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Residential Energy Consumption Survey:

Consumption and Expenditures, April 1982 Through March 1983

Part 2: Regional Data

Published: December 1984

Energy Information Administration
Washington, D.C.

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and End Use
Energy End Use Division
U.S. Department of Energy
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Summary of Findings

This report is the third in a continuing series of reports[1] presenting data from the 1982[2] Residential Energy Consumption Survey (RECS). Included here are data, at the Census region and division level, for consumption and expenditures of the major fuels used in the household--electricity, natural gas, fuel oil/kerosene[3], and liquefied petroleum gas (LPG). Data are also presented for wood consumption.

This report includes a summary of the highlights within each of the four Census regions: Northeast, North Central, South, and West. A map of the States included in a region may be found at the beginning of the summary for that region. Tables displaying the data by Census region and division follow the summary.

---

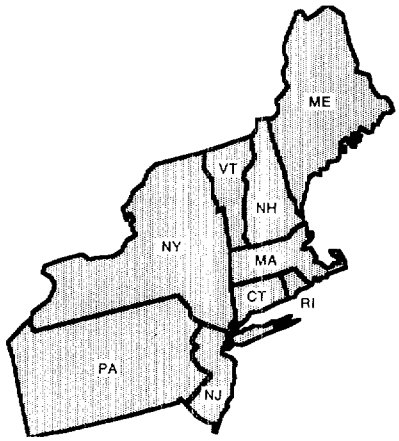
[1]The other reports are Residential Energy Consumption Survey: Housing Characteristics 1982, DOE/EIA-314(82), (Washington, D.C., August 1984) and Residential Energy Consumption Survey: Consumption and Expenditures, April 1982 through March 1983, Part 1: National Data, DOE/EIA-0321(82), Washington, D.C., December 1984. A series of analytical reports is planned that will provide an in-depth analysis of issues within each Census region over the 5 years of the RECS surveys.

[2]Throughout these summaries, "1982" refers to the period from April 1982 through March 1983, and "1981" refers to the period from April 1981 to March 1982.

[3]"Fuel oil/kerosene" is a category that combines data for fuel oil and kerosene.

Summary of Findings (Continued)

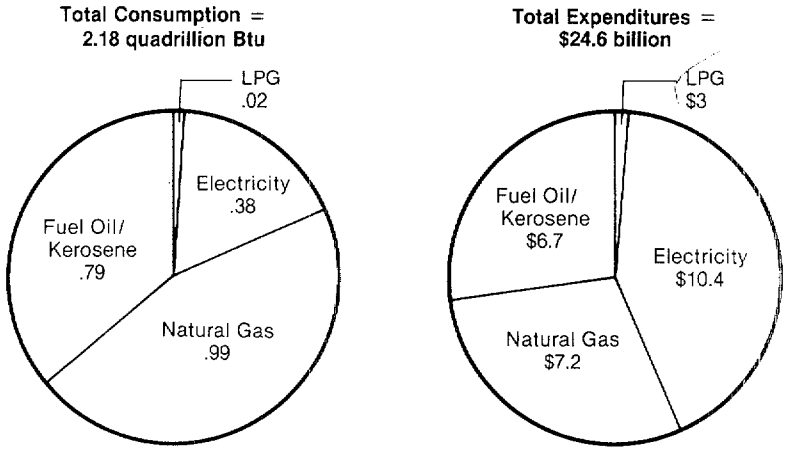
Northeast Census Region



Total Energy Consumption and Expenditures

The 18.0 million households in the Northeast consumed a total of 2.18 (±.22)[4] quadrillion Btu of electricity, natural gas, fuel oil/kerosene, and LPG in 1982. Expenditures for these fuels totaled $24.6 (±2.5) billion. As shown in Figure 1, natural gas consumption accounted for the largest portion of total energy consumption, 45 (±1) percent, while money spent on electricity accounted for the largest portion of total energy expenditures, 42 (±3) percent.

Figure 1. Northeast Region: Distributions of Total Residential Energy Consumption and Expenditures, 1982



Source: Table 1. Energy Information Administration, 1982 Residential Energy Consumption Survey.

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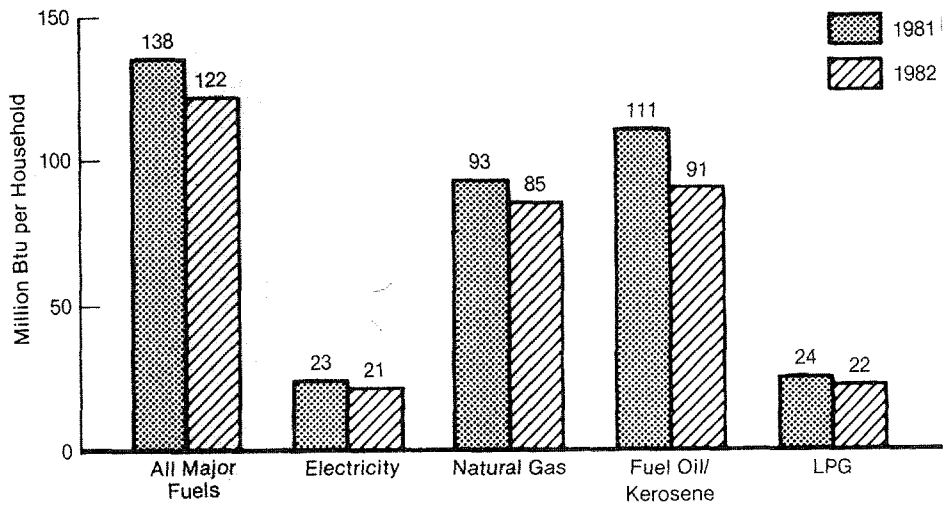
[4]The ± value in parentheses after a statistic quoted in the text represents two standard errors of the statistic. The standard error is a measure of the variability of an estimate that is based on a sample survey. A 95 percent confidence interval can be approximated by taking twice the standard error and subtracting this value from the statistic to obtain the lower end of the interval. Adding twice the standard error to the statistic will give the upper end of the interval. A 95 percent confidence interval means that if we repeated the survey using all possible samples, 95 percent of all intervals calculated in this way should contain the true value of the statistic.

Summary of Findings (Continued)

Consumption and Expenditures per Household

Figure 2. Northeast Region: Average Household Energy Consumption, 1981 and 1982

Average consumption of all major fuels used in the household dropped in the Northeast from 138 (±8) million Btu in 1981 to 122 (±6) million Btu in 1982. Fuel oil/kerosene showed the largest decrease in per household consumption,[5] declining from 111 (±7) million Btu in 1981 to 91 (±5) million Btu in 1982 (Figure 2).



Source: Energy Information Administration, 1981 and 1982 Residential Energy Consumption Surveys. For 1982 data, see Tables 2, 4, 5, 6, and 7.

One of the major determinants of residential energy consumption is the demand placed on heating by the weather, as measured by the number of heating degree-days (See NOTE TO THE READER, page ___). The weather was warmer in 1982 than in 1981, with an average of 5,739 (±184) heating degree days, compared with 6,416 (±206) heating degree-days in 1981.[6]

[5] Throughout this report, average fuel consumption or expenditures for a specific fuel applies only to the households which the fuel, unless noted otherwise. To approximate the average for all major fuels, multiply the average for a specific fuel by the proportion of households that use each fuel, and add the totals for the four fuels.

[6] For a discussion of the heating degree-day concept, see the Glossary.

Note to the Reader: Weather and Annual Residential Energy Consumption

Clearly weather affects consumption. The relationship between heating degree-days, the commonly used measure of winter weather, and consumption of a space heating fuel is linear. But none of the space heating fuels is used exclusively for space heating. Fuels are listed below in descending order of the proportion used for space heating. The proportion varies from a high of 85 percent of fuel oil/kerosene used for space heating to a low of 11 percent of electricity used for space heating. Proportional changes in fuel use and heating degree-days between two time periods may, for example, be equal, but this should not be interpreted to mean that weather accounted for the whole change, although it clearly plays a part. Residential energy consumption statistics that are corrected for the effects of the weather (Btu per heating degree-day) are presented in Residential Energy Consumption and Expenditures by End Use (DOE/EIA-0458, in preparation).

Fuel	Households Using Fuel	Percent of Annual Fuel Use for Space Heating
Fuel Oil/Kerosene	Main Heat	85
Fuel Oil/Kerosene	All	85
LPG	Main Heat	79
Natural Gas	Main Heat	69
LPG	All	68
Natural Gas	All	67
All Major Fuels	All	56
Electricity	Main Heat, no A/C	45
Electricity	Main Heat, A/C	29
Electricity	All	11

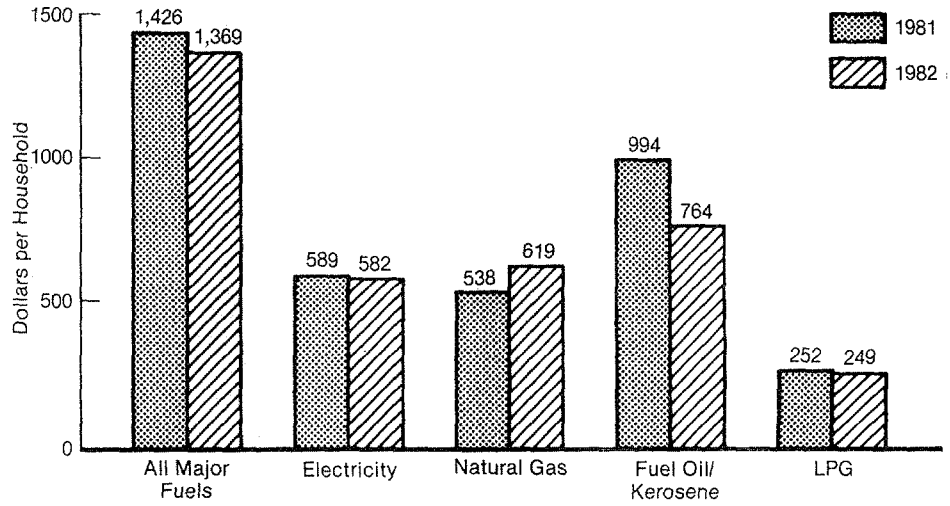
Note: "A/C" = air conditioning. "Main Heat" = households using the fuel as their main heating fuel. "All" = all households using the fuel.
Source: Energy Information Administration, 1980 Residential Energy Consumption Survey.

Average expenditures for all major fuels used in households in the Northeast did not change significantly from 1981 to 1982. Households spent an average of $1,426 (±68) in 1981 and $1,369 (±73) in 1982 for all major fuels. Average household expenditures for natural gas increased from an average of $538 (±34) in 1981 to $619 (±40) in 1982, while expenditures for fuel oil/kerosene decreased from an average of $994 (±62) in 1981 to $764 (±45) in 1982 (Figure 3). In addition, while average consumption of all major fuels dropped, prices for these fuels rose, from $10.36 (±.42) per million Btu in 1981 to $11.28 (±.45) per million Btu in 1982 (Figure 4).[7]

[7] These prices are derived by dividing a household's total energy expenditures for all major fuels by that same household's consumption of all major fuels. Prices for specific fuels are computed in the same manner.

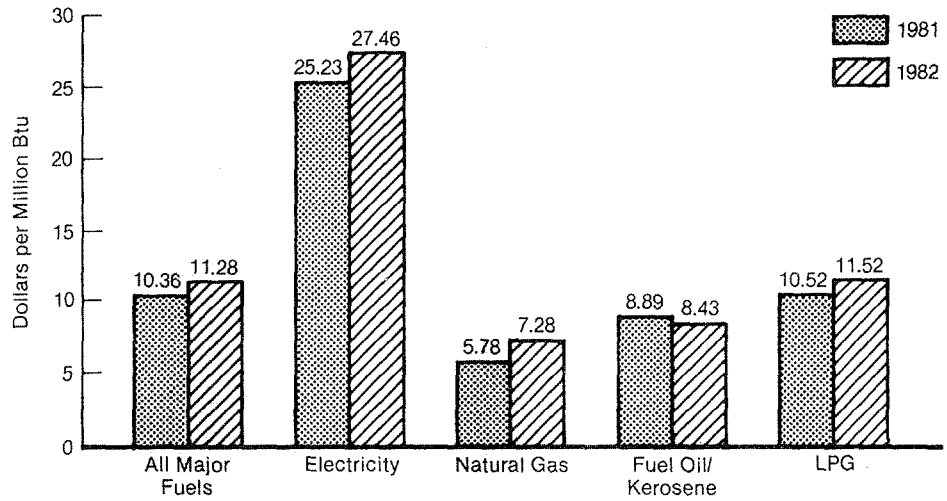
Summary of Findings (Continued)

Figure 3. Northeast Region: Average Household Energy Expenditures, 1981 and 1982



Source: Energy Information Administration, 1981 and 1982 Residential Energy Consumption Surveys. For 1982 data, see Tables 3, 4, 5, 6, and 7.

Figure 4. Northeast Region: Average Residential Energy Prices, 1981 and 1982



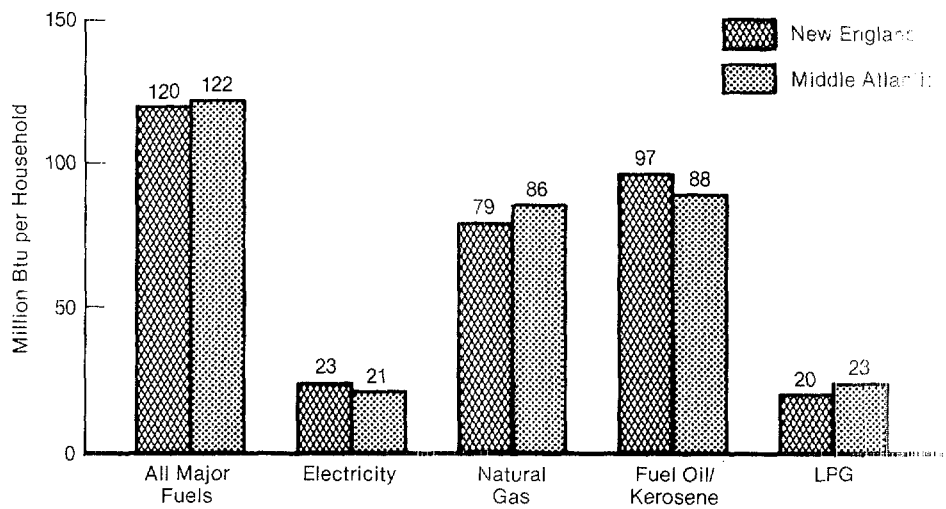
Source: Energy Information Administration, 1981 and 1982 Residential Energy Consumption Surveys. For 1982 data, see Tables 4, 5, 6, and 7.

Summary of Findings (Continued)

New England and Middle Atlantic Census Divisions

Although the weather in 1982 was colder in the New England division, with 6,318 (±271) heating degree-days than in the Middle Atlantic division, with 5,562 (±207) heating degree-days, average consumption of all major fuels did not differ significantly between the two divisions, with averages of 120 (±11) million Btu and 122 (±7) million Btu, respectively (Figure 5). Note, however, that wood is not included in the consumptin of all major fuels (see "wood consumed" in the Glossary). If wood consumption was averaged over all households in each division and added to these figures, average energy consumption would in fact be higher in the colder New England division. Households in the New England division consumed more wood, consuming an average of 16 (±4) million Btu of wood energy (averaged over all households in the division), compared with an average of 12 (±2) million Btu consumed in households in the Middle Atlantic.[8]

Figure 5. Northeast Region: Average Household Energy Consumption by Census Division, 1982



Source: Energy Information Administration, 1982 Residential Energy Consumption Survey. See Tables 2, 4, 5, 6, and 7

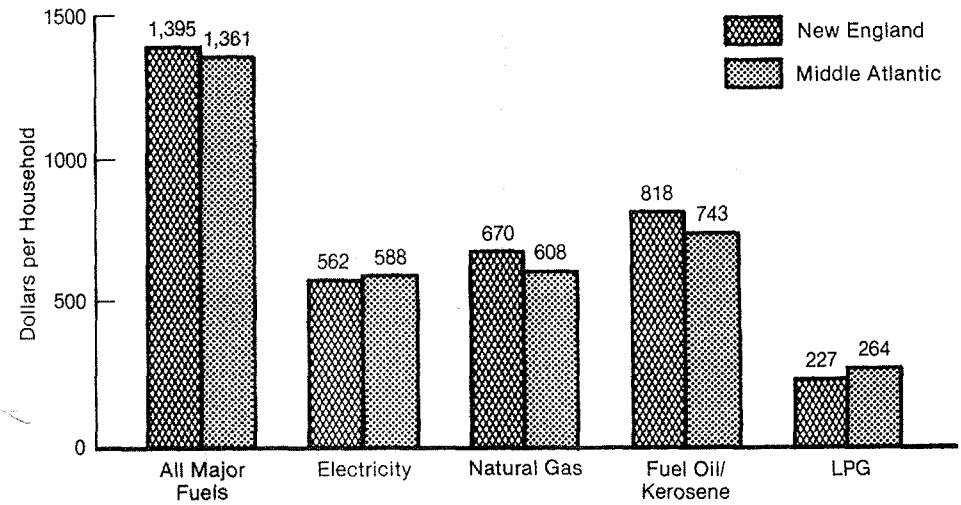
Average energy expenditures in 1982 were similar in the two divisions. Households in New England spent an average of $1,395 (±130) for all major fuels, and households in the Middle Atlantic spent $1,361 (±80) (Figure 6).

The data from the New England and Middle Atlantic Census divisions differ in the distributions of main heating fuels (Figure 7). A larger percentage of homes in the New England division use wood as their main heating fuel (12 (±4) percent), than in the Middle Atlantic division (4 (±2) percent). In New England, 51 (±10) percent of all households reported using fuel oil/kerosene as the main heating fuel, compared with 39 (±5) percent of all households in the Middle Atlantic. The percentage of households using natural gas as the main heating fuel was 28 (±7) percent in the New England States and 46 (±5) percent in the Middle Atlantic States.

[8] The Btu value of wood is approximately 20 million Btu per cord.

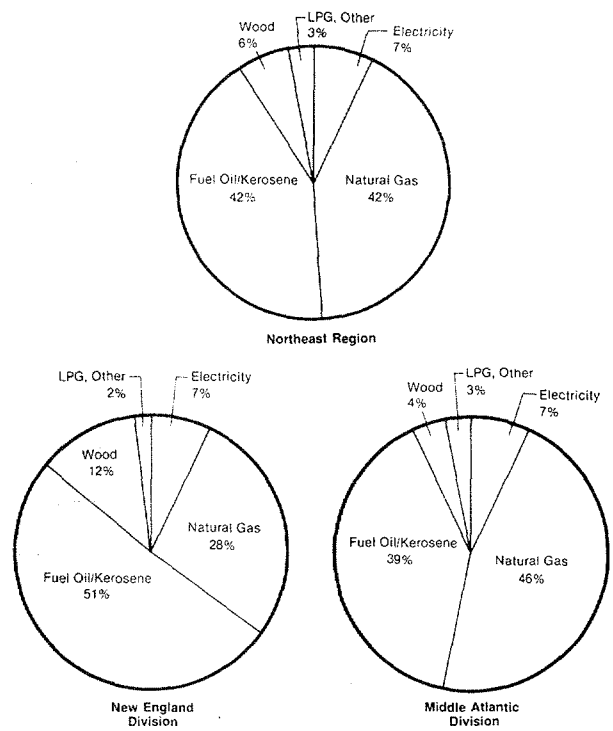
Summary of Findings (Continued)

Figure 6. Northeast Region: Average Household Energy Expenditures by Census Division, 1982



Source: Energy Information Administration, 1982 Residential Energy Consumption Survey. See Tables 3, 4, 5, 6, and 7.

Figure 7. Northeast Region: Distributions of Main Heating Fuels by Census Division, 1982

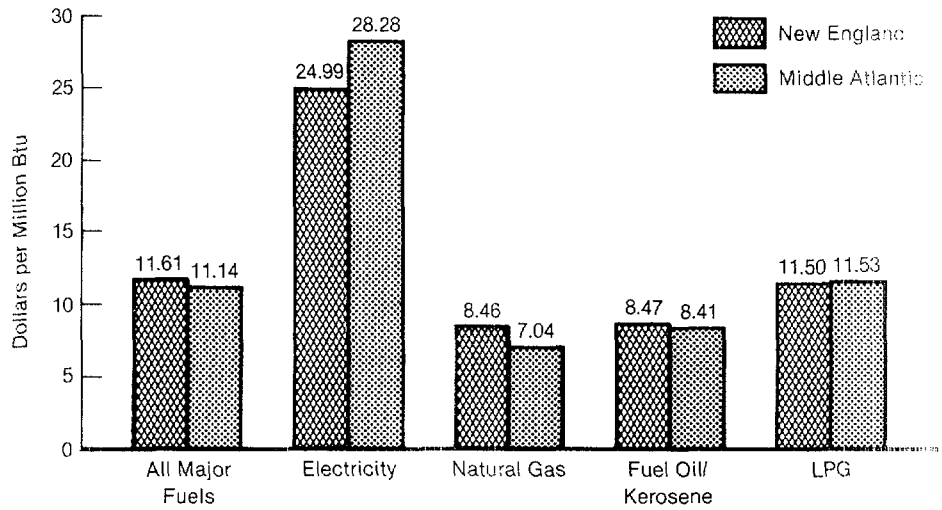


Source: Energy Information Administration. 1982 Residential Energy Consumption Survey.

Summary of Findings (Continued)

Average prices for all major fuels did not differ significantly between the two divisions (Figure 8). Households in New England paid an average of $11.61 (±70) per million Btu, and households in the Middle Atlantic paid $11.14 (±.48) per million Btu. Households in the Middle Atlantic division paid more for their electricity, $28.28 (±1.35) per million Btu, than households in any other Census division. The next higher price paid for electricity was in the New England division, with households paying $24.99 (±1.61) per million Btu. The average price for natural gas, however, was higher in New England than in the Middle Atlantic division, with averages of $8.46 (±.60) per million Btu and $7.04 (±.28) per million Btu, respectively.

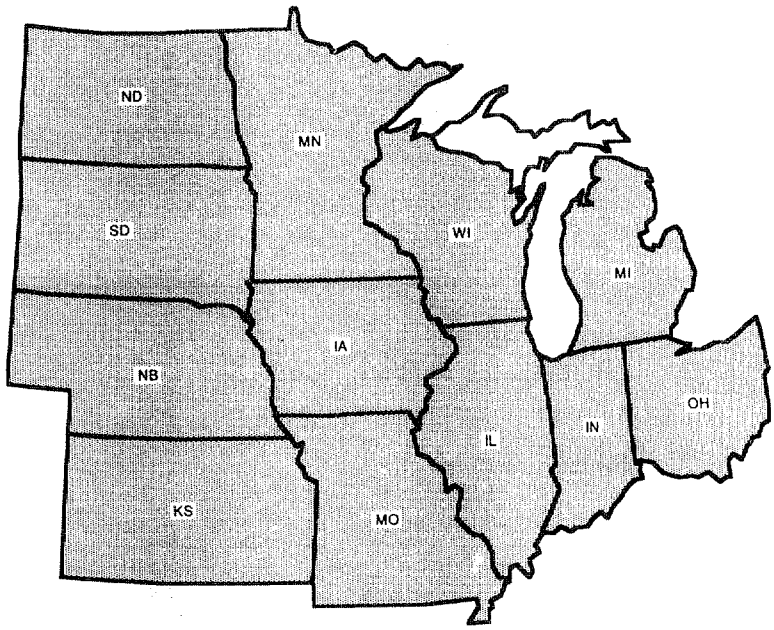
Figure 8. Northeast Region: Average Residential Energy Prices by Census Division, 1982



Source: Energy Information Administration, 1982 Residential Energy Consumption Survey. See Tables 4, 5, 6, and 7.

Summary of Findings (Continued)

North Central Census Region

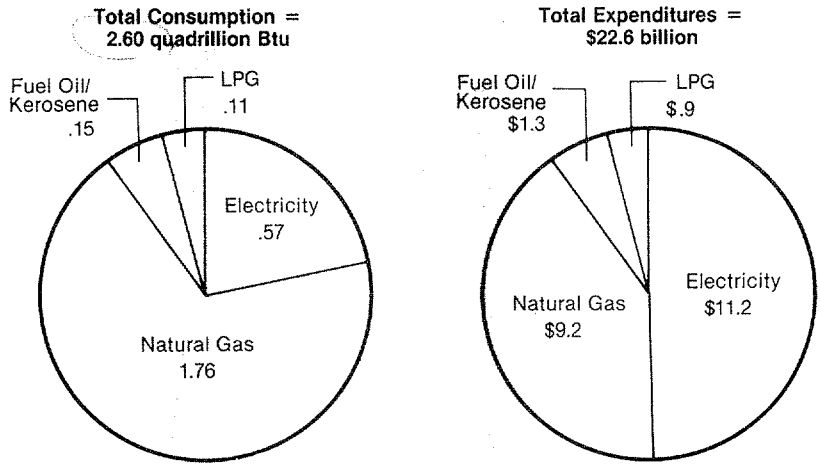


Total Energy Consumption and Expenditures

Total Energy Consumption and Expenditures

The 21.3 million households in the North Central consumed a total of 2.60 (±.24) quadrillion Btu of electricity, natural gas, fuel oil/ kerosene, and LPG in 1982. Expenditures for these fuels totaled $26.6 (±2.5) billion (Figure 9). Electricity and natural gas accounted for, respectively, 22 (±1) percent and 68 (±2) percent of total consumption, and 50 (±3) percent and 41 (±1) percent of total expenditures in the North Central region.

Figure 9. North Central Region: Distributions of Total Residential Energy Consumption and Expenditures, 1982



Source: Table 1. Energy Information Administration. 1982 Residential Energy Consumption Survey.

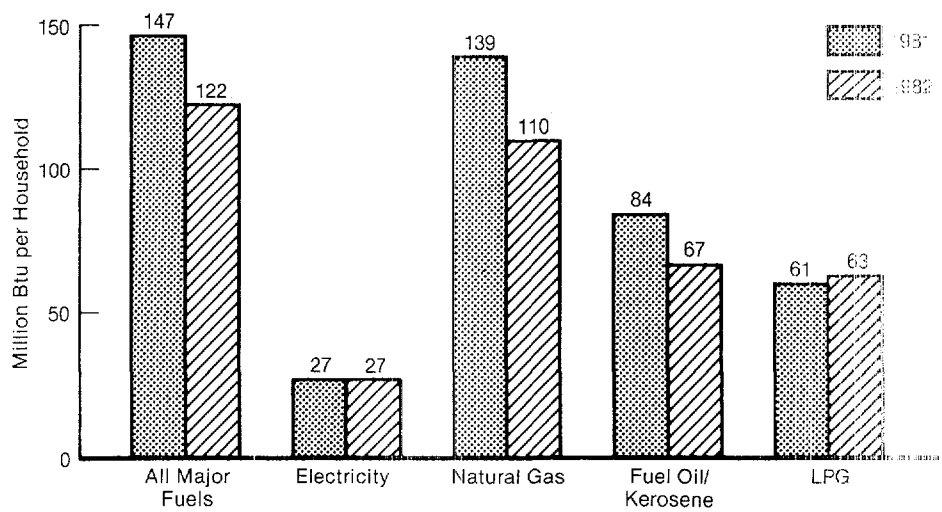
Summary of Findings (Continued)

Consumption and Expenditures per Household

Average consumption of all major fuels used in the household dropped in the North Central from 147 (±8) million Btu in 1981 to 122 (±6) million Btu in 1982 (Figure 10). Specifically, decreases occurred in per household natural gas and fuel oil/kerosene consumption.

The predominant heating fuel in the North Central is natural gas, with approximately 73 (±7) percent of all households reporting it as the main heating fuel. Average natural gas consumption dropped from 139 (±9) million Btu in 1981 to 110 (±6) million Btu in 1982. Fuel oil/kerosene consumption showed a decrease as well, from 84 (±10) million Btu in 1981 to 67 (±4) million Btu in 1982. These differences can be partially explained by changes in the weather. The weather in the North Central was much warmer in 1982 than in 1981, with the average number of heating degree-days dropping from 7,014 (±183) in 1981 to 6,109 (±165) in 1982.

Figure 10. North Central Region: Average Household Energy Consumption, 1981 and 1982



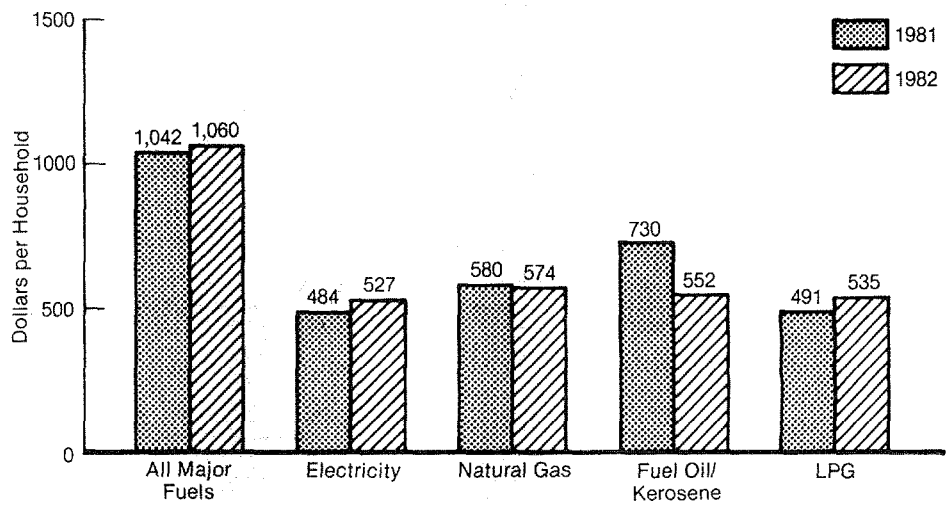
Source: Energy Information Administration, 1981 and 1982 Residential Energy Consumption Surveys. For 1982 data, see Tables 2, 4, 5, 6, and 7.

Average expenditures for all major fuels was essentially the same in the North Central during both years, with each household spending $1,042 (±47) in 1981 and $1,060 (±53) in 1982 (Figure 11). The decrease in consumption from 1981 to 1982 was offset by an increase in prices.

Electricity prices rose from $17.93 (±.78) per million Btu in 1981 to $19.55 (±.84) per million Btu in 1982 (Figure 12). Natural gas prices also rose during this period, from $4.16 (±.14) per million Btu to $5.21 (±.17) per million Btu. Fuel oil/kerosene prices dropped from $8.71 (±.06) per million Btu in 1981 to $8.28 (±.08) per million Btu in 1982. The net effect was an overall increase in energy prices. Each household spent an average of $7.08 (±.27) per million Btu for energy in 1981, compared with $8.69 (±.33) per million Btu in 1982.

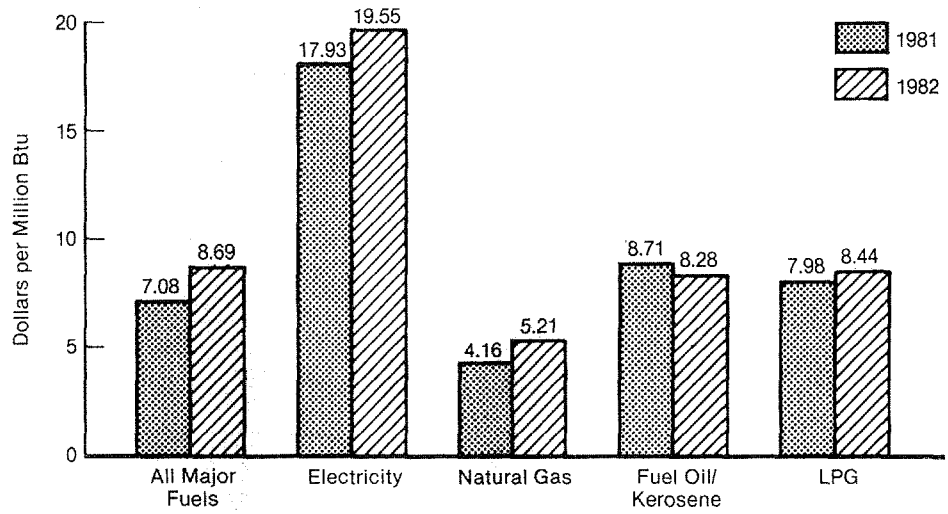
Summary of Findings (Continued)

Figure 11. North Central Region: Average Household Energy Expenditures, 1981 and 1982



Source: Energy Information Administration, 1981 and 1982 Residential Energy Consumption Surveys. For 1982 data, see Tables 3, 4, 5, 6, and 7.

Figure 12. North Central Region: Average Residential Energy Prices, 1981 and 1982



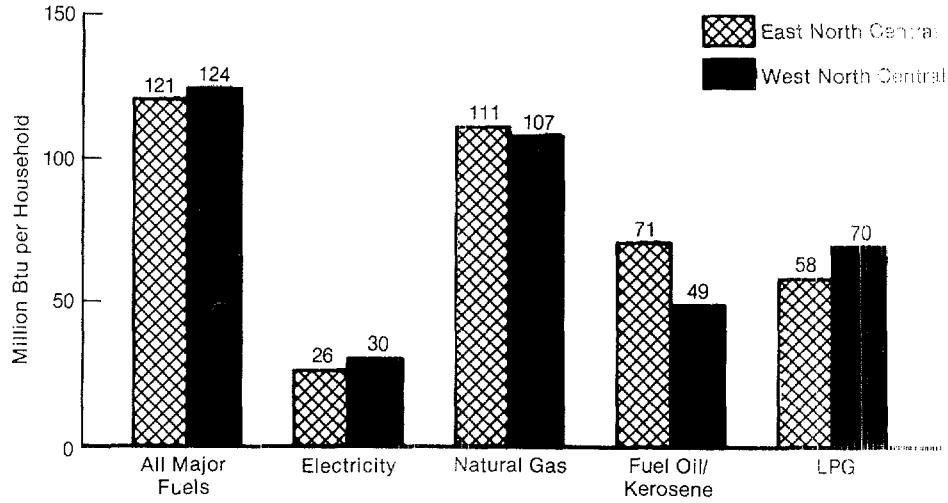
Source: Energy Information Administration, 1981 and 1982 Residential Energy Consumption Surveys. For 1982, see Tables 4, 5, 6, and 7.

Summary of Findings (Continued)

East North Central and West North Central Census Divisions

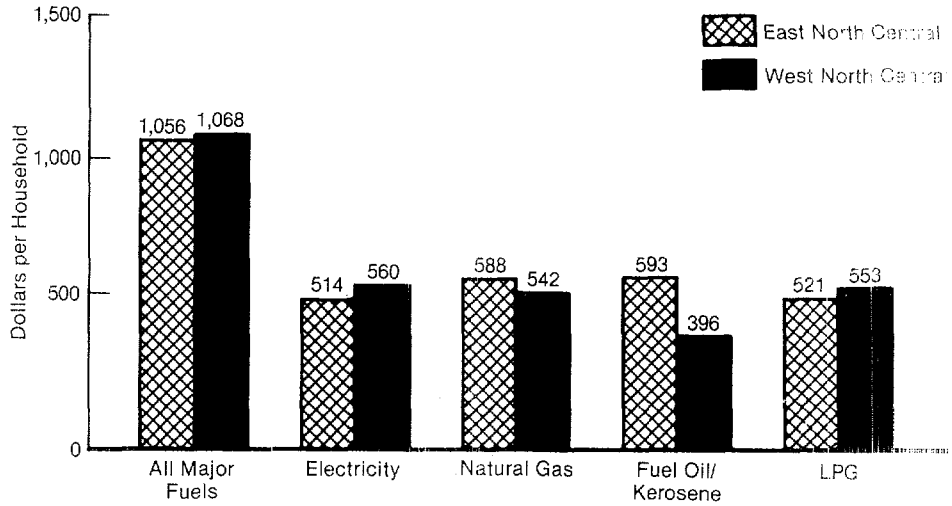
The data for average consumption and expenditures, distributions of main heating fuels, and prices for the two Census divisions in the North Central are shown in Figures 13 through 16. There were no significant differences between the two divisions in 1982.

Figure 13. North Central Region: Average Household Energy Consumption by Census Division, 1982



Source: Energy Information Administration, 1982 Residential Energy Consumption Survey. See Tables 2, 4, 5, 6, and 7.

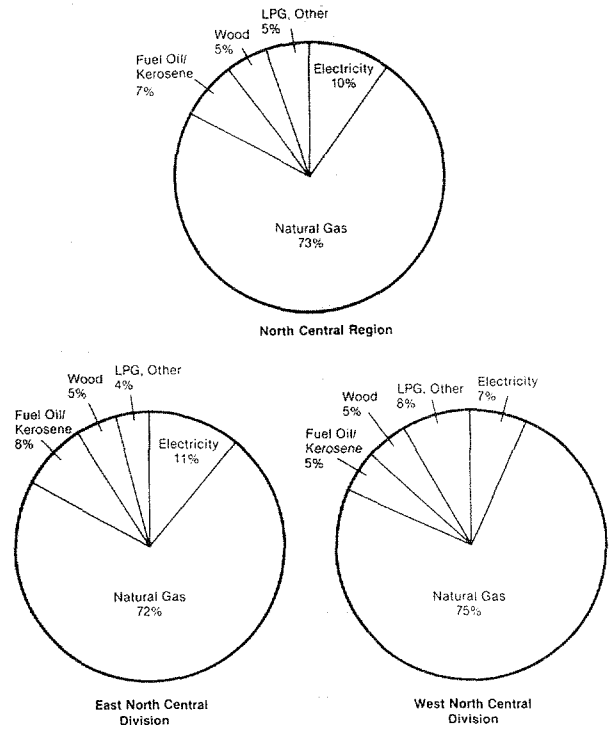
Figure 14. North Central Region: Average Household Energy Expenditures by Census Division, 1982



Source: Energy Information Administration. 1982 Residential Energy Consumption Survey. See Tables 3, 4, 5, 6, and 7.

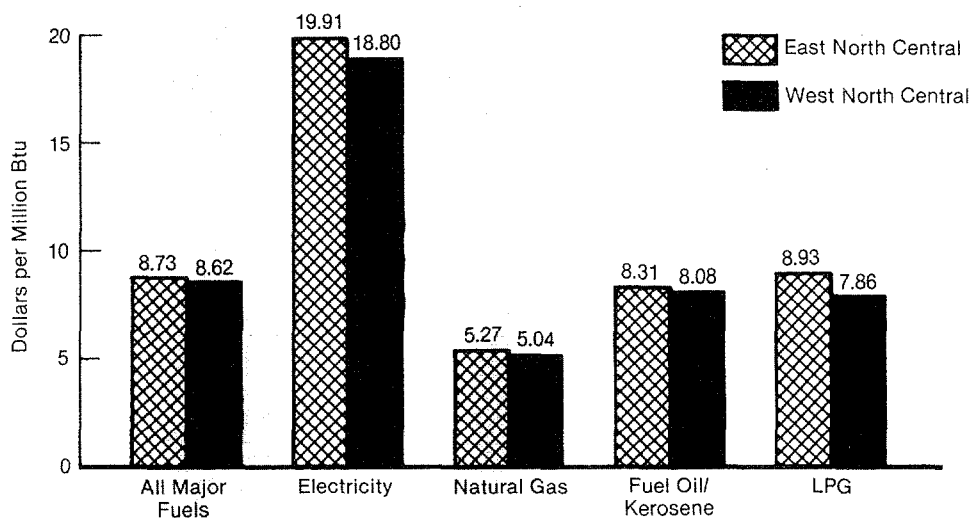
Summary of Findings (Continued)

Figure 15. North Central Region: Distributions of Main Heating Fuels by Census Division, 1982



Source: Energy Information Administration, 1982 Residential Energy Consumption Survey.

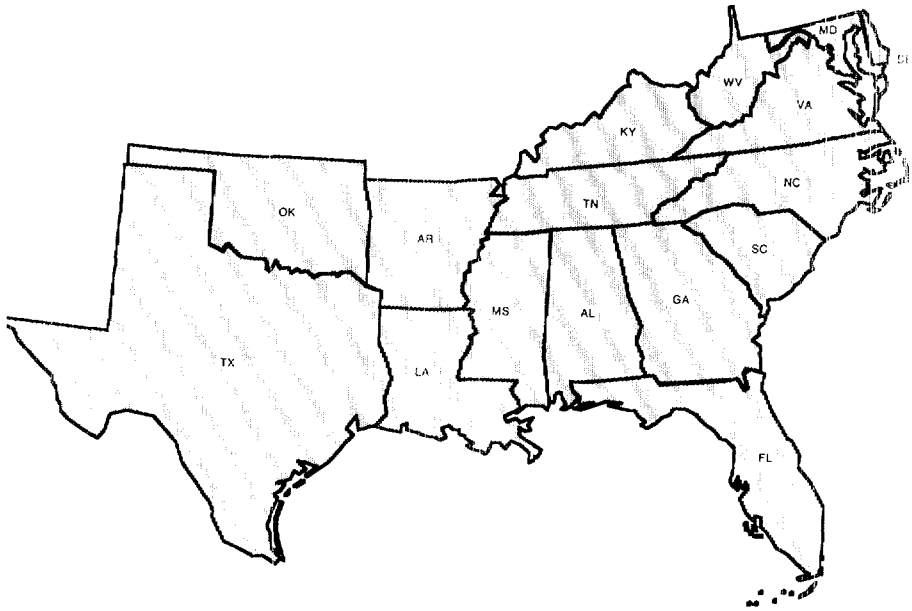
Figure 16. North Central Region: Average Residential Energy Prices by Census Division, 1982



Source: Energy Information Administration, 1982 Residential Energy Consumption Survey. See Tables 4, 5, 6, and 7.

Summary of Findings (Continued)

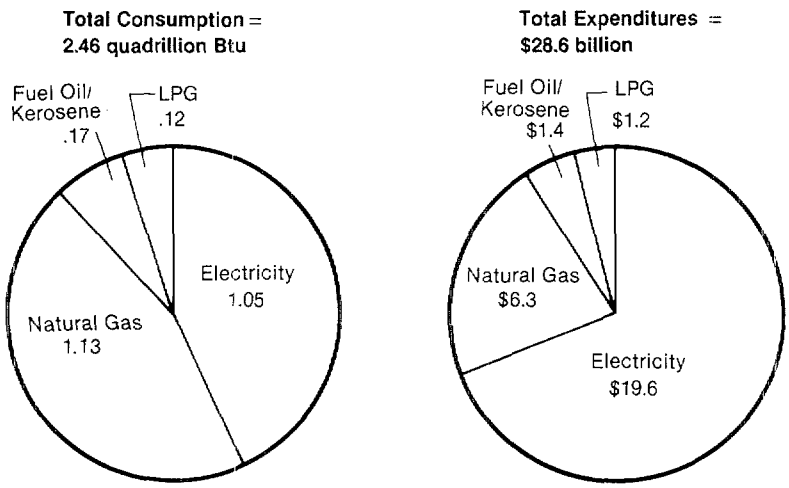
South Census Region



Total Energy Consumption and Expenditures

The 28.1 million households in the South consumed a total of 2.46 (±.20) quadrillion Btu of electricity, natural gas, fuel oil/kerosene, and LPG in 1982. Expenditures for these fuels totaled $28.6 (±2.4) billion (Figure 17). Electricity and natural gas shared roughly equal portions of the total consumption of major fuels in the South--1.05 (±.10) quadrillion Btu and 1.13 (±.11) quadrillion Btu, respectively. The majority of expenditures, however, was for electricity--$19.6 (±1.9) billion or approximately 70 (±4) percent of the total spent.

Figure 17. South Region: Distributions of Total Residential Energy Consumption and Expenditures, 1982



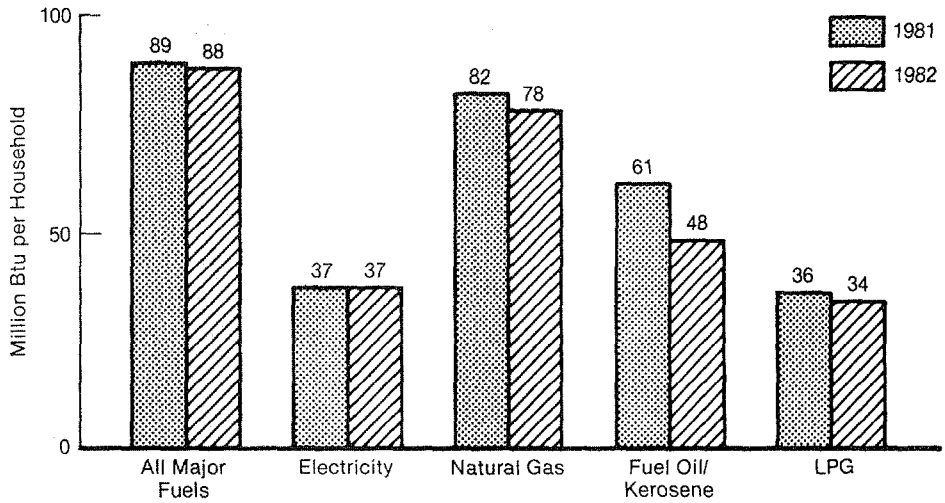
Source: Table 1. Energy Information Administration. 1982 Residential Energy Consumption Survey.

Summary of Findings (Continued)

Consumption and Expenditures per Household

Average consumption of all major fuels used in the household was about the same both years in the South, with averages of 89 (±5) million Btu in 1981 and 88 (±4) million Btu in 1982 (Figure 18). The weather was similar during both years, with averages of 3,093 (±193) heating degree-days in 1981 and 3,032 (±200) heating degree-days in 1982. Average fuel oil/kerosene consumption dropped from 61 (±7) million Btu in 1981 to 48 (±5) million Btu in 1982.

Figure 18. South Region: Average Household Energy Consumption, 1981 and 1982

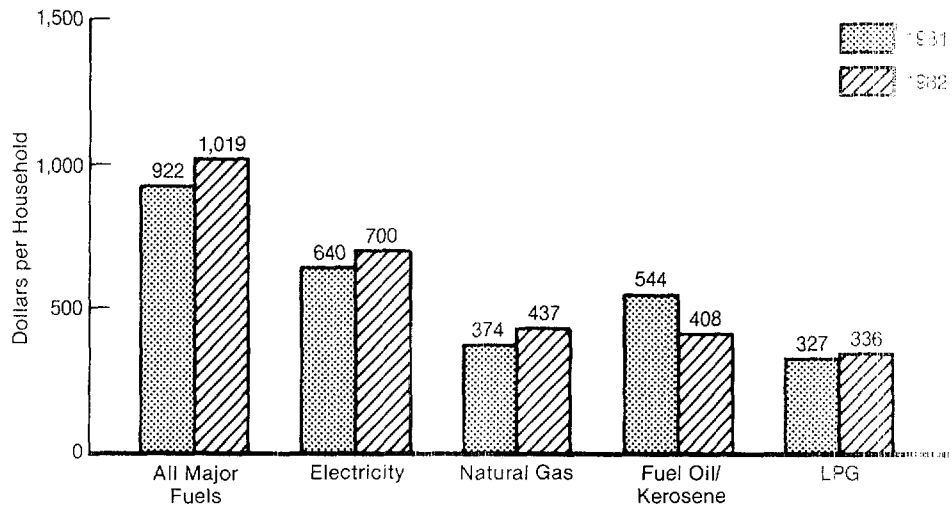


Source: Energy Information Administration, 1981 and 1982 Residential Energy Consumption Surveys. For 1982 data, see Tables 2, 4, 5, 6, and 7.

Summary of Findings (Continued)

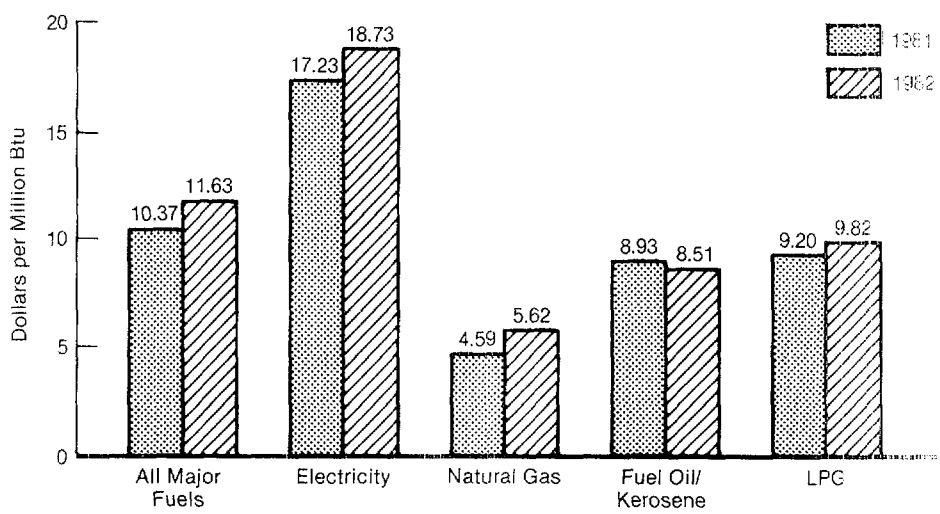
Households in the South spent an average of $1,019 (±45) for energy in 1982, an increase over the $922 (±37) spent in 1981 (Figure 19). This rise in expenditures is due largely to price increases, since consumption of all major fuels remained constant from 1981 to 1982. Prices for fuel oil/kerosene decreased from $8.93 (±.06) per million Btu to $8.51 (±.067) per million Btu. Natural gas prices rose from $4.59(±) per million Btu to $5.62 (±.19) per million Btu. Electricity prices also showed an increase from $17.23 (±.68) per million Btu in 1981 to $18.73 (±.75) per million Btu in 1982. LPG prices did not change significantly during the same period. Overall, the average price for all major fuels rose from $10.37 (±.37) per million Btu in 1981 to $11.63 (±.41) per million Btu in 1982 (Figure 20).

Figure 19. South Region: Average Household Energy Expenditures, 1981 and 1982



Source: Energy Information Adminstration, 1981 and 1982 Residential Energy Consumption Surveys. For 1982 data see Tables 3, 4, 5, 6, and 7.

Figure 20. South Region: Average Energy Prices, 1981 and 1982



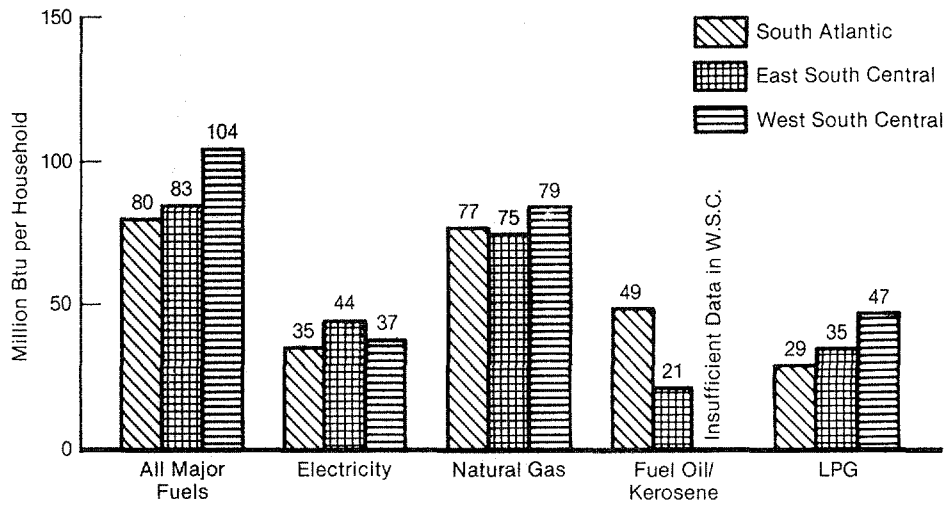
Source: Energy Information Administration, 1981 and 1982 Residential Energy Consumption Survey. For 1982 data, see Tables 4, 5, 6, and 7.

Summary of Findings (Continued)

South Atlantic, East South Central, and West South Central Census Divisions

The weather in the West South Central division was warmer than in the other divisions in the South. The West South Central averaged 2,553 (±291) heating degree-days, compared with 3,560 (±335) in the East South Central division and 3,108 (±252) in the South Atlantic division. Despite the warmer weather in the West South Central, average consumption of all major fuels was higher than for the other divisions in the South--104 (±7) million Btu compared with 83 (±7) million Btu in the East South Central, and 80 (±5) million Btu in the South Atlantic (Figure 21).

Figure 21. South Region: Average Energy Consumption by Census Division, 1982



Source: Energy Information Administration, 1982 Residential Energy Consumption Survey. See Tables 2, 4, 5, 6, and 7.

Summary of Findings (Continued)

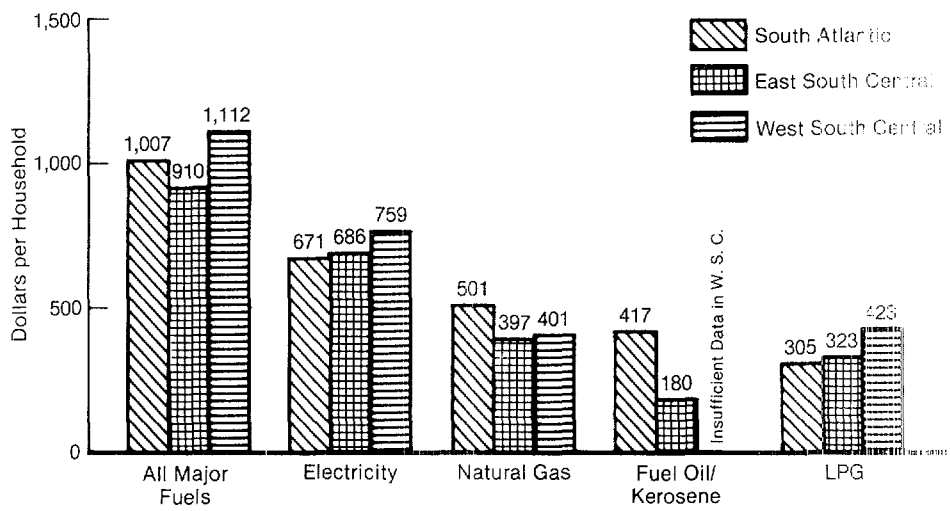
One factor that may have influenced the differences in average consumption among the Census divisions in the South is the use of air conditioning. The demand for air conditioning in the West South Central, as shown by the number of cooling degree days, is higher than for the other two divisions. Table S1 shows the average consumption of all major fuels used in the household, for households who use or do not use air conditioning. Weather information is also included for comparison. Note that average consumption is higher in households in the West South Central that use air conditioning than households in any other category in Table S1.

Table S1. South: Average Consumption of All Major Fuels, For Households With or Without Air Conditioning, 1982

Census Division	Use Air Conditioning	Number of Households (Millions)	Average Consumption (Million Btu)	Heating Degree-Days	Cooling Degree-Days
South Atlantic	No	4.4	71(±6)	3691	1182
	Yes	9.5	84(±6)	2840	1739
East South Central	No	1.0	61(±10)	3653	1335
	Yes	4.7	88(±8)	3540	1438
West South Central	No	1.4	76(±11)	2653	2225
	Yes	7.1	109(±8)	2533	2272

Source: Energy Information Administration. 1982 Residential Energy Consumption Survey.

Figure 22. South Region: Average Energy Expenditures by Census Division, 1982



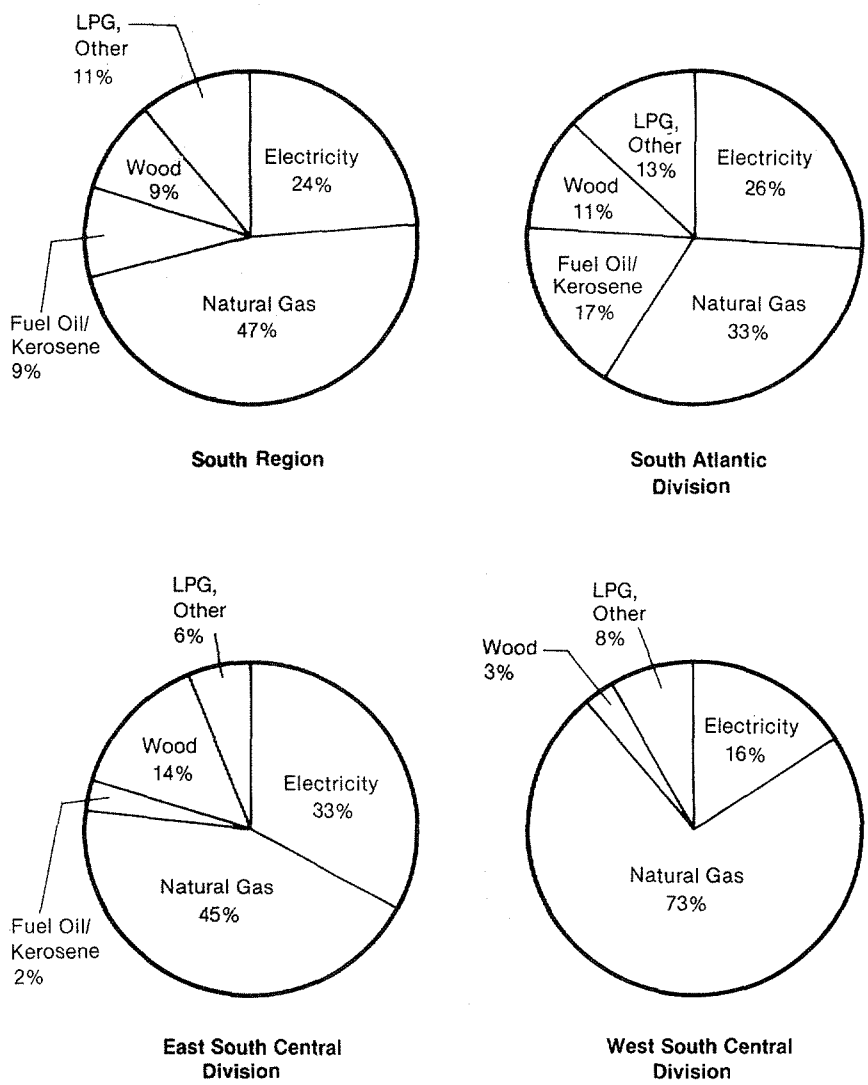
Source: Energy Information Administration, 1982 Residential Energy Consumption Survey. See Tables 3, 4, 5, 6, and 7

Summary of Findings (Continued)

Because of the high average consumption in the West South Central, average energy expenditures were also high, at $1,112 (±79) (Figure 22). In the South Atlantic, average expenditures were $1,007 (±59), and in the East South Central, households spent an average of $910 (±75). Households in the South Atlantic division, however, paid the highest price for energy in 1982 (Figure 24). The average household in the South Atlantic paid $12.60 (±.54) per million Btu for all major fuels used in the home, in the East South Central division, households paid $10.91 (±.61) per million Btu, followed by households in the West South Central division with paid $10.71 (±.53) per million Btu.

As shown in Figure 23, one outstanding difference between the divisions in the South is the overwhelming proportion of households in the West South Central whose main heating fuel is natural gas (73 (±5) percent).

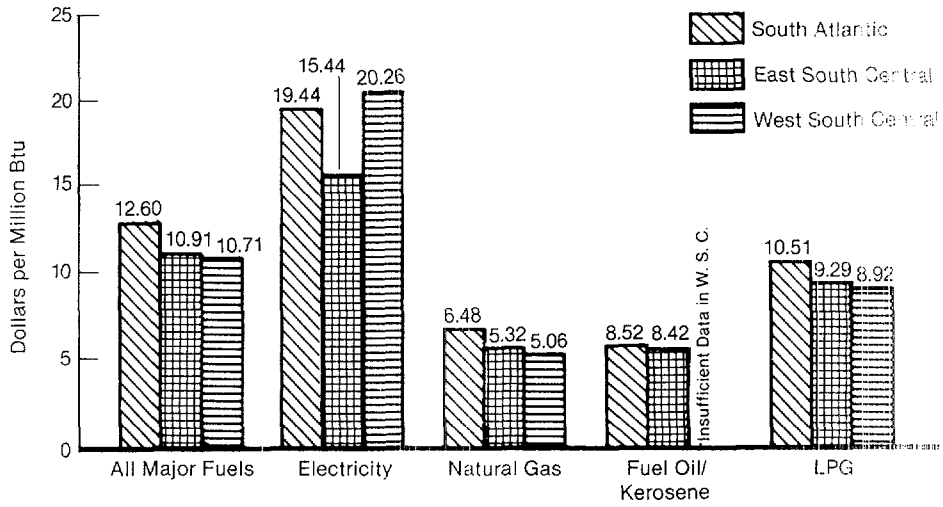
Figure 23. South Region: Distributions of Main Heating Fuels by Census Division, 1982



Source: Energy Information Administration, 1982 Residential Energy Consumption Survey.

Summary of Findings (Continued)

Figure 24. South Region: Average Energy Prices by Census Division, 1982



Source: Energy Information Administration, 1982 Residential Energy Consumption Survey. See Tables 4, 5, 6, and 7.

Summary of Findings (Continued)

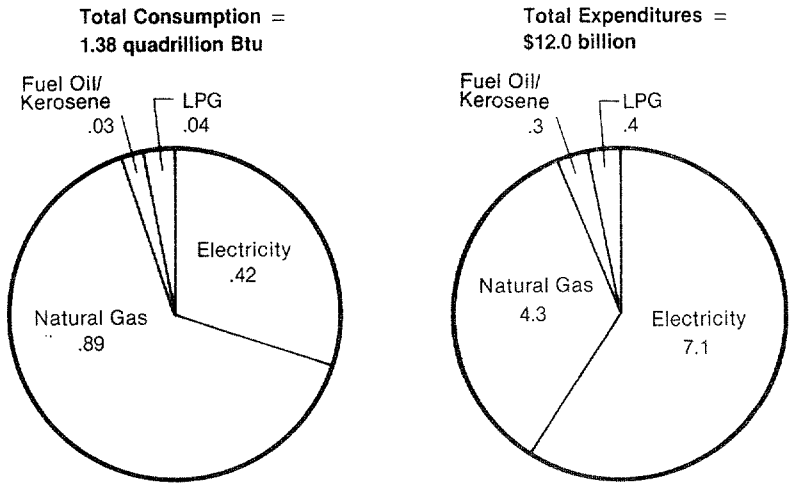
West Census Region

Total Energy Consumption and Expenditures

Total Energy Consumption and Expenditures

The 16.5 million households in the West consumed a total of 1.38 (±.15) quadrillion Btu of electricity, natural gas, fuel oil/kerosene, and LPG in 1982. Expenditures for these fuels totaled $12.0 (±1.3) billion (Figure 25). Natural gas and electricity accounted for, respectively, 64 (±2) percent and 30 (±2) percent of total consumption, and 36 (±1) percent and 59 (±4) percent of total expenditures in the West.

Figure 25. West Region: Distributions of Total Residential Energy Consumption and Expenditures, 1982



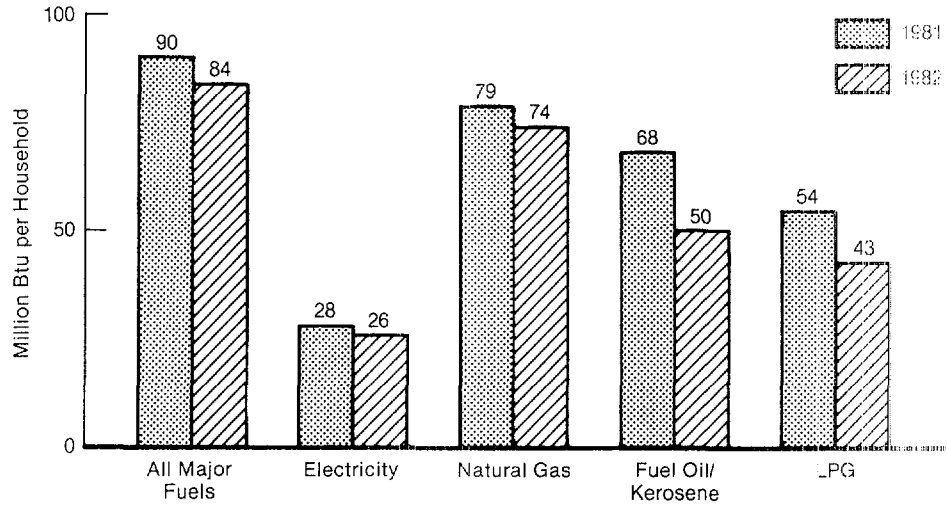
Source: Table 1. Energy Information Administration. *1982 Residential Energy Consumption Survey.*

Summary of Findings (Continued)

Consumption and Expenditures per Household

Average consumption of all major fuels used in the household was 84 (±5) million Btu in the West in 1982 which did not differ significantly from the 90 (±6) million Btu consumed in 1981 (Figure 26). The weather in 1982, with an average of 3,805 (±234) heating degree-days, was similar to the weather in 1981, with 3,715 (±240) heating degree-days. Average expenditures were $731 (±40) in 1982, which also did not differ significantly from the $720 (±35) spent in 1981 (Figure 27). The differences in energy prices shown in Figure 28 were also not significant.

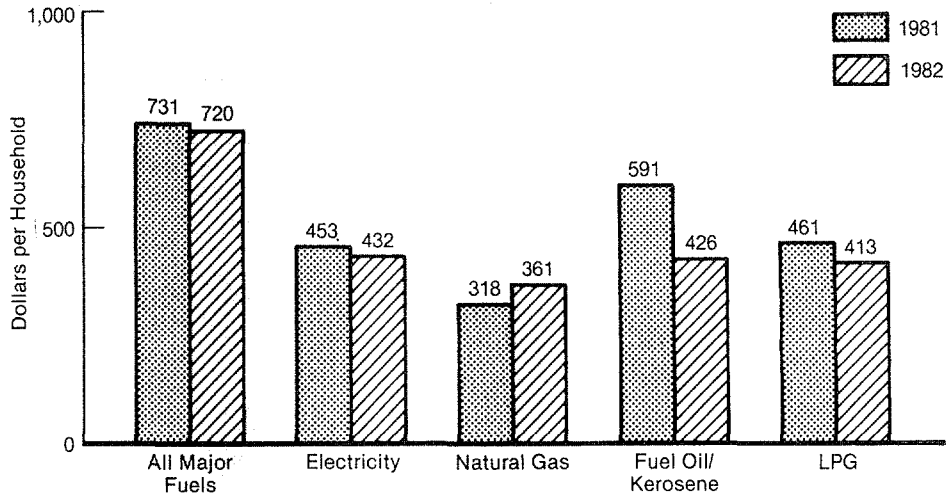
Figure 26. West Region: Average Household Energy Consumption, 1981 and 1982



Source: Energy Information Administration, 1981 and 1982 Residential Energy Consumption Surveys. For 1982 data, see Tables 2, 4, 5, 6, and 7.

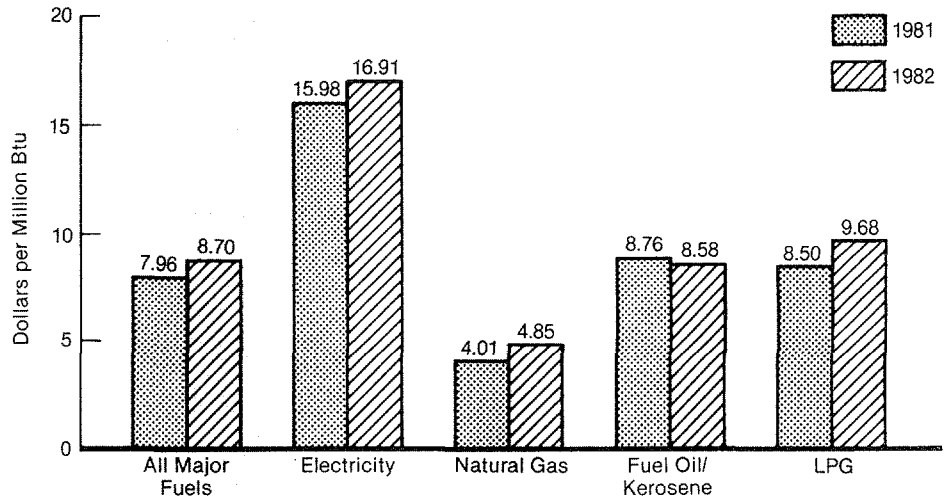
Summary of Findings (Continued)

Figure 27. West Region: Average Household Energy Expenditures, 1981 and 1982



Source: Energy Information Administration, 1981 and 1982 Residential Energy Consumption Surveys. For 1982 data, see Tables 3, 4, 5, 6, and 7.

Figure 28. West Region: Average Residential Energy Prices, 1981 and 1982



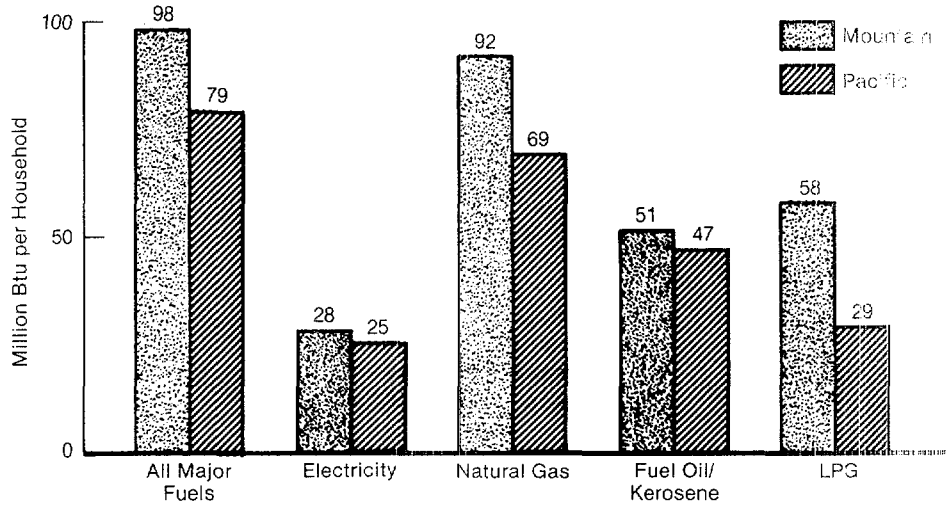
Source: Energy Information Administration, 1981 and 1982 Residential Energy Consumption Survey. For 1982 data, see Tables 4, 5, 6, and 7.

Summary of Findings (Continued)

Mountain and Pacific Census Divisions

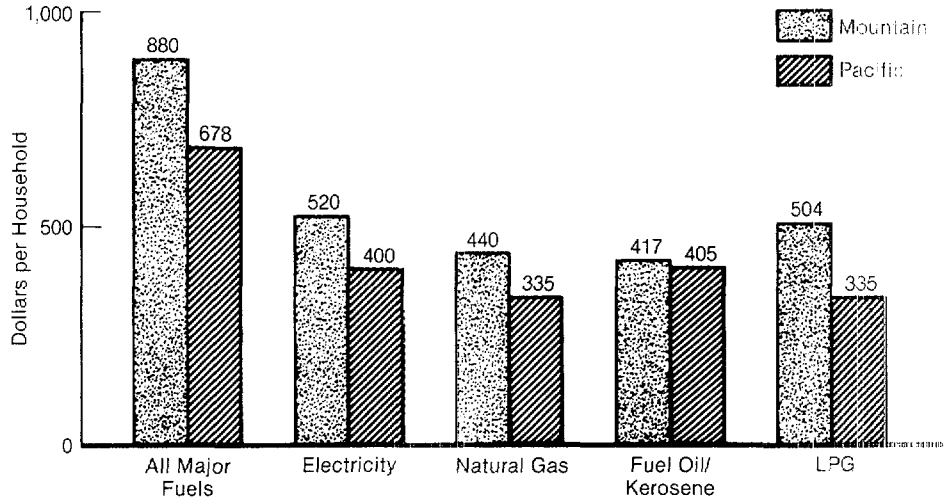
The demand placed on heating by the weather was greater in the Mountain division with 5,136 (±320) heating degree-days, than in the Pacific with 3,332 (±262) heating degree-days. Households in the Mountain Census division consumed an average of 98 (±9) million Btu in 1982, more than the 79 (±5) million Btu consumed per household in the Pacific (Figure 29). Average consumption of natural gas was higher in the Mountain division, with 92 (±11) million Btu, than in the Pacific, with 65 (±5) million Btu. Natural gas is the predominant heating fuel in both divisions (Figure 31).

Figure 29. West Region: Average Household Energy Consumption by Census Division, 1982



Source: Energy Information Administration, 1982 Residential Energy Consumption Survey. See Tables 2, 4, 5, 3, and 1.

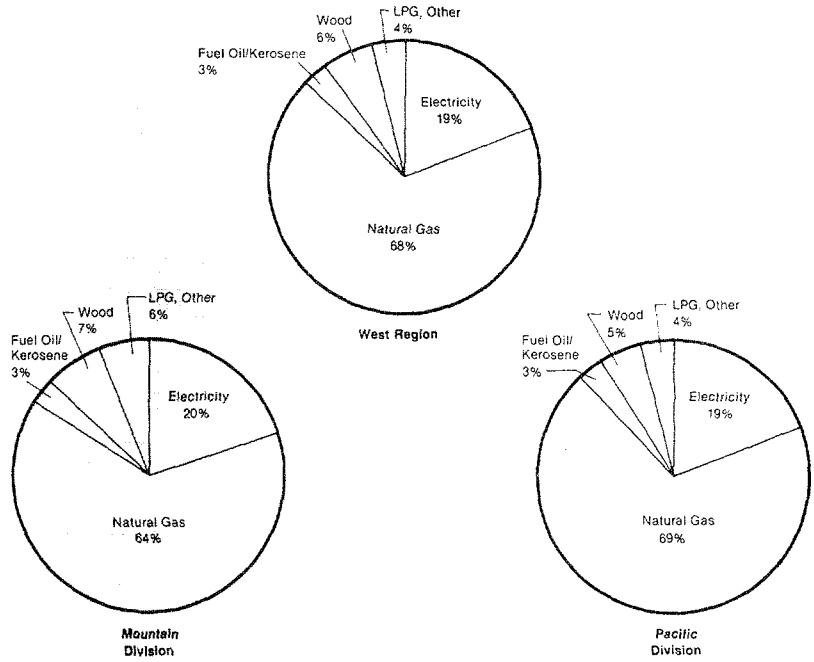
Figure 30. West Region: Average Household Energy Expenditures by Census Division, 1982



Source: Energy Information Administration, 1982 Residential Energy Consumption Survey. See Tables 3, 4, 5, 8, and 1.

Summary of Findings (Continued)

Figure 31. West Region: Distributions of Main Heating Fuels by Census Division, 1982

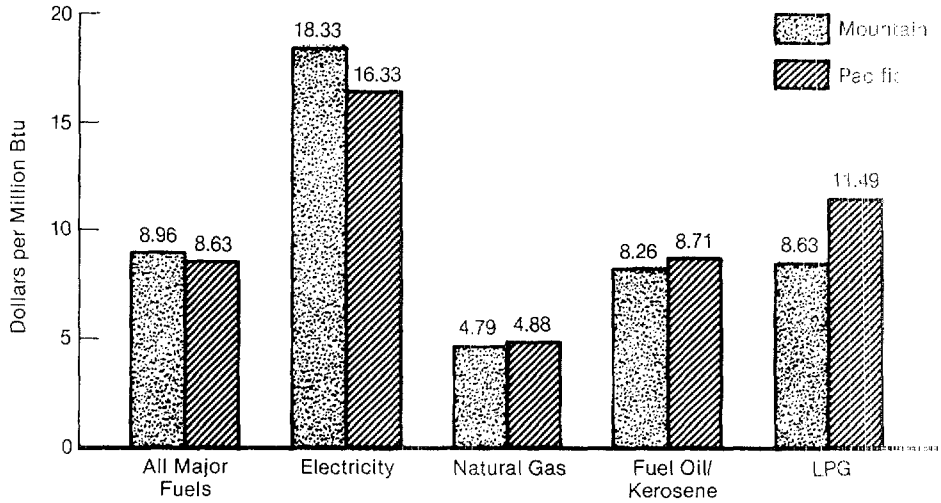


Source: Energy Information Administration. 1982 Residential Energy Consumption Survey.

Partly because of higher consumption, households in the Mountain division spent an average of $880(+81) for all major fuels, whereas households in the Pacific division only spent $678 (±42) (Figure 30). Another factor influencing this difference is the higher electricity prices paid by households in the Mountain division (Figure 32). Households in the Mountain division paid $18.33 (±1.18) per million Btu as compared to $16.33 (±.81) per million Btu in the Pacific.

Summary of Findings (Continued)

Figure 32. West Region: Average Residential Energy Prices by Census Division, 1982



Source: Energy Information Administration, 1982 Residential Energy Consumption Survey. See Tables 4, 5, 6, and 7.

