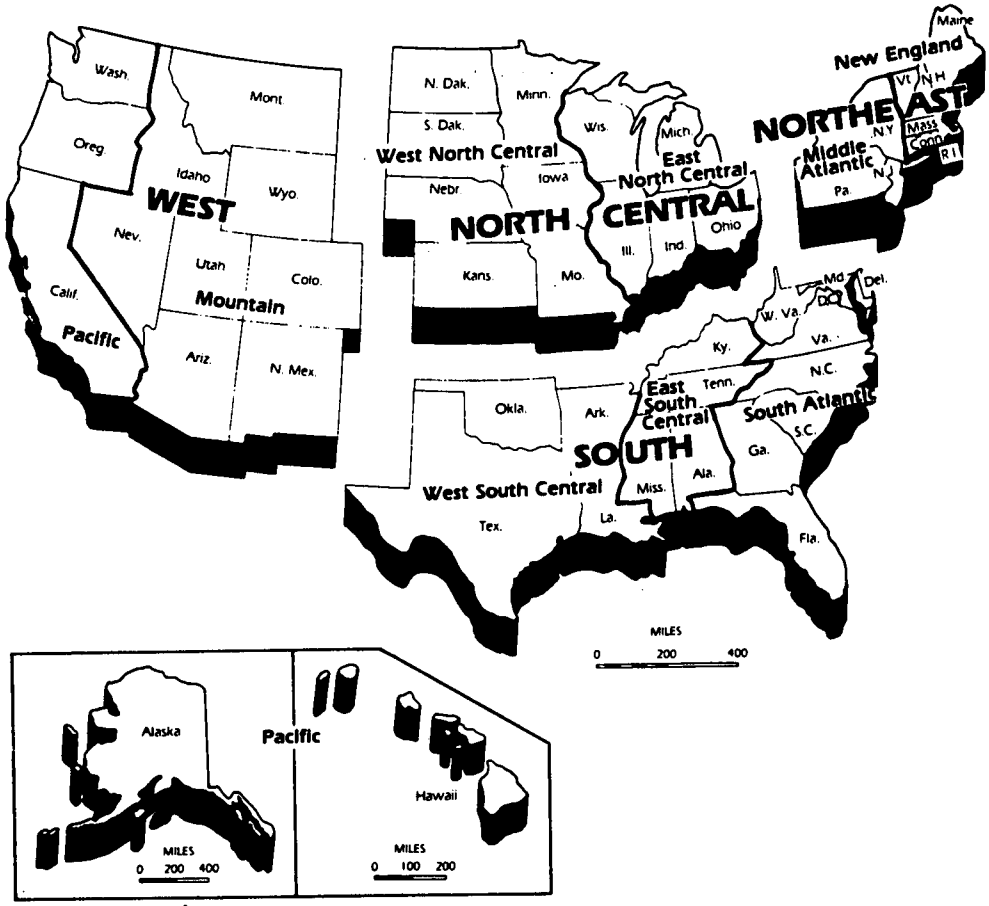
Appendix E

United States Census Regions and Divisions



Appendix E

U.S. Census Regions and Divisions



Appendix F

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Appendix F

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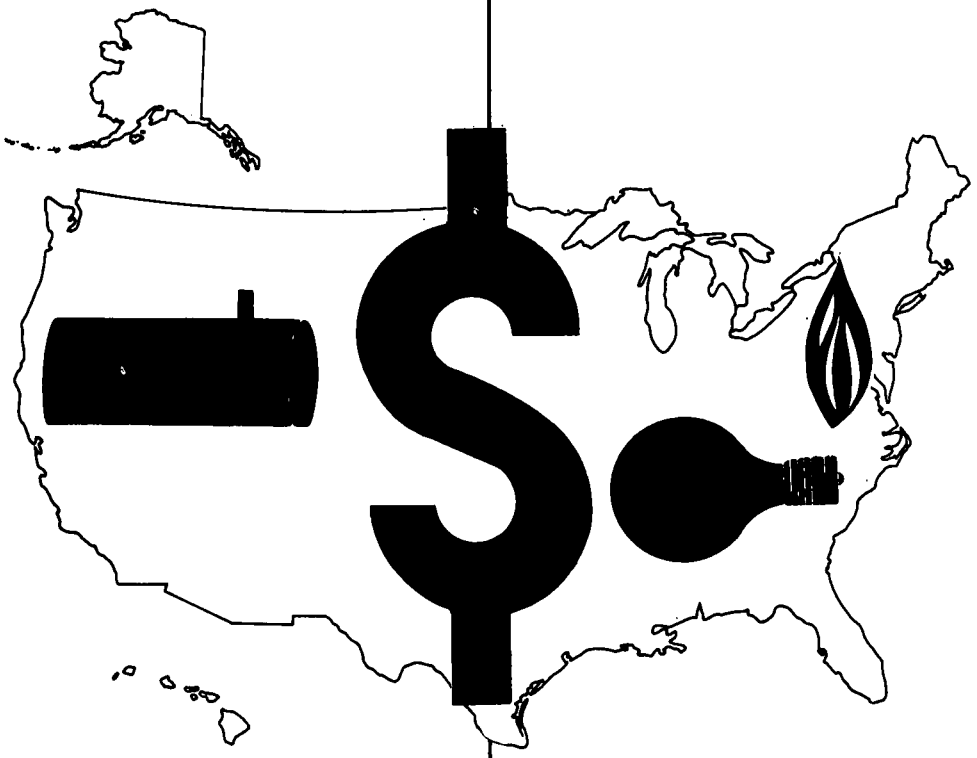
Glossary