Total Consumption and Expenditures

Table 1. U.S. Residential Energy Consumption and Expenditures—April 1982 Through March 1983, United States

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL MAJOR FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUEFIED PETROLEUM GAS	
		TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)
TOTAL HOUSEHOLDS	83.8	8.62	87.8	4.77	27.1	2.42	48.4	1.14	9.6	0.29	2.7
AREA TYPE											
METROPOLITAN	63.2	6.73	68.2	3.92	22.7	1.78	36.7	.94	7.9	.10	1.0
CENTRAL CITY	29.4	3.15	30.4	2.01	11.5	.75	15.5	.39	3.3	.01	.1
OUTSIDE CENTRAL CITY	33.8	3.58	37.8	1.91	11.1	1.03	21.2	.55	4.6	.09	.9
NON-METROPOLITAN	20.6	1.89	19.6	.86	4.4	.65	11.7	.20	1.7	.19	1.7
UTILITIES PAID BY HOUSEHOLD											
ALL PAID BY HOUSEHOLD	68.9	7.26	73.7	4.02	22.3	2.15	41.9	.83	7.0	.26	2.5
SOME, NONE, OTHER PAID BY HOUSEHOLD	14.8	1.36	14.1	.75	4.7	.28	6.5	.31	2.6	.03	.2
TYPE OF HOUSING STRUCTURE											
MOBILE HOME	3.7	.27	3.2	.08	.4	.11	2.1	.03	.3	.05	.5
SINGLE FAMILY	57.7	6.47	64.7	3.63	20.0	1.85	36.1	.76	6.4	.23	2.2
2 OR MORE UNITS	22.4	1.89	19.9	1.07	6.7	.46	10.2	.35	3.0	.01	.1
NUMBER OF ROOMS											
1 TO 3	10.8	.72	8.1	.35	2.2	.20	4.4	.15	1.3	.01	.1
4 TO 5	36.6	3.28	33.2	1.82	10.1	.92	18.3	.41	3.5	.13	1.3
6 OR MORE	36.4	4.62	46.6	2.60	14.7	1.30	25.7	.58	4.8	.14	1.3
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)											
LESS THAN 999	30.2	2.29	24.0	1.23	7.2	.64	13.1	.32	2.7	.10	1.0
1,000 TO 1,999	35.6	3.71	38.1	2.01	11.3	1.11	21.7	.46	3.9	.12	1.2
2,000 OR MORE	17.9	2.62	25.7	1.53	8.6	.67	13.5	.36	3.0	.07	.6
YEAR HOUSE BUILT											
BEFORE 1950	30.6	3.48	32.8	2.02	11.8	.66	14.1	.68	5.8	.12	1.1
1950 TO 1974	40.2	4.08	42.2	2.32	12.9	1.25	24.9	.38	3.2	.12	1.2
AFTER 1974	12.9	1.07	12.8	.44	2.4	.51	9.4	.07	.6	.05	.4
OWN/RENT											
OWN	53.9	6.08	62.1	3.30	18.5	1.76	34.9	0.80	6.7	0.22	2.0
RENT	29.8	2.55	25.7	1.48	8.6	.66	13.6	.34	2.9	.07	.7
1981 FAMILY INCOME											
LESS THAN $10,000	26.3	2.33	23.0	1.28	7.3	.57	11.5	.36	3.0	.12	1.1
$10,000 TO $19,999	24.8	2.44	24.8	1.33	7.5	.68	13.5	.35	3.0	.08	.8
$20,000 TO $34,999	12.4	1.34	13.6	.74	4.2	.40	7.8	.16	1.3	.04	.4
$35,000 OR MORE	20.2	2.52	26.4	1.43	8.1	.77	15.6	.27	2.3	.04	.4
TOTAL BELOW 100 PERCENT OF POVERTY LINE	12.1	1.11	10.9	.64	3.6	.27	5.4	.15	1.3	.06	.5
TOTAL BELOW 125 PERCENT OF POVERTY LINE	17.4	1.61	15.9	.90	5.1	.39	7.9	.24	2.0	.08	.8
AGE OF HOUSEHOLD HEAD											
UNDER 35 YEARS	26.2	2.35	24.4	1.30	7.3	.74	14.4	.24	2.1	.07	.7
35 TO 59 YEARS	34.0	3.90	39.9	2.18	12.3	1.12	22.5	.47	3.9	.13	1.2
60 YEARS AND OVER	23.6	2.38	23.4	1.30	7.4	.56	11.5	.43	3.6	.09	.8

See footnotes at end of table.

Total Consumption and Expenditures

Table 1. (Continued)
United States

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL MAJOR FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUEFIED PETROLEUM GAS	
		TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)
HOUSEHOLD MEMBERS											
ONE PERSON	19.3	1.54	15.1	.87	5.1	.35	7.3	.26	2.2	.06	.5
2 TO 4 PEOPLE	54.1	5.72	58.6	3.15	17.9	1.67	33.0	.73	6.1	.17	1.6
5 OR MORE PEOPLE	10.4	1.36	14.1	.75	4.1	.41	8.2	.14	1.2	.06	.5
MAIN HEATING FUEL											
NATURAL GAS	47.5	5.62	48.0	4.53	25.2	1.07	22.7	.01	.1	Q	Q
ELECTRICITY	13.4	.83	13.1	.08	.4	.73	12.5	.01	.1	.01	.1
FUEL OIL OR KEROSENE	12.0	1.51	17.3	.12	1.1	.29	6.8	1.08	9.1	.02	.2
LPG	3.8	.33	4.1	Q	Q	.10	2.1	Q	Q	.22	2.0
WOOD	5.6	.30	4.4	.04	.2	.19	3.5	.03	.3	.03	.3
OTHER OR NONE	1.5	.05	1.0	.01	Q	.04	.8	.01	Q	Q	.1
HOT WATER FUEL											
NATURAL GAS	47.1	5.56	48.1	4.37	24.3	1.03	22.4	0.16	1.4	Q	Q
ELECTRICITY	26.6	2.00	27.0	.35	2.1	1.20	20.9	.35	3.0	0.10	1.0
FUEL OIL OR KEROSENE	5.7	.73	8.3	.06	.6	.09	2.9	.57	4.8	Q	Q
OTHER	4.4	.34	4.4	Q	Q	.10	2.2	.05	.4	.19	1.7
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE											
<2,000 CDD AND >7,000 HDD	8.5	.96	8.8	.50	2.7	.22	4.1	.17	1.5	.07	.6
<2,000 CDD AND 5,500 TO 7,000 HDD	21.0	2.58	23.9	1.63	9.0	.54	11.4	.35	3.0	.06	.5
<2,000 CDD AND 4,000 TO 5,499 HDD	22.1	2.41	25.8	1.20	7.8	.62	12.9	.54	4.6	.05	.5
<2,000 CDD AND <4,000 HDD	19.6	1.67	16.2	.99	4.9	.56	10.2	.06	.5	.06	.6
>2,000 CDD AND <4,000 HDD	12.6	1.01	13.1	.46	2.7	.49	9.8	.01	.1	.05	.6

See footnotes at end of table.

Total Consumption and Expenditures

Table 1. (Continued) Census Region: Northeast

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL MAJOR FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUEFIED PETROLEUM GAS	
		TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)
TOTAL HOUSEHOLDS	18.0	2.18	24.6	0.99	7.2	0.38	10.4	0.79	6.7	0.02	0.3
AREA TYPE											
METROPOLITAN	15.5	1.94	22.0	.91	6.8	.32	9.2	.70	5.9	.01	.1
CENTRAL CITY	6.4	.83	9.3	.42	3.4	.10	3.3	.31	2.6	Q	Q
OUTSIDE CENTRAL CITY	9.1	1.11	12.7	.49	3.4	.22	5.9	.39	3.3	.01	.1
NON-METROPOLITAN	2.4	.24	2.6	.08	.4	.06	1.3	.09	.8	.01	.1
UTILITIES PAID BY HOUSEHOLD											
ALL PAID BY HOUSEHOLD	12.7	1.61	18.0	.75	5.3	.31	8.0	.53	4.5	.02	.3
SOME, NONE, OTHER PAID BY HOUSEHOLD	5.3	.57	6.5	.24	2.0	.07	2.4	.26	2.2	Q	Q
TYPE OF HOUSING STRUCTURE											
MOBILE HOME	.4	.04	.4	.01	Q	.01	.2	.02	.1	Q	Q
SINGLE FAMILY	10.6	1.42	15.7	.67	4.6	.27	7.0	.47	3.9	.02	.2
2 OR MORE UNITS	7.0	.73	8.5	.31	2.6	.10	3.3	.31	2.6	Q	Q
NUMBER OF ROOMS											
1 TO 3	2.8	.25	3.0	.09	.8	.04	1.2	.12	1.0	Q	Q
4 TO 5	6.3	.67	7.7	.28	2.0	.12	3.3	.27	2.2	.01	.1
6 OR MORE	8.8	1.26	14.0	.63	4.4	.23	6.0	.40	3.4	.01	.1
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)											
LESS THAN 999	6.0	.56	6.5	.22	1.8	.09	2.6	.24	2.0	.01	.1
1,000 TO 1,999	7.1	.89	9.9	.42	3.0	.16	4.3	.31	2.6	.01	.1
2,000 OR MORE	4.8	.73	8.2	.35	2.5	.13	3.6	.24	2.0	Q	.1
YEAR HOUSE BUILT											
BEFORE 1950	9.4	1.18	12.7	.52	3.9	.16	4.6	.48	4.1	.01	.1
1950 TO 1974	7.1	.85	9.8	.41	2.9	.17	4.6	.26	2.2	.01	.1
AFTER 1974	1.5	.15	2.0	.05	.4	.05	1.2	.05	.4	Q	Q
OWN/RENT											
OWN	11.3	1.51	16.9	0.69	4.9	0.27	7.4	0.53	4.5	0.02	0.2
RENT	6.7	.67	7.6	.30	2.3	.11	3.1	.26	2.2	.01	.1
1981 FAMILY INCOME											
LESS THAN $10,000	5.3	.57	6.2	.23	1.7	.08	2.3	.24	2.1	.01	.1
$10,000 TO $19,999	5.4	.62	7.0	.27	2.0	.11	2.9	.24	2.0	.01	.1
$20,000 TO $34,999	2.6	.33	3.7	.17	1.2	.06	1.6	.11	.9	Q	Q
$35,000 OR MORE	4.6	.66	7.7	.33	2.4	.13	3.6	.20	1.7	Q	Q
TOTAL BELOW 100 PERCENT OF POVERTY LINE	2.3	.25	2.8	.12	.9	.04	1.1	.09	.8	Q	Q
TOTAL BELOW 125 PERCENT OF POVERTY LINE	3.6	.40	4.3	.18	1.3	.06	1.6	.16	1.3	.01	.1
AGE OF HOUSEHOLD HEAD											
UNDER 35 YEARS	4.8	.50	5.9	.23	1.7	.10	2.8	.16	1.4	.01	.1
35 TO 59 YEARS	7.5	.99	11.3	.47	3.4	.18	5.1	.33	2.8	.01	.1
60 YEARS AND OVER	5.6	.69	7.3	.29	2.1	.09	2.6	.30	2.5	.01	.1
HOUSEHOLD MEMBERS											
ONE PERSON	4.4	.43	4.6	.17	1.3	.06	1.6	.19	1.6	.01	.1
2 TO 4 PEOPLE	11.2	1.43	16.1	.67	4.9	.25	6.9	.49	4.2	.01	.1
5 OR MORE PEOPLE	2.3	.33	4.0	.14	1.0	.07	1.9	.11	.9	.01	.1

See footnotes at end of table.

Total Consumption and Expenditures

Table 1. (Continued) Census Region: Northeast

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL MAJOR FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUEFIED PETROLEUM GAS	
		TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)
MAIN HEATING FUEL											
NATURAL GAS	7.5	1.01	10.0	.87	6.1	.13	3.9	.01	.1	Q	Q
ELECTRICITY	1.3	.07	1.5	Q	Q	.06	1.4	Q	Q	Q	Q
FUEL OIL OR KEROSENE	7.6	1.02	11.7	.10	1.0	.15	4.2	.76	6.4	.01	.1
LPG	.2	.02	.2	Q	Q	Q	.1	Q	Q	.01	.1
WOOD	1.0	.06	1.0	.01	.1	.03	.7	.02	.2	Q	Q
OTHER OR NONE	.3	.01	.2	Q	Q	.01	.2	Q	Q	Q	Q
HOT WATER FUEL											
NATURAL GAS	8.7	1.16	11.6	0.88	6.2	0.15	4.3	0.13	1.1	Q	Q
ELECTRICITY	3.7	.33	4.8	.06	.4	.14	3.3	.12	1.0	0.01	0.1
FUEL OIL OR KEROSENE	5.0	.66	7.5	.05	.6	.08	2.5	.52	4.4	Q	Q
OTHER	.6	.05	.6	Q	Q	.01	.3	.02	.2	.01	.1
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE											
<2,000 CDD AND >7,000 HDD	1.6	.15	1.8	.02	.1	.04	.9	.08	.7	.01	.1
<2,000 CDD AND 5,500 TO 7,000 HDD	8.0	.97	10.4	.47	3.2	.19	4.6	.30	2.5	.01	.1
<2,000 CDD AND 4,000 TO 5,499 HDD	8.3	1.07	12.4	.50	3.9	.15	5.0	.41	3.4	Q	Q
<2,000 CDD AND <4,000 HDD	-	-	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Total Consumption and Expenditures

Table 1. (Continued) Census Division: New England

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL MAJOR FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUEFIED PETROLEUM GAS	
		TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)
TOTAL HOUSEHOLDS	4.2	0.51	5.9	0.16	1.4	0.09	2.4	0.24	2.0	0.01	0.1
AREA TYPE											
METROPOLITAN	3.3	.42	4.8	.16	1.3	.07	1.9	.19	1.6	Q	Q
CENTRAL CITY	1.3	.15	1.7	.07	.6	.02	.6	.06	.5	Q	Q
OUTSIDE CENTRAL CITY	2.0	.27	3.1	.09	.7	.05	1.3	.13	1.1	Q	Q
NON-METROPOLITAN	.9	.09	1.0	.01	Q	.02	.5	.05	.4	.01	.1
UTILITIES PAID BY HOUSEHOLD											
ALL PAID BY HOUSEHOLD	3.2	.41	4.7	.13	1.1	.08	1.9	.20	1.7	.01	.1
SOME, NONE, OTHER PAID BY HOUSEHOLD	1.0	.09	1.1	.03	.3	.02	.5	.04	.4	Q	Q
TYPE OF HOUSING STRUCTURE											
MOBILE HOME	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
SINGLE FAMILY	2.3	.32	3.7	.09	.7	.06	1.5	.16	1.4	.01	.1
2 OR MORE UNITS	1.8	.17	2.0	.07	.6	.03	.8	.07	.6	Q	Q
NUMBER OF ROOMS											
1 TO 3	.5	.03	.4	.01	.1	.01	.2	.01	.1	Q	Q
4 TO 5	1.7	.18	2.1	.05	.5	.03	.9	.08	.7	Q	Q
6 OR MORE	2.0	.30	3.4	.10	.8	.05	1.3	.15	1.3	Q	Q
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)											
LESS THAN 999	1.2	.10	1.2	.03	.3	.02	.6	.04	.4	Q	Q
1,000 TO 1,999	1.9	.23	2.7	.07	.6	.04	1.0	.11	.9	Q	Q
2,000 OR MORE	1.1	.18	2.0	.06	.5	.03	.8	.09	.7	Q	Q
YEAR HOUSE BUILT											
BEFORE 1950	2.4	.31	3.4	.11	.9	.05	1.1	.15	1.3	Q	Q
1950 TO 1974	1.5	.16	2.0	.04	.4	.04	.9	.08	.7	Q	Q
AFTER 1974	.3	.03	.5	.01	.1	.01	.3	.01	.1	Q	Q
OWN/RENT											
OWN	2.7	0.37	4.2	0.11	0.9	0.07	1.7	0.18	1.5	0.01	0.1
RENT	1.5	.14	1.7	.05	.4	.03	.7	.06	.5	Q	Q
1981 FAMILY INCOME											
LESS THAN $10,000	1.0	.10	1.2	.03	.3	.02	.4	.05	.4	Q	Q
$10,000 TO $19,999	1.2	.14	1.6	.04	.3	.03	.7	.07	.6	Q	Q
$20,000 TO $34,999	.6	.06	.8	.02	.2	.01	.3	.03	.3	Q	Q
$35,000 OR MORE	1.4	.20	2.3	.08	.6	.04	.9	.08	.7	Q	Q
TOTAL BELOW 100 PERCENT OF POVERTY LINE	.3	.02	.3	.01	.1	.01	.1	.01	.1	Q	Q
TOTAL BELOW 125 PERCENT OF POVERTY LINE	.6	.06	.7	.02	.2	.01	.3	.03	.2	Q	Q
AGE OF HOUSEHOLD HEAD											
UNDER 35 YEARS	1.2	.12	1.5	.03	.3	.03	.7	.06	.5	Q	Q
35 TO 59 YEARS	1.7	.22	2.6	.07	.6	.05	1.1	.10	.9	Q	Q
60 YEARS AND OVER	1.3	.16	1.8	.06	.5	.02	.6	.08	.7	Q	Q
HOUSEHOLD MEMBERS											
ONE PERSON	.8	.08	.9	.02	.2	.01	.3	.04	.3	Q	Q
2 TO 4 PEOPLE	2.9	.36	4.1	.11	1.0	.06	1.6	.18	1.5	Q	Q
5 OR MORE PEOPLE	.5	.07	.8	.02	.2	.02	.4	.02	.2	Q	Q

See footnotes at end of table.

Total Consumption and Expenditures

Table 1. (Continued) Census Division: New England

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL MAJOR FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUEFIED PETROLEUM GAS	
		TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)
MAIN HEATING FUEL											
NATURAL GAS	1.2	.16	1.7	.13	1.1	.02	.6	Q	Q	Q	Q
ELECTRICITY	.3	.01	.3	Q	Q	.01	.3	Q	Q	Q	Q
FUEL OIL OR KEROSENE	2.1	.30	3.3	.03	.2	.04	1.1	.23	1.9	Q	Q
LPG	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
WOOD	.5	.03	.5	Q	Q	.01	.3	.01	.1	Q	Q
OTHER OR NONE	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
HOT WATER FUEL											
NATURAL GAS	1.6	0.22	2.4	0.14	1.2	0.03	0.8	0.05	0.4	Q	Q
ELECTRICITY	1.0	.08	1.2	.01	.1	.03	.8	.03	.3	Q	Q
FUEL OIL OR KEROSENE	1.4	.18	2.0	.01	.1	.03	.7	.15	1.3	Q	Q
OTHER	.2	.02	.2	Q	Q	Q	.1	.01	Q	0.01	0.1
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE											
<2,000 CDD AND >7,000 HDD	1.1	.11	1.3	.02	.1	.02	.6	.06	.5	.01	.1
<2,000 CDD AND 5,500 TO 7,000 HDD	3.1	.40	4.6	.15	1.2	.07	1.8	.18	1.5	Q	Q
<2,000 CDD AND 4,000 TO 5,499 HDD	-	-	-	-	-	-	-	-	-	-	-
<2,000 CDD AND <4,000 HDD	-	-	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Total Consumption and Expenditures

Table 1. (Continued) Census Division: Middle Atlantic

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL MAJOR FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUEFIED PETROLEUM GAS	
		TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)
TOTAL HOUSEHOLDS	13.7	1.68	18.7	0.83	5.8	0.29	8.1	0.55	4.6	0.01	0.2
AREA TYPE											
METROPOLITAN	12.2	1.52	17.2	.75	5.5	.25	7.3	.51	4.3	.01	.1
CENTRAL CITY	5.1	.68	7.6	.35	2.8	.07	2.7	.26	2.2	Q	Q
OUTSIDE CENTRAL CITY	7.1	.84	9.6	.40	2.7	.17	4.6	.26	2.2	.01	.1
NON-METROPOLITAN	1.5	.16	1.5	.08	.3	.04	.8	.04	.3	.01	.1
UTILITIES PAID BY HOUSEHOLD											
ALL PAID BY HOUSEHOLD	9.4	1.20	13.3	.61	4.2	.24	6.2	.33	2.8	.01	.2
SOME, NONE, OTHER PAID BY HOUSEHOLD	4.3	.48	5.4	.21	1.7	.05	1.9	.21	1.8	Q	Q
TYPE OF HOUSING STRUCTURE											
MOBILE HOME	.3	.02	.2	.01	Q	.01	.1	.01	.1	Q	Q
SINGLE FAMILY	8.3	1.10	12.0	.58	3.8	.21	5.5	.30	2.5	.01	.1
2 OR MORE UNITS	5.2	.55	6.4	.24	1.9	.07	2.5	.24	2.0	Q	Q
NUMBER OF ROOMS											
1 TO 3	2.3	.22	2.5	.08	.6	.03	.9	.11	1.0	Q	Q
4 TO 5	4.6	.49	5.6	.22	1.6	.08	2.4	.18	1.5	.01	.1
6 OR MORE	6.8	.96	10.6	.53	3.6	.18	4.8	.25	2.1	.01	.1
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)											
LESS THAN 999	4.8	.46	5.3	.19	1.5	.06	2.0	.20	1.7	.01	.1
1,000 TO 1,999	5.2	.66	7.2	.34	2.3	.12	3.2	.19	1.6	Q	Q
2,000 OR MORE	3.7	.56	6.2	.29	2.0	.10	2.8	.16	1.3	Q	Q
YEAR HOUSE BUILT											
BEFORE 1950	7.0	.87	9.3	.41	3.0	.12	3.5	.33	2.8	.01	.1
1950 TO 1974	5.6	.69	7.8	.37	2.5	.13	3.7	.18	1.5	.01	.1
AFTER 1974	1.2	.12	1.6	.05	.4	.04	.9	.03	.3	Q	Q
OWN/RENT											
OWN	8.5	1.15	12.7	0.58	4.0	0.21	5.7	0.35	3.0	0.01	0.1
RENT	5.2	.53	6.0	.25	1.9	.08	2.4	.20	1.7	.01	.1
1981 FAMILY INCOME											
LESS THAN $10,000	4.4	.46	5.0	.20	1.4	.07	1.9	.19	1.6	.01	.1
$10,000 TO $19,999	4.2	.48	5.3	.23	1.6	.08	2.2	.17	1.4	Q	Q
$20,000 TO $34,999	2.0	.27	2.9	.15	1.0	.04	1.2	.08	.6	Q	Q
$35,000 OR MORE	3.2	.46	5.4	.25	1.8	.09	2.7	.12	1.0	Q	Q
TOTAL BELOW 100 PERCENT OF POVERTY LINE	2.0	.23	2.5	.11	.8	.03	.9	.08	.7	Q	Q
TOTAL BELOW 125 PERCENT OF POVERTY LINE	3.0	.34	3.6	.15	1.1	.05	1.4	.13	1.1	Q	.1
AGE OF HOUSEHOLD HEAD											
UNDER 35 YEARS	3.5	.38	4.5	.20	1.5	.08	2.1	.10	.9	Q	Q
35 TO 59 YEARS	5.8	.77	8.7	.40	2.8	.14	4.0	.23	1.9	.01	.1
60 YEARS AND OVER	4.4	.53	5.5	.23	1.6	.07	2.0	.22	1.8	.01	.1
HOUSEHOLD MEMBERS											
ONE PERSON	3.6	.35	3.7	.15	1.1	.05	1.3	.15	1.3	Q	Q
2 TO 4 PEOPLE	8.3	1.07	11.9	.56	3.9	.19	5.3	.31	2.6	.01	.1
5 OR MORE PEOPLE	1.8	.26	3.1	.12	.8	.05	1.5	.09	.7	Q	Q

See footnotes at end of table.

Total Consumption and Expenditures

Table 1. (Continued) Census Division: Middle Atlantic

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL MAJOR FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUEFIED PETROLEUM GAS	
		TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)
MAIN HEATING FUEL											
NATURAL GAS	6.3	.86	8.4	.74	5.0	.11	3.3	.01	Q	Q	Q
ELECTRICITY	1.0	.05	1.2	Q	Q	.05	1.1	Q	Q	Q	Q
FUEL OIL OR KEROSENE	5.4	.72	8.4	.08	.8	.10	3.1	.53	4.5	Q	.1
LPG	.2	.01	.1	Q	Q	Q	Q	Q	Q	.01	.1
WOOD	.5	.03	.5	.01	Q	.02	.4	.01	.1	Q	Q
OTHER OR NONE	.3	.01	.2	Q	Q	.01	.2	Q	Q	Q	Q
HOT WATER FUEL											
NATURAL GAS	7.1	0.93	9.2	0.74	5.0	0.12	3.6	0.08	0.7	Q	Q
ELECTRICITY	2.7	.24	3.6	.04	.3	.11	2.5	.09	.7	0.01	0.1
FUEL OIL OR KEROSENE	3.6	.47	5.4	.05	.5	.05	1.8	.37	3.1	Q	Q
OTHER	.3	.03	.4	Q	Q	.01	.2	.02	.1	.01	.1
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE											
<2,000 CDD AND >7,000 HDD	.5	.04	.5	Q	Q	.01	.3	.02	.2	.01	.1
<2,000 CDD AND 5,500 TO 7,000 HDD	4.9	.57	5.8	.33	1.9	.12	2.8	.12	1.0	.01	.1
<2,000 CDD AND 4,000 TO 5,499 HDD	8.3	1.07	12.4	.50	3.9	.15	5.0	.41	3.4	Q	Q
<2,000 CDD AND <4,000 HDD	-	-	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Total Consumption and Expenditures

Table 1. (Continued) Census Region: North Central

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL MAJOR FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUEFIED PETROLEUM GAS	
		TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)
TOTAL HOUSEHOLDS	21.3	2.60	22.6	1.76	9.2	0.57	11.2	0.15	1.3	0.11	0.9
AREA TYPE											
METROPOLITAN	14.7	1.86	16.0	1.34	7.1	.39	7.8	.11	.9	.02	.2
CENTRAL CITY	7.2	.93	7.6	.71	3.8	.19	3.6	.03	.3	Q	Q
OUTSIDE CENTRAL CITY	7.6	.94	8.3	.63	3.3	.20	4.2	.08	.6	.02	.2
NON-METROPOLITAN	6.6	.74	6.6	.42	2.1	.18	3.5	.04	.4	.09	.7
UTILITIES PAID BY HOUSEHOLD											
ALL PAID BY HOUSEHOLD	17.5	2.24	19.5	1.51	7.8	.51	9.8	.12	1.0	.11	.9
SOME, NONE, OTHER PAID BY HOUSEHOLD	3.8	.35	3.0	.26	1.4	.07	1.4	.03	.2	Q	Q
TYPE OF HOUSING STRUCTURE											
MOBILE HOME	.7	.06	.7	.02	.1	.02	.4	Q	Q	.01	.1
SINGLE FAMILY	15.0	2.01	17.4	1.34	6.9	.45	8.7	.12	1.0	.09	.8
2 OR MORE UNITS	5.6	.53	4.5	.41	2.2	.10	2.1	.02	.2	Q	Q
NUMBER OF ROOMS											
1 TO 3	2.4	.18	1.7	.12	.7	.04	.9	.01	.1	Q	Q
4 TO 5	9.6	1.05	9.1	.70	3.7	.22	4.4	.07	.6	.05	.4
6 OR MORE	9.3	1.37	11.8	.94	4.8	.31	6.0	.07	.5	.06	.5
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)											
LESS THAN 999	6.8	.61	5.2	.44	2.3	.13	2.5	.02	.2	.02	.2
1,000 TO 1,999	8.1	.99	8.8	.64	3.3	.23	4.5	.07	.6	.05	.4
2,000 OR MORE	6.3	.99	8.5	.68	3.5	.22	4.2	.05	.4	.04	.4
YEAR HOUSE BUILT											
BEFORE 1950	9.3	1.24	9.9	.90	4.7	.20	4.1	.10	.8	.04	.4
1950 TO 1974	9.2	1.07	9.7	.72	3.8	.26	5.2	.04	.3	.05	.4
AFTER 1974	2.9	.29	3.0	.14	.7	.11	1.9	.02	.2	.02	.2
OWN/RENT											
OWN	14.3	1.89	16.6	1.23	6.3	0.43	8.4	0.12	1.0	0.10	0.9
RENT	7.0	.71	6.0	.53	2.8	.14	2.9	.03	.2	.01	.1
1981 FAMILY INCOME											
LESS THAN $10,000	6.8	.74	6.1	.52	2.7	.13	2.7	.05	.4	.04	.3
$10,000 TO $19,999	6.7	.76	6.7	.52	2.7	.17	3.4	.05	.4	.02	.2
$20,000 TO $34,999	2.9	.37	3.5	.23	1.2	.10	1.9	.02	.2	.02	.2
$35,000 OR MORE	4.9	.72	6.3	.50	2.5	.17	3.3	.03	.2	.03	.2
TOTAL BELOW 100 PERCENT OF POVERTY LINE	2.8	.32	2.6	.23	1.2	.05	1.1	.03	.2	.01	.1
TOTAL BELOW 125 PERCENT OF POVERTY LINE	4.0	.46	3.7	.33	1.7	.08	1.6	.03	.3	.02	.1
AGE OF HOUSEHOLD HEAD											
UNDER 35 YEARS	6.5	.68	6.1	.46	2.4	.17	3.2	.03	.2	.02	.2
35 TO 59 YEARS	8.8	1.19	10.5	.80	4.2	.27	5.3	.06	.5	.06	.5
60 YEARS AND OVER	6.0	.72	6.0	.50	2.6	.13	2.7	.07	.5	.03	.2
HOUSEHOLD MEMBERS											
ONE PERSON	4.7	.46	3.7	.33	1.8	.07	1.5	.03	.3	.02	.1
2 TO 4 PEOPLE	13.6	1.69	14.8	1.14	5.9	.39	7.5	.10	.9	.06	.5
5 OR MORE PEOPLE	3.0	.45	4.1	.29	1.5	.11	2.2	.01	.1	.03	.2

See footnotes at end of table.

Total Consumption and Expenditures

Table 1. (Continued) Census Region: North Central

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL MAJOR FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUEFIED PETROLEUM GAS	
		TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)
MAIN HEATING FUEL											
NATURAL GAS	15.5	2.06	15.9	1.74	9.0	.32	6.8	Q	Q	Q	Q
ELECTRICITY	2.1	.15	2.3	.01	Q	.14	2.2	Q	Q	.01	.1
FUEL OIL OR KEROSENE	1.6	.20	2.2	.01	Q	.05	1.0	.14	1.2	Q	Q
LPG	1.0	.12	1.3	Q	Q	.03	.6	Q	Q	.09	.7
WOOD	1.1	.06	.9	.01	.1	.04	.7	.01	Q	.01	.1
OTHER OR NONE	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
HOT WATER FUEL											
NATURAL GAS	14.7	1.96	15.1	1.64	8.5	0.30	6.5	0.02	0.1	Q	Q
ELECTRICITY	5.5	.52	6.1	.12	.6	.25	4.2	.11	.9	0.04	0.3
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER	1.0	.11	1.2	Q	Q	.03	.6	.01	.1	.07	.6
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE											
<2,000 CDD AND >7,000 HDD	5.5	.64	5.8	.35	2.0	.15	2.7	.09	.8	.04	.4
<2,000 CDD AND 5,500 TO 7,000 HDD	11.5	1.45	12.2	1.07	5.5	.30	6.1	.05	.4	.04	.3
<2,000 CDD AND 4,000 TO 5,499 HDD	4.3	.51	4.6	.34	1.7	.13	2.5	.01	.1	.03	.2
<2,000 CDD AND <4,000 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
>2,000 CDD AND <4,000 HDD	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Total Consumption and Expenditures

Table 1. (Continued) Census Division: East North Central

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL MAJOR FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUEFIED PETROLEUM GAS	
		TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)
TOTAL HOUSEHOLDS	15.0	1.82	15.8	1.24	6.5	0.39	7.7	0.13	1.1	0.06	0.5
AREA TYPE											
METROPOLITAN	11.4	1.44	12.3	1.04	5.5	.29	5.9	.09	.8	.01	.1
CENTRAL CITY	5.4	.71	5.8	.54	2.9	.14	2.7	.03	.2	Q	Q
OUTSIDE CENTRAL CITY	6.0	.73	6.5	.50	2.6	.15	3.2	.07	.6	.01	.1
NON-METROPOLITAN	3.6	.37	3.5	.20	1.1	.10	1.8	.03	.3	.04	.4
UTILITIES PAID BY HOUSEHOLD											
ALL PAID BY HOUSEHOLD	12.1	1.55	13.5	1.05	5.5	.34	6.6	.10	.8	.06	.5
SOME, NONE, OTHER PAID BY HOUSEHOLD	2.9	.27	2.3	.19	1.0	.05	1.1	.03	.2	Q	Q
TYPE OF HOUSING STRUCTURE											
MOBILE HOME	.4	.04	.4	.01	Q	.02	.3	Q	Q	.01	.1
SINGLE FAMILY	10.1	1.35	11.8	.91	4.7	.30	5.7	.11	.9	.05	.4
2 OR MORE UNITS	4.5	.43	3.6	.33	1.8	.08	1.7	.02	.2	Q	Q
NUMBER OF ROOMS											
1 TO 3	1.8	.13	1.3	.08	.5	.03	.7	.01	.1	Q	Q
4 TO 5	6.9	.75	6.5	.51	2.7	.15	3.0	.06	.5	.03	.3
6 OR MORE	6.3	.94	8.1	.65	3.4	.20	4.0	.06	.5	.03	.2
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)											
LESS THAN 999	5.0	.44	3.8	.33	1.8	.09	1.8	.02	.1	.01	.1
1,000 TO 1,999	5.6	.69	6.1	.45	2.4	.15	2.9	.06	.5	.03	.2
2,000 OR MORE	4.3	.68	5.9	.47	2.4	.15	3.0	.05	.4	.02	.2
YEAR HOUSE BUILT											
BEFORE 1950	6.9	.92	7.5	.68	3.6	.14	3.0	.09	.7	.02	.2
1950 TO 1974	6.2	.70	6.4	.48	2.5	.17	3.5	.02	.2	.03	.2
AFTER 1974	1.9	.19	1.9	.08	.4	.07	1.2	.02	.1	.01	.1
OWN/RENT											
OWN	9.6	1.26	11.2	0.82	4.3	0.28	5.5	0.11	0.9	0.06	0.5
RENT	5.4	.55	4.7	.42	2.3	.11	2.2	.02	.2	Q	Q
1981 FAMILY INCOME											
LESS THAN $10,000	5.1	.56	4.7	.39	2.1	.10	2.0	.04	.4	.02	.2
$10,000 TO $19,999	4.8	.55	4.9	.37	2.0	.12	2.4	.04	.4	.01	.1
$20,000 TO $34,999	1.8	.23	2.1	.14	.8	.06	1.1	.02	.1	.01	.1
$35,000 OR MORE	3.2	.48	4.2	.33	1.7	.11	2.2	.03	.2	.01	.1
TOTAL BELOW 100 PERCENT OF POVERTY LINE	2.1	.25	2.1	.19	1.0	.04	.8	.02	.2	.01	.1
TOTAL BELOW 125 PERCENT OF POVERTY LINE	3.0	.35	2.9	.25	1.3	.06	1.2	.03	.2	.01	.1
AGE OF HOUSEHOLD HEAD											
UNDER 35 YEARS	4.6	.46	4.1	.32	1.7	.11	2.1	.02	.2	.01	.1
35 TO 59 YEARS	6.0	.82	7.2	.55	2.9	.18	3.6	.05	.4	.03	.3
60 YEARS AND OVER	4.4	.53	4.5	.37	1.9	.10	2.0	.06	.5	.01	.1
HOUSEHOLD MEMBERS											
ONE PERSON	3.3	.33	2.6	.24	1.3	.05	1.0	.03	.2	.01	.1
2 TO 4 PEOPLE	9.4	1.15	10.1	.78	4.1	.26	5.0	.09	.8	.03	.3
5 OR MORE PEOPLE	2.2	.34	3.1	.22	1.2	.08	1.7	.01	.1	.02	.2

See footnotes at end of table.

Total Consumption and Expenditures

Table 1. (Continued) Census Division: East North Central

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL MAJOR FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUEFIED PETROLEUM GAS	
		TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)
MAIN HEATING FUEL											
NATURAL GAS	10.8	1.43	11.0	1.23	6.5	.20	4.5	Q	Q	Q	Q
ELECTRICITY	1.6	.12	1.8	.01	Q	.10	1.6	Q	Q	.01	.1
FUEL OIL OR KEROSENE	1.3	.17	1.8	Q	Q	.04	.8	.12	1.0	Q	Q
LPG	.5	.05	.6	Q	Q	.01	.3	Q	Q	.04	.4
WOOD	.8	.04	.6	Q	Q	.03	.5	.01	Q	.01	.1
OTHER OR NONE	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
HOT WATER FUEL											
NATURAL GAS	10.1	1.35	10.4	1.15	6.1	0.19	4.3	0.01	0.1	Q	Q
ELECTRICITY	4.2	.39	4.6	.09	.5	.18	3.1	.10	.8	0.03	0.2
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER	.6	.06	.7	Q	Q	.02	.3	.01	.1	.03	.3
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE											
<2,000 CDD AND >7,000 HDD	3.4	.35	3.3	.17	1.0	.08	1.5	.08	.6	.03	.3
<2,000 CDD AND 5,500 TO 7,000 HDD	10.2	1.28	10.9	.95	4.9	.27	5.4	.05	.4	.02	.2
<2,000 CDD AND 4,000 TO 5,499 HDD	1.5	.18	1.6	.13	.7	.04	.8	.01	.1	.01	.1
<2,000 CDD AND <4,000 HDD	-	-	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Total Consumption and Expenditures

Table 1. (Continued) Census Division: West North Central

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL MAJOR FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUEFIED PETROLEUM GAS	
		TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)
TOTAL HOUSEHOLDS	6.3	0.78	6.7	0.52	2.6	0.19	3.5	0.02	0.2	0.05	0.4
AREA TYPE											
METROPOLITAN	3.3	.42	3.6	.30	1.6	.10	1.8	.01	.1	.01	.1
CENTRAL CITY	1.7	.22	1.8	.17	.9	.05	.8	Q	Q	Q	Q
OUTSIDE CENTRAL CITY	1.6	.20	1.9	.13	.7	.06	1.0	.01	.1	.01	.1
NON-METROPOLITAN	3.0	.36	3.1	.22	1.0	.09	1.7	.01	.1	.04	.3
UTILITIES PAID BY HOUSEHOLD											
ALL PAID BY HOUSEHOLD	5.5	.70	6.0	.46	2.3	.17	3.2	.02	.2	.05	.4
SOME, NONE, OTHER PAID BY HOUSEHOLD	.8	.08	.7	.06	.3	.02	.3	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE											
MOBILE HOME	.3	.02	.2	.01	Q	.01	.1	Q	Q	Q	Q
SINGLE FAMILY	4.9	.65	5.6	.43	2.1	.16	3.0	.02	.1	.05	.4
2 OR MORE UNITS	1.1	.11	.9	.08	.4	.02	.4	Q	Q	Q	Q
NUMBER OF ROOMS											
1 TO 3	.7	.05	.4	.04	.2	.01	.2	Q	Q	Q	Q
4 TO 5	2.7	.30	2.6	.20	1.0	.07	1.4	.01	.1	.01	.1
6 OR MORE	3.0	.43	3.7	.29	1.4	.10	1.9	.01	.1	.03	.3
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)											
LESS THAN 999	1.8	.17	1.4	.11	.6	.04	.7	.01	.1	.01	Q
1,000 TO 1,999	2.5	.31	2.7	.19	1.0	.08	1.6	.01	.1	.02	.2
2,000 OR MORE	2.0	.31	2.6	.21	1.1	.07	1.2	Q	Q	.03	.2
YEAR HOUSE BUILT											
BEFORE 1950	2.3	.32	2.5	.23	1.1	.05	1.1	.01	.1	.03	.2
1950 TO 1974	3.0	.36	3.2	.24	1.3	.09	1.7	.01	.1	.02	.2
AFTER 1974	1.0	.10	1.0	.06	.3	.04	.7	Q	Q	Q	Q
OWN/RENT											
OWN	4.8	0.63	5.4	0.41	2.1	0.15	2.9	0.02	0.1	0.05	0.4
RENT	1.5	.15	1.3	.11	.6	.04	.7	Q	Q	Q	Q
1981 FAMILY INCOME											
LESS THAN $10,000	1.7	.18	1.5	.12	.6	.03	.7	.01	.1	.01	.1
$10,000 TO $19,999	1.8	.21	1.8	.14	.7	.05	1.0	.01	.1	.01	.1
$20,000 TO $34,999	1.1	.14	1.3	.09	.5	.04	.7	.01	Q	.01	.1
$35,000 OR MORE	1.7	.24	2.1	.17	.8	.06	1.2	Q	Q	.02	.1
TOTAL BELOW 100 PERCENT OF POVERTY LINE	.7	.07	.5	.05	.2	.01	.3	Q	Q	Q	Q
TOTAL BELOW 125 PERCENT OF POVERTY LINE	1.0	.11	.9	.08	.4	.02	.4	.01	Q	Q	Q
AGE OF HOUSEHOLD HEAD											
UNDER 35 YEARS	2.0	.21	2.0	.14	.7	.06	1.1	.01	.1	.01	.1
35 TO 59 YEARS	2.8	.38	3.3	.25	1.3	.09	1.7	.01	Q	.03	.2
60 YEARS AND OVER	1.6	.19	1.5	.13	.6	.03	.7	.01	.1	.01	.1
HOUSEHOLD MEMBERS											
ONE PERSON	1.4	.13	1.1	.09	.5	.02	.5	.01	.1	.01	.1
2 TO 4 PEOPLE	4.2	.54	4.7	.36	1.8	.13	2.5	.01	.1	.03	.3
5 OR MORE PEOPLE	.8	.11	1.0	.07	.3	.03	.6	Q	Q	.01	.1

See footnotes at end of table.

Total Consumption and Expenditures

Table 1. (Continued) Census Division: West North Central

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL MAJOR FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUEFIED PETROLEUM GAS	
		TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)
MAIN HEATING FUEL											
NATURAL GAS	4.7	.63	4.9	.51	2.6	.12	2.3	Q	Q	Q	Q
ELECTRICITY	.5	.04	.5	Q	Q	.03	.5	Q	Q	Q	Q
FUEL OIL OR KEROSENE	.3	.03	.4	Q	Q	.01	.2	.02	.2	Q	Q
LPG	.5	.06	.7	Q	Q	.02	.3	Q	Q	.05	.4
WOOD	.3	.02	.3	Q	Q	.01	.2	Q	Q	Q	Q
OTHER OR NONE	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
HOT WATER FUEL											
NATURAL GAS	4.5	0.61	4.7	0.49	2.5	0.11	2.2	0.01	0.1	Q	Q
ELECTRICITY	1.3	.13	1.5	.03	.2	.07	1.1	.02	.1	0.01	0.1
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER	.4	.05	.5	Q	Q	.01	.2	Q	Q	.04	.3
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE											
<2,000 CDD AND >7,000 HDD	2.1	.28	2.5	.19	1.0	.06	1.2	.02	.1	.02	.1
<2,000 CDD AND 5,500 TO 7,000 HDD	1.3	.17	1.3	.12	.6	.03	.6	Q	Q	.02	.1
<2,000 CDD AND 4,000 TO 5,499 HDD	2.9	.33	2.9	.21	1.0	.09	1.7	.01	Q	.02	.1
<2,000 CDD AND <4,000 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
>2,000 CDD AND <4,000 HDD	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Total Consumption and Expenditures

Table 1. (Continued)
Census Region: South

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL MAJOR FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUEFIED PETROLEUM GAS	
		TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)
TOTAL HOUSEHOLDS	28.1	2.46	28.6	1.13	6.3	1.05	19.6	0.17	1.4	0.12	1.2
AREA TYPE											
METROPOLITAN	18.6	1.73	20.0	.86	4.8	.71	13.7	.11	.9	.05	.6
CENTRAL CITY	8.5	.81	8.5	.47	2.4	.30	5.7	.04	.3	.01	.1
OUTSIDE CENTRAL CITY	10.1	.92	11.5	.39	2.4	.41	8.0	.07	.6	.05	.5
NON-METROPOLITAN	9.4	.73	8.6	.27	1.6	.34	5.9	.06	.5	.07	.6
UTILITIES PAID BY HOUSEHOLD											
ALL PAID BY HOUSEHOLD	24.7	2.20	25.5	1.00	5.5	.95	17.7	.15	1.2	.11	1.0
SOME, NONE, OTHER PAID BY HOUSEHOLD	3.3	.26	3.0	.13	.8	.10	1.9	.02	.2	.01	.1
TYPE OF HOUSING STRUCTURE											
MOBILE HOME	1.8	.10	1.5	.01	.1	.06	1.1	.01	.1	.02	.2
SINGLE FAMILY	20.9	2.00	22.5	.95	5.2	.82	15.2	.14	1.2	.10	1.0
2 OR MORE UNITS	5.4	.37	4.6	.17	1.1	.18	3.4	.02	.2	Q	Q
NUMBER OF ROOMS											
1 TO 3	3.1	.17	2.3	.07	.4	.09	1.7	.01	.1	.01	.1
4 TO 5	12.6	.95	11.0	.44	2.4	.39	7.4	.06	.5	.06	.6
6 OR MORE	12.3	1.34	15.3	.63	3.5	.57	10.5	.09	.8	.05	.5
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)											
LESS THAN 999	10.5	.69	8.4	.30	1.8	.29	5.7	.04	.4	.05	.5
1,000 TO 1,999	13.2	1.19	13.9	.54	2.9	.53	9.7	.07	.6	.06	.6
2,000 OR MORE	4.2	.57	6.3	.29	1.6	.23	4.2	.05	.4	.01	.1
YEAR HOUSE BUILT											
BEFORE 1950	7.7	.69	7.2	.34	1.9	.21	4.0	.08	.7	.06	.5
1950 TO 1974	15.6	1.42	16.4	.68	3.8	.61	11.4	.08	.7	.05	.5
AFTER 1974	4.7	.36	5.0	.11	.6	.23	4.2	.01	Q	.01	.1
OWN/RENT											
OWN	18.5	1.75	20.3	0.79	4.4	0.76	14.1	0.12	1.0	0.08	0.8
RENT	9.6	.72	8.3	.34	2.0	.29	5.5	.05	.4	.04	.4
1981 FAMILY INCOME											
LESS THAN $10,000	9.5	.68	7.7	.31	1.9	.25	4.8	.05	.5	.06	.6
$10,000 TO $19,999	8.0	.69	7.9	.30	1.7	.29	5.4	.05	.4	.04	.4
$20,000 TO $34,999	4.3	.40	4.5	.19	1.1	.17	3.1	.02	.2	.01	.1
$35,000 OR MORE	6.3	.70	8.5	.32	1.8	.33	6.3	.04	.3	.01	.1
TOTAL BELOW 100 PERCENT OF POVERTY LINE	5.1	.38	4.2	.18	1.0	.13	2.5	.03	.3	.04	.4
TOTAL BELOW 125 PERCENT OF POVERTY LINE	6.9	.51	5.7	.24	1.4	.18	3.5	.04	.3	.05	.4
AGE OF HOUSEHOLD HEAD											
UNDER 35 YEARS	8.8	.72	8.5	.32	1.8	.32	6.0	.05	.4	.03	.3
35 TO 59 YEARS	11.6	1.12	13.0	.52	2.9	.49	9.1	.06	.5	.04	.4
60 YEARS AND OVER	7.7	.63	7.1	.29	1.6	.24	4.5	.06	.5	.05	.4
HOUSEHOLD MEMBERS											
ONE PERSON	6.1	.41	4.7	.20	1.2	.15	3.0	.04	.3	.03	.3
2 TO 4 PEOPLE	18.6	1.68	19.7	.75	4.2	.74	13.8	.11	1.0	.08	.7
5 OR MORE PEOPLE	3.3	.37	4.2	.18	1.0	.16	2.9	.02	.2	.01	.1

See footnotes at end of table.

Total Consumption and Expenditures

Table 1. (Continued)
Census Region: South

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL MAJOR FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUEFIED PETROLEUM GAS	
		TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)
MAIN HEATING FUEL											
NATURAL GAS	13.3	1.49	14.0	1.08	6.0	.41	8.0	Q	Q	Q	Q
ELECTRICITY	6.8	.42	7.1	.03	.2	.38	6.9	Q	Q	Q	Q
FUEL OIL OR KEROSENE	2.5	.24	3.0	.01	.1	.08	1.5	.15	1.3	.01	.1
LPG	2.3	.16	2.2	Q	Q	.06	1.3	Q	Q	.10	.9
WOOD	2.6	.12	1.9	.01	.1	.09	1.7	.01	Q	.01	.1
OTHER OR NONE	.6	.02	.4	Q	Q	.02	.3	Q	Q	Q	Q
HOT WATER FUEL											
NATURAL GAS	12.4	1.39	13.2	1.00	5.5	0.38	7.5	0.02	0.1	Q	Q
ELECTRICITY	13.2	.89	13.0	.13	.8	.62	10.9	.09	.8	0.05	0.5
FUEL OIL OR KEROSENE	.4	.06	.6	Q	Q	.01	.3	.04	.3	Q	Q
OTHER	2.0	.13	1.8	Q	Q	.04	1.0	.02	.1	.07	.7
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE											
<2,000 CDD AND >7,000 HDD	-	-	-	-	-	-	-	-	-	-	-
<2,000 CDD AND 5,500 TO 7,000 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
<2,000 CDD AND 4,000 TO 5,499 HDD	6.4	.60	6.9	.27	1.7	.22	4.1	.10	.8	.02	.2
<2,000 CDD AND <4,000 HDD	10.4	.92	9.9	.42	2.2	.39	6.7	.06	.5	.05	.5
>2,000 CDD AND <4,000 HDD	11.3	.94	11.9	.44	2.5	.44	8.8	.01	.1	.05	.5

See footnotes at end of table.

Total Consumption and Expenditures

Table 1. (Continued) Census Division: South Atlantic

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL MAJOR FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUEFIED PETROLEUM GAS	
		TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)
TOTAL HOUSEHOLDS	13.9	1.11	14.0	0.41	2.7	0.48	9.3	0.16	1.3	0.06	0.7
AREA TYPE											
METROPOLITAN	10.0	.85	10.7	.35	2.3	.35	7.0	.11	.9	.04	.4
CENTRAL CITY	3.8	.31	3.8	.15	1.0	.13	2.5	.03	.3	.01	.1
OUTSIDE CENTRAL CITY	6.2	.54	6.8	.21	1.4	.23	4.5	.07	.6	.03	.3
NON-METROPOLITAN	3.9	.26	3.4	.06	.4	.13	2.3	.05	.4	.02	.2
UTILITIES PAID BY HOUSEHOLD											
ALL PAID BY HOUSEHOLD	12.0	.95	12.2	.33	2.1	.43	8.4	.14	1.2	.06	.6
SOME, NONE, OTHER PAID BY HOUSEHOLD	2.0	.16	1.8	.08	.6	.05	1.0	.02	.2	.01	.1
TYPE OF HOUSING STRUCTURE											
MOBILE HOME	1.2	.06	.9	Q	Q	.03	.7	.01	.1	.01	.1
SINGLE FAMILY	9.8	.86	10.6	.32	2.0	.36	6.9	.13	1.1	.05	.5
2 OR MORE UNITS	2.9	.19	2.5	.09	.6	.09	1.7	.02	.2	Q	Q
NUMBER OF ROOMS											
1 TO 3	1.6	.08	1.2	.02	.1	.04	.9	.01	.1	Q	Q
4 TO 5	6.1	.41	5.2	.14	.9	.18	3.5	.06	.5	.03	.3
6 OR MORE	6.1	.63	7.6	.25	1.6	.26	5.0	.09	.7	.03	.3
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)											
LESS THAN 999	5.4	.32	4.3	.10	.7	.14	2.9	.04	.4	.03	.4
1,000 TO 1,999	6.1	.48	6.2	.17	1.1	.22	4.2	.07	.6	.02	.2
2,000 OR MORE	2.4	.30	3.5	.13	.9	.11	2.2	.05	.4	.01	.1
YEAR HOUSE BUILT											
BEFORE 1950	3.9	.35	3.9	.13	.8	.11	2.1	.08	.7	.03	.3
1950 TO 1974	8.0	.64	8.1	.24	1.6	.29	5.6	.07	.6	.04	.4
AFTER 1974	2.0	.13	2.0	.04	.3	.09	1.7	Q	Q	Q	Q
OWN/RENT											
OWN	9.0	0.77	9.7	0.28	1.8	0.34	6.6	0.11	0.9	0.04	0.4
RENT	4.9	.34	4.3	.13	.9	.14	2.7	.05	.4	.03	.3
1981 FAMILY INCOME											
LESS THAN $10,000	4.5	.30	3.7	.11	.7	.11	2.2	.05	.5	.03	.3
$10,000 TO $19,999	4.2	.33	4.1	.11	.7	.15	2.8	.05	.4	.02	.2
$20,000 TO $34,999	2.0	.17	2.1	.07	.4	.07	1.4	.02	.2	.01	.1
$35,000 OR MORE	3.2	.31	4.1	.12	.8	.15	3.0	.04	.3	Q	Q
TOTAL BELOW 100 PERCENT OF POVERTY LINE	2.3	.17	2.1	.06	.4	.06	1.2	.03	.3	.02	.2
TOTAL BELOW 125 PERCENT OF POVERTY LINE	3.0	.21	2.6	.08	.5	.08	1.5	.04	.3	.02	.2
AGE OF HOUSEHOLD HEAD											
UNDER 35 YEARS	4.3	.31	4.0	.12	.8	.14	2.7	.04	.4	.02	.2
35 TO 59 YEARS	5.8	.51	6.4	.19	1.2	.23	4.4	.06	.5	.03	.3
60 YEARS AND OVER	3.9	.29	3.6	.10	.7	.11	2.3	.06	.5	.02	.2
HOUSEHOLD MEMBERS											
ONE PERSON	3.4	.22	2.7	.08	.5	.08	1.6	.04	.3	.02	.2
2 TO 4 PEOPLE	9.1	.75	9.5	.27	1.7	.34	6.5	.11	.9	.04	.4
5 OR MORE PEOPLE	1.4	.14	1.8	.06	.4	.06	1.2	.02	.1	.01	.1

See footnotes at end of table.

Total Consumption and Expenditures

Table 1. (Continued) Census Division: South Atlantic

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL MAJOR FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUEFIED PETROLEUM GAS	
		TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)
MAIN HEATING FUEL											
NATURAL GAS	4.6	.52	5.0	.39	2.5	.13	2.4	Q	Q	Q	Q
ELECTRICITY	3.7	.19	3.6	.01	.1	.18	3.5	Q	Q	Q	Q
FUEL OIL OR KEROSENE	2.4	.23	2.8	.01	.1	.07	1.4	.15	1.2	.01	.1
LPG	1.2	.08	1.2	Q	Q	.03	.7	Q	Q	.05	.5
WOOD	1.5	.07	1.2	.01	Q	.05	1.0	.01	Q	.01	.1
OTHER OR NONE	.5	.02	.3	Q	Q	.02	.3	Q	Q	Q	Q
HOT WATER FUEL											
NATURAL GAS	4.3	0.47	4.5	0.34	2.2	0.11	2.2	0.01	0.1	Q	Q
ELECTRICITY	8.2	.52	7.9	.06	.4	.33	6.4	.09	.7	0.03	0.4
FUEL OIL OR KEROSENE	.4	.06	.6	Q	Q	.01	.3	.04	.3	Q	Q
OTHER	1.1	.07	1.0	Q	Q	.02	.5	.02	.1	.03	.3
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE											
<2,000 CDD AND >7,000 HDD	-	-	-	-	-	-	-	-	-	-	-
<2,000 CDD AND 5,500 TO 7,000 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
<2,000 CDD AND 4,000 TO 5,499 HDD	5.1	.48	5.7	.20	1.4	.17	3.3	.10	.8	.02	.2
<2,000 CDD AND <4,000 HDD	5.0	.43	4.9	.18	1.1	.16	3.0	.06	.5	.03	.3
>2,000 CDD AND <4,000 HDD	3.8	.20	3.5	.02	.2	.15	3.1	Q	Q	.02	.2

See footnotes at end of table.

Total Consumption and Expenditures

Table 1. (Continued) Census Division: East South Central

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL MAJOR FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUEFIED PETROLEUM GAS	
		TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)
TOTAL HOUSEHOLDS	5.7	0.47	5.2	0.20	1.0	0.25	3.9	0.01	0.1	0.02	0.2
AREA TYPE											
METROPOLITAN	2.8	.24	2.6	.11	.6	.12	1.9	Q	Q	Q	Q
CENTRAL CITY	1.3	.11	1.1	.06	.3	.05	.8	Q	Q	Q	Q
OUTSIDE CENTRAL CITY	1.5	.13	1.5	.05	.3	.07	1.1	Q	Q	Q	Q
NON-METROPOLITAN	2.9	.23	2.6	.08	.4	.13	2.0	.01	.1	.01	.1
UTILITIES PAID BY HOUSEHOLD											
ALL PAID BY HOUSEHOLD	5.1	.44	4.8	.18	.9	.23	3.6	.01	.1	.02	.2
SOME, NONE, OTHER PAID BY HOUSEHOLD	.5	.04	.4	.02	.1	.02	.3	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE											
MOBILE HOME	.3	.02	.3	.01	Q	.01	.2	Q	Q	Q	Q
SINGLE FAMILY	4.3	.38	4.1	.15	.8	.20	3.1	.01	.1	.01	.1
2 OR MORE UNITS	1.1	.07	.7	.04	.2	.04	.5	Q	Q	Q	Q
NUMBER OF ROOMS											
1 TO 3	.6	.04	.4	.02	.1	.02	.3	Q	Q	Q	Q
4 TO 5	2.5	.18	2.0	.08	.4	.09	1.4	Q	Q	.01	.1
6 OR MORE	2.6	.26	2.8	.10	.5	.14	2.2	Q	Q	.01	.1
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)											
LESS THAN 999	2.1	.14	1.4	.06	.4	.06	1.0	Q	Q	.01	.1
1,000 TO 1,999	2.6	.22	2.5	.08	.4	.13	2.0	Q	Q	.01	.1
2,000 OR MORE	1.0	.12	1.2	.05	.3	.06	.9	Q	Q	Q	Q
YEAR HOUSE BUILT											
BEFORE 1950	1.4	.12	1.1	.07	.4	.05	.7	Q	Q	.01	.1
1950 TO 1974	3.1	.26	2.9	.11	.6	.14	2.2	Q	Q	.01	.1
AFTER 1974	1.2	.08	1.1	.01	.1	.07	1.0	Q	Q	Q	Q
OWN/RENT											
OWN	3.9	0.35	3.8	0.13	0.7	0.19	2.9	0.01	0.1	0.02	0.2
RENT	1.8	.13	1.3	.07	.4	.06	.9	Q	Q	Q	Q
1981 FAMILY INCOME											
LESS THAN $10,000	2.2	.15	1.6	.08	.4	.07	1.1	Q	Q	.01	.1
$10,000 TO $19,999	1.5	.13	1.4	.05	.3	.07	1.1	Q	Q	.01	.1
$20,000 TO $34,999	1.2	.11	1.2	.05	.2	.06	.9	Q	Q	Q	Q
$35,000 OR MORE	.8	.08	1.0	.02	.1	.06	.8	Q	Q	Q	Q
TOTAL BELOW 100 PERCENT OF POVERTY LINE	1.0	.07	.7	.03	.2	.03	.5	Q	Q	.01	.1
TOTAL BELOW 125 PERCENT OF POVERTY LINE	1.5	.10	1.1	.05	.3	.05	.8	Q	Q	.01	.1
AGE OF HOUSEHOLD HEAD											
UNDER 35 YEARS	1.8	.14	1.5	.06	.3	.08	1.2	Q	Q	Q	Q
35 TO 59 YEARS	2.3	.20	2.3	.07	.4	.12	1.8	.01	Q	.01	.1
60 YEARS AND OVER	1.6	.13	1.3	.06	.3	.06	.9	Q	Q	.01	.1
HOUSEHOLD MEMBERS											
ONE PERSON	1.2	.08	.8	.05	.3	.03	.5	Q	Q	Q	Q
2 TO 4 PEOPLE	3.8	.32	3.6	.13	.7	.18	2.8	.01	.1	.01	.1
5 OR MORE PEOPLE	.7	.07	.8	.02	.1	.04	.6	Q	Q	Q	Q

See footnotes at end of table.

Total Consumption and Expenditures

Table 1. (Continued) Census Division: East South Central

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL MAJOR FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUEFIED PETROLEUM GAS	
		TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)
MAIN HEATING FUEL											
NATURAL GAS	2.5	.27	2.4	.19	1.0	.08	1.3	Q	Q	Q	Q
ELECTRICITY	1.8	.12	1.8	Q	Q	.12	1.7	Q	Q	Q	Q
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
LPG	.3	.02	.3	Q	Q	.01	.2	Q	Q	.01	.1
WOOD	.8	.04	.6	Q	Q	.03	.5	Q	Q	Q	Q
OTHER OR NONE	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
HOT WATER FUEL											
NATURAL GAS	1.9	0.21	1.8	0.15	0.8	0.06	1.0	Q	Q	Q	Q
ELECTRICITY	3.6	.25	3.2	.04	.2	.19	2.8	0.01	0.1	0.01	0.1
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER	.2	.01	.2	Q	Q	.01	.1	Q	Q	.01	.1
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE											
<2,000 CDD AND >7,000 HDD	-	-	-	-	-	-	-	-	-	-	-
<2,000 CDD AND 5,500 TO 7,000 HDD	-	-	-	-	-	-	-	-	-	-	-
<2,000 CDD AND 4,000 TO 5,499 HDD	1.3	.12	1.2	.06	.3	.05	.9	Q	Q	Q	Q
<2,000 CDD AND <4,000 HDD	3.4	.26	2.9	.09	.5	.16	2.3	Q	Q	.01	.1
>2,000 CDD AND <4,000 HDD	1.0	.09	1.0	.04	.2	.04	.7	Q	Q	.01	.1

See footnotes at end of table.

Total Consumption and Expenditures

Table 1. (Continued) Census Division: West South Central

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL MAJOR FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUEFIED PETROLEUM GAS	
		TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)
TOTAL HOUSEHOLDS	8.5	0.88	9.4	0.52	2.6	0.32	6.4	Q	Q	0.04	0.3
AREA TYPE											
METROPOLITAN	5.9	.64	6.8	.39	1.9	.24	4.8	Q	Q	.01	.1
CENTRAL CITY	3.5	.38	3.6	.26	1.1	.12	2.4	Q	Q	Q	Q
OUTSIDE CENTRAL CITY	2.4	.26	3.2	.13	.7	.12	2.4	Q	Q	.01	.1
NON-METROPOLITAN	2.6	.24	2.6	.13	.8	.08	1.6	Q	Q	.03	.2
UTILITIES PAID BY HOUSEHOLD											
ALL PAID BY HOUSEHOLD	7.6	.81	8.5	.50	2.5	.29	5.8	Q	Q	.03	.3
SOME, NONE, OTHER PAID BY HOUSEHOLD	.8	.07	.9	.03	.1	.03	.7	Q	Q	.01	.1
TYPE OF HOUSING STRUCTURE											
MOBILE HOME	.3	.02	.3	.01	Q	.01	.2	Q	Q	Q	Q
SINGLE FAMILY	6.8	.76	7.8	.47	2.4	.25	5.1	Q	Q	.03	.3
2 OR MORE UNITS	1.3	.10	1.3	.05	.2	.05	1.1	Q	Q	Q	Q
NUMBER OF ROOMS											
1 TO 3	.9	.06	.7	.03	.2	.02	.5	Q	Q	Q	Q
4 TO 5	4.0	.36	3.8	.22	1.1	.13	2.6	Q	Q	.02	.1
6 OR MORE	3.6	.46	4.9	.27	1.4	.17	3.4	Q	Q	.02	.2
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)											
LESS THAN 999	3.0	.23	2.6	.13	.7	.09	1.8	Q	Q	.01	.1
1,000 TO 1,999	4.5	.49	5.2	.29	1.4	.18	3.5	Q	Q	.03	.2
2,000 OR MORE	.9	.16	1.6	.10	.5	.05	1.1	Q	Q	Q	Q
YEAR HOUSE BUILT											
BEFORE 1950	2.4	.22	2.2	.14	.8	.06	1.2	Q	Q	.02	.2
1950 TO 1974	4.6	.52	5.3	.33	1.6	.18	3.6	Q	Q	.01	.1
AFTER 1974	1.5	.14	1.9	.06	.3	.08	1.5	Q	Q	.01	.1
OWN/RENT											
OWN	5.7	0.63	6.7	0.38	1.9	0.23	4.6	Q	Q	0.02	0.2
RENT	2.8	.25	2.7	.14	.7	.09	1.8	Q	Q	.01	.1
1981 FAMILY INCOME											
LESS THAN $10,000	2.8	.23	2.4	.13	.7	.07	1.5	Q	Q	.02	.2
$10,000 TO $19,999	2.3	.23	2.4	.14	.7	.08	1.6	Q	Q	.01	.1
$20,000 TO $34,999	1.0	.12	1.2	.08	.4	.04	.8	Q	Q	Q	Q
$35,000 OR MORE	2.3	.30	3.4	.17	.8	.13	2.5	Q	Q	Q	Q
TOTAL BELOW 100 PERCENT OF POVERTY LINE	1.7	.14	1.4	.08	.5	.04	.9	Q	Q	.01	.1
TOTAL BELOW 125 PERCENT OF POVERTY LINE	2.3	.19	2.0	.11	.6	.06	1.2	Q	Q	.02	.2
AGE OF HOUSEHOLD HEAD											
UNDER 35 YEARS	2.8	.26	3.0	.15	.7	.11	2.2	Q	Q	.01	.1
35 TO 59 YEARS	3.5	.41	4.2	.26	1.3	.14	2.9	Q	Q	.01	.1
60 YEARS AND OVER	2.2	.21	2.2	.12	.6	.07	1.4	Q	Q	.02	.2
HOUSEHOLD MEMBERS											
ONE PERSON	1.6	.12	1.3	.07	.4	.04	.9	Q	Q	.01	Q
2 TO 4 PEOPLE	5.7	.60	6.5	.35	1.8	.22	4.5	Q	Q	.03	.2
5 OR MORE PEOPLE	1.2	.16	1.6	.10	.5	.05	1.0	Q	Q	.01	.1

See footnotes at end of table.

Total Consumption and Expenditures

Table 1. (Continued) Census Division: West South Central

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL MAJOR FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUEFIED PETROLEUM GAS	
		TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)
MAIN HEATING FUEL											
NATURAL GAS	6.2	.70	6.7	.50	2.5	.20	4.2	Q	Q	Q	Q
ELECTRICITY	1.3	.11	1.8	.02	.1	.09	1.7	Q	Q	Q	Q
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
LPG	.7	.05	.7	Q	Q	.02	.4	Q	Q	.04	.3
WOOD	.3	.02	.2	.01	Q	.01	.2	Q	Q	Q	Q
OTHER OR NONE	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
HOT WATER FUEL											
NATURAL GAS	6.3	0.71	6.9	0.50	2.5	0.21	4.4	Q	Q	Q	Q
ELECTRICITY	1.5	.12	1.9	.02	.1	.09	1.7	Q	Q	Q	Q
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER	.7	.05	.7	Q	Q	.02	.4	Q	Q	0.03	0.3
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE											
<2,000 CDD AND >7,000 HDD	-	-	-	-	-	-	-	-	-	-	-
<2,000 CDD AND 5,500 TO 7,000 HDD	-	-	-	-	-	-	-	-	-	-	-
<2,000 CDD AND 4,000 TO 5,499 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
<2,000 CDD AND <4,000 HDD	2.0	.24	2.0	.15	.5	.07	1.4	Q	Q	.01	.1
>2,000 CDD AND <4,000 HDD	6.5	.64	7.4	.37	2.1	.25	5.0	Q	Q	.02	.2

See footnotes at end of table.

Total Consumption and Expenditures

Table 1. (Continued)
Census Region: West

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL MAJOR FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUEFIED PETROLEUM GAS	
		TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)
TOTAL HOUSEHOLDS	16.5	1.38	12.0	0.89	4.3	0.42	7.1	0.03	0.3	0.04	0.4
AREA TYPE											
METROPOLITAN	14.4	1.20	10.3	.81	3.9	.36	6.0	.02	.2	.01	.1
CENTRAL CITY	7.3	.58	4.9	.40	2.0	.17	2.9	.01	.1	Q	Q
OUTSIDE CENTRAL CITY	7.1	.61	5.3	.40	2.0	.19	3.2	.01	.1	.01	.1
NON-METROPOLITAN	2.1	.18	1.8	.08	.4	.06	1.1	.01	.1	.03	.3
UTILITIES PAID BY HOUSEHOLD											
ALL PAID BY HOUSEHOLD	14.0	1.20	10.6	.77	3.8	.38	6.3	.03	.2	.03	.3
SOME, NONE, OTHER PAID BY HOUSEHOLD	2.5	.18	1.5	.12	.6	.04	.8	Q	Q	.01	.1
TYPE OF HOUSING STRUCTURE											
MOBILE HOME	.9	.07	.7	.03	.2	.02	.4	Q	Q	.01	.1
SINGLE FAMILY	11.2	1.05	9.1	.68	3.3	.31	5.3	.03	.2	.02	.2
2 OR MORE UNITS	4.5	.26	2.3	.18	.9	.08	1.4	Q	Q	Q	Q
NUMBER OF ROOMS											
1 TO 3	2.5	.12	1.1	.08	.4	.04	.7	Q	Q	Q	Q
4 TO 5	8.2	.62	5.4	.40	1.9	.19	3.2	.01	.1	.02	.2
6 OR MORE	5.9	.64	5.5	.41	2.0	.20	3.2	.02	.2	.01	.1
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)											
LESS THAN 999	6.9	.42	3.8	.26	1.3	.13	2.3	.01	.1	.02	.2
1,000 TO 1,999	7.1	.64	5.5	.42	2.0	.19	3.3	.01	.1	.01	.1
2,000 OR MORE	2.5	.32	2.7	.21	1.0	.09	1.5	.01	.1	.01	.1
YEAR HOUSE BUILT											
BEFORE 1950	4.3	.37	2.9	.25	1.3	.09	1.4	.02	.2	.01	.1
1950 TO 1974	8.4	.74	6.3	.50	2.5	.21	3.6	.01	.1	.02	.2
AFTER 1974	3.8	.27	2.8	.14	.6	.12	2.0	Q	Q	.01	.1
OWN/RENT											
OWN	9.9	0.93	8.3	0.59	2.8	0.29	5.0	0.02	0.2	0.02	0.2
RENT	6.6	.45	3.8	.30	1.5	.13	2.1	.01	.1	.01	.1
1981 FAMILY INCOME											
LESS THAN $10,000	4.7	.34	3.0	.22	1.1	.10	1.7	.01	.1	.01	.1
$10,000 TO $19,999	4.7	.36	3.2	.24	1.1	.11	1.8	.01	.1	.01	.1
$20,000 TO $34,999	2.6	.23	2.0	.15	.7	.08	1.2	Q	Q	Q	Q
$35,000 OR MORE	4.4	.44	3.9	.29	1.4	.14	2.4	.01	.1	.01	.1
TOTAL BELOW 100 PERCENT OF POVERTY LINE	1.9	.16	1.3	.11	.5	.05	.7	Q	Q	.01	Q
TOTAL BELOW 125 PERCENT OF POVERTY LINE	3.0	.24	2.1	.16	.8	.07	1.2	Q	Q	.01	.1
AGE OF HOUSEHOLD HEAD											
UNDER 35 YEARS	6.0	.45	3.9	.29	1.4	.14	2.3	.01	.1	.01	.1
35 TO 59 YEARS	6.1	.59	5.1	.39	1.9	.17	3.0	.01	.1	.02	.2
60 YEARS AND OVER	4.3	.34	3.0	.22	1.1	.10	1.8	.01	.1	.01	.1
HOUSEHOLD MEMBERS											
ONE PERSON	4.0	.25	2.1	.17	.8	.07	1.2	.01	.1	Q	Q
2 TO 4 PEOPLE	10.6	.92	8.1	.59	2.9	.29	4.8	.02	.2	.02	.2
5 OR MORE PEOPLE	1.9	.21	1.8	.13	.6	.06	1.1	Q	Q	.01	.1

See footnotes at end of table.

Total Consumption and Expenditures

Table 1. (Continued)
Census Region: West

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL MAJOR FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUEFIED PETROLEUM GAS	
		TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)
MAIN HEATING FUEL											
NATURAL GAS	11.1	1.05	8.1	.84	4.1	.21	4.0	Q	Q	Q	Q
ELECTRICITY	3.1	.19	2.2	.04	.2	.15	2.0	Q	Q	Q	Q
FUEL OIL OR KEROSENE	.4	.04	.4	Q	Q	.02	.2	.03	.2	Q	Q
LPG	.4	.03	.4	Q	Q	.01	.2	Q	Q	.02	.2
WOOD	.9	.05	.6	.01	.1	.03	.5	Q	Q	.01	.1
OTHER OR NONE	.5	.02	.4	Q	Q	.01	.3	Q	Q	Q	.1
HOT WATER FUEL											
NATURAL GAS	11.3	1.05	8.2	0.85	4.1	0.21	4.1	Q	Q	Q	Q
ELECTRICITY	4.2	.27	3.0	.04	.3	.19	2.5	0.03	0.2	Q	Q
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER	.8	.05	.8	Q	Q	.02	.4	Q	Q	0.03	0.3
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE											
<2,000 CDD AND >7,000 HDD	1.4	.17	1.2	.13	.6	.03	.5	Q	Q	.01	.1
<2,000 CDD AND 5,500 TO 7,000 HDD	1.5	.16	1.3	.09	.4	.05	.8	.01	.1	.01	.1
<2,000 CDD AND 4,000 TO 5,499 HDD	3.0	.23	2.0	.09	.5	.12	1.3	.02	.2	Q	Q
<2,000 CDD AND <4,000 HDD	9.2	.74	6.4	.56	2.7	.17	3.6	Q	Q	.01	.1
>2,000 CDD AND <4,000 HDD	1.3	.07	1.2	.02	.1	.04	1.0	Q	Q	Q	.1

See footnotes at end of table.

Total Consumption and Expenditures

Table 1. (Continued) Census Division: Mountain

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL MAJOR FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUEFIED PETROLEUM GAS	
		TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)
TOTAL HOUSEHOLDS	4.3	0.42	3.8	0.27	1.3	0.12	2.2	0.01	0.1	0.02	0.2
AREA TYPE											
METROPOLITAN	2.8	.27	2.5	.19	.9	.08	1.5	Q	Q	Q	Q
CENTRAL CITY	1.7	.16	1.4	.11	.6	.04	.9	Q	Q	Q	Q
OUTSIDE CENTRAL CITY	1.1	.11	1.0	.07	.4	.03	.7	Q	Q	Q	Q
NON-METROPOLITAN	1.5	.16	1.3	.08	.4	.04	.7	.01	.1	.02	.2
UTILITIES PAID BY HOUSEHOLD											
ALL PAID BY HOUSEHOLD	3.7	.37	3.3	.24	1.1	.11	1.9	.01	.1	.01	.1
SOME, NONE, OTHER PAID BY HOUSEHOLD	.6	.06	.5	.03	.2	.01	.3	Q	Q	.01	.1
TYPE OF HOUSING STRUCTURE											
MOBILE HOME	.3	.03	.3	.01	.1	.01	.2	Q	Q	.01	.1
SINGLE FAMILY	3.3	.34	3.0	.22	1.0	.10	1.8	.01	.1	.01	.1
2 OR MORE UNITS	.7	.05	.5	.04	.2	.02	.3	Q	Q	Q	Q
NUMBER OF ROOMS											
1 TO 3	.6	.04	.4	.03	.1	.01	.2	Q	Q	Q	Q
4 TO 5	2.2	.19	1.8	.12	.6	.06	1.1	Q	Q	.01	.1
6 OR MORE	1.5	.20	1.7	.13	.6	.05	.9	.01	.1	.01	.1
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)											
LESS THAN 999	1.7	.13	1.3	.08	.4	.04	.8	Q	Q	.01	.1
1,000 TO 1,999	1.8	.18	1.6	.12	.5	.05	1.0	Q	Q	.01	.1
2,000 OR MORE	.8	.11	.9	.07	.3	.03	.5	Q	Q	.01	.1
YEAR HOUSE BUILT											
BEFORE 1950	.9	.09	.7	.06	.3	.02	.3	.01	Q	Q	Q
1950 TO 1974	2.2	.24	2.0	.17	.8	.06	1.1	Q	Q	.01	.1
AFTER 1974	1.2	.09	1.1	.04	.2	.04	.8	Q	Q	.01	.1
OWN/RENT											
OWN	3.1	0.32	2.9	0.20	1.0	0.10	1.7	0.01	Q	0.02	0.1
RENT	1.2	.10	.9	.07	.3	.03	.5	Q	Q	.01	.1
1981 FAMILY INCOME											
LESS THAN $10,000	1.5	.12	1.1	.08	.4	.03	.6	Q	Q	.01	.1
$10,000 TO $19,999	1.0	.10	.9	.06	.3	.03	.5	Q	Q	.01	.1
$20,000 TO $34,999	.7	.07	.6	.05	.2	.02	.3	Q	Q	Q	Q
$35,000 OR MORE	1.2	.13	1.2	.08	.4	.04	.8	Q	Q	Q	Q
TOTAL BELOW 100 PERCENT OF POVERTY LINE	.5	.05	.4	.03	.1	.01	.2	Q	Q	Q	Q
TOTAL BELOW 125 PERCENT OF POVERTY LINE	.8	.08	.7	.05	.2	.02	.4	Q	Q	.01	.1
AGE OF HOUSEHOLD HEAD											
UNDER 35 YEARS	1.6	.15	1.4	.09	.4	.05	.9	Q	Q	.01	.1
35 TO 59 YEARS	1.4	.16	1.4	.10	.5	.04	.8	Q	Q	.01	.1
60 YEARS AND OVER	1.3	.12	1.1	.08	.4	.03	.6	Q	Q	Q	Q
HOUSEHOLD MEMBERS											
ONE PERSON	1.1	.08	.7	.06	.3	.02	.4	Q	Q	Q	Q
2 TO 4 PEOPLE	2.7	.28	2.5	.17	.8	.08	1.5	.01	0.1	.01	.1
5 OR MORE PEOPLE	.5	.07	.6	.04	.2	.02	.3	Q	Q	.01	.1

See footnotes at end of table.

Total Consumption and Expenditures

Table 1. (Continued) Census Division: Mountain

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL MAJOR FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUEFIED PETROLEUM GAS	
		TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)
MAIN HEATING FUEL											
NATURAL GAS	2.8	.32	2.4	.26	1.2	.06	1.2	Q	Q	Q	Q
ELECTRICITY	.9	.05	.7	.01	Q	.04	.7	Q	Q	Q	Q
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
LPG	.2	.02	.3	Q	Q	.01	.1	Q	Q	.02	.1
WOOD	.3	.02	.2	Q	Q	.01	.1	Q	Q	.01	.1
OTHER OR NONE	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
HOT WATER FUEL											
NATURAL GAS	2.7	0.32	2.4	0.26	1.2	0.06	1.1	Q	Q	Q	Q
ELECTRICITY	1.2	.08	1.0	.01	.1	.05	.9	0.01	0.1	Q	Q
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER	.4	.03	.4	Q	Q	.01	.2	Q	Q	0.02	0.2
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE											
<2,000 CDD AND >7,000 HDD	1.2	.16	1.1	.12	.5	.03	.5	Q	Q	.01	.1
<2,000 CDD AND 5,500 TO 7,000 HDD	1.3	.14	1.1	.08	.4	.04	.6	.01	.1	.01	.1
<2,000 CDD AND 4,000 TO 5,499 HDD	.3	.03	.3	.02	.1	.01	.2	Q	Q	Q	Q
<2,000 CDD AND <4,000 HDD	.5	.04	.4	.03	.1	.01	.3	Q	Q	Q	Q
>2,000 CDD AND <4,000 HDD	1.0	.06	.9	.02	.1	.04	.7	Q	Q	Q	Q

See footnotes at end of table.

Total Consumption and Expenditures

Table 1. (Continued) Census Division: Pacific

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL MAJOR FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUEFIED PETROLEUM GAS	
		TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)
TOTAL HOUSEHOLDS	12.2	0.96	8.2	0.62	3.0	0.30	4.9	0.02	0.2	0.01	0.2
AREA TYPE											
METROPOLITAN	11.6	.93	7.8	.62	3.0	.28	4.5	.02	.2	.01	.1
CENTRAL CITY	5.6	.43	3.5	.29	1.4	.12	2.0	.01	.1	Q	Q
OUTSIDE CENTRAL CITY	6.0	.50	4.3	.33	1.6	.15	2.5	.01	.1	.01	.1
NON-METROPOLITAN	.6	.03	.4	Q	Q	.02	.4	Q	Q	Q	.1
UTILITIES PAID BY HOUSEHOLD											
ALL PAID BY HOUSEHOLD	10.3	.84	7.3	.53	2.6	.27	4.3	.02	.2	.01	.2
SOME, NONE, OTHER PAID BY HOUSEHOLD	1.8	.12	.9	.09	.4	.03	.5	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE											
MOBILE HOME	.5	.04	.4	.02	.1	.01	.3	Q	Q	Q	Q
SINGLE FAMILY	7.9	.71	6.1	.46	2.3	.22	3.5	.02	.2	.01	.1
2 OR MORE UNITS	3.8	.21	1.8	.14	.7	.07	1.1	Q	Q	Q	Q
NUMBER OF ROOMS											
1 TO 3	1.8	.08	.7	.05	.2	.03	.5	Q	Q	Q	Q
4 TO 5	6.0	.43	3.7	.29	1.4	.13	2.1	.01	.1	.01	.1
6 OR MORE	4.3	.44	3.8	.29	1.4	.14	2.3	.01	.1	Q	Q
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)											
LESS THAN 999	5.2	.29	2.6	.18	.9	.09	1.5	.01	.1	.01	.1
1,000 TO 1,999	5.3	.45	3.8	.30	1.5	.14	2.3	.01	.1	Q	Q
2,000 OR MORE	1.7	.21	1.8	.13	.7	.06	1.0	.01	.1	Q	Q
YEAR HOUSE BUILT											
BEFORE 1950	3.4	.28	2.2	.19	1.0	.07	1.1	.01	.1	Q	Q
1950 TO 1974	6.2	.50	4.3	.34	1.7	.15	2.5	.01	.1	Q	Q
AFTER 1974	2.6	.18	1.7	.09	.4	.08	1.2	Q	Q	.01	.1
OWN/RENT											
OWN	6.8	0.61	5.4	0.39	1.9	0.20	3.3	0.02	0.2	0.01	0.1
RENT	5.4	.34	2.8	.24	1.1	.10	1.6	Q	Q	.01	.1
1981 FAMILY INCOME											
LESS THAN $10,000	3.2	.22	1.8	.14	.7	.07	1.1	Q	Q	Q	.1
$10,000 TO $19,999	3.7	.26	2.3	.17	.8	.08	1.3	.01	.1	.01	.1
$20,000 TO $34,999	2.0	.16	1.4	.10	.5	.06	.9	Q	Q	Q	Q
$35,000 OR MORE	3.3	.31	2.7	.21	1.0	.09	1.6	.01	.1	Q	Q
TOTAL BELOW 100 PERCENT OF POVERTY LINE	1.5	.12	.9	.08	.4	.03	.5	Q	Q	Q	Q
TOTAL BELOW 125 PERCENT OF POVERTY LINE	2.2	.17	1.4	.11	.5	.05	.8	Q	Q	.01	.1
AGE OF HOUSEHOLD HEAD											
UNDER 35 YEARS	4.4	.30	2.6	.20	1.0	.10	1.5	Q	Q	.01	.1
35 TO 59 YEARS	4.7	.43	3.8	.28	1.4	.13	2.2	.01	.1	.01	.1
60 YEARS AND OVER	3.0	.22	1.9	.14	.7	.07	1.1	.01	.1	Q	Q
HOUSEHOLD MEMBERS											
ONE PERSON	2.9	.17	1.4	.12	.5	.05	.8	Q	Q	Q	Q
2 TO 4 PEOPLE	7.9	.65	5.6	.42	2.0	.20	3.3	.01	.1	.01	.1
5 OR MORE PEOPLE	1.3	.14	1.2	.09	.4	.04	.7	Q	Q	Q	Q

See footnotes at end of table.

Total Consumption and Expenditures

Table 1. (Continued) Census Division: Pacific

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL MAJOR FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUEFIED PETROLEUM GAS	
		TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)	TOTAL AMOUNT CONSUMED (QUADRILLION BTU)	TOTAL EXPENDITURES (BILLION DOLLARS)
MAIN HEATING FUEL											
NATURAL GAS	8.4	.72	5.6	.58	2.8	.15	2.8	Q	Q	Q	Q
ELECTRICITY	2.3	.14	1.5	.03	.1	.11	1.3	Q	Q	Q	Q
FUEL OIL OR KEROSENE	.3	.03	.3	Q	Q	.01	.1	.02	.2	Q	Q
LPG	.2	.01	.1	Q	Q	Q	.1	Q	Q	.01	.1
WOOD	.6	.03	.4	.01	.1	.02	.3	Q	Q	Q	Q
OTHER OR NONE	.4	.02	.3	Q	Q	.01	.2	Q	Q	Q	.1
HOT WATER FUEL											
NATURAL GAS	8.6	0.74	5.8	0.59	2.8	0.15	3.0	Q	Q	Q	Q
ELECTRICITY	3.1	.19	2.0	.03	.2	.14	1.6	0.02	0.2	Q	Q
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER	.4	.02	.4	Q	Q	.01	.2	Q	Q	0.01	0.1
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE											
<2,000 CDD AND >7,000 HDD	.2	.02	.1	.01	Q	Q	.1	Q	Q	Q	Q
<2,000 CDD AND 5,500 TO 7,000 HDD	.3	.02	.2	Q	Q	.02	.2	Q	Q	Q	Q
<2,000 CDD AND 4,000 TO 5,499 HDD	2.7	.20	1.7	.06	.4	.11	1.1	.02	.2	Q	Q
<2,000 CDD AND <4,000 HDD	8.7	.71	5.9	.54	2.6	.16	3.3	Q	Q	.01	.1
>2,000 CDD AND <4,000 HDD	.3	.01	.3	Q	Q	.01	.2	Q	Q	Q	.1

"-" = DATA NOT APPLICABLE.
"Q" = DATA WITHHELD BECAUSE OF A LARGE VARIANCE.
NOTE: BECAUSE OF ROUNDING, DATA MAY NOT SUM TO TOTALS. PERCENTAGES ARE CALCULATED ON UNROUNDED NUMBERS. SEE GLOSSARY FOR DEFINITION OF TERMS USED IN THIS REPORT.
SOURCE: ENERGY INFORMATION ADMINISTRATION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY END USE DIVISION, FORM EIA-457, THE 1982 RESIDENTIAL ENERGY CONSUMPTION SURVEY.

Table 2. U.S. Average Residential Energy Consumption of Major Fuels Used in the Household, by Main Heating Fuel Type—April 1982 Through March 1983, United States (Million Btu per Household)

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)
TOTAL HOUSEHOLDS	83.8	103	47.5	118	13.4	62	12.0	125	3.8	86
AREA TYPE										
METROPOLITAN	63.2	106	38.8	118	10.5	62	9.7	129	1.5	76
CENTRAL CITY	29.4	107	19.9	114	4.5	65	4.1	130	.3	46
OUTSIDE CENTRAL CITY	33.8	106	18.9	121	5.9	59	5.6	129	1.3	84
NON-METROPOLITAN	20.6	92	8.7	121	2.9	62	2.3	107	2.2	92
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD	68.9	105	38.6	125	11.5	61	8.7	126	3.4	86
SOME, NONE, OTHER PAID BY HOUSEHOLD	14.8	92	8.9	87	1.9	69	3.4	122	.4	85
TYPE OF HOUSING STRUCTURE										
MOBILE HOME	3.7	72	1.1	91	.9	50	.6	80	.9	73
SINGLE FAMILY	57.7	112	33.2	132	7.5	70	7.6	130	2.8	91
2 OR MORE UNITS	22.4	84	13.2	87	4.9	52	3.8	122	Q	Q
NUMBER OF ROOMS										
1 TO 3	10.8	67	5.5	68	2.8	46	1.7	109	.3	48
4 TO 5	36.6	90	21.0	101	5.9	57	4.9	114	1.9	76
6 OR MORE	36.4	127	21.0	149	4.6	77	5.4	140	1.6	105
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 999	30.2	76	16.7	84	5.7	49	4.1	105	1.7	66
1,000 TO 1,999	35.6	104	19.9	121	5.8	65	5.0	124	1.5	90
2,000 OR MORE	17.9	147	10.8	167	1.9	90	3.0	156	.5	139
YEAR HOUSE BUILT										
BEFORE 1950	30.6	114	18.4	122	1.1	59	6.8	134	1.4	89
1950 TO 1974	40.2	101	24.5	117	6.6	62	4.4	114	1.7	83
AFTER 1974	12.9	83	4.7	111	5.7	61	.8	110	.7	87
OWN/RENT										
OWN	53.9	113	29.8	132	7.8	69	8.1	130	2.7	91
RENT	29.8	85	17.7	94	5.6	52	4.0	114	1.1	73
1981 FAMILY INCOME										
LESS THAN $10,000	26.3	89	14.5	100	3.9	53	4.1	113	1.7	78
$10,000 TO $19,999	24.8	98	13.6	114	3.9	55	3.8	123	1.0	85
$20,000 TO $34,999	12.4	108	7.3	123	2.1	65	1.5	131	.5	95
$35,000 OR MORE	20.2	125	12.2	143	3.6	78	2.6	143	.5	106
TOTAL BELOW 100 PERCENT OF POVERTY LINE	12.1	92	6.9	105	1.4	59	1.8	118	.8	73
TOTAL BELOW 125 PERCENT OF POVERTY LINE	17.4	92	9.7	105	2.1	56	2.6	118	1.2	77

See footnotes at end of table.

Average Fuel Consumption

Table 2. (Continued)
United States

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSE-HOLDS (MIL-LIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSE-HOLDS (MIL-LIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSE-HOLDS (MIL-LIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSE-HOLDS (MIL-LIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSE-HOLDS (MIL-LIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS.....	26.2	90	14.6	104	5.3	58	2.9	111	1.0	81
35 TO 59 YEARS.....	34.0	115	19.8	132	4.7	74	4.7	133	1.5	93
60 YEARS AND OVER.....	23.6	101	13.0	114	3.4	52	4.4	126	1.3	81
HOUSEHOLD MEMBERS										
ONE PERSON.....	19.3	80	11.5	85	3.3	48	2.9	113	0.8	73
2 TO 4 PEOPLE.....	54.1	106	30.3	124	8.7	63	7.7	126	2.5	84
5 OR MORE PEOPLE.....	10.4	130	5.7	154	1.4	89	1.5	144	.5	123
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE										
<2,000 CDD AND >7,000 HDD.....	8.5	112	4.5	130	.6	74	1.7	127	.5	109
<2,000 CDD AND 5,500 TO 7,000 HDD.....	21.0	123	13.5	135	2.4	64	3.4	139	.5	114
<2,000 CDD AND 4,000 TO 5,499 HDD.....	22.1	109	10.7	127	3.1	62	5.7	125	.5	107
<2,000 CDD AND <4,000 HDD.....	19.6	85	12.5	96	3.2	65	1.1	90	1.0	81
>2,000 CDD AND <4,000 HDD.....	12.6	80	6.3	103	4.1	56	.3	67	1.3	61

See footnotes at end of table.

Average Fuel Consumption

Table 2. (Continued) Census Region: Northeast

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)
TOTAL HOUSEHOLDS	18.0	122	7.5	134	1.3	51	7.6	135	0.2	78
AREA TYPE										
METROPOLITAN	15.5	125	6.8	135	1.2	52	6.7	136	Q	Q
CENTRAL CITY	6.4	130	3.1	128	.2	59	3.0	138	Q	Q
OUTSIDE CENTRAL CITY	9.1	122	3.7	140	.9	51	3.7	134	Q	Q
NON-METROPOLITAN	2.4	99	.7	131	Q	Q	.8	124	Q	Q
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD	12.7	127	5.4	147	1.1	51	4.8	141	.2	81
SOME, NONE, OTHER PAID BY HOUSEHOLD	5.3	109	2.1	100	.3	51	2.8	123	Q	Q
TYPE OF HOUSING STRUCTURE										
MOBILE HOME	.4	93	Q	Q	Q	Q	.2	103	Q	Q
SINGLE FAMILY	10.6	134	4.5	159	.7	60	4.0	145	Q	Q
2 OR MORE UNITS	7.0	104	2.9	98	.6	41	3.3	124	Q	Q
NUMBER OF ROOMS										
1 TO 3	2.8	89	1.0	73	.4	44	1.3	116	Q	Q
4 TO 5	6.3	106	2.5	110	.5	45	2.8	126	Q	Q
6 OR MORE	8.8	143	4.1	163	.4	67	3.4	149	Q	Q
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 999	6.0	93	2.2	89	.6	41	2.7	115	Q	Q
1,000 TO 1,999	7.1	124	3.2	137	.5	56	2.9	135	Q	Q
2,000 OR MORE	4.8	153	2.1	177	.2	69	1.9	162	Q	Q
YEAR HOUSE BUILT										
BEFORE 1950	9.4	126	3.9	127	0.2	51	4.5	140	Q	Q
1950 TO 1974	7.1	120	3.2	140	.7	50	2.5	128	Q	Q
AFTER 1974	1.5	102	.4	162	.5	52	.5	120	Q	Q
OWN/RENT										
OWN	11.3	134	4.9	150	.5	62	4.7	144	Q	Q
RENT	6.7	100	2.7	104	.8	44	2.9	120	Q	Q
1981 FAMILY INCOME										
LESS THAN $10,000	5.3	106	2.0	111	.5	48	2.5	122	Q	Q
$10,000 TO $19,999	5.4	116	2.1	126	.4	50	2.4	132	Q	Q
$20,000 TO $34,999	2.6	128	1.3	139	Q	Q	1.0	140	Q	Q
$35,000 OR MORE	4.6	144	2.2	160	.3	60	1.7	154	Q	Q
TOTAL BELOW 100 PERCENT OF POVERTY LINE	2.3	111	.9	123	Q	Q	1.0	121	Q	Q
TOTAL BELOW 125 PERCENT OF POVERTY LINE	3.6	111	1.4	121	.2	51	1.6	125	Q	Q
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS	4.8	105	1.9	122	.6	51	1.8	119	Q	Q
35 TO 59 YEARS	7.5	132	3.4	146	.3	58	3.0	142	Q	Q
60 YEARS AND OVER	5.6	122	2.2	127	.4	46	2.8	136	Q	Q

See footnotes at end of table.

Average Fuel Consumption

Table 2. (Continued)
Census Region: Northeast

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSE-HOLDS (MIL-LIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSE-HOLDS (MIL-LIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSE-HOLDS (MIL-LIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSE-HOLDS (MIL-LIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSE-HOLDS (MIL-LIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)
HOUSEHOLD MEMBERS										
ONE PERSON.....	4.4	96	1.8	93	0.5	42	1.9	118	Q	Q
2 TO 4 PEOPLE.....	11.2	127	4.9	143	.7	56	4.6	137	Q	Q
5 OR MORE PEOPLE.....	2.3	143	.9	166	Q	Q	1.0	156	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE										
<2,000 CDD AND >7,000 HDD.....	1.6	90	Q	Q	Q	Q	.8	120	Q	Q
<2,000 CDD AND 5,500 TO 7,000 HDD.....	8.0	121	3.7	133	.8	49	2.8	142	Q	Q
<2,000 CDD AND 4,000 TO 5,499 HDD.....	8.3	128	3.7	135	.4	60	4.0	132	Q	Q
<2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Average Fuel Consumption

Table 2. (Continued) Census Division: New England

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)
TOTAL HOUSEHOLDS	4.2	120	1.2	130	0.3	47	2.1	140	Q	Q
AREA TYPE										
METROPOLITAN	3.3	128	1.1	131	.3	47	1.7	146	Q	Q
CENTRAL CITY	1.3	120	.6	110	Q	Q	.5	144	Q	Q
OUTSIDE CENTRAL CITY	2.0	133	.5	154	.2	44	1.1	147	Q	Q
NON-METROPOLITAN	.9	92	Q	Q	Q	Q	.5	120	Q	Q
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD	3.2	127	.9	139	Q	Q	1.6	147	Q	Q
SOME, NONE, OTHER PAID BY HOUSEHOLD	1.0	97	.3	97	.2	51	.5	119	Q	Q
TYPE OF HOUSING STRUCTURE										
MOBILE HOME	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
SINGLE FAMILY	2.3	137	.5	165	Q	Q	1.3	156	Q	Q
2 OR MORE UNITS	1.8	99	.7	103	.3	46	.8	118	Q	Q
NUMBER OF ROOMS										
1 TO 3	.5	63	.2	67	.2	43	Q	Q	Q	Q
4 TO 5	1.7	103	.5	109	Q	Q	.9	121	Q	Q
6 OR MORE	2.0	148	.5	170	Q	Q	1.1	160	Q	Q
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 999	1.2	80	.4	79	.2	42	.5	110	Q	Q
1,000 TO 1,999	1.9	120	.5	132	Q	Q	1.0	133	Q	Q
2,000 OR MORE	1.1	165	.3	191	Q	Q	.6	178	Q	Q
YEAR HOUSE BUILT										
BEFORE 1950	2.4	130	0.8	131	Q	Q	1.3	146	Q	Q
1950 TO 1974	1.5	110	.4	137	0.2	41	.7	128	Q	Q
AFTER 1974	.3	96	Q	Q	Q	Q	Q	Q	Q	Q
OWN/RENT										
OWN	2.7	134	.7	155	Q	Q	1.5	147	Q	Q
RENT	1.5	94	.5	93	.3	46	.6	125	Q	Q
1981 FAMILY INCOME										
LESS THAN $10,000	1.0	105	.3	97	Q	Q	.5	123	Q	Q
$10,000 TO $19,999	1.2	113	.3	110	Q	Q	.6	147	Q	Q
$20,000 TO $34,999	.6	110	.2	105	Q	Q	.3	145	Q	Q
$35,000 OR MORE	1.4	142	.5	173	Q	Q	.7	146	Q	Q
TOTAL BELOW 100 PERCENT OF POVERTY LINE	.3	93	Q	Q	Q	Q	Q	Q	Q	Q
TOTAL BELOW 125 PERCENT OF POVERTY LINE	.6	110	.2	122	Q	Q	.2	131	Q	Q
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS	1.2	97	.3	97	Q	Q	.6	120	Q	Q
35 TO 59 YEARS	1.7	131	.5	147	Q	Q	.8	153	Q	Q
60 YEARS AND OVER	1.3	128	.4	134	Q	Q	.7	142	Q	Q

See footnotes at end of table.

Average Fuel Consumption

Table 2. (Continued) Census Division: New England

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)
HOUSEHOLD MEMBERS										
ONE PERSON.....	0.8	95	0.3	87	Q	Q	0.4	120	Q	Q
2 TO 4 PEOPLE.....	2.9	125	.8	141	0.2	46	1.6	141	Q	Q
5 OR MORE PEOPLE.....	.5	135	Q	Q	Q	Q	.2	177	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE										
<2,000 CDD AND >7,000 HDD.....	1.1	100	Q	Q	Q	Q	.6	121	Q	Q
<2,000 CDD AND 5,500 TO 7,000 HDD.....	3.1	127	1.1	127	.3	47	1.6	147	Q	Q
<2,000 CDD AND 4,000 TO 5,499 HDD.....	-	-	-	-	-	-	-	-	-	-
<2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Average Fuel Consumption

Table 2. (Continued) Census Division: Middle Atlantic

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)
TOTAL HOUSEHOLDS	13.7	122	6.3	135	1.0	52	5.4	132	0.2	72
AREA TYPE										
METROPOLITAN	12.2	124	5.7	135	.9	54	5.1	133	Q	Q
CENTRAL CITY	5.1	132	2.5	132	Q	Q	2.5	137	Q	Q
OUTSIDE CENTRAL CITY	7.1	119	3.2	138	.8	52	2.6	129	Q	Q
NON-METROPOLITAN	1.5	104	.7	132	Q	Q	.4	129	Q	Q
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD	9.4	127	4.5	149	.9	52	3.1	139	Q	Q
SOME, NONE, OTHER PAID BY HOUSEHOLD	4.3	112	1.9	101	Q	Q	2.3	124	Q	Q
TYPE OF HOUSING STRUCTURE										
MOBILE HOME	.3	89	Q	Q	Q	Q	Q	Q	Q	Q
SINGLE FAMILY	8.3	134	4.0	158	.7	60	2.8	140	Q	Q
2 OR MORE UNITS	5.2	106	2.2	97	.3	37	2.5	126	Q	Q
NUMBER OF ROOMS										
1 TO 3	2.3	94	.8	74	.3	45	1.2	118	Q	Q
4 TO 5	4.6	108	2.0	111	.4	44	1.9	128	Q	Q
6 OR MORE	6.8	141	3.6	162	.3	67	2.3	144	Q	Q
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 999	4.8	97	1.8	91	.4	40	2.3	116	Q	Q
1,000 TO 1,999	5.2	126	2.7	138	.4	54	1.9	137	Q	Q
2,000 OR MORE	3.7	150	1.8	174	.2	70	1.3	154	Q	Q
YEAR HOUSE BUILT										
BEFORE 1950	7.0	125	3.1	126	Q	Q	3.2	138	Q	Q
1950 TO 1974	5.6	122	2.9	140	0.5	53	1.8	128	Q	Q
AFTER 1974	1.2	103	.3	180	.4	52	.4	109	Q	Q
OWN/RENT										
OWN	8.5	134	4.2	150	.5	63	3.2	142	Q	Q
RENT	5.2	102	2.2	107	.6	43	2.2	118	Q	Q
1981 FAMILY INCOME										
LESS THAN $10,000	4.4	106	1.7	113	.4	48	2.0	122	Q	Q
$10,000 TO $19,999	4.2	116	1.8	128	.3	52	1.7	127	Q	Q
$20,000 TO $34,999	2.0	133	1.1	144	Q	Q	.7	138	Q	Q
$35,000 OR MORE	3.2	145	1.8	156	.3	60	1.0	161	Q	Q
TOTAL BELOW 100 PERCENT OF POVERTY LINE	2.0	114	.9	124	Q	Q	.9	122	Q	Q
TOTAL BELOW 125 PERCENT OF POVERTY LINE	3.0	112	1.3	120	.2	51	1.3	124	Q	Q
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS	3.5	108	1.6	127	.5	51	1.2	119	Q	Q
35 TO 59 YEARS	5.8	132	2.9	146	.2	60	2.2	138	Q	Q
60 YEARS AND OVER	4.4	120	1.8	125	.3	48	2.1	134	Q	Q

See footnotes at end of table.

Average Fuel Consumption

Table 2. (Continued) Census Division: Middle Atlantic

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)
HOUSEHOLD MEMBERS										
ONE PERSON.....	3.6	97	1.5	95	0.4	40	1.6	118	Q	Q
2 TO 4 PEOPLE.....	8.3	128	4.1	144	.6	59	3.0	135	Q	Q
5 OR MORE PEOPLE.....	1.8	145	.7	166	Q	Q	.8	151	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE										
<2,000 CDD AND >7,000 HDD.....	.5	71	Q	Q	Q	Q	.2	120	Q	Q
<2,000 CDD AND 5,500 TO 7,000 HDD.....	4.9	117	2.7	135	.5	50	1.2	136	Q	Q
<2,000 CDD AND 4,000 TO 5,499 HDD.....	8.3	128	3.7	135	.4	60	4.0	132	Q	Q
<2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Average Fuel Consumption

Table 2. (Continued) Census Region: North Central

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)
TOTAL HOUSEHOLDS	21.3	122	15.5	133	2.1	73	1.6	128	1.0	121
AREA TYPE										
METROPOLITAN	14.7	126	11.7	134	1.4	71	1.1	133	.2	142
CENTRAL CITY	7.2	129	6.0	136	.8	79	.3	137	Q	Q
OUTSIDE CENTRAL CITY	7.6	124	5.6	132	.7	61	.8	132	.2	144
NON-METROPOLITAN	6.6	112	3.8	130	.7	79	.5	116	.8	116
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD	17.5	128	12.4	144	1.7	73	1.3	126	.9	121
SOME, NONE, OTHER PAID BY HOUSEHOLD	3.8	94	3.1	92	.4	75	.3	137	Q	Q
TYPE OF HOUSING STRUCTURE										
MOBILE HOME	.7	88	.2	107	Q	Q	Q	Q	.2	81
SINGLE FAMILY	15.0	134	10.7	148	1.2	86	1.2	132	.8	131
2 OR MORE UNITS	5.6	95	4.6	100	.8	54	.3	118	Q	Q
NUMBER OF ROOMS										
1 TO 3	2.4	74	1.7	79	.4	56	.2	97	Q	Q
4 TO 5	9.6	109	7.0	117	.8	69	.8	123	.4	103
6 OR MORE	9.3	147	6.8	163	.8	87	.6	145	.5	137
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 999	6.8	89	5.2	96	.9	58	.3	105	.2	85
1,000 TO 1,999	8.1	122	5.7	134	.7	78	.8	122	.4	115
2,000 OR MORE	6.3	157	4.6	173	.5	95	.5	156	.3	158
YEAR HOUSE BUILT										
BEFORE 1950	9.3	134	7.4	140	Q	Q	0.9	143	0.4	131
1950 TO 1974	9.2	116	6.8	128	1.2	72	.4	110	.4	109
AFTER 1974	2.9	100	1.3	121	.8	75	.2	99	Q	Q
OWN/RENT										
OWN	14.3	132	9.9	147	1.2	85	1.3	132	.9	122
RENT	7.0	101	5.6	108	.9	58	.3	112	Q	Q
1981 FAMILY INCOME										
LESS THAN $10,000	6.8	109	5.1	116	.5	65	.5	128	.4	110
$10,000 TO $19,999	6.7	114	4.7	129	.7	65	.6	119	.2	94
$20,000 TO $34,999	2.9	127	2.0	140	.4	83	.2	123	Q	Q
$35,000 OR MORE	4.9	147	3.7	159	.4	88	.3	155	.3	138
TOTAL BELOW 100 PERCENT OF POVERTY LINE	2.8	115	2.3	119	Q	Q	.2	150	Q	Q
TOTAL BELOW 125 PERCENT OF POVERTY LINE	4.0	114	3.1	121	.2	63	.3	138	.2	108
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS	6.5	104	4.7	117	.8	60	.3	112	.2	112
35 TO 59 YEARS	8.8	135	6.5	146	.8	94	.6	143	.5	126
60 YEARS AND OVER	6.0	122	4.3	130	.5	65	.7	124	.3	119

See footnotes at end of table.

Average Fuel Consumption

Table 2. (Continued) Census Region: North Central

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)
HOUSEHOLD MEMBERS										
ONE PERSON.....	4.7	97	3.7	101	0.4	51	0.3	124	0.2	102
2 TO 4 PEOPLE.....	13.6	124	9.7	138	1.4	72	1.1	129	.6	113
5 OR MORE PEOPLE.....	3.0	149	2.1	170	.3	105	Q	Q	.2	157
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE										
<2,000 CDD AND >7,000 HDD.....	5.5	115	3.3	125	.3	91	.9	130	.3	119
<2,000 CDD AND 5,500 TO 7,000 HDD.....	11.5	127	9.0	137	1.3	71	.5	128	.3	130
<2,000 CDD AND 4,000 TO 5,499 HDD.....	4.3	118	3.1	131	.4	66	.2	119	.3	114
<2,000 CDD AND <4,000 HDD.....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
>2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Average Fuel Consumption

Table 2. (Continued) Census Division: East North Central

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)
TOTAL HOUSEHOLDS	15.0	121	10.8	133	1.6	73	1.3	132	0.5	116
AREA TYPE										
METROPOLITAN	11.4	126	8.9	135	1.2	70	1.0	133	Q	Q
CENTRAL CITY	5.4	131	4.4	139	.7	79	.3	135	Q	Q
OUTSIDE CENTRAL CITY	6.0	122	4.5	131	.5	56	.7	132	Q	Q
NON-METROPOLITAN	3.6	104	1.9	122	.5	81	.3	130	.4	107
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD	12.1	128	8.4	145	1.3	73	1.0	132	.5	116
SOME, NONE, OTHER PAID BY HOUSEHOLD	2.9	91	2.3	89	.3	74	.3	132	Q	Q
TYPE OF HOUSING STRUCTURE										
MOBILE HOME	.4	82	Q	Q	Q	Q	Q	Q	Q	Q
SINGLE FAMILY	10.1	134	7.1	149	.9	87	1.0	138	.3	129
2 OR MORE UNITS	4.5	95	3.6	101	.6	54	.3	113	Q	Q
NUMBER OF ROOMS										
1 TO 3	1.8	72	1.2	78	.4	55	Q	Q	Q	Q
4 TO 5	6.9	109	5.0	116	.6	72	.6	122	.3	104
6 OR MORE	6.3	148	4.6	165	.6	86	.5	152	.2	132
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 999	5.0	89	3.8	96	.7	58	.2	109	.2	84
1,000 TO 1,999	5.6	122	3.9	133	.5	79	.7	122	.2	126
2,000 OR MORE	4.3	158	3.1	177	.4	94	.4	159	Q	Q
YEAR HOUSE BUILT										
BEFORE 1950	6.9	133	5.5	139	Q	Q	0.8	148	Q	Q
1950 TO 1974	6.2	114	4.4	129	1.0	71	.3	112	0.2	96
AFTER 1974	1.9	97	.9	112	.5	76	.2	99	Q	Q
OWN/RENT										
OWN	9.6	132	6.4	149	.9	85	1.0	137	.4	116
RENT	5.4	102	4.4	109	.7	57	.2	111	Q	Q
1981 FAMILY INCOME										
LESS THAN $10,000	5.1	110	3.9	115	.4	66	.4	135	.2	114
$10,000 TO $19,999	4.8	113	3.3	128	.6	62	.4	122	Q	Q
$20,000 TO $34,999	1.8	125	1.2	140	.3	90	.2	120	Q	Q
$35,000 OR MORE	3.2	148	2.4	163	.3	85	.2	153	Q	Q
TOTAL BELOW 100 PERCENT OF POVERTY LINE	2.1	119	1.8	122	Q	Q	.2	165	Q	Q
TOTAL BELOW 125 PERCENT OF POVERTY LINE	3.0	117	2.3	121	Q	Q	.2	150	Q	Q
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS	4.6	102	3.2	117	.6	57	.2	108	Q	Q
35 TO 59 YEARS	6.0	136	4.4	147	.6	95	.5	151	.2	114
60 YEARS AND OVER	4.4	121	3.2	129	.4	65	.6	125	Q	Q

See footnotes at end of table.

Average Fuel Consumption

Table 2. (Continued)
Census Division: East North Central

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSE-HOLDS (MIL-LIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSE-HOLDS (MIL-LIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSE-HOLDS (MIL-LIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSE-HOLDS (MIL-LIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSE-HOLDS (MIL-LIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)
HOUSEHOLD MEMBERS										
ONE PERSON.....	3.3	98	2.6	102	0.3	49	0.2	131	Q	Q
2 TO 4 PEOPLE.....	9.4	122	6.6	136	1.1	72	.9	133	0.3	103
5 OR MORE PEOPLE.....	2.2	150	1.6	169	.2	109	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE										
<2,000 CDD AND >7,000 HDD.....	3.4	105	1.7	117	.3	87	.7	134	.2	107
<2,000 CDD AND 5,500 TO 7,000 HDD.....	10.2	126	7.9	137	1.3	71	.5	128	.2	122
<2,000 CDD AND 4,000 TO 5,499 HDD.....	1.5	123	1.2	127	Q	Q	Q	Q	Q	Q
<2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Average Fuel Consumption

Table 2. (Continued) Census Division: West North Central

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)
TOTAL HOUSEHOLDS	6.3	124	4.7	134	0.5	75	0.3	113	0.5	126
AREA TYPE										
METROPOLITAN	3.3	127	2.8	131	.3	74	Q	Q	Q	Q
CENTRAL CITY	1.7	125	1.6	127	Q	Q	Q	Q	Q	Q
OUTSIDE CENTRAL CITY	1.6	129	1.2	137	.2	75	Q	Q	Q	Q
NON-METROPOLITAN	3.0	121	1.9	138	.2	76	.2	91	.4	124
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD	5.5	127	3.9	141	.4	74	.3	107	.5	126
SOME, NONE, OTHER PAID BY HOUSEHOLD	.8	101	.8	99	Q	Q	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE										
MOBILE HOME	.3	99	Q	Q	Q	Q	Q	Q	Q	Q
SINGLE FAMILY	4.9	132	3.6	145	.3	83	.2	111	.4	132
2 OR MORE UNITS	1.1	93	1.0	96	Q	Q	Q	Q	Q	Q
NUMBER OF ROOMS										
1 TO 3	.7	78	.5	81	Q	Q	Q	Q	Q	Q
4 TO 5	2.7	111	2.0	120	.2	64	.2	127	.2	101
6 OR MORE	3.0	146	2.2	160	.2	88	Q	Q	.3	140
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 999	1.8	92	1.4	98	.2	59	Q	Q	Q	Q
1,000 TO 1,999	2.5	123	1.8	136	.2	75	Q	Q	.2	107
2,000 OR MORE	2.0	155	1.5	165	Q	Q	Q	Q	.2	164
YEAR HOUSE BUILT										
BEFORE 1950	2.3	137	1.8	143	Q	Q	0.2	118	0.2	133
1950 TO 1974	3.0	120	2.4	127	Q	Q	.2	107	.2	125
AFTER 1974	1.0	105	.5	137	0.3	73	Q	Q	Q	Q
OWN/RENT										
OWN	4.8	132	3.5	144	.3	84	.2	112	.4	127
RENT	1.5	99	1.2	105	.2	62	Q	Q	Q	Q
1981 FAMILY INCOME										
LESS THAN $10,000	1.7	108	1.2	117	Q	Q	Q	Q	.2	105
$10,000 TO $19,999	1.8	115	1.3	129	Q	Q	Q	Q	Q	Q
$20,000 TO $34,999	1.1	131	.8	139	Q	Q	Q	Q	Q	Q
$35,000 OR MORE	1.7	145	1.3	151	Q	Q	Q	Q	Q	Q
TOTAL BELOW 100 PERCENT OF POVERTY LINE	.7	99	.5	109	Q	Q	Q	Q	Q	Q
TOTAL BELOW 125 PERCENT OF POVERTY LINE	1.0	107	.7	120	Q	Q	Q	Q	Q	Q
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS	2.0	109	1.5	118	.2	69	Q	Q	Q	Q
35 TO 59 YEARS	2.8	134	2.1	145	.2	87	Q	Q	.3	135
60 YEARS AND OVER	1.6	124	1.2	133	Q	Q	Q	Q	Q	Q

See footnotes at end of table.

Average Fuel Consumption

Table 2. (Continued) Census Division: West North Central

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)
HOUSEHOLD MEMBERS										
ONE PERSON	1.4	95	1.1	97	Q	Q	Q	Q	Q	Q
2 TO 4 PEOPLE	4.2	130	3.1	141	0.3	75	0.2	111	0.3	132
5 OR MORE PEOPLE	.8	146	.5	174	Q	Q	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE										
<2,000 CDD AND >7,000 HDD	2.1	132	1.7	134	Q	Q	.2	121	.2	132
<2,000 CDD AND 5,500 TO 7,000 HDD	1.3	131	1.1	134	Q	Q	Q	Q	Q	Q
<2,000 CDD AND 4,000 TO 5,499 HDD	2.9	115	1.9	134	.4	69	Q	Q	.2	110
<2,000 CDD AND <4,000 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
>2,000 CDD AND <4,000 HDD	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Average Fuel Consumption

Table 2. (Continued)
Census Region: South

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)
TOTAL HOUSEHOLDS	28.1	88	13.3	112	6.8	61	2.5	98	2.3	71
AREA TYPE										
METROPOLITAN	18.6	93	10.0	114	5.0	62	1.6	105	1.1	66
CENTRAL CITY	8.5	95	5.6	110	1.9	62	.6	95	.3	44
OUTSIDE CENTRAL CITY	10.1	92	4.4	119	3.1	62	1.0	112	.9	73
NON-METROPOLITAN	9.4	78	3.4	107	1.8	59	.9	86	1.1	76
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD	24.7	89	11.2	118	6.2	61	2.2	98	2.0	70
SOME, NONE, OTHER PAID BY HOUSEHOLD	3.3	79	2.1	81	.7	67	.3	96	.3	82
TYPE OF HOUSING STRUCTURE										
MOBILE HOME	1.8	57	.3	81	.6	43	.3	61	.5	65
SINGLE FAMILY	20.9	96	10.2	122	4.0	69	1.9	104	1.8	73
2 OR MORE UNITS	5.4	68	2.9	78	2.2	53	.2	103	Q	Q
NUMBER OF ROOMS										
1 TO 3	3.1	55	1.3	70	1.3	43	.2	70	.2	42
4 TO 5	12.6	75	6.0	94	2.9	56	1.2	84	1.1	65
6 OR MORE	12.3	109	6.0	140	2.6	77	1.1	117	.9	85
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 999	10.5	66	4.9	81	2.8	49	.9	76	1.1	59
1,000 TO 1,999	13.2	90	6.0	117	3.2	66	1.1	99	1.0	80
2,000 OR MORE	4.2	136	2.3	166	.8	87	.5	138	Q	Q
YEAR HOUSE BUILT										
BEFORE 1950	7.7	89	4.0	107	0.5	58	1.1	109	0.9	75
1950 TO 1974	15.6	91	8.1	115	3.7	62	1.3	90	1.1	69
AFTER 1974	4.7	76	1.3	111	2.6	61	Q	Q	.3	69
OWN/RENT										
OWN	18.5	94	8.5	124	4.2	66	1.8	99	1.6	72
RENT	9.6	75	4.8	91	2.6	54	.7	96	.7	69
1981 FAMILY INCOME										
LESS THAN $10,000	9.5	72	4.4	88	1.8	51	.9	83	1.1	68
$10,000 TO $19,999	8.0	86	3.5	113	1.9	52	.8	104	.7	78
$20,000 TO $34,999	4.3	94	2.2	119	1.1	60	.3	110	.3	66
$35,000 OR MORE	6.3	111	3.1	141	2.0	80	.5	111	.2	74
TOTAL BELOW 100 PERCENT OF POVERTY LINE	5.1	74	2.5	87	.7	61	.5	97	.6	69
TOTAL BELOW 125 PERCENT OF POVERTY LINE	6.9	74	3.3	90	1.0	56	.6	91	.8	70
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS	8.8	81	4.1	100	2.5	61	.8	92	.6	70
35 TO 59 YEARS	11.6	97	5.7	125	2.7	68	.9	105	.8	73
60 YEARS AND OVER	7.7	82	3.5	106	1.6	52	.8	97	.8	70

See footnotes at end of table.

Average Fuel Consumption

Table 2. (Continued)
Census Region: South

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)
HOUSEHOLD MEMBERS										
ONE PERSON.....	6.1	67	3.2	79	1.6	44	0.5	90	0.5	64
2 TO 4 PEOPLE.....	18.6	90	8.4	119	4.5	64	1.7	99	1.6	70
5 OR MORE PEOPLE.....	3.3	114	1.7	143	.7	87	.3	111	.2	94
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE										
<2,000 CDD AND >7,000 HDD.....	-	-	-	-	-	-	-	-	-	-
<2,000 CDD AND 5,500 TO 7,000 HDD.....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
<2,000 CDD AND 4,000 TO 5,499 HDD.....	6.4	94	2.7	124	1.2	64	1.2	112	Q	Q
<2,000 CDD AND <4,000 HDD.....	10.4	89	4.9	113	2.1	65	1.1	90	.9	82
>2,000 CDD AND <4,000 HDD.....	11.3	83	5.8	106	3.5	58	.3	67	1.2	61

See footnotes at end of table.

Average Fuel Consumption

Table 2. (Continued)
Census Division: South Atlantic

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)
TOTAL HOUSEHOLDS	13.9	80	4.6	113	3.7	52	2.4	98	1.2	67
AREA TYPE										
METROPOLITAN	10.0	85	3.9	115	3.1	52	1.6	105	.8	61
CENTRAL CITY	3.8	82	1.7	107	1.1	50	.6	94	.3	44
OUTSIDE CENTRAL CITY	6.2	87	2.2	121	2.0	54	1.0	112	.6	68
NON-METROPOLITAN	3.9	67	.7	101	.6	48	.8	85	.4	80
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD	12.0	80	3.3	122	3.4	52	2.1	99	1.1	66
SOME, NONE, OTHER PAID BY HOUSEHOLD	2.0	82	1.3	88	.2	48	.3	96	Q	Q
TYPE OF HOUSING STRUCTURE										
MOBILE HOME	1.2	50	Q	Q	.4	37	.3	61	.3	58
SINGLE FAMILY	9.8	88	3.2	126	2.0	60	1.8	103	.9	70
2 OR MORE UNITS	2.9	67	1.4	83	1.2	44	.2	103	Q	Q
NUMBER OF ROOMS										
1 TO 3	1.6	47	.5	62	.8	39	.2	70	Q	Q
4 TO 5	6.1	67	1.9	94	1.6	44	1.1	84	.7	58
6 OR MORE	6.1	102	2.3	139	1.2	71	1.1	118	.5	85
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 999	5.4	60	1.6	81	1.7	42	.8	75	.7	58
1,000 TO 1,999	6.1	79	1.9	114	1.7	54	1.1	98	.4	70
2,000 OR MORE	2.4	129	1.1	158	.3	88	.4	142	Q	Q
YEAR HOUSE BUILT										
BEFORE 1950	3.9	88	1.4	110	0.3	51	1.0	109	0.4	78
1950 TO 1974	8.0	80	2.7	116	2.2	51	1.2	90	.8	64
AFTER 1974	2.0	65	.5	103	1.1	53	Q	Q	Q	Q
OWN/RENT										
OWN	9.0	86	2.7	128	2.3	58	1.7	99	.8	66
RENT	4.9	70	1.9	91	1.4	43	.7	96	.4	70
1981 FAMILY INCOME										
LESS THAN $10,000	4.5	67	1.3	93	1.0	43	.9	83	.5	61
$10,000 TO $19,999	4.2	78	1.2	117	1.1	46	.7	104	.4	79
$20,000 TO $34,999	2.0	83	.8	111	.5	50	.2	115	.2	60
$35,000 OR MORE	3.2	98	1.3	130	1.0	70	.5	111	Q	Q
TOTAL BELOW 100 PERCENT OF POVERTY LINE	2.3	73	.7	92	.3	56	.5	97	.3	66
TOTAL BELOW 125 PERCENT OF POVERTY LINE	3.0	70	.9	94	.5	50	.6	91	.3	64
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS	4.3	74	1.4	99	1.2	48	.7	92	.4	66
35 TO 59 YEARS	5.8	87	2.1	123	1.4	59	.8	105	.5	74
60 YEARS AND OVER	3.9	76	1.1	111	1.1	47	.8	97	.4	59

See footnotes at end of table.

Average Fuel Consumption

Table 2. (Continued) Census Division: South Atlantic

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)
HOUSEHOLD MEMBERS										
ONE PERSON.....	3.4	64	1.3	80	1.0	36	0.5	90	0.3	70
2 TO 4 PEOPLE.....	9.1	82	2.8	121	2.3	55	1.6	99	.9	65
5 OR MORE PEOPLE.....	1.4	102	.5	152	.3	78	.2	112	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE										
<2,000 CDD AND >7,000 HDD.....	-	-	-	-	-	-	-	-	-	-
<2,000 CDD AND 5,500 TO 7,000 HDD.....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
<2,000 CDD AND 4,000 TO 5,499 HDD.....	5.1	94	2.1	122	.7	63	1.1	115	Q	Q
<2,000 CDD AND <4,000 HDD.....	5.0	86	2.0	116	.7	51	1.0	89	.5	78
>2,000 CDD AND <4,000 HDD.....	3.8	52	.5	66	2.3	48	.3	65	.6	54

See footnotes at end of table.

Average Fuel Consumption

Table 2. (Continued) Census Division: East South Central

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)
TOTAL HOUSEHOLDS	5.7	83	2.5	108	1.8	66	Q	Q	0.3	74
AREA TYPE										
METROPOLITAN	2.8	87	1.6	101	.8	70	Q	Q	Q	Q
CENTRAL CITY	1.3	90	1.0	95	.3	70	Q	Q	Q	Q
OUTSIDE CENTRAL CITY	1.5	84	.6	111	.6	71	Q	Q	Q	Q
NON-METROPOLITAN	2.9	80	.9	119	1.0	62	Q	Q	.2	81
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD	5.1	85	2.2	112	1.6	68	Q	Q	.3	74
SOME, NONE, OTHER PAID BY HOUSEHOLD	.5	68	.3	80	.2	51	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE										
MOBILE HOME	.3	69	Q	Q	Q	Q	Q	Q	Q	Q
SINGLE FAMILY	4.3	89	1.7	123	1.4	71	Q	Q	.3	68
2 OR MORE UNITS	1.1	66	.7	76	.4	47	Q	Q	Q	Q
NUMBER OF ROOMS										
1 TO 3	.6	59	.3	72	.2	43	Q	Q	Q	Q
4 TO 5	2.5	73	1.1	91	.7	58	Q	Q	.2	79
6 OR MORE	2.6	100	1.1	135	.9	78	Q	Q	Q	Q
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 999	2.1	66	1.1	80	.6	49	Q	Q	Q	Q
1,000 TO 1,999	2.6	84	1.0	116	.9	68	Q	Q	.2	78
2,000 OR MORE	1.0	120	.4	161	.4	86	Q	Q	Q	Q
YEAR HOUSE BUILT										
BEFORE 1950	1.4	89	0.7	121	0.2	63	Q	Q	Q	Q
1950 TO 1974	3.1	86	1.6	103	.8	69	Q	Q	Q	Q
AFTER 1974	1.2	70	.2	95	.8	63	Q	Q	Q	Q
OWN/RENT										
OWN	3.9	90	1.5	124	1.3	73	Q	Q	0.3	75
RENT	1.8	71	1.1	85	.6	51	Q	Q	Q	Q
1981 FAMILY INCOME										
LESS THAN $10,000	2.2	71	1.1	92	.6	52	Q	Q	Q	Q
$10,000 TO $19,999	1.5	82	.7	107	.4	58	Q	Q	Q	Q
$20,000 TO $34,999	1.2	93	.5	122	.4	67	Q	Q	Q	Q
$35,000 OR MORE	.8	109	.2	148	.4	90	Q	Q	Q	Q
TOTAL BELOW 100 PERCENT OF POVERTY LINE	1.0	70	.5	93	.2	52	Q	Q	Q	Q
TOTAL BELOW 125 PERCENT OF POVERTY LINE	1.5	70	.7	96	.3	51	Q	Q	Q	Q
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS	1.8	78	.8	93	.7	64	Q	Q	Q	Q
35 TO 59 YEARS	2.3	91	.9	120	.8	75	Q	Q	Q	Q
60 YEARS AND OVER	1.6	80	.8	109	.4	51	Q	Q	.2	73

See footnotes at end of table.

Average Fuel Consumption

Table 2. (Continued) Census Division: East South Central

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)
HOUSEHOLD MEMBERS										
ONE PERSON.....	1.2	68	0.8	80	0.3	49	Q	Q	Q	Q
2 TO 4 PEOPLE.....	3.8	84	1.5	117	1.3	66	Q	Q	0.2	72
5 OR MORE PEOPLE.....	.7	105	.2	137	.2	84	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE										
<2,000 CDD AND >7,000 HDD.....	-	-	-	-	-	-	-	-	-	-
<2,000 CDD AND 5,500 TO 7,000 HDD.....	-	-	-	-	-	-	-	-	-	-
<2,000 CDD AND 4,000 TO 5,499 HDD.....	1.3	94	.6	131	.5	66	Q	Q	Q	Q
<2,000 CDD AND <4,000 HDD.....	3.4	76	1.4	97	1.2	66	Q	Q	.2	74
>2,000 CDD AND <4,000 HDD.....	1.0	94	.6	109	.2	66	Q	Q	Q	Q

See footnotes at end of table.

Average Fuel Consumption

Table 2. (Continued) Census Division: West South Central

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)
TOTAL HOUSEHOLDS	8.5	104	6.2	113	1.3	82	Q	Q	0.7	78
AREA TYPE										
METROPOLITAN	5.9	109	4.5	118	1.1	83	Q	Q	.2	94
CENTRAL CITY	3.5	111	2.9	117	.6	81	Q	Q	Q	Q
OUTSIDE CENTRAL CITY	2.4	107	1.6	119	.6	85	Q	Q	.2	94
NON-METROPOLITAN	2.6	91	1.7	102	.2	74	Q	Q	.5	72
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD	7.6	106	5.7	118	1.1	77	Q	Q	.6	74
SOME, NONE, OTHER PAID BY HOUSEHOLD	.8	80	.5	66	.2	106	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE										
MOBILE HOME	.3	70	Q	Q	Q	Q	Q	Q	Q	Q
SINGLE FAMILY	6.8	111	5.3	120	.7	90	Q	Q	.6	80
2 OR MORE UNITS	1.3	73	.8	71	.6	76	Q	Q	Q	Q
NUMBER OF ROOMS										
1 TO 3	.9	67	.5	75	.3	56	Q	Q	Q	Q
4 TO 5	4.0	91	3.0	95	.6	87	Q	Q	.3	73
6 OR MORE	3.6	128	2.6	142	.5	90	Q	Q	.3	89
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 999	3.0	76	2.2	81	.6	70	Q	Q	.2	59
1,000 TO 1,999	4.5	109	3.2	119	.7	92	Q	Q	.4	88
2,000 OR MORE	.9	170	.8	179	Q	Q	Q	Q	Q	Q
YEAR HOUSE BUILT										
BEFORE 1950	2.4	92	1.8	99	Q	Q	Q	Q	0.4	77
1950 TO 1974	4.6	112	3.7	119	0.6	90	Q	Q	.2	72
AFTER 1974	1.5	96	.6	121	.7	73	Q	Q	Q	Q
OWN/RENT										
OWN	5.7	112	4.3	122	.7	83	Q	Q	.4	83
RENT	2.8	88	1.8	94	.6	81	Q	Q	.3	70
1981 FAMILY INCOME										
LESS THAN $10,000	2.8	80	2.0	82	.2	88	Q	Q	.4	77
$10,000 TO $19,999	2.3	102	1.7	113	.3	67	Q	Q	.2	71
$20,000 TO $34,999	1.0	114	.8	123	Q	Q	Q	Q	Q	Q
$35,000 OR MORE	2.3	129	1.6	148	.6	89	Q	Q	Q	Q
TOTAL BELOW 100 PERCENT OF POVERTY LINE	1.7	79	1.3	82	Q	Q	Q	Q	.2	74
TOTAL BELOW 125 PERCENT OF POVERTY LINE	2.3	82	1.7	86	.2	83	Q	Q	.3	78
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS	2.8	95	1.8	103	.7	80	Q	Q	.2	81
35 TO 59 YEARS	3.5	117	2.7	128	.5	82	Q	Q	.2	68
60 YEARS AND OVER	2.2	94	1.6	101	.2	88	Q	Q	.3	83

See footnotes at end of table.

Average Fuel Consumption

Table 2. (Continued)
West South Central

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)
HOUSEHOLD MEMBERS										
ONE PERSON.....	1.6	73	1.1	78	0.3	65	Q	Q	Q	Q
2 TO 4 PEOPLE.....	5.7	107	4.1	117	.9	83	Q	Q	0.5	78
5 OR MORE PEOPLE.....	1.2	132	1.0	139	.2	110	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE										
<2,000 CDD AND >7,000 HDD.....	-	-	-	-	-	-	-	-	-	-
<2,000 CDD AND 5,500 TO 7,000 HDD.....	-	-	-	-	-	-	-	-	-	-
<2,000 CDD AND 4,000 TO 5,499 HDD.....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
<2,000 CDD AND <4,000 HDD.....	2.0	117	1.5	124	.2	103	Q	Q	.2	98
>2,000 CDD AND <4,000 HDD.....	6.5	100	4.6	110	1.1	77	Q	Q	.5	69

See footnotes at end of table.

Average Fuel Consumption

Table 2. (Continued)
Census Region: West

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)
TOTAL HOUSEHOLDS	16.5	84	11.1	94	3.1	59	0.4	99	0.4	88
AREA TYPE										
METROPOLITAN	14.4	83	10.3	92	2.8	59	.3	92	.2	69
CENTRAL CITY	7.3	80	5.2	86	1.6	63	Q	Q	Q	Q
OUTSIDE CENTRAL CITY	7.1	87	5.1	97	1.2	54	.2	98	Q	Q
NON-METROPOLITAN	2.1	87	.8	126	.3	59	Q	Q	.2	103
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD	14.0	86	9.5	98	2.5	56	.4	96	.3	87
SOME, NONE, OTHER PAID BY HOUSEHOLD	2.5	71	1.6	70	.6	75	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE										
MOBILE HOME	.9	81	.5	90	Q	Q	Q	Q	.2	86
SINGLE FAMILY	11.2	94	7.8	106	1.6	65	.4	99	.2	90
2 OR MORE UNITS	4.5	59	2.9	63	1.4	53	Q	Q	Q	Q
NUMBER OF ROOMS										
1 TO 3	2.5	49	1.6	53	.6	44	Q	Q	Q	Q
4 TO 5	8.2	75	5.5	84	1.7	58	.2	78	.2	87
6 OR MORE	5.9	110	4.1	123	.8	74	.2	113	Q	Q
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 999	6.9	62	4.4	69	1.4	46	Q	Q	.2	70
1,000 TO 1,999	7.1	90	5.0	100	1.4	60	.2	98	Q	Q
2,000 OR MORE	2.5	128	1.7	142	.4	105	Q	Q	Q	Q
YEAR HOUSE BUILT										
BEFORE 1950	4.3	85	3.1	93	0.3	61	0.3	95	Q	Q
1950 TO 1974	8.4	89	6.4	96	1.1	61	.2	105	Q	Q
AFTER 1974	3.8	71	1.6	90	1.7	58	Q	Q	0.2	86
OWN/RENT										
OWN	9.9	94	6.5	108	1.8	66	.3	100	.2	94
RENT	6.6	68	4.6	75	1.3	50	Q	Q	Q	Q
1981 FAMILY INCOME										
LESS THAN $10,000	4.7	73	3.0	83	1.1	51	Q	Q	.2	74
$10,000 TO $19,999	4.7	77	3.3	85	.8	54	Q	Q	Q	Q
$20,000 TO $34,999	2.6	89	1.9	98	.4	62	Q	Q	Q	Q
$35,000 OR MORE	4.4	100	3.0	112	.9	73	Q	Q	Q	Q
TOTAL BELOW 100 PERCENT OF POVERTY LINE	1.9	84	1.2	100	.5	55	Q	Q	Q	Q
TOTAL BELOW 125 PERCENT OF POVERTY LINE	3.0	81	1.9	93	.7	56	Q	Q	Q	Q
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS	6.0	75	3.9	84	1.3	54	Q	Q	Q	Q
35 TO 59 YEARS	6.1	97	4.2	106	.9	79	.2	95	.2	97
60 YEARS AND OVER	4.3	78	3.0	90	.9	46	.2	102	Q	Q

See footnotes at end of table.

Average Fuel Consumption

Table 2. (Continued)
Census Region: West

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)
HOUSEHOLD MEMBERS										
ONE PERSON.....	4.0	62	2.8	65	0.8	59	Q	Q	Q	Q
2 TO 4 PEOPLE.....	10.6	87	7.2	99	2.0	57	0.3	102	0.3	82
5 OR MORE PEOPLE.....	1.9	113	1.1	134	.3	76	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE										
<2,000 CDD AND >7,000 HDD.....	1.4	127	1.1	141	Q	Q	Q	Q	Q	Q
<2,000 CDD AND 5,500 TO 7,000 HDD.....	1.5	103	.7	135	.3	73	Q	Q	Q	Q
<2,000 CDD AND 4,000 TO 5,499 HDD.....	3.0	75	1.2	94	1.2	58	.3	90	Q	Q
<2,000 CDD AND <4,000 HDD.....	9.2	81	7.6	85	1.0	63	Q	Q	Q	Q
>2,000 CDD AND <4,000 HDD.....	1.3	54	.5	75	.5	46	Q	Q	Q	Q

See footnotes at end of table.

Average Fuel Consumption

Table 2. (Continued)
Census Division: Mountain

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)
TOTAL HOUSEHOLDS	4.3	98	2.8	117	0.9	53	Q	Q	0.2	101
AREA TYPE										
METROPOLITAN	2.8	96	2.0	113	.8	50	Q	Q	Q	Q
CENTRAL CITY	1.7	94	1.2	110	.4	49	Q	Q	Q	Q
OUTSIDE CENTRAL CITY	1.1	98	.8	119	.3	51	Q	Q	Q	Q
NON-METROPOLITAN	1.5	103	.8	126	Q	Q	Q	Q	.2	103
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD	3.7	99	2.4	120	.8	51	Q	Q	Q	Q
SOME, NONE, OTHER PAID BY HOUSEHOLD	.6	92	.4	98	Q	Q	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE										
MOBILE HOME	.3	90	.2	95	Q	Q	Q	Q	Q	Q
SINGLE FAMILY	3.3	103	2.1	125	.6	51	Q	Q	Q	Q
2 OR MORE UNITS	.7	77	.5	87	.2	55	Q	Q	Q	Q
NUMBER OF ROOMS										
1 TO 3	.6	63	.4	63	Q	Q	Q	Q	Q	Q
4 TO 5	2.2	86	1.3	109	.6	45	Q	Q	Q	Q
6 OR MORE	1.5	130	1.1	147	Q	Q	Q	Q	Q	Q
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 999	1.7	75	1.1	85	.4	50	Q	Q	Q	Q
1,000 TO 1,999	1.8	101	1.1	128	.4	50	Q	Q	Q	Q
2,000 OR MORE	.8	142	.6	158	Q	Q	Q	Q	Q	Q
YEAR HOUSE BUILT										
BEFORE 1950	0.9	99	0.6	111	Q	Q	Q	Q	Q	Q
1950 TO 1974	2.2	111	1.7	121	0.2	59	Q	Q	Q	Q
AFTER 1974	1.2	76	.5	110	.6	51	Q	Q	Q	Q
OWN/RENT										
OWN	3.1	103	2.0	125	.6	51	Q	Q	0.2	109
RENT	1.2	86	.8	96	.2	56	Q	Q	Q	Q
1981 FAMILY INCOME										
LESS THAN $10,000	1.5	84	.9	96	.3	52	Q	Q	Q	Q
$10,000 TO $19,999	1.0	99	.7	114	.2	55	Q	Q	Q	Q
$20,000 TO $34,999	.7	107	.4	126	Q	Q	Q	Q	Q	Q
$35,000 OR MORE	1.2	111	.7	142	.3	53	Q	Q	Q	Q
TOTAL BELOW 100 PERCENT OF POVERTY LINE	.5	104	.3	129	Q	Q	Q	Q	Q	Q
TOTAL BELOW 125 PERCENT OF POVERTY LINE	.8	94	.5	107	.2	48	Q	Q	Q	Q
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS	1.6	90	.9	115	.5	54	Q	Q	Q	Q
35 TO 59 YEARS	1.4	117	1.0	131	Q	Q	Q	Q	Q	Q
60 YEARS AND OVER	1.3	89	.9	104	.3	48	Q	Q	Q	Q

See footnotes at end of table.

Average Fuel Consumption

Table 2. (Continued)
Census Division: Mountain

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)
HOUSEHOLD MEMBERS										
ONE PERSON.....	1.1	72	0.7	84	0.2	47	Q	Q	Q	Q
2 TO 4 PEOPLE.....	2.7	102	1.7	123	.5	53	Q	Q	0.2	87
5 OR MORE PEOPLE.....	.5	134	.3	160	Q	Q	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE										
<2,000 CDD AND >7,000 HDD.....	1.2	129	1.0	136	Q	Q	Q	Q	Q	Q
<2,000 CDD AND 5,500 TO 7,000 HDD.....	1.3	107	.7	135	Q	Q	Q	Q	Q	Q
<2,000 CDD AND 4,000 TO 5,499 HDD.....	.3	109	.3	110	Q	Q	Q	Q	Q	Q
<2,000 CDD AND <4,000 HDD.....	.5	74	.3	84	.2	57	Q	Q	Q	Q
>2,000 CDD AND <4,000 HDD.....	1.0	59	.5	74	.5	46	Q	Q	Q	Q

See footnotes at end of table.

Average Fuel Consumption

Table 2. (Continued)
Census Division: Pacific

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)
TOTAL HOUSEHOLDS	12.2	79	8.4	87	2.3	62	0.3	92	0.2	70
AREA TYPE										
METROPOLITAN	11.6	80	8.4	87	2.1	63	.3	92	.2	70
CENTRAL CITY	5.6	76	4.0	79	1.1	69	Q	Q	Q	Q
OUTSIDE CENTRAL CITY	6.0	85	4.4	93	.9	55	.2	98	Q	Q
NON-METROPOLITAN	.6	44	Q	Q	.2	53	Q	Q	Q	Q
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD	10.3	81	7.1	91	1.8	58	.3	94	Q	Q
SOME, NONE, OTHER PAID BY HOUSEHOLD	1.8	64	1.2	61	.5	76	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE										
MOBILE HOME	.5	75	.3	86	Q	Q	Q	Q	Q	Q
SINGLE FAMILY	7.9	90	5.7	98	1.0	74	.3	93	Q	Q
2 OR MORE UNITS	3.8	56	2.4	59	1.2	52	Q	Q	Q	Q
NUMBER OF ROOMS										
1 TO 3	1.8	45	1.1	49	.5	38	Q	Q	Q	Q
4 TO 5	6.0	72	4.2	76	1.1	64	Q	Q	Q	Q
6 OR MORE	4.3	103	3.0	115	.7	75	.2	106	Q	Q
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 999	5.2	57	3.3	64	1.0	45	Q	Q	Q	Q
1,000 TO 1,999	5.3	86	3.9	92	.9	66	Q	Q	Q	Q
2,000 OR MORE	1.7	121	1.1	133	.3	104	Q	Q	Q	Q
YEAR HOUSE BUILT										
BEFORE 1950	3.4	82	2.5	88	0.3	63	0.2	89	Q	Q
1950 TO 1974	6.2	81	4.7	87	.9	62	Q	Q	Q	Q
AFTER 1974	2.6	69	1.2	82	1.1	62	Q	Q	Q	Q
OWN/RENT										
OWN	6.8	90	4.5	101	1.2	73	.3	96	Q	Q
RENT	5.4	64	3.8	70	1.1	49	Q	Q	Q	Q
1981 FAMILY INCOME										
LESS THAN $10,000	3.2	67	2.0	78	.7	50	Q	Q	Q	Q
$10,000 TO $19,999	3.7	70	2.6	78	.6	54	Q	Q	Q	Q
$20,000 TO $34,999	2.0	83	1.4	90	.4	65	Q	Q	Q	Q
$35,000 OR MORE	3.3	96	2.3	103	.5	84	Q	Q	Q	Q
TOTAL BELOW 100 PERCENT OF POVERTY LINE	1.5	78	.9	92	.4	57	Q	Q	Q	Q
TOTAL BELOW 125 PERCENT OF POVERTY LINE	2.2	76	1.4	87	.5	58	Q	Q	Q	Q
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS	4.4	69	3.1	75	.9	54	Q	Q	Q	Q
35 TO 59 YEARS	4.7	91	3.2	99	.8	82	Q	Q	Q	Q
60 YEARS AND OVER	3.0	74	2.1	85	.6	45	Q	Q	Q	Q

See footnotes at end of table.

Average Fuel Consumption

Table 2. (Continued)
Census Division: Pacific

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)
HOUSEHOLD MEMBERS										
ONE PERSON.....	2.9	58	2.1	59	0.6	64	Q	Q	Q	Q
2 TO 4 PEOPLE.....	7.9	82	5.5	91	1.5	58	0.2	94	Q	Q
5 OR MORE PEOPLE.....	1.3	105	.8	124	.2	79	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE										
<2,000 CDD AND >7,000 HDD.....	.2	114	Q	Q	Q	Q	Q	Q	Q	Q
<2,000 CDD AND 5,500 TO 7,000 HDD.....	.3	82	Q	Q	.2	78	Q	Q	Q	Q
<2,000 CDD AND 4,000 TO 5,499 HDD.....	2.7	72	.9	89	1.2	58	.3	90	Q	Q
<2,000 CDD AND <4,000 HDD.....	8.7	82	7.3	85	.8	64	Q	Q	Q	Q
>2,000 CDD AND <4,000 HDD.....	.3	41	Q	Q	Q	Q	Q	Q	Q	Q

"-" = DATA NOT APPLICABLE.
"Q" = DATA WITHHELD BECAUSE OF A LARGE VARIANCE.
NOTE: BECAUSE OF ROUNDING, DATA MAY NOT SUM TO TOTALS. PERCENTAGES ARE CALCULATED ON UNROUNDED NUMBERS. SEE GLOSSARY FOR DEFINITION OF TERMS USED IN THIS REPORT.
NOTE: COLUMN TOTALS WILL NOT SUM TO TOTAL NUMBER OF HOUSEHOLDS BECAUSE 6.8 MILLION HOUSEHOLDS WITH NO MAIN HEATING FUEL OR WITH OTHER MAIN HEATING FUEL, SUCH AS WOOD, WERE NOT INCLUDED.
SOURCE: ENERGY INFORMATION ADMINISTRATION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY END USE DIVISION, FORM EIA-457, THE 1982 RESIDENTIAL ENERGY CONSUMPTION SURVEY.

Average Fuel Expenditures

Table 3. U.S. Average Residential Energy Expenditures for Major Fuels Used inthe Household, by Main Heating Fuel Type—April 1982 Through March 1983, United States (Dollars per Household)

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	83.8	1048	47.5	1011	13.4	976	12.0	1433	3.8	1072
AREA TYPE										
METROPOLITAN	63.2	1079	38.8	1024	10.5	986	9.7	1485	1.5	1035
CENTRAL CITY	29.4	1034	19.9	982	4.5	930	4.1	1468	.3	748
OUTSIDE CENTRAL CITY	33.8	1119	18.9	1068	5.9	1029	5.6	1497	1.3	1102
NON-METROPOLITAN	20.6	951	8.7	956	2.9	942	2.3	1217	2.2	1098
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD	68.9	1069	38.6	1063	11.5	973	8.7	1459	3.4	1070
SOME, NONE, OTHER PAID BY HOUSEHOLD	14.8	950	8.9	787	1.9	998	3.4	1367	.4	1093
TYPE OF HOUSING STRUCTURE										
MOBILE HOME	3.7	861	1.1	784	.9	836	.6	998	.9	948
SINGLE FAMILY	57.7	1122	33.2	1111	7.5	1096	7.6	1493	2.8	1120
2 OR MORE UNITS	22.4	889	13.2	780	4.9	820	3.8	1381	Q	Q
NUMBER OF ROOMS										
1 TO 3	10.8	744	5.5	610	2.8	776	1.7	1215	.3	674
4 TO 5	36.6	906	21.0	849	5.9	887	4.9	1303	1.9	959
6 OR MORE	36.4	1281	21.0	1279	4.6	1212	5.4	1622	1.6	1288
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 999	30.2	792	16.7	712	5.7	798	4.1	1190	1.7	860
1,000 TO 1,999	35.6	1068	19.9	1037	5.8	1025	5.0	1434	1.5	1137
2,000 OR MORE	17.9	1439	10.8	1427	1.9	1370	3.0	1767	.5	1579
YEAR HOUSE BUILT										
BEFORE 1950	30.6	1071	18.4	987	1.1	873	6.8	1496	1.4	1081
1950 TO 1974	40.2	1049	24.5	1030	6.6	1014	4.4	1359	1.7	1054
AFTER 1974	12.9	991	4.7	1008	5.7	952	.8	1314	.7	1101
OWN/RENT										
OWN	53.9	1151	29.8	1141	7.8	1083	8.1	1502	2.7	1121
RENT	29.8	862	17.7	792	5.6	830	4.0	1293	1.1	945
1981 FAMILY INCOME										
LESS THAN $10,000	26.3	874	14.5	815	3.9	819	4.1	1258	1.7	943
$10,000 TO $19,999	24.8	997	13.6	950	3.9	915	3.8	1403	1.0	1071
$20,000 TO $34,999	12.4	1097	7.3	1071	2.1	948	1.5	1511	.5	1223
$35,000 OR MORE	20.2	1306	12.2	1277	3.6	1230	2.6	1709	.5	1364
TOTAL BELOW 100 PERCENT OF POVERTY LINE	12.1	900	6.9	859	1.4	843	1.8	1326	.8	897
TOTAL BELOW 125 PERCENT OF POVERTY LINE	17.4	910	9.7	868	2.1	834	2.6	1326	1.2	927
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS	26.2	934	14.6	882	5.3	928	2.9	1302	1.0	1024
35 TO 59 YEARS	34.0	1174	19.8	1154	4.7	1108	4.7	1564	1.5	1173
60 YEARS AND OVER	23.6	993	13.0	939	3.4	872	4.4	1383	1.3	988
HOUSEHOLD MEMBERS										
ONE PERSON	19.3	783	11.5	696	3.3	753	2.9	1212	.8	873
2 TO 4 PEOPLE	54.1	1083	30.3	1068	8.7	1014	7.7	1447	2.5	1061
5 OR MORE PEOPLE	10.4	1352	5.7	1338	1.4	1284	1.5	1804	.5	1490

See footnotes at end of table.

Average Fuel Expenditures

Table 3. (Continued)
United States

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE										
<2,000 CDD AND >7,000 HDD.....	8.5	1038	4.5	955	0.6	1119	1.7	1387	0.5	1238
<2,000 CDD AND 5,500 TO 7,000 HDD.....	21.0	1138	13.5	1069	2.4	1007	3.4	1576	.5	1303
<2,000 CDD AND 4,000 TO 5,499 HDD.....	22.1	1165	10.7	1180	3.1	906	5.7	1444	.5	1246
<2,000 CDD AND <4,000 HDD.....	19.6	829	12.5	784	3.2	940	1.1	1091	1.0	1031
>2,000 CDD AND <4,000 HDD.....	12.6	1038	6.3	1094	4.1	1020	.3	1122	1.3	889

See footnotes at end of table.

Average Fuel Expenditures

Table 3. (Continued) Census Region: Northeast

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	18.0	1369	7.5	1331	1.3	1112	7.6	1549	0.2	961
AREA TYPE										
METROPOLITAN	15.5	1420	6.8	1373	1.2	1151	6.7	1566	Q	Q
CENTRAL CITY	6.4	1453	3.1	1381	.2	1049	3.0	1559	Q	Q
OUTSIDE CENTRAL CITY	9.1	1396	3.7	1366	.9	1176	3.7	1572	Q	Q
NON-METROPOLITAN	2.4	1050	.7	935	Q	Q	.8	1412	Q	Q
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD	12.7	1422	5.4	1432	1.1	1139	4.8	1629	.2	976
SOME, NONE, OTHER PAID BY HOUSEHOLD	5.3	1243	2.1	1073	.3	1002	2.8	1410	Q	Q
TYPE OF HOUSING STRUCTURE										
MOBILE HOME	.4	1027	Q	Q	Q	Q	.2	1255	Q	Q
SINGLE FAMILY	10.6	1482	4.5	1509	.7	1312	4.0	1663	Q	Q
2 OR MORE UNITS	7.0	1216	2.9	1082	.6	877	3.3	1428	Q	Q
NUMBER OF ROOMS										
1 TO 3	2.8	1053	1.0	809	.4	848	1.3	1303	Q	Q
4 TO 5	6.3	1216	2.5	1109	.5	1078	2.8	1436	Q	Q
6 OR MORE	8.8	1578	4.1	1587	.4	1487	3.4	1736	Q	Q
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 999	6.0	1084	2.2	934	.6	886	2.7	1302	Q	Q
1,000 TO 1,999	7.1	1386	3.2	1324	.5	1254	2.9	1572	Q	Q
2,000 OR MORE	4.8	1702	2.1	1752	.2	1460	1.9	1868	Q	Q
YEAR HOUSE BUILT										
BEFORE 1950	9.4	1359	3.9	1219	0.2	1069	4.5	1572	Q	Q
1950 TO 1974	7.1	1388	3.2	1412	.7	1130	2.5	1530	Q	Q
AFTER 1974	1.5	1344	.4	1776	.5	1103	.5	1428	Q	Q
OWN/RENT										
OWN	11.3	1504	4.9	1495	.5	1413	4.7	1662	Q	Q
RENT	6.7	1142	2.7	1031	.8	931	2.9	1363	Q	Q
1981 FAMILY INCOME										
LESS THAN $10,000	5.3	1155	2.0	1025	.5	998	2.5	1357	Q	Q
$10,000 TO $19,999	5.4	1292	2.1	1217	.4	1114	2.4	1497	Q	Q
$20,000 TO $34,999	2.6	1418	1.3	1370	Q	Q	1.0	1640	Q	Q
$35,000 OR MORE	4.6	1682	2.2	1684	.3	1378	1.7	1858	Q	Q
TOTAL BELOW 100 PERCENT OF POVERTY LINE	2.3	1208	.9	1110	Q	Q	1.0	1399	Q	Q
TOTAL BELOW 125 PERCENT OF POVERTY LINE	3.6	1212	1.4	1105	.2	1052	1.6	1425	Q	Q
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS	4.8	1240	1.9	1230	.6	1106	1.8	1401	Q	Q
35 TO 59 YEARS	7.5	1508	3.4	1485	.3	1331	3.0	1687	Q	Q
60 YEARS AND OVER	5.6	1294	2.2	1182	.4	958	2.8	1491	Q	Q
HOUSEHOLD MEMBERS										
ONE PERSON	4.4	1030	1.8	866	.5	833	1.9	1264	Q	Q
2 TO 4 PEOPLE	11.2	1429	4.9	1432	.7	1295	4.6	1574	Q	Q
5 OR MORE PEOPLE	2.3	1733	.9	1706	Q	Q	1.0	1988	Q	Q

See footnotes at end of table.

Average Fuel Expenditures

Table 3. (Continued) Census Region: Northeast

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE										
<2,000 CDD AND >7,000 HDD.....	1.6	1115	Q	Q	Q	Q	0.8	1367	Q	Q
<2,000 CDD AND 5,500 TO 7,000 HDD.....	8.0	1298	3.7	1179	0.8	1036	2.8	1626	Q	Q
<2,000 CDD AND 4,000 TO 5,499 HDD.....	8.3	1488	3.7	1481	.4	1392	4.0	1530	Q	Q
<2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Average Fuel Expenditures

Table 3. (Continued) Census Division: New England

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	4.2	1395	1.2	1401	0.3	1035	2.1	1560	Q	Q
AREA TYPE										
METROPOLITAN	3.3	1472	1.1	1416	.3	1025	1.7	1635	Q	Q
CENTRAL CITY	1.3	1350	.6	1208	Q	Q	.5	1540	Q	Q
OUTSIDE CENTRAL CITY	2.0	1549	.5	1648	.2	952	1.1	1682	Q	Q
NON-METROPOLITAN	.9	1123	Q	Q	Q	Q	.5	1298	Q	Q
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD	3.2	1459	.9	1491	Q	Q	1.6	1644	Q	Q
SOME, NONE, OTHER PAID BY HOUSEHOLD	1.0	1182	.3	1064	.2	1113	.5	1280	Q	Q
TYPE OF HOUSING STRUCTURE										
MOBILE HOME	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
SINGLE FAMILY	2.3	1573	.5	1744	Q	Q	1.3	1749	Q	Q
2 OR MORE UNITS	1.8	1165	.7	1129	.3	1009	.8	1271	Q	Q
NUMBER OF ROOMS										
1 TO 3	.5	885	.2	781	.2	928	Q	Q	Q	Q
4 TO 5	1.7	1212	.5	1209	Q	Q	.9	1342	Q	Q
6 OR MORE	2.0	1670	.5	1776	Q	Q	1.1	1777	Q	Q
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 999	1.2	1010	.4	910	.2	918	.5	1201	Q	Q
1,000 TO 1,999	1.9	1382	.5	1434	Q	Q	1.0	1473	Q	Q
2,000 OR MORE	1.1	1852	.3	1949	Q	Q	.6	1998	Q	Q
YEAR HOUSE BUILT										
BEFORE 1950	2.4	1416	0.8	1361	Q	Q	1.3	1547	Q	Q
1950 TO 1974	1.5	1360	.4	1523	0.2	870	.7	1513	Q	Q
AFTER 1974	.3	1402	Q	Q	Q	Q	Q	Q	Q	Q
OWN/RENT										
OWN	2.7	1538	.7	1654	Q	Q	1.5	1648	Q	Q
RENT	1.5	1131	.5	1025	.3	1009	.6	1345	Q	Q
1981 FAMILY INCOME										
LESS THAN $10,000	1.0	1186	.3	1065	Q	Q	.5	1290	Q	Q
$10,000 TO $19,999	1.2	1321	.3	1191	Q	Q	.6	1612	Q	Q
$20,000 TO $34,999	.6	1331	.2	1171	Q	Q	.3	1623	Q	Q
$35,000 OR MORE	1.4	1637	.5	1833	Q	Q	.7	1697	Q	Q
TOTAL BELOW 100 PERCENT OF POVERTY LINE	.3	1121	Q	Q	Q	Q	Q	Q	Q	Q
TOTAL BELOW 125 PERCENT OF POVERTY LINE	.6	1266	.2	1244	Q	Q	.2	1369	Q	Q
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS	1.2	1172	.3	1061	Q	Q	.6	1331	Q	Q
35 TO 59 YEARS	1.7	1556	.5	1603	Q	Q	.8	1766	Q	Q
60 YEARS AND OVER	1.3	1399	.4	1401	Q	Q	.7	1508	Q	Q
HOUSEHOLD MEMBERS										
ONE PERSON	.8	1092	.3	965	Q	Q	.4	1233	Q	Q
2 TO 4 PEOPLE	2.9	1431	.8	1509	.2	1013	1.6	1568	Q	Q
5 OR MORE PEOPLE	.5	1681	Q	Q	Q	Q	.2	2093	Q	Q

See footnotes at end of table.