Glossary

Anthracite: A hard, black, lustrous coal containing a high percentage of fixed carbon and a low percentage of volatile matter. Often referred to as hard coal. Includes meta-anthracite and semi-anthracite. Conforms to ASTM specification D388 for anthracite.

Asphalt: A dark brown to black cement-like material. The predominating constituents are bitumens, which are obtained in petroleum processing. Its consistency can vary from a liquid to a solid. It is used as a base for road surfacing and for other adhesive or protective purposes. Statistics include crude asphalt and finished products such as asphalt cements and fluxes and the asphalt content of emulsions.

Aviation Gasoline: All special grades of gasoline for use in aviation reciprocating engines, as given in ASTM Specification D910. Statistically, it includes all refinery products within the gasoline range or additives that are blended in finished aviation gasoline.

Bituminous Coal: A coal that is high in carbonaceous matter has a volatility greater than anthracite and a calorific value greater than lignite. Often referred to in the United States as soft coal. Includes sub-bituminous coal and conforms to ASTM Specification D388 for bituminous and sub-bituminous coal.

Btu (British Thermal Unit): The standard unit for measuring the quality of heat energy; equal to the quantity of heat required to raise the temperature of one pound of water by one degree Fahrenheit. An average Btu content of fuel is a heat value per unit of quantity of fuel as determined from tests of fuel samples. Examples: Btu per pound of coal, Btu per gallon of oil, and Btu per cubic foot of gas.

Coal: Anthracite, bituminous coal, and lignite.

Coal Coke: Bituminous coal from which constituents have been driven off by heat so that the fixed carbon and the ash are fused together. It is used primarily in blast furnaces for smelting ores, especially iron ore.

Distillate Fuel Oil: A light fuel oil distilled off during the refining process. Included are products known as Nos. 1 and 2 heating oils, diesel fuels, and No. 4 fuel oil, which conform to either ASTM Specification D396 or D975. These products are used primarily for space heating, on- and off-highway diesel engine fuel (including railroad engine fuel), and electric power generation.

Ethane: A normally gaseous, colorless hydrocarbon recovered as a liquid at natural gas processing plants and refineries. It is used primarily as petrochemical feedstock or eventual production of chemicals and plastic materials.

Hydroelectric Power: Electricity generated by an electric powerplant whose turbines are driven by falling water.

Jet Fuel: Includes both naptha- and kerosene-type jet fuel meeting standards for use in aircraft turbine engines or meeting ASTM Specification D1655. Although most jet fuel is used in aircraft, some are used for other purposes, such as fuel for gas turbines to produce electricity.

Kerosene: A petroleum middle distillate having burning properties suitable for use as an illuminant when burned in wick lamps. It includes grades of kerosene called range oil having properties similar to No. 1 fuel oil, and is used primarily in space heaters, cooking stoves, and water heaters.

Lignite: A brownish-black coal of low rank with high inherent moisture and volatile matter. It is also referred to as brown coal. It conforms to ASTM Specification D388 for lignite and is used almost exclusively for electric power generation.

Liquefied Petroleum Gases: Propane, propylene, butylene, ethane-propane mixtures, propane-butane mixtures, and isobutane produced at refineries or natural gas processing plants, including plants that fractionate raw natural gas plant liquids.

Lubricants: All lubricating oils containing more than 50 percent by volume of refined petroleum distillate of specially treated petroleum residuum. Included are lubricating greases, lube base stocks, and all grades of lubricating oils from spindle oil and cylinder oil to those used in greases.

Metallurgical Coal: Named according to its end use, it is a high quality bituminous coal that is used to make coke. (See Coal Coke).

Miscellaneous Petroleum Products: Includes all finished products such as petroleum, absorption oils, ram-jet fuel, petroleum rocket fuels, synthetic natural gas feedstock, and other finished products shipped to other than petroleum refineries. Excludes finished petrochemicals.