Average Fuel Expenditures

Table 3. (Continued) Census Division: New England

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE										
<2,000 CDD AND >7,000 HDD.....	1.1	1183	Q	Q	Q	Q	0.6	1317	Q	Q
<2,000 CDD AND 5,500 TO 7,000 HDD.....	3.1	1469	1.1	1394	0.3	1030	1.6	1647	Q	Q
<2,000 CDD AND 4,000 TO 5,499 HDD.....	-	-	-	-	-	-	-	-	-	-
<2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Average Fuel Expenditures

Table 3. (Continued) Census Division: Middle Atlantic

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	13.7	1361	6.3	1318	1.0	1134	5.4	1544	0.2	900
AREA TYPE										
METROPOLITAN	12.2	1405	5.7	1364	.9	1191	5.1	1543	Q	Q
CENTRAL CITY	5.1	1479	2.5	1423	Q	Q	2.5	1563	Q	Q
OUTSIDE CENTRAL CITY	7.1	1352	3.2	1318	.8	1231	2.6	1524	Q	Q
NON-METROPOLITAN	1.5	1006	.7	926	Q	Q	.4	1559	Q	Q
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD	9.4	1409	4.5	1420	.9	1166	3.1	1622	Q	Q
SOME, NONE, OTHER PAID BY HOUSEHOLD	4.3	1257	1.9	1074	Q	Q	2.3	1438	Q	Q
TYPE OF HOUSING STRUCTURE										
MOBILE HOME	.3	923	Q	Q	Q	Q	Q	Q	Q	Q
SINGLE FAMILY	8.3	1456	4.0	1478	.7	1319	2.8	1623	Q	Q
2 OR MORE UNITS	5.2	1234	2.2	1068	.3	781	2.5	1475	Q	Q
NUMBER OF ROOMS										
1 TO 3	2.3	1087	.8	815	.3	806	1.2	1327	Q	Q
4 TO 5	4.6	1218	2.0	1085	.4	1072	1.9	1479	Q	Q
6 OR MORE	6.8	1551	3.6	1558	.3	1490	2.3	1716	Q	Q
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 999	4.8	1103	1.8	939	.4	867	2.3	1324	Q	Q
1,000 TO 1,999	5.2	1388	2.7	1301	.4	1219	1.9	1628	Q	Q
2,000 OR MORE	3.7	1659	1.8	1721	.2	1462	1.3	1808	Q	Q
YEAR HOUSE BUILT										
BEFORE 1950	7.0	1340	3.1	1185	Q	Q	3.2	1583	Q	Q
1950 TO 1974	5.6	1395	2.9	1399	0.5	1217	1.8	1537	Q	Q
AFTER 1974	1.2	1328	.3	1917	.4	1070	.4	1267	Q	Q
OWN/RENT										
OWN	8.5	1493	4.2	1468	.5	1432	3.2	1668	Q	Q
RENT	5.2	1145	2.2	1032	.6	895	2.2	1368	Q	Q
1981 FAMILY INCOME										
LESS THAN $10,000	4.4	1148	1.7	1018	.4	965	2.0	1375	Q	Q
$10,000 TO $19,999	4.2	1284	1.8	1222	.3	1167	1.7	1456	Q	Q
$20,000 TO $34,999	2.0	1443	1.1	1400	Q	Q	.7	1646	Q	Q
$35,000 OR MORE	3.2	1701	1.8	1647	.3	1384	1.0	1977	Q	Q
TOTAL BELOW 100 PERCENT OF POVERTY LINE	2.0	1219	.9	1109	Q	Q	.9	1432	Q	Q
TOTAL BELOW 125 PERCENT OF POVERTY LINE	3.0	1202	1.3	1086	.2	988	1.3	1435	Q	Q
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS	3.5	1264	1.6	1260	.5	1114	1.2	1438	Q	Q
35 TO 59 YEARS	5.8	1493	2.9	1466	.2	1390	2.2	1657	Q	Q
60 YEARS AND OVER	4.4	1264	1.8	1129	.3	972	2.1	1485	Q	Q
HOUSEHOLD MEMBERS										
ONE PERSON	3.6	1016	1.5	847	.4	776	1.6	1271	Q	Q
2 TO 4 PEOPLE	8.3	1429	4.1	1418	.6	1379	3.0	1577	Q	Q
5 OR MORE PEOPLE	1.8	1748	.7	1705	Q	Q	.8	1962	Q	Q

See footnotes at end of table.

Average Fuel Expenditures

Table 3. (Continued)
Census Division: Middle Atlantic

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE										
<2,000 CDD AND >7,000 HDD.....	0.5	978	Q	Q	Q	Q	0.2	1515	Q	Q
<2,000 CDD AND 5,500 TO 7,000 HDD.....	4.9	1188	2.7	1091	0.5	1040	1.2	1599	Q	Q
<2,000 CDD AND 4,000 TO 5,499 HDD.....	8.3	1488	3.7	1481	.4	1392	4.0	1530	Q	Q
<2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Average Fuel Expenditures

Table 3. (Continued) Census Region: North Central

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	21.3	1060	15.5	1024	2.1	1090	1.6	1404	1.0	1350
AREA TYPE										
METROPOLITAN	14.7	1084	11.7	1047	1.4	1055	1.1	1446	.2	1669
CENTRAL CITY	7.2	1066	6.0	1044	.8	1088	.3	1429	Q	Q
OUTSIDE CENTRAL CITY	7.6	1101	5.6	1049	.7	1016	.8	1453	.2	1700
NON-METROPOLITAN	6.6	1005	3.8	954	.7	1165	.5	1301	.8	1272
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD	17.5	1115	12.4	1103	1.7	1068	1.3	1426	.9	1348
SOME, NONE, OTHER PAID BY HOUSEHOLD	3.8	803	3.1	710	.4	1195	.3	1304	Q	Q
TYPE OF HOUSING STRUCTURE										
MOBILE HOME	.7	980	.2	758	Q	Q	Q	Q	.2	972
SINGLE FAMILY	15.0	1158	10.7	1136	1.2	1209	1.2	1473	.8	1440
2 OR MORE UNITS	5.6	805	4.6	776	.8	848	.3	1169	Q	Q
NUMBER OF ROOMS										
1 TO 3	2.4	705	1.7	605	.4	974	.2	1052	Q	Q
4 TO 5	9.6	950	7.0	900	.8	989	.8	1355	.4	1144
6 OR MORE	9.3	1264	6.8	1257	.8	1256	.6	1576	.5	1531
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 999	6.8	765	5.2	723	.9	903	.3	1081	.2	971
1,000 TO 1,999	8.1	1087	5.7	1054	.7	1125	.8	1381	.4	1307
2,000 OR MORE	6.3	1342	4.6	1324	.5	1375	.5	1661	.3	1713
YEAR HOUSE BUILT										
BEFORE 1950	9.3	1071	7.4	1017	Q	Q	0.9	1541	0.4	1457
1950 TO 1974	9.2	1056	6.8	1041	1.2	1092	.4	1291	.4	1181
AFTER 1974	2.9	1034	1.3	978	.8	1082	.2	1037	Q	Q
OWN/RENT										
OWN	14.3	1159	9.9	1135	1.2	1234	1.3	1461	.9	1341
RENT	7.0	855	5.6	827	.9	891	.3	1171	Q	Q
1981 FAMILY INCOME										
LESS THAN $10,000	6.8	905	5.1	844	.5	1020	.5	1364	.4	1165
$10,000 TO $19,999	6.7	1005	4.7	986	.7	1047	.6	1325	.2	1108
$20,000 TO $34,999	2.9	1173	2.0	1124	.4	1182	.2	1366	Q	Q
$35,000 OR MORE	4.9	1279	3.7	1263	.4	1154	.3	1696	.3	1629
TOTAL BELOW 100 PERCENT OF POVERTY LINE	2.8	929	2.3	884	Q	Q	.2	1534	Q	Q
TOTAL BELOW 125 PERCENT OF POVERTY LINE	4.0	938	3.1	892	.2	1044	.3	1431	.2	1113
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS	6.5	931	4.7	911	.8	952	.3	1273	.2	1265
35 TO 59 YEARS	8.8	1187	6.5	1155	.8	1283	.6	1553	.5	1433
60 YEARS AND OVER	6.0	1010	4.3	950	.5	1032	.7	1341	.3	1250
HOUSEHOLD MEMBERS										
ONE PERSON	4.7	784	3.7	727	.4	781	.3	1288	.2	1083
2 TO 4 PEOPLE	13.6	1087	9.7	1061	1.4	1103	1.1	1421	.6	1319
5 OR MORE PEOPLE	3.0	1369	2.1	1382	.3	1418	Q	Q	.2	1824

See footnotes at end of table.

Average Fuel Expenditures

Table 3. (Continued) Census Region: North Central

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE										
<2,000 CDD AND >7,000 HDD.....	5.5	1056	3.3	973	0.3	1354	0.9	1387	0.3	1290
<2,000 CDD AND 5,500 TO 7,000 HDD.....	11.5	1065	9.0	1037	1.3	1055	.5	1405	.3	1463
<2,000 CDD AND 4,000 TO 5,499 HDD.....	4.3	1049	3.1	1040	.4	988	.2	1485	.3	1296
<2,000 CDD AND <4,000 HDD.....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
>2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Average Fuel Expenditures

Table 3. (Continued)
Census Division: East North Central

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	15.0	1056	10.8	1018	1.6	1079	1.3	1440	0.5	1324
AREA TYPE										
METROPOLITAN	11.4	1078	8.9	1041	1.2	1031	1.0	1436	Q	Q
CENTRAL CITY	5.4	1075	4.4	1052	.7	1094	.3	1418	Q	Q
OUTSIDE CENTRAL CITY	6.0	1079	4.5	1030	.5	937	.7	1443	Q	Q
NON-METROPOLITAN	3.6	987	1.9	908	.5	1203	.3	1451	.4	1188
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD	12.1	1120	8.4	1111	1.3	1047	1.0	1484	.5	1324
SOME, NONE, OTHER PAID BY HOUSEHOLD	2.9	794	2.3	682	.3	1208	.3	1274	Q	Q
TYPE OF HOUSING STRUCTURE										
MOBILE HOME	.4	1018	Q	Q	Q	Q	Q	Q	Q	Q
SINGLE FAMILY	10.1	1168	7.1	1147	.9	1184	1.0	1522	.3	1471
2 OR MORE UNITS	4.5	807	3.6	773	.6	868	.3	1144	Q	Q
NUMBER OF ROOMS										
1 TO 3	1.8	715	1.2	584	.4	978	Q	Q	Q	Q
4 TO 5	6.9	943	5.0	884	.6	1012	.6	1339	.3	1156
6 OR MORE	6.3	1274	4.6	1273	.6	1211	.5	1636	.2	1560
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 999	5.0	762	3.8	715	.7	919	.2	1121	.2	938
1,000 TO 1,999	5.6	1080	3.9	1041	.5	1123	.7	1374	.2	1387
2,000 OR MORE	4.3	1364	3.1	1359	.4	1327	.4	1696	Q	Q
YEAR HOUSE BUILT										
BEFORE 1950	6.9	1077	5.5	1024	Q	Q	0.8	1599	Q	Q
1950 TO 1974	6.2	1047	4.4	1031	1.0	1099	.3	1300	0.2	1071
AFTER 1974	1.9	1010	.9	912	.5	1041	.2	1037	Q	Q
OWN/RENT										
OWN	9.6	1169	6.4	1145	.9	1214	1.0	1504	.4	1310
RENT	5.4	858	4.4	832	.7	892	.2	1175	Q	Q
1981 FAMILY INCOME										
LESS THAN $10,000	5.1	914	3.9	844	.4	1059	.4	1458	.2	1211
$10,000 TO $19,999	4.8	1009	3.3	983	.6	1034	.4	1354	Q	Q
$20,000 TO $34,999	1.8	1170	1.2	1132	.3	1247	.2	1266	Q	Q
$35,000 OR MORE	3.2	1284	2.4	1290	.3	1026	.2	1696	Q	Q
TOTAL BELOW 100 PERCENT OF POVERTY LINE	2.1	969	1.8	915	Q	Q	.2	1667	Q	Q
TOTAL BELOW 125 PERCENT OF POVERTY LINE	3.0	964	2.3	906	Q	Q	.2	1548	Q	Q
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS	4.6	900	3.2	889	.6	899	.2	1171	Q	Q
35 TO 59 YEARS	6.0	1197	4.4	1160	.6	1288	.5	1628	.2	1332
60 YEARS AND OVER	4.4	1024	3.2	952	.4	1050	.6	1376	Q	Q
HOUSEHOLD MEMBERS										
ONE PERSON	3.3	792	2.6	736	.3	777	.2	1373	Q	Q
2 TO 4 PEOPLE	9.4	1072	6.6	1039	1.1	1083	.9	1458	.3	1208
5 OR MORE PEOPLE	2.2	1381	1.6	1397	.2	1442	Q	Q	Q	Q

See footnotes at end of table.

Average Fuel Expenditures

Table 3. (Continued) Census Division: East North Central

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE										
<2,000 CDD AND >7,000 HDD.....	3.4	992	1.7	878	0.3	1223	0.7	1390	0.2	1125
<2,000 CDD AND 5,500 TO 7,000 HDD.....	10.2	1071	7.9	1046	1.3	1059	.5	1405	.2	1509
<2,000 CDD AND 4,000 TO 5,499 HDD.....	1.5	1098	1.2	1026	Q	Q	Q	Q	Q	Q
<2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Average Fuel Expenditures

Table 3. (Continued) Census Division: West North Central

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	6.3	1068	4.7	1038	0.5	1129	0.3	1258	0.5	1374
AREA TYPE										
METROPOLITAN	3.3	1105	2.8	1065	.3	1166	Q	Q	Q	Q
CENTRAL CITY	1.7	1037	1.6	1022	Q	Q	Q	Q	Q	Q
OUTSIDE CENTRAL CITY	1.6	1181	1.2	1123	.2	1216	Q	Q	Q	Q
NON-METROPOLITAN	3.0	1028	1.9	999	.2	1087	.2	1031	.4	1350
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD	5.5	1104	3.9	1085	.4	1132	.3	1229	.5	1371
SOME, NONE, OTHER PAID BY HOUSEHOLD	.8	832	.8	795	Q	Q	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE										
MOBILE HOME	.3	915	Q	Q	Q	Q	Q	Q	Q	Q
SINGLE FAMILY	4.9	1139	3.6	1114	.3	1274	.2	1273	.4	1416
2 OR MORE UNITS	1.1	795	1.0	787	Q	Q	Q	Q	Q	Q
NUMBER OF ROOMS										
1 TO 3	.7	677	.5	649	Q	Q	Q	Q	Q	Q
4 TO 5	2.7	969	2.0	941	.2	926	.2	1416	.2	1123
6 OR MORE	3.0	1243	2.2	1222	.2	1387	Q	Q	.3	1514
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 999	1.8	773	1.4	746	.2	825	Q	Q	Q	Q
1,000 TO 1,999	2.5	1102	1.8	1082	.2	1129	Q	Q	.2	1242
2,000 OR MORE	2.0	1295	1.5	1252	Q	Q	Q	Q	.2	1658
YEAR HOUSE BUILT										
BEFORE 1950	2.3	1056	1.8	996	Q	Q	0.2	1240	0.2	1459
1950 TO 1974	3.0	1074	2.4	1059	Q	Q	.2	1276	.2	1319
AFTER 1974	1.0	1081	.5	1096	0.3	1161	Q	Q	Q	Q
OWN/RENT										
OWN	4.8	1140	3.5	1117	.3	1304	.2	1282	.4	1371
RENT	1.5	845	1.2	809	.2	886	Q	Q	Q	Q
1981 FAMILY INCOME										
LESS THAN $10,000	1.7	878	1.2	842	Q	Q	Q	Q	.2	1101
$10,000 TO $19,999	1.8	993	1.3	993	Q	Q	Q	Q	Q	Q
$20,000 TO $34,999	1.1	1178	.8	1112	Q	Q	Q	Q	Q	Q
$35,000 OR MORE	1.7	1270	1.3	1216	Q	Q	Q	Q	Q	Q
TOTAL BELOW 100 PERCENT OF POVERTY LINE	.7	799	.5	773	Q	Q	Q	Q	Q	Q
TOTAL BELOW 125 PERCENT OF POVERTY LINE	1.0	861	.7	845	Q	Q	Q	Q	Q	Q
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS	2.0	1004	1.5	958	.2	1104	Q	Q	Q	Q
35 TO 59 YEARS	2.8	1167	2.1	1145	.2	1264	Q	Q	.3	1516
60 YEARS AND OVER	1.6	971	1.2	946	Q	Q	Q	Q	Q	Q
HOUSEHOLD MEMBERS										
ONE PERSON	1.4	766	1.1	707	Q	Q	Q	Q	Q	Q
2 TO 4 PEOPLE	4.2	1121	3.1	1108	.3	1172	.2	1208	.3	1419
5 OR MORE PEOPLE	.8	1333	.5	1330	Q	Q	Q	Q	Q	Q

See footnotes at end of table.

Average Fuel Expenditures

Table 3. (Continued) Census Division: West North Central

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE										
<2,000 CDD AND >7,000 HDD.....	2.1	1158	1.7	1067	Q	Q	0.2	1378	0.2	1485
<2,000 CDD AND 5,500 TO 7,000 HDD.....	1.3	1019	1.1	974	Q	Q	Q	Q	Q	Q
<2,000 CDD AND 4,000 TO 5,499 HDD.....	2.9	1024	1.9	1049	0.4	1014	Q	Q	.2	1245
<2,000 CDD AND <4,000 HDD.....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
>2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Average Fuel Expenditures

Table 3. (Continued)
Census Region: South

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	28.1	1019	13.3	1054	6.8	1039	2.5	1190	2.3	973
AREA TYPE										
METROPOLITAN	18.6	1074	10.0	1075	5.0	1083	1.6	1291	1.1	961
CENTRAL CITY	8.5	996	5.6	978	1.9	1033	.6	1206	.3	755
OUTSIDE CENTRAL CITY	10.1	1139	4.4	1196	3.1	1115	1.0	1345	.9	1021
NON-METROPOLITAN	9.4	912	3.4	994	1.8	915	.9	1011	1.1	985
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD	24.7	1033	11.2	1095	6.2	1036	2.2	1212	2.0	957
SOME, NONE, OTHER PAID BY HOUSEHOLD	3.3	914	2.1	838	.7	1066	.3	1000	.3	1095
TYPE OF HOUSING STRUCTURE										
MOBILE HOME	1.8	807	.3	828	.6	752	.3	804	.5	925
SINGLE FAMILY	20.9	1079	10.2	1133	4.0	1141	1.9	1269	1.8	987
2 OR MORE UNITS	5.4	859	2.9	795	2.2	931	.2	1041	Q	Q
NUMBER OF ROOMS										
1 TO 3	3.1	724	1.3	713	1.3	774	.2	753	.2	622
4 TO 5	12.6	873	6.0	874	2.9	934	1.2	1033	1.1	889
6 OR MORE	12.3	1244	6.0	1311	2.6	1285	1.1	1420	.9	1149
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 999	10.5	795	4.9	773	2.8	854	.9	947	1.1	820
1,000 TO 1,999	13.2	1046	6.0	1083	3.2	1095	1.1	1200	1.0	1081
2,000 OR MORE	4.2	1494	2.3	1568	.8	1470	.5	1615	Q	Q
YEAR HOUSE BUILT										
BEFORE 1950	7.7	937	4.0	946	0.5	914	1.1	1287	0.9	973
1950 TO 1974	15.6	1047	8.1	1087	3.7	1066	1.3	1100	1.1	973
AFTER 1974	4.7	1062	1.3	1181	2.6	1025	Q	Q	.3	971
OWN/RENT										
OWN	18.5	1096	8.5	1170	4.2	1118	1.8	1218	1.6	997
RENT	9.6	871	4.8	848	2.6	912	.7	1121	.7	919
1981 FAMILY INCOME										
LESS THAN $10,000	9.5	813	4.4	810	1.8	851	.9	966	1.1	879
$10,000 TO $19,999	8.0	989	3.5	1032	1.9	908	.8	1260	.7	1038
$20,000 TO $34,999	4.3	1052	2.2	1107	1.1	954	.3	1278	.3	1040
$35,000 OR MORE	6.3	1347	3.1	1388	2.0	1377	.5	1431	.2	1173
TOTAL BELOW 100 PERCENT OF POVERTY LINE	5.1	825	2.5	803	.7	960	.5	1089	.6	866
TOTAL BELOW 125 PERCENT OF POVERTY LINE	6.9	830	3.3	842	1.0	899	.6	1034	.8	881
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS	8.8	964	4.1	940	2.5	1015	.8	1134	.6	945
35 TO 59 YEARS	11.6	1123	5.7	1185	2.7	1146	.9	1283	.8	1034
60 YEARS AND OVER	7.7	928	3.5	974	1.6	903	.8	1141	.8	935
HOUSEHOLD MEMBERS										
ONE PERSON	6.1	772	3.2	742	1.6	768	.5	1051	.5	836
2 TO 4 PEOPLE	18.6	1055	8.4	1122	4.5	1077	1.7	1199	1.6	979
5 OR MORE PEOPLE	3.3	1277	1.7	1310	.7	1400	.3	1408	.2	1233

See footnotes at end of table.

Average Fuel Expenditures

Table 3. (Continued)
Census Region: South

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE										
<2,000 CDD AND >7,000 HDD.....	-	-	-	-	-	-	-	-	-	-
<2,000 CDD AND 5,500 TO 7,000 HDD.....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
<2,000 CDD AND 4,000 TO 5,499 HDD.....	6.4	1071	2.7	1126	1.2	1081	1.2	1293	Q	Q
<2,000 CDD AND <4,000 HDD.....	10.4	949	4.9	948	2.1	1008	1.1	1094	0.9	1049
>2,000 CDD AND <4,000 HDD.....	11.3	1055	5.8	1112	3.5	1044	.3	1122	1.2	896

See footnotes at end of table.

Average Fuel Expenditures

Table 3. (Continued) Census Division: South Atlantic

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	13.9	1007	4.6	1079	3.7	974	2.4	1195	1.2	958
AREA TYPE										
METROPOLITAN	10.0	1068	3.9	1108	3.1	1005	1.6	1291	.8	920
CENTRAL CITY	3.8	1001	1.7	1035	1.1	930	.6	1210	.3	755
OUTSIDE CENTRAL CITY	6.2	1110	2.2	1165	2.0	1047	1.0	1340	.6	995
NON-METROPOLITAN	3.9	853	.7	927	.6	812	.8	1010	.4	1036
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD	12.0	1022	3.3	1145	3.4	979	2.1	1219	1.1	959
SOME, NONE, OTHER PAID BY HOUSEHOLD	2.0	916	1.3	905	.2	905	.3	1000	Q	Q
TYPE OF HOUSING STRUCTURE										
MOBILE HOME	1.2	746	Q	Q	.4	693	.3	805	.3	858
SINGLE FAMILY	9.8	1081	3.2	1172	2.0	1124	1.8	1275	.9	992
2 OR MORE UNITS	2.9	865	1.4	880	1.2	828	.2	1041	Q	Q
NUMBER OF ROOMS										
1 TO 3	1.6	722	.5	705	.8	777	.2	753	Q	Q
4 TO 5	6.1	852	1.9	905	1.6	811	1.1	1034	.7	839
6 OR MORE	6.1	1239	2.3	1301	1.2	1309	1.1	1431	.5	1193
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 999	5.4	801	1.6	806	1.7	799	.8	944	.7	834
1,000 TO 1,999	6.1	1004	1.9	1067	1.7	1006	1.1	1199	.4	1037
2,000 OR MORE	2.4	1486	1.1	1498	.3	1729	.4	1657	Q	Q
YEAR HOUSE BUILT										
BEFORE 1950	3.9	988	1.4	977	0.3	942	1.0	1287	0.4	1031
1950 TO 1974	8.0	1023	2.7	1133	2.2	979	1.2	1105	.8	945
AFTER 1974	2.0	984	.5	1074	1.1	972	Q	Q	Q	Q
OWN/RENT										
OWN	9.0	1081	2.7	1203	2.3	1071	1.7	1230	.8	969
RENT	4.9	874	1.9	896	1.4	818	.7	1112	.4	938
1981 FAMILY INCOME										
LESS THAN $10,000	4.5	827	1.3	874	1.0	782	.9	966	.5	844
$10,000 TO $19,999	4.2	981	1.2	1074	1.1	852	.7	1271	.4	1058
$20,000 TO $34,999	2.0	1021	.8	1077	.5	903	.2	1321	.2	983
$35,000 OR MORE	3.2	1283	1.3	1296	1.0	1352	.5	1450	Q	Q
TOTAL BELOW 100 PERCENT OF POVERTY LINE	2.3	883	.7	899	.3	960	.5	1089	.3	860
TOTAL BELOW 125 PERCENT OF POVERTY LINE	3.0	854	.9	902	.5	877	.6	1034	.3	833
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS	4.3	937	1.4	956	1.2	898	.7	1144	.4	892
35 TO 59 YEARS	5.8	1102	2.1	1187	1.4	1103	.8	1295	.5	1080
60 YEARS AND OVER	3.9	943	1.1	1036	1.1	883	.8	1141	.4	875
HOUSEHOLD MEMBERS										
ONE PERSON	3.4	798	1.3	787	1.0	686	.5	1051	.3	930
2 TO 4 PEOPLE	9.1	1041	2.8	1158	2.3	1021	1.6	1208	.9	955
5 OR MORE PEOPLE	1.4	1290	.5	1398	.3	1500	.2	1432	Q	Q

See footnotes at end of table.

Average Fuel Expenditures

Table 3. (Continued)
Census Division: South Atlantic

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE										
<2,000 CDD AND >7,000 HDD.....	-	-	-	-	-	-	-	-	-	-
<2,000 CDD AND 5,500 TO 7,000 HDD.....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
<2,000 CDD AND 4,000 TO 5,499 HDD.....	5.1	1104	2.1	1180	0.7	1135	1.1	1313	Q	Q
<2,000 CDD AND <4,000 HDD.....	5.0	976	2.0	1044	.7	909	1.0	1088	0.5	1013
>2,000 CDD AND <4,000 HDD.....	3.8	918	.5	818	2.3	942	.3	1124	.6	876

See footnotes at end of table.

Average Fuel Expenditures

Table 3. (Continued)
Census Division: East South Central

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSE-HOLDS (MIL-LIONS)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSE-HOLDS (MIL-LIONS)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSE-HOLDS (MIL-LIONS)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSE-HOLDS (MIL-LIONS)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSE-HOLDS (MIL-LIONS)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	5.7	910	2.5	929	1.8	953	Q	Q	0.3	924
AREA TYPE										
METROPOLITAN	2.8	930	1.6	920	.8	996	Q	Q	Q	Q
CENTRAL CITY	1.3	879	1.0	853	.3	957	Q	Q	Q	Q
OUTSIDE CENTRAL CITY	1.5	974	.6	1022	.6	1016	Q	Q	Q	Q
NON-METROPOLITAN	2.9	892	.9	944	1.0	917	Q	Q	.2	947
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD	5.1	933	2.2	961	1.6	990	Q	Q	.3	924
SOME, NONE, OTHER PAID BY HOUSEHOLD	.5	694	.3	702	.2	682	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE										
MOBILE HOME	.3	849	Q	Q	Q	Q	Q	Q	Q	Q
SINGLE FAMILY	4.3	973	1.7	1046	1.4	1028	Q	Q	.3	867
2 OR MORE UNITS	1.1	685	.7	672	.4	708	Q	Q	Q	Q
NUMBER OF ROOMS										
1 TO 3	.6	630	.3	678	.2	579	Q	Q	Q	Q
4 TO 5	2.5	793	1.1	783	.7	851	Q	Q	.2	932
6 OR MORE	2.6	1088	1.1	1155	.9	1129	Q	Q	Q	Q
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 999	2.1	695	1.1	707	.6	668	Q	Q	Q	Q
1,000 TO 1,999	2.6	953	1.0	1003	.9	1007	Q	Q	.2	968
2,000 OR MORE	1.0	1260	.4	1327	.4	1254	Q	Q	Q	Q
YEAR HOUSE BUILT										
BEFORE 1950	1.4	816	0.7	930	0.2	762	Q	Q	Q	Q
1950 TO 1974	3.1	947	1.6	933	.8	1013	Q	Q	Q	Q
AFTER 1974	1.2	928	.2	891	.8	933	Q	Q	Q	Q
OWN/RENT										
OWN	3.9	997	1.5	1063	1.3	1059	Q	Q	0.3	945
RENT	1.8	727	1.1	741	.6	720	Q	Q	Q	Q
1981 FAMILY INCOME										
LESS THAN $10,000	2.2	718	1.1	757	.6	745	Q	Q	Q	Q
$10,000 TO $19,999	1.5	920	.7	953	.4	862	Q	Q	Q	Q
$20,000 TO $34,999	1.2	997	.5	1056	.4	933	Q	Q	Q	Q
$35,000 OR MORE	.8	1314	.2	1351	.4	1331	Q	Q	Q	Q
TOTAL BELOW 100 PERCENT OF POVERTY LINE	1.0	699	.5	745	.2	707	Q	Q	Q	Q
TOTAL BELOW 125 PERCENT OF POVERTY LINE	1.5	734	.7	826	.3	714	Q	Q	Q	Q
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS	1.8	853	.8	809	.7	899	Q	Q	Q	Q
35 TO 59 YEARS	2.3	1040	.9	1089	.8	1112	Q	Q	Q	Q
60 YEARS AND OVER	1.6	795	.8	874	.4	745	Q	Q	.2	934
HOUSEHOLD MEMBERS										
ONE PERSON	1.2	653	.8	664	.3	670	Q	Q	Q	Q
2 TO 4 PEOPLE	3.8	938	1.5	1015	1.3	972	Q	Q	.2	902
5 OR MORE PEOPLE	.7	1206	.2	1224	.2	1204	Q	Q	Q	Q

See footnotes at end of table.

Average Fuel Expenditures

Table 3. (Continued) Census Division: East South Central

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE										
<2,000 CDD AND >7,000 HDD.....	-	-	-	-	-	-	-	-	-	-
<2,000 CDD AND 5,500 TO 7,000 HDD.....	-	-	-	-	-	-	-	-	-	-
<2,000 CDD AND 4,000 TO 5,499 HDD.....	1.3	941	0.6	937	0.5	996	Q	Q	Q	Q
<2,000 CDD AND <4,000 HDD.....	3.4	867	1.4	865	1.2	935	Q	Q	0.2	946
>2,000 CDD AND <4,000 HDD.....	1.0	1017	.6	1062	.2	964	Q	Q	Q	Q

See footnotes at end of table.

Average Fuel Expenditures

Table 3. (Continued) Census Division: West South Central

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	8.5	1112	6.2	1088	1.3	1342	Q	Q	0.7	1021
AREA TYPE										
METROPOLITAN	5.9	1151	4.5	1102	1.1	1355	Q	Q	.2	1192
CENTRAL CITY	3.5	1034	2.9	988	.6	1261	Q	Q	Q	Q
OUTSIDE CENTRAL CITY	2.4	1316	1.6	1308	.6	1452	Q	Q	.2	1192
NON-METROPOLITAN	2.6	1023	1.7	1051	.2	1255	Q	Q	.5	961
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD	7.6	1118	5.7	1118	1.1	1280	Q	Q	.6	971
SOME, NONE, OTHER PAID BY HOUSEHOLD	.8	1054	.5	751	.2	1693	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE										
MOBILE HOME	.3	994	Q	Q	Q	Q	Q	Q	Q	Q
SINGLE FAMILY	6.8	1142	5.3	1138	.7	1418	Q	Q	.6	1031
2 OR MORE UNITS	1.3	988	.8	760	.6	1305	Q	Q	Q	Q
NUMBER OF ROOMS										
1 TO 3	.9	793	.5	741	.3	944	Q	Q	Q	Q
4 TO 5	4.0	955	3.0	889	.6	1375	Q	Q	.3	976
6 OR MORE	3.6	1364	2.6	1384	.5	1523	Q	Q	.3	1155
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 999	3.0	853	2.2	783	.6	1202	Q	Q	.2	761
1,000 TO 1,999	4.5	1156	3.2	1116	.7	1446	Q	Q	.4	1170
2,000 OR MORE	.9	1759	.8	1801	Q	Q	Q	Q	Q	Q
YEAR HOUSE BUILT										
BEFORE 1950	2.4	923	1.8	929	Q	Q	Q	Q	0.4	994
1950 TO 1974	4.6	1155	3.7	1121	0.6	1440	Q	Q	.2	950
AFTER 1974	1.5	1276	.6	1347	.7	1231	Q	Q	Q	Q
OWN/RENT										
OWN	5.7	1187	4.3	1185	.7	1376	Q	Q	.4	1089
RENT	2.8	959	1.8	862	.6	1304	Q	Q	.3	916
1981 FAMILY INCOME										
LESS THAN $10,000	2.8	863	2.0	799	.2	1430	Q	Q	.4	974
$10,000 TO $19,999	2.3	1049	1.7	1033	.3	1155	Q	Q	.2	940
$20,000 TO $34,999	1.0	1174	.8	1170	Q	Q	Q	Q	Q	Q
$35,000 OR MORE	2.3	1444	1.6	1465	.6	1451	Q	Q	Q	Q
TOTAL BELOW 100 PERCENT OF POVERTY LINE	1.7	821	1.3	771	Q	Q	Q	Q	.2	937
TOTAL BELOW 125 PERCENT OF POVERTY LINE	2.3	859	1.7	814	.2	1305	Q	Q	.3	971
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS	2.8	1075	1.8	990	.7	1335	Q	Q	.2	1087
35 TO 59 YEARS	3.5	1210	2.7	1216	.5	1326	Q	Q	.2	968
60 YEARS AND OVER	2.2	1000	1.6	981	.2	1417	Q	Q	.3	1015
HOUSEHOLD MEMBERS										
ONE PERSON	1.6	804	1.1	744	.3	1123	Q	Q	Q	Q
2 TO 4 PEOPLE	5.7	1157	4.1	1138	.9	1398	Q	Q	.5	1047
5 OR MORE PEOPLE	1.2	1301	1.0	1288	.2	1464	Q	Q	Q	Q

See footnotes at end of table.

Average Fuel Expenditures

Table 3. (Continued) Census Division: West South Central

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE										
<2,000 CDD AND >7,000 HDD.....	-	-	-	-	-	-	-	-	-	-
<2,000 CDD AND 5,500 TO 7,000 HDD.....	-	-	-	-	-	-	-	-	-	-
<2,000 CDD AND 4,000 TO 5,499 HDD.....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
<2,000 CDD AND <4,000 HDD.....	2.0	1018	1.5	896	0.2	1655	Q	Q	0.2	1230
>2,000 CDD AND <4,000 HDD.....	6.5	1141	4.6	1152	1.1	1273	Q	Q	.5	930

See footnotes at end of table.

Average Fuel Expenditures

Table 3. (Continued)
Census Region: West

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	16.5	731	11.1	725	3.1	707	0.4	926	0.4	1022
AREA TYPE										
METROPOLITAN	14.4	715	10.3	718	2.8	708	.3	867	.2	822
CENTRAL CITY	7.3	677	5.2	673	1.6	706	Q	Q	Q	Q
OUTSIDE CENTRAL CITY	7.1	754	5.1	764	1.2	709	.2	945	Q	Q
NON-METROPOLITAN	2.1	844	.8	818	.3	703	Q	Q	.2	1172
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD	14.0	755	9.5	764	2.5	686	.4	905	.3	986
SOME, NONE, OTHER PAID BY HOUSEHOLD	2.5	598	1.6	490	.6	798	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE										
MOBILE HOME	.9	805	.5	806	Q	Q	Q	Q	.2	982
SINGLE FAMILY	11.2	811	7.8	816	1.6	799	.4	933	.2	1040
2 OR MORE UNITS	4.5	517	2.9	463	1.4	610	Q	Q	Q	Q
NUMBER OF ROOMS										
1 TO 3	2.5	456	1.6	407	.6	588	Q	Q	Q	Q
4 TO 5	8.2	664	5.5	636	1.7	699	.2	733	.2	1020
6 OR MORE	5.9	940	4.1	964	.8	814	.2	1067	Q	Q
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 999	6.9	559	4.4	520	1.4	583	Q	Q	.2	848
1,000 TO 1,999	7.1	771	5.0	778	1.4	730	.2	912	Q	Q
2,000 OR MORE	2.5	1091	1.7	1102	.4	1097	Q	Q	Q	Q
YEAR HOUSE BUILT										
BEFORE 1950	4.3	683	3.1	680	0.3	604	0.3	876	Q	Q
1950 TO 1974	8.4	756	6.4	752	1.1	686	.2	1008	Q	Q
AFTER 1974	3.8	731	1.6	708	1.7	738	Q	Q	0.2	968
OWN/RENT										
OWN	9.9	838	6.5	846	1.8	811	.3	942	.2	1076
RENT	6.6	572	4.6	556	1.3	564	Q	Q	Q	Q
1981 FAMILY INCOME										
LESS THAN $10,000	4.7	631	3.0	633	1.1	587	Q	Q	.2	871
$10,000 TO $19,999	4.7	666	3.3	639	.8	701	Q	Q	Q	Q
$20,000 TO $34,999	2.6	766	1.9	772	.4	697	Q	Q	Q	Q
$35,000 OR MORE	4.4	887	3.0	878	.9	869	Q	Q	Q	Q
TOTAL BELOW 100 PERCENT OF POVERTY LINE	1.9	688	1.2	731	.5	551	Q	Q	Q	Q
TOTAL BELOW 125 PERCENT OF POVERTY LINE	3.0	695	1.9	700	.7	594	Q	Q	Q	Q
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS	6.0	649	3.9	617	1.3	664	Q	Q	Q	Q
35 TO 59 YEARS	6.1	840	4.2	845	.9	791	.2	937	.2	1122
60 YEARS AND OVER	4.3	692	3.0	698	.9	683	.2	927	Q	Q
HOUSEHOLD MEMBERS										
ONE PERSON	4.0	526	2.8	493	.8	658	Q	Q	Q	Q
2 TO 4 PEOPLE	10.6	763	7.2	769	2.0	712	.3	978	.3	949
5 OR MORE PEOPLE	1.9	990	1.1	1014	.3	812	Q	Q	Q	Q

See footnotes at end of table.

Average Fuel Expenditures

Table 3. (Continued)
Census Region: West

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE										
<2,000 CDD AND >7,000 HDD.....	1.4	876	1.1	845	Q	Q	Q	Q	Q	Q
<2,000 CDD AND 5,500 TO 7,000 HDD.....	1.5	847	.7	909	0.3	704	Q	Q	Q	Q
<2,000 CDD AND 4,000 TO 5,499 HDD.....	3.0	648	1.2	731	1.2	537	0.3	820	Q	Q
<2,000 CDD AND <4,000 HDD.....	9.2	694	7.6	679	1.0	802	Q	Q	Q	Q
>2,000 CDD AND <4,000 HDD.....	1.3	895	.5	888	.5	867	Q	Q	Q	Q

See footnotes at end of table.

Average Fuel Expenditures

Table 3. (Continued)
Census Division: Mountain

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	4.3	880	2.8	876	0.9	863	Q	Q	0.2	1149
AREA TYPE										
METROPOLITAN	2.8	889	2.0	899	.8	869	Q	Q	Q	Q
CENTRAL CITY	1.7	862	1.2	876	.4	821	Q	Q	Q	Q
OUTSIDE CENTRAL CITY	1.1	931	.8	936	.3	934	Q	Q	Q	Q
NON-METROPOLITAN	1.5	864	.8	818	Q	Q	Q	Q	.2	1172
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD	3.7	885	2.4	902	.8	844	Q	Q	Q	Q
SOME, NONE, OTHER PAID BY HOUSEHOLD	.6	850	.4	709	Q	Q	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE										
MOBILE HOME	.3	867	.2	785	Q	Q	Q	Q	Q	Q
SINGLE FAMILY	3.3	911	2.1	927	.6	877	Q	Q	Q	Q
2 OR MORE UNITS	.7	740	.5	669	.2	830	Q	Q	Q	Q
NUMBER OF ROOMS										
1 TO 3	.6	612	.4	535	Q	Q	Q	Q	Q	Q
4 TO 5	2.2	814	1.3	818	.6	811	Q	Q	Q	Q
6 OR MORE	1.5	1085	1.1	1079	Q	Q	Q	Q	Q	Q
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 999	1.7	733	1.1	698	.4	804	Q	Q	Q	Q
1,000 TO 1,999	1.8	896	1.1	920	.4	859	Q	Q	Q	Q
2,000 OR MORE	.8	1165	.6	1135	Q	Q	Q	Q	Q	Q
YEAR HOUSE BUILT										
BEFORE 1950	0.9	784	0.6	777	Q	Q	Q	Q	Q	Q
1950 TO 1974	2.2	933	1.7	926	0.2	872	Q	Q	Q	Q
AFTER 1974	1.2	858	.5	828	.6	873	Q	Q	Q	Q
OWN/RENT										
OWN	3.1	923	2.0	935	.6	875	Q	Q	0.2	1207
RENT	1.2	772	.8	730	.2	831	Q	Q	Q	Q
1981 FAMILY INCOME										
LESS THAN $10,000	1.5	763	.9	749	.3	735	Q	Q	Q	Q
$10,000 TO $19,999	1.0	874	.7	836	.2	978	Q	Q	Q	Q
$20,000 TO $34,999	.7	902	.4	928	Q	Q	Q	Q	Q	Q
$35,000 OR MORE	1.2	1021	.7	1048	.3	963	Q	Q	Q	Q
TOTAL BELOW 100 PERCENT OF POVERTY LINE	.5	857	.3	889	Q	Q	Q	Q	Q	Q
TOTAL BELOW 125 PERCENT OF POVERTY LINE	.8	830	.5	804	.2	681	Q	Q	Q	Q
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS	1.6	839	.9	804	.5	873	Q	Q	Q	Q
35 TO 59 YEARS	1.4	992	1.0	996	Q	Q	Q	Q	Q	Q
60 YEARS AND OVER	1.3	814	.9	814	.3	829	Q	Q	Q	Q
HOUSEHOLD MEMBERS										
ONE PERSON	1.1	639	.7	644	.2	640	Q	Q	Q	Q
2 TO 4 PEOPLE	2.7	927	1.7	923	.5	945	Q	Q	.2	998
5 OR MORE PEOPLE	.5	1137	.3	1149	Q	Q	Q	Q	Q	Q

See footnotes at end of table.

Average Fuel Expenditures

Table 3. (Continued)
Census Division: Mountain

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE										
<2,000 CDD AND >7,000 HDD.....	1.2	896	1.0	844	Q	Q	Q	Q	Q	Q
<2,000 CDD AND 5,500 TO 7,000 HDD.....	1.3	872	.7	907	Q	Q	Q	Q	Q	Q
<2,000 CDD AND 4,000 TO 5,499 HDD.....	.3	931	.3	921	Q	Q	Q	Q	Q	Q
<2,000 CDD AND <4,000 HDD.....	.5	848	.3	845	0.2	852	Q	Q	Q	Q
>2,000 CDD AND <4,000 HDD.....	1.0	872	.5	888	.5	859	Q	Q	Q	Q

See footnotes at end of table.

Average Fuel Expenditures

Table 3. (Continued)
Census Division: Pacific

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	12.2	678	8.4	675	2.3	648	0.3	867	0.2	833
AREA TYPE										
METROPOLITAN	11.6	673	8.4	675	2.1	649	.3	867	.2	833
CENTRAL CITY	5.6	622	4.0	610	1.1	663	Q	Q	Q	Q
OUTSIDE CENTRAL CITY	6.0	721	4.4	734	.9	632	.2	945	Q	Q
NON-METROPOLITAN	.6	789	Q	Q	.2	636	Q	Q	Q	Q
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD	10.3	708	7.1	718	1.8	618	.3	882	Q	Q
SOME, NONE, OTHER PAID BY HOUSEHOLD	1.8	510	1.2	422	.5	755	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE										
MOBILE HOME	.5	765	.3	819	Q	Q	Q	Q	Q	Q
SINGLE FAMILY	7.9	769	5.7	774	1.0	748	.3	876	Q	Q
2 OR MORE UNITS	3.8	476	2.4	424	1.2	573	Q	Q	Q	Q
NUMBER OF ROOMS										
1 TO 3	1.8	403	1.1	361	.5	506	Q	Q	Q	Q
4 TO 5	6.0	611	4.2	580	1.1	638	Q	Q	Q	Q
6 OR MORE	4.3	888	3.0	923	.7	763	.2	1005	Q	Q
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 999	5.2	502	3.3	460	1.0	500	Q	Q	Q	Q
1,000 TO 1,999	5.3	728	3.9	738	.9	667	Q	Q	Q	Q
2,000 OR MORE	1.7	1057	1.1	1086	.3	1051	Q	Q	Q	Q
YEAR HOUSE BUILT										
BEFORE 1950	3.4	655	2.5	656	0.3	605	0.2	824	Q	Q
1950 TO 1974	6.2	694	4.7	689	.9	644	Q	Q	Q	Q
AFTER 1974	2.6	670	1.2	659	1.1	661	Q	Q	Q	Q
OWN/RENT										
OWN	6.8	800	4.5	807	1.2	777	.3	911	Q	Q
RENT	5.4	527	3.8	520	1.1	505	Q	Q	Q	Q
1981 FAMILY INCOME										
LESS THAN $10,000	3.2	570	2.0	580	.7	522	Q	Q	Q	Q
$10,000 TO $19,999	3.7	608	2.6	587	.6	631	Q	Q	Q	Q
$20,000 TO $34,999	2.0	721	1.4	724	.4	678	Q	Q	Q	Q
$35,000 OR MORE	3.3	839	2.3	826	.5	817	Q	Q	Q	Q
TOTAL BELOW 100 PERCENT OF POVERTY LINE	1.5	636	.9	688	.4	528	Q	Q	Q	Q
TOTAL BELOW 125 PERCENT OF POVERTY LINE	2.2	644	1.4	661	.5	564	Q	Q	Q	Q
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS	4.4	579	3.1	563	.9	547	Q	Q	Q	Q
35 TO 59 YEARS	4.7	796	3.2	798	.8	776	Q	Q	Q	Q
60 YEARS AND OVER	3.0	639	2.1	648	.6	613	Q	Q	Q	Q
HOUSEHOLD MEMBERS										
ONE PERSON	2.9	484	2.1	440	.6	666	Q	Q	Q	Q
2 TO 4 PEOPLE	7.9	706	5.5	720	1.5	626	.2	917	Q	Q
5 OR MORE PEOPLE	1.3	934	.8	963	.2	748	Q	Q	Q	Q

See footnotes at end of table.

Average Fuel Expenditures

Table 3. (Continued) Census Division: Pacific

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
			NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUEFIED PETROLEUM GAS AS MAIN HEATING FUEL	
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE										
<2,000 CDD AND >7,000 HDD.....	0.2	724	Q	Q	Q	Q	Q	Q	Q	Q
<2,000 CDD AND 5,500 TO 7,000 HDD.....	.3	716	Q	Q	0.2	707	Q	Q	Q	Q
<2,000 CDD AND 4,000 TO 5,499 HDD.....	2.7	616	0.9	669	1.2	537	0.3	820	Q	Q
<2,000 CDD AND <4,000 HDD.....	8.7	685	7.3	672	.8	791	Q	Q	Q	Q
>2,000 CDD AND <4,000 HDD.....	.3	960	Q	Q	Q	Q	Q	Q	Q	Q

"-" = DATA NOT APPLICABLE.
"Q" = DATA WITHHELD BECAUSE OF A LARGE VARIANCE.
NOTE: BECAUSE OF ROUNDING, DATA MAY NOT SUM TO TOTALS. PERCENTAGES ARE CALCULATED ON UNROUNDED NUMBERS. SEE GLOSSARY FOR DEFINITION OF TERMS USED IN THIS REPORT.
NOTE: COLUMN TOTALS WILL NOT SUM TO TOTAL NUMBER OF HOUSEHOLDS BECAUSE 6.8 MILLION HOUSEHOLDS WITH NO MAIN HEATING FUEL OR WITH OTHER MAIN HEATING FUEL, SUCH AS WOOD, WERE NOT INCLUDED.
SOURCE: ENERGY INFORMATION ADMINISTRATION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY END USE DIVISION, FORM EIA-457, THE 1982 RESIDENTIAL ENERGY CONSUMPTION SURVEY.

Average Natural Gas Consumption and Expenditures

Table 4. U.S. Residential Natural Gas Consumption and Expenditures—April 1982 Through March 1983, United States

HOUSEHOLD CHARACTERISTICS	ANY NATURAL GAS USED					NATURAL GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	54.2	86	88	500	5.67	47.5	93	95	531
AREA TYPE									
METROPOLITAN	45.1	85	87	503	5.79	38.8	93	95	540
CENTRAL CITY	23.8	83	84	485	5.75	19.9	91	93	523
OUTSIDE CENTRAL CITY	21.3	88	90	522	5.82	18.9	95	97	558
NON-METROPOLITAN	9.1	92	94	483	5.13	8.7	95	97	493
NATURAL GAS PAID BY HOUSEHOLD									
YES	43.1	92	94	525	5.58	38.7	99	101	555
NO	11.0	64	65	401	6.19	8.7	70	71	428
TYPE OF HOUSING STRUCTURE									
MOBILE HOME	1.1	67	68	331	4.86	1.1	67	69	334
SINGLE FAMILY	36.2	98	100	553	5.51	33.2	104	106	577
2 OR MORE UNITS	16.9	62	63	396	6.27	13.2	70	72	432
NUMBER OF ROOMS									
1 TO 3	7.2	48	49	306	6.25	5.5	54	55	327
4 TO 5	23.6	75	77	428	5.56	21.0	80	82	448
6 OR MORE	23.3	109	112	631	5.66	21.0	117	120	669
MEASURED HEATED SPACE OF RESI-DENCE (IN SQUARE FEET)									
LESS THAN 999	19.8	61	62	361	5.80	16.7	67	68	383
1,000 TO 1,999	22.4	88	90	502	5.60	19.9	94	96	531
2,000 OR MORE	11.9	126	129	727	5.65	10.8	133	136	762
YEAR HOUSE BUILT									
BEFORE 1950	22.1	89	91	532	5.85	18.4	101	103	587
1950 TO 1974	26.7	85	87	484	5.56	24.5	90	91	503
AFTER 1974	5.3	80	82	442	5.39	4.7	83	85	459
OWN/RENT									
OWN	33.2	97	99	557	5.60	29.8	104	106	587
RENT	21.0	69	70	409	5.82	17.7	76	78	438
1981 FAMILY INCOME									
LESS THAN $10,000	17.0	74	75	428	5.70	14.5	82	83	463
$10,000 TO $19,999	15.5	84	86	482	5.64	13.6	91	93	512
$20,000 TO $34,999	8.3	87	89	508	5.70	7.3	94	96	538
$35,000 OR MORE	13.4	105	107	605	5.65	12.2	110	113	631
TOTAL BELOW 100 PERCENT OF POVERTY LINE	8.1	77	79	448	5.68	6.9	85	87	482
TOTAL BELOW 125 PERCENT OF POVERTY LINE	11.5	76	78	445	5.72	9.7	85	87	484
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS	16.4	77	79	445	5.64	14.6	82	84	466
35 TO 59 YEARS	22.5	95	97	547	5.65	19.8	102	104	581
60 YEARS AND OVER	15.2	84	85	488	5.73	13.0	93	95	529

See footnotes at end of table.

Average Natural Gas Consumption and Expenditures

Table 4. (Continued)
United States

HOUSEHOLD CHARACTERISTICS	ANY NATURAL GAS USED					NATURAL GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
HOUSEHOLD MEMBERS									
ONE PERSON	13.3	64	66	380	5.78	11.5	70	71	401
2 TO 4 PEOPLE	34.3	90	92	521	5.67	30.3	97	99	554
5 OR MORE PEOPLE	6.5	112	114	633	5.55	5.7	120	123	672
MAIN HEATING FUEL									
NATURAL GAS	47.5	93	95	531	5.57	47.5	93	95	531
ELECTRICITY	1.5	51	52	293	5.64	-	-	-	-
FUEL OIL OR KEROSENE	4.3	27	28	256	9.22	-	-	-	-
LPG	Q	Q	Q	Q	Q	-	-	-	-
WOOD	.7	54	55	338	6.10	-	-	-	-
OTHER OR NONE	Q	Q	Q	Q	Q	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	47.1	91	93	517	5.57	43.3	95	97	534
ELECTRICITY	4.4	78	80	487	6.08	4.0	82	84	510
FUEL OIL OR KEROSENE	2.7	20	21	218	10.46	Q	Q	Q	Q
OTHER	Q	Q	Q	Q	Q	Q	Q	Q	Q
MAIN HEATING EQUIPMENT USING NATURAL GAS									
CENTRAL WARM AIR FURNACE	29.0	101	103	559	5.45	29.0	101	103	559
STEAM OR HOT-WATER SYSTEM	7.4	102	105	663	6.33	7.4	102	105	663
FLOOR, WALL OR PIPELESS FURNACE	6.5	66	67	335	4.97	6.5	66	67	335
ROOM HEATER	4.2	74	75	425	5.64	4.2	74	75	425
NONE/OTHER	7.0	37	38	279	7.37	.3	67	68	399
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	4.7	105	107	567	5.31	4.5	107	110	583
<2,000 CDD AND 5,500 TO 7,000 HDD	15.2	105	107	594	5.56	13.5	114	116	633
<2,000 CDD AND 4,000 TO 5,499 HDD	14.0	84	86	558	6.53	10.7	101	103	653
<2,000 CDD AND <4,000 HDD	13.4	72	74	366	4.95	12.5	73	75	369
>2,000 CDD AND <4,000 HDD	6.9	66	67	385	5.76	6.3	68	69	395

See footnotes at end of table.

Average Natural Gas Consumption and Expenditures

Table 4. (Continued) Census Region: Northeast

HOUSEHOLD CHARACTERISTICS	ANY NATURAL GAS USED					NATURAL GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	11.6	83	85	619	7.28	7.5	114	116	811
AREA TYPE									
METROPOLITAN	10.9	82	84	627	7.50	6.8	114	116	841
CENTRAL CITY	5.8	72	73	584	7.98	3.1	109	111	849
OUTSIDE CENTRAL CITY	5.1	93	95	674	7.08	3.7	118	121	834
NON-METROPOLITAN	.8	103	106	507	4.81	.7	108	111	528
NATURAL GAS PAID BY HOUSEHOLD									
YES	8.2	92	94	668	7.11	5.5	125	128	882
NO	3.4	62	63	499	7.87	2.1	82	84	623
TYPE OF HOUSING STRUCTURE									
MOBILE HOME	Q	Q	Q	Q	Q	Q	Q	Q	Q
SINGLE FAMILY	6.0	109	111	767	6.88	4.5	135	137	927
2 OR MORE UNITS	5.5	56	57	465	8.19	2.9	83	85	653
NUMBER OF ROOMS									
1 TO 3	2.1	41	41	356	8.60	1.0	61	62	494
4 TO 5	4.0	67	69	507	7.38	2.5	93	95	664
6 OR MORE	5.5	112	114	802	7.04	4.1	138	141	974
MEASURED HEATED SPACE OF RESI-DENCE (IN SQUARE FEET)									
LESS THAN 999	4.3	51	52	416	7.99	2.2	75	77	573
1,000 TO 1,999	4.6	89	91	651	7.13	3.2	116	119	816
2,000 OR MORE	2.8	122	125	873	7.00	2.1	149	152	1049
YEAR HOUSE BUILT									
BEFORE 1950	7.0	74	75	561	7.45	3.9	109	112	789
1950 TO 1974	4.3	94	96	672	7.01	3.2	116	118	807
AFTER 1974	.4	137	140	1067	7.63	.4	137	140	1067
OWN/RENT									
OWN	6.8	99	102	721	7.10	4.9	127	129	897
RENT	4.9	61	62	475	7.67	2.7	89	91	653
1981 FAMILY INCOME									
LESS THAN $10,000	3.6	63	64	470	7.33	2.0	96	98	667
$10,000 TO $19,999	3.5	76	78	567	7.27	2.1	107	109	759
$20,000 TO $34,999	1.8	89	91	650	7.18	1.3	116	119	822
$35,000 OR MORE	2.8	114	117	851	7.29	2.2	133	136	980
TOTAL BELOW 100 PERCENT OF POVERTY LINE	1.6	73	75	535	7.17	.9	108	110	734
TOTAL BELOW 125 PERCENT OF POVERTY LINE	2.6	68	69	505	7.30	1.4	104	106	727
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS	2.8	80	82	608	7.46	1.9	104	106	765
35 TO 59 YEARS	4.9	93	95	681	7.16	3.4	121	124	859
60 YEARS AND OVER	3.9	73	75	547	7.31	2.2	110	112	777
HOUSEHOLD MEMBERS									
ONE PERSON	3.0	57	58	428	7.39	1.8	81	83	573
2 TO 4 PEOPLE	7.3	90	92	668	7.25	4.9	121	123	866
5 OR MORE PEOPLE	1.3	105	108	782	7.27	.9	138	140	985

See footnotes at end of table.

Average Natural Gas Consumption and Expenditures

Table 4. (Continued) Census Region: Northeast

HOUSEHOLD CHARACTERISTICS	ANY NATURAL GAS USED					NATURAL GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS	7.5	114	116	811	7.00	7.5	114	116	811
ELECTRICITY	Q	Q	Q	Q	Q	-	-	-	-
FUEL OIL OR KEROSENE	3.8	27	27	262	9.58	-	-	-	-
LPG	Q	Q	Q	Q	Q	-	-	-	-
WOOD	Q	Q	Q	Q	Q	-	-	-	-
OTHER OR NONE	Q	Q	Q	Q	Q	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	8.7	100	102	719	7.07	7.2	111	114	794
ELECTRICITY	.5	119	122	897	7.37	.3	170	174	1268
FUEL OIL OR KEROSENE	2.5	20	21	221	10.57	Q	Q	Q	Q
OTHER	Q	Q	Q	Q	Q	Q	Q	Q	Q
MAIN HEATING EQUIPMENT USING NATURAL GAS									
CENTRAL WARM AIR FURNACE	3.6	119	122	809	6.65	3.6	119	122	809
STEAM OR HOT-WATER SYSTEM	3.5	107	110	817	7.45	3.5	107	110	817
FLOOR, WALL OR PIPELESS FURNACE	Q	Q	Q	Q	Q	Q	Q	Q	Q
ROOM HEATER	.3	155	159	1015	6.40	.3	155	159	1015
NONE/OTHER	4.2	28	29	271	9.39	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	.2	104	106	813	7.69	Q	Q	Q	Q
<2,000 CDD AND 5,500 TO 7,000 HDD	5.0	92	94	633	6.76	3.7	113	115	754
<2,000 CDD AND 4,000 TO 5,499 HDD	6.5	76	78	603	7.74	3.7	114	116	862
<2,000 CDD AND <4,000 HDD	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Average Natural Gas Consumption and Expenditures

Table 4. (Continued) Census Division: New England

HOUSEHOLD CHARACTERISTICS	ANY NATURAL GAS USED					NATURAL GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	2.0	78	79	670	8.46	1.2	110	112	926
AREA TYPE									
METROPOLITAN	2.0	78	80	675	8.47	1.1	111	113	934
CENTRAL CITY	.9	73	75	634	8.46	.6	93	95	789
OUTSIDE CENTRAL CITY	1.0	82	84	712	8.48	.5	130	133	1097
NON-METROPOLITAN	Q	Q	Q	Q	Q	Q	Q	Q	Q
NATURAL GAS PAID BY HOUSEHOLD									
YES	1.7	78	80	667	8.39	1.0	116	119	968
NO	.4	76	78	686	8.83	.2	84	86	756
TYPE OF HOUSING STRUCTURE									
MOBILE HOME	Q	Q	Q	Q	Q	Q	Q	Q	Q
SINGLE FAMILY	.9	94	96	798	8.28	.5	138	141	1141
2 OR MORE UNITS	1.1	63	65	562	8.70	.7	87	89	755
NUMBER OF ROOMS									
1 TO 3	.2	51	52	494	9.49	.2	57	59	559
4 TO 5	.8	65	66	573	8.64	.5	92	94	783
6 OR MORE	1.0	94	96	792	8.24	.5	143	146	1175
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 999	.5	53	55	503	9.23	.4	67	68	617
1,000 TO 1,999	1.0	74	75	635	8.43	.5	110	112	916
2,000 OR MORE	.5	111	113	916	8.11	.3	163	167	1327
YEAR HOUSE BUILT									
BEFORE 1950	1.5	72	74	620	8.43	.8	111	113	922
1950 TO 1974	.4	96	98	820	8.38	.4	115	117	974
AFTER 1974	Q	Q	Q	Q	Q	Q	Q	Q	Q
OWN/RENT									
OWN	1.3	87	89	738	8.32	0.7	131	134	1084
RENT	.8	63	64	563	8.77	.5	79	80	691
1981 FAMILY INCOME									
LESS THAN $10,000	.5	56	57	501	8.78	.3	84	85	720
$10,000 TO $19,999	.6	64	65	565	8.68	.3	94	96	799
$20,000 TO $34,999	.3	69	70	619	8.82	.2	88	90	787
$35,000 OR MORE	.7	110	112	914	8.15	.5	145	148	1189
TOTAL BELOW 100 PERCENT OF POVERTY LINE	Q	Q	Q	Q	Q	Q	Q	Q	Q
TOTAL BELOW 125 PERCENT OF POVERTY LINE	.3	78	79	648	8.16	.2	105	107	841
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS	.5	65	67	572	8.59	.3	83	84	705
35 TO 59 YEARS	.8	86	88	735	8.34	.5	120	122	999
60 YEARS AND OVER	.8	76	77	661	8.55	.4	117	119	991
HOUSEHOLD MEMBERS									
ONE PERSON	.4	55	56	508	9.11	.3	74	76	676
2 TO 4 PEOPLE	1.4	79	81	684	8.44	.8	119	122	1000
5 OR MORE PEOPLE	.2	115	117	927	7.91	Q	Q	Q	Q

See footnotes at end of table.

Average Natural Gas Consumption and Expenditures

Table 4. (Continued) Census Division: New England

HOUSEHOLD CHARACTERISTICS	ANY NATURAL GAS USED					NATURAL GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS	1.2	110	112	926	8.25	1.2	110	112	926
ELECTRICITY	Q	Q	Q	Q	Q	-	-	-	-
FUEL OIL OR KEROSENE	.8	32	32	305	9.45	-	-	-	-
LPG	Q	Q	Q	Q	Q	-	-	-	-
WOOD	Q	Q	Q	Q	Q	-	-	-	-
OTHER OR NONE	Q	Q	Q	Q	Q	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	1.6	89	91	764	8.38	1.1	111	114	937
ELECTRICITY	Q	Q	Q	Q	Q	Q	Q	Q	Q
FUEL OIL OR KEROSENE	.3	16	17	180	10.83	Q	Q	Q	Q
OTHER	Q	Q	Q	Q	Q	Q	Q	Q	Q
MAIN HEATING EQUIPMENT USING NATURAL GAS									
CENTRAL WARM AIR FURNACE	.4	108	110	909	8.23	.4	108	110	909
STEAM OR HOT-WATER SYSTEM	.6	118	120	994	8.25	.6	118	120	994
FLOOR, WALL OR PIPELESS FURNACE	Q	Q	Q	Q	Q	Q	Q	Q	Q
ROOM HEATER	Q	Q	Q	Q	Q	Q	Q	Q	Q
NONE/OTHER	.9	34	35	333	9.46	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	.2	104	106	813	7.69	Q	Q	Q	Q
<2,000 CDD AND 5,500 TO 7,000 HDD	1.9	75	77	659	8.55	1.1	107	110	914
<2,000 CDD AND 4,000 TO 5,499 HDD	-	-	-	-	-	-	-	-	-
<2,000 CDD AND <4,000 HDD	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Average Natural Gas Consumption and Expenditures

Table 4. (Continued)
Census Division: Middle Atlantic

HOUSEHOLD CHARACTERISTICS	ANY NATURAL GAS USED					NATURAL GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	9.6	85	86	608	7.04	6.3	114	117	789
AREA TYPE									
METROPOLITAN	8.9	83	84	616	7.29	5.7	115	117	822
CENTRAL CITY	4.8	71	73	575	7.88	2.5	113	115	864
OUTSIDE CENTRAL CITY	4.1	96	98	665	6.78	3.2	116	119	789
NON-METROPOLITAN	.7	108	110	503	4.58	.7	110	112	512
NATURAL GAS PAID BY HOUSEHOLD									
YES	6.6	96	98	668	6.84	4.5	127	130	863
NO	3.0	60	62	477	7.72	1.8	82	84	606
TYPE OF HOUSING STRUCTURE									
MOBILE HOME	Q	Q	Q	Q	Q	Q	Q	Q	Q
SINGLE FAMILY	5.1	112	114	761	6.66	4.0	134	137	898
2 OR MORE UNITS	4.4	54	55	441	8.03	2.2	82	83	623
NUMBER OF ROOMS									
1 TO 3	1.9	39	40	339	8.46	.8	62	63	479
4 TO 5	3.2	68	69	490	7.07	2.0	93	95	635
6 OR MORE	4.5	115	118	804	6.83	3.6	137	140	944
MEASURED HEATED SPACE OF RESI-DENCE (IN SQUARE FEET)									
LESS THAN 999	3.7	51	52	404	7.80	1.8	77	79	564
1,000 TO 1,999	3.6	94	96	656	6.84	2.7	117	120	796
2,000 OR MORE	2.3	125	127	864	6.78	1.8	147	150	1005
YEAR HOUSE BUILT									
BEFORE 1950	5.4	74	76	544	7.18	3.1	109	111	757
1950 TO 1974	3.8	94	96	654	6.85	2.9	116	118	786
AFTER 1974	.3	153	156	1149	7.35	.3	153	156	1149
OWN/RENT									
OWN	5.5	102	104	717	6.87	4.2	126	129	865
RENT	4.1	60	62	458	7.45	2.2	92	94	644
1981 FAMILY INCOME									
LESS THAN $10,000	3.0	64	65	465	7.10	1.7	98	100	658
$10,000 TO $19,999	2.9	79	81	568	7.05	1.8	109	112	752
$20,000 TO $34,999	1.6	92	94	654	6.98	1.1	121	123	828
$35,000 OR MORE	2.1	116	118	831	7.03	1.8	131	133	927
TOTAL BELOW 100 PERCENT OF POVERTY LINE	1.5	72	74	523	7.09	.9	108	110	727
TOTAL BELOW 125 PERCENT OF POVERTY LINE	2.3	67	68	488	7.17	1.3	104	106	711
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS	2.4	83	84	616	7.29	1.6	108	110	776
35 TO 59 YEARS	4.1	95	97	671	6.95	2.9	122	124	837
60 YEARS AND OVER	3.1	73	74	519	6.99	1.8	108	110	724
HOUSEHOLD MEMBERS									
ONE PERSON	2.6	57	58	414	7.11	1.5	83	84	553
2 TO 4 PEOPLE	5.9	93	95	664	7.01	4.1	121	124	841
5 OR MORE PEOPLE	1.1	104	106	755	7.14	.7	139	142	975

See footnotes at end of table.

Average Natural Gas Consumption and Expenditures

Table 4. (Continued) Census Division: Middle Atlantic

HOUSEHOLD CHARACTERISTICS	ANY NATURAL GAS USED					NATURAL GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS	6.3	114	117	789	6.77	6.3	114	117	789
ELECTRICITY	Q	Q	Q	Q	Q	-	-	-	-
FUEL OIL OR KEROSENE	3.0	25	26	250	9.62	-	-	-	-
LPG	Q	Q	Q	Q	Q	-	-	-	-
WOOD	Q	Q	Q	Q	Q	-	-	-	-
OTHER OR NONE	Q	Q	Q	Q	Q	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	7.1	102	104	709	6.82	6.1	112	114	768
ELECTRICITY	.3	132	135	959	7.09	.2	207	211	1481
FUEL OIL OR KEROSENE	2.2	21	21	226	10.54	Q	Q	Q	Q
OTHER	Q	Q	Q	Q	Q	Q	Q	Q	Q
MAIN HEATING EQUIPMENT USING NATURAL GAS									
CENTRAL WARM AIR FURNACE	3.2	121	123	796	6.46	3.2	121	123	796
STEAM OR HOT-WATER SYSTEM	2.8	105	107	778	7.25	2.8	105	107	778
FLOOR, WALL OR PIPELESS FURNACE	Q	Q	Q	Q	Q	Q	Q	Q	Q
ROOM HEATER	.2	179	182	1093	6.00	.2	179	182	1093
NONE/OTHER	3.3	26	27	253	9.37	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q
<2,000 CDD AND 5,500 TO 7,000 HDD	3.1	101	104	618	5.97	2.7	115	118	688
<2,000 CDD AND 4,000 TO 5,499 HDD	6.5	76	78	603	7.74	3.7	114	116	862
<2,000 CDD AND <4,000 HDD	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Average Natural Gas Consumption and Expenditures

Table 4. (Continued) Census Region: North Central

HOUSEHOLD CHARACTERISTICS	ANY NATURAL GAS USED					NATURAL GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	16.0	108	110	574	5.21	15.5	110	112	584
AREA TYPE									
METROPOLITAN	12.1	109	111	590	5.31	11.7	111	113	600
CENTRAL CITY	6.2	113	115	618	5.35	6.0	114	116	622
OUTSIDE CENTRAL CITY	5.9	105	107	561	5.25	5.6	108	110	576
NON-METROPOLITAN	3.9	105	107	525	4.89	3.8	107	110	535
NATURAL GAS PAID BY HOUSEHOLD									
YES	12.7	117	119	617	5.18	12.4	118	121	625
NO	3.3	75	76	411	5.38	3.1	77	79	422
TYPE OF HOUSING STRUCTURE									
MOBILE HOME	.2	87	89	386	4.34	.2	87	89	386
SINGLE FAMILY	11.0	119	122	628	5.16	10.7	121	124	638
2 OR MORE UNITS	4.8	83	85	458	5.42	4.6	85	87	469
NUMBER OF ROOMS									
1 TO 3	1.8	64	66	361	5.48	1.7	67	68	373
4 TO 5	7.2	96	98	514	5.27	7.0	97	99	522
6 OR MORE	6.9	132	135	692	5.12	6.8	134	137	701
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 999	5.4	80	82	430	5.26	5.2	82	83	438
1,000 TO 1,999	5.9	107	109	569	5.22	5.7	109	111	579
2,000 OR MORE	4.7	141	144	744	5.16	4.6	143	146	753
YEAR HOUSE BUILT									
BEFORE 1950	7.6	117	119	619	5.18	7.4	119	122	629
1950 TO 1974	7.0	101	103	539	5.25	6.8	103	105	550
AFTER 1974	1.4	96	98	505	5.14	1.3	97	99	508
OWN/RENT									
OWN	10.2	118	121	623	5.15	9.9	120	123	633
RENT	5.8	90	91	488	5.33	5.6	92	93	497
1981 FAMILY INCOME									
LESS THAN $10,000	5.2	97	99	515	5.21	5.1	99	101	526
$10,000 TO $19,999	4.8	106	108	570	5.28	4.7	107	109	575
$20,000 TO $34,999	2.1	109	111	590	5.31	2.0	112	114	606
$35,000 OR MORE	3.9	125	128	649	5.08	3.7	128	131	662
TOTAL BELOW 100 PERCENT OF POVERTY LINE	2.3	100	102	528	5.18	2.3	101	103	533
TOTAL BELOW 125 PERCENT OF POVERTY LINE	3.1	102	104	535	5.15	3.1	103	105	541
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS	4.7	95	97	511	5.27	4.7	96	98	516
35 TO 59 YEARS	6.7	117	120	623	5.20	6.5	119	122	632
60 YEARS AND OVER	4.6	108	110	568	5.16	4.3	111	114	585
HOUSEHOLD MEMBERS									
ONE PERSON	3.9	85	87	458	5.30	3.7	87	89	469
2 TO 4 PEOPLE	10.0	111	114	589	5.19	9.7	113	115	598
5 OR MORE PEOPLE	2.1	135	138	713	5.17	2.1	137	140	724

See footnotes at end of table.

Average Natural Gas Consumption and Expenditures

Table 4. (Continued) Census Region: North Central

HOUSEHOLD CHARACTERISTICS	ANY NATURAL GAS USED					NATURAL GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS	15.5	110	112	584	5.20	15.5	110	112	584
ELECTRICITY	.2	38	39	223	5.74	-	-	-	-
FUEL OIL OR KEROSENE	.2	40	41	242	5.90	-	-	-	-
LPG	Q	Q	Q	Q	Q	-	-	-	-
WOOD	.2	59	60	335	5.57	-	-	-	-
OTHER OR NONE	Q	Q	Q	Q	Q	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	14.7	110	112	581	5.20	14.2	112	114	592
ELECTRICITY	1.3	90	92	491	5.33	1.3	91	93	494
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER	Q	Q	Q	Q	Q	Q	Q	Q	Q
MAIN HEATING EQUIPMENT USING NATURAL GAS									
CENTRAL WARM AIR FURNACE	11.3	114	117	611	5.23	11.3	114	117	611
STEAM OR HOT-WATER SYSTEM	2.9	101	103	542	5.25	2.9	101	103	542
FLOOR, WALL OR PIPELESS FURNACE	.7	89	91	428	4.69	.7	89	91	428
ROOM HEATER	.6	96	98	476	4.86	.6	96	98	476
NONE/OTHER	.5	46	47	267	5.72	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	3.4	101	103	576	5.59	3.3	103	105	585
<2,000 CDD AND 5,500 TO 7,000 HDD	9.4	112	114	582	5.10	9.0	114	117	595
<2,000 CDD AND 4,000 TO 5,499 HDD	3.2	104	107	547	5.13	3.1	105	108	551
<2,000 CDD AND <4,000 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q
>2,000 CDD AND <4,000 HDD	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Average Natural Gas Consumption and Expenditures

Table 4. (Continued) Census Division: East North Central

HOUSEHOLD CHARACTERISTICS	ANY NATURAL GAS USED					NATURAL GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	11.1	109	111	588	5.27	10.8	111	114	599
AREA TYPE									
METROPOLITAN	9.2	111	114	596	5.25	8.9	113	116	607
CENTRAL CITY	4.5	118	120	640	5.32	4.4	119	121	646
OUTSIDE CENTRAL CITY	4.7	105	107	553	5.16	4.5	108	110	568
NON-METROPOLITAN	1.9	99	101	549	5.42	1.9	102	104	562
NATURAL GAS PAID BY HOUSEHOLD									
YES	8.6	120	122	643	5.26	8.4	121	124	650
NO	2.6	73	75	402	5.36	2.3	76	78	415
TYPE OF HOUSING STRUCTURE									
MOBILE HOME	Q	Q	Q	Q	Q	Q	Q	Q	Q
SINGLE FAMILY	7.3	122	125	654	5.24	7.1	124	127	663
2 OR MORE UNITS	3.8	85	86	465	5.39	3.6	87	89	477
NUMBER OF ROOMS									
1 TO 3	1.3	64	66	358	5.46	1.2	68	69	375
4 TO 5	5.2	96	98	527	5.38	5.0	97	99	534
6 OR MORE	4.7	136	139	717	5.17	4.6	138	141	727
MEASURED HEATED SPACE OF RESI-DENCE (IN SQUARE FEET)									
LESS THAN 999	4.0	80	82	442	5.39	3.8	82	84	453
1,000 TO 1,999	4.0	108	111	592	5.35	3.9	110	113	603
2,000 OR MORE	3.1	147	150	768	5.12	3.1	148	151	774
YEAR HOUSE BUILT									
BEFORE 1950	5.7	117	119	631	5.29	5.5	119	121	642
1950 TO 1974	4.6	103	105	554	5.25	4.4	106	108	567
AFTER 1974	.9	91	92	487	5.26	.9	91	93	491
OWN/RENT									
OWN	6.6	122	124	650	5.23	6.4	124	126	661
RENT	4.6	91	93	497	5.36	4.4	93	95	509
1981 FAMILY INCOME									
LESS THAN $10,000	4.0	97	99	526	5.31	3.9	99	101	537
$10,000 TO $19,999	3.4	107	109	585	5.36	3.3	108	110	592
$20,000 TO $34,999	1.3	111	113	610	5.39	1.2	115	117	629
$35,000 OR MORE	2.5	130	133	679	5.09	2.4	134	137	695
TOTAL BELOW 100 PERCENT OF POVERTY LINE	1.8	103	105	552	5.25	1.8	104	106	555
TOTAL BELOW 125 PERCENT OF POVERTY LINE	2.4	103	105	552	5.25	2.3	104	106	555
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS	3.2	97	99	530	5.37	3.2	98	100	535
35 TO 59 YEARS	4.6	119	122	632	5.20	4.4	121	124	645
60 YEARS AND OVER	3.3	108	110	583	5.30	3.2	111	114	601
HOUSEHOLD MEMBERS									
ONE PERSON	2.7	86	88	474	5.38	2.6	89	91	489
2 TO 4 PEOPLE	6.8	112	115	603	5.27	6.6	114	116	613
5 OR MORE PEOPLE	1.6	135	138	714	5.19	1.6	137	140	726

See footnotes at end of table.

Average Natural Gas Consumption and Expenditures

Table 4. (Continued)
Census Division: East North Central

HOUSEHOLD CHARACTERISTICS	ANY NATURAL GAS USED					NATURAL GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS	10.8	111	114	599	5.27	10.8	111	114	599
ELECTRICITY	.2	40	41	228	5.60	-	-	-	-
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	-	-	-	-
LPG	Q	Q	Q	Q	Q	-	-	-	-
WOOD	Q	Q	Q	Q	Q	-	-	-	-
OTHER OR NONE	Q	Q	Q	Q	Q	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	10.1	111	114	597	5.25	9.8	114	116	609
ELECTRICITY	1.0	87	89	493	5.57	1.0	88	89	498
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER	Q	Q	Q	Q	Q	Q	Q	Q	Q
MAIN HEATING EQUIPMENT USING NATURAL GAS									
CENTRAL WARM AIR FURNACE	7.6	118	120	635	5.27	7.6	118	120	635
STEAM OR HOT-WATER SYSTEM	2.3	100	102	536	5.23	2.3	100	102	536
FLOOR, WALL OR PIPELESS FURNACE	.4	80	81	441	5.42	.4	80	81	441
ROOM HEATER	.4	86	88	468	5.33	.4	86	88	468
NONE/OTHER	.4	42	43	243	5.65	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	1.7	96	98	573	5.82	1.7	97	99	578
<2,000 CDD AND 5,500 TO 7,000 HDD	8.3	112	115	591	5.15	7.9	115	118	605
<2,000 CDD AND 4,000 TO 5,499 HDD	1.2	105	107	588	5.48	1.2	105	107	588
<2,000 CDD AND <4,000 HDD	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Average Natural Gas Consumption and Expenditures

Table 4. (Continued) Census Division: West North Central

HOUSEHOLD CHARACTERISTICS	ANY NATURAL GAS USED					NATURAL GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	4.8	105	107	542	5.04	4.7	107	109	549
AREA TYPE									
METROPOLITAN	2.9	101	103	569	5.51	2.8	103	105	577
CENTRAL CITY	1.6	100	102	555	5.45	1.6	100	102	556
OUTSIDE CENTRAL CITY	1.2	103	105	588	5.59	1.2	106	108	606
NON-METROPOLITAN	2.0	111	113	502	4.42	1.9	113	115	508
NATURAL GAS PAID BY HOUSEHOLD									
YES	4.1	110	113	562	4.98	3.9	112	114	569
NO	.8	79	80	439	5.47	.8	80	81	444
TYPE OF HOUSING STRUCTURE									
MOBILE HOME	Q	Q	Q	Q	Q	Q	Q	Q	Q
SINGLE FAMILY	3.7	114	116	579	4.98	3.6	116	118	588
2 OR MORE UNITS	1.0	76	78	434	5.56	1.0	77	79	437
NUMBER OF ROOMS									
1 TO 3	.6	65	66	366	5.52	.5	66	67	370
4 TO 5	2.0	94	96	482	5.01	2.0	96	98	489
6 OR MORE	2.3	125	128	639	5.01	2.2	127	130	648
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 999	1.4	79	81	398	4.91	1.4	80	82	399
1,000 TO 1,999	1.8	104	106	519	4.90	1.8	105	108	527
2,000 OR MORE	1.6	130	133	696	5.24	1.5	133	136	712
YEAR HOUSE BUILT									
BEFORE 1950	1.9	118	120	582	4.84	1.8	120	123	592
1950 TO 1974	2.4	95	97	512	5.26	2.4	97	99	518
AFTER 1974	.5	106	108	537	4.95	.5	107	109	540
OWN/RENT									
OWN	3.6	112	115	573	5.00	3.5	114	117	582
RENT	1.2	85	87	452	5.21	1.2	86	87	455
1981 FAMILY INCOME									
LESS THAN $10,000	1.3	96	98	479	4.89	1.2	99	101	490
$10,000 TO $19,999	1.4	103	105	533	5.08	1.3	103	105	534
$20,000 TO $34,999	.8	106	108	560	5.19	.8	108	110	571
$35,000 OR MORE	1.4	116	118	597	5.05	1.3	117	120	604
TOTAL BELOW 100 PERCENT OF POVERTY LINE	.5	89	91	443	4.88	.5	92	94	456
TOTAL BELOW 125 PERCENT OF POVERTY LINE	.8	98	100	482	4.84	.7	101	103	496
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS	1.5	91	93	468	5.04	1.5	92	94	474
35 TO 59 YEARS	2.1	114	116	602	5.18	2.1	115	117	606
60 YEARS AND OVER	1.2	108	110	526	4.79	1.2	112	114	542
HOUSEHOLD MEMBERS									
ONE PERSON	1.1	81	82	419	5.08	1.1	81	83	421
2 TO 4 PEOPLE	3.3	109	111	559	5.02	3.1	111	113	568
5 OR MORE PEOPLE	.5	136	139	710	5.10	.5	137	140	717

See footnotes at end of table.

Average Natural Gas Consumption and Expenditures

Table 4. (Continued)
Census Division: West North Central

HOUSEHOLD CHARACTERISTICS	ANY NATURAL GAS USED					NATURAL GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS	4.7	107	109	549	5.03	4.7	107	109	549
ELECTRICITY	Q	Q	Q	Q	Q	-	-	-	-
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	-	-	-	-
LPG	Q	Q	Q	Q	Q	-	-	-	-
WOOD	Q	Q	Q	Q	Q	-	-	-	-
OTHER OR NONE	Q	Q	Q	Q	Q	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	4.5	105	108	546	5.07	4.4	107	110	554
ELECTRICITY	.3	101	104	483	4.66	.3	101	104	483
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER	Q	Q	Q	Q	Q	Q	Q	Q	Q
MAIN HEATING EQUIPMENT USING NATURAL GAS									
CENTRAL WARM AIR FURNACE	3.6	107	109	561	5.13	3.6	107	109	561
STEAM OR HOT-WATER SYSTEM	.5	105	107	569	5.32	.5	105	107	569
FLOOR, WALL OR PIPELESS FURNACE	.3	103	106	410	3.88	.3	103	106	410
ROOM HEATER	.2	118	121	495	4.09	.2	118	121	495
NONE/OTHER	.2	53	55	318	5.83	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	1.7	105	108	579	5.38	1.7	108	110	592
<2,000 CDD AND 5,500 TO 7,000 HDD	1.1	107	110	517	4.72	1.1	108	110	520
<2,000 CDD AND 4,000 TO 5,499 HDD	2.0	104	106	523	4.93	1.9	106	108	529
<2,000 CDD AND <4,000 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q
>2,000 CDD AND <4,000 HDD	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Average Natural Gas Consumption and Expenditures

Table 4. (Continued)
Census Region: South

HOUSEHOLD CHARACTERISTICS	ANY NATURAL GAS USED					NATURAL GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	14.5	76	78	436	5.62	13.3	79	81	451
AREA TYPE									
METROPOLITAN	11.0	77	78	436	5.58	10.0	80	82	454
CENTRAL CITY	6.0	77	78	403	5.15	5.6	79	80	411
OUTSIDE CENTRAL CITY	5.0	76	78	476	6.10	4.4	82	84	508
NON-METROPOLITAN	3.5	75	76	437	5.74	3.4	76	77	443
NATURAL GAS PAID BY HOUSEHOLD									
YES	12.2	80	82	453	5.53	11.3	83	85	468
NO	2.3	54	55	346	6.33	2.0	55	57	357
TYPE OF HOUSING STRUCTURE									
MOBILE HOME	.3	54	55	320	5.85	.3	54	55	320
SINGLE FAMILY	11.0	84	86	473	5.50	10.2	87	89	488
2 OR MORE UNITS	3.3	51	52	324	6.25	2.9	53	54	333
NUMBER OF ROOMS									
1 TO 3	1.5	45	46	273	5.97	1.3	46	47	278
4 TO 5	6.5	66	67	376	5.58	6.0	68	69	384
6 OR MORE	6.6	93	95	532	5.61	6.0	98	100	557
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 999	5.4	55	56	328	5.83	4.9	57	59	338
1,000 TO 1,999	6.7	79	80	440	5.47	6.0	82	84	455
2,000 OR MORE	2.5	114	117	661	5.67	2.3	117	119	674
YEAR HOUSE BUILT									
BEFORE 1950	4.3	77	78	454	5.78	4.0	80	82	472
1950 TO 1974	8.7	77	79	437	5.54	8.1	80	81	448
AFTER 1974	1.6	68	69	388	5.62	1.3	72	73	406
OWN/RENT									
OWN	9.3	83	85	472	5.56	8.5	87	88	488
RENT	5.3	63	65	373	5.77	4.8	66	67	384
1981 FAMILY INCOME									
LESS THAN $10,000	4.8	64	65	382	5.89	4.4	66	67	392
$10,000 TO $19,999	3.8	78	80	433	5.44	3.5	81	83	447
$20,000 TO $34,999	2.4	78	79	440	5.56	2.2	81	83	457
$35,000 OR MORE	3.5	90	92	513	5.57	3.1	95	97	536
TOTAL BELOW 100 PERCENT OF POVERTY LINE	2.7	63	64	375	5.84	2.5	65	66	381
TOTAL BELOW 125 PERCENT OF POVERTY LINE	3.6	65	66	388	5.88	3.3	67	68	396
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS	4.7	67	69	385	5.61	4.1	70	72	398
35 TO 59 YEARS	6.1	83	85	474	5.58	5.7	87	89	491
60 YEARS AND OVER	3.8	75	77	439	5.72	3.5	77	79	448
HOUSEHOLD MEMBERS									
ONE PERSON	3.4	57	58	345	5.93	3.2	58	59	350
2 TO 4 PEOPLE	9.3	79	81	452	5.61	8.4	83	85	470
5 OR MORE PEOPLE	1.9	96	98	526	5.35	1.7	100	103	549

See footnotes at end of table.

Average Natural Gas Consumption and Expenditures

Table 4. (Continued)
Census Region: South

HOUSEHOLD CHARACTERISTICS	ANY NATURAL GAS USED					NATURAL GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS	13.3	79	81	451	5.58	13.3	79	81	451
ELECTRICITY	.6	48	49	298	6.13	-	-	-	-
FUEL OIL OR KEROSENE	.3	26	27	204	7.66	-	-	-	-
LPG	Q	Q	Q	Q	Q	-	-	-	-
WOOD	.2	53	54	329	6.12	-	-	-	-
OTHER OR NONE	Q	Q	Q	Q	Q	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	12.4	79	80	445	5.54	11.4	82	83	458
ELECTRICITY	2.0	64	66	405	6.19	1.9	65	66	413
FUEL OIL OR KEROSENE	.2	20	20	175	8.66	Q	Q	Q	Q
OTHER	Q	Q	Q	Q	Q	Q	Q	Q	Q
MAIN HEATING EQUIPMENT USING NATURAL GAS									
CENTRAL WARM AIR FURNACE	8.2	86	88	488	5.53	8.2	86	88	488
STEAM OR HOT-WATER SYSTEM	.5	83	85	567	6.68	.5	83	85	567
FLOOR, WALL OR PIPELESS FURNACE	1.8	66	68	357	5.28	1.8	66	68	357
ROOM HEATER	2.6	65	66	385	5.84	2.6	65	66	385
NONE/OTHER	1.4	47	48	286	5.99	.2	73	75	343
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	-	-	-	-	-	-	-	-	-
<2,000 CDD AND 5,500 TO 7,000 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q
<2,000 CDD AND 4,000 TO 5,499 HDD	3.1	86	87	549	6.28	2.7	94	96	596
<2,000 CDD AND <4,000 HDD	5.1	82	83	423	5.07	4.9	83	85	428
>2,000 CDD AND <4,000 HDD	6.4	67	68	394	5.75	5.8	69	71	404

See footnotes at end of table.

Average Natural Gas Consumption and Expenditures

Table 4. (Continued) Census Division: South Atlantic

HOUSEHOLD CHARACTERISTICS	ANY NATURAL GAS USED					NATURAL GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	5.3	76	77	501	6.48	4.6	83	84	543
AREA TYPE									
METROPOLITAN	4.5	77	78	512	6.53	3.9	84	86	558
CENTRAL CITY	2.0	73	74	484	6.52	1.7	78	80	515
OUTSIDE CENTRAL CITY	2.5	80	82	533	6.53	2.2	90	91	592
NON-METROPOLITAN	.8	69	70	438	6.22	.7	73	75	462
NATURAL GAS PAID BY HOUSEHOLD									
YES	3.9	82	84	535	6.39	3.4	90	92	585
NO	1.4	58	59	404	6.87	1.2	61	63	428
TYPE OF HOUSING STRUCTURE									
MOBILE HOME	Q	Q	Q	Q	Q	Q	Q	Q	Q
SINGLE FAMILY	3.6	86	88	560	6.36	3.2	94	96	605
2 OR MORE UNITS	1.6	52	53	373	6.98	1.4	57	59	405
NUMBER OF ROOMS									
1 TO 3	.5	33	34	249	7.36	.5	36	37	268
4 TO 5	2.1	64	66	431	6.55	1.9	69	71	461
6 OR MORE	2.6	93	95	609	6.38	2.3	103	105	668
MEASURED HEATED SPACE OF RESI-DENCE (IN SQUARE FEET)									
LESS THAN 999	1.9	52	54	362	6.77	1.6	58	59	397
1,000 TO 1,999	2.2	76	77	493	6.38	1.9	84	85	537
2,000 OR MORE	1.2	113	116	738	6.38	1.1	117	119	760
YEAR HOUSE BUILT									
BEFORE 1950	1.7	77	78	500	6.37	1.4	85	87	550
1950 TO 1974	3.1	77	79	511	6.50	2.7	83	85	547
AFTER 1974	.6	65	67	448	6.74	.5	73	74	497
OWN/RENT									
OWN	3.2	86	88	561	6.39	2.7	94	96	611
RENT	2.1	60	62	412	6.68	1.9	66	67	443
1981 FAMILY INCOME									
LESS THAN $10,000	1.6	66	67	445	6.60	1.3	72	74	483
$10,000 TO $19,999	1.4	79	81	509	6.31	1.2	87	89	558
$20,000 TO $34,999	.9	73	75	483	6.45	.8	79	80	515
$35,000 OR MORE	1.4	85	86	566	6.56	1.3	91	93	608
TOTAL BELOW 100 PERCENT OF POVERTY LINE	.9	62	63	422	6.66	.7	68	70	458
TOTAL BELOW 125 PERCENT OF POVERTY LINE	1.1	65	67	444	6.68	.9	71	73	480
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS	1.8	64	65	434	6.65	1.4	73	74	487
35 TO 59 YEARS	2.3	83	85	542	6.39	2.1	89	91	579
60 YEARS AND OVER	1.3	78	80	517	6.48	1.1	83	85	548
HOUSEHOLD MEMBERS									
ONE PERSON	1.4	58	59	394	6.69	1.3	60	61	407
2 TO 4 PEOPLE	3.4	78	80	515	6.44	2.8	88	89	570
5 OR MORE PEOPLE	.5	104	106	679	6.39	.5	115	117	745

See footnotes at end of table.

Average Natural Gas Consumption and Expenditures

Table 4. (Continued) Census Division: South Atlantic

HOUSEHOLD CHARACTERISTICS	ANY NATURAL GAS USED					NATURAL GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS	4.6	83	84	543	6.43	4.6	83	84	543
ELECTRICITY	.2	31	32	246	7.76	-	-	-	-
FUEL OIL OR KEROSENE	.3	25	26	199	7.81	-	-	-	-
LPG	Q	Q	Q	Q	Q	-	-	-	-
WOOD	Q	Q	Q	Q	Q	-	-	-	-
OTHER OR NONE	Q	Q	Q	Q	Q	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	4.3	79	81	520	6.43	3.8	85	87	557
ELECTRICITY	.9	69	70	468	6.68	.8	73	74	492
FUEL OIL OR KEROSENE	.2	20	20	175	8.66	Q	Q	Q	Q
OTHER	Q	Q	Q	Q	Q	Q	Q	Q	Q
MAIN HEATING EQUIPMENT USING NATURAL GAS									
CENTRAL WARM AIR FURNACE	3.1	90	92	586	6.39	3.1	90	92	586
STEAM OR HOT-WATER SYSTEM	.4	89	91	628	6.93	.4	89	91	628
FLOOR, WALL OR PIPELESS FURNACE	.5	59	60	388	6.50	.5	59	60	388
ROOM HEATER	.6	62	63	389	6.16	.6	62	63	389
NONE/OTHER	.7	30	30	227	7.46	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	-	-	-	-	-	-	-	-	-
<2,000 CDD AND 5,500 TO 7,000 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q
<2,000 CDD AND 4,000 TO 5,499 HDD	2.4	82	83	561	6.74	2.1	92	93	624
<2,000 CDD AND <4,000 HDD	2.1	84	86	524	6.13	2.0	87	89	541
>2,000 CDD AND <4,000 HDD	.7	31	32	225	7.02	.5	34	34	233

See footnotes at end of table.

Average Natural Gas Consumption and Expenditures

Table 4. (Continued) Census Division: East South Central

HOUSEHOLD CHARACTERISTICS	ANY NATURAL GAS USED					NATURAL GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	2.6	73	75	397	5.32	2.5	74	75	399
AREA TYPE									
METROPOLITAN	1.7	66	68	374	5.51	1.6	67	68	376
CENTRAL CITY	1.0	61	63	336	5.37	1.0	61	63	336
OUTSIDE CENTRAL CITY	.7	74	75	427	5.67	.6	75	77	436
NON-METROPOLITAN	.9	85	86	438	5.06	.9	85	87	440
NATURAL GAS PAID BY HOUSEHOLD									
YES	2.3	75	77	407	5.29	2.2	76	78	410
NO	.3	56	57	319	5.59	.3	56	57	319
TYPE OF HOUSING STRUCTURE									
MOBILE HOME	Q	Q	Q	Q	Q	Q	Q	Q	Q
SINGLE FAMILY	1.8	83	85	448	5.28	1.7	84	86	454
2 OR MORE UNITS	.7	50	51	277	5.40	.7	50	51	277
NUMBER OF ROOMS									
1 TO 3	.3	47	48	267	5.53	.3	47	48	267
4 TO 5	1.2	64	66	361	5.50	1.1	65	66	363
6 OR MORE	1.1	90	92	473	5.16	1.1	91	92	477
MEASURED HEATED SPACE OF RESI-DENCE (IN SQUARE FEET)									
LESS THAN 999	1.1	56	57	317	5.58	1.1	56	57	317
1,000 TO 1,999	1.0	76	78	412	5.30	1.0	77	78	415
2,000 OR MORE	.5	109	112	562	5.03	.4	112	114	572
YEAR HOUSE BUILT									
BEFORE 1950	.8	88	90	458	5.10	.7	89	91	464
1950 TO 1974	1.7	67	69	373	5.42	1.6	68	69	375
AFTER 1974	.2	62	63	358	5.64	.2	62	63	358
OWN/RENT									
OWN	1.5	84	86	450	5.26	1.5	84	86	452
RENT	1.1	58	59	323	5.44	1.1	59	60	325
1981 FAMILY INCOME									
LESS THAN $10,000	1.1	67	69	372	5.41	1.1	68	69	375
$10,000 TO $19,999	.7	71	72	388	5.39	.7	71	72	388
$20,000 TO $34,999	.6	78	80	406	5.10	.5	79	81	410
$35,000 OR MORE	.3	93	95	508	5.33	.2	94	96	514
TOTAL BELOW 100 PERCENT OF POVERTY LINE	.5	70	71	385	5.41	.5	70	72	388
TOTAL BELOW 125 PERCENT OF POVERTY LINE	.7	68	70	385	5.52	.7	69	70	387
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS	.9	63	64	339	5.31	.8	63	64	339
35 TO 59 YEARS	.9	77	79	426	5.39	.9	78	80	429
60 YEARS AND OVER	.8	80	82	430	5.26	.8	80	82	430
HOUSEHOLD MEMBERS									
ONE PERSON	.8	57	58	313	5.40	.8	56	57	311
2 TO 4 PEOPLE	1.6	79	81	430	5.31	1.5	80	82	433
5 OR MORE PEOPLE	.3	86	88	456	5.21	.2	88	89	466

See footnotes at end of table.

Average Natural Gas Consumption and Expenditures

Table 4. (Continued) Census Division: East South Central

HOUSEHOLD CHARACTERISTICS	ANY NATURAL GAS USED					NATURAL GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS	2.5	74	75	399	5.32	2.5	74	75	399
ELECTRICITY	Q	Q	Q	Q	Q	-	-	-	-
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	-	-	-	-
LPG	Q	Q	Q	Q	Q	-	-	-	-
WOOD	Q	Q	Q	Q	Q	-	-	-	-
OTHER OR NONE	Q	Q	Q	Q	Q	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	1.9	79	80	421	5.23	1.8	79	81	424
ELECTRICITY	.7	58	60	336	5.62	.7	59	60	337
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER	Q	Q	Q	Q	Q	Q	Q	Q	Q
MAIN HEATING EQUIPMENT USING NATURAL GAS									
CENTRAL WARM AIR FURNACE	1.6	74	75	397	5.26	1.6	74	75	397
STEAM OR HOT-WATER SYSTEM	Q	Q	Q	Q	Q	Q	Q	Q	Q
FLOOR, WALL OR PIPELESS FURNACE	.4	64	66	373	5.66	.4	64	66	373
ROOM HEATER	.5	81	83	440	5.31	.5	81	83	440
NONE/OTHER	Q	Q	Q	Q	Q	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	-	-	-	-	-	-	-	-	-
<2,000 CDD AND 5,500 TO 7,000 HDD	-	-	-	-	-	-	-	-	-
<2,000 CDD AND 4,000 TO 5,499 HDD	.6	102	104	498	4.78	.6	102	104	497
<2,000 CDD AND <4,000 HDD	1.4	63	64	357	5.58	1.4	63	64	359
>2,000 CDD AND <4,000 HDD	.6	68	69	387	5.57	.6	70	7[illegible]	395

See footnotes at end of table.

Average Natural Gas Consumption and Expenditures

Table 4. (Continued) Census Division: West South Central

HOUSEHOLD CHARACTERISTICS	ANY NATURAL GAS USED					NATURAL GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	6.6	78	79	401	5.06	6.2	79	80	404
AREA TYPE									
METROPOLITAN	4.8	80	81	387	4.75	4.5	82	83	392
CENTRAL CITY	3.0	84	86	372	4.34	2.9	85	87	374
OUTSIDE CENTRAL CITY	1.8	73	74	413	5.57	1.6	75	77	425
NON-METROPOLITAN	1.8	72	73	437	5.96	1.7	72	73	436
NATURAL GAS PAID BY HOUSEHOLD									
YES	6.0	81	83	418	5.05	5.7	82	84	421
NO	.6	43	44	226	5.16	.5	39	40	196
TYPE OF HOUSING STRUCTURE									
MOBILE HOME	Q	Q	Q	Q	Q	Q	Q	Q	Q
SINGLE FAMILY	5.6	83	85	423	5.00	5.3	84	86	428
2 OR MORE UNITS	.9	48	49	272	5.52	.8	46	47	256
NUMBER OF ROOMS									
1 TO 3	.6	54	55	297	5.40	.5	54	55	293
4 TO 5	3.2	68	69	345	4.98	3.0	68	69	342
6 OR MORE	2.9	93	95	484	5.08	2.6	96	98	496
MEASURED HEATED SPACE OF RESI-DENCE (IN SQUARE FEET)									
LESS THAN 999	2.3	57	58	305	5.22	2.2	58	59	305
1,000 TO 1,999	3.5	81	83	415	4.99	3.2	83	85	419
2,000 OR MORE	.8	119	121	609	5.03	.8	119	122	612
YEAR HOUSE BUILT									
BEFORE 1950	1.8	72	74	411	5.56	1.8	73	75	413
1950 TO 1974	3.9	81	83	406	4.88	3.7	82	84	408
AFTER 1974	.8	71	72	353	4.88	.6	74	76	354
OWN/RENT									
OWN	4.6	81	83	419	5.05	4.3	83	84	423
RENT	2.0	69	71	360	5.08	1.8	70	71	359
1981 FAMILY INCOME									
LESS THAN $10,000	2.1	60	61	342	5.59	2.0	60	61	342
$10,000 TO $19,999	1.7	80	82	390	4.76	1.7	80	82	388
$20,000 TO $34,999	.9	82	83	419	5.04	.8	85	87	431
$35,000 OR MORE	1.8	94	96	472	4.90	1.6	97	100	484
TOTAL BELOW 100 PERCENT OF POVERTY LINE	1.3	61	62	340	5.46	1.3	60	62	337
TOTAL BELOW 125 PERCENT OF POVERTY LINE	1.8	63	64	353	5.49	1.7	63	64	352
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS	2.0	72	74	363	4.91	1.8	72	73	355
35 TO 59 YEARS	2.9	85	87	435	5.01	2.7	88	90	445
60 YEARS AND OVER	1.7	71	72	385	5.33	1.6	72	73	389
HOUSEHOLD MEMBERS									
ONE PERSON	1.2	57	58	311	5.39	1.1	57	58	313
2 TO 4 PEOPLE	4.4	79	81	410	5.07	4.1	81	82	414
5 OR MORE PEOPLE	1.1	95	97	463	4.79	1.0	97	99	472

See footnotes at end of table.

Average Natural Gas Consumption and Expenditures

Table 4. (Continued) Census Division: West South Central

HOUSEHOLD CHARACTERISTICS	ANY NATURAL GAS USED					NATURAL GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS	6.2	79	80	404	5.02	6.2	79	80	404
ELECTRICITY	.3	58	60	333	5.59	-	-	-	-
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	-	-	-	-
LPG	Q	Q	Q	Q	Q	-	-	-	-
WOOD	Q	Q	Q	Q	Q	-	-	-	-
OTHER OR NONE	Q	Q	Q	Q	Q	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	6.3	78	80	401	5.02	5.9	80	82	405
ELECTRICITY	.3	65	66	391	5.91	.3	60	61	382
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER	Q	Q	Q	Q	Q	Q	Q	Q	Q
MAIN HEATING EQUIPMENT USING NATURAL GAS									
CENTRAL WARM AIR FURNACE	3.5	89	91	443	4.87	3.5	89	91	443
STEAM OR HOT-WATER SYSTEM	Q	Q	Q	Q	Q	Q	Q	Q	Q
FLOOR, WALL OR PIPELESS FURNACE	.8	72	74	329	4.46	.8	72	74	329
ROOM HEATER	1.6	61	62	367	5.93	1.6	61	62	367
NONE/OTHER	.6	65	66	349	5.28	.2	73	75	343
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	-	-	-	-	-	-	-	-	-
<2,000 CDD AND 5,500 TO 7,000 HDD	-	-	-	-	-	-	-	-	-
<2,000 CDD AND 4,000 TO 5,499 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q
<2,000 CDD AND <4,000 HDD	1.6	95	97	342	3.53	1.5	95	97	341
>2,000 CDD AND <4,000 HDD	5.0	72	74	419	5.69	4.6	73	75	425

See footnotes at end of table.

Average Natural Gas Consumption and Expenditures

Table 4. (Continued)
Census Region: West

HOUSEHOLD CHARACTERISTICS	ANY NATURAL GAS USED					NATURAL GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	12.0	73	74	361	4.85	11.1	74	76	365
AREA TYPE									
METROPOLITAN	11.1	71	73	354	4.88	10.3	72	73	357
CENTRAL CITY	5.9	68	69	333	4.82	5.2	68	70	334
OUTSIDE CENTRAL CITY	5.3	75	76	377	4.93	5.1	76	77	380
NON-METROPOLITAN	.8	97	99	457	4.62	.8	101	103	472
NATURAL GAS PAID BY HOUSEHOLD									
YES	10.0	76	77	377	4.87	9.6	77	78	380
NO	2.0	59	60	282	4.71	1.6	57	59	273
TYPE OF HOUSING STRUCTURE									
MOBILE HOME	.5	65	66	319	4.82	.5	66	67	326
SINGLE FAMILY	8.2	81	83	405	4.86	7.8	83	85	410
2 OR MORE UNITS	3.3	53	54	260	4.83	2.9	51	52	248
NUMBER OF ROOMS									
1 TO 3	1.8	43	44	219	5.02	1.6	43	44	218
4 TO 5	5.9	66	68	326	4.81	5.5	66	68	324
6 OR MORE	4.3	95	97	469	4.86	4.1	96	98	474
MEASURED HEATED SPACE OF RESI-DENCE (IN SQUARE FEET)									
LESS THAN 999	4.8	54	56	269	4.84	4.4	55	56	271
1,000 TO 1,999	5.4	77	78	378	4.83	5.0	78	80	385
2,000 OR MORE	1.9	109	111	548	4.92	1.7	110	112	548
YEAR HOUSE BUILT									
BEFORE 1950	3.3	74	75	377	5.01	3.1	75	77	382
1950 TO 1974	6.7	74	75	366	4.85	6.4	75	76	369
AFTER 1974	2.0	68	69	317	4.57	1.6	68	70	315
OWN/RENT									
OWN	6.9	83	85	411	4.83	6.5	84	86	412
RENT	5.1	59	60	293	4.89	4.6	60	61	299
1981 FAMILY INCOME									
LESS THAN $10,000	3.4	63	64	314	4.86	3.0	66	67	326
$10,000 TO $19,999	3.4	67	68	330	4.81	3.3	68	70	336
$20,000 TO $34,999	1.9	75	76	371	4.85	1.9	75	77	370
$35,000 OR MORE	3.2	88	90	438	4.88	3.0	87	89	431
TOTAL BELOW 100 PERCENT OF POVERTY LINE	1.5	73	75	365	4.88	1.2	81	82	399
TOTAL BELOW 125 PERCENT OF POVERTY LINE	2.2	69	70	344	4.89	1.9	73	75	365
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS	4.2	67	68	328	4.83	3.9	67	69	331
35 TO 59 YEARS	4.7	80	82	395	4.83	4.2	82	83	401
60 YEARS AND OVER	3.0	71	72	356	4.93	3.0	71	73	358
HOUSEHOLD MEMBERS									
ONE PERSON	3.1	54	55	271	4.90	2.8	52	53	260
2 TO 4 PEOPLE	7.6	76	77	374	4.85	7.2	77	79	381
5 OR MORE PEOPLE	1.3	102	104	499	4.80	1.1	106	109	520

See footnotes at end of table.

Average Natural Gas Consumption and Expenditures

Table 4. (Continued)
Census Region: West

HOUSEHOLD CHARACTERISTICS	ANY NATURAL GAS USED					NATURAL GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS	11.1	74	76	365	4.83	11.1	74	76	365
ELECTRICITY	.6	64	65	326	5.03	-	-	-	-
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	-	-	-	-
LPG	Q	Q	Q	Q	Q	-	-	-	-
WOOD	.2	53	54	310	5.78	-	-	-	-
OTHER OR NONE	Q	Q	Q	Q	Q	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	11.3	73	75	357	4.78	10.5	74	76	360
ELECTRICITY	.6	69	70	435	6.20	.6	72	73	452
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER	Q	Q	Q	Q	Q	Q	Q	Q	Q
MAIN HEATING EQUIPMENT USING NATURAL GAS									
CENTRAL WARM AIR FURNACE	6.0	83	84	412	4.89	6.0	83	84	412
STEAM OR HOT-WATER SYSTEM	.5	96	98	397	4.04	.5	96	98	397
FLOOR, WALL OR PIPELESS FURNACE	3.9	61	63	302	4.82	3.9	61	63	302
ROOM HEATER	.7	55	56	290	5.14	.7	55	56	290
NONE/OTHER	.9	59	60	314	5.22	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	1.1	116	119	507	4.26	1.1	119	122	520
<2,000 CDD AND 5,500 TO 7,000 HDD	.8	104	106	480	4.53	.7	109	111	498
<2,000 CDD AND 4,000 TO 5,499 HDD	1.3	67	68	390	5.73	1.2	68	69	394
<2,000 CDD AND <4,000 HDD	8.3	67	68	331	4.85	7.6	67	69	331
>2,000 CDD AND <4,000 HDD	.5	45	46	280	6.03	.5	46	47	283

See footnotes at end of table.

Average Natural Gas Consumption and Expenditures

Table 4. (Continued) Census Division: Mountain

HOUSEHOLD CHARACTERISTICS	ANY NATURAL GAS USED					NATURAL GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS.....	2.9	90	92	440	4.79	2.8	93	95	450
AREA TYPE									
METROPOLITAN.....	2.1	87	89	434	4.87	2.0	89	91	440
CENTRAL CITY.....	1.3	83	85	420	4.95	1.2	85	87	428
OUTSIDE CENTRAL CITY.....	.8	95	97	458	4.74	.8	95	97	461
NON-METROPOLITAN.....	.8	97	99	457	4.62	.8	101	103	472
NATURAL GAS PAID BY HOUSEHOLD									
YES.....	2.5	93	95	452	4.77	2.4	95	97	460
NO.....	.4	74	75	372	4.94	.4	78	80	387
TYPE OF HOUSING STRUCTURE									
MOBILE HOME.....	.2	71	72	366	5.08	.2	71	72	366
SINGLE FAMILY.....	2.2	97	99	470	4.73	2.1	100	102	480
2 OR MORE UNITS.....	.5	67	68	343	5.04	.5	68	70	342
NUMBER OF ROOMS									
1 TO 3	.5	52	53	288	5.43	.4	51	52	275
4 TO 5.....	1.3	85	87	420	4.84	1.3	87	88	426
6 OR MORE.....	1.1	114	116	536	4.61	1.1	116	119	546
MEASURED HEATED SPACE OF RESI-DENCE (IN SQUARE FEET)									
LESS THAN 999.....	1.2	65	67	343	5.14	1.1	66	68	345
1,000 TO 1,999.....	1.1	99	101	475	4.68	1.1	102	105	487
2,000 OR MORE.....	.6	123	126	576	4.57	.6	124	127	581
YEAR HOUSE BUILT									
BEFORE 1950.....	.7	88	89	433	4.83	.6	91	93	447
1950 TO 1974.....	1.8	93	94	452	4.78	1.7	95	97	462
AFTER 1974.....	.5	84	86	410	4.77	.5	85	87	407
OWN/RENT									
OWN.....	2.0	97	99	468	4.72	2.0	99	101	476
RENT.....	.9	74	76	379	4.99	.8	77	79	386
1981 FAMILY INCOME									
LESS THAN $10,000.....	1.0	73	74	368	4.97	.9	75	77	375
$10,000 TO $19,999.....	.7	89	91	432	4.75	.7	91	93	439
$20,000 TO $34,999.....	.5	98	100	478	4.79	.4	100	102	486
$35,000 OR MORE.....	.7	111	113	528	4.66	.7	112	115	535
TOTAL BELOW 100 PERCENT OF POVERTY LINE.....	.3	95	97	452	4.67	.3	103	106	476
TOTAL BELOW 125 PERCENT OF POVERTY LINE.....	.6	81	83	404	4.89	.5	85	86	414
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	1.0	91	93	440	4.73	.9	94	96	448
35 TO 59 YEARS.....	1.0	99	101	475	4.70	1.0	102	104	486
60 YEARS AND OVER.....	.9	79	81	403	4.99	.9	81	83	411
HOUSEHOLD MEMBERS									
ONE PERSON.....	.8	66	68	348	5.15	.7	68	69	348
2 TO 4 PEOPLE.....	1.8	94	96	458	4.76	1.7	97	99	468
5 OR MORE PEOPLE.....	.3	125	127	570	4.47	.3	127	130	580

See footnotes at end of table.

Average Natural Gas Consumption and Expenditures

Table 4. (Continued)
Census Division: Mountain

HOUSEHOLD CHARACTERISTICS	ANY NATURAL GAS USED					NATURAL GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS	2.8	93	95	450	4.75	2.8	93	95	450
ELECTRICITY	Q	Q	Q	Q	Q	-	-	-	-
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	-	-	-	-
LPG	Q	Q	Q	Q	Q	-	-	-	-
WOOD	Q	Q	Q	Q	Q	-	-	-	-
OTHER OR NONE	Q	Q	Q	Q	Q	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	2.7	92	94	445	4.74	2.6	94	96	452
ELECTRICITY	.2	65	67	382	5.71	.2	73	74	418
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER	Q	Q	Q	Q	Q	Q	Q	Q	Q
MAIN HEATING EQUIPMENT USING NATURAL GAS									
CENTRAL WARM AIR FURNACE	2.0	98	100	470	4.71	2.0	98	100	470
STEAM OR HOT-WATER SYSTEM	.2	113	115	512	4.45	.2	113	115	512
FLOOR, WALL OR PIPELESS FURNACE	.3	74	76	380	5.01	.3	74	76	380
ROOM HEATER	.2	52	53	303	5.73	.2	52	53	303
NONE/OTHER	.2	47	48	289	6.02	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	1.0	114	116	524	4.51	1.0	115	118	530
<2,000 CDD AND 5,500 TO 7,000 HDD	.8	104	106	473	4.44	.7	109	111	486
<2,000 CDD AND 4,000 TO 5,499 HDD	.3	82	83	412	4.94	.3	82	83	412
<2,000 CDD AND <4,000 HDD	.4	61	62	370	5.95	.3	62	63	375
>2,000 CDD AND <4,000 HDD	.5	45	46	284	6.14	.5	46	47	288

See footnotes at end of table.

Average Natural Gas Consumption and Expenditures

Table 4. (Continued) Census Division: Pacific

HOUSEHOLD CHARACTERISTICS	ANY NATURAL GAS USED					NATURAL GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	9.0	67	69	335	4.88	8.4	68	69	337
AREA TYPE									
METROPOLITAN	9.0	67	69	335	4.88	8.4	68	69	337
CENTRAL CITY	4.5	63	64	307	4.77	4.0	63	64	305
OUTSIDE CENTRAL CITY	4.5	72	73	363	4.97	4.4	72	74	366
NON-METROPOLITAN	Q	Q	Q	Q	Q	Q	Q	Q	Q
NATURAL GAS PAID BY HOUSEHOLD									
YES	7.5	70	71	352	4.92	7.2	71	72	353
NO	1.5	54	55	256	4.62	1.2	51	52	236
TYPE OF HOUSING STRUCTURE									
MOBILE HOME	.3	61	63	290	4.64	.3	63	64	300
SINGLE FAMILY	6.0	76	77	380	4.92	5.7	77	78	383
2 OR MORE UNITS	2.8	50	51	244	4.77	2.4	47	48	231
NUMBER OF ROOMS									
1 TO 3	1.3	39	40	192	4.81	1.1	40	40	197
4 TO 5	4.6	61	62	299	4.80	4.2	60	61	293
6 OR MORE	3.2	88	90	446	4.97	3.0	89	91	449
MEASURED HEATED SPACE OF RESI-DENCE (IN SQUARE FEET)									
LESS THAN 999	3.5	51	52	243	4.71	3.3	51	52	247
1,000 TO 1,999	4.2	71	72	352	4.88	3.9	72	73	356
2,000 OR MORE	1.3	103	105	536	5.11	1.1	102	104	532
YEAR HOUSE BUILT									
BEFORE 1950	2.7	70	72	364	5.06	2.5	71	73	365
1950 TO 1974	4.9	67	69	335	4.89	4.7	67	69	336
AFTER 1974	1.5	62	64	285	4.48	1.2	62	63	277
OWN/RENT									
OWN	4.9	78	79	387	4.89	4.5	77	79	384
RENT	4.2	55	56	275	4.86	3.8	57	58	281
1981 FAMILY INCOME									
LESS THAN $10,000	2.3	59	60	289	4.80	2.0	62	63	303
$10,000 TO $19,999	2.7	61	63	303	4.84	2.6	62	64	308
$20,000 TO $34,999	1.5	68	69	337	4.88	1.4	68	69	333
$35,000 OR MORE	2.5	81	83	412	4.96	2.3	79	81	400
TOTAL BELOW 100 PERCENT OF POVERTY LINE	1.1	67	69	341	4.95	.9	74	76	378
TOTAL BELOW 125 PERCENT OF POVERTY LINE	1.7	65	66	323	4.89	1.4	69	71	347
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS	3.2	59	60	294	4.87	3.1	60	61	297
35 TO 59 YEARS	3.7	75	76	372	4.88	3.2	76	77	375
60 YEARS AND OVER	2.1	67	68	334	4.89	2.1	67	69	336
HOUSEHOLD MEMBERS									
ONE PERSON	2.3	50	51	243	4.78	2.1	47	48	228
2 TO 4 PEOPLE	5.8	70	71	349	4.89	5.5	71	72	353
5 OR MORE PEOPLE	.9	94	96	475	4.95	.8	98	100	497

See footnotes at end of table.

Average Natural Gas Consumption and Expenditures

Table 4. (Continued)
Census Division: Pacific

HOUSEHOLD CHARACTERISTICS	ANY NATURAL GAS USED					NATURAL GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND CU.FT.)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS	8.4	68	69	337	4.86	8.4	68	69	337
ELECTRICITY	.4	67	68	328	4.83	-	-	-	-
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	-	-	-	-
LPG	Q	Q	Q	Q	Q	-	-	-	-
WOOD	.2	56	57	330	5.80	-	-	-	-
OTHER OR NONE	Q	Q	Q	Q	Q	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	8.6	67	69	329	4.80	7.9	68	69	330
ELECTRICITY	.4	70	72	460	6.41	.4	72	73	467
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER	Q	Q	Q	Q	Q	Q	Q	Q	Q
MAIN HEATING EQUIPMENT USING NATURAL GAS									
CENTRAL WARM AIR FURNACE	4.0	75	77	383	5.00	4.0	75	77	383
STEAM OR HOT-WATER SYSTEM	.3	81	83	295	3.55	.3	81	83	295
FLOOR, WALL OR PIPELESS FURNACE	3.6	60	61	295	4.80	3.6	60	61	295
ROOM HEATER	.5	57	58	284	4.88	.5	57	58	284
NONE/OTHER	.7	62	63	320	5.07	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q
<2,000 CDD AND 5,500 TO 7,000 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q
<2,000 CDD AND 4,000 TO 5,499 HDD	1.0	62	64	383	6.03	.9	63	65	388
<2,000 CDD AND <4,000 HDD	7.9	67	69	329	4.80	7.3	67	69	329
>2,000 CDD AND <4,000 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q

"-" = DATA NOT APPLICABLE.
"Q" = DATA WITHHELD BECAUSE OF A LARGE VARIANCE.
NOTE: BECAUSE OF ROUNDING, DATA MAY NOT SUM TO TOTALS. PERCENTAGES ARE CALCULATED ON UNROUNDED NUMBERS. SEE GLOSSARY FOR DEFINITION OF TERMS USED IN THIS REPORT.
SOURCE: ENERGY INFORMATION ADMINISTRATION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY END USE DIVISION, FORM EIA-457, THE 1982 RESIDENTIAL ENERGY CONSUMPTION SURVEY.

Average Electricity Consumption and Expenditures

Table 5. U.S. Residential Electricity Consumption and Expenditures—April 1982 Through March 1983, United States

HOUSEHOLD CHARACTERISTICS	ANY ELECTRICITY USED					ELECTRICITY USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS.....	83.7	8.5	29	578	19.98	13.4	16.0	55	931
AREA TYPE									
METROPOLITAN.....	63.2	8.2	28	580	20.65	10.5	15.7	54	938
CENTRAL CITY.....	29.4	7.5	25	526	20.67	4.5	15.5	53	860
OUTSIDE CENTRAL CITY.....	33.8	8.9	30	628	20.63	5.9	15.9	54	998
NON-METROPOLITAN.....	20.5	9.2	32	571	18.13	2.9	17.0	58	905
ELECTRICITY PAID BY HOUSEHOLD									
YES.....	76.8	8.6	29	579	19.84	11.9	16.2	55	932
NO.....	6.9	7.6	26	564	21.69	1.5	14.4	49	923
TYPE OF HOUSING STRUCTURE									
MOBILE HOME.....	3.7	8.7	30	561	18.93	.9	13.7	47	810
SINGLE FAMILY.....	57.6	9.4	32	627	19.51	7.5	18.7	64	1055
2 OR MORE UNITS.....	22.4	6.0	21	455	22.10	4.9	12.2	42	764
NUMBER OF ROOMS									
1 TO 3	10.8	5.6	19	412	21.67	2.8	11.3	38	730
4 TO 5.....	36.6	7.4	25	500	19.90	5.9	14.2	48	834
6 OR MORE.....	36.3	10.5	36	707	19.77	4.6	21.2	72	1178
MEASURED HEATED SPACE OF RESI-DENCE (IN SQUARE FEET)									
LESS THAN 999.....	30.2	6.2	21	435	20.54	5.7	12.6	43	761
1,000 TO 1,999.....	35.6	9.1	31	610	19.55	5.8	16.9	58	977
2,000 OR MORE.....	17.9	11.0	38	758	20.15	1.9	23.4	80	1309
YEAR HOUSE BUILT									
BEFORE 1950.....	30.6	6.3	22	462	21.35	1.1	14.8	50	812
1950 TO 1974.....	40.2	9.1	31	618	19.92	6.6	16.1	55	963
AFTER 1974.....	12.9	11.6	40	728	18.35	5.7	16.1	55	917
OWN/RENT									
OWN.....	53.9	9.6	33	647	19.76	7.8	18.1	62	1036
RENT.....	29.8	6.5	22	454	20.57	5.6	13.1	45	786
1981 FAMILY INCOME									
LESS THAN $10,000.....	26.3	6.4	22	439	20.24	3.9	13.0	44	767
$10,000 TO $19,999.....	24.8	8.0	27	545	19.95	3.9	14.8	51	889
$20,000 TO $34,999.....	12.4	9.5	33	625	19.20	2.1	16.3	56	881
$35,000 OR MORE.....	20.2	11.2	38	771	20.21	3.6	20.3	69	1184
TOTAL BELOW 100 PERCENT OF POVERTY LINE.....	12.1	6.4	22	447	20.35	1.4	13.7	47	773
TOTAL BELOW 125 PERCENT OF POVERTY LINE.....	17.4	6.6	22	455	20.35	2.1	13.4	46	772
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	26.2	8.2	28	549	19.52	5.3	15.3	52	895
35 TO 59 YEARS.....	34.0	9.7	33	663	20.03	4.7	18.4	63	1040
60 YEARS AND OVER.....	23.6	7.0	24	488	20.47	3.4	13.8	47	838
HOUSEHOLD MEMBERS									
ONE PERSON.....	19.2	5.3	18	377	20.76	3.3	11.1	38	694
2 TO 4 PEOPLE.....	54.1	9.0	31	610	19.78	8.7	17.0	58	983
5 OR MORE PEOPLE.....	10.4	11.5	39	787	20.10	1.4	21.4	73	1179

See footnotes at end of table.

Average Electricity Consumption and Expenditures

Table 5. (Continued)
United States

HOUSEHOLD CHARACTERISTICS	ANY ELECTRICITY USED					ELECTRICITY USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS	47.5	6.6	23	478	21.14	-	-	-	-
ELECTRICITY	13.4	16.0	55	931	17.06	13.4	16.0	55	931
FUEL OIL OR KEROSENE	12.0	7.0	24	568	23.76	-	-	-	-
LPG	3.8	8.0	27	550	20.25	-	-	-	-
WOOD	5.6	10.0	34	627	18.30	-	-	-	-
OTHER OR NONE	1.5	7.7	26	584	22.27	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	47.1	6.4	22	476	21.76	1.3	11.1	38	792
ELECTRICITY	26.6	13.2	45	785	17.48	11.9	16.5	56	943
FUEL OIL OR KEROSENE	5.7	4.9	17	508	30.24	Q	Q	Q	Q
OTHER	4.4	6.8	23	508	21.76	.2	17.8	61	1202
ALL ELECTRIC HOME									
YES	11.6	16.8	57	954	16.67	11.6	16.8	57	954
NO	72.2	7.2	24	518	21.22	1.8	11.0	37	781
MAIN HEATING EQUIPMENT USING ELECTRICITY									
CENTRAL WARM AIR	3.5	18.2	62	1032	16.64	3.5	18.2	62	1032
HEAT PUMP	3.6	17.1	58	995	17.07	3.6	17.1	58	995
WALL UNITS	5.0	14.8	50	867	17.20	5.0	14.8	50	867
PIPELESS FURNACE	Q	Q	Q	Q	Q	Q	Q	Q	Q
PORTABLE HEATERS	.8	10.7	36	648	17.77	.8	10.7	36	648
OTHER	.3	12.4	42	756	17.83	.3	12.4	42	756
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	8.5	7.5	25	485	19.04	.6	16.5	56	979
<2,000 CDD AND 5,500 TO 7,000 HDD	21.0	7.6	26	542	20.99	2.4	17.3	59	973
<2,000 CDD AND 4,000 TO 5,499 HDD	22.1	8.3	28	584	20.74	3.1	17.0	58	879
<2,000 CDD AND <4,000 HDD	19.6	8.3	28	523	18.38	3.2	15.5	53	881
>2,000 CDD AND <4,000 HDD	12.6	11.3	39	778	20.12	4.1	14.8	50	978

See footnotes at end of table.

Average Electricity Consumption and Expenditures

Table 5. (Continued) Census Region: Northeast

HOUSEHOLD CHARACTERISTICS	ANY ELECTRICITY USED					ELECTRICITY USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	18.0	6.2	21	582	27.46	1.3	13.9	47	1082
AREA TYPE									
METROPOLITAN	15.5	6.1	21	591	28.63	1.2	14.2	48	1118
CENTRAL CITY	6.4	4.5	15	515	33.91	.2	13.4	46	943
OUTSIDE CENTRAL CITY	9.1	7.2	25	645	26.32	.9	14.4	49	1161
NON-METROPOLITAN	2.4	7.2	25	523	21.25	Q	Q	Q	Q
ELECTRICITY PAID BY HOUSEHOLD									
YES	15.8	6.4	22	586	26.97	1.1	14.3	49	1116
NO	2.2	5.1	17	554	31.79	.2	11.8	40	922
TYPE OF HOUSING STRUCTURE									
MOBILE HOME	.4	6.7	23	461	20.21	Q	Q	Q	Q
SINGLE FAMILY	10.6	7.5	25	658	25.85	.7	16.7	57	1290
2 OR MORE UNITS	7.0	4.3	15	473	32.30	.6	10.6	36	839
NUMBER OF ROOMS									
1 TO 3	2.8	3.9	13	410	31.02	.4	10.8	37	790
4 TO 5	6.3	5.4	19	517	27.88	.5	12.9	44	1064
6 OR MORE	8.8	7.5	26	683	26.66	.4	19.2	66	1469
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 999	6.0	4.2	14	430	29.98	.6	10.6	36	848
1,000 TO 1,999	7.1	6.5	22	598	26.79	.5	16.0	55	1243
2,000 OR MORE	4.8	8.3	28	750	26.63	.2	18.9	64	1418
YEAR HOUSE BUILT									
BEFORE 1950	9.4	5.1	17	493	28.30	.2	12.0	41	983
1950 TO 1974	7.1	7.0	24	655	27.57	.7	13.5	46	1099
AFTER 1974	1.5	9.5	32	787	24.26	.5	15.2	52	1098
OWN/RENT									
OWN	11.3	7.2	24	654	26.80	0.5	17.5	60	1388
RENT	6.7	4.6	16	461	29.16	.8	11.8	40	899
1981 FAMILY INCOME									
LESS THAN $10,000	5.3	4.6	16	437	27.85	.5	12.6	43	956
$10,000 TO $19,999	5.4	5.9	20	538	26.89	.4	14.0	48	1093
$20,000 TO $34,999	2.6	6.4	22	607	27.74	Q	Q	Q	Q
$35,000 OR MORE	4.6	8.4	29	789	27.56	.3	17.2	59	1360
TOTAL BELOW 100 PERCENT OF POVERTY LINE	2.3	4.8	16	471	28.71	Q	Q	Q	Q
TOTAL BELOW 125 PERCENT OF POVERTY LINE	3.6	4.7	16	457	28.60	.2	13.1	45	1005
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS	4.8	6.4	22	582	26.76	.6	13.6	46	1068
35 TO 59 YEARS	7.5	7.2	24	676	27.67	.3	16.6	57	1319
60 YEARS AND OVER	5.6	4.8	16	456	27.82	.4	12.5	43	929
HOUSEHOLD MEMBERS									
ONE PERSON	4.4	3.9	13	368	27.59	.5	10.9	37	797
2 TO 4 PEOPLE	11.2	6.5	22	612	27.41	.7	15.6	53	1269
5 OR MORE PEOPLE	2.3	9.1	31	852	27.52	Q	Q	Q	Q

See footnotes at end of table.

Average Electricity Consumption and Expenditures

Table 5. (Continued)
Census Region: Northeast

HOUSEHOLD CHARACTERISTICS	ANY ELECTRICITY USED					ELECTRICITY USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS	7.5	5.1	17	513	29.48	-	-	-	-
ELECTRICITY	1.3	13.9	47	1082	22.81	1.3	13.9	47	1082
FUEL OIL OR KEROSENE	7.6	5.7	19	556	28.80	-	-	-	-
LPG	.2	3.9	13	320	24.34	-	-	-	-
WOOD	1.0	8.9	30	690	22.78	-	-	-	-
OTHER OR NONE	.3	7.0	24	591	24.90	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	8.7	5.0	17	499	29.47	Q	Q	Q	Q
ELECTRICITY	3.7	11.3	38	900	23.39	1.3	14.1	48	1097
FUEL OIL OR KEROSENE	5.0	4.7	16	502	31.59	Q	Q	Q	Q
OTHER	.6	6.3	21	498	23.26	Q	Q	Q	Q
ALL ELECTRIC HOME									
YES	1.2	14.6	50	1134	22.84	1.2	14.6	50	1134
NO	16.8	5.6	19	543	28.29	Q	Q	Q	Q
MAIN HEATING EQUIPMENT USING ELECTRICITY									
CENTRAL WARM AIR	Q	Q	Q	Q	Q	Q	Q	Q	Q
HEAT PUMP	.2	19.0	65	1345	20.70	.2	19.0	65	1345
WALL UNITS	.9	14.0	48	1122	23.51	.9	14.0	48	1122
PIPELESS FURNACE	Q	Q	Q	Q	Q	Q	Q	Q	Q
PORTABLE HEATERS	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER	Q	Q	Q	Q	Q	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	1.6	7.2	24	540	22.11	Q	Q	Q	Q
<2,000 CDD AND 5,500 TO 7,000 HDD	8.0	6.9	24	569	24.21	.8	13.0	44	1001
<2,000 CDD AND 4,000 TO 5,499 HDD	8.3	5.4	18	603	32.87	.4	16.7	57	1365
<2,000 CDD AND <4,000 HDD	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Average Electricity Consumption and Expenditures

Table 5. (Continued) Census Division: New England

HOUSEHOLD CHARACTERISTICS	ANY ELECTRICITY USED					ELECTRICITY USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	4.2	6.6	23	562	24.99	0.3	12.4	42	991
AREA TYPE									
METROPOLITAN	3.3	6.6	23	575	25.54	.3	12.3	42	979
CENTRAL CITY	1.3	5.5	19	492	26.16	Q	Q	Q	Q
OUTSIDE CENTRAL CITY	2.0	7.3	25	627	25.25	.2	11.5	39	909
NON-METROPOLITAN	.9	6.6	22	518	23.03	Q	Q	Q	Q
ELECTRICITY PAID BY HOUSEHOLD									
YES	3.8	6.4	22	550	24.98	Q	Q	Q	Q
NO	.4	7.9	27	673	25.03	.2	13.8	47	1102
TYPE OF HOUSING STRUCTURE									
MOBILE HOME	Q	Q	Q	Q	Q	Q	Q	Q	Q
SINGLE FAMILY	2.3	7.4	25	629	24.89	Q	Q	Q	Q
2 OR MORE UNITS	1.8	5.5	19	474	25.44	.3	12.2	42	972
NUMBER OF ROOMS									
1 TO 3	.5	5.6	19	480	24.95	.2	11.2	38	891
4 TO 5	1.7	5.9	20	502	25.03	Q	Q	Q	Q
6 OR MORE	2.0	7.4	25	632	24.97	Q	Q	Q	Q
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 999	1.2	5.4	18	457	24.92	.2	10.9	37	874
1,000 TO 1,999	1.9	6.3	22	541	25.15	Q	Q	Q	Q
2,000 OR MORE	1.1	8.5	29	719	24.83	Q	Q	Q	Q
YEAR HOUSE BUILT									
BEFORE 1950	2.4	5.6	19	477	25.07	Q	Q	Q	Q
1950 TO 1974	1.5	7.6	26	639	24.77	.2	10.1	34	805
AFTER 1974	.3	9.6	33	838	25.45	Q	Q	Q	Q
OWN/RENT									
OWN	2.7	7.1	24	605	24.96	Q	Q	Q	Q
RENT	1.5	5.6	19	483	25.07	0.3	12.2	42	972
1981 FAMILY INCOME									
LESS THAN $10,000	1.0	4.8	16	423	25.78	Q	Q	Q	Q
$10,000 TO $19,999	1.2	6.3	22	530	24.51	Q	Q	Q	Q
$20,000 TO $34,999	.6	7.0	24	587	24.58	Q	Q	Q	Q
$35,000 OR MORE	1.4	7.9	27	680	25.14	Q	Q	Q	Q
TOTAL BELOW 100 PERCENT OF POVERTY LINE	.3	6.4	22	522	23.94	Q	Q	Q	Q
TOTAL BELOW 125 PERCENT OF POVERTY LINE	.6	6.0	20	503	24.52	Q	Q	Q	Q
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS	1.2	6.3	21	526	24.52	Q	Q	Q	Q
35 TO 59 YEARS	1.7	7.9	27	672	24.79	Q	Q	Q	Q
60 YEARS AND OVER	1.3	5.1	17	452	25.97	Q	Q	Q	Q
HOUSEHOLD MEMBERS									
ONE PERSON	.8	4.5	15	392	25.76	Q	Q	Q	Q
2 TO 4 PEOPLE	2.9	6.5	22	559	25.10	.2	11.8	40	959
5 OR MORE PEOPLE	.5	10.4	36	857	24.06	Q	Q	Q	Q

See footnotes at end of table.

Average Electricity Consumption and Expenditures

Table 5. (Continued) Census Division: New England

HOUSEHOLD CHARACTERISTICS	ANY ELECTRICITY USED					ELECTRICITY USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS	1.2	5.1	17	470	26.98	-	-	-	-
ELECTRICITY	.3	12.4	42	991	23.43	.3	12.4	42	991
FUEL OIL OR KEROSENE	2.1	6.2	21	531	25.27	-	-	-	-
LPG	Q	Q	Q	Q	Q	-	-	-	-
WOOD	.5	8.6	29	675	22.90	-	-	-	-
OTHER OR NONE	Q	Q	Q	Q	Q	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	1.6	5.3	18	484	26.67	Q	Q	Q	Q
ELECTRICITY	1.0	10.3	35	823	23.31	0.2	13.1	45	1045
FUEL OIL OR KEROSENE	1.4	5.6	19	485	25.51	Q	Q	Q	Q
OTHER	.2	6.2	21	501	23.71	Q	Q	Q	Q
ALL ELECTRIC HOME									
YES	.2	13.3	46	1060	23.29	.2	13.3	46	1060
NO	4.0	6.2	21	533	25.20	Q	Q	Q	Q
MAIN HEATING EQUIPMENT USING ELECTRICITY									
CENTRAL WARM AIR	Q	Q	Q	Q	Q	Q	Q	Q	Q
HEAT PUMP	Q	Q	Q	Q	Q	Q	Q	Q	Q
WALL UNITS	.2	11.2	38	896	23.53	.2	11.2	38	896
PIPELESS FURNACE	Q	Q	Q	Q	Q	Q	Q	Q	Q
PORTABLE HEATERS	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER	Q	Q	Q	Q	Q	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	1.1	6.7	23	527	23.19	Q	Q	Q	Q
<2,000 CDD AND 5,500 TO 7,000 HDD	3.1	6.6	22	575	25.62	.3	12.3	42	983
<2,000 CDD AND 4,000 TO 5,499 HDD	-	-	-	-	-	-	-	-	-
<2,000 CDD AND <4,000 HDD	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Average Electricity Consumption and Expenditures

Table 5. (Continued) Census Division: Middle Atlantic

HOUSEHOLD CHARACTERISTICS	ANY ELECTRICITY USED					ELECTRICITY USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	13.7	6.1	21	588	28.28	1.0	14.3	49	1109
AREA TYPE									
METROPOLITAN	12.2	5.9	20	596	29.55	.9	14.8	51	1163
CENTRAL CITY	5.1	4.2	14	521	36.42	Q	Q	Q	Q
OUTSIDE CENTRAL CITY	7.1	7.2	24	650	26.63	.8	15.1	51	1222
NON-METROPOLITAN	1.5	7.6	26	526	20.30	Q	Q	Q	Q
ELECTRICITY PAID BY HOUSEHOLD									
YES	12.0	6.3	22	597	27.61	.9	14.9	51	1153
NO	1.8	4.4	15	525	34.71	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE									
MOBILE HOME	.3	6.4	22	428	19.50	Q	Q	Q	Q
SINGLE FAMILY	8.3	7.5	25	666	26.12	.7	16.9	58	1301
2 OR MORE UNITS	5.2	3.9	13	473	35.54	.3	9.4	32	741
NUMBER OF ROOMS									
1 TO 3	2.3	3.5	12	396	33.01	.3	10.6	36	738
4 TO 5	4.6	5.3	18	523	29.06	.4	12.8	44	1065
6 OR MORE	6.8	7.5	26	697	27.15	.3	19.4	66	1479
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 999	4.8	3.9	13	423	31.73	.4	10.5	36	832
1,000 TO 1,999	5.2	6.6	23	618	27.36	.4	15.7	54	1214
2,000 OR MORE	3.7	8.2	28	759	27.17	.2	18.9	64	1418
YEAR HOUSE BUILT									
BEFORE 1950	7.0	4.9	17	499	29.55	Q	Q	Q	Q
1950 TO 1974	5.6	6.8	23	660	28.40	.5	14.7	50	1197
AFTER 1974	1.2	9.5	32	773	23.93	.4	15.0	51	1064
OWN/RENT									
OWN	8.5	7.2	24	670	27.39	0.5	17.8	61	1412
RENT	5.2	4.3	15	454	30.67	.6	11.6	39	865
1981 FAMILY INCOME									
LESS THAN $10,000	4.4	4.5	16	440	28.34	.4	12.2	42	912
$10,000 TO $19,999	4.2	5.7	20	540	27.67	.3	14.9	51	1155
$20,000 TO $34,999	2.0	6.2	21	612	28.77	Q	Q	Q	Q
$35,000 OR MORE	3.2	8.6	29	837	28.53	.3	17.4	59	1373
TOTAL BELOW 100 PERCENT OF POVERTY LINE	2.0	4.6	16	464	29.57	Q	Q	Q	Q
TOTAL BELOW 125 PERCENT OF POVERTY LINE	3.0	4.4	15	449	29.64	.2	12.4	42	921
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS	3.5	6.4	22	601	27.53	.5	13.7	47	1082
35 TO 59 YEARS	5.8	6.9	24	678	28.63	.2	17.5	60	1386
60 YEARS AND OVER	4.4	4.7	16	458	28.41	.3	12.9	44	942
HOUSEHOLD MEMBERS									
ONE PERSON	3.6	3.8	13	362	28.07	.4	10.4	36	739
2 TO 4 PEOPLE	8.3	6.5	22	630	28.21	.6	16.7	57	1362
5 OR MORE PEOPLE	1.8	8.7	30	851	28.70	Q	Q	Q	Q

See footnotes at end of table.

Average Electricity Consumption and Expenditures

Table 5. (Continued) Census Division: Middle Atlantic

HOUSEHOLD CHARACTERISTICS	ANY ELECTRICITY USED					ELECTRICITY USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS	6.3	5.1	17	521	29.95	-	-	-	-
ELECTRICITY	1.0	14.3	49	1109	22.66	1.0	14.3	49	1109
FUEL OIL OR KEROSENE	5.4	5.5	19	566	30.35	-	-	-	-
LPG	.2	3.7	13	309	24.65	-	-	-	-
WOOD	.5	9.1	31	705	22.67	-	-	-	-
OTHER OR NONE	.3	6.8	23	584	25.27	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	7.1	4.9	17	502	30.15	Q	Q	Q	Q
ELECTRICITY	2.7	11.6	40	926	23.41	1.0	14.3	49	1109
FUEL OIL OR KEROSENE	3.6	4.3	15	509	34.75	Q	Q	Q	Q
OTHER	.3	6.3	22	496	22.96	Q	Q	Q	Q
ALL ELECTRIC HOME									
YES	.9	14.9	51	1153	22.74	.9	14.9	51	1153
NO	12.8	5.5	19	547	29.39	Q	Q	Q	Q
MAIN HEATING EQUIPMENT USING ELECTRICITY									
CENTRAL WARM AIR	Q	Q	Q	Q	Q	Q	Q	Q	Q
HEAT PUMP	Q	Q	Q	Q	Q	Q	Q	Q	Q
WALL UNITS	.7	15.0	51	1201	23.50	.7	15.0	51	1201
PIPELESS FURNACE	Q	Q	Q	Q	Q	Q	Q	Q	Q
PORTABLE HEATERS	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER	Q	Q	Q	Q	Q	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)-- LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	.5	8.2	28	566	20.31	Q	Q	Q	Q
<2,000 CDD AND 5,500 TO 7,000 HDD	4.9	7.1	24	566	23.37	.5	13.4	46	1010
<2,000 CDD AND 4,000 TO 5,499 HDD	8.3	5.4	18	603	32.87	.4	16.7	57	1365
<2,000 CDD AND <4,000 HDD	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Average Electricity Consumption and Expenditures

Table 5. (Continued) Census Region: North Central

HOUSEHOLD CHARACTERISTICS	ANY ELECTRICITY USED					ELECTRICITY USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	21.3	7.9	27	527	19.55	2.1	19.0	65	1026
AREA TYPE									
METROPOLITAN	14.7	7.8	26	527	19.90	1.4	18.9	64	1015
CENTRAL CITY	7.2	7.6	26	499	19.29	.8	21.5	73	1055
OUTSIDE CENTRAL CITY	7.6	7.9	27	554	20.46	.7	15.9	54	969
NON-METROPOLITAN	6.6	8.2	28	527	18.79	.7	19.3	66	1048
ELECTRICITY PAID BY HOUSEHOLD									
YES	20.0	7.9	27	523	19.54	1.8	19.4	66	1007
NO	1.3	8.7	30	586	19.66	.3	17.0	58	1120
TYPE OF HOUSING STRUCTURE									
MOBILE HOME	.7	8.9	30	612	20.12	Q	Q	Q	Q
SINGLE FAMILY	15.0	8.8	30	580	19.21	1.2	22.7	77	1136
2 OR MORE UNITS	5.6	5.3	18	376	20.94	.8	13.1	45	796
NUMBER OF ROOMS									
1 TO 3	2.4	5.3	18	377	20.85	.4	13.4	46	902
4 TO 5	9.6	6.9	23	457	19.54	.8	16.7	57	892
6 OR MORE	9.3	9.7	33	639	19.37	.8	24.5	83	1229
MEASURED HEATED SPACE OF RESI-DENCE (IN SQUARE FEET)									
LESS THAN 999	6.8	5.4	19	372	20.08	.9	14.7	50	858
1,000 TO 1,999	8.1	8.4	29	552	19.31	.7	19.3	66	1018
2,000 OR MORE	6.3	10.0	34	663	19.49	.5	26.4	90	1337
YEAR HOUSE BUILT									
BEFORE 1950	9.3	6.3	21	439	20.58	Q	Q	Q	Q
1950 TO 1974	9.2	8.4	29	569	19.75	1.2	17.2	59	994
AFTER 1974	2.9	11.5	39	680	17.27	.8	21.6	74	1072
OWN/RENT									
OWN	14.3	8.8	30	585	19.39	1.2	21.7	74	1148
RENT	7.0	6.0	20	409	20.02	.9	15.3	52	856
1981 FAMILY INCOME									
LESS THAN $10,000	6.8	5.8	20	396	20.19	.5	16.7	57	970
$10,000 TO $19,999	6.7	7.6	26	507	19.52	.7	17.7	60	1009
$20,000 TO $34,999	2.9	9.8	33	632	18.93	.4	19.2	66	1025
$35,000 OR MORE	4.9	10.1	35	673	19.44	.4	24.0	82	1125
TOTAL BELOW 100 PERCENT OF POVERTY LINE	2.8	5.4	18	392	21.20	Q	Q	Q	Q
TOTAL BELOW 125 PERCENT OF POVERTY LINE	4.0	5.8	20	408	20.73	.2	18.4	63	1040
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS	6.5	7.6	26	496	19.03	.8	17.3	59	943
35 TO 59 YEARS	8.8	9.1	31	605	19.54	.8	22.7	78	1155
60 YEARS AND OVER	6.0	6.5	22	446	20.23	.5	16.3	56	971
HOUSEHOLD MEMBERS									
ONE PERSON	4.7	4.5	15	317	20.48	.4	11.3	39	705
2 TO 4 PEOPLE	13.6	8.4	29	551	19.33	1.4	20.2	69	1080
5 OR MORE PEOPLE	3.0	11.1	38	748	19.68	.3	23.4	80	1195

See footnotes at end of table.

Average Electricity Consumption and Expenditures

Table 5. (Continued) Census Region: North Central

HOUSEHOLD CHARACTERISTICS	ANY ELECTRICITY USED					ELECTRICITY USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS	15.5	6.1	21	439	21.21	-	-	-	-
ELECTRICITY	2.1	19.0	65	1026	15.81	2.1	19.0	65	1026
FUEL OIL OR KEROSENE	1.6	9.2	32	608	19.30	-	-	-	-
LPG	1.0	8.7	30	599	20.19	-	-	-	-
WOOD	1.1	9.9	34	635	18.75	-	-	-	-
OTHER OR NONE	Q	Q	Q	Q	Q	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	14.7	6.0	20	440	21.57	0.2	9.5	33	769
ELECTRICITY	5.5	13.1	45	763	17.11	1.8	20.1	69	1057
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER	1.0	8.3	28	547	19.34	Q	Q	Q	Q
ALL ELECTRIC HOME									
YES	1.8	20.1	69	1057	15.40	1.8	20.1	69	1057
NO	19.5	6.7	23	477	20.72	.3	11.1	38	800
MAIN HEATING EQUIPMENT USING ELECTRICITY									
CENTRAL WARM AIR	.6	21.0	72	1113	15.57	.6	21.0	72	1113
HEAT PUMP	.4	25.6	87	1092	12.52	.4	25.6	87	1092
WALL UNITS	1.0	16.2	55	979	17.73	1.0	16.2	55	979
PIPELESS FURNACE	Q	Q	Q	Q	Q	Q	Q	Q	Q
PORTABLE HEATERS	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER	Q	Q	Q	Q	Q	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	5.5	7.7	26	492	18.62	.3	19.2	65	1128
<2,000 CDD AND 5,500 TO 7,000 HDD	11.5	7.7	26	529	20.22	1.3	19.1	65	1018
<2,000 CDD AND 4,000 TO 5,499 HDD	4.3	8.8	30	568	19.03	.4	18.7	64	968
<2,000 CDD AND <4,000 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q
>2,000 CDD AND <4,000 HDD	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Average Electricity Consumption and Expenditures

Table 5. (Continued) Census Division: East North Central

AVE. $ / AV. BTU

HOUSEHOLD CHARACTERISTICS	ANY ELECTRICITY USED					ELECTRICITY USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	15.0	7.6	26	514	19.91	1.6	18.4	63	1003
AREA TYPE									
METROPOLITAN	11.4	7.4	25	518	20.48	1.2	18.5	63	988
CENTRAL CITY	5.4	7.6	26	501	19.45	.7	21.8	74	1063
OUTSIDE CENTRAL CITY	6.0	7.3	25	533	21.44	.5	13.5	46	875
NON-METROPOLITAN	3.6	8.0	27	499	18.22	.5	18.4	63	1045
ELECTRICITY PAID BY HOUSEHOLD									
YES	14.1	7.5	26	507	19.89	1.3	18.8	64	972
NO	.9	8.9	30	610	20.15	.3	16.7	57	1143
TYPE OF HOUSING STRUCTURE									
MOBILE HOME	.4	10.0	34	666	19.45	Q	Q	Q	Q
SINGLE FAMILY	10.1	8.6	29	570	19.46	.9	22.3	76	1090
2 OR MORE UNITS	4.5	5.0	17	372	21.74	.6	12.8	44	812
NUMBER OF ROOMS									
1 TO 3	1.8	5.5	19	398	21.24	.4	13.2	45	910
4 TO 5	6.9	6.4	22	433	19.83	.6	16.1	55	884
6 OR MORE	6.3	9.4	32	633	19.75	.6	24.3	83	1184
MEASURED HEATED SPACE OF RESI-DENCE (IN SQUARE FEET)									
LESS THAN 999	5.0	5.2	18	361	20.31	.7	14.4	49	870
1,000 TO 1,999	5.6	7.7	26	519	19.64	.5	18.6	63	985
2,000 OR MORE	4.3	10.0	34	683	19.93	.4	26.0	89	1283
YEAR HOUSE BUILT									
BEFORE 1950	6.9	6.1	21	433	20.91	Q	Q	Q	Q
1950 TO 1974	6.2	8.1	28	564	20.36	1.0	16.7	57	992
AFTER 1974	1.9	11.2	38	643	16.87	.5	21.9	75	1029
OWN/RENT									
OWN	9.6	8.6	29	577	19.67	0.9	21.0	72	1110
RENT	5.4	5.7	20	402	20.52	.7	14.8	51	856
1981 FAMILY INCOME									
LESS THAN $10,000	5.1	5.7	19	393	20.32	.4	17.1	58	1011
$10,000 TO $19,999	4.8	7.3	25	498	20.02	.6	16.7	57	995
$20,000 TO $34,999	1.8	9.4	32	625	19.44	.3	18.7	64	1020
$35,000 OR MORE	3.2	9.9	34	664	19.67	.3	23.0	78	994
TOTAL BELOW 100 PERCENT OF POVERTY LINE	2.1	5.3	18	395	21.75	Q	Q	Q	Q
TOTAL BELOW 125 PERCENT OF POVERTY LINE	3.0	5.5	19	402	21.35	Q	Q	Q	Q
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS	4.6	7.0	24	458	19.07	.6	16.4	56	889
35 TO 59 YEARS	6.0	8.8	30	603	20.10	.6	22.2	76	1133
60 YEARS AND OVER	4.4	6.4	22	449	20.49	.4	16.2	55	991
HOUSEHOLD MEMBERS									
ONE PERSON	3.3	4.3	15	309	20.90	.3	10.4	36	697
2 TO 4 PEOPLE	9.4	7.9	27	531	19.57	1.1	19.9	68	1058
5 OR MORE PEOPLE	2.2	10.7	37	746	20.36	.2	22.4	77	1154

See footnotes at end of table.

Average Electricity Consumption and Expenditures

Table 5. (Continued)
Census Division: East North Central

HOUSEHOLD CHARACTERISTICS	ANY ELECTRICITY USED					ELECTRICITY USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS	10.8	5.5	19	418	22.10	-	-	-	-
ELECTRICITY	1.6	18.4	63	1003	15.95	1.6	18.4	63	1003
FUEL OIL OR KEROSENE	1.3	9.2	31	606	19.33	-	-	-	-
LPG	.5	8.1	27	556	20.22	-	-	-	-
WOOD	.8	9.7	33	636	19.12	-	-	-	-
OTHER OR NONE	Q	Q	Q	Q	Q	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	10.1	5.5	19	423	22.63	0.2	9.8	34	812
ELECTRICITY	4.2	12.7	43	737	17.08	1.4	19.6	67	1031
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER	.6	8.2	28	547	19.59	Q	Q	Q	Q
ALL ELECTRIC HOME									
YES	1.4	19.6	67	1031	15.44	1.4	19.6	67	1031
NO	13.6	6.3	22	460	21.34	.2	11.5	39	833
MAIN HEATING EQUIPMENT USING ELECTRICITY									
CENTRAL WARM AIR	.3	20.6	70	1087	15.45	.3	20.6	70	1087
HEAT PUMP	.3	25.7	88	1073	12.24	.3	25.7	88	1073
WALL UNITS	.8	15.6	53	975	18.31	.8	15.6	53	975
PIPELESS FURNACE	Q	Q	Q	Q	Q	Q	Q	Q	Q
PORTABLE HEATERS	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER	Q	Q	Q	Q	Q	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	3.4	7.4	25	448	17.80	.3	16.6	57	960
<2,000 CDD AND 5,500 TO 7,000 HDD	10.2	7.7	26	535	20.34	1.3	19.0	65	1020
<2,000 CDD AND 4,000 TO 5,499 HDD	1.5	7.0	24	518	21.67	Q	Q	Q	Q
<2,000 CDD AND <4,000 HDD	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Average Electricity Consumption and Expenditures

Table 5. (Continued) Census Division: West North Central

HOUSEHOLD CHARACTERISTICS	ANY ELECTRICITY USED					ELECTRICITY USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	6.3	8.7	30	560	18.80	0.5	21.0	72	1104
AREA TYPE									
METROPOLITAN	3.3	9.0	31	559	18.26	.3	20.9	71	1146
CENTRAL CITY	1.7	7.7	26	491	18.77	Q	Q	Q	Q
OUTSIDE CENTRAL CITY	1.6	10.4	36	634	17.84	.2	21.9	75	1210
NON-METROPOLITAN	3.0	8.5	29	561	19.45	.2	21.2	72	1056
ELECTRICITY PAID BY HOUSEHOLD									
YES	5.9	8.7	30	562	18.83	.4	21.3	73	1118
NO	.4	8.4	29	528	18.39	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE									
MOBILE HOME	.3	7.0	24	520	21.78	Q	Q	Q	Q
SINGLE FAMILY	4.9	9.4	32	601	18.76	.3	23.6	81	1252
2 OR MORE UNITS	1.1	6.2	21	390	18.37	Q	Q	Q	Q
NUMBER OF ROOMS									
1 TO 3	.7	4.7	16	318	19.63	Q	Q	Q	Q
4 TO 5	2.7	8.0	27	518	18.93	.2	18.4	63	913
6 OR MORE	3.0	10.2	35	651	18.63	.2	24.9	85	1363
MEASURED HEATED SPACE OF RESI-DENCE (IN SQUARE FEET)									
LESS THAN 999	1.8	6.0	20	399	19.52	.2	16.0	55	797
1,000 TO 1,999	2.5	9.8	34	628	18.72	.2	21.0	72	1100
2,000 OR MORE	2.0	9.8	34	621	18.51	Q	Q	Q	Q
YEAR HOUSE BUILT									
BEFORE 1950	2.3	6.8	23	456	19.71	Q	Q	Q	Q
1950 TO 1974	3.0	9.1	31	578	18.63	Q	Q	Q	Q
AFTER 1974	1.0	12.3	42	754	17.99	.3	21.1	72	1154
OWN/RENT									
OWN	4.8	9.3	32	600	18.87	0.3	24.0	82	1282
RENT	1.5	6.9	23	435	18.53	.2	16.9	58	856
1981 FAMILY INCOME									
LESS THAN $10,000	1.7	6.0	21	407	19.83	Q	Q	Q	Q
$10,000 TO $19,999	1.8	8.5	29	531	18.37	Q	Q	Q	Q
$20,000 TO $34,999	1.1	10.4	35	643	18.15	Q	Q	Q	Q
$35,000 OR MORE	1.7	10.6	36	690	19.02	Q	Q	Q	Q
TOTAL BELOW 100 PERCENT OF POVERTY LINE	.7	5.7	20	382	19.54	Q	Q	Q	Q
TOTAL BELOW 125 PERCENT OF POVERTY LINE	1.0	6.5	22	424	19.15	Q	Q	Q	Q
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS	2.0	9.0	31	585	18.96	.2	20.0	68	1100
35 TO 59 YEARS	2.8	9.7	33	608	18.44	.2	24.6	84	1235
60 YEARS AND OVER	1.6	6.6	23	440	19.52	Q	Q	Q	Q
HOUSEHOLD MEMBERS									
ONE PERSON	1.4	5.0	17	337	19.60	Q	Q	Q	Q
2 TO 4 PEOPLE	4.2	9.3	32	598	18.88	.3	21.6	74	1158
5 OR MORE PEOPLE	.8	12.4	42	756	17.91	Q	Q	Q	Q

See footnotes at end of table.