Motor Gasoline: A complex mixture of relatively volatile hyrdocarbons, with or without small quantities of additives, that have been blended to form a fuel suitable for use in spark ignition engines. Included are leaded and unleaded products and all refinery products listed in ASTM Specification D439.

Natural Gas: A mixture of hydrocarbon compounds and small quantities of various nonhydrocarbons existing in the gaseous phase or in solution with crude oil in natural underground reservoirs at reservoir conditions. The designation "dry" represents the marketable portion of natural gas production that is obtained by subtracting extraction losses from total production.

Nuclear Power: Electricity generated at an electric powerplant whose turbines are driven by steam generated in a reactor by heat from the fissioning of nuclear fuel.

Other Coal: In this report, other coal represents all coal consumed with the exception of metallurgical coal which is consumed in coking plants.

Petrochemical Feedstock: Refined petroleum products used for processing at a petrochemical plant.

Petroleum: A generic term applied to oil and oil products in all forms, such as crude oil, lease condensate, unfinished oils, refined petroleum products, natural gas plant liquids, and nonhydrocarbon compounds blended into finished petroleum products.

Petroleum Coke: A solid residual; the final product of the condensation process in cracking. It consists of aromatic hydrocarbons very poor in hydrogen. Calcination of petroleum coke can yield almost pure carbon or artificial graphite suitable for production of carbon or graphite electrodes, structural graphite, motor brushes, dry cells, and similar products.

Petroleum Products: Products obtained from the processing of crude oil, unfinished oils, natural gas liquids, and other miscellaneous hydrocarbon compounds. Includes aviation gasoline, motor gasoline, naptha-type jet fuel, kerosene-type jet fuel, kerosene, distillate fuel oil, residual fuel oil, ethane, liquefied petroleum gases, petrochemical feedstocks, special napthas, lubricants, paraffin wax, petroleum coke, asphalt, road oil, still gas, and miscellaneous products.

Plant Condensate: One of the natural gas plant liquids, mostly pentanes and heavier hydrocarbons, separated and recovered as liquids at gas inlet separators or scrubbers in natural gas processing plants. Plant condensate is not suitable for blending into finished motor gasoline. It is usually either blended with crude oil for distilling or processed at other refinery units.

Propane: A colorless, highly volatile hydrocarbon that is gaseous at ordinary atmospheric conditions, and readily recovered as a liquid at natural gas processing plants and refineries. It is used primarily for residential and commercial heating and cooling, and also as a fuel for transportation and industrial uses, including petrochemical feedstock uses.

Residual Fuel Oil: The heavier oils that remain after the distillate fuel oils and lighter hydrocarbons are boiled off in refinery operations. Included are products known as Nos. 5 and 6 fuel oil that conform to ASTM Specification D396, heavy diesel oil, Navy Special fuel oil, Bunker C fuel oil, and acid sludge and pitch used as refinery fuels. Residual fuel oil is used for the production of electric power, space heating, vessel bunkering, and various industrial purposes.

Road Oil: Any heavy petroleum oil, including residual asphaltic oils, used as a dust palliative and for surface treatment of roads and highways. It is generally produced in six grades from 0, the most liquid, to 5, the most viscous.

Special Napthas: All finished products within the gasoline range, specially refined to a specified flash point and boiling range, for use as paint thinners, cleaners, and solvents, including commercial hexane conforming with ASTM Specification D1836, and cleaning solvent conforming to ASTM Specification D484. Excluded are napthas to be blended or marketed as motor gasoline or aviation gasoline, or used as petrochemcial and synthetic natural gas (SNG) feedstock.

Steam Coal: Named according to its end uses, steam coal is anthracite, bituminous, or lignite that is burned for its heat, often to produce steam.

Still Gas (Refinery Gas): Any form or mixture of gas produced in refineries by cracking, and other processes, the principal constituents of which are methane and ethane. It is used primarily as refinery fuel.

Unfractionated Streams: Mixtures of unsegregated natural gas plant liquid components, including those liquids recovered and separated at raw natural gas inlet scrubbers and separators.

Glossary (Continued)

Wax: Wax removed from petroleum distillates and residuals by chilling, dewaxing, and de-oiling. When separated from solutions it is a colorless, more or less translucent, crystalline mass, slightly greasy to touch, and consisting of a mixture of solid hydrocarbons in which the paraffin series predominates. Included are all marketable waxes, whether crude, scale, or refined. Used in three grades: microcrystalline, crystalline-fully refined, and other crystalline. Used primarily as industrial coatings for surface protection.

Wood and Waste: (As Used in Electric Utilities) - Wood chips, sawdust, hogged fuel, garbage, chemically inert gas, bagasse, and sewerage plant gas used for the generation of electricity.

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