Average Electricity Consumption and Expenditures

Table 5. (Continued) Census Division: West North Central

HOUSEHOLD CHARACTERISTICS	ANY ELECTRICITY USED					ELECTRICITY USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS	4.7	7.3	25	488	19.67	-	-	-	-
ELECTRICITY	.5	21.0	72	1104	15.38	.5	21.0	72	1104
FUEL OIL OR KEROSENE	.3	9.4	32	617	19.18	-	-	-	-
LPG	.5	9.3	32	641	20.17	-	-	-	-
WOOD	.3	10.3	35	634	17.98	-	-	-	-
OTHER OR NONE	Q	Q	Q	Q	Q	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	4.5	7.1	24	478	19.75	Q	Q	Q	Q
ELECTRICITY	1.3	14.4	49	842	17.18	0.4	21.8	74	1139
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER	.4	8.4	29	547	19.01	Q	Q	Q	Q
ALL ELECTRIC HOME									
YES	.4	21.8	74	1139	15.29	.4	21.8	74	1139
NO	5.9	7.7	26	516	19.56	Q	Q	Q	Q
MAIN HEATING EQUIPMENT USING ELECTRICITY									
CENTRAL WARM AIR	.2	21.4	73	1152	15.75	.2	21.4	73	1152
HEAT PUMP	Q	Q	Q	Q	Q	Q	Q	Q	Q
WALL UNITS	Q	Q	Q	Q	Q	Q	Q	Q	Q
PIPELESS FURNACE	Q	Q	Q	Q	Q	Q	Q	Q	Q
PORTABLE HEATERS	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER	Q	Q	Q	Q	Q	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	2.1	8.3	28	561	19.78	Q	Q	Q	Q
<2,000 CDD AND 5,500 TO 7,000 HDD	1.3	7.4	25	482	19.20	Q	Q	Q	Q
<2,000 CDD AND 4,000 TO 5,499 HDD	2.9	9.7	33	594	18.04	.4	19.5	67	992
<2,000 CDD AND <4,000 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q
>2,000 CDD AND <4,000 HDD	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Average Electricity Consumption and Expenditures

Table 5. (Continued)
Census Region: South

HOUSEHOLD CHARACTERISTICS	ANY ELECTRICITY USED					ELECTRICITY USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS.....	28.0	11.0	37	700	18.73	6.8	16.4	56	1004
AREA TYPE									
METROPOLITAN.....	18.6	11.2	38	736	19.30	5.0	16.4	56	1040
CENTRAL CITY.....	8.5	10.2	35	667	19.14	1.9	15.8	54	980
OUTSIDE CENTRAL CITY.....	10.1	12.0	41	794	19.41	3.1	16.7	57	1078
NON-METROPOLITAN.....	9.4	10.5	36	630	17.53	1.8	16.6	57	902
ELECTRICITY PAID BY HOUSEHOLD									
YES.....	25.7	11.0	38	704	18.69	6.2	16.5	56	1005
NO.....	2.3	10.1	35	662	19.18	.6	16.2	55	997
TYPE OF HOUSING STRUCTURE									
MOBILE HOME.....	1.8	9.4	32	597	18.71	.6	11.9	41	731
SINGLE FAMILY.....	20.9	11.5	39	728	18.63	4.0	18.5	63	1104
2 OR MORE UNITS.....	5.4	9.6	33	628	19.20	2.2	13.8	47	895
NUMBER OF ROOMS									
1 TO 3	3.1	8.1	28	544	19.67	1.3	11.5	39	747
4 TO 5.....	12.6	9.1	31	590	18.95	2.9	14.6	50	897
6 OR MORE.....	12.3	13.6	46	853	18.43	2.6	20.8	71	1247
MEASURED HEATED SPACE OF RESI-DENCE (IN SQUARE FEET)									
LESS THAN 999.....	10.5	8.2	28	543	19.37	2.8	12.9	44	817
1,000 TO 1,999.....	13.2	11.6	40	734	18.51	3.2	17.4	60	1057
2,000 OR MORE.....	4.2	15.8	54	991	18.37	.8	24.7	84	1452
YEAR HOUSE BUILT									
BEFORE 1950.....	7.7	8.0	27	521	19.06	.5	15.0	51	872
1950 TO 1974.....	15.6	11.4	39	730	18.75	3.7	16.5	56	1027
AFTER 1974.....	4.7	14.3	49	896	18.36	2.6	16.6	57	997
OWN/RENT									
OWN.....	18.5	12.1	41	764	18.50	4.2	18.1	62	1087
RENT.....	9.5	8.8	30	577	19.33	2.6	13.6	47	869
1981 FAMILY INCOME									
LESS THAN $10,000.....	9.5	7.7	26	506	19.17	1.8	13.2	45	806
$10,000 TO $19,999.....	8.0	10.7	36	678	18.61	1.9	14.5	50	889
$20,000 TO $34,999.....	4.3	11.9	41	729	17.97	1.1	15.4	53	908
$35,000 OR MORE.....	6.3	15.6	53	1002	18.89	2.0	21.7	74	1341
TOTAL BELOW 100 PERCENT OF POVERTY LINE.....	5.1	7.6	26	495	19.16	.7	15.0	51	892
TOTAL BELOW 125 PERCENT OF POVERTY LINE.....	6.9	7.9	27	512	18.97	1.0	14.3	49	848
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	8.8	10.6	36	682	18.89	2.5	15.7	54	972
35 TO 59 YEARS.....	11.5	12.5	43	788	18.47	2.7	18.6	63	1116
60 YEARS AND OVER.....	7.7	9.1	31	590	19.05	1.6	14.0	48	870
HOUSEHOLD MEMBERS									
ONE PERSON.....	6.1	7.2	25	483	19.60	1.6	11.7	40	742
2 TO 4 PEOPLE.....	18.6	11.6	40	738	18.60	4.5	17.3	59	1046
5 OR MORE PEOPLE.....	3.3	14.1	48	890	18.48	.7	21.3	73	1321

See footnotes at end of table.

Average Electricity Consumption and Expenditures

Table 5. (Continued)
Census Region: South

HOUSEHOLD CHARACTERISTICS	ANY ELECTRICITY USED					ELECTRICITY USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS	13.3	9.1	31	600	19.36	-	-	-	-
ELECTRICITY	6.8	16.4	56	1004	17.91	6.8	16.4	56	1004
FUEL OIL OR KEROSENE	2.5	9.1	31	610	19.65	-	-	-	-
LPG	2.3	8.2	28	564	20.14	-	-	-	-
WOOD	2.6	10.5	36	639	17.88	-	-	-	-
OTHER OR NONE	.6	10.5	36	613	17.13	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	12.4	8.9	30	605	19.88	0.6	14.3	49	1024
ELECTRICITY	13.2	13.7	47	827	17.73	6.2	16.5	56	995
FUEL OIL OR KEROSENE	.4	8.2	28	625	22.25	Q	Q	Q	Q
OTHER	2.0	6.4	22	477	21.91	Q	Q	Q	Q
ALL ELECTRIC HOME									
YES	6.0	16.9	58	1014	17.56	6.0	16.9	58	1014
NO	22.0	9.3	32	615	19.30	.8	12.9	44	931
MAIN HEATING EQUIPMENT USING ELECTRICITY									
CENTRAL WARM AIR	2.3	18.2	62	1110	17.88	2.3	18.2	62	1110
HEAT PUMP	2.3	16.7	57	1022	17.89	2.3	16.7	57	1022
WALL UNITS	1.6	15.9	54	974	17.95	1.6	15.9	54	974
PIPELESS FURNACE	Q	Q	Q	Q	Q	Q	Q	Q	Q
PORTABLE HEATERS	.6	10.1	35	632	18.27	.6	10.1	35	632
OTHER	Q	Q	Q	Q	Q	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	-	-	-	-	-	-	-	-	-
<2,000 CDD AND 5,500 TO 7,000 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q
<2,000 CDD AND 4,000 TO 5,499 HDD	6.4	10.1	34	647	18.84	1.2	17.2	59	1042
<2,000 CDD AND <4,000 HDD	10.4	10.9	37	643	17.31	2.1	18.4	63	995
>2,000 CDD AND <4,000 HDD	11.3	11.5	39	784	19.90	3.5	15.0	51	997

See footnotes at end of table.

Average Electricity Consumption and Expenditures

Table 5. (Continued) Census Division: South Atlantic

HOUSEHOLD CHARACTERISTICS	ANY ELECTRICITY USED					ELECTRICITY USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	13.9	10.1	35	671	19.44	3.7	14.3	49	947
AREA TYPE									
METROPOLITAN	10.0	10.3	35	703	20.01	3.1	14.3	49	973
CENTRAL CITY	3.8	9.6	33	651	19.83	1.1	13.3	45	892
OUTSIDE CENTRAL CITY	6.2	10.7	37	735	20.11	2.0	14.8	51	1018
NON-METROPOLITAN	3.9	9.7	33	590	17.90	.6	14.1	48	810
ELECTRICITY PAID BY HOUSEHOLD									
YES	12.5	10.3	35	679	19.39	3.5	14.3	49	947
NO	1.4	8.7	30	594	19.95	.2	13.6	46	941
TYPE OF HOUSING STRUCTURE									
MOBILE HOME	1.2	8.5	29	557	19.12	.4	10.3	35	668
SINGLE FAMILY	9.8	10.7	37	708	19.31	2.0	16.6	57	1094
2 OR MORE UNITS	2.9	8.7	30	594	20.11	1.2	11.9	41	805
NUMBER OF ROOMS									
1 TO 3	1.6	7.9	27	561	20.73	.8	10.9	37	759
4 TO 5	6.1	8.5	29	563	19.49	1.6	12.1	41	790
6 OR MORE	6.1	12.4	42	808	19.18	1.2	19.2	65	1268
MEASURED HEATED SPACE OF RESI-DENCE (IN SQUARE FEET)									
LESS THAN 999	5.4	7.9	27	540	20.15	1.7	11.3	39	764
1,000 TO 1,999	6.1	10.6	36	692	19.15	1.7	15.1	52	984
2,000 OR MORE	2.4	14.1	48	920	19.08	.3	25.3	86	1711
YEAR HOUSE BUILT									
BEFORE 1950	3.9	7.8	27	526	19.68	.3	14.5	49	923
1950 TO 1974	8.0	10.6	36	702	19.42	2.2	14.0	48	947
AFTER 1974	2.0	12.7	43	832	19.22	1.1	14.6	50	952
OWN/RENT									
OWN	9.0	11.2	38	735	19.21	2.3	15.9	54	1041
RENT	4.9	8.1	28	554	20.01	1.4	11.7	40	795
1981 FAMILY INCOME									
LESS THAN $10,000	4.5	7.1	24	495	20.32	1.0	10.7	37	731
$10,000 TO $19,999	4.2	10.2	35	659	19.02	1.1	12.9	44	836
$20,000 TO $34,999	2.0	10.5	36	677	18.86	.5	13.5	46	875
$35,000 OR MORE	3.2	13.9	48	927	19.49	1.0	19.9	68	1337
TOTAL BELOW 100 PERCENT OF POVERTY LINE	2.3	7.5	26	510	19.89	.3	13.2	45	874
TOTAL BELOW 125 PERCENT OF POVERTY LINE	3.0	7.6	26	509	19.68	.5	12.5	43	819
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS	4.3	9.4	32	628	19.64	1.2	13.1	45	868
35 TO 59 YEARS	5.8	11.6	40	758	19.14	1.4	16.5	56	1084
60 YEARS AND OVER	3.9	8.7	30	589	19.80	1.1	12.5	43	848
HOUSEHOLD MEMBERS									
ONE PERSON	3.4	6.9	24	479	20.38	1.0	10.0	34	670
2 TO 4 PEOPLE	9.1	10.8	37	709	19.21	2.3	15.1	52	993
5 OR MORE PEOPLE	1.4	13.3	45	885	19.49	.3	20.9	71	1448

See footnotes at end of table.

Average Electricity Consumption and Expenditures

Table 5. (Continued) Census Division: South Atlantic

HOUSEHOLD CHARACTERISTICS	ANY ELECTRICITY USED					ELECTRICITY USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS	4.6	8.1	28	529	19.19	-	-	-	-
ELECTRICITY	3.7	14.3	49	947	19.47	3.7	14.3	49	947
FUEL OIL OR KEROSENE	2.4	9.0	31	612	19.85	-	-	-	-
LPG	1.2	7.9	27	559	20.66	-	-	-	-
WOOD	1.5	9.8	33	647	19.35	-	-	-	-
OTHER OR NONE	.5	10.1	34	596	17.30	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	4.3	7.7	26	511	19.44	0.2	11.7	40	806
ELECTRICITY	8.2	12.0	41	784	19.11	3.4	14.2	48	940
FUEL OIL OR KEROSENE	.4	8.2	28	625	22.25	Q	Q	Q	Q
OTHER	1.1	5.9	20	464	23.06	Q	Q	Q	Q
ALL ELECTRIC HOME									
YES	3.2	14.7	50	966	19.29	3.2	14.7	50	966
NO	10.7	8.7	30	582	19.52	.4	11.0	38	799
MAIN HEATING EQUIPMENT USING ELECTRICITY									
CENTRAL WARM AIR	.8	15.3	52	981	18.83	.8	15.3	52	981
HEAT PUMP	1.5	14.3	49	968	19.84	1.5	14.3	49	968
WALL UNITS	.9	15.7	54	1025	19.15	.9	15.7	54	1025
PIPELESS FURNACE	Q	Q	Q	Q	Q	Q	Q	Q	Q
PORTABLE HEATERS	.4	8.4	29	604	21.06	.4	8.4	29	604
OTHER	Q	Q	Q	Q	Q	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	-	-	-	-	-	-	-	-	-
<2,000 CDD AND 5,500 TO 7,000 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q
<2,000 CDD AND 4,000 TO 5,499 HDD	5.1	9.6	33	642	19.61	.7	16.8	57	1087
<2,000 CDD AND <4,000 HDD	5.0	9.4	32	596	18.55	.7	14.9	51	903
>2,000 CDD AND <4,000 HDD	3.8	11.7	40	809	20.19	2.3	13.3	45	915

See footnotes at end of table.

Average Electricity Consumption and Expenditures

Table 5. (Continued) Census Division: East South Central

HOUSEHOLD CHARACTERISTICS	ANY ELECTRICITY USED					ELECTRICITY USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	5.7	13.0	44	686	15.44	1.8	18.5	63	938
AREA TYPE									
METROPOLITAN	2.8	12.8	44	682	15.66	.8	19.5	66	973
CENTRAL CITY	1.3	11.9	40	610	15.09	.3	20.3	69	951
OUTSIDE CENTRAL CITY	1.5	13.5	46	744	16.09	.6	19.1	65	985
NON-METROPOLITAN	2.9	13.2	45	689	15.24	1.0	17.8	61	908
ELECTRICITY PAID BY HOUSEHOLD									
YES	5.2	13.1	45	695	15.51	1.6	19.1	65	973
NO	.4	11.5	39	566	14.49	.2	14.9	51	682
TYPE OF HOUSING STRUCTURE									
MOBILE HOME	.3	11.2	38	617	16.19	Q	Q	Q	Q
SINGLE FAMILY	4.3	14.0	48	738	15.39	1.4	20.0	68	1009
2 OR MORE UNITS	1.1	9.5	32	503	15.48	.4	13.7	47	704
NUMBER OF ROOMS									
1 TO 3	.6	9.0	31	471	15.32	.2	11.9	41	566
4 TO 5	2.5	10.6	36	571	15.82	.7	16.4	56	837
6 OR MORE	2.6	16.3	55	845	15.22	.9	22.0	75	1112
MEASURED HEATED SPACE OF RESI-DENCE (IN SQUARE FEET)									
LESS THAN 999	2.1	9.0	31	484	15.77	.6	14.0	48	662
1,000 TO 1,999	2.6	14.2	48	744	15.36	.9	18.8	64	985
2,000 OR MORE	1.0	18.5	63	964	15.26	.4	24.8	85	1241
YEAR HOUSE BUILT									
BEFORE 1950	1.4	9.7	33	503	15.26	.2	13.8	47	678
1950 TO 1974	3.1	13.3	45	711	15.64	.8	19.8	67	1005
AFTER 1974	1.2	16.1	55	831	15.15	.8	18.4	63	926
OWN/RENT									
OWN	3.9	14.6	50	764	15.37	1.3	20.6	70	1045
RENT	1.8	9.7	33	518	15.66	.6	14.0	48	701
1981 FAMILY INCOME									
LESS THAN $10,000	2.2	9.5	32	500	15.42	.6	14.9	51	735
$10,000 TO $19,999	1.5	12.7	43	680	15.68	.4	16.8	57	858
$20,000 TO $34,999	1.2	14.4	49	761	15.46	.4	17.3	59	885
$35,000 OR MORE	.8	21.6	74	1117	15.15	.4	26.3	90	1329
TOTAL BELOW 100 PERCENT OF POVERTY LINE	1.0	8.9	30	463	15.32	.2	14.4	49	693
TOTAL BELOW 125 PERCENT OF POVERTY LINE	1.5	9.8	33	515	15.47	.3	14.6	50	705
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS	1.8	12.3	42	651	15.50	.7	17.1	58	869
35 TO 59 YEARS	2.2	15.6	53	818	15.37	.8	21.8	74	1104
60 YEARS AND OVER	1.6	10.2	35	541	15.51	.4	14.9	51	741
HOUSEHOLD MEMBERS									
ONE PERSON	1.2	7.7	26	417	15.89	.3	12.1	41	631
2 TO 4 PEOPLE	3.8	13.6	46	718	15.47	1.3	19.1	65	962
5 OR MORE PEOPLE	.7	19.1	65	976	14.99	.2	23.9	82	1189

See footnotes at end of table.

Average Electricity Consumption and Expenditures

Table 5. (Continued) Census Division: East South Central

HOUSEHOLD CHARACTERISTICS	ANY ELECTRICITY USED					ELECTRICITY USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS	2.5	9.6	33	529	16.22	-	-	-	-
ELECTRICITY	1.8	18.5	63	938	14.81	1.8	18.5	63	938
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	-	-	-	-
LPG	.3	10.1	34	572	16.61	-	-	-	-
WOOD	.8	12.7	43	657	15.15	-	-	-	-
OTHER OR NONE	Q	Q	Q	Q	Q	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	1.9	8.8	30	505	16.76	Q	Q	Q	Q
ELECTRICITY	3.6	15.5	53	791	14.96	1.8	18.8	64	950
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER	.2	7.8	27	492	18.52	Q	Q	Q	Q
ALL ELECTRIC HOME									
YES	1.8	18.9	65	954	14.76	1.8	18.9	65	954
NO	3.9	10.3	35	562	16.01	Q	Q	Q	Q
MAIN HEATING EQUIPMENT USING ELECTRICITY									
CENTRAL WARM AIR	.5	18.0	61	938	15.27	.5	18.0	61	938
HEAT PUMP	.6	22.2	76	1119	14.79	.6	22.2	76	1119
WALL UNITS	.5	16.1	55	801	14.61	.5	16.1	55	801
PIPELESS FURNACE	Q	Q	Q	Q	Q	Q	Q	Q	Q
PORTABLE HEATERS	.2	14.0	48	668	14.02	.2	14.0	48	668
OTHER	Q	Q	Q	Q	Q	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	-	-	-	-	-	-	-	-	-
<2,000 CDD AND 5,500 TO 7,000 HDD	-	-	-	-	-	-	-	-	-
<2,000 CDD AND 4,000 TO 5,499 HDD	1.3	12.0	41	668	16.37	.5	18.0	61	970
<2,000 CDD AND <4,000 HDD	3.4	13.6	46	685	14.82	1.2	19.0	65	929
>2,000 CDD AND <4,000 HDD	1.0	12.5	43	709	16.56	.2	17.0	58	912

See footnotes at end of table.

Average Electricity Consumption and Expenditures

Table 5. (Continued) Census Division: West South Central

HOUSEHOLD CHARACTERISTICS	ANY ELECTRICITY USED					ELECTRICITY USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	8.5	11.0	37	759	20.26	1.3	19.5	67	1256
AREA TYPE									
METROPOLITAN	5.9	11.9	41	817	20.08	1.1	19.6	67	1267
CENTRAL CITY	3.5	10.3	35	706	20.13	.6	18.3	62	1160
OUTSIDE CENTRAL CITY	2.4	14.3	49	975	20.03	.6	21.0	72	1378
NON-METROPOLITAN	2.6	8.8	30	626	20.79	.2	18.7	64	1183
ELECTRICITY PAID BY HOUSEHOLD									
YES	8.0	10.9	37	748	20.18	1.2	19.2	66	1220
NO	.5	12.7	43	917	21.19	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE									
MOBILE HOME	.3	10.6	36	731	20.20	Q	Q	Q	Q
SINGLE FAMILY	6.8	10.9	37	751	20.28	.7	21.2	72	1325
2 OR MORE UNITS	1.3	11.7	40	803	20.17	.6	18.3	62	1220
NUMBER OF ROOMS									
1 TO 3	.9	7.8	27	562	21.03	.3	13.1	45	877
4 TO 5	4.0	9.2	32	644	20.41	.6	19.6	67	1266
6 OR MORE	3.6	13.7	47	934	20.03	.5	23.0	79	1455
MEASURED HEATED SPACE OF RESI-DENCE (IN SQUARE FEET)									
LESS THAN 999	3.0	8.3	28	588	20.74	.6	16.7	57	1128
1,000 TO 1,999	4.5	11.5	39	785	19.98	.7	21.5	73	1342
2,000 OR MORE	.9	17.3	59	1203	20.34	Q	Q	Q	Q
YEAR HOUSE BUILT									
BEFORE 1950	2.4	7.3	25	522	20.92	Q	Q	Q	Q
1950 TO 1974	4.6	11.5	39	790	20.07	.6	20.7	71	1335
AFTER 1974	1.5	15.0	51	1036	20.18	.7	18.0	61	1160
OWN/RENT									
OWN	5.7	11.8	40	809	20.07	0.7	21.1	72	1313
RENT	2.8	9.3	32	656	20.75	.6	17.7	60	1192
1981 FAMILY INCOME									
LESS THAN $10,000	2.8	7.3	25	526	21.19	.2	20.1	69	1322
$10,000 TO $19,999	2.3	10.2	35	711	20.34	.3	17.2	59	1107
$20,000 TO $34,999	1.0	11.7	40	794	19.93	Q	Q	Q	Q
$35,000 OR MORE	2.3	15.8	54	1068	19.79	.6	21.3	73	1357
TOTAL BELOW 100 PERCENT OF POVERTY LINE	1.7	6.9	24	493	20.93	Q	Q	Q	Q
TOTAL BELOW 125 PERCENT OF POVERTY LINE	2.3	7.2	24	514	21.04	.2	18.8	64	1197
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS	2.8	11.3	39	783	20.32	.7	19.0	65	1257
35 TO 59 YEARS	3.5	12.0	41	820	19.96	.5	19.6	67	1232
60 YEARS AND OVER	2.2	8.9	30	628	20.80	.2	21.1	72	1320
HOUSEHOLD MEMBERS									
ONE PERSON	1.6	7.6	26	539	20.87	.3	16.7	57	1074
2 TO 4 PEOPLE	5.7	11.6	40	800	20.18	.9	20.7	71	1324
5 OR MORE PEOPLE	1.2	12.4	42	851	20.11	.2	18.6	63	1239

See footnotes at end of table.

Average Electricity Consumption and Expenditures

Table 5. (Continued) Census Division: West South Central

HOUSEHOLD CHARACTERISTICS	ANY ELECTRICITY USED					ELECTRICITY USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS	6.2	9.6	33	683	20.76	-	-	-	-
ELECTRICITY	1.3	19.5	67	1256	18.87	1.3	19.5	67	1256
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	-	-	-	-
LPG	.7	7.8	27	568	21.36	-	-	-	-
WOOD	.3	8.0	27	549	20.03	-	-	-	-
OTHER OR NONE	Q	Q	Q	Q	Q	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	6.3	9.8	33	699	20.97	0.3	17.1	58	1265
ELECTRICITY	1.5	18.3	62	1148	18.41	1.0	20.4	70	1265
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER	.7	6.7	23	492	21.46	Q	Q	Q	Q
ALL ELECTRIC HOME									
YES	1.0	20.6	70	1280	18.19	1.0	20.6	70	1280
NO	7.5	9.7	33	690	20.83	.3	16.2	55	1185
MAIN HEATING EQUIPMENT USING ELECTRICITY									
CENTRAL WARM AIR	.9	20.9	71	1328	18.61	.9	20.9	71	1328
HEAT PUMP	Q	Q	Q	Q	Q	Q	Q	Q	Q
WALL UNITS	Q	Q	Q	Q	Q	Q	Q	Q	Q
PIPELESS FURNACE	Q	Q	Q	Q	Q	Q	Q	Q	Q
PORTABLE HEATERS	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER	Q	Q	Q	Q	Q	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	-	-	-	-	-	-	-	-	-
<2,000 CDD AND 5,500 TO 7,000 HDD	-	-	-	-	-	-	-	-	-
<2,000 CDD AND 4,000 TO 5,499 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q
<2,000 CDD AND <4,000 HDD	2.0	10.0	34	688	20.10	.2	25.2	86	1583
>2,000 CDD AND <4,000 HDD	6.5	11.3	38	781	20.30	1.1	18.3	62	1184

See footnotes at end of table.

Average Electricity Consumption and Expenditures

Table 5. (Continued)
Census Region: West

HOUSEHOLD CHARACTERISTICS	ANY ELECTRICITY USED					ELECTRICITY USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	16.4	7.5	26	431	16.91	3.1	13.9	47	646
AREA TYPE									
METROPOLITAN	14.4	7.3	25	421	16.99	2.8	13.6	46	642
CENTRAL CITY	7.3	6.7	23	396	17.24	1.6	12.5	43	604
OUTSIDE CENTRAL CITY	7.1	7.8	27	447	16.77	1.2	14.9	51	690
NON-METROPOLITAN	2.1	9.0	31	503	16.44	.3	16.9	58	683
ELECTRICITY PAID BY HOUSEHOLD									
YES	15.3	7.6	26	437	16.90	2.8	14.3	49	653
NO	1.1	6.2	21	361	17.10	.3	10.5	36	589
TYPE OF HOUSING STRUCTURE									
MOBILE HOME	.9	7.9	27	485	17.91	Q	Q	Q	Q
SINGLE FAMILY	11.1	8.3	28	473	16.79	1.6	17.3	59	764
2 OR MORE UNITS	4.5	5.5	19	317	17.07	1.4	10.0	34	516
NUMBER OF ROOMS									
1 TO 3	2.4	4.5	15	278	18.00	.6	9.6	33	527
4 TO 5	8.2	6.7	23	396	17.33	1.7	12.7	43	628
6 OR MORE	5.9	9.8	33	545	16.30	.8	19.7	67	775
MEASURED HEATED SPACE OF RESI-DENCE (IN SQUARE FEET)									
LESS THAN 999	6.8	5.7	19	336	17.40	1.4	11.7	40	550
1,000 TO 1,999	7.1	8.0	27	458	16.70	1.4	14.7	50	676
2,000 OR MORE	2.5	10.9	37	617	16.64	.4	19.3	66	899
YEAR HOUSE BUILT									
BEFORE 1950	4.3	6.2	21	337	15.89	.3	15.1	51	543
1950 TO 1974	8.4	7.3	25	434	17.35	1.1	15.1	52	631
AFTER 1974	3.8	9.2	32	533	16.91	1.7	12.9	44	673
OWN/RENT									
OWN	9.8	8.8	30	508	16.95	1.8	15.6	53	748
RENT	6.6	5.6	19	319	16.80	1.3	11.5	39	505
1981 FAMILY INCOME									
LESS THAN $10,000	4.7	6.4	22	366	16.68	1.1	11.2	38	518
$10,000 TO $19,999	4.7	6.5	22	383	17.28	.8	13.3	46	663
$20,000 TO $34,999	2.6	8.6	29	466	15.94	.4	16.9	58	666
$35,000 OR MORE	4.4	9.0	31	532	17.34	.9	16.3	56	780
TOTAL BELOW 100 PERCENT OF POVERTY LINE	1.9	6.9	23	374	15.91	.5	10.4	35	452
TOTAL BELOW 125 PERCENT OF POVERTY LINE	3.0	6.8	23	388	16.80	.7	10.6	36	492
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS	6.0	7.0	24	388	16.27	1.3	14.0	48	634
35 TO 59 YEARS	6.1	8.4	29	490	17.17	.9	15.0	51	649
60 YEARS AND OVER	4.3	6.9	24	409	17.37	.9	12.7	43	662
HOUSEHOLD MEMBERS									
ONE PERSON	4.0	4.9	17	296	17.65	.8	10.0	34	529
2 TO 4 PEOPLE	10.6	8.0	27	456	16.79	2.0	14.7	50	677
5 OR MORE PEOPLE	1.8	10.2	35	582	16.67	.3	19.3	66	762

See footnotes at end of table.

Average Electricity Consumption and Expenditures

Table 5. (Continued)
Census Region: West

HOUSEHOLD CHARACTERISTICS	ANY ELECTRICITY USED					ELECTRICITY USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS	11.1	5.5	19	360	19.31	-	-	-	-
ELECTRICITY	3.1	13.9	47	646	13.62	3.1	13.9	47	646
FUEL OIL OR KEROSENE	.4	10.4	35	382	10.79	-	-	-	-
LPG	.4	6.7	23	458	20.07	-	-	-	-
WOOD	.9	10.2	35	509	14.57	-	-	-	-
OTHER OR NONE	.5	5.0	17	563	32.94	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	11.3	5.4	18	365	19.98	0.5	8.4	29	560
ELECTRICITY	4.2	13.4	46	586	12.81	2.6	15.0	51	657
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER	.8	6.5	22	540	24.22	Q	Q	Q	Q
ALL ELECTRIC HOME									
YES	2.6	15.0	51	657	12.80	2.6	15.0	51	657
NO	13.9	6.1	21	390	18.78	.6	8.9	30	596
MAIN HEATING EQUIPMENT USING ELECTRICITY									
CENTRAL WARM AIR	.6	16.9	58	731	12.66	.6	16.9	58	731
HEAT PUMP	.8	13.6	46	806	17.41	.8	13.6	46	806
WALL UNITS	1.5	13.1	45	530	11.83	1.5	13.1	45	530
PIPELESS FURNACE	Q	Q	Q	Q	Q	Q	Q	Q	Q
PORTABLE HEATERS	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER	Q	Q	Q	Q	Q	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	1.4	6.8	23	395	17.14	Q	Q	Q	Q
<2,000 CDD AND 5,500 TO 7,000 HDD	1.5	10.4	35	495	13.97	.3	20.9	71	694
<2,000 CDD AND 4,000 TO 5,499 HDD	3.0	11.6	40	423	10.70	1.2	16.2	55	520
<2,000 CDD AND <4,000 HDD	9.2	5.5	19	387	20.80	1.0	9.6	33	648
>2,000 CDD AND <4,000 HDD	1.3	9.5	32	724	22.33	.5	13.4	46	856

See footnotes at end of table.

Average Electricity Consumption and Expenditures

Table 5. (Continued)
Census Division: Mountain

HOUSEHOLD CHARACTERISTICS	ANY ELECTRICITY USED					ELECTRICITY USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	4.3	8.3	28	520	18.33	0.9	13.5	46	824
AREA TYPE									
METROPOLITAN	2.8	8.1	28	558	20.08	.8	12.5	43	826
CENTRAL CITY	1.7	7.7	26	525	20.05	.4	10.9	37	749
OUTSIDE CENTRAL CITY	1.1	8.9	30	608	20.11	.3	14.7	50	931
NON-METROPOLITAN	1.5	8.6	29	450	15.32	Q	Q	Q	Q
ELECTRICITY PAID BY HOUSEHOLD									
YES	3.9	8.4	29	521	18.29	.8	13.5	46	805
NO	.4	7.9	27	507	18.83	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE									
MOBILE HOME	.3	7.8	27	459	17.29	Q	Q	Q	Q
SINGLE FAMILY	3.3	8.8	30	542	18.06	.6	14.7	50	871
2 OR MORE UNITS	.7	6.3	22	447	20.73	.2	9.1	31	684
NUMBER OF ROOMS									
1 TO 3	.6	4.8	16	355	21.68	Q	Q	Q	Q
4 TO 5	2.2	8.1	28	509	18.45	.6	13.1	45	807
6 OR MORE	1.5	10.0	34	601	17.57	Q	Q	Q	Q
MEASURED HEATED SPACE OF RESI-DENCE (IN SQUARE FEET)									
LESS THAN 999	1.7	6.6	23	445	19.75	.4	10.7	37	724
1,000 TO 1,999	1.8	8.9	30	541	17.83	.4	14.4	49	853
2,000 OR MORE	.8	10.6	36	632	17.43	Q	Q	Q	Q
YEAR HOUSE BUILT									
BEFORE 1950	.9	6.9	24	389	16.53	Q	Q	Q	Q
1950 TO 1974	2.2	7.8	26	505	19.09	.2	13.1	45	776
AFTER 1974	1.2	10.3	35	641	18.21	.6	13.8	47	852
OWN/RENT									
OWN	3.1	9.1	31	559	17.96	0.6	14.9	51	870
RENT	1.2	6.3	21	422	19.69	.2	9.9	34	700
1981 FAMILY INCOME									
LESS THAN $10,000	1.5	6.8	23	438	18.79	.3	10.3	35	634
$10,000 TO $19,999	1.0	7.9	27	491	18.23	.2	15.7	54	969
$20,000 TO $34,999	.6	8.6	29	515	17.52	Q	Q	Q	Q
$35,000 OR MORE	1.2	10.4	35	651	18.40	.3	15.6	53	963
TOTAL BELOW 100 PERCENT OF POVERTY LINE	.5	7.2	25	441	17.93	Q	Q	Q	Q
TOTAL BELOW 125 PERCENT OF POVERTY LINE	.8	7.0	24	446	18.74	.2	8.4	29	568
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS	1.6	8.3	28	519	18.25	.5	13.8	47	834
35 TO 59 YEARS	1.4	9.2	31	556	17.77	Q	Q	Q	Q
60 YEARS AND OVER	1.3	7.4	25	482	19.19	.3	11.7	40	781
HOUSEHOLD MEMBERS									
ONE PERSON	1.1	5.1	17	352	20.13	.2	7.5	26	511
2 TO 4 PEOPLE	2.7	9.0	31	560	18.20	.5	15.5	53	942
5 OR MORE PEOPLE	.5	11.3	38	659	17.16	Q	Q	Q	Q

See footnotes at end of table.

Average Electricity Consumption and Expenditures

Table 5. (Continued)
Census Division: Mountain

HOUSEHOLD CHARACTERISTICS	ANY ELECTRICITY USED					ELECTRICITY USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS	2.8	6.6	22	426	19.03	-	-	-	-
ELECTRICITY	.9	13.5	46	824	17.83	.9	13.5	46	824
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	-	-	-	-
LPG	.2	7.1	24	503	20.85	-	-	-	-
WOOD	.3	9.4	32	542	16.97	-	-	-	-
OTHER OR NONE	Q	Q	Q	Q	Q	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	2.7	6.3	22	420	19.50	Q	Q	Q	Q
ELECTRICITY	1.2	13.3	45	747	16.45	0.7	14.2	49	855
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER	.4	7.4	25	542	21.36	Q	Q	Q	Q
ALL ELECTRIC HOME									
YES	.7	14.2	49	855	17.62	.7	14.2	49	855
NO	3.6	7.1	24	451	18.63	Q	Q	Q	Q
MAIN HEATING EQUIPMENT USING ELECTRICITY									
CENTRAL WARM AIR	.2	15.3	52	920	17.60	.2	15.3	52	920
HEAT PUMP	.5	13.7	47	873	18.61	.5	13.7	47	873
WALL UNITS	Q	Q	Q	Q	Q	Q	Q	Q	Q
PIPELESS FURNACE	Q	Q	Q	Q	Q	Q	Q	Q	Q
PORTABLE HEATERS	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER	Q	Q	Q	Q	Q	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	1.2	6.6	22	380	17.00	Q	Q	Q	Q
<2,000 CDD AND 5,500 TO 7,000 HDD	1.3	8.5	29	469	16.18	Q	Q	Q	Q
<2,000 CDD AND 4,000 TO 5,499 HDD	.3	7.6	26	511	19.65	Q	Q	Q	Q
<2,000 CDD AND <4,000 HDD	.5	7.4	25	559	22.18	.2	9.4	32	700
>2,000 CDD AND <4,000 HDD	1.0	10.9	37	738	19.81	.5	13.5	46	857

See footnotes at end of table.

Average Electricity Consumption and Expenditures

Table 5. (Continued) Census Division: Pacific

HOUSEHOLD CHARACTERISTICS	ANY ELECTRICITY USED					ELECTRICITY USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	12.2	7.2	25	400	16.33	2.3	14.0	48	578
AREA TYPE									
METROPOLITAN	11.6	7.0	24	388	16.14	2.1	13.9	48	574
CENTRAL CITY	5.6	6.4	22	358	16.25	1.1	13.1	45	549
OUTSIDE CENTRAL CITY	6.0	7.6	26	417	16.05	.9	15.0	51	606
NON-METROPOLITAN	.6	9.9	34	645	19.03	.2	15.0	51	613
ELECTRICITY PAID BY HOUSEHOLD									
YES	11.4	7.3	25	408	16.35	2.0	14.6	50	593
NO	.8	5.3	18	285	15.76	.3	9.5	32	463
TYPE OF HOUSING STRUCTURE									
MOBILE HOME	.5	8.0	27	502	18.30	Q	Q	Q	Q
SINGLE FAMILY	7.9	8.0	27	445	16.22	1.0	19.0	65	694
2 OR MORE UNITS	3.8	5.3	18	293	16.26	1.2	10.1	34	487
NUMBER OF ROOMS									
1 TO 3	1.8	4.4	15	252	16.70	.5	9.7	33	490
4 TO 5	6.0	6.2	21	355	16.80	1.1	12.5	43	529
6 OR MORE	4.3	9.7	33	526	15.84	.7	19.6	67	718
MEASURED HEATED SPACE OF RESI-DENCE (IN SQUARE FEET)									
LESS THAN 999	5.2	5.3	18	300	16.45	1.0	12.0	41	485
1,000 TO 1,999	5.3	7.8	26	430	16.26	.9	14.9	51	591
2,000 OR MORE	1.7	11.0	37	610	16.29	.3	17.9	61	830
YEAR HOUSE BUILT									
BEFORE 1950	3.4	6.0	21	324	15.70	.3	15.4	53	539
1950 TO 1974	6.2	7.2	24	409	16.70	.9	15.6	53	598
AFTER 1974	2.6	8.7	30	481	16.16	1.1	12.5	43	571
OWN/RENT									
OWN	6.8	8.6	29	484	16.47	1.2	16.0	55	683
RENT	5.4	5.4	18	295	16.04	1.1	11.9	41	463
1981 FAMILY INCOME									
LESS THAN $10,000	3.2	6.3	21	334	15.64	.7	11.5	39	467
$10,000 TO $19,999	3.7	6.1	21	353	16.94	.6	12.8	44	587
$20,000 TO $34,999	2.0	8.5	29	450	15.43	.4	17.4	59	638
$35,000 OR MORE	3.3	8.5	29	489	16.87	.5	16.7	57	678
TOTAL BELOW 100 PERCENT OF POVERTY LINE	1.5	6.8	23	353	15.25	.4	11.6	40	448
TOTAL BELOW 125 PERCENT OF POVERTY LINE	2.2	6.7	23	366	16.03	.5	11.3	39	467
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS	4.4	6.5	22	340	15.32	.9	14.1	48	522
35 TO 59 YEARS	4.7	8.1	28	471	16.97	.8	14.7	50	616
60 YEARS AND OVER	3.0	6.7	23	377	16.52	.6	13.1	45	605
HOUSEHOLD MEMBERS									
ONE PERSON	2.9	4.9	17	276	16.69	.6	11.0	38	536
2 TO 4 PEOPLE	7.9	7.6	26	420	16.21	1.5	14.4	49	578
5 OR MORE PEOPLE	1.3	9.8	34	553	16.45	.2	19.4	66	686

See footnotes at end of table.

Average Electricity Consumption and Expenditures

Table 5. (Continued)
Census Division: Pacific

HOUSEHOLD CHARACTERISTICS	ANY ELECTRICITY USED					ELECTRICITY USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS	8.4	5.1	17	338	19.42	-	-	-	-
ELECTRICITY	2.3	14.0	48	578	12.07	2.3	14.0	48	578
FUEL OIL OR KEROSENE	.3	9.9	34	357	10.53	-	-	-	-
LPG	.2	6.1	21	391	18.72	-	-	-	-
WOOD	.6	10.6	36	494	13.64	-	-	-	-
OTHER OR NONE	.4	4.8	16	563	34.51	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	8.6	5.0	17	347	20.17	0.4	8.6	29	573
ELECTRICITY	3.1	13.4	46	525	11.45	1.8	15.4	52	578
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER	.4	5.7	19	538	27.78	Q	Q	Q	Q
ALL ELECTRIC HOME									
YES	1.8	15.4	52	578	11.01	1.8	15.4	52	578
NO	10.3	5.7	20	369	18.84	.4	8.6	29	578
MAIN HEATING EQUIPMENT USING ELECTRICITY									
CENTRAL WARM AIR	.4	17.7	60	644	10.68	.4	17.7	60	644
HEAT PUMP	.3	13.3	45	698	15.39	.3	13.3	45	698
WALL UNITS	1.4	13.3	46	535	11.75	1.4	13.3	46	535
PIPELESS FURNACE	Q	Q	Q	Q	Q	Q	Q	Q	Q
PORTABLE HEATERS	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER	Q	Q	Q	Q	Q	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	.2	8.2	28	502	17.97	Q	Q	Q	Q
<2,000 CDD AND 5,500 TO 7,000 HDD	.3	19.8	68	623	9.20	.2	22.6	77	699
<2,000 CDD AND 4,000 TO 5,499 HDD	2.7	12.0	41	413	10.06	1.2	16.2	55	520
<2,000 CDD AND <4,000 HDD	8.7	5.3	18	377	20.68	.8	9.6	33	635
>2,000 CDD AND <4,000 HDD	.3	5.4	18	684	37.16	Q	Q	Q	Q

"-" = DATA NOT APPLICABLE.
"Q" = DATA WITHHELD BECAUSE OF A LARGE VARIANCE.
NOTE: BECAUSE OF ROUNDING, DATA MAY NOT SUM TO TOTALS. PERCENTAGES ARE CALCULATED ON UNROUNDED NUMBERS. SEE GLOSSARY FOR DEFINITION OF TERMS USED IN THIS REPORT.
SOURCE: ENERGY INFORMATION ADMINISTRATION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY END USE DIVISION, FORM EIA-457, THE 1982 RESIDENTIAL ENERGY CONSUMPTION SURVEY.

Average Fuel Oil/Kerosene Consumption and Expenditures

Table 6. U.S. Residential Fuel Oil or Kerosene Consumption and Expenditures—April 1982 Through March 1983, United States

HOUSEHOLD CHARACTERISTICS	ANY FUEL OIL OR KEROSENE USED					FUEL OIL OR KEROSENE USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	15.5	531	73	619	8.42	12.0	647	90	754
AREA TYPE									
METROPOLITAN	11.6	583	81	679	8.41	9.7	672	93	782
CENTRAL CITY	4.7	597	83	699	8.45	4.1	666	92	779
OUTSIDE CENTRAL CITY	6.9	574	79	666	8.38	5.6	676	94	785
NON-METROPOLITAN	3.9	374	52	438	8.48	2.3	546	75	638
FUEL OIL PAID BY HOUSEHOLD									
YES	12.1	504	70	588	8.43	8.9	644	89	750
NO	3.4	623	86	726	8.41	3.2	657	91	766
TYPE OF HOUSING STRUCTURE									
MOBILE HOME	.8	263	36	315	8.73	.6	341	47	410
SINGLE FAMILY	10.5	518	72	603	8.41	7.6	668	93	777
2 OR MORE UNITS	4.1	615	85	718	8.42	3.8	653	90	762
NUMBER OF ROOMS									
1 TO 3	2.1	527	73	615	8.44	1.7	599	83	699
4 TO 5	5.9	503	70	587	8.44	4.9	588	81	686
6 OR MORE	7.5	553	77	644	8.41	5.4	717	99	835
MEASURED HEATED SPACE OF RESI-DENCE (IN SQUARE FEET)									
LESS THAN 999	4.9	469	65	548	8.45	4.1	540	75	631
1,000 TO 1,999	6.3	530	73	620	8.46	5.0	634	88	742
2,000 OR MORE	4.3	603	84	698	8.35	3.0	817	113	945
YEAR HOUSE BUILT									
BEFORE 1950	8.0	619	86	721	8.41	6.8	699	97	814
1950 TO 1974	6.3	440	61	514	8.44	4.4	577	80	673
AFTER 1974	1.2	419	58	488	8.42	.8	598	83	698
OWN/RENT									
OWN	10.9	528	73	615	8.42	8.1	671	93	781
RENT	4.6	537	74	627	8.43	4.0	599	83	700
1981 FAMILY INCOME									
LESS THAN $10,000	4.7	548	76	639	8.43	4.1	612	85	713
$10,000 TO $19,999	4.7	536	74	625	8.43	3.8	632	87	738
$20,000 TO $34,999	2.4	473	66	549	8.38	1.5	675	94	782
$35,000 OR MORE	3.7	539	75	629	8.43	2.6	709	98	827
TOTAL BELOW 100 PERCENT OF POVERTY LINE	2.1	539	74	630	8.46	1.8	616	85	719
TOTAL BELOW 125 PERCENT OF POVERTY LINE	3.0	559	77	653	8.46	2.6	634	88	740
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS	4.1	432	60	505	8.44	2.9	553	77	646
35 TO 59 YEARS	6.4	525	73	612	8.41	4.7	673	93	783
60 YEARS AND OVER	5.0	617	85	719	8.43	4.4	682	94	795

See footnotes at end of table.

Average Fuel Oil/Kerosene Consumption and Expenditures

Table 6. (Continued)
United States

HOUSEHOLD CHARACTERISTICS	ANY FUEL OIL OR KEROSENE USED					FUEL OIL OR KEROSENE USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
HOUSEHOLD MEMBERS									
ONE PERSON	3.2	594	82	693	8.43	2.9	634	88	739
2 TO 4 PEOPLE	10.1	521	72	606	8.41	7.7	651	90	757
5 OR MORE PEOPLE	2.1	482	67	567	8.49	1.5	654	91	769
MAIN HEATING FUEL									
NATURAL GAS	1.0	90	12	106	8.53	-	-	-	-
ELECTRICITY	.9	74	10	87	8.61	-	-	-	-
FUEL OIL OR KEROSENE	12.0	647	90	754	8.42	12.0	647	90	754
LPG	.2	36	5	45	9.36	-	-	-	-
WOOD	1.2	193	27	228	8.55	-	-	-	-
OTHER OR NONE	.3	141	20	165	8.42	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	2.5	463	64	539	8.42	1.7	650	90	757
ELECTRICITY	6.5	390	54	455	8.44	4.6	509	70	592
FUEL OIL OR KEROSENE	5.7	733	102	856	8.42	5.2	766	106	894
OTHER	.8	455	63	524	8.35	.5	662	91	760
MAIN HEATING EQUIPMENT USING FUEL OIL									
STEAM OR HOT WATER SYSTEM	6.2	755	105	879	8.40	6.2	755	105	879
CENTRAL WARM AIR FURNACE	4.5	571	79	662	8.37	4.5	571	79	662
OTHER/NONE	4.8	204	28	242	8.64	1.3	411	56	490
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	2.4	534	74	615	8.32	1.7	683	94	783
<2,000 CDD AND 5,500 TO 7,000 HDD	4.1	630	87	734	8.42	3.4	734	102	856
<2,000 CDD AND 4,000 TO 5,499 HDD	7.1	553	77	647	8.44	5.7	658	91	769
<2,000 CDD AND <4,000 HDD	1.6	285	39	335	8.53	1.1	389	54	459
>2,000 CDD AND <4,000 HDD	.5	116	16	139	8.66	.3	147	20	177

See footnotes at end of table.

Average Fuel Oil/Kerosene Consumption and Expenditures

Table 6. (Continued) Census Region: Northeast

HOUSEHOLD CHARACTERISTICS	ANY FUEL OIL OR KEROSENE USED					FUEL OIL OR KEROSENE USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	8.8	647	90	756	8.43	7.6	726	101	848
AREA TYPE									
METROPOLITAN	7.6	663	92	773	8.42	6.7	732	102	854
CENTRAL CITY	3.2	699	97	816	8.43	3.0	738	102	862
OUTSIDE CENTRAL CITY	4.4	636	88	741	8.41	3.7	728	101	848
NON-METROPOLITAN	1.2	547	76	643	8.50	.8	676	94	795
FUEL OIL PAID BY HOUSEHOLD									
YES	6.0	649	90	758	8.43	4.8	760	105	888
NO	2.8	644	89	751	8.41	2.7	666	92	776
TYPE OF HOUSING STRUCTURE									
MOBILE HOME	.3	432	59	526	8.87	.2	502	69	613
SINGLE FAMILY	5.1	662	92	771	8.41	4.0	789	109	919
2 OR MORE UNITS	3.4	642	89	750	8.42	3.3	664	92	776
NUMBER OF ROOMS									
1 TO 3	1.5	588	81	686	8.42	1.3	634	88	739
4 TO 5	3.0	647	90	754	8.41	2.8	687	95	801
6 OR MORE	4.3	668	93	781	8.44	3.4	794	110	928
MEASURED HEATED SPACE OF RESI-DENCE (IN SQUARE FEET)									
LESS THAN 999	3.0	575	80	671	8.43	2.7	619	86	723
1,000 TO 1,999	3.3	670	93	784	8.44	2.9	729	101	852
2,000 OR MORE	2.5	705	98	821	8.40	1.9	876	121	1020
YEAR HOUSE BUILT									
BEFORE 1950	5.0	692	96	806	8.41	4.5	748	104	871
1950 TO 1974	3.2	578	80	679	8.47	2.5	696	97	817
AFTER 1974	.5	644	89	749	8.38	.5	681	94	791
OWN/RENT									
OWN	5.7	672	93	785	8.43	4.7	779	108	910
RENT	3.1	602	83	702	8.41	2.9	639	89	745
1981 FAMILY INCOME									
LESS THAN $10,000	2.7	651	90	759	8.41	2.5	686	95	800
$10,000 TO $19,999	2.7	636	88	743	8.44	2.4	700	97	819
$20,000 TO $34,999	1.3	596	83	694	8.39	1.0	746	103	868
$35,000 OR MORE	2.1	690	96	807	8.44	1.7	812	113	950
TOTAL BELOW 100 PERCENT OF POVERTY LINE	1.0	630	87	737	8.44	1.0	643	89	752
TOTAL BELOW 125 PERCENT OF POVERTY LINE	1.8	644	89	754	8.45	1.6	690	96	808
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS	2.2	544	75	636	8.45	1.8	628	87	735
35 TO 59 YEARS	3.7	644	89	753	8.44	3.0	751	104	878
60 YEARS AND OVER	2.9	727	101	847	8.40	2.8	762	106	887
HOUSEHOLD MEMBERS									
ONE PERSON	2.0	664	92	773	8.40	1.9	685	95	796
2 TO 4 PEOPLE	5.5	645	89	753	8.42	4.6	740	103	864
5 OR MORE PEOPLE	1.2	630	87	741	8.49	1.0	743	103	875

See footnotes at end of table.

Average Fuel Oil/Kerosene Consumption and Expenditures

Table 6. (Continued)
Census Region: Northeast

HOUSEHOLD CHARACTERISTICS	ANY FUEL OIL OR KEROSENE USED					FUEL OIL OR KEROSENE USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS	.4	106	14	123	8.57	-	-	-	-
ELECTRICITY	.2	90	12	104	8.46	-	-	-	-
FUEL OIL OR KEROSENE	7.6	726	101	848	8.42	7.6	726	101	848
LPG	Q	Q	Q	Q	Q	-	-	-	-
WOOD	.5	270	37	316	8.47	-	-	-	-
OTHER OR NONE	.2	123	17	143	8.41	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	1.7	548	76	640	8.43	1.3	669	93	781
ELECTRICITY	1.8	491	68	576	8.48	1.3	604	84	709
FUEL OIL OR KEROSENE	5.0	746	103	870	8.41	4.7	775	107	903
OTHER	.3	475	66	559	8.52	.2	790	109	933
MAIN HEATING EQUIPMENT USING FUEL OIL									
STEAM OR HOT WATER SYSTEM	5.5	769	107	897	8.41	5.5	769	107	897
CENTRAL WARM AIR FURNACE	1.9	610	84	713	8.44	1.9	610	84	713
OTHER/NONE	1.4	235	32	276	8.54	.2	674	93	796
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	1.0	546	76	643	8.50	.8	664	92	782
<2,000 CDD AND 5,500 TO 7,000 HDD	3.2	688	95	802	8.42	2.8	760	105	887
<2,000 CDD AND 4,000 TO 5,499 HDD	4.6	642	89	749	8.42	4.0	714	99	833
<2,000 CDD AND <4,000 HDD	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Average Fuel Oil/Kerosene Consumption and Expenditures

Table 6. (Continued) Census Division: New England

HOUSEHOLD CHARACTERISTICS	ANY FUEL OIL OR KEROSENE USED					FUEL OIL OR KEROSENE USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	2.5	697	97	818	8.47	2.1	765	106	899
AREA TYPE									
METROPOLITAN	1.9	732	101	859	8.47	1.7	783	108	919
CENTRAL CITY	.6	730	101	855	8.44	.5	760	105	890
OUTSIDE CENTRAL CITY	1.3	733	102	862	8.49	1.1	794	110	934
NON-METROPOLITAN	.6	595	82	698	8.47	.5	705	98	826
FUEL OIL PAID BY HOUSEHOLD									
YES	2.0	726	101	853	8.48	1.7	799	111	940
NO	.5	579	80	674	8.41	.4	634	88	739
TYPE OF HOUSING STRUCTURE									
MOBILE HOME	Q	Q	Q	Q	Q	Q	Q	Q	Q
SINGLE FAMILY	1.6	757	105	887	8.46	1.3	857	119	1005
2 OR MORE UNITS	.8	602	84	705	8.45	.8	635	88	744
NUMBER OF ROOMS									
1 TO 3	Q	Q	Q	Q	Q	Q	Q	Q	Q
4 TO 5	1.0	624	86	731	8.45	.9	659	91	772
6 OR MORE	1.4	778	108	915	8.48	1.1	872	121	1026
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 999	.6	547	76	647	8.55	.5	605	84	715
1,000 TO 1,999	1.2	676	94	793	8.46	1.0	722	100	847
2,000 OR MORE	.8	840	116	984	8.45	.6	969	134	1136
YEAR HOUSE BUILT									
BEFORE 1950	1.5	723	100	845	8.43	1.3	788	109	921
1950 TO 1974	.9	627	87	743	8.54	.7	702	97	833
AFTER 1974	Q	Q	Q	Q	Q	Q	Q	Q	Q
OWN/RENT									
OWN	1.8	728	101	856	8.48	1.5	812	113	954
RENT	.7	613	85	717	8.44	.6	652	90	763
1981 FAMILY INCOME									
LESS THAN $10,000	.6	673	93	787	8.44	.5	695	96	812
$10,000 TO $19,999	.7	736	102	863	8.47	.6	800	111	939
$20,000 TO $34,999	.4	633	88	746	8.50	.3	801	111	943
$35,000 OR MORE	.8	708	98	833	8.49	.7	775	107	912
TOTAL BELOW 100 PERCENT OF POVERTY LINE	Q	Q	Q	Q	Q	Q	Q	Q	Q
TOTAL BELOW 125 PERCENT OF POVERTY LINE	.3	666	92	787	8.54	.2	714	99	843
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS	.7	597	83	699	8.45	.6	663	92	777
35 TO 59 YEARS	1.0	704	98	830	8.51	.8	795	110	937
60 YEARS AND OVER	.7	787	109	920	8.43	.7	821	114	959
HOUSEHOLD MEMBERS									
ONE PERSON	.4	671	93	781	8.40	.4	726	101	842
2 TO 4 PEOPLE	1.8	703	97	828	8.50	1.6	771	107	908
5 OR MORE PEOPLE	.2	690	96	804	8.41	.2	794	110	926

See footnotes at end of table.

Average Fuel Oil/Kerosene Consumption and Expenditures

Table 6. (Continued) Census Division: New England

HOUSEHOLD CHARACTERISTICS	ANY FUEL OIL OR KEROSENE USED					FUEL OIL OR KEROSENE USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS	Q	Q	Q	Q	Q	-	-	-	-
ELECTRICITY	Q	Q	Q	Q	Q	-	-	-	-
FUEL OIL OR KEROSENE	2.1	765	106	899	8.47	2.1	765	106	899
LPG	Q	Q	Q	Q	Q	-	-	-	-
WOOD	.3	328	45	384	8.48	-	-	-	-
OTHER OR NONE	Q	Q	Q	Q	Q	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	0.5	719	100	841	8.43	0.5	743	103	869
ELECTRICITY	.4	585	81	697	8.61	.3	674	93	804
FUEL OIL OR KEROSENE	1.4	754	104	884	8.46	1.3	812	113	952
OTHER	Q	Q	Q	Q	Q	Q	Q	Q	Q
MAIN HEATING EQUIPMENT USING FUEL OIL									
STEAM OR HOT WATER SYSTEM	1.6	814	113	956	8.47	1.6	814	113	956
CENTRAL WARM AIR FURNACE	.5	567	79	664	8.44	.5	567	79	664
OTHER/NONE	.4	389	54	459	8.56	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	.7	602	83	705	8.45	.6	697	97	816
<2,000 CDD AND 5,500 TO 7,000 HDD	1.8	736	102	865	8.48	1.6	790	110	928
<2,000 CDD AND 4,000 TO 5,499 HDD	-	-	-	-	-	-	-	-	-
<2,000 CDD AND <4,000 HDD	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Average Fuel Oil/Kerosene Consumption and Expenditures

Table 6. (Continued) Census Division: Middle Atlantic

HOUSEHOLD CHARACTERISTICS	ANY FUEL OIL OR KEROSENE USED					FUEL OIL OR KEROSENE USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	6.3	628	87	731	8.41	5.4	711	99	828
AREA TYPE									
METROPOLITAN	5.8	640	89	745	8.40	5.1	716	99	833
CENTRAL CITY	2.7	692	96	808	8.43	2.5	733	102	856
OUTSIDE CENTRAL CITY	3.1	596	83	691	8.37	2.6	700	97	811
NON-METROPOLITAN	.5	489	68	577	8.54	.4	637	88	754
FUEL OIL PAID BY HOUSEHOLD									
YES	4.0	610	85	710	8.40	3.1	739	102	861
NO	2.4	657	91	767	8.41	2.3	672	93	783
TYPE OF HOUSING STRUCTURE									
MOBILE HOME	.2	374	51	448	8.77	Q	Q	Q	Q
SINGLE FAMILY	3.5	619	86	720	8.39	2.8	757	105	880
2 OR MORE UNITS	2.6	655	91	764	8.42	2.5	672	93	785
NUMBER OF ROOMS									
1 TO 3	1.3	608	84	709	8.41	1.2	646	90	753
4 TO 5	2.0	658	91	766	8.40	1.9	700	97	814
6 OR MORE	3.0	616	85	718	8.41	2.3	755	105	879
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 999	2.5	581	81	677	8.40	2.3	622	86	725
1,000 TO 1,999	2.1	667	92	779	8.43	1.9	732	101	855
2,000 OR MORE	1.7	647	90	751	8.37	1.3	833	116	967
YEAR HOUSE BUILT									
BEFORE 1950	3.5	678	94	789	8.40	3.2	731	101	851
1950 TO 1974	2.3	560	78	654	8.44	1.8	694	96	811
AFTER 1974	.4	581	81	671	8.33	.4	623	86	720
OWN/RENT									
OWN	3.9	646	89	752	8.40	3.2	764	106	889
RENT	2.4	598	83	698	8.41	2.2	635	88	740
1981 FAMILY INCOME									
LESS THAN $10,000	2.1	645	89	752	8.40	2.0	684	95	796
$10,000 TO $19,999	2.0	601	83	701	8.43	1.7	665	92	777
$20,000 TO $34,999	.9	581	81	673	8.35	.7	727	101	841
$35,000 OR MORE	1.2	677	94	790	8.41	1.0	838	116	977
TOTAL BELOW 100 PERCENT OF POVERTY LINE	.9	645	89	754	8.43	.9	659	91	770
TOTAL BELOW 125 PERCENT OF POVERTY LINE	1.5	640	89	748	8.44	1.3	686	95	802
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS	1.4	516	72	604	8.44	1.2	609	84	713
35 TO 59 YEARS	2.7	621	86	723	8.40	2.2	734	102	855
60 YEARS AND OVER	2.2	708	98	823	8.39	2.1	742	103	863
HOUSEHOLD MEMBERS									
ONE PERSON	1.6	662	92	771	8.40	1.6	676	94	786
2 TO 4 PEOPLE	3.7	616	85	715	8.38	3.0	724	100	841
5 OR MORE PEOPLE	1.0	615	85	726	8.51	.8	731	101	863

See footnotes at end of table.

Average Fuel Oil/Kerosene Consumption and Expenditures

Table 6. (Continued) Census Division: Middle Atlantic

HOUSEHOLD CHARACTERISTICS	ANY FUEL OIL OR KEROSENE USED					FUEL OIL OR KEROSENE USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS	.4	104	14	121	8.59	-	-	-	-
ELECTRICITY	Q	Q	Q	Q	Q	-	-	-	-
FUEL OIL OR KEROSENE	5.4	711	99	828	8.40	5.4	711	99	828
LPG	Q	Q	Q	Q	Q	-	-	-	-
WOOD	.2	196	27	229	8.44	-	-	-	-
OTHER OR NONE	Q	Q	Q	Q	Q	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	1.2	475	66	554	8.43	0.9	627	87	731
ELECTRICITY	1.3	461	64	538	8.42	1.0	580	80	677
FUEL OIL OR KEROSENE	3.6	743	103	864	8.39	3.5	761	106	886
OTHER	.2	574	79	684	8.62	Q	Q	Q	Q
MAIN HEATING EQUIPMENT USING FUEL OIL									
STEAM OR HOT WATER SYSTEM	3.9	750	104	872	8.39	3.9	750	104	872
CENTRAL WARM AIR FURNACE	1.4	623	86	730	8.44	1.4	623	86	730
OTHER/NONE	1.0	172	24	201	8.52	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	.3	416	57	498	8.68	.2	566	78	683
<2,000 CDD AND 5,500 TO 7,000 HDD	1.4	627	87	724	8.33	1.2	722	100	833
<2,000 CDD AND 4,000 TO 5,499 HDD	4.6	642	89	749	8.42	4.0	714	99	833
<2,000 CDD AND <4,000 HDD	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Average Fuel Oil/Kerosene Consumption and Expenditures

Table 6. (Continued) Census Region: North Central

HOUSEHOLD CHARACTERISTICS	ANY FUEL OIL OR KEROSENE USED					FUEL OIL OR KEROSENE USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	2.4	466	64	532	8.28	1.6	650	90	740
AREA TYPE									
METROPOLITAN	1.4	557	77	629	8.17	1.1	671	93	757
CENTRAL CITY	.4	533	74	611	8.31	.3	655	90	750
OUTSIDE CENTRAL CITY	1.0	568	79	637	8.11	.8	677	94	760
NON-METROPOLITAN	1.0	334	46	392	8.55	.5	597	82	698
FUEL OIL PAID BY HOUSEHOLD									
YES	2.1	455	63	519	8.26	1.3	657	91	745
NO	.3	553	77	644	8.41	.2	609	84	710
TYPE OF HOUSING STRUCTURE									
MOBILE HOME	.2	185	25	218	8.74	Q	Q	Q	Q
SINGLE FAMILY	1.9	473	65	539	8.26	1.2	667	92	757
2 OR MORE UNITS	.3	561	78	646	8.31	.3	627	87	723
NUMBER OF ROOMS									
1 TO 3	.3	409	56	481	8.61	.2	566	77	666
4 TO 5	1.1	459	63	529	8.35	.8	615	85	705
6 OR MORE	1.0	490	68	551	8.12	.6	722	100	809
MEASURED HEATED SPACE OF RESI-DENCE (IN SQUARE FEET)									
LESS THAN 999	.5	399	55	457	8.31	.3	569	78	648
1,000 TO 1,999	1.1	464	64	539	8.42	.8	611	84	707
2,000 OR MORE	.8	508	70	567	8.07	.5	774	107	860
YEAR HOUSE BUILT									
BEFORE 1950	1.2	578	80	659	8.25	.9	727	100	828
1950 TO 1974	.8	325	45	367	8.23	.4	533	73	596
AFTER 1974	.3	386	53	454	8.51	.2	541	75	637
OWN/RENT									
OWN	2.0	460	63	524	8.26	1.3	660	91	750
RENT	.4	498	69	575	8.34	.3	606	84	699
1981 FAMILY INCOME									
LESS THAN $10,000	.7	539	74	619	8.33	.5	677	93	774
$10,000 TO $19,999	.8	434	60	497	8.31	.6	607	84	695
$20,000 TO $34,999	.4	386	53	443	8.31	.2	574	79	655
$35,000 OR MORE	.4	489	68	548	8.09	.3	763	106	853
TOTAL BELOW 100 PERCENT OF POVERTY LINE	.3	616	85	704	8.31	.2	831	114	946
TOTAL BELOW 125 PERCENT OF POVERTY LINE	.4	620	85	707	8.30	.3	767	106	872
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS	.6	345	48	399	8.36	.3	564	78	648
35 TO 59 YEARS	.9	457	63	514	8.13	.6	685	95	767
60 YEARS AND OVER	.9	556	77	641	8.37	.7	657	90	757
HOUSEHOLD MEMBERS									
ONE PERSON	.4	581	80	674	8.41	.3	690	95	800
2 TO 4 PEOPLE	1.6	469	65	531	8.21	1.1	654	90	739
5 OR MORE PEOPLE	.3	295	41	347	8.51	Q	Q	Q	Q

See footnotes at end of table.

Average Fuel Oil/Kerosene Consumption and Expenditures

Table 6. (Continued) Census Region: North Central

HOUSEHOLD CHARACTERISTICS	ANY FUEL OIL OR KEROSENE USED					FUEL OIL OR KEROSENE USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS	.3	34	5	40	8.63	-	-	-	-
ELECTRICITY	.3	101	14	120	8.72	-	-	-	-
FUEL OIL OR KEROSENE	1.6	650	90	740	8.25	1.6	650	90	740
LPG	Q	Q	Q	Q	Q	-	-	-	-
WOOD	.2	211	29	251	8.60	-	-	-	-
OTHER OR NONE	Q	Q	Q	Q	Q	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	0.4	301	42	341	8.16	0.2	665	92	751
ELECTRICITY	1.6	498	69	569	8.29	1.1	643	89	733
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER	.2	449	62	503	8.09	Q	Q	Q	Q
MAIN HEATING EQUIPMENT USING FUEL OIL									
STEAM OR HOT WATER SYSTEM	.2	589	82	670	8.20	.2	589	82	670
CENTRAL WARM AIR FURNACE	1.1	650	90	736	8.19	1.1	650	90	736
OTHER/NONE	1.0	215	29	254	8.64	.2	733	100	864
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	1.3	527	73	594	8.15	.9	691	95	773
<2,000 CDD AND 5,500 TO 7,000 HDD	.8	424	59	496	8.47	.5	638	88	746
<2,000 CDD AND 4,000 TO 5,499 HDD	.3	317	43	370	8.52	.2	489	67	570
<2,000 CDD AND <4,000 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q
>2,000 CDD AND <4,000 HDD	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Average Fuel Oil/Kerosene Consumption and Expenditures

Table 6. (Continued) Census Division: East North Central

HOUSEHOLD CHARACTERISTICS	ANY FUEL OIL OR KEROSENE USED					FUEL OIL OR KEROSENE USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	1.8	503	69	577	8.31	1.3	681	94	779
AREA TYPE									
METROPOLITAN	1.2	587	81	663	8.17	1.0	678	94	766
CENTRAL CITY	.3	562	78	652	8.40	.3	648	90	752
OUTSIDE CENTRAL CITY	.8	597	83	668	8.09	.7	689	95	771
NON-METROPOLITAN	.7	360	49	430	8.70	.3	692	95	826
FUEL OIL PAID BY HOUSEHOLD									
YES	1.6	488	67	558	8.30	1.0	697	96	795
NO	.2	609	84	710	8.41	.2	609	84	710
TYPE OF HOUSING STRUCTURE									
MOBILE HOME	Q	Q	Q	Q	Q	Q	Q	Q	Q
SINGLE FAMILY	1.5	518	71	591	8.28	1.0	710	98	808
2 OR MORE UNITS	.3	600	83	699	8.41	.3	600	83	699
NUMBER OF ROOMS									
1 TO 3	.2	457	62	546	8.75	Q	Q	Q	Q
4 TO 5	.9	453	62	526	8.42	.6	618	85	715
6 OR MORE	.7	579	80	651	8.12	.5	774	107	867
MEASURED HEATED SPACE OF RESI-DENCE (IN SQUARE FEET)									
LESS THAN 999	.3	380	52	444	8.47	.2	596	82	692
1,000 TO 1,999	.9	500	69	582	8.46	.7	632	87	735
2,000 OR MORE	.6	569	79	635	8.08	.4	805	111	895
YEAR HOUSE BUILT									
BEFORE 1950	1.0	606	84	692	8.27	.8	762	105	870
1950 TO 1974	.5	327	45	374	8.33	.3	554	76	627
AFTER 1974	.3	463	64	544	8.50	.2	541	75	637
OWN/RENT									
OWN	1.6	489	67	559	8.29	1.0	700	97	798
RENT	.3	579	80	677	8.43	.2	603	84	705
1981 FAMILY INCOME									
LESS THAN $10,000	.5	570	79	660	8.41	.4	715	99	826
$10,000 TO $19,999	.7	460	63	530	8.37	.4	644	89	743
$20,000 TO $34,999	.3	403	56	463	8.33	.2	586	81	667
$35,000 OR MORE	.3	573	79	640	8.06	.2	766	106	854
TOTAL BELOW 100 PERCENT OF POVERTY LINE	.2	672	92	778	8.41	.2	924	127	1065
TOTAL BELOW 125 PERCENT OF POVERTY LINE	.3	671	92	771	8.36	.2	844	116	966
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS	.4	346	48	402	8.40	.2	538	82	679
35 TO 59 YEARS	.7	532	74	598	8.13	.5	726	100	813
60 YEARS AND OVER	.7	569	78	662	8.46	.6	677	93	787
HOUSEHOLD MEMBERS									
ONE PERSON	.3	665	92	784	8.56	.2	757	104	894
2 TO 4 PEOPLE	1.3	518	72	588	8.22	.9	681	94	770
5 OR MORE PEOPLE	.3	260	36	307	8.56	Q	Q	Q	Q

See footnotes at end of table.

Average Fuel Oil/Kerosene Consumption and Expenditures

Table 6. (Continued) Census Division: East North Central

HOUSEHOLD CHARACTERISTICS	ANY FUEL OIL OR KEROSENE USED					FUEL OIL OR KEROSENE USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS	.2	35	5	41	8.63	-	-	-	-
ELECTRICITY	.2	109	15	131	8.75	-	-	-	-
FUEL OIL OR KEROSENE	1.3	681	94	779	8.29	1.3	681	94	779
LPG	Q	Q	Q	Q	Q	-	-	-	-
WOOD	.2	219	30	260	8.58	-	-	-	-
OTHER OR NONE	Q	Q	Q	Q	Q	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	0.2	289	40	335	8.36	Q	Q	Q	Q
ELECTRICITY	1.3	529	73	606	8.32	0.9	678	93	776
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER	.2	525	73	587	8.08	Q	Q	Q	Q
MAIN HEATING EQUIPMENT USING FUEL OIL									
STEAM OR HOT WATER SYSTEM	.2	547	76	628	8.27	.2	547	76	628
CENTRAL WARM AIR FURNACE	.9	690	95	785	8.22	.9	690	95	785
OTHER/NONE	.7	251	34	297	8.66	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	1.0	557	77	628	8.17	.7	737	102	825
<2,000 CDD AND 5,500 TO 7,000 HDD	.7	456	63	532	8.47	.5	638	88	746
<2,000 CDD AND 4,000 TO 5,499 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q
<2,000 CDD AND <4,000 HDD	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Average Fuel Oil/Kerosene Consumption and Expenditures

Table 6. (Continued) Census Division: West North Central

HOUSEHOLD CHARACTERISTICS	ANY FUEL OIL OR KEROSENE USED					FUEL OIL OR KEROSENE USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	0.5	331	46	368	8.08	0.3	519	72	576
AREA TYPE									
METROPOLITAN	.2	404	56	454	8.11	Q	Q	Q	Q
CENTRAL CITY	Q	Q	Q	Q	Q	Q	Q	Q	Q
OUTSIDE CENTRAL CITY	Q	Q	Q	Q	Q	Q	Q	Q	Q
NON-METROPOLITAN	.3	271	37	299	8.03	.2	426	58	466
FUEL OIL PAID BY HOUSEHOLD									
YES	.5	347	48	386	8.08	.3	519	72	576
NO	Q	Q	Q	Q	Q	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE									
MOBILE HOME	Q	Q	Q	Q	Q	Q	Q	Q	Q
SINGLE FAMILY	.4	317	44	355	8.11	.2	495	68	552
2 OR MORE UNITS	Q	Q	Q	Q	Q	Q	Q	Q	Q
NUMBER OF ROOMS									
1 TO 3	Q	Q	Q	Q	Q	Q	Q	Q	Q
4 TO 5	.2	487	67	542	8.05	.2	600	83	666
6 OR MORE	.2	206	28	231	8.14	Q	Q	Q	Q
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 999	Q	Q	Q	Q	Q	Q	Q	Q	Q
1,000 TO 1,999	.2	317	44	357	8.15	Q	Q	Q	Q
2,000 OR MORE	Q	Q	Q	Q	Q	Q	Q	Q	Q
YEAR HOUSE BUILT									
BEFORE 1950	.2	433	60	487	8.13	.2	541	75	607
1950 TO 1974	.2	320	44	352	7.99	.2	496	68	544
AFTER 1974	Q	Q	Q	Q	Q	Q	Q	Q	Q
OWN/RENT									
OWN	0.4	339	47	380	8.12	0.2	497	69	555
RENT	Q	Q	Q	Q	Q	Q	Q	Q	Q
1981 FAMILY INCOME									
LESS THAN $10,000	.2	430	59	470	7.97	Q	Q	Q	Q
$10,000 TO $19,999	.2	319	44	350	7.94	Q	Q	Q	Q
$20,000 TO $34,999	Q	Q	Q	Q	Q	Q	Q	Q	Q
$35,000 OR MORE	Q	Q	Q	Q	Q	Q	Q	Q	Q
TOTAL BELOW 100 PERCENT OF POVERTY LINE	Q	Q	Q	Q	Q	Q	Q	Q	Q
TOTAL BELOW 125 PERCENT OF POVERTY LINE	Q	Q	Q	Q	Q	Q	Q	Q	Q
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS	Q	Q	Q	Q	Q	Q	Q	Q	Q
35 TO 59 YEARS	.2	205	28	229	8.14	Q	Q	Q	Q
60 YEARS AND OVER	.2	496	69	543	7.93	Q	Q	Q	Q
HOUSEHOLD MEMBERS									
ONE PERSON	Q	Q	Q	Q	Q	Q	Q	Q	Q
2 TO 4 PEOPLE	.3	274	38	306	8.13	.2	505	70	562
5 OR MORE PEOPLE	Q	Q	Q	Q	Q	Q	Q	Q	Q

See footnotes at end of table.

Average Fuel Oil/Kerosene Consumption and Expenditures

Table 6. (Continued) Census Division: West North Central

HOUSEHOLD CHARACTERISTICS	ANY FUEL OIL OR KEROSENE USED					FUEL OIL OR KEROSENE USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS	Q	Q	Q	Q	Q	-	-	-	-
ELECTRICITY	Q	Q	Q	Q	Q	-	-	-	-
FUEL OIL OR KEROSENE	.3	519	72	576	8.04	.3	519	72	576
LPG	Q	Q	Q	Q	Q	-	-	-	-
WOOD	Q	Q	Q	Q	Q	-	-	-	-
OTHER OR NONE	Q	Q	Q	Q	Q	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	0.2	319	44	349	7.90	Q	Q	Q	Q
ELECTRICITY	.3	365	50	410	8.15	0.2	488	67	547
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER	Q	Q	Q	Q	Q	Q	Q	Q	Q
MAIN HEATING EQUIPMENT USING FUEL OIL									
STEAM OR HOT WATER SYSTEM	Q	Q	Q	Q	Q	Q	Q	Q	Q
CENTRAL WARM AIR FURNACE	.2	487	67	539	8.01	.2	487	67	539
OTHER/NONE	.2	109	15	126	8.52	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	.3	430	59	480	8.08	.2	553	76	616
<2,000 CDD AND 5,500 TO 7,000 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q
<2,000 CDD AND 4,000 TO 5,499 HDD	.2	253	35	280	8.06	Q	Q	Q	Q
<2,000 CDD AND <4,000 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q
>2,000 CDD AND <4,000 HDD	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Average Fuel Oil/Kerosene Consumption and Expenditures

Table 6. (Continued)
Census Region: South

HOUSEHOLD CHARACTERISTICS	ANY FUEL OIL OR KEROSENE USED					FUEL OIL OR KEROSENE USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	3.7	326	45	383	8.51	2.5	442	61	519
AREA TYPE									
METROPOLITAN	2.1	365	50	431	8.54	1.6	465	64	550
CENTRAL CITY	.8	306	42	365	8.64	.6	378	52	453
OUTSIDE CENTRAL CITY	1.3	403	56	473	8.50	1.0	519	72	610
NON-METROPOLITAN	1.6	271	37	316	8.45	.9	402	55	466
FUEL OIL PAID BY HOUSEHOLD									
YES	3.4	312	43	367	8.52	2.3	429	59	504
NO	.3	480	67	560	8.41	.2	596	83	695
TYPE OF HOUSING STRUCTURE									
MOBILE HOME	.4	182	25	214	8.53	.3	217	30	255
SINGLE FAMILY	2.9	333	46	392	8.52	1.9	466	64	548
2 OR MORE UNITS	.4	418	58	488	8.43	.2	536	74	626
NUMBER OF ROOMS									
1 TO 3	.3	307	42	359	8.46	.2	364	50	426
4 TO 5	1.5	299	41	355	8.60	1.2	371	51	440
6 OR MORE	1.9	350	48	409	8.45	1.1	528	73	617
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 999	1.2	259	36	306	8.58	.9	308	42	365
1,000 TO 1,999	1.6	330	45	389	8.56	1.1	447	62	528
2,000 OR MORE	.8	414	57	481	8.38	.5	678	94	785
YEAR HOUSE BUILT									
BEFORE 1950	1.3	459	63	543	8.56	1.1	532	73	629
1950 TO 1974	2.0	276	38	322	8.46	1.3	380	53	444
AFTER 1974	.4	114	16	133	8.51	Q	Q	Q	Q
OWN/RENT									
OWN	2.7	308	43	362	8.50	1.8	436	60	511
RENT	1.0	374	52	441	8.53	.7	457	63	540
1981 FAMILY INCOME									
LESS THAN $10,000	1.2	329	45	391	8.60	.9	389	54	461
$10,000 TO $19,999	1.0	384	53	451	8.51	.8	470	65	552
$20,000 TO $34,999	.6	283	39	326	8.32	.3	549	76	630
$35,000 OR MORE	1.0	286	40	337	8.50	.5	441	61	519
TOTAL BELOW 100 PERCENT OF POVERTY LINE	.7	368	51	438	8.64	.5	464	64	551
TOTAL BELOW 125 PERCENT OF POVERTY LINE	.8	354	49	421	8.62	.6	426	59	505
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS	1.2	288	40	336	8.45	.8	392	54	458
35 TO 59 YEARS	1.5	306	42	358	8.47	.9	453	63	530
60 YEARS AND OVER	1.1	395	54	469	8.61	.8	477	66	565
HOUSEHOLD MEMBERS									
ONE PERSON	.6	414	57	490	8.60	.5	448	62	530
2 TO 4 PEOPLE	2.6	314	43	369	8.50	1.7	441	61	518
5 OR MORE PEOPLE	.5	271	37	315	8.43	.3	435	60	507

See footnotes at end of table.

Average Fuel Oil/Kerosene Consumption and Expenditures

Table 6. (Continued)
Census Region: South

HOUSEHOLD CHARACTERISTICS	ANY FUEL OIL OR KEROSENE USED					FUEL OIL OR KEROSENE USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS	.2	134	18	156	8.44	-	-	-	-
ELECTRICITY	.4	48	6	56	8.64	-	-	-	-
FUEL OIL OR KEROSENE	2.5	442	61	519	8.51	2.5	442	61	519
LPG	Q	Q	Q	Q	Q	-	-	-	-
WOOD	.4	99	14	118	8.66	-	-	-	-
OTHER OR NONE	Q	Q	Q	Q	Q	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	0.4	297	41	351	8.56	0.2	507	70	601
ELECTRICITY	2.6	261	36	307	8.53	1.7	362	50	425
FUEL OIL OR KEROSENE	.4	670	93	792	8.53	.4	711	99	842
OTHER	.3	438	60	502	8.35	.2	531	73	609
MAIN HEATING EQUIPMENT USING FUEL OIL									
STEAM OR HOT WATER SYSTEM	.4	677	94	787	8.39	.4	677	94	787
CENTRAL WARM AIR FURNACE	1.1	455	63	531	8.44	1.1	455	63	531
OTHER/NONE	2.1	180	25	215	8.71	.9	307	42	368
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	-	-	-	-	-	-	-	-	-
<2,000 CDD AND 5,500 TO 7,000 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q
<2,000 CDD AND 4,000 TO 5,499 HDD	1.8	413	57	485	8.50	1.2	556	77	652
<2,000 CDD AND <4,000 HDD	1.5	285	39	335	8.52	1.1	391	54	460
>2,000 CDD AND <4,000 HDD	.4	108	15	130	8.71	.3	147	20	177

See footnotes at end of table.

Average Fuel Oil/Kerosene Consumption and Expenditures

Table 6. (Continued) Census Division: South Atlantic

HOUSEHOLD CHARACTERISTICS	ANY FUEL OIL OR KEROSENE USED					FUEL OIL OR KEROSENE USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	3.2	354	49	417	8.52	2.4	445	61	523
AREA TYPE									
METROPOLITAN	2.0	390	54	461	8.54	1.6	467	65	552
CENTRAL CITY	.7	353	49	422	8.64	.6	381	53	457
OUTSIDE CENTRAL CITY	1.3	410	57	482	8.50	1.0	519	72	610
NON-METROPOLITAN	1.3	299	41	348	8.46	.8	403	55	468
FUEL OIL PAID BY HOUSEHOLD									
YES	2.9	342	47	402	8.53	2.2	431	60	508
NO	.3	480	67	560	8.41	.2	596	83	695
TYPE OF HOUSING STRUCTURE									
MOBILE HOME	.3	206	28	242	8.53	.3	220	30	259
SINGLE FAMILY	2.6	360	50	424	8.53	1.8	468	65	551
2 OR MORE UNITS	.3	453	63	529	8.43	.2	536	74	626
NUMBER OF ROOMS									
1 TO 3	.3	326	45	381	8.45	.2	364	50	426
4 TO 5	1.3	321	44	381	8.61	1.1	371	51	441
6 OR MORE	1.6	386	53	452	8.46	1.1	534	74	623
MEASURED HEATED SPACE OF RESI-DENCE (IN SQUARE FEET)									
LESS THAN 999	1.1	275	38	325	8.58	.8	310	43	367
1,000 TO 1,999	1.4	356	49	421	8.56	1.1	445	61	527
2,000 OR MORE	.7	471	65	548	8.39	.4	697	97	808
YEAR HOUSE BUILT									
BEFORE 1950	1.3	472	65	558	8.56	1.0	534	74	631
1950 TO 1974	1.8	297	41	347	8.45	1.2	381	53	446
AFTER 1974	.2	119	16	141	8.61	Q	Q	Q	Q
OWN/RENT									
OWN	2.3	339	47	398	8.51	1.7	440	61	516
RENT	.9	393	54	464	8.52	.7	456	63	539
1981 FAMILY INCOME									
LESS THAN $10,000	1.1	335	46	398	8.60	.9	389	54	461
$10,000 TO $19,999	.8	408	56	479	8.51	.7	473	65	556
$20,000 TO $34,999	.4	355	49	408	8.31	.2	582	81	668
$35,000 OR MORE	.8	325	45	383	8.51	.5	443	61	523
TOTAL BELOW 100 PERCENT OF POVERTY LINE	.6	383	53	456	8.64	.5	464	64	551
TOTAL BELOW 125 PERCENT OF POVERTY LINE	.8	366	51	436	8.62	.6	426	59	505
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS	1.0	321	44	375	8.45	.7	398	55	465
35 TO 59 YEARS	1.3	330	46	386	8.47	.8	453	63	532
60 YEARS AND OVER	1.0	418	58	497	8.61	.8	477	66	565
HOUSEHOLD MEMBERS									
ONE PERSON	.6	414	57	490	8.60	.5	448	62	530
2 TO 4 PEOPLE	2.2	350	48	411	8.50	1.6	444	61	522
5 OR MORE PEOPLE	.4	284	39	332	8.44	.2	439	61	513

See footnotes at end of table.

Average Fuel Oil/Kerosene Consumption and Expenditures

Table 6. (Continued) Census Division: South Atlantic

HOUSEHOLD CHARACTERISTICS	ANY FUEL OIL OR KEROSENE USED					FUEL OIL OR KEROSENE USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS	.2	167	23	195	8.42	-	-	-	-
ELECTRICITY	.2	59	8	69	8.63	-	-	-	-
FUEL OIL OR KEROSENE	2.4	445	61	523	8.51	2.4	445	61	523
LPG	Q	Q	Q	Q	Q	-	-	-	-
WOOD	.4	107	15	128	8.66	-	-	-	-
OTHER OR NONE	Q	Q	Q	Q	Q	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	0.3	327	45	387	8.57	0.2	518	72	615
ELECTRICITY	2.2	286	39	337	8.53	1.6	359	50	423
FUEL OIL OR KEROSENE	.4	670	93	792	8.53	.4	711	99	842
OTHER	.3	438	60	502	8.35	.2	531	73	609
MAIN HEATING EQUIPMENT USING FUEL OIL									
STEAM OR HOT WATER SYSTEM	.4	677	94	787	8.39	.4	677	94	787
CENTRAL WARM AIR FURNACE	1.1	463	64	541	8.45	1.1	463	64	541
OTHER/NONE	1.7	201	28	241	8.73	.8	297	41	358
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	-	-	-	-	-	-	-	-	-
<2,000 CDD AND 5,500 TO 7,000 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q
<2,000 CDD AND 4,000 TO 5,499 HDD	1.6	434	60	510	8.50	1.1	571	79	670
<2,000 CDD AND <4,000 HDD	1.3	314	43	369	8.52	1.0	390	54	458
>2,000 CDD AND <4,000 HDD	.3	115	16	139	8.76	.3	129	18	156

See footnotes at end of table.

Average Fuel Oil/Kerosene Consumption and Expenditures

Table 6. (Continued) Census Division: East South Central

HOUSEHOLD CHARACTERISTICS	ANY FUEL OIL OR KEROSENE USED					FUEL OIL OR KEROSENE USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	0.4	156	21	180	8.42	Q	Q	Q	Q
AREA TYPE									
METROPOLITAN	Q	Q	Q	Q	Q	Q	Q	Q	Q
CENTRAL CITY	Q	Q	Q	Q	Q	Q	Q	Q	Q
OUTSIDE CENTRAL CITY	Q	Q	Q	Q	Q	Q	Q	Q	Q
NON-METROPOLITAN	.3	174	24	201	8.37	Q	Q	Q	Q
FUEL OIL PAID BY HOUSEHOLD									
YES	.4	156	21	180	8.42	Q	Q	Q	Q
NO	Q	Q	Q	Q	Q	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE									
MOBILE HOME	Q	Q	Q	Q	Q	Q	Q	Q	Q
SINGLE FAMILY	.3	170	23	196	8.42	Q	Q	Q	Q
2 OR MORE UNITS	Q	Q	Q	Q	Q	Q	Q	Q	Q
NUMBER OF ROOMS									
1 TO 3	Q	Q	Q	Q	Q	Q	Q	Q	Q
4 TO 5	.2	184	25	215	8.51	Q	Q	Q	Q
6 OR MORE	.2	134	18	153	8.33	Q	Q	Q	Q
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 999	Q	Q	Q	Q	Q	Q	Q	Q	Q
1,000 TO 1,999	.2	156	21	182	8.53	Q	Q	Q	Q
2,000 OR MORE	Q	Q	Q	Q	Q	Q	Q	Q	Q
YEAR HOUSE BUILT									
BEFORE 1950	Q	Q	Q	Q	Q	Q	Q	Q	Q
1950 TO 1974	.2	165	23	193	8.49	Q	Q	Q	Q
AFTER 1974	Q	Q	Q	Q	Q	Q	Q	Q	Q
OWN/RENT									
OWN	0.3	155	21	178	8.38	Q	Q	Q	Q
RENT	Q	Q	Q	Q	Q	Q	Q	Q	Q
1981 FAMILY INCOME									
LESS THAN $10,000	Q	Q	Q	Q	Q	Q	Q	Q	Q
$10,000 TO $19,999	Q	Q	Q	Q	Q	Q	Q	Q	Q
$20,000 TO $34,999	Q	Q	Q	Q	Q	Q	Q	Q	Q
$35,000 OR MORE	Q	Q	Q	Q	Q	Q	Q	Q	Q
TOTAL BELOW 100 PERCENT OF POVERTY LINE	Q	Q	Q	Q	Q	Q	Q	Q	Q
TOTAL BELOW 125 PERCENT OF POVERTY LINE	Q	Q	Q	Q	Q	Q	Q	Q	Q
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS	.2	120	17	138	8.33	Q	Q	Q	Q
35 TO 59 YEARS	.2	199	27	231	8.47	Q	Q	Q	Q
60 YEARS AND OVER	Q	Q	Q	Q	Q	Q	Q	Q	Q
HOUSEHOLD MEMBERS									
ONE PERSON	Q	Q	Q	Q	Q	Q	Q	Q	Q
2 TO 4 PEOPLE	.3	143	20	165	8.45	Q	Q	Q	Q
5 OR MORE PEOPLE	Q	Q	Q	Q	Q	Q	Q	Q	Q

See footnotes at end of table.

Average Fuel Oil/Kerosene Consumption and Expenditures

Table 6. (Continued) Census Division: East South Central

HOUSEHOLD CHARACTERISTICS	ANY FUEL OIL OR KEROSENE USED					FUEL OIL OR KEROSENE USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS	Q	Q	Q	Q	Q	-	-	-	-
ELECTRICITY	.2	43	6	50	8.63	-	-	-	-
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	Q	Q	Q	Q
LPG	Q	Q	Q	Q	Q	-	-	-	-
WOOD	Q	Q	Q	Q	Q	-	-	-	-
OTHER OR NONE	Q	Q	Q	Q	Q	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	Q	Q	Q	Q	Q	Q	Q	Q	Q
ELECTRICITY	0.4	152	21	176	8.43	Q	Q	Q	Q
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER	Q	Q	Q	Q	Q	Q	Q	Q	Q
MAIN HEATING EQUIPMENT USING FUEL OIL									
STEAM OR HOT WATER SYSTEM	Q	Q	Q	Q	Q	Q	Q	Q	Q
CENTRAL WARM AIR FURNACE	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER/NONE	.3	111	15	129	8.53	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	-	-	-	-	-	-	-	-	-
<2,000 CDD AND 5,500 TO 7,000 HDD	-	-	-	-	-	-	-	-	-
<2,000 CDD AND 4,000 TO 5,499 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q
<2,000 CDD AND <4,000 HDD	.2	114	16	133	8.55	Q	Q	Q	Q
>2,000 CDD AND <4,000 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q

See footnotes at end of table.

Average Fuel Oil/Kerosene Consumption and Expenditures

Table 6. (Continued) Census Division: West South Central

HOUSEHOLD CHARACTERISTICS	ANY FUEL OIL OR KEROSENE USED					FUEL OIL OR KEROSENE USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS.....									
AREA TYPE									
METROPOLITAN.....									
CENTRAL CITY.....									
OUTSIDE CENTRAL CITY.....									
NON-METROPOLITAN.....									
FUEL OIL PAID BY HOUSEHOLD									
YES.....									
NO.....									
TYPE OF HOUSING STRUCTURE									
MOBILE HOME.....									
SINGLE FAMILY.....									
2 OR MORE UNITS.....									
NUMBER OF ROOMS									
1 TO 3									
4 TO 5.....									
6 OR MORE.....									
MEASURED HEATED SPACE OF RESI-DENCE (IN SQUARE FEET)									
LESS THAN 999.....									
1,000 TO 1,999.....									
2,000 OR MORE.....									
YEAR HOUSE BUILT									
BEFORE 1950.....									
1950 TO 1974.....									
AFTER 1974.....									
OWN/RENT									
OWN.....									
RENT.....									
1981 FAMILY INCOME									
LESS THAN $10,000.....									
$10,000 TO $19,999.....									
$20,000 TO $34,999.....									
$35,000 OR MORE.....									
TOTAL BELOW 100 PERCENT OF POVERTY LINE.....									
TOTAL BELOW 125 PERCENT OF POVERTY LINE.....									
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....									
35 TO 59 YEARS.....									
60 YEARS AND OVER.....									
HOUSEHOLD MEMBERS									
ONE PERSON.....									
2 TO 4 PEOPLE.....									
5 OR MORE PEOPLE.....									

(Data Withheld Because of Large Variance)

See footnotes at end of table.

Average Fuel Oil/Kerosene Consumption and Expenditures

Table 6. (Continued) Census Division: West South Central

HOUSEHOLD CHARACTERISTICS	ANY FUEL OIL OR KEROSENE USED					FUEL OIL OR KEROSENE USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS.....									
ELECTRICITY.....									
FUEL OIL OR KEROSENE.....									
LPG.....									
WOOD.....									
OTHER OR NONE.....									
HOT WATER FUEL									
NATURAL GAS.....									
ELECTRICITY.....									
FUEL OIL OR KEROSENE.....									
OTHER.....									
MAIN HEATING EQUIPMENT USING FUEL OIL									
STEAM OR HOT WATER SYSTEM.....									
CENTRAL WARM AIR FURNACE.....									
OTHER/NONE.....									
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD.....									
<2,000 CDD AND 5,500 TO 7,000 HDD.....									
<2,000 CDD AND 4,000 TO 5,499 HDD.....									
<2,000 CDD AND <4,000 HDD.....									
>2,000 CDD AND <4,000 HDD.....									

(Data Withheld Because of Large Variance)

See footnotes at end of table.

Average Fuel Oil/Kerosene Consumption and Expenditures

Table 6. (Continued)
Census Region: West

HOUSEHOLD CHARACTERISTICS	ANY FUEL OIL OR KEROSENE USED					FUEL OIL OR KEROSENE USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	0.6	344	48	408	8.58	0.4	445	61	526
AREA TYPE									
METROPOLITAN	.4	340	47	410	8.73	.3	414	57	498
CENTRAL CITY	.2	324	45	393	8.79	Q	Q	Q	Q
OUTSIDE CENTRAL CITY	.2	357	49	428	8.67	.2	435	60	522
NON-METROPOLITAN	.2	353	49	404	8.29	Q	Q	Q	Q
FUEL OIL PAID BY HOUSEHOLD									
YES	.6	329	46	391	8.59	.4	430	59	509
NO	Q	Q	Q	Q	Q	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE									
MOBILE HOME	Q	Q	Q	Q	Q	Q	Q	Q	Q
SINGLE FAMILY	.6	339	47	403	8.60	.4	439	61	520
2 OR MORE UNITS	Q	Q	Q	Q	Q	Q	Q	Q	Q
NUMBER OF ROOMS									
1 TO 3	Q	Q	Q	Q	Q	Q	Q	Q	Q
4 TO 5	.3	268	37	323	8.75	.2	341	47	410
6 OR MORE	.3	391	54	460	8.52	.2	503	70	593
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 999	.2	321	44	384	8.66	Q	Q	Q	Q
1,000 TO 1,999	.3	289	40	342	8.54	.2	400	55	472
2,000 OR MORE	.2	470	65	554	8.53	Q	Q	Q	Q
YEAR HOUSE BUILT									
BEFORE 1950	.4	355	49	424	8.64	.3	441	61	525
1950 TO 1974	.2	345	48	404	8.48	.2	452	62	529
AFTER 1974	Q	Q	Q	Q	Q	Q	Q	Q	Q
OWN/RENT									
OWN	0.5	337	46	401	8.62	0.3	444	61	527
RENT	Q	Q	Q	Q	Q	Q	Q	Q	Q
1981 FAMILY INCOME									
LESS THAN $10,000	Q	Q	Q	Q	Q	Q	Q	Q	Q
$10,000 TO $19,999	.2	340	47	397	8.44	Q	Q	Q	Q
$20,000 TO $34,999	Q	Q	Q	Q	Q	Q	Q	Q	Q
$35,000 OR MORE	.2	308	42	372	8.77	Q	Q	Q	Q
TOTAL BELOW 100 PERCENT OF POVERTY LINE	Q	Q	Q	Q	Q	Q	Q	Q	Q
TOTAL BELOW 125 PERCENT OF POVERTY LINE	Q	Q	Q	Q	Q	Q	Q	Q	Q
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS	.2	300	41	354	8.54	Q	Q	Q	Q
35 TO 59 YEARS	.3	335	46	398	8.61	.2	425	59	506
60 YEARS AND OVER	.2	399	55	473	8.56	.2	480	67	570
HOUSEHOLD MEMBERS									
ONE PERSON	Q	Q	Q	Q	Q	Q	Q	Q	Q
2 TO 4 PEOPLE	.4	358	49	424	8.59	.3	448	62	530
5 OR MORE PEOPLE	Q	Q	Q	Q	Q	Q	Q	Q	Q

See footnotes at end of table.

Average Fuel Oil/Kerosene Consumption and Expenditures

Table 6. (Continued)
Census Region: West

HOUSEHOLD CHARACTERISTICS	ANY FUEL OIL OR KEROSENE USED					FUEL OIL OR KEROSENE USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS	Q	Q	Q	Q	Q	-	-	-	-
ELECTRICITY	Q	Q	Q	Q	Q	-	-	-	-
FUEL OIL OR KEROSENE	.4	445	61	526	8.56	.4	445	61	526
LPG	Q	Q	Q	Q	Q	-	-	-	-
WOOD	Q	Q	Q	Q	Q	-	-	-	-
OTHER OR NONE	Q	Q	Q	Q	Q	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	Q	Q	Q	Q	Q	Q	Q	Q	Q
ELECTRICITY	0.5	363	50	430	8.58	0.4	425	59	503
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER	Q	Q	Q	Q	Q	Q	Q	Q	Q
MAIN HEATING EQUIPMENT USING FUEL OIL									
STEAM OR HOT WATER SYSTEM	Q	Q	Q	Q	Q	Q	Q	Q	Q
CENTRAL WARM AIR FURNACE	.3	471	65	554	8.49	.3	471	65	554
OTHER/NONE	.3	187	26	225	8.78	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q
<2,000 CDD AND 5,500 TO 7,000 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q
<2,000 CDD AND 4,000 TO 5,499 HDD	.4	328	45	393	8.67	.3	401	56	480
<2,000 CDD AND <4,000 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q
>2,000 CDD AND <4,000 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q

See footnotes at end of table.

Average Fuel Oil/Kerosene Consumption and Expenditures

Table 6. (Continued) Census Division: Mountain

HOUSEHOLD CHARACTERISTICS	ANY FUEL OIL OR KEROSENE USED					FUEL OIL OR KEROSENE USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS.....									
AREA TYPE									
METROPOLITAN.....									
CENTRAL CITY.....									
OUTSIDE CENTRAL CITY.....									
NON-METROPOLITAN.....									
FUEL OIL PAID BY HOUSEHOLD									
YES.....									
NO.....									
TYPE OF HOUSING STRUCTURE									
MOBILE HOME.....									
SINGLE FAMILY.....									
2 OR MORE UNITS.....									
NUMBER OF ROOMS									
1 TO 3									
4 TO 5.....									
6 OR MORE.....									
MEASURED HEATED SPACE OF RESI-DENCE (IN SQUARE FEET)									
LESS THAN 999.....									
1,000 TO 1,999.....									
2,000 OR MORE.....									
YEAR HOUSE BUILT									
BEFORE 1950.....									
1950 TO 1974.....									
AFTER 1974.....									
OWN/RENT									
OWN.....									
RENT.....									
1981 FAMILY INCOME									
LESS THAN $10,000.....									
$10,000 TO $19,999.....									
$20,000 TO $34,999.....									
$35,000 OR MORE.....									
TOTAL BELOW 100 PERCENT OF POVERTY LINE.....									
TOTAL BELOW 125 PERCENT OF POVERTY LINE.....									
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....									
35 TO 59 YEARS.....									
60 YEARS AND OVER.....									
HOUSEHOLD MEMBERS									
ONE PERSON.....									
2 TO 4 PEOPLE.....									
5 OR MORE PEOPLE.....									

(Data Withheld Because of Large Variance)

See footnotes at end of table.

Average Fuel Oil/Kerosene Consumption and Expenditures

Table 6. (Continued)
Census Division: Mountain

HOUSEHOLD CHARACTERISTICS	ANY FUEL OIL OR KEROSENE USED					FUEL OIL OR KEROSENE USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS.....									
ELECTRICITY.....									
FUEL OIL OR KEROSENE.....									
LPG.....									
WOOD.....									
OTHER OR NONE.....									
HOT WATER FUEL									
NATURAL GAS.....									
ELECTRICITY.....									
FUEL OIL OR KEROSENE.....									
OTHER.....									
MAIN HEATING EQUIPMENT USING FUEL OIL									
STEAM OR HOT WATER SYSTEM.....									
CENTRAL WARM AIR FURNACE.....									
OTHER/NONE.....									
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD.....									
<2,000 CDD AND 5,500 TO 7,000 HDD.....									
<2,000 CDD AND 4,000 TO 5,499 HDD.....									
<2,000 CDD AND <4,000 HDD.....									
>2,000 CDD AND <4,000 HDD.....									

(Data Withheld Because of Large Variance)

See footnotes at end of table.

Average Fuel Oil/Kerosene Consumption and Expenditures

Table 6. (Continued)
Census Division: Pacific

HOUSEHOLD CHARACTERISTICS	ANY FUEL OIL OR KEROSENE USED					FUEL OIL OR KEROSENE USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	0.5	337	47	405	8.71	0.3	410	57	493
AREA TYPE									
METROPOLITAN	.4	352	49	424	8.73	.3	414	57	498
CENTRAL CITY	.2	340	47	413	8.79	Q	Q	Q	Q
OUTSIDE CENTRAL CITY	.2	364	50	436	8.67	.2	435	60	522
NON-METROPOLITAN	Q	Q	Q	Q	Q	Q	Q	Q	Q
FUEL OIL PAID BY HOUSEHOLD									
YES	.4	333	46	401	8.72	.3	408	56	491
NO	Q	Q	Q	Q	Q	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE									
MOBILE HOME	Q	Q	Q	Q	Q	Q	Q	Q	Q
SINGLE FAMILY	.4	330	46	398	8.73	.3	406	56	489
2 OR MORE UNITS	Q	Q	Q	Q	Q	Q	Q	Q	Q
NUMBER OF ROOMS									
1 TO 3	Q	Q	Q	Q	Q	Q	Q	Q	Q
4 TO 5	.2	290	40	354	8.83	Q	Q	Q	Q
6 OR MORE	.2	368	51	440	8.65	.2	471	65	563
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 999	.2	307	42	371	8.73	Q	Q	Q	Q
1,000 TO 1,999	.2	294	41	356	8.76	Q	Q	Q	Q
2,000 OR MORE	Q	Q	Q	Q	Q	Q	Q	Q	Q
YEAR HOUSE BUILT									
BEFORE 1950	.3	330	46	401	8.79	.2	403	56	489
1950 TO 1974	.2	347	48	411	8.58	Q	Q	Q	Q
AFTER 1974	Q	Q	Q	Q	Q	Q	Q	Q	Q
OWN/RENT									
OWN	0.4	343	47	416	8.78	0.3	424	58	511
RENT	Q	Q	Q	Q	Q	Q	Q	Q	Q
1981 FAMILY INCOME									
LESS THAN $10,000	Q	Q	Q	Q	Q	Q	Q	Q	Q
$10,000 TO $19,999	Q	Q	Q	Q	Q	Q	Q	Q	Q
$20,000 TO $34,999	Q	Q	Q	Q	Q	Q	Q	Q	Q
$35,000 OR MORE	.2	331	45	407	8.94	Q	Q	Q	Q
TOTAL BELOW 100 PERCENT OF POVERTY LINE	Q	Q	Q	Q	Q	Q	Q	Q	Q
TOTAL BELOW 125 PERCENT OF POVERTY LINE	Q	Q	Q	Q	Q	Q	Q	Q	Q
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS	Q	Q	Q	Q	Q	Q	Q	Q	Q
35 TO 59 YEARS	.2	344	47	412	8.70	Q	Q	Q	Q
60 YEARS AND OVER	Q	Q	Q	Q	Q	Q	Q	Q	Q
HOUSEHOLD MEMBERS									
ONE PERSON	Q	Q	Q	Q	Q	Q	Q	Q	Q
2 TO 4 PEOPLE	.3	351	48	423	8.75	.2	409	56	492
5 OR MORE PEOPLE	Q	Q	Q	Q	Q	Q	Q	Q	Q

See footnotes at end of table.

Average Fuel Oil/Kerosene Consumption and Expenditures

Table 6. (Continued)
Census Division: Pacific

HOUSEHOLD CHARACTERISTICS	ANY FUEL OIL OR KEROSENE USED					FUEL OIL OR KEROSENE USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS	Q	Q	Q	Q	Q	-	-	-	-
ELECTRICITY	Q	Q	Q	Q	Q	-	-	-	-
FUEL OIL OR KEROSENE	.3	410	57	493	8.70	.3	410	57	493
LPG	Q	Q	Q	Q	Q	-	-	-	-
WOOD	Q	Q	Q	Q	Q	-	-	-	-
OTHER OR NONE	Q	Q	Q	Q	Q	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	Q	Q	Q	Q	Q	Q	Q	Q	Q
ELECTRICITY	0.4	333	46	402	8.72	0.3	391	54	471
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER	Q	Q	Q	Q	Q	Q	Q	Q	Q
MAIN HEATING EQUIPMENT USING FUEL OIL									
STEAM OR HOT WATER SYSTEM	Q	Q	Q	Q	Q	Q	Q	Q	Q
CENTRAL WARM AIR FURNACE	.2	421	58	505	8.66	.2	421	58	505
OTHER/NONE	.2	199	27	242	8.84	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q
<2,000 CDD AND 5,500 TO 7,000 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q
<2,000 CDD AND 4,000 TO 5,499 HDD	.4	340	47	408	8.67	.3	401	56	480
<2,000 CDD AND <4,000 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q
>2,000 CDD AND <4,000 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q

"-" = DATA NOT APPLICABLE.
"Q" = DATA WITHHELD BECAUSE OF A LARGE VARIANCE.
NOTE: BECAUSE OF ROUNDING, DATA MAY NOT SUM TO TOTALS. PERCENTAGES ARE CALCULATED ON UNROUNDED NUMBERS. SEE GLOSSARY FOR DEFINITION OF TERMS USED IN THIS REPORT.
SOURCE: ENERGY INFORMATION ADMINISTRATION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY END USE DIVISION, FORM EIA-457, THE 1982 RESIDENTIAL ENERGY CONSUMPTION SURVEY.

Average LPG Consumption and Expenditures

Table 7. U.S. Residential Liquefied Petroleum Gas Consumption and Expenditures—April 1982 Through March 1983, United States

HOUSEHOLD CHARACTERISTICS	ANY LIQUEFIED PETROLEUM GAS USED					LIQUEFIED PETROLEUM GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	7.3	432	39	372	9.42	3.8	641	59	521
AREA TYPE									
METROPOLITAN	3.3	331	30	302	9.97	1.5	526	48	448
CENTRAL CITY	.5	222	20	232	11.42	.3	265	24	276
OUTSIDE CENTRAL CITY	2.8	349	32	313	9.82	1.3	587	54	488
NON-METROPOLITAN	4.1	513	47	428	9.14	2.2	720	66	571
LPG PAID BY HOUSEHOLD									
YES	6.8	428	39	369	9.45	3.5	642	59	522
NO	.5	487	44	404	9.09	.3	636	58	510
TYPE OF HOUSING STRUCTURE									
MOBILE HOME	1.5	378	34	327	9.47	.9	519	47	434
SINGLE FAMILY	5.6	454	41	389	9.38	2.8	685	63	551
2 OR MORE UNITS	.2	246	22	248	11.05	Q	Q	Q	Q
NUMBER OF ROOMS									
1 TO 3	.6	262	24	247	10.29	.3	344	31	316
4 TO 5	3.6	409	37	356	9.54	1.9	581	53	486
6 OR MORE	3.2	489	45	412	9.22	1.6	773	71	604
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 999	3.0	351	32	323	10.09	1.7	494	45	428
1,000 TO 1,999	3.0	459	42	390	9.30	1.5	644	59	522
2,000 OR MORE	1.3	554	51	440	8.69	.5	1111	101	818
YEAR HOUSE BUILT									
BEFORE 1950	3.1	421	38	366	9.52	1.4	689	63	558
1950 TO 1974	3.3	414	38	358	9.46	1.7	605	55	495
AFTER 1974	1.0	527	48	437	9.07	.7	632	58	506
OWN/RENT									
OWN	5.5	436	40	369	9.26	2.7	676	62	539
RENT	1.8	419	38	380	9.93	1.1	550	50	473
1981 FAMILY INCOME									
LESS THAN $10,000	3.0	438	40	378	9.46	1.7	627	57	518
$10,000 TO $19,999	2.3	390	36	346	9.71	1.0	599	55	495
$20,000 TO $34,999	.8	537	49	437	8.92	.5	671	61	530
$35,000 OR MORE	1.1	426	39	360	9.23	.5	741	68	570
TOTAL BELOW 100 PERCENT OF POVERTY LINE	1.5	409	37	358	9.58	.8	576	53	479
TOTAL BELOW 125 PERCENT OF POVERTY LINE	2.1	424	39	367	9.48	1.2	616	56	509
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS	2.0	402	37	348	9.48	1.0	603	55	492
35 TO 59 YEARS	3.0	461	42	391	9.29	1.5	673	62	535
60 YEARS AND OVER	2.3	420	38	367	9.56	1.3	632	58	525

See footnotes at end of table.

Average LPG Consumption and Expenditures

Table 7. (Continued)
United States

HOUSEHOLD CHARACTERISTICS	ANY LIQUEFIED PETROLEUM GAS USED					LIQUEFIED PETROLEUM GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
HOUSEHOLD MEMBERS									
ONE PERSON	1.5	403	37	362	9.84	.8	618	56	534
2 TO 4 PEOPLE	4.7	404	37	345	9.36	2.5	595	54	478
5 OR MORE PEOPLE	1.1	594	54	500	9.22	.5	941	86	734
MAIN HEATING FUEL									
NATURAL GAS	Q	Q	Q	Q	Q	-	-	-	-
ELECTRICITY	.3	343	31	305	9.75	-	-	-	-
FUEL OIL OR KEROSENE	1.5	132	12	156	12.90	-	-	-	-
LPG	3.8	641	59	521	8.89	3.8	641	59	521
WOOD	1.5	259	24	237	10.04	-	-	-	-
OTHER OR NONE	.3	187	17	278	16.26	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	Q	Q	Q	Q	Q	Q	Q	Q	Q
ELECTRICITY	3.3	337	31	299	9.71	1.7	520	47	439
FUEL OIL OR KEROSENE	.4	77	7	102	14.35	Q	Q	Q	Q
OTHER	3.7	550	50	462	9.20	2.1	742	68	589
MAIN HEATING EQUIPMENT USING LPG									
CENTRAL WARM AIR FURNACE	1.7	748	68	591	8.65	1.7	748	68	591
OTHER/NONE	5.6	339	31	307	9.93	2.1	557	51	465
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	1.4	512	47	429	9.17	.5	928	85	727
<2,000 CDD AND 5,500 TO 7,000 HDD	1.3	502	46	408	8.91	.5	939	86	709
<2,000 CDD AND 4,000 TO 5,499 HDD	1.3	409	37	350	9.35	.5	875	80	691
<2,000 CDD AND <4,000 HDD	1.6	424	39	365	9.43	1.0	557	51	465
>2,000 CDD AND <4,000 HDD	1.7	340	31	321	10.35	1.3	379	35	337

See footnotes at end of table.

Average LPG Consumption and Expenditures

Table 7. (Continued) Census Region: Northeast

HOUSEHOLD CHARACTERISTICS	ANY LIQUEFIED PETROLEUM GAS USED					LIQUEFIED PETROLEUM GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	1.1	225	21	237	11.52	0.2	693	63	622
AREA TYPE									
METROPOLITAN	.6	187	17	197	11.53	Q	Q	Q	Q
CENTRAL CITY	Q	Q	Q	Q	Q	Q	Q	Q	Q
OUTSIDE CENTRAL CITY	.6	191	17	201	11.53	Q	Q	Q	Q
NON-METROPOLITAN	.5	269	25	283	11.52	Q	Q	Q	Q
LPG PAID BY HOUSEHOLD									
YES	1.1	223	20	237	11.59	.2	722	66	650
NO	Q	Q	Q	Q	Q	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE									
MOBILE HOME	.2	197	18	215	11.97	Q	Q	Q	Q
SINGLE FAMILY	.8	235	21	243	11.29	Q	Q	Q	Q
2 OR MORE UNITS	Q	Q	Q	Q	Q	Q	Q	Q	Q
NUMBER OF ROOMS									
1 TO 3	Q	Q	Q	Q	Q	Q	Q	Q	Q
4 TO 5	.5	263	24	264	11.00	Q	Q	Q	Q
6 OR MORE	.6	183	17	204	12.23	Q	Q	Q	Q
MEASURED HEATED SPACE OF RESI-DENCE (IN SQUARE FEET)									
LESS THAN 999	.4	305	28	307	11.01	Q	Q	Q	Q
1,000 TO 1,999	.4	202	18	206	11.18	Q	Q	Q	Q
2,000 OR MORE	.3	144	13	180	13.64	Q	Q	Q	Q
YEAR HOUSE BUILT									
BEFORE 1950	.6	222	20	252	12.44	Q	Q	Q	Q
1950 TO 1974	.5	233	21	226	10.64	Q	Q	Q	Q
AFTER 1974	Q	Q	Q	Q	Q	Q	Q	Q	Q
OWN/RENT									
OWN	0.9	179	16	198	12.13	Q	Q	Q	Q
RENT	.2	429	39	408	10.41	Q	Q	Q	Q
1981 FAMILY INCOME									
LESS THAN $10,000	.4	286	26	273	10.45	Q	Q	Q	Q
$10,000 TO $19,999	.4	207	19	240	12.71	Q	Q	Q	Q
$20,000 TO $34,999	Q	Q	Q	Q	Q	Q	Q	Q	Q
$35,000 OR MORE	.2	138	13	166	13.11	Q	Q	Q	Q
TOTAL BELOW 100 PERCENT OF POVERTY LINE	.2	288	26	275	10.47	Q	Q	Q	Q
TOTAL BELOW 125 PERCENT OF POVERTY LINE	.3	267	24	263	10.78	Q	Q	Q	Q
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS	.2	303	28	278	10.05	Q	Q	Q	Q
35 TO 59 YEARS	.5	165	15	192	12.68	Q	Q	Q	Q
60 YEARS AND OVER	.4	259	24	272	11.53	Q	Q	Q	Q
HOUSEHOLD MEMBERS									
ONE PERSON	.3	216	20	214	10.87	Q	Q	Q	Q
2 TO 4 PEOPLE	.6	201	18	226	12.26	Q	Q	Q	Q
5 OR MORE PEOPLE	.2	322	29	314	10.65	Q	Q	Q	Q

See footnotes at end of table.

Average LPG Consumption and Expenditures

Table 7. (Continued)
Census Region: Northeast

HOUSEHOLD CHARACTERISTICS	ANY LIQUEFIED PETROLEUM GAS USED					LIQUEFIED PETROLEUM GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS	Q	Q	Q	Q	Q	-	-	-	-
ELECTRICITY	Q	Q	Q	Q	Q	-	-	-	-
FUEL OIL OR KEROSENE	.6	139	13	174	13.69	-	-	-	-
LPG	.2	693	63	622	9.83	0.2	693	63	622
WOOD	.3	130	12	151	12.75	-	-	-	-
OTHER OR NONE	Q	Q	Q	Q	Q	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	Q	Q	Q	Q	Q	Q	Q	Q	Q
ELECTRICITY	0.4	207	19	222	11.74	Q	Q	Q	Q
FUEL OIL OR KEROSENE	.3	59	5	83	15.24	Q	Q	Q	Q
OTHER	.4	360	33	361	10.97	Q	Q	Q	Q
MAIN HEATING EQUIPMENT USING LPG									
CENTRAL WARM AIR FURNACE	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER/NONE	1.0	144	13	173	13.14	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	.5	267	24	283	11.63	Q	Q	Q	Q
<2,000 CDD AND 5,500 TO 7,000 HDD	.5	182	17	200	12.09	Q	Q	Q	Q
<2,000 CDD AND 4,000 TO 5,499 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q
<2,000 CDD AND <4,000 HDD	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Average LPG Consumption and Expenditures

Table 7. (Continued) Census Division: New England

HOUSEHOLD CHARACTERISTICS	ANY LIQUEFIED PETROLEUM GAS USED					LIQUEFIED PETROLEUM GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	0.5	203	19	213	11.50	Q	Q	Q	Q
AREA TYPE									
METROPOLITAN	.2	112	10	127	12.47	Q	Q	Q	Q
CENTRAL CITY	Q	Q	Q	Q	Q	Q	Q	Q	Q
OUTSIDE CENTRAL CITY	.2	118	11	134	12.47	Q	Q	Q	Q
NON-METROPOLITAN	.3	273	25	279	11.19	Q	Q	Q	Q
LPG PAID BY HOUSEHOLD									
YES	.4	207	19	217	11.50	Q	Q	Q	Q
NO	Q	Q	Q	Q	Q	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE									
MOBILE HOME	Q	Q	Q	Q	Q	Q	Q	Q	Q
SINGLE FAMILY	.3	202	18	209	11.33	Q	Q	Q	Q
2 OR MORE UNITS	Q	Q	Q	Q	Q	Q	Q	Q	Q
NUMBER OF ROOMS									
1 TO 3	Q	Q	Q	Q	Q	Q	Q	Q	Q
4 TO 5	.2	185	17	186	10.98	Q	Q	Q	Q
6 OR MORE	.2	191	17	211	12.08	Q	Q	Q	Q
MEASURED HEATED SPACE OF RESI-DENCE (IN SQUARE FEET)									
LESS THAN 999	.2	216	20	233	11.81	Q	Q	Q	Q
1,000 TO 1,999	.2	230	21	231	11.00	Q	Q	Q	Q
2,000 OR MORE	Q	Q	Q	Q	Q	Q	Q	Q	Q
YEAR HOUSE BUILT									
BEFORE 1950	.2	214	20	243	12.42	Q	Q	Q	Q
1950 TO 1974	.2	211	19	203	10.53	Q	Q	Q	Q
AFTER 1974	Q	Q	Q	Q	Q	Q	Q	Q	Q
OWN/RENT									
OWN	0.4	197	18	206	11.44	Q	Q	Q	Q
RENT	Q	Q	Q	Q	Q	Q	Q	Q	Q
1981 FAMILY INCOME									
LESS THAN $10,000	Q	Q	Q	Q	Q	Q	Q	Q	Q
$10,000 TO $19,999	.2	232	21	256	12.06	Q	Q	Q	Q
$20,000 TO $34,999	Q	Q	Q	Q	Q	Q	Q	Q	Q
$35,000 OR MORE	Q	Q	Q	Q	Q	Q	Q	Q	Q
TOTAL BELOW 100 PERCENT OF POVERTY LINE	Q	Q	Q	Q	Q	Q	Q	Q	Q
TOTAL BELOW 125 PERCENT OF POVERTY LINE	Q	Q	Q	Q	Q	Q	Q	Q	Q
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS	Q	Q	Q	Q	Q	Q	Q	Q	Q
35 TO 59 YEARS	.2	164	15	195	13.04	Q	Q	Q	Q
60 YEARS AND OVER	Q	Q	Q	Q	Q	Q	Q	Q	Q
HOUSEHOLD MEMBERS									
ONE PERSON	Q	Q	Q	Q	Q	Q	Q	Q	Q
2 TO 4 PEOPLE	.3	134	12	155	12.63	Q	Q	Q	Q
5 OR MORE PEOPLE	Q	Q	Q	Q	Q	Q	Q	Q	Q

See footnotes at end of table.

Average LPG Consumption and Expenditures

Table 7. (Continued) Census Division: New England

HOUSEHOLD CHARACTERISTICS	ANY LIQUEFIED PETROLEUM GAS USED					LIQUEFIED PETROLEUM GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS	Q	Q	Q	Q	Q	-	-	-	-
ELECTRICITY	Q	Q	Q	Q	Q	-	-	-	-
FUEL OIL OR KEROSENE	.2	143	13	178	13.59	-	-	-	-
LPG	Q	Q	Q	Q	Q	Q	Q	Q	Q
WOOD	.2	142	13	155	11.96	-	-	-	-
OTHER OR NONE	Q	Q	Q	Q	Q	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	Q	Q	Q	Q	Q	Q	Q	Q	Q
ELECTRICITY	Q	Q	Q	Q	Q	Q	Q	Q	Q
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER	0.2	384	35	374	10.68	Q	Q	Q	Q
MAIN HEATING EQUIPMENT USING LPG									
CENTRAL WARM AIR FURNACE	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER/NONE	.4	157	14	179	12.45	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	.3	273	25	279	11.19	Q	Q	Q	Q
<2,000 CDD AND 5,500 TO 7,000 HDD	.2	112	10	127	12.47	Q	Q	Q	Q
<2,000 CDD AND 4,000 TO 5,499 HDD	-	-	-	-	-	-	-	-	-
<2,000 CDD AND <4,000 HDD	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Average LPG Consumption and Expenditures

Table 7. (Continued) Census Division: Middle Atlantic

HOUSEHOLD CHARACTERISTICS	ANY LIQUEFIED PETROLEUM GAS USED					LIQUEFIED PETROLEUM GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	0.7	240	22	253	11.53	0.2	649	59	591
AREA TYPE									
METROPOLITAN	.4	224	20	231	11.30	Q	Q	Q	Q
CENTRAL CITY	Q	Q	Q	Q	Q	Q	Q	Q	Q
OUTSIDE CENTRAL CITY	.4	224	20	231	11.30	Q	Q	Q	Q
NON-METROPOLITAN	.3	265	24	287	11.85	Q	Q	Q	Q
LPG PAID BY HOUSEHOLD									
YES	.7	235	21	250	11.65	Q	Q	Q	Q
NO	Q	Q	Q	Q	Q	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE									
MOBILE HOME	Q	Q	Q	Q	Q	Q	Q	Q	Q
SINGLE FAMILY	.5	257	24	265	11.27	Q	Q	Q	Q
2 OR MORE UNITS	Q	Q	Q	Q	Q	Q	Q	Q	Q
NUMBER OF ROOMS									
1 TO 3	Q	Q	Q	Q	Q	Q	Q	Q	Q
4 TO 5	.2	343	31	344	11.01	Q	Q	Q	Q
6 OR MORE	.4	178	16	200	12.32	Q	Q	Q	Q
MEASURED HEATED SPACE OF RESI-DENCE (IN SQUARE FEET)									
LESS THAN 999	.3	356	32	349	10.74	Q	Q	Q	Q
1,000 TO 1,999	.2	170	16	178	11.45	Q	Q	Q	Q
2,000 OR MORE	.2	157	14	198	13.88	Q	Q	Q	Q
YEAR HOUSE BUILT									
BEFORE 1950	.4	226	21	257	12.46	Q	Q	Q	Q
1950 TO 1974	.3	250	23	245	10.71	Q	Q	Q	Q
AFTER 1974	Q	Q	Q	Q	Q	Q	Q	Q	Q
OWN/RENT									
OWN	0.5	165	15	192	12.74	Q	Q	Q	Q
RENT	Q	Q	Q	Q	Q	Q	Q	Q	Q
1981 FAMILY INCOME									
LESS THAN $10,000	.3	306	28	292	10.44	Q	Q	Q	Q
$10,000 TO $19,999	.2	184	17	226	13.45	Q	Q	Q	Q
$20,000 TO $34,999	Q	Q	Q	Q	Q	Q	Q	Q	Q
$35,000 OR MORE	Q	Q	Q	Q	Q	Q	Q	Q	Q
TOTAL BELOW 100 PERCENT OF POVERTY LINE	Q	Q	Q	Q	Q	Q	Q	Q	Q
TOTAL BELOW 125 PERCENT OF POVERTY LINE	.2	266	24	252	10.35	Q	Q	Q	Q
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS	Q	Q	Q	Q	Q	Q	Q	Q	Q
35 TO 59 YEARS	.3	167	15	190	12.48	Q	Q	Q	Q
60 YEARS AND OVER	.2	278	25	304	11.97	Q	Q	Q	Q
HOUSEHOLD MEMBERS									
ONE PERSON	.2	185	17	196	11.57	Q	Q	Q	Q
2 TO 4 PEOPLE	.3	260	24	288	12.10	Q	Q	Q	Q
5 OR MORE PEOPLE	Q	Q	Q	Q	Q	Q	Q	Q	Q

See footnotes at end of table.

Average LPG Consumption and Expenditures

Table 7. (Continued) Census Division: Middle Atlantic

HOUSEHOLD CHARACTERISTICS	ANY LIQUEFIED PETROLEUM GAS USED					LIQUEFIED PETROLEUM GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS	Q	Q	Q	Q	Q	-	-	-	-
ELECTRICITY	Q	Q	Q	Q	Q	-	-	-	-
FUEL OIL OR KEROSENE	.4	137	13	172	13.75	-	-	-	-
LPG	.2	649	59	591	9.96	0.2	649	59	591
WOOD	Q	Q	Q	Q	Q	-	-	-	-
OTHER OR NONE	Q	Q	Q	Q	Q	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	Q	Q	Q	Q	Q	Q	Q	Q	Q
ELECTRICITY	0.3	228	21	243	11.69	Q	Q	Q	Q
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER	.3	347	32	353	11.16	Q	Q	Q	Q
MAIN HEATING EQUIPMENT USING LPG									
CENTRAL WARM AIR FURNACE	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER/NONE	.6	134	12	169	13.76	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	.2	259	24	288	12.15	Q	Q	Q	Q
<2,000 CDD AND 5,500 TO 7,000 HDD	.3	225	21	246	11.98	Q	Q	Q	Q
<2,000 CDD AND 4,000 TO 5,499 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q
<2,000 CDD AND <4,000 HDD	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Average LPG Consumption and Expenditures

Table 7. (Continued) Census Region: North Central

HOUSEHOLD CHARACTERISTICS	ANY LIQUEFIED PETROLEUM GAS USED					LIQUEFIED PETROLEUM GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	1.8	661	60	510	8.44	1.0	1000	91	750
AREA TYPE									
METROPOLITAN	.5	498	45	393	8.65	.2	1095	100	810
CENTRAL CITY	Q	Q	Q	Q	Q	Q	Q	Q	Q
OUTSIDE CENTRAL CITY	.5	495	45	392	8.67	.2	1116	102	826
NON-METROPOLITAN	1.3	727	66	556	8.38	.8	977	89	735
LPG PAID BY HOUSEHOLD									
YES	1.7	683	62	524	8.40	1.0	1000	91	750
NO	Q	Q	Q	Q	Q	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE									
MOBILE HOME	.3	539	49	433	8.78	.2	650	59	516
SINGLE FAMILY	1.5	702	64	536	8.36	.8	1084	99	806
2 OR MORE UNITS	Q	Q	Q	Q	Q	Q	Q	Q	Q
NUMBER OF ROOMS									
1 TO 3	Q	Q	Q	Q	Q	Q	Q	Q	Q
4 TO 5	.9	578	53	458	8.66	.4	872	80	677
6 OR MORE	.8	789	72	593	8.22	.5	1115	102	816
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 999	.4	445	41	357	8.80	.2	706	64	561
1,000 TO 1,999	.8	663	61	523	8.64	.4	938	86	726
2,000 OR MORE	.6	829	76	611	8.07	.3	1318	120	934
YEAR HOUSE BUILT									
BEFORE 1950	.8	591	54	453	8.40	.4	1086	99	802
1950 TO 1974	.7	701	64	541	8.46	.4	915	84	693
AFTER 1974	.3	765	70	592	8.47	Q	Q	Q	Q
OWN/RENT									
OWN	1.7	674	62	518	8.42	0.9	1015	93	760
RENT	Q	Q	Q	Q	Q	Q	Q	Q	Q
1981 FAMILY INCOME									
LESS THAN $10,000	.6	671	61	527	8.60	.4	974	89	746
$10,000 TO $19,999	.6	412	38	331	8.79	.2	724	66	572
$20,000 TO $34,999	.2	1129	103	826	8.01	Q	Q	Q	Q
$35,000 OR MORE	.4	726	66	552	8.32	.3	1067	97	795
TOTAL BELOW 100 PERCENT OF POVERTY LINE	.2	563	51	445	8.66	Q	Q	Q	Q
TOTAL BELOW 125 PERCENT OF POVERTY LINE	.3	572	52	461	8.83	.2	955	87	741
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS	.5	496	45	392	8.66	.2	892	81	679
35 TO 59 YEARS	.9	727	66	556	8.39	.5	1013	92	754
60 YEARS AND OVER	.4	717	65	548	8.37	.3	1051	96	792
HOUSEHOLD MEMBERS									
ONE PERSON	.3	675	62	528	8.56	.2	928	85	716
2 TO 4 PEOPLE	1.2	589	54	450	8.37	.6	951	87	708
5 OR MORE PEOPLE	.4	887	81	689	8.51	.2	1292	118	965

See footnotes at end of table.

Average LPG Consumption and Expenditures

Table 7. (Continued) Census Region: North Central

HOUSEHOLD CHARACTERISTICS	ANY LIQUEFIED PETROLEUM GAS USED					LIQUEFIED PETROLEUM GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS	Q	Q	Q	Q	Q	-	-	-	-
ELECTRICITY	Q	Q	Q	Q	Q	-	-	-	-
FUEL OIL OR KEROSENE	.4	118	11	121	11.29	-	-	-	-
LPG	1.0	1000	91	750	8.21	1.0	1000	91	750
WOOD	.4	282	26	232	9.01	-	-	-	-
OTHER OR NONE	Q	Q	Q	Q	Q	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	Q	Q	Q	Q	Q	Q	Q	Q	Q
ELECTRICITY	0.9	489	45	389	8.72	0.4	882	81	678
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER	.9	834	76	630	8.27	.5	1099	100	811
MAIN HEATING EQUIPMENT USING LPG									
CENTRAL WARM AIR FURNACE	.7	977	89	734	8.22	.7	977	89	734
OTHER/NONE	1.1	455	42	363	8.74	.2	1064	97	796
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	.8	622	57	493	8.68	.3	1012	92	769
<2,000 CDD AND 5,500 TO 7,000 HDD	.5	806	74	602	8.18	.3	1070	98	760
<2,000 CDD AND 4,000 TO 5,499 HDD	.5	582	53	447	8.40	.3	911	83	696
<2,000 CDD AND <4,000 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q
>2,000 CDD AND <4,000 HDD	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Average LPG Consumption and Expenditures

Table 7. (Continued) Census Division: East North Central

HOUSEHOLD CHARACTERISTICS	ANY LIQUEFIED PETROLEUM GAS USED					LIQUEFIED PETROLEUM GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	1.0	611	56	498	8.93	0.5	967	88	768
AREA TYPE									
METROPOLITAN	.4	425	39	352	9.08	Q	Q	Q	Q
CENTRAL CITY	Q	Q	Q	Q	Q	Q	Q	Q	Q
OUTSIDE CENTRAL CITY	.4	425	39	352	9.08	Q	Q	Q	Q
NON-METROPOLITAN	.7	721	66	584	8.88	.4	921	84	742
LPG PAID BY HOUSEHOLD									
YES	1.0	645	59	523	8.87	.5	967	88	768
NO	Q	Q	Q	Q	Q	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE									
MOBILE HOME	.2	583	53	483	9.08	Q	Q	Q	Q
SINGLE FAMILY	.8	644	59	521	8.86	.3	1083	99	855
2 OR MORE UNITS	Q	Q	Q	Q	Q	Q	Q	Q	Q
NUMBER OF ROOMS									
1 TO 3	Q	Q	Q	Q	Q	Q	Q	Q	Q
4 TO 5	.6	621	57	507	8.94	.3	899	82	723
6 OR MORE	.5	613	56	497	8.87	.2	1061	97	830
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 999	.2	590	54	493	9.15	.2	720	66	595
1,000 TO 1,999	.5	677	62	547	8.85	.2	1076	98	859
2,000 OR MORE	.4	543	50	440	8.89	Q	Q	Q	Q
YEAR HOUSE BUILT									
BEFORE 1950	.5	402	37	337	9.19	Q	Q	Q	Q
1950 TO 1974	.4	728	67	593	8.91	.2	840	77	676
AFTER 1974	.2	887	81	701	8.65	Q	Q	Q	Q
OWN/RENT									
OWN	1.0	625	57	508	8.90	0.4	987	90	782
RENT	Q	Q	Q	Q	Q	Q	Q	Q	Q
1981 FAMILY INCOME									
LESS THAN $10,000	.3	752	69	613	8.94	.2	1026	94	819
$10,000 TO $19,999	.4	399	36	333	9.14	Q	Q	Q	Q
$20,000 TO $34,999	Q	Q	Q	Q	Q	Q	Q	Q	Q
$35,000 OR MORE	.3	520	47	423	8.92	Q	Q	Q	Q
TOTAL BELOW 100 PERCENT OF POVERTY LINE	Q	Q	Q	Q	Q	Q	Q	Q	Q
TOTAL BELOW 125 PERCENT OF POVERTY LINE	.2	724	66	595	9.00	Q	Q	Q	Q
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS	.3	483	44	400	9.06	Q	Q	Q	Q
35 TO 59 YEARS	.5	628	57	512	8.93	.2	927	85	736
60 YEARS AND OVER	.2	767	70	617	8.81	Q	Q	Q	Q
HOUSEHOLD MEMBERS									
ONE PERSON	Q	Q	Q	Q	Q	Q	Q	Q	Q
2 TO 4 PEOPLE	.7	475	43	394	9.09	.3	839	77	674
5 OR MORE PEOPLE	.2	913	83	729	8.74	Q	Q	Q	Q

See footnotes at end of table.

Average LPG Consumption and Expenditures

Table 7. (Continued)
Census Division: East North Central

HOUSEHOLD CHARACTERISTICS	ANY LIQUEFIED PETROLEUM GAS USED					LIQUEFIED PETROLEUM GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS	Q	Q	Q	Q	Q	-	-	-	-
ELECTRICITY	Q	Q	Q	Q	Q	-	-	-	-
FUEL OIL OR KEROSENE	.3	136	12	142	11.41	-	-	-	-
LPG	.5	967	88	768	8.70	.5	967	88	768
WOOD	.2	300	27	255	9.31	-	-	-	-
OTHER OR NONE	Q	Q	Q	Q	Q	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	Q	Q	Q	Q	Q	Q	Q	Q	Q
ELECTRICITY	0.6	479	44	398	9.09	0.3	890	81	710
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER	.5	777	71	625	8.81	.2	1067	97	844
MAIN HEATING EQUIPMENT USING LPG									
CENTRAL WARM AIR FURNACE	.4	943	86	742	8.62	.4	943	86	742
OTHER/NONE	.7	429	39	364	9.30	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	.6	543	50	455	9.18	.2	951	87	772
<2,000 CDD AND 5,500 TO 7,000 HDD	.3	638	58	516	8.85	.2	950	87	753
<2,000 CDD AND 4,000 TO 5,499 HDD	.2	809	74	624	8.44	Q	Q	Q	Q
<2,000 CDD AND <4,000 HDD	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Average LPG Consumption and Expenditures

Table 7. (Continued) Census Division: West North Central

HOUSEHOLD CHARACTERISTICS	ANY LIQUEFIED PETROLEUM GAS USED					LIQUEFIED PETROLEUM GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	0.7	732	67	526	7.86	0.5	1032	94	733
AREA TYPE									
METROPOLITAN	Q	Q	Q	Q	Q	Q	Q	Q	Q
CENTRAL CITY	Q	Q	Q	Q	Q	Q	Q	Q	Q
OUTSIDE CENTRAL CITY	Q	Q	Q	Q	Q	Q	Q	Q	Q
NON-METROPOLITAN	.6	734	67	527	7.86	.4	1028	94	730
LPG PAID BY HOUSEHOLD									
YES	.7	732	67	526	7.86	.5	1032	94	733
NO	Q	Q	Q	Q	Q	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE									
MOBILE HOME	Q	Q	Q	Q	Q	Q	Q	Q	Q
SINGLE FAMILY	.6	774	71	555	7.85	.4	1084	99	768
2 OR MORE UNITS	Q	Q	Q	Q	Q	Q	Q	Q	Q
NUMBER OF ROOMS									
1 TO 3	Q	Q	Q	Q	Q	Q	Q	Q	Q
4 TO 5	.3	501	46	368	8.05	.2	825	75	597
6 OR MORE	.4	1002	91	709	7.74	.3	1148	105	807
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 999	.2	290	26	212	8.02	Q	Q	Q	Q
1,000 TO 1,999	.3	643	59	489	8.31	.2	827	76	620
2,000 OR MORE	.2	1307	119	896	7.51	.2	1414	129	963
YEAR HOUSE BUILT									
BEFORE 1950	.3	852	78	614	7.89	.2	1106	101	791
1950 TO 1974	.3	666	61	477	7.85	.2	1010	92	714
AFTER 1974	Q	Q	Q	Q	Q	Q	Q	Q	Q
OWN/RENT									
OWN	0.7	743	68	532	7.84	0.4	1042	95	738
RENT	Q	Q	Q	Q	Q	Q	Q	Q	Q
1981 FAMILY INCOME									
LESS THAN $10,000	.3	575	52	424	8.07	.2	901	82	646
$10,000 TO $19,999	.2	439	40	328	8.19	Q	Q	Q	Q
$20,000 TO $34,999	Q	Q	Q	Q	Q	Q	Q	Q	Q
$35,000 OR MORE	.2	1043	95	749	7.86	Q	Q	Q	Q
TOTAL BELOW 100 PERCENT OF POVERTY LINE	Q	Q	Q	Q	Q	Q	Q	Q	Q
TOTAL BELOW 125 PERCENT OF POVERTY LINE	Q	Q	Q	Q	Q	Q	Q	Q	Q
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS	.2	519	47	378	7.97	Q	Q	Q	Q
35 TO 59 YEARS	.4	865	79	619	7.83	.3	1083	99	769
60 YEARS AND OVER	.2	667	61	480	7.87	Q	Q	Q	Q
HOUSEHOLD MEMBERS									
ONE PERSON	Q	Q	Q	Q	Q	Q	Q	Q	Q
2 TO 4 PEOPLE	.5	741	68	525	7.76	.3	1051	96	738
5 OR MORE PEOPLE	Q	Q	Q	Q	Q	Q	Q	Q	Q

See footnotes at end of table.

Average LPG Consumption and Expenditures

Table 7. (Continued) Census Division: West North Central

HOUSEHOLD CHARACTERISTICS	ANY LIQUEFIED PETROLEUM GAS USED					LIQUEFIED PETROLEUM GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS	Q	Q	Q	Q	Q	-	-	-	-
ELECTRICITY	Q	Q	Q	Q	Q	-	-	-	-
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	-	-	-	-
LPG	.5	1032	94	733	7.77	.5	1032	94	733
WOOD	.2	258	24	202	8.56	-	-	-	-
OTHER OR NONE	Q	Q	Q	Q	Q	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	Q	Q	Q	Q	Q	Q	Q	Q	Q
ELECTRICITY	0.3	507	46	374	8.08	0.2	870	79	627
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER	.4	895	82	636	7.78	.3	1119	102	789
MAIN HEATING EQUIPMENT USING LPG									
CENTRAL WARM AIR FURNACE	.3	1015	93	725	7.81	.3	1015	93	725
OTHER/NONE	.4	499	46	362	7.95	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	.2	835	76	595	7.81	.2	1082	99	765
<2,000 CDD AND 5,500 TO 7,000 HDD	.2	1134	104	770	7.44	Q	Q	Q	Q
<2,000 CDD AND 4,000 TO 5,499 HDD	.4	489	45	374	8.38	.2	842	77	638
<2,000 CDD AND <4,000 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q
>2,000 CDD AND <4,000 HDD	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Average LPG Consumption and Expenditures

Table 7. (Continued)
Census Region: South

HOUSEHOLD CHARACTERISTICS	ANY LIQUEFIED PETROLEUM GAS USED					LIQUEFIED PETROLEUM GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	3.5	373	34	334	9.82	2.3	473	43	409
AREA TYPE									
METROPOLITAN	1.8	327	30	310	10.37	1.1	417	38	376
CENTRAL CITY	.4	202	18	221	12.01	.3	231	21	257
OUTSIDE CENTRAL CITY	1.4	362	33	334	10.12	.9	472	43	411
NON-METROPOLITAN	1.7	422	39	361	9.36	1.1	529	48	441
LPG PAID BY HOUSEHOLD									
YES	3.2	365	33	329	9.89	2.0	464	42	403
NO	.3	468	43	394	9.20	.2	565	52	462
TYPE OF HOUSING STRUCTURE									
MOBILE HOME	.8	295	27	270	10.03	.5	394	36	349
SINGLE FAMILY	2.7	398	36	355	9.77	1.8	496	45	425
2 OR MORE UNITS	Q	Q	Q	Q	Q	Q	Q	Q	Q
NUMBER OF ROOMS									
1 TO 3	.3	236	22	223	10.33	.2	287	26	268
4 TO 5	1.8	355	32	322	9.95	1.1	446	41	392
6 OR MORE	1.4	423	39	372	9.63	.9	545	50	458
MEASURED HEATED SPACE OF RESI-DENCE (IN SQUARE FEET)									
LESS THAN 999	1.7	326	30	301	10.10	1.1	411	38	367
1,000 TO 1,999	1.5	419	38	369	9.64	1.0	508	46	428
2,000 OR MORE	.3	380	35	333	9.59	Q	Q	Q	Q
YEAR HOUSE BUILT									
BEFORE 1950	1.4	421	38	374	9.72	.9	552	50	470
1950 TO 1974	1.7	326	30	300	10.07	1.1	426	39	375
AFTER 1974	.3	407	37	346	9.29	.3	428	39	363
OWN/RENT									
OWN	2.4	362	33	322	9.74	1.6	460	42	394
RENT	1.1	397	36	362	9.99	.7	504	46	442
1981 FAMILY INCOME									
LESS THAN $10,000	1.7	396	36	353	9.74	1.1	506	46	436
$10,000 TO $19,999	1.1	408	37	363	9.73	.7	516	47	432
$20,000 TO $34,999	.4	280	26	270	10.57	.3	339	31	327
$35,000 OR MORE	.3	250	23	225	9.87	.2	348	32	297
TOTAL BELOW 100 PERCENT OF POVERTY LINE	1.0	383	35	342	9.77	.6	515	47	440
TOTAL BELOW 125 PERCENT OF POVERTY LINE	1.3	396	36	346	9.59	.8	529	48	445
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS	1.0	365	33	322	9.66	.6	475	43	406
35 TO 59 YEARS	1.3	368	34	333	9.91	.8	445	41	383
60 YEARS AND OVER	1.3	383	35	345	9.87	.8	499	46	436
HOUSEHOLD MEMBERS									
ONE PERSON	.8	402	37	381	10.39	.5	526	48	486
2 TO 4 PEOPLE	2.4	354	32	312	9.64	1.6	441	40	373
5 OR MORE PEOPLE	.4	430	39	380	9.69	.2	597	55	501

See footnotes at end of table.

Average LPG Consumption and Expenditures

Table 7. (Continued)
Census Region: South

HOUSEHOLD CHARACTERISTICS	ANY LIQUEFIED PETROLEUM GAS USED					LIQUEFIED PETROLEUM GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS	Q	Q	Q	Q	Q	-	-	-	-
ELECTRICITY	.2	112	10	122	11.93	-	-	-	-
FUEL OIL OR KEROSENE	.5	130	12	160	13.39	-	-	-	-
LPG	2.3	473	43	409	9.45	2.3	473	43	409
WOOD	.5	282	26	272	10.54	-	-	-	-
OTHER OR NONE	Q	Q	Q	Q	Q	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	Q	Q	Q	Q	Q	Q	Q	Q	Q
ELECTRICITY	1.8	293	27	274	10.25	1.2	364	33	328
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER	1.7	466	43	405	9.51	1.1	588	54	493
MAIN HEATING EQUIPMENT USING LPG									
CENTRAL WARM AIR FURNACE	.7	433	40	379	9.57	.7	433	40	379
OTHER/NONE	2.9	358	33	324	9.90	1.6	490	45	421
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	-	-	-	-	-	-	-	-	-
<2,000 CDD AND 5,500 TO 7,000 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q
<2,000 CDD AND 4,000 TO 5,499 HDD	.6	305	28	302	10.85	Q	Q	Q	Q
<2,000 CDD AND <4,000 HDD	1.4	432	39	374	9.50	.9	551	50	462
>2,000 CDD AND <4,000 HDD	1.5	349	32	313	9.80	1.2	380	35	338

See footnotes at end of table.

Average LPG Consumption and Expenditures

Table 7. (Continued) Census Division: South Atlantic

HOUSEHOLD CHARACTERISTICS	ANY LIQUEFIED PETROLEUM GAS USED					LIQUEFIED PETROLEUM GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	2.2	317	29	305	10.51	1.2	435	40	398
AREA TYPE									
METROPOLITAN	1.5	294	27	293	10.91	.8	387	35	367
CENTRAL CITY	.4	202	18	221	12.01	.3	231	21	257
OUTSIDE CENTRAL CITY	1.1	328	30	319	10.66	.6	457	42	417
NON-METROPOLITAN	.7	364	33	328	9.87	.4	534	49	460
LPG PAID BY HOUSEHOLD									
YES	2.1	316	29	305	10.56	1.1	432	39	397
NO	Q	Q	Q	Q	Q	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE									
MOBILE HOME	.5	257	24	247	10.49	.3	345	32	321
SINGLE FAMILY	1.7	340	31	326	10.50	.9	465	42	423
2 OR MORE UNITS	Q	Q	Q	Q	Q	Q	Q	Q	Q
NUMBER OF ROOMS									
1 TO 3	.2	184	17	184	10.98	Q	Q	Q	Q
4 TO 5	1.2	298	27	291	10.69	.7	383	35	360
6 OR MORE	.9	369	34	346	10.27	.5	554	51	488
MEASURED HEATED SPACE OF RESI-DENCE (IN SQUARE FEET)									
LESS THAN 999	1.2	298	27	289	10.60	.7	388	35	363
1,000 TO 1,999	.7	329	30	323	10.75	.4	434	40	399
2,000 OR MORE	.3	371	34	325	9.58	Q	Q	Q	Q
YEAR HOUSE BUILT									
BEFORE 1950	.8	368	34	353	10.51	.4	593	54	538
1950 TO 1974	1.3	296	27	283	10.46	.8	393	36	357
AFTER 1974	Q	Q	Q	Q	Q	Q	Q	Q	Q
OWN/RENT									
OWN	1.4	293	27	280	10.47	0.8	397	36	361
RENT	.8	363	33	350	10.57	.4	510	47	471
1981 FAMILY INCOME									
LESS THAN $10,000	1.0	322	29	308	10.48	.5	456	42	420
$10,000 TO $19,999	.7	383	35	355	10.15	.4	517	47	445
$20,000 TO $34,999	.3	264	24	280	11.61	.2	330	30	342
$35,000 OR MORE	.2	162	15	164	11.10	Q	Q	Q	Q
TOTAL BELOW 100 PERCENT OF POVERTY LINE	.6	311	28	297	10.49	.3	484	44	438
TOTAL BELOW 125 PERCENT OF POVERTY LINE	.7	293	27	281	10.51	.3	460	42	416
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS	.6	329	30	302	10.08	.4	449	41	398
35 TO 59 YEARS	.8	343	31	324	10.34	.5	441	40	394
60 YEARS AND OVER	.8	280	26	285	11.14	.4	413	38	402
HOUSEHOLD MEMBERS									
ONE PERSON	.6	403	37	396	10.75	.3	581	53	555
2 TO 4 PEOPLE	1.4	286	26	269	10.28	.9	379	35	336
5 OR MORE PEOPLE	.2	301	27	308	11.18	Q	Q	Q	Q

See footnotes at end of table.

Average LPG Consumption and Expenditures

Table 7. (Continued) Census Division: South Atlantic

HOUSEHOLD CHARACTERISTICS	ANY LIQUEFIED PETROLEUM GAS USED					LIQUEFIED PETROLEUM GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS	Q	Q	Q	Q	Q	-	-	-	-
ELECTRICITY	.2	125	11	137	12.07	-	-	-	-
FUEL OIL OR KEROSENE	.5	131	12	160	13.37	-	-	-	-
LPG	1.2	435	40	398	10.01	1.2	435	40	398
WOOD	.3	260	24	263	11.07	-	-	-	-
OTHER OR NONE	Q	Q	Q	Q	Q	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	Q	Q	Q	Q	Q	Q	Q	Q	Q
ELECTRICITY	1.3	275	25	267	10.63	0.8	354	32	331
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER	.8	401	37	378	10.32	.5	574	52	511
MAIN HEATING EQUIPMENT USING LPG									
CENTRAL WARM AIR FURNACE	.4	390	36	358	10.04	.4	390	36	358
OTHER/NONE	1.8	300	27	292	10.66	.8	458	42	419
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	-	-	-	-	-	-	-	-	-
<2,000 CDD AND 5,500 TO 7,000 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q
<2,000 CDD AND 4,000 TO 5,499 HDD	.6	308	28	305	10.86	Q	Q	Q	Q
<2,000 CDD AND <4,000 HDD	.8	383	35	349	9.97	.5	538	49	469
>2,000 CDD AND <4,000 HDD	.8	256	23	258	11.04	.6	284	26	284

See footnotes at end of table.

Average LPG Consumption and Expenditures

Table 7. (Continued) Census Division: East South Central

HOUSEHOLD CHARACTERISTICS	ANY LIQUEFIED PETROLEUM GAS USED					LIQUEFIED PETROLEUM GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	0.5	381	35	323	9.29	0.3	428	39	353
AREA TYPE									
METROPOLITAN	.2	293	27	259	9.66	Q	Q	Q	Q
CENTRAL CITY	Q	Q	Q	Q	Q	Q	Q	Q	Q
OUTSIDE CENTRAL CITY	.2	293	27	259	9.66	Q	Q	Q	Q
NON-METROPOLITAN	.3	423	39	354	9.17	.2	505	46	414
LPG PAID BY HOUSEHOLD									
YES	.5	381	35	323	9.29	.3	428	39	353
NO	Q	Q	Q	Q	Q	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE									
MOBILE HOME	Q	Q	Q	Q	Q	Q	Q	Q	Q
SINGLE FAMILY	.4	384	35	325	9.26	.3	394	36	325
2 OR MORE UNITS	Q	Q	Q	Q	Q	Q	Q	Q	Q
NUMBER OF ROOMS									
1 TO 3	Q	Q	Q	Q	Q	Q	Q	Q	Q
4 TO 5	.3	465	42	382	9.01	.2	557	51	447
6 OR MORE	.2	322	29	283	9.64	Q	Q	Q	Q
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 999	.2	368	34	310	9.23	Q	Q	Q	Q
1,000 TO 1,999	.3	383	35	325	9.30	.2	422	39	347
2,000 OR MORE	Q	Q	Q	Q	Q	Q	Q	Q	Q
YEAR HOUSE BUILT									
BEFORE 1950	.2	400	37	346	9.45	Q	Q	Q	Q
1950 TO 1974	.2	342	31	289	9.25	Q	Q	Q	Q
AFTER 1974	Q	Q	Q	Q	Q	Q	Q	Q	Q
OWN/RENT									
OWN	0.5	382	35	324	9.29	0.3	438	40	361
RENT	Q	Q	Q	Q	Q	Q	Q	Q	Q
1981 FAMILY INCOME									
LESS THAN $10,000	Q	Q	Q	Q	Q	Q	Q	Q	Q
$10,000 TO $19,999	.2	410	37	353	9.43	Q	Q	Q	Q
$20,000 TO $34,999	Q	Q	Q	Q	Q	Q	Q	Q	Q
$35,000 OR MORE	Q	Q	Q	Q	Q	Q	Q	Q	Q
TOTAL BELOW 100 PERCENT OF POVERTY LINE	Q	Q	Q	Q	Q	Q	Q	Q	Q
TOTAL BELOW 125 PERCENT OF POVERTY LINE	Q	Q	Q	Q	Q	Q	Q	Q	Q
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS	Q	Q	Q	Q	Q	Q	Q	Q	Q
35 TO 59 YEARS	.2	416	38	350	9.21	Q	Q	Q	Q
60 YEARS AND OVER	.2	396	36	334	9.22	.2	426	39	361
HOUSEHOLD MEMBERS									
ONE PERSON	Q	Q	Q	Q	Q	Q	Q	Q	Q
2 TO 4 PEOPLE	.4	378	35	321	9.29	.2	454	41	368
5 OR MORE PEOPLE	Q	Q	Q	Q	Q	Q	Q	Q	Q

See footnotes at end of table.

Average LPG Consumption and Expenditures

Table 7. (Continued) Census Division: East South Central

HOUSEHOLD CHARACTERISTICS	ANY LIQUEFIED PETROLEUM GAS USED					LIQUEFIED PETROLEUM GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS	Q	Q	Q	Q	Q	-	-	-	-
ELECTRICITY	Q	Q	Q	Q	Q	-	-	-	-
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	-	-	-	-
LPG	.3	428	39	353	9.02	.3	428	39	353
WOOD	Q	Q	Q	Q	Q	-	-	-	-
OTHER OR NONE	Q	Q	Q	Q	Q	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	Q	Q	Q	Q	Q	Q	Q	Q	Q
ELECTRICITY	0.3	344	31	294	9.37	0.3	398	36	332
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER	.2	458	42	384	9.17	Q	Q	Q	Q
MAIN HEATING EQUIPMENT USING LPG									
CENTRAL WARM AIR FURNACE	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER/NONE	.4	376	34	320	9.33	.3	429	39	354
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	-	-	-	-	-	-	-	-	-
<2,000 CDD AND 5,500 TO 7,000 HDD	-	-	-	-	-	-	-	-	-
<2,000 CDD AND 4,000 TO 5,499 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q
<2,000 CDD AND <4,000 HDD	.3	390	36	327	9.18	.2	432	39	354
>2,000 CDD AND <4,000 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q

See footnotes at end of table.

Average LPG Consumption and Expenditures

Table 7. (Continued) Census Division: West South Central

HOUSEHOLD CHARACTERISTICS	ANY LIQUEFIED PETROLEUM GAS USED					LIQUEFIED PETROLEUM GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	0.8	520	47	423	8.92	0.7	561	51	454
AREA TYPE									
METROPOLITAN	.2	594	54	474	8.74	.2	635	58	502
CENTRAL CITY	Q	Q	Q	Q	Q	Q	Q	Q	Q
OUTSIDE CENTRAL CITY	.2	594	54	474	8.74	.2	635	58	502
NON-METROPOLITAN	.6	494	45	406	8.99	.5	535	49	437
LPG PAID BY HOUSEHOLD									
YES	.7	501	46	409	8.94	.6	549	50	444
NO	Q	Q	Q	Q	Q	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE									
MOBILE HOME	Q	Q	Q	Q	Q	Q	Q	Q	Q
SINGLE FAMILY	.7	550	50	445	8.86	.6	590	54	473
2 OR MORE UNITS	Q	Q	Q	Q	Q	Q	Q	Q	Q
NUMBER OF ROOMS									
1 TO 3	Q	Q	Q	Q	Q	Q	Q	Q	Q
4 TO 5	.4	448	41	375	9.16	.3	523	48	431
6 OR MORE	.3	636	58	501	8.62	.3	636	58	501
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 999	.3	420	38	348	9.07	.2	465	43	382
1,000 TO 1,999	.5	571	52	462	8.85	.4	611	56	491
2,000 OR MORE	Q	Q	Q	Q	Q	Q	Q	Q	Q
YEAR HOUSE BUILT									
BEFORE 1950	.4	524	48	423	8.83	.4	566	52	452
1950 TO 1974	.2	515	47	431	9.15	.2	541	49	450
AFTER 1974	.2	512	47	416	8.89	Q	Q	Q	Q
OWN/RENT									
OWN	0.5	538	49	438	8.91	0.4	595	54	481
RENT	.3	488	45	398	8.92	.3	509	47	412
1981 FAMILY INCOME									
LESS THAN $10,000	.5	535	49	437	8.95	.4	587	54	475
$10,000 TO $19,999	.2	491	45	399	8.90	.2	536	49	435
$20,000 TO $34,999	Q	Q	Q	Q	Q	Q	Q	Q	Q
$35,000 OR MORE	Q	Q	Q	Q	Q	Q	Q	Q	Q
TOTAL BELOW 100 PERCENT OF POVERTY LINE	.3	511	47	421	9.02	.2	587	54	474
TOTAL BELOW 125 PERCENT OF POVERTY LINE	.4	550	50	445	8.86	.3	618	56	493
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS	.2	486	44	398	8.96	.2	535	51	449
35 TO 59 YEARS	.2	424	39	355	9.15	.2	444	41	367
60 YEARS AND OVER	.3	613	56	491	8.78	.3	654	60	522
HOUSEHOLD MEMBERS									
ONE PERSON	Q	Q	Q	Q	Q	Q	Q	Q	Q
2 TO 4 PEOPLE	.6	514	47	417	8.89	.5	537	49	436
5 OR MORE PEOPLE	Q	Q	Q	Q	Q	Q	Q	Q	Q

See footnotes at end of table.

Average LPG Consumption and Expenditures

Table 7. (Continued) Census Division: West South Central

HOUSEHOLD CHARACTERISTICS	ANY LIQUEFIED PETROLEUM GAS USED					LIQUEFIED PETROLEUM GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS	Q	Q	Q	Q	Q	-	-	-	-
ELECTRICITY	Q	Q	Q	Q	Q	-	-	-	-
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	-	-	-	-
LPG	.7	561	51	454	8.85	.7	561	51	454
WOOD	Q	Q	Q	Q	Q	-	-	-	-
OTHER OR NONE	Q	Q	Q	Q	Q	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	Q	Q	Q	Q	Q	Q	Q	Q	Q
ELECTRICITY	Q	Q	Q	Q	Q	Q	Q	Q	Q
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER	0.7	545	50	442	8.89	0.6	598	55	481
MAIN HEATING EQUIPMENT USING LPG									
CENTRAL WARM AIR FURNACE	.2	532	49	435	8.94	.2	532	49	435
OTHER/NONE	.6	516	47	420	8.91	.5	572	52	461
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	-	-	-	-	-	-	-	-	-
<2,000 CDD AND 5,500 TO 7,000 HDD	-	-	-	-	-	-	-	-	-
<2,000 CDD AND 4,000 TO 5,499 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q
<2,000 CDD AND <4,000 HDD	.2	654	60	523	8.75	.2	697	64	553
>2,000 CDD AND <4,000 HDD	.6	465	42	382	9.01	.5	502	46	411

See footnotes at end of table.

Average LPG Consumption and Expenditures

Table 7. (Continued)
Census Region: West

HOUSEHOLD CHARACTERISTICS	ANY LIQUEFIED PETROLEUM GAS USED					LIQUEFIED PETROLEUM GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	0.9	468	43	413	9.68	0.4	714	65	561
AREA TYPE									
METROPOLITAN	.3	365	33	307	9.22	.2	532	49	440
CENTRAL CITY	Q	Q	Q	Q	Q	Q	Q	Q	Q
OUTSIDE CENTRAL CITY	.3	358	33	300	9.18	Q	Q	Q	Q
NON-METROPOLITAN	.6	524	48	472	9.86	.2	851	78	651
LPG PAID BY HOUSEHOLD									
YES	.8	421	38	384	9.98	.3	674	62	532
NO	Q	Q	Q	Q	Q	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE									
MOBILE HOME	.2	598	55	473	8.65	.2	721	66	567
SINGLE FAMILY	.6	408	37	385	10.35	.2	714	65	557
2 OR MORE UNITS	Q	Q	Q	Q	Q	Q	Q	Q	Q
NUMBER OF ROOMS									
1 TO 3	.2	313	29	282	9.89	Q	Q	Q	Q
4 TO 5	.4	442	40	387	9.60	.2	688	63	540
6 OR MORE	.3	596	54	529	9.72	Q	Q	Q	Q
MEASURED HEATED SPACE OF RESI-DENCE (IN SQUARE FEET)									
LESS THAN 999	.5	390	36	386	10.81	.2	556	51	455
1,000 TO 1,999	.2	497	45	409	9.01	Q	Q	Q	Q
2,000 OR MORE	.2	644	59	500	8.51	Q	Q	Q	Q
YEAR HOUSE BUILT									
BEFORE 1950	.3	332	30	305	10.06	Q	Q	Q	Q
1950 TO 1974	.3	531	49	465	9.58	Q	Q	Q	Q
AFTER 1974	.3	528	48	461	9.56	.2	708	65	559
OWN/RENT									
OWN	0.5	479	44	415	9.49	0.2	756	69	586
RENT	.3	448	41	410	10.02	Q	Q	Q	Q
1981 FAMILY INCOME									
LESS THAN $10,000	.3	422	39	375	9.73	.2	596	54	477
$10,000 TO $19,999	.3	531	49	457	9.42	Q	Q	Q	Q
$20,000 TO $34,999	Q	Q	Q	Q	Q	Q	Q	Q	Q
$35,000 OR MORE	.2	389	36	379	10.67	Q	Q	Q	Q
TOTAL BELOW 100 PERCENT OF POVERTY LINE	Q	Q	Q	Q	Q	Q	Q	Q	Q
TOTAL BELOW 125 PERCENT OF POVERTY LINE	.3	579	53	485	9.18	Q	Q	Q	Q
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS	.3	434	40	402	10.13	Q	Q	Q	Q
35 TO 59 YEARS	.4	551	50	472	9.39	.2	760	69	593
60 YEARS AND OVER	.2	368	34	321	9.55	Q	Q	Q	Q
HOUSEHOLD MEMBERS									
ONE PERSON	Q	Q	Q	Q	Q	Q	Q	Q	Q
2 TO 4 PEOPLE	.5	462	42	406	9.62	.3	660	60	523
5 OR MORE PEOPLE	.2	632	58	563	9.76	Q	Q	Q	Q

See footnotes at end of table.

Average LPG Consumption and Expenditures

Table 7. (Continued)
Census Region: West

HOUSEHOLD CHARACTERISTICS	ANY LIQUEFIED PETROLEUM GAS USED					LIQUEFIED PETROLEUM GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS	Q	Q	Q	Q	Q	-	-	-	-
ELECTRICITY	Q	Q	Q	Q	Q	-	-	-	-
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	-	-	-	-
LPG	.4	714	65	561	8.59	.4	714	65	561
WOOD	.3	317	29	268	9.25	-	-	-	-
OTHER OR NONE	.2	238	22	356	16.38	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	Q	Q	Q	Q	Q	Q	Q	Q	Q
ELECTRICITY	Q	Q	Q	Q	Q	Q	Q	Q	Q
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER	0.7	500	46	444	9.72	0.3	727	66	572
MAIN HEATING EQUIPMENT USING LPG									
CENTRAL WARM AIR FURNACE	.2	979	89	741	8.29	.2	979	89	741
OTHER/NONE	.7	354	32	340	10.53	.2	522	48	429
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q
<2,000 CDD AND 5,500 TO 7,000 HDD	.3	555	51	450	8.88	Q	Q	Q	Q
<2,000 CDD AND 4,000 TO 5,499 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q
<2,000 CDD AND <4,000 HDD	.2	377	34	309	8.99	Q	Q	Q	Q
>2,000 CDD AND <4,000 HDD	.2	271	25	391	15.80	Q	Q	Q	Q

See footnotes at end of table.

Average LPG Consumption and Expenditures

Table 7. (Continued)
Census Division: Mountain

HOUSEHOLD CHARACTERISTICS	ANY LIQUEFIED PETROLEUM GAS USED					LIQUEFIED PETROLEUM GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	0.4	640	58	504	8.63	0.2	836	76	640
AREA TYPE									
METROPOLITAN	Q	Q	Q	Q	Q	Q	Q	Q	Q
CENTRAL CITY	Q	Q	Q	Q	Q	Q	Q	Q	Q
OUTSIDE CENTRAL CITY	Q	Q	Q	Q	Q	Q	Q	Q	Q
NON-METROPOLITAN	.4	646	59	509	8.62	.2	851	78	651
LPG PAID BY HOUSEHOLD									
YES	.3	573	52	456	8.70	Q	Q	Q	Q
NO	Q	Q	Q	Q	Q	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE									
MOBILE HOME	Q	Q	Q	Q	Q	Q	Q	Q	Q
SINGLE FAMILY	.3	594	54	469	8.65	Q	Q	Q	Q
2 OR MORE UNITS	Q	Q	Q	Q	Q	Q	Q	Q	Q
NUMBER OF ROOMS									
1 TO 3	Q	Q	Q	Q	Q	Q	Q	Q	Q
4 TO 5	.2	580	53	465	8.78	Q	Q	Q	Q
6 OR MORE	.2	835	76	634	8.32	Q	Q	Q	Q
MEASURED HEATED SPACE OF RESI-DENCE (IN SQUARE FEET)									
LESS THAN 999	.2	515	47	422	8.97	Q	Q	Q	Q
1,000 TO 1,999	.2	618	56	491	8.69	Q	Q	Q	Q
2,000 OR MORE	Q	Q	Q	Q	Q	Q	Q	Q	Q
YEAR HOUSE BUILT									
BEFORE 1950	Q	Q	Q	Q	Q	Q	Q	Q	Q
1950 TO 1974	.2	736	67	572	8.51	Q	Q	Q	Q
AFTER 1974	Q	Q	Q	Q	Q	Q	Q	Q	Q
OWN/RENT									
OWN	0.3	649	59	506	8.54	0.2	903	82	684
RENT	Q	Q	Q	Q	Q	Q	Q	Q	Q
1981 FAMILY INCOME									
LESS THAN $10,000	Q	Q	Q	Q	Q	Q	Q	Q	Q
$10,000 TO $19,999	Q	Q	Q	Q	Q	Q	Q	Q	Q
$20,000 TO $34,999	Q	Q	Q	Q	Q	Q	Q	Q	Q
$35,000 OR MORE	Q	Q	Q	Q	Q	Q	Q	Q	Q
TOTAL BELOW 100 PERCENT OF POVERTY LINE	Q	Q	Q	Q	Q	Q	Q	Q	Q
TOTAL BELOW 125 PERCENT OF POVERTY LINE	Q	Q	Q	Q	Q	Q	Q	Q	Q
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS	.2	530	48	431	8.90	Q	Q	Q	Q
35 TO 59 YEARS	.2	830	76	633	8.35	Q	Q	Q	Q
60 YEARS AND OVER	Q	Q	Q	Q	Q	Q	Q	Q	Q
HOUSEHOLD MEMBERS									
ONE PERSON	Q	Q	Q	Q	Q	Q	Q	Q	Q
2 TO 4 PEOPLE	.3	588	54	467	8.70	.2	727	66	567
5 OR MORE PEOPLE	Q	Q	Q	Q	Q	Q	Q	Q	Q

See footnotes at end of table.

Average LPG Consumption and Expenditures

Table 7. (Continued)
Census Division: Mountain

HOUSEHOLD CHARACTERISTICS	ANY LIQUEFIED PETROLEUM GAS USED					LIQUEFIED PETROLEUM GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS	Q	Q	Q	Q	Q	-	-	-	-
ELECTRICITY	Q	Q	Q	Q	Q	-	-	-	-
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	-	-	-	-
LPG	.2	836	76	640	8.38	.2	836	76	640
WOOD	.2	396	36	335	9.26	-	-	-	-
OTHER OR NONE	Q	Q	Q	Q	Q	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	Q	Q	Q	Q	Q	Q	Q	Q	Q
ELECTRICITY	Q	Q	Q	Q	Q	Q	Q	Q	Q
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER	0.4	634	58	501	8.65	0.2	874	80	668
MAIN HEATING EQUIPMENT USING LPG									
CENTRAL WARM AIR FURNACE	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER/NONE	.3	475	43	389	8.97	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q
<2,000 CDD AND 5,500 TO 7,000 HDD	.3	555	51	450	8.88	Q	Q	Q	Q
<2,000 CDD AND 4,000 TO 5,499 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q
<2,000 CDD AND <4,000 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q
>2,000 CDD AND <4,000 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q

See footnotes at end of table.

Average LPG Consumption and Expenditures

Table 7. (Continued) Census Division: Pacific

HOUSEHOLD CHARACTERISTICS	ANY LIQUEFIED PETROLEUM GAS USED					LIQUEFIED PETROLEUM GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS	0.5	319	29	335	11.49	0.2	532	49	442
AREA TYPE									
METROPOLITAN	.3	358	33	303	9.24	.2	532	49	442
CENTRAL CITY	Q	Q	Q	Q	Q	Q	Q	Q	Q
OUTSIDE CENTRAL CITY	.3	358	33	301	9.19	Q	Q	Q	Q
NON-METROPOLITAN	.2	254	23	390	16.83	Q	Q	Q	Q
LPG PAID BY HOUSEHOLD									
YES	.5	319	29	336	11.53	Q	Q	Q	Q
NO	Q	Q	Q	Q	Q	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE									
MOBILE HOME	Q	Q	Q	Q	Q	Q	Q	Q	Q
SINGLE FAMILY	.3	265	24	321	13.27	Q	Q	Q	Q
2 OR MORE UNITS	Q	Q	Q	Q	Q	Q	Q	Q	Q
NUMBER OF ROOMS									
1 TO 3	Q	Q	Q	Q	Q	Q	Q	Q	Q
4 TO 5	.3	353	32	337	10.46	Q	Q	Q	Q
6 OR MORE	Q	Q	Q	Q	Q	Q	Q	Q	Q
MEASURED HEATED SPACE OF RESI-DENCE (IN SQUARE FEET)									
LESS THAN 999	.3	328	30	367	12.26	Q	Q	Q	Q
1,000 TO 1,999	Q	Q	Q	Q	Q	Q	Q	Q	Q
2,000 OR MORE	Q	Q	Q	Q	Q	Q	Q	Q	Q
YEAR HOUSE BUILT									
BEFORE 1950	.2	254	23	265	11.39	Q	Q	Q	Q
1950 TO 1974	Q	Q	Q	Q	Q	Q	Q	Q	Q
AFTER 1974	.2	446	41	426	10.46	Q	Q	Q	Q
OWN/RENT									
OWN	0.3	300	27	319	11.64	Q	Q	Q	Q
RENT	.2	344	31	356	11.32	Q	Q	Q	Q
1981 FAMILY INCOME									
LESS THAN $10,000	.2	301	27	308	11.23	Q	Q	Q	Q
$10,000 TO $19,999	.2	371	34	358	10.57	Q	Q	Q	Q
$20,000 TO $34,999	Q	Q	Q	Q	Q	Q	Q	Q	Q
$35,000 OR MORE	Q	Q	Q	Q	Q	Q	Q	Q	Q
TOTAL BELOW 100 PERCENT OF POVERTY LINE	Q	Q	Q	Q	Q	Q	Q	Q	Q
TOTAL BELOW 125 PERCENT OF POVERTY LINE	Q	Q	Q	Q	Q	Q	Q	Q	Q
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS	.2	337	31	372	12.09	Q	Q	Q	Q
35 TO 59 YEARS	.2	326	30	343	11.51	Q	Q	Q	Q
60 YEARS AND OVER	Q	Q	Q	Q	Q	Q	Q	Q	Q
HOUSEHOLD MEMBERS									
ONE PERSON	Q	Q	Q	Q	Q	Q	Q	Q	Q
2 TO 4 PEOPLE	.3	354	32	354	10.93	Q	Q	Q	Q
5 OR MORE PEOPLE	Q	Q	Q	Q	Q	Q	Q	Q	Q

See footnotes at end of table.

Average LPG Consumption and Expenditures

Table 7. (Continued)
Census Division: Pacific

HOUSEHOLD CHARACTERISTICS	ANY LIQUEFIED PETROLEUM GAS USED					LIQUEFIED PETROLEUM GAS USED AS MAIN HEATING FUEL			
	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE (DOLLARS PER MILLION BTU)	NUMBER OF HOUSE-HOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (GALLONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPEND-ITURES PER HOUSEHOLD (DOLLARS)
MAIN HEATING FUEL									
NATURAL GAS	Q	Q	Q	Q	Q	-	-	-	-
ELECTRICITY	Q	Q	Q	Q	Q	-	-	-	-
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	-	-	-	-
LPG	.2	532	49	442	9.08	0.2	532	49	442
WOOD	Q	Q	Q	Q	Q	-	-	-	-
OTHER OR NONE	.2	234	21	357	16.72	-	-	-	-
HOT WATER FUEL									
NATURAL GAS	Q	Q	Q	Q	Q	Q	Q	Q	Q
ELECTRICITY	Q	Q	Q	Q	Q	Q	Q	Q	Q
FUEL OIL OR KEROSENE	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER	0.4	365	33	387	11.60	Q	Q	Q	Q
MAIN HEATING EQUIPMENT USING LPG									
CENTRAL WARM AIR FURNACE	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER/NONE	.4	275	25	309	12.28	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q
<2,000 CDD AND 5,500 TO 7,000 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q
<2,000 CDD AND 4,000 TO 5,499 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q
<2,000 CDD AND <4,000 HDD	.2	377	34	309	8.99	Q	Q	Q	Q
>2,000 CDD AND <4,000 HDD	.2	271	25	391	15.80	Q	Q	Q	Q

"-" = DATA NOT APPLICABLE.
"Q" = DATA WITHHELD BECAUSE OF A LARGE VARIANCE.
NOTE: BECAUSE OF ROUNDING, DATA MAY NOT SUM TO TOTALS. PERCENTAGES ARE CALCULATED ON UNROUNDED NUMBERS. SEE GLOSSARY FOR DEFINITION OF TERMS USED IN THIS REPORT.
SOURCE: ENERGY INFORMATION ADMINISTRATION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY END USE DIVISION, FORM EIA-457, THE 1982 RESIDENTIAL ENERGY CONSUMPTION SURVEY.

Wood Consumption

Table 8. U.S. Residential Wood Consumption—April 1982 Through March 1983 United States

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS BURNING WOOD		TOTAL NUMBER OF CORDS BURNED		AVERAGE NUMBER OF CORDS BURNED PER HOUSEHOLD
	(MILLIONS)	(PERCENT)	(MILLIONS)	(PERCENT)	
TOTAL HOUSEHOLDS	21.1	100.0	43.9	100.0	2.1
AREA TYPE					
METROPOLITAN	14.2	67.2	19.6	44.6	1.4
CENTRAL CITY	4.1	19.3	3.5	8.1	.9
OUTSIDE CENTRAL CITY	10.1	47.9	16.0	36.5	1.6
NON-METROPOLITAN	6.9	32.8	24.3	55.4	3.5
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)					
LESS THAN 999	2.5	11.8	6.9	15.8	2.8
1,000 TO 1,999	10.1	47.6	21.5	48.9	2.1
2,000 OR MORE	8.6	40.6	15.5	35.3	1.8
1981 FAMILY INCOME					
LESS THAN $10,000	3.2	15.4	11.8	27.0	3.6
$10,000 TO $19,999	5.5	25.9	13.4	30.6	2.5
$20,000 TO $34,999	3.7	17.6	5.9	13.5	1.6
$35,000 OR MORE	8.7	41.1	12.7	28.9	1.5
AMOUNT OF WOOD BURNED					
LESS THAN 2 CORDS	13.7	64.7	8.8	20.0	0.6
2 TO 4 CORDS	4.3	20.3	12.3	28.1	2.9
MORE THAN 4 CORDS	3.1	14.9	22.8	51.9	7.2
WOOD IS MAIN HEATING FUEL					
YES	5.5	26.3	25.6	58.3	4.6
NO	15.6	73.7	18.3	41.7	1.2
YEAR HOUSE BUILT					
BEFORE 1950	6.1	28.8	17.4	39.6	2.9
1950 TO 1974	10.7	50.9	19.2	43.8	1.8
AFTER 1974	4.3	20.3	7.2	16.5	1.7
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE					
<2,000 CDD AND >7,000 HDD	2.7	12.9	12.2	27.8	4.5
<2,000 CDD AND 5,500 TO 7,000 HDD	5.1	24.3	9.2	20.9	1.8
<2,000 CDD AND 4,000 TO 5,499 HDD	6.0	28.5	10.2	23.3	1.7
<2,000 CDD AND <4,000 HDD	5.2	24.7	9.5	21.7	1.8
>2,000 CDD AND <4,000 HDD	2.0	9.6	2.8	6.3	1.4

See footnotes at end of table.

Wood Consumption

Table 8. (Continued) Census Region: Northeast

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS BURNING WOOD		TOTAL NUMBER OF CORDS BURNED		AVERAGE NUMBER OF CORDS BURNED PER HOUSEHOLD
	(MILLIONS)	(PERCENT)	(MILLIONS)	(PERCENT)	
TOTAL HOUSEHOLDS	3.9	100.0	11.3	100.0	2.9
CENSUS DIVISION					
NEW ENGLAND	1.4	35.7	3.4	30.5	2.4
MIDDLE ATLANTIC	2.5	64.3	7.8	69.5	3.1
AREA TYPE					
METROPOLITAN	2.8	72.2	5.3	47.3	1.9
CENTRAL CITY	.3	8.0	.3	2.9	1.0
OUTSIDE CENTRAL CITY	2.5	64.2	5.0	44.5	2.0
NON-METROPOLITAN	1.1	27.8	5.9	52.7	5.4
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)					
LESS THAN 999	.3	8.5	2.1	18.7	6.3
1,000 TO 1,999	1.6	41.3	4.5	39.7	2.7
2,000 OR MORE	2.0	50.2	4.7	41.6	2.4
1981 FAMILY INCOME					
LESS THAN $10,000	.5	12.7	2.1	18.6	4.2
$10,000 TO $19,999	1.2	31.1	4.1	36.4	3.3
$20,000 TO $34,999	.5	13.1	1.3	11.7	2.5
$35,000 OR MORE	1.7	43.1	3.7	33.3	2.2
AMOUNT OF WOOD BURNED					
LESS THAN 2 CORDS	2.2	56.3	1.4	12.4	0.6
2 TO 4 CORDS	.9	21.8	2.6	23.1	3.0
MORE THAN 4 CORDS	.9	22.0	7.3	64.5	8.4
WOOD IS MAIN HEATING FUEL					
YES	1.0	25.6	6.8	60.6	6.8
NO	2.9	74.4	4.4	39.4	1.5
YEAR HOUSE BUILT					
BEFORE 1950	1.4	35.8	4.8	42.5	3.4
1950 TO 1974	2.0	49.9	4.6	40.7	2.3
AFTER 1974	.6	14.2	1.9	16.9	3.4
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE					
<2,000 CDD AND >7,000 HDD	.8	19.6	5.2	46.6	6.8
<2,000 CDD AND 5,500 TO 7,000 HDD	2.1	54.0	4.7	41.5	2.2
<2,000 CDD AND 4,000 TO 5,499 HDD	1.0	26.4	1.3	12.0	1.3
<2,000 CDD AND <4,000 HDD	-	-	-	-	-
>2,000 CDD AND <4,000 HDD	-	-	-	-	-

See footnotes at end of table.

Wood Consumption

Table 8. (Continued) Census Region: North Central

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS BURNING WOOD		TOTAL NUMBER OF CORDS BURNED		AVERAGE NUMBER OF CORDS BURNED PER HOUSEHOLD
	(MILLIONS)	(PERCENT)	(MILLIONS)	(PERCENT)	
TOTAL HOUSEHOLDS	4.8	100.0	10.9	100.0	2.3
CENSUS DIVISION					
EAST NORTH CENTRAL	3.2	66.0	7.8	71.9	2.5
WEST NORTH CENTRAL	1.6	34.0	3.1	28.1	1.9
AREA TYPE					
METROPOLITAN	3.0	62.6	4.2	38.6	1.4
CENTRAL CITY	.9	19.3	.8	7.3	.9
OUTSIDE CENTRAL CITY	2.1	43.3	3.4	31.2	1.6
NON-METROPOLITAN	1.8	37.4	6.7	61.4	3.7
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)					
LESS THAN 999	.5	10.5	1.3	12.2	2.6
1,000 TO 1,999	1.8	37.2	4.1	37.9	2.3
2,000 OR MORE	2.5	52.3	5.4	49.9	2.2
1981 FAMILY INCOME					
LESS THAN $10,000 <11,000	.6	12.7	2.4	22.4	4.0
$10,000 TO $19,999 11-22.5	1.4	28.3	4.1	37.8	3.0
$20,000 TO $34,999 22.5-30	.9	18.5	1.4	12.6	1.5
$35,000 OR MORE >30	2.0	40.5	3.0	27.2	1.5
AMOUNT OF WOOD BURNED					
LESS THAN 2 CORDS	3.1	64.7	2.2	20.5	0.7
2 TO 4 CORDS	.8	16.7	2.4	21.8	2.9
MORE THAN 4 CORDS	.9	18.6	6.3	57.7	7.0
WOOD IS MAIN HEATING FUEL					
YES	1.1	23.1	6.2	56.8	5.5
NO	3.7	76.9	4.7	43.2	1.3
YEAR HOUSE BUILT					
BEFORE 1950	1.4	28.0	4.6	42.3	3.4
1950 TO 1974	2.3	47.7	3.9	35.7	1.7
AFTER 1974	1.2	24.3	2.4	22.0	2.1
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE					
<2,000 CDD AND >7,000 HDD	1.5	31.5	6.0	55.6	4.0
<2,000 CDD AND 5,500 TO 7,000 HDD	2.2	45.7	2.8	25.9	1.3
<2,000 CDD AND 4,000 TO 5,499 HDD	1.1	22.9	2.0	18.6	1.8
<2,000 CDD AND <4,000 HDD	Q	Q	Q	Q	Q
>2,000 CDD AND <4,000 HDD	-	-	-	-	-

See footnotes at end of table.

Wood Consumption

Table 8. (Continued)
Census Region: South

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS BURNING WOOD		TOTAL NUMBER OF CORDS BURNED		AVERAGE NUMBER OF CORDS BURNED PER HOUSEHOLD
	(MILLIONS)	(PERCENT)	(MILLIONS)	(PERCENT)	
TOTAL HOUSEHOLDS	7.6	100.0	15.1	100.0	2.0
CENSUS DIVISION					
SOUTH ATLANTIC	4.1	54.5	8.0	52.9	1.9
EAST SOUTH CENTRAL	1.7	22.7	4.9	32.4	2.8
WEST SOUTH CENTRAL	1.7	22.8	2.2	14.7	1.3
AREA TYPE					
METROPOLITAN	4.4	57.2	6.0	39.5	1.4
CENTRAL CITY	1.1	14.8	1.2	7.8	1.0
OUTSIDE CENTRAL CITY	3.2	42.4	4.8	31.7	1.5
NON-METROPOLITAN	3.3	42.8	9.1	60.5	2.8
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)					
LESS THAN 999	1.0	13.5	2.2	14.5	2.1
1,000 TO 1,999	4.1	53.4	9.6	63.4	2.4
2,000 OR MORE	2.5	33.2	3.3	22.1	1.3
1981 FAMILY INCOME					
LESS THAN $10,000	1.5	19.9	5.7	37.5	3.7
$10,000 TO $19,999	1.8	23.8	3.6	24.0	2.0
$20,000 TO $34,999	1.2	16.3	1.9	12.3	1.5
$35,000 OR MORE	3.1	40.1	4.0	26.2	1.3
AMOUNT OF WOOD BURNED					
LESS THAN 2 CORDS	4.7	62.3	3.3	21.9	0.7
2 TO 4 CORDS	2.0	25.9	5.5	36.6	2.8
MORE THAN 4 CORDS	.9	11.9	6.3	41.5	6.9
WOOD IS MAIN HEATING FUEL					
YES	2.6	33.8	9.4	62.4	3.7
NO	5.0	66.2	5.7	37.6	1.1
YEAR HOUSE BUILT					
BEFORE 1950	2.1	27.0	5.9	39.2	2.9
1950 TO 1974	4.0	52.2	7.1	46.7	1.8
AFTER 1974	1.6	20.7	2.1	14.0	1.3
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE					
<2,000 CDD AND >7,000 HDD	-	-	-	-	-
<2,000 CDD AND 5,500 TO 7,000 HDD	Q	Q	Q	Q	Q
<2,000 CDD AND 4,000 TO 5,499 HDD	2.6	34.5	4.7	30.8	1.8
<2,000 CDD AND <4,000 HDD	3.0	39.8	7.7	51.2	2.6
>2,000 CDD AND <4,000 HDD	2.0	25.8	2.7	18.0	1.4

See footnotes at end of table.

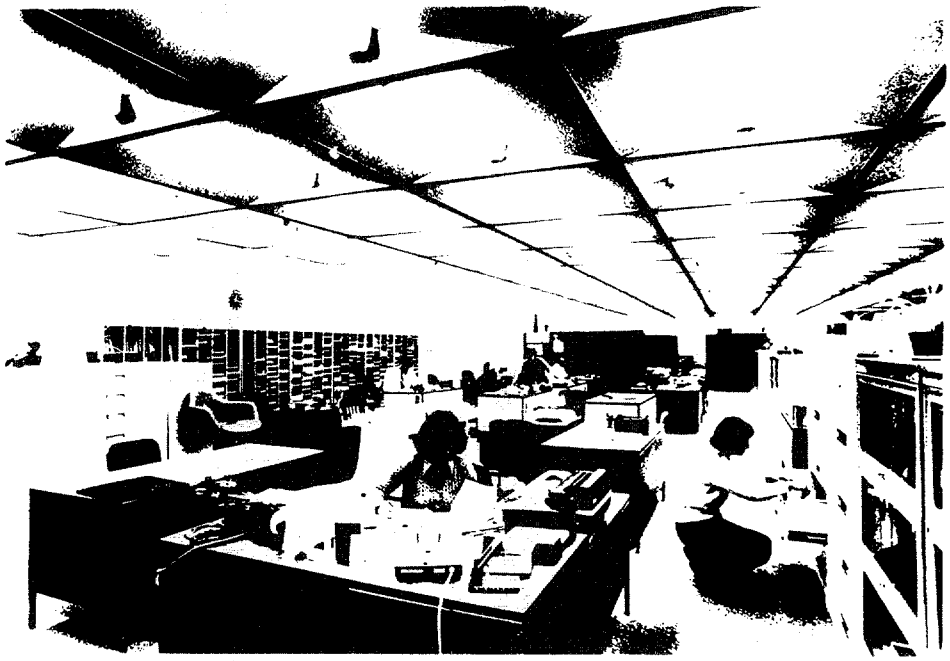
Table 8. (Continued)
Census Region: West

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS BURNING WOOD		TOTAL NUMBER OF CORDS BURNED		AVERAGE NUMBER OF CORDS BURNED PER HOUSEHOLD
	(MILLIONS)	(PERCENT)	(MILLIONS)	(PERCENT)	
TOTAL HOUSEHOLDS	4.7	100.0	6.7	100.0	1.4
CENSUS DIVISION					
MOUNTAIN	1.3	27.1	2.6	38.9	2.0
PACIFIC	3.4	72.9	4.1	61.1	1.2
AREA TYPE					
METROPOLITAN	4.0	83.9	4.1	61.4	1.0
CENTRAL CITY	1.7	36.1	1.2	18.7	.7
OUTSIDE CENTRAL CITY	2.3	47.7	2.8	42.7	1.3
NON-METROPOLITAN	.8	16.1	2.6	38.6	3.4
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)					
LESS THAN 999	.6	13.1	1.3	19.6	2.1
1,000 TO 1,999	2.6	54.4	3.3	50.0	1.3
2,000 OR MORE	1.5	32.5	2.0	30.4	1.3
1981 FAMILY INCOME					
LESS THAN $10,000	.6	13.2	1.6	24.7	2.6
$10,000 TO $19,999	1.1	22.6	1.6	23.9	1.5
$20,000 TO $34,999	1.1	22.7	1.4	20.9	1.3
$35,000 OR MORE	2.0	41.5	2.0	30.5	1.0
AMOUNT OF WOOD BURNED					
LESS THAN 2 CORDS	3.6	75.8	1.9	28.0	0.5
2 TO 4 CORDS	.7	14.0	1.8	27.5	2.8
MORE THAN 4 CORDS	.5	10.3	3.0	44.5	6.1
WOOD IS MAIN HEATING FUEL					
YES	.8	18.0	3.2	47.6	3.7
NO	3.9	82.0	3.5	52.4	.9
YEAR HOUSE BUILT					
BEFORE 1950	1.3	26.5	2.1	31.5	1.7
1950 TO 1974	2.5	52.9	3.7	55.9	1.5
AFTER 1974	1.0	20.6	.8	12.6	.9
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE					
<2,000 CDD AND >7,000 HDD	.4	9.4	.9	13.7	2.1
<2,000 CDD AND 5,500 TO 7,000 HDD	.8	16.8	1.7	25.5	2.1
<2,000 CDD AND 4,000 TO 5,499 HDD	1.2	26.3	2.2	33.4	1.8
<2,000 CDD AND <4,000 HDD	2.2	46.3	1.8	26.6	.8
>2,000 CDD AND <4,000 HDD	Q	Q	Q	Q	Q

"-" = DATA NOT APPLICABLE.
"Q" = DATA WITHHELD BECAUSE OF A LARGE VARIANCE.
NOTE: BECAUSE OF ROUNDING, DATA MAY NOT SUM TO TOTALS. PERCENTAGES ARE CALCULATED ON UNROUNDED NUMBERS. SEE GLOSSARY FOR DEFINITION OF TERMS USED IN THIS REPORT.
SOURCE: ENERGY INFORMATION ADMINISTRATION, OFFICE OF ENERGY MARKETS AND END USE, ENERGY END USE DIVISION, FORM EIA-457, THE 1982 RESIDENTIAL ENERGY CONSUMPTION SURVEY.

Appendix A

How the Survey Was Conducted



Appendix A

Introduction

The Residential Energy Consumption Surveys (RECS) have been designed by the Energy Information Administration (EIA) to provide information concerning energy consumption within the residential sector. Information concerning the housing unit is collected through personal interviews with a representative national sample of households. Data concerning actual energy consumption are obtained from fuel records maintained by the household's fuel suppliers. An inventory of motor vehicles used by the household residents is also obtained at the time of the personal interview.[1]

Data Collection

The fieldwork for this study was conducted by a contractor, Response Analysis Corporation of Princeton, New Jersey. The original sample consisted of 5,903 units, of which some 95 either were not used for dwelling purposes or were not habitable. Of the 5,808 habitable housing units, 536 were ineligible for this study due to a current vacancy or seasonal occupancy (the units were not the primary residence for the occupants). Personal interviews were conducted at 4,475 of the 5,272 eligible units, for a response rate of 84.9 percent. Subsequently, mail questionnaires were sent to 703 of the 797 households that had not participated in personal interviews. Completed questionnaires were returned by 249 of these households, or 35.4 percent of those mailed. Of the total eligible households, responses were received from 89.6 percent (or 4,724 households).

Interviewer contacts at sample households were begun in late September 1982 and continued through January 1983; more than 90 percent of the personal interviews were completed in October and November. Most of the 249 completed mail questionnaires were received in January and February 1983, with a few additional questionnaires received in March. In keeping with past practice in this series of surveys, November was regarded as the rough midpoint for data collection activity. Thus, November 1982 was the date for determining the independent estimates of the size of the universe of households used in the ratio estimation of survey results.

The Interview

The average personal interview which included measurements of the housing unit lasted 52 minutes, with 83 percent of the interviews lasting between 30 and 70 minutes. For a subsample of households in which measurements were not made (827 households) the average interview lasted 44 minutes. The interview with the householder (or his or her spouse) covered structural features of the house related to energy, such as insulation, doors, and windows; the heating and cooling systems, with the fuels used in these systems; use of wood; energy conservation improvements and the reasons for making the improvements; household appliances; household vehicles; receipt of government assistance for the cost of heating; and demographic data on household members. The questionnaire is reproduced in Appendix D.

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[1] Fuel consumption for household vehicles is collected through the Household Transportation Study, which uses subsamples from the residential surveys. Data collected for the period June 1979 through September 1981 are reported in Residential Energy Consumption Survey: Consumption Patterns of Household Vehicles, June 1979 to December 1980, DOE/EIA-0319 (Washington, D.C., April 1982) and Residential Energy Consumption Survey: Consumption Patterns of Household Vehicles, Supplement: January 1981 to September 1981, DOE/EIA-328 (Washington, D.C., February 1983). Data were collected for 1983 using households from this survey.

Appendix A (Continued)

At the end of the interview, respondents were asked to sign a waiver authorizing the contractor to obtain records of energy consumption from the housing unit's energy supplier(s). At this time, the interviewer also measured the dimensions of certain housing units, using a retractable 50-foot metal tape measure, and recorded the dimensions on a rough-drawn diagram of the floor plan. (See Appendix B for further details on the measurement of housing units.)

The Interviewers

A total of 290 interviewers completed one or more personal interviews for this study. The type of training received by interviewers for this study depended primarily on the experience of the interviewer on the 1980 or 1981 RECS. As shown in Table A1, 167 interviewers (58 percent) had completed interviews on a prior RECS. The remainder were conducting their first RECS, but had interviewing experience either with other survey research organizations, or with the U.S. Bureau of the Census.

Table A1. Experience and Training of 1982 RECS Interviewers

Experience on Prior RECS	Training for This RECS[a]	Number of Interviewers
Yes[b]	Home study	167
Yes[c]	Regional training meeting	2
No	Regional training meeting	120
No	Other training	1
		290

[a]All interviewers completed a practice interview and quiz.
[b]Attended regional training meeting and completed interviews on a prior RECS.
[c]Completed interviews on RECS, but did not attend a regional training meeting in a prior year.
Source: Energy Information Administration, 1982 Residential Energy Consumption Survey.

Two-day regional training meetings were held in 14 locations around the country in September 1982. These meetings were attended by 122 interviewers, including almost all those who had not interviewed on a prior RECS. Each session was led by a trainer who had attended a 2-day workshop in Princeton, New Jersey. The 2-day training session for interviewers covered general interviewing techniques, background of the Residential Energy Consumption Surveys, the household questionnaire, ways to measure the respondents' homes, the sampling tasks, and administrative requirements.

All interviewers were required to complete a practice interview and quiz on the questionnaire and sampling procedures. These materials were reviewed by the contractor's central office staff. The basic training document for both the regional meetings and home study was a 78-page manual, Instructions for Interviewers, Residential Energy Consumption Survey, Fall-Winter, 1982-1983.

Interviewers were paid on an hourly basis for their work on RECS, including time for home study, attendance at training sessions, review of completed interviews, actual interviewing time, and travel time to and from training sessions and sample clusters. Interviewers were also reimbursed at standard mileage rates for use of personal vehicles and other travel expenses. Interviewers working in locations believed to present a hazard to their safety were compensated for use of an escort. Each interviewer conducted an average of 15 interviews. Twenty-one interviewers each completed fewer than 6 interviews; the average for this group of 21 interviewers was 3.5 completed interviews. The most interviews completed by one interviewer was 42. Twenty percent of the personal interviews were verified by telephone or mail to ensure that interviews were conducted as intended.

Sample Design

The universe for this sample design includes all housing units occupied as the primary residence in the 50 States and the District of Columbia. The sample of households used as the basis for the 1981 estimates was selected by using a probability sampling design developed especially for the Residential Energy Consumption Survey. The sample design was used for the first time for the 1980 survey. The design required a sample with a minimum level of precision within each of the 10 Federal regions and 9 Census divisions. This requirement meant disproportionate sampling in each of the 17 intersections created by the overlap between the Federal regions and the Census divisions.

The 3,141 counties and independent cities in the 50 States and the District of Columbia were divided into 1,782 Primary Sampling Units (PSU's) on the basis of Standard Metropolitan Statistical Areas (SMSA's)[2], county and independent city boundary lines, and population characteristics. The PSU's were grouped into 131 strata having roughly similar population totals within each of the 17 intersections. Each stratum contained PSU's similar in several characteristics, including, among others, the dominant space-heating fuel and, in some strata, weather conditions. Some PSU's comprising all or part of large metropolitan areas were large enough in population to be a stratum by themselves; 31 of the PSU's are of this type and are called Self-Representing (SR) because the sample from each PSU represented only that PSU. In the other 100 strata, one PSU was selected from among two or more PSU's in the stratum. Each of the 100 PSU's selected from these strata is called Non-Self-Representing (NSR) because each PSU also represents the nonselected PSU's in its stratum.

A number of intermediate probability sampling stages preceded the final selection of RECS households. These stages included the selection of Minor Civil Divisions (MCD's), such as cities, towns, townships, and other Census divisions within each PSU. Within the MCD's, Census tracts or Enumeration Districts (ED's) were selected. A segment of 25 or more housing units was selected within a tract or ED. Segments were formed from field counts in easily identified geographic units. Detailed field listings were created for each segment by a person who visited the area and identified each housing unit by street address or apartment number or other observable feature. A cluster of 25 housing units was selected from the sample segment. The ultimate cluster to be contacted for interviews (averaging about four housing units) was systematically selected from the cluster, and these housing units constituted the assignments given to the interviewers. The number of ultimate clusters totaled 1,515.

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[2]SMSA's are now called MSA's (Metropolitan Statistical Areas), as announced in the press release of March 18, 1983, from the Administrator for Information and Regulatory Affairs, Office of Management and Budget.

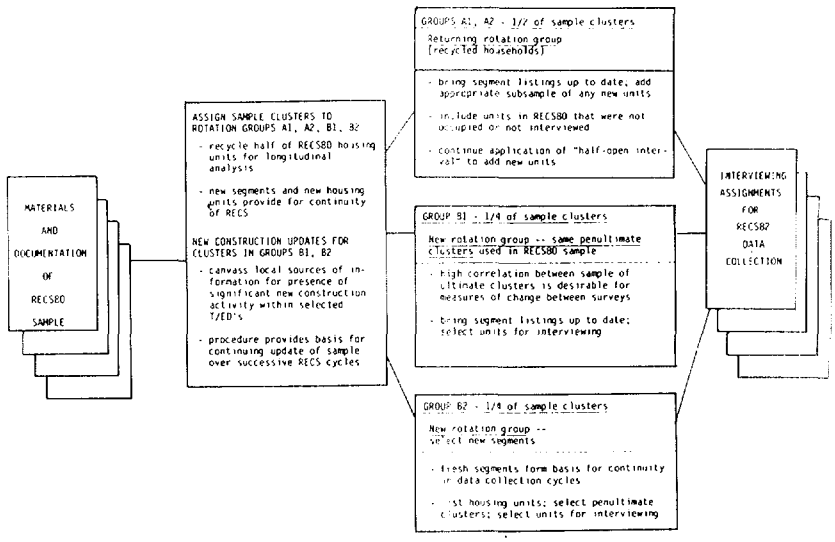
Appendix A (Continued)

The 131 PSU's were selected in early 1980. The population sizes of PSU's were 1978 population estimates from the U.S. Bureau of the Census. Other data used in stratification, such as the dominant home heating fuel, came from the 1970 Census. Classifications of MSA's used for definition and stratification of PSU's were also based on the 1970 Census. (Metropolitan area classifications used in the tabulation of results for this RECS, are based on June 1983 definitions of the Office of Management and Budget.) For selection within PSU's, 1980 projected household counts for subareas of the PSU were used. The projections were based on data for MCD's provided by the National Planning Data Corporation. Within selected MCD's, the procedure for deriving estimated numbers of households in tracts and enumeration districts was based on data from a combination of sources, including Reuben H. Donnelley household address counts, 1970 Census data, and contacts with local sources of information such as a zoning board or agency issuing building permits.

Longitudinal Sample Design

This is the first survey in the RECS series to include a plan for rotation of sample units from an earlier RECS. The primary objective of this rotation scheme was to observe the changes that occurred in the same housing unit over a 2-year period. To accomplish this objective in an efficient way and to set the stage for continuity in the RECS series, systematic random procedures were used to divide the 1,515 clusters in the basic sample into four subsamples, designated as A1, A2, B1, B2. In the 1982 RECS, Groups A1 and A2 constitute a awkward rotation group in which procedures were designed interview a sample of the same housing units that had been in the sample 2 years earlier (in 1980). Groups B1 and B2 constitute, in the 1982 RECS, a new rotation group in which housing units were included in the RECS sample for the first time. (See Figure A1).

Figure A1. Sampling Operation for 1982 RECS



Procedures for updating the sample for new construction and for other changes in the housing unit stock were incorporated in sampling operations so that each rotation group, as well as the total RECS sample, is a probability sample of the population covered by the survey.

Rotation Groups A1 and A2. The general plan for the sample clusters (757 of the total of 1,515) was to interview the same housing units that had been contacted 2 years earlier, including housing units that had been vacant as well as noninterviews (refusals, not-at-home, etc.) and completed units.

Prior to contacting households for RECS 1982 interviews, interviewers made visits to sample segments to check 1980 housing unit listings for missed units and to update listings for new construction, demolition, and conversion of structures from one use to another. Newly constructed or converted units, and those missed in the 1980 listings, were sampled at the RECS 1982 sampling rate.

Rotation Groups B1 and B2. The first step in these rotation groups (758 of the total of 1,515 clusters) was a new construction update procedure based on a canvass, primarily by telephone, of local sources of information (building permit issuing agencies, zoning boards, tax offices, etc.). The objective was to determine whether significant new construction--defined as groups of 25 or more housing units--had occurred in the 1980-1982 period, within the Census Tracts and Enumeration Districts that were included in the RECS sample.

In the canvass, significant new construction was found in Census Tracts and Enumeration Districts in 123 of the 758 clusters in these rotation groups. New field counts were made and new segments were selected based on the new measures of size.

In Census Tracts and Enumeration Districts in which significant new construction (clusters of 25 or more new housing units) was not found, procedures diverged in rotation groups B1 and B2.

In rotation group B1, 1980 RECS housing unit listings were checked and updated (for missed units, new construction, etc.) prior to the start of field contacts for interviews. This step in rotation group B1 was identical to the listing checks carried out for rotation groups A1 and A2. However, housing units for the 1982 RECS sample were selected from among those not selected in the earlier RECS.

In rotation group B2, a new segment was selected for the 1982 RECS.

Survey Estimates

Survey estimates were developed to project sample results to the universe. The universe includes all households in the 50 States and the District of Columbia. Households on military installations are included. The definition of household is the same as that used by the U.S. Bureau of the Census. At the time of the survey, November 1982, the universe was estimated to contain 83,788,000 households, based on Current Population Survey (CPS) estimates of the population.

Weights were calculated for each sample household. The household weight reflected the probability of selection for that household and additional adjustments to correct for potential biases arising from the failure to contact all sample housing units and the failure to list all housing units in the sample area. Contacts were not successful with 10.4 percent of the eligible units.

Appendix A (Continued)

The adjustment for these noninterviews was designed to spread the effects of noninterviews over the interviewed sample of households in the final cluster. The noninterview weight is equal to the number of households in the ultimate cluster (interviews plus noninterviews) divided by the number of interviews. When the weight computed in this way was greater than 2.0, however, that part of the noninterview adjustment that exceeded 2.0 was spread over the remaining ultimate clusters in the PSU.

The failure to list all housing units in the field-listing task is a common problem in surveys of this type. The result is an undercount of housing units in the sample area and, hence, an underestimate of the number of households in the universe. The undercount in RECS surveys is in the range of 7 to 9 percent. This problem is treated in two ways in the RECS. One treatment occurs during the interviewing process and the second in the estimation process. During the interviewing stage, unlisted housing units or households are discovered by querying the household where interviews are conducted to determine if other households are present in the unit. In addition, the interviewer is instructed to conduct an interview at all housing units contained in the geographical area between the interviewed household and the next listed address. This tactic reduces the number of missed households but does not completely eliminate the noncoverage problem.

The noncoverage problem is also treated by using ratio estimation to adjust selected estimates of households to official population values. Ratio adjustment took place in two stages for the 1982 RECS. The first-stage adjustment was computed from information for PSU's in NSR strata only. A separate factor was created for each of 20 cells (four regions classified by five home heating fuel categories). The implementation of this factor reduced somewhat the amount of variance due to the sampling of PSU's. The first-stage adjustment for cell "c" is given by:

$$R_{1c} = N_c/M_c$$

where N_c is the total number of households (1980 Census population) in cell c for all PSU's in RECS NSR strata, and

M_c is an estimate of N_c generated by applying RECS PSU sampling weights to 1980 Census household totals for cell c in RECS NSR sample PSU's.

The second-stage factor adjusted data from the survey after nonresponse adjustment and first-stage ratio estimation to independently derived estimates of the number of households in 12 categories shown in Table A2. The second-stage adjustment for category k was given by

$$R_{2k} = H_k/G_k$$

where H_k is an independent estimate of the total, and

G_k is the RECS estimate prior to the second-stage ratio adjustment of the total number of households in category k.

The numerator is based on a linear interpolation of values for each of the 12 cells between Current Population Survey (CPS) estimates for March 1982 and March 1983. The second-stage factor reduced both the between-PSU variance and the within-PSU variance.

An intermediate step was introduced in the 1982 RECS to adjust RECS estimates approximately to current CPS estimates for numbers of households of each of the following types:

One-person households, male householder
One-person households, female householder
All other households

The purpose of this intermediate step was to reduce possible bias in the RECS sample due to undercoverage of one-person households, particularly those with male householders. The use of this adjustment creates a discontinuity in the estimated number of one-person households compared with earlier RECS surveys. For example, the 1981 survey produced an estimate of 18.5 percent one-person households versus 23.0 percent in 1982. This change reflects primarily the effect of the ratio adjustment applied for the first time in the 1982 survey.

The procedures related to the second stage ratio estimate were carried out in three steps: the second-stage ratio estimate was performed, the intermediate adjustment for number of persons in household was carried out, and the second-stage ratio estimate was iterated to produce the final estimates approximately equal to the control totals shown in Table A2.

Table A2. Population Estimates Used as Controls in Ratio Estimates

Census Region	MSA--Central City	MSA--Outside Central City	Non-MSA	Total
Northeast	6,005,000	8,163,000	3,783,000	17,951,000
North Central ..	5,889,000	8,089,000	7,327,000	21,305,000
South	7,422,000	8,706,000	11,927,000	28,055,000
West	5,447,000	7,509,000	3,521,000	16,477,000
Total	24,763,000	32,467,000	26,558,000	83,788,000

Source: Estimates derived from March 1982 and March 1983 Current Population Surveys.

Minimizing Nonresponse

In an effort to maximize the validity of the survey data, a multiwave, multicontact approach was employed. Before the initial contacts, a letter was sent to each household from the Administrator of the EIA, briefly describing the purposes and stressing the importance of the survey. Beginning in September 1982, interviewers made up to seven or more callbacks at different times of the day throughout the week in an effort to minimize the number of uncontacted households. The interviewers also queried neighbors regarding the most opportune times to contact the prospective respondent. By the end of the first wave, 95 addresses were found to be nonresidential and an additional 513 were found to be ineligible. Some 4,037 personal interviews were completed, leaving 1,258 nonrespondents in this wave.

Appendix A (Continued)

A second wave was initiated in an effort to contact households that were not available during the first wave and to attempt to convince selected first-wave refusals to reconsider. A new set of letters preceded the renewed effort and, in most cases, the sampled housing units were assigned to a different interviewer. Again, up to seven or more attempts were made to contact the prospective respondents. At the end of this wave, an additional 22 addresses were found to be ineligible. As a result of the second wave, an additional 394 interviews were completed, leaving 842 nonrespondents.

A third wave was initiated in an effort to reach nonrespondents in a number of locations that had low completion rates. One address was found to be ineligible and an additional 44 personal interviews were completed in the third wave.

In a final attempt to reduce nonresponse, an abbreviated version of the questionnaire (adapted for self-administration) was mailed to most of the remaining nonrespondents. A $2 incentive was included in the mailing. As a result of this effort, 249 additional households responded.

After three waves of personal interview attempts and the mailed questionnaire, 548 households or 10.4 percent of all eligible housing units had not responded. These results are displayed in Table A3.

These efforts were successful in accomplishing the following:

- Approximately 85 percent of the households were contacted and agreed to be interviewed personally. An additional 4.7 percent of the sample households completed and returned mailed questionnaires.

- Of the 4,724 responses, 85.5 percent were obtained during the first wave of contacts; 8.3 percent were obtained during the second wave; and 0.9 percent resulted from third-wave contacts. Some 5.3 percent were responses to the mailed questionnaire.

- Of all households that participated in the personal interviews, 40.1 percent required only one visit and 68.7 percent were completed with no more than two callbacks.

- A total of 202 personal interviews were completed in the second and third waves with respondents who had previously refused to participate, representing 4.5 percent of all completed personal interviews. In addition, of the 249 mailed questionnaires that were completed and returned, 177 were from households that previously refused to participate.

Appendix A (Continued)

Table A3. Interviews Completed by Stage

	Personal Interviews			Status After Third Wave	Mail	Final Status
	First Wave	Second Wave	Third Wave			
Total Listed Units.....	5,903	1,258	842	5,903	797	5,903
Nonhousing Units						
Business, Other	32	0	0	32	-	32
Not Habitable	20	0	0	20	-	20
Nonhousing Unit	43	0	0	43	-	43
Subtotal	95			95		95
Housing Units	5,808	1,258	842	5,808	797	5,808
Ineligible Units						
Vacant	383	20	1	404		404
Seasonal Vacant	130	2	0	132	-	132
Subtotal	513	22	1	536		536
Eligible Units	5,295	1,236	841	5,272	797	5,272
Not Completed--Personal						
No One Home	365	168	38	101		101
Eligible Respondent Not Home	46	17	7	19	-	19
Refused	724	445	31	605	-	605
Illness	24	12	0	12	-	12
Language Barrier	7	1	0	3	-	3
Wrong Respondent or Unit	15	0	0	7	-	7
Not Contacted[b]	52	187	721	29	-	29
Other	25	12	0	21	-	21
Subtotal	1,258	842	797	797		797
Not Completed--Mail						
Unusable Address	-	-	-	-	22	22
Post Master Return ..	-	-	-	-	41	41
Returned Blank	-	-	-	-	109	109
Returned Unusable ...	-	-	-	-	15	15
Not Returned	-	-	-	-	289	289
Other Not Mailed	-	-	-	-	72	72
Subtotal					548	548
Total Interviews Completed	4,037	394	44	4,475	249	4,724

[a]A household that refused an interview during any one of the three waves was classified as a "refusal" for the final status even though no one was at home in the second or third wave.
[b]Includes households that moved after initial contact.
"-" = Data not applicable.
Source: Energy Information Administration, 1982 Residential Energy Consumption Survey.

Appendix A (Continued)

Response Rates and Household Characteristics

This section of the report will compare various response and nonresponse rates across Census region, location type, and structure type. These rates are reported in Table A4.

Several patterns are clear from Table A4. First, personal interviews enjoyed the most success in the South (86.5 percent), in non-MSA areas (89.7 percent), and among residents of mobile homes (87.4 percent). Conversely, the interviewers had their lowest success rates in the Northeast (81.7 percent), MSA central cities (80.8 percent), and in buildings with five or more residential units (76.7 percent). It is important to keep in mind when looking at the categories that make up these groupings that there is no guarantee that the characteristics are independent. Rather, it is highly likely that they overlap, that is to say, the Northeast has a high concentration of central cities and large apartment buildings.

The total response-rate patterns with regard to highest and lowest rates are generally not affected by the addition of the responses to the mailed questionnaire; however, the overall range from highest to lowest decreases by several percentage points. The highest refusal rates correspond to the lowest success rates for the personal interviews. The lowest refusal-rate categories match the highest personal interview success groups. Overall response rates are approximately two percentage points higher for new rotation groups (households not contacted for an earlier RECS) than for returning rotation groups.

Appendix A (Continued)

Table A4. Response Rates by Region, Location, Type of Structure, and Rotation Groups (Percentage of Eligible Housing Units)

Characteristic	Response Rates: Personal Interview	Response Rates: Mail Questionnaire	Response Rates: Total Response	Personal Interview Nonresponse Rates: Refuse	Personal Interview Nonresponse Rates: Unable to Contact
Total	84.9	4.7	89.6	11.4	3.6
Census Region					
Northeast	81.7	5.2	86.9	13.1	5.2
North Central	84.4	5.4	89.9	12.5	3.0
South	86.5	3.2	89.7	9.7	3.8
West	85.9	5.4	91.3	11.2	2.9
Location Type					
MSA--Central City	80.8	6.1	86.8	13.6	5.6
MSA--Outside Central City	85.0	4.6	89.6	12.5	2.5
Non-MSA	89.7	3.2	93.0	7.5	2.8
Structure Type					
Single-Family House	86.2	4.4	90.6	11.6	2.3
Mobile Home	87.4	2.0	89.5	8.9	3.6
Buildings with Two to Four Units	85.0	4.2	89.2	10.2	4.8
Buildings with Five or More Units	76.7	7.9	84.5	13.0	10.3
Rotation Group					
Returning Rotation Group	83.9	4.8	88.7	12.7	3.4
New Rotation Group	85.9	4.6	90.5	10.3	3.9

Source: Energy Information Administration, 1982 Residential Energy Consumption Survey.

Adjustments for Item Nonresponse

Item nonresponse occurs when respondents do not know the answer or refuse to answer a question or when an interviewer does not ask a question or does not record an answer. Imputations were made for nonresponse to most items that were to be used for making national estimates and items that had less than 10-percent nonresponse. Items for which national estimates are made but for which imputations were not made include questions on the presence, type, and amount of attic and floor insulation; the presence of wall insulation. For these items, the number of missing cases was considered large enough that the imputations would have introduced too much additional error.

The most frequently used imputation procedure was hot-deck. This procedure requires sorting the file of households by variables related to the missing item. A household is then selected that has the same value of the related variables, and this "donor" household supplies the value for the variable that is missing in the "donee" household.

Appendix A (Continued)

Less frequently used imputation methods included random selection from the distribution of the known values of a variable, regression estimates and use of modal values. Regression procedures were used to impute the total square footage of the housing unit when actual measurements were missing. The random selection procedure was used only to assign dates (month and/or year) when those responses were missing. Discussion of the regression procedure and other imputations involved in the square footage estimates is found in Appendix B. A few variables were imputed by assigning modal values; this was done when the distribution of available data showed a highly skewed distribution.

The RECS personal interview questionnaire contained 443 items of information. These items were treated as follows with respect to imputations.

Imputation Method	Number
Not Imputed	155
Imputed	288
Hot-deck	229
Random	39
Modal	20
Total	443

Table A5 shows the most frequently imputed items, the number of cases requiring imputation, and the method used.

The 249 mailed questionnaires had considerable missing data since the mailed questionnaire was a small subset of questions from the household interview. For the mailed questionnaire, a modified hot-deck imputation method was used. A hot-deck matrix was created for both mailed-questionnaire and personal-interview households using Census region, type of housing unit structure, space heating fuel, hot water fuel, and presence and fuel of air conditioning. For each mailed questionnaire household, a donor personal interview household was chosen from the same cell of the hot-deck matrix whenever possible. For 95 percent of the mailed questionnaires, donors matched on all hot-deck variables.

Since each cell of the matrix usually contained several possible donors, a donor was chosen from the cell based on how closely it matched the mailed questionnaire household on a number of additional variables. These variables were: income, number of household members, number of household vehicles, age of householder, tenure, number of rooms, model year of newest vehicle, and household structure (married couple, other). Except for information on household vehicles, which was taken directly from the mailed questionnaire, the entire set of responses from the donor household was imputed to the mailed questionnaire households. This means that all responses for mailed questionnaire households are imputed except weather data, fuel consumption data acquired from the household's fuel suppliers, the geographic location of the mailed questionnaire household, information on household vehicles, and those items in the hot-deck imputation process for which an exact match was obtained.

Appendix A (Continued)

Table A5. 1982 Residential Energy Consumption Survey Items Most Frequently Imputed

Item	Cases Imputed	Percentage of Total Sample[a] (4,724)	Method of Imputing
1981 Family Income	604	13	Hot-deck
Year House Was Built	318	7	Hot-deck
Availability of Natural Gas	305	7	Hot-deck
Householder Completed Highest Grade	262	6	Hot-deck
Square Footage of Housing Unit	192	4	(b)
Most-Used Oven Is Microwave	145	3	Hot-deck
Condominium or Cooperative	138	3	Hot-deck
Warm Air Forced Through Ducts	116	3	Hot-deck
Basement or Crawl Space Heated	100	2	Hot-deck
Central Water-Heating System for the Building	95	2	Hot-deck
Central Heating System for The Building	77	2	Hot-deck
Number of Window or Ceiling Fans	71	2	Hot-deck
Monthly Rent of Dwelling	65	1	Hot-deck
Heating Stove is Air Tight	61	1	Hot-deck
Other Reason No Heat Last Winter	60	1	Hot-deck
Heating System Broken Last Winter	59	1	Hot-deck
No Fuel Available Last Winter	59	1	Hot-deck
Age of Householder	57	1	Hot-deck
No Heat from Landlord Last Winter	57	1	Hot-deck
Unable to Pay for Fuel Last Winter	55	1	Hot-deck
Age of Second Household Member	55	1	Hot-deck
Thermostat Present to Adjust Temperature	49	1	Hot-deck
Fuel of Most-Used Refrigerator	49	1	Modal
Type of Foundation Under Home	48	1	Hot-deck
Government Provided Other Energy Devices	47	1	Hot-deck
Second Oven Is Microwave	47	1	Hot-deck
Month Caulking Added	45	1	Random
Fuel of Most-Used Freezer	42	1	Modal

[a]Mailed questionnaires are not included in the percentage. To account for these, add 5 percentage points to the percentage list.

[b]See Appendix B for details on the square footage imputations.

Source: Energy Information Administration, 1982 Residential Energy Consumption Survey.

Appendix A (Continued)

Rental Agent Survey

Telephone interviews were carried out with rental agents and landlords of RECS households living in multiunit dwellings who did not pay directly to utility companies or fuel suppliers for one or more household fuels. The primary purpose of the rental agent survey was to verify information from household respondents on fuels used and main heating equipment.

The telephone interviews with rental agents or their deputies were conducted in September 1983.

Altogether, 168 rental agents were interviewed. These interviews covered 308 households in 206 buildings. The 308 households were 57.0 percent of the total of 540 households living in multiunit buildings who had one or more fuels included in their rent.

Editing Completed Questionnaires

Interviewers mailed completed questionnaires to the contractor, where they were carefully reviewed. The first step in the review process was to verify the accuracy of the basic identifying information. Next, the questionnaires were manually reviewed by two editors to ensure completeness and the logical consistency of selected patterns of responses and to prepare the questionnaires for translation into machine-readable form. Keypunching of important items was fully verified. Overall, 25 percent of the keypunching work was fully verified. Finally, the data were machine edited to further ensure completeness, logical consistency, and the legitimacy of coded values. The computer editing utilized a proprietary software package called EDITOR II.

The contractor attempted to resolve inconsistencies or ambiguities in the data internally, by reference to other parts of the questionnaire. When these efforts failed to resolve an important problem, particularly those involving heating fuels or heating equipment and/or relationships between questionnaire responses and data on fuel consumption, the contractor made telephone contact with a member of the household in question. Telephone contacts of this type were completed with approximately 10 percent of households during the course of data editing for this survey.

Comparisons were made between rental agent and household respondent reports on main heating fuel, main heating equipment, supplemental heating fuel, water-heating fuel, and air-conditioning fuel. Each discrepancy was individually examined. Changes were made in the household record whenever it was judged that the rental agent was more knowledgeable than the household respondent on specific fuels and/or equipment.

Editors followed the guideline that the rental agent was the more knowledgeable person when the landlord paid for the fuel and the fuel was used as the main home heating, water-heating, or air-conditioning fuel. The rental agent's view generally prevailed also in the case in which the rental agent paid for the main heating fuel and the rental agent's description of the main heating equipment differed from that of the household respondent.

Since a supplemental heating fuel was more likely to be under the household's control, even in a multiunit dwelling, the respondent's definition of supplemental heating fuel was generally accepted.

The changes in the household records that resulted from these inquiries are given in Table A6.

Table A6. Changes Made in Household Records Based on Information from Rental Agents

Type of Changes Made in Household Records	Fuel Paid by Rental Agent	Number with Any Changes Made	Percentage with Changes Made
All Households in Rental Agent Survey	308	80	26
Main Heating Fuel	255	31	12
Main Heating Equipment	(a)	40	16
Supplementary Heating Fuel	(a)	5	2
Water-Heating Fuel	272	36	13
Air-Conditioning Fuel	44	2	5

[a]Responses of rental agents and household respondents were compared for the 255 households for which the rental agent paid for the main heating fuel.

Source: Energy Information Administration, 1982 Residential Energy Consumption Survey.

Fuel Supplier Survey

The overall objective of the fuel supplier survey was to provide data on which to estimate the annual fuel consumption and expenditures of sample households. Four utility fuels were covered in the annualization--electricity, natural gas, fuel oil, and LPG.[3] For each of the fuels, the goal was to obtain complete consumption records for the year April 1, 1982, through March 31, 1983.

Toward the end of the household interview, each household reported for each use of the fuel whether or not the fuel was paid for by the household, included in rent, or paid another way. For those households that paid directly, the respondent was asked for the names, addresses, and telephone numbers of the fuel companies supplying the household; these respondents were also asked to sign a waiver, authorizing Response Analysis to collect consumption data from the suppliers.

Altogether, the fuel supplier survey included initial contact attempts with 1,003 companies. The number of companies in the survey supplying each fuel and the total number of households supplied are shown in Table A7.

[3]Households using LPG only for outdoor cooking grills were not included in the LPG data collection; LPG used by these households is excluded from consumption and expenditures estimates. Data on usage of wood fuel were reported by the household, since it was not practical to collect these data from suppliers as is done with the major home fuels. Unless otherwise noted, consumption of wood is not included in the tables for this report.

Table A7. Companies in Fuel Supplier Survey and Number of Households Supplied

Fuel Supplier	Number of Companies[a]	Number of Survey Households Supplied[b]
Electricity	275	4,055
Natural Gas	147	2,264
Fuel Oil or Kerosene	443	576
LPG	199	355

[a]The total number of companies in the survey was 1,003. These included 43 that supplied both electricity and natural gas; 2 that supplied natural gas and LPG; and 16 that supplied fuel oil and LPG.
[b]These figures represent the number of households that signed an authorization form and that paid directly to the utility company for all uses of the fuel. The fuel oil/kerosene figure excludes 21 households whose suppliers were unknown and 65 households who provided estimates of quantities of kerosene, based primarily on cash-and-carry purchases. The LPG figure excludes 6 households whose suppliers were unknown.
Source: Energy Information Administration, 1982 Residential Energy Consumption Survey.

Data Collection Procedures

Data collection procedures for electricity and natural gas companies included at least the following steps:

- an initial letter from the Administrator of the Energy Information Administration, addressed to the president or other official in the company outlining the general nature of the request for participation. This letter also announced that a telephone contact would be made to determine the name of the person to whose attention the survey materials should be sent. Enclosures in the letter included a printed statement "About the Residential Energy Consumption Survey," specimen copies of reporting and authorization forms, and a postage-paid postcard with a checklist of available publications and data tapes;
- the telephone contact referred to in the initial letter;
- the mailing of survey materials to the person named as contact person;
- a follow-up telephone contact a few days later to answer questions or discuss survey procedures as necessary;
- completed forms or copies of records returned by mail; and
- a letter from the EIA thanking the company for its effort.

The personal contacts established at an early point largely precluded mailings of materials to an inappropriate person and the delays that might develop from such mailings.

Procedures for fuel oil or kerosene and LPG dealers were the same as for electric and natural gas companies up through and including the mailing of survey materials to the company person named as the contact. These companies, however, most often had only one or two households for which information was to be supplied, and data collection was generally completed by telephone. An earlier pretest of the procedure had indicated a somewhat greater likelihood that companies would respond by telephone than as a result of a request to complete and return the forms by mail.[4] Companies that chose to return the forms by mail, however, were not discouraged from doing so. After the company returned the information, additional contact with companies and households was sometimes required to identify the correct record in the company files.

Energy Consumption Records

Energy Consumption Records

The fuel supplier survey was conducted for households that paid their own fuel bills directly to the supplier and authorized access to their records. These limitations meant that imputations of fuel consumption were required for households without consumption records (their fuel bills were included in the rent) and for households that did not permit access to their records.

Households lacking consumption records because they do not pay fuel bills directly to fuel suppliers occur most frequently among users of natural gas and fuel oil or kerosene (see Table A8). These households are 17.7 percent of users of natural gas and 18.0 percent of users of fuel oil or kerosene.

The proportion of households that did not sign authorization forms (access to records denied) was in the range of 5 to 7 percent for the four fuels. Most households that signed authorization forms did so at the time of the personal interview or at the time of completing the mailed questionnaire. To maximize the number of households with records, however, a follow-up request was mailed to those who did not sign a form at the time of the personal interview. About 18 percent of this group returned signed forms in response to the mail request and therefore were included in the fuel supplier survey.

[4] The test is described in Residential Energy Consumption Survey: Consumption and Expenditures--April 1980 Through March 1981, Part 1: National Data, DOE/EIA-0321/1 (Washington, D.C., September 1982, Appendix A, 103).

Appendix A (Continued)

Table A8. Energy Consumption Records and Missing Data for Survey Households Using Electricity, Natural Gas, Fuel Oil or Kerosene, or LPG (Percentage of Households Using the Fuel)

Survey Households	Electricity	Natural Gas	Fuel Oil or Kerosene	LPG
Total Households Using the Fuel	100.0	100.0	100.0	100.0
(Sample Number)	(4,721)	(2,951)	(863)	(413)
Usable Records Received from Fuel Supplier[a]	83.4	74.3	48.3	67.3
Quantity Estimated by Household[b]	*	*	7.5	*
Unusable Records Received from Fuel Supplier	1.2	0.9	6.2	8.5
Household Pays Directly to Supplier--No Record Available for the Household	7.8	7.1	20.0	18.2
Household Not Identified in Company Records	1.3	1.5	11.5	9.7
Company Refused to Participate	*	*	0.8	0.5
Company Unknown or Not Located	*	*	2.4	1.5
Authorization Form Not Signed	6.5	5.6	5.3	6.5
Fuel Used Included in Rent or Paid in Other Way[c]	7.6	17.7	18.0	6.0

[a]Data were unusable for electricity and natural gas if the records covered less than 5 months and for fuel oil or kerosene and LPG if the record covered less than 1 year.

[b]Households in this group are those using kerosene as a supplemental heating fuel and purchasing kerosene primarily on a cash-and-carry basis. Estimated purchases of kerosene were supplied by telephone by these households after the end of the 1982-1983 heating season.

[c]Includes households with mixed payment methods: one or more uses of a specified fuel paid directly to a supplier, and other uses included in rent or paid in other way.

"*" represents or rounds to zero.

Source: Energy Information Administration, 1982 Residential Energy Consumption Survey.

Table A8 shows that factors affecting nonresponse are somewhat different for fuel oil or kerosene and LPG than they are for electricity and natural gas. For example, the most frequent reason for nonresponse from fuel oil or kerosene and LPG dealers was their inability to identify survey households in their company records. Some dealers provide these fuels to households on a cash-and-carry basis and simply do not keep records of individual purchases. A second reason related to fuel oil or kerosene and LPG was the inability to locate the fuel oil or kerosene or LPG dealer. Some companies were no longer in business; others could not be contacted during the survey period even after repeated attempts over a period of several months; and some cash-and-carry customers could not identify their suppliers.

Refusal of companies to participate in the survey was not a significant factor.

Some additional factors related to the usability of fuel records are discussed in the section on imputations and adjustments for missing data.

Data Collection Dates

The first set of advance letters was mailed to utility companies during the first two weeks of April 1983. The cut-off date for receipt of usable information was August 31, 1983.

Fuel Consumption Imputations

Not all the fuel records that were collected in the fuel suppliers' survey could be used. For example, some covered too few months of usage and for others it was uncertain how the records were incomplete. The extent of these unusable records is shown in Table A8. The problem of unusable records is small for the metered fuels. For electricity and natural gas, 1 percent of the records covered fewer than 146 days and therefore were considered unusable. For fuel oil, kerosene, and LPG, however, the problem of unusable records is more serious inasmuch as 6 percent of fuel oil or kerosene records and 9 percent of LPG records were unusable. One reason for this is that partial year records of electricity and natural gas usage are considered usable, whereas a partial year record for the storage fuels (fuel oil, kerosene, LPG) is not used.[5]

A variety of information from household respondents as well as from uppliers is reviewed and used as a basis for declaring a fuel oil, kerosene, or LPG record complete or incomplete. Questionnaire information from respondents includes number of suppliers and an estimate of the annual number of deliveries. Suppliers provided dates of onset and termination of service to the household. In addition, follow-up contacts were made by telephone to some households to obtain estimates of cash-and-carry purchases of kerosene directly from household respondents.

Households with unusable records, as described earlier, and households with no records had their fuel consumption imputed using regression modeling techniques. The regression consumption models were developed using RECS sample households for which approximately a full year of data was available and acceptable. Separate regression models were developed for the four fuels: electricity, natural gas, fuel oil or kerosene, and LPG.

The strategy for modeling consumption was not the same for all fuels. There were five models of electricity consumption--one for each of the major types of housing structure. For utility gas, all structure types were modeled simultaneously with an allowance for differentiation of structure types within the model by inclusion of dummy variables (for each type of structure). For each of fuel oil/kerosene and LPG, there were three consumption models: for single-family detached homes, for mobile homes, and for all other structure types combined. The regression models make full use of the data including such variables as measured square footage of the housing unit, uses of fuels, heating and cooling degree-days, household size, and appliances.

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[5]The number of households with partial year records, as a proportion of total households using the fuel, is 7.4 percent for electricity and 5.9 percent for natural gas.

Appendix A (Continued)

For households using kerosene as a supplemental heating fuel, where the main heating fuel was neither fuel oil nor kerosene, and where full year data were not available from the supplier, respondent estimates furnished through a followup telephone survey were used as kerosene consumption quantity. These cases include primarily cash-and-carry kerosene customers. If followup respondent estimates were not available, regression estimates were calculated in the usual way and then adjusted in such a way that overall average imputations matched the average followup respondent estimates. Some electricity and utility gas models also contain a price variable calculated from the survey data. Some electricity models also include an income variable. The fuel oil and LPG models contain a variable on fuel wood burned. Fuel expenditures were imputed by applying a cost factor to the imputed consumption. The cost factor for electricity and utility gas was derived from the fuel consumption records of households in the same neighborhood or geographic area as the household for which data were missing; the cost factor for fuel oil and LPG was based on regression fits for cost versus quantity for all fuel users.

The consumption data were standardized to a 365-day period. For fuel oil, kerosene, and LPG, no adjustment was necessary since the annual consumption data were the accumulation of all delivery records between April 1, 1982, and March 31, 1983. For electricity and natural gas, an adjustment was made for those records covering 330 days or more. For those covering fewer than 330 days and those cases requiring regression imputations, the imputed quantity was for a 365-day period.
For a small proportion of households, 12-month fuel consumption quantities were scaled down in accordance with respondent-supplied information as to the proportion of the fuel used for nonhousehold purposes such as for drying grain or operating a commercial welding shop. This adjustment was made to the consumption and expenditures for 3 percent of the households using electricity, 3 percent using LPG, 1 percent using natural gas, and 1 percent using fuel oil or kerosene.

A final adjustment was made to all imputed fuel quantities. To maintain the variance structure of the unimputed fuel consumption data, rather than impute a single value for all households that may be equivalent on the independent variables in the regression model, an error term was added to the predicted fuel consumption. This allowed estimates for sampling error to be calculated without separating imputed from unimputed data.

Table A9 shows the availability of consumption records by the type of housing structure. Usable records were most often obtained for single-family units, more often for electricity (90.8 percent of the units) and natural gas (90.2 percent) than for fuel oil or kerosene (70.2 percent) or LPG (71.9 percent). The problems inherent in collecting data for the storage fuels were described earlier: multiple suppliers, "cash-and-carry" customers, purchase data being supplied instead of usage data, and economic instability of the supplying companies.

The consumption and expenditures data for large apartment buildings, especially the natural gas and fuel oil, are mostly imputed data. Usable records were obtained for only 19.7 percent of the apartments in large buildings that used natural gas and for only 3.3 percent of those using fuel oil or kerosene. Liquefied petroleum gas is infrequently used in large apartment buildings. Electricity data for these apartments were obtained in 57.4 percent of the cases.

Table A9. Energy Consumption Records and Missing Data for Survey Households, by Fuels Used, and by Type of Housing Structure (Percent)

Type of Fuel Used	Total Households Using the Fuel	Mobile Home	Single-Family	Two to Four Units	Five or More Units
Electricity	100.0	100.0	100.0	100.0	100.0
(Sample Number)	(4,721)	(221)	(3,357)	(552)	(591)
Usable Record	83.4	79.7	90.8	67.9	57.4
Unusable Record[a]	1.2	2.7	0.5	3.1	2.5
Records Not Available	7.8	10.4	7.1	9.1	9.6
Fuel Used Is Included in Rent or Paid in Other Ways[b]	7.6	7.2	1.6	19.9	30.5
Natural Gas	100.0	100.0	100.0	100.0	100.0
(Sample Number)	(2,951)	(74)	(2,054)	(427)	(396)
Usable Record	74.3	75.6	90.2	48.2	19.7
Unusable Record[a]	0.9	1.4	0.7	1.9	1.0
Records Not Available	7.1	8.1	7.4	5.4	6.8
Fuel Used Is Included in Rent or Paid in Other Ways[b]	17.7	14.9	1.7	44.5	72.5
Fuel Oil or Kerosene	100.0	100.0	100.0	100.0	100.0
(Sample Number)	(863)	(45)	(45)	(112)	(91)
Usable Record	55.8	46.7	70.2	23.2	3.3
Unusable Record[a]	6.2	4.4	7.0	7.1	*
Records Not Available	20.0	48.9	22.0	13.4	1.1
Fuel Used Is Included in Rent or Paid in Other Ways[b]	18.0	*	0.8	56.3	95.6
LPG	100.0	100.0	100.0	100.0	100.0
(Sample Number)	(413)	(81)	(316)	(15)	(1)
Usable Record	67.3	55.6	71.9	(6)	*
Unusable Record[a]	8.5	7.4	8.5	(2)	*
Records Not Available	18.2	28.4	16.1	(1)	*
Fuel Used Is Included in Rent or Paid in Other Ways[b]	6.0	8.6	3.5	(6)	(1)

[a]Data were unusable for electricity and natural gas if the records covered fewer than 5 months and for fuel oil, kerosene, and LPG if the record covered less than 1 year.

[b]Includes households with mixed payment methods: one or more uses of a specified fuel paid directly to a supplier, and other uses included in rent or paid in another way.

"*" represents or rounds to zero.

Source: Energy Information Administration, 1982 Residential Energy Consumption Survey.

The reason consumption and expenditures data are so often imputed for multiunit structures is that energy use is not directly metered for individual apartments. A master meter registers the usage for a number of units in the building. Under these circumstances, there is no way of measuring the consumption of individual apartments, and imputations based on metered units may be biased since the imputations assume similar energy use for metered and nonmetered apartments.

Other segments of the data for which the lack of usable records may lead to an imputation bias include natural gas and fuel oil or kerosene for apartments in smaller buildings (two to four units per building) and fuel oil or kerosene and LPG used in mobile homes. Usable records in these segments were obtained for between 23.2 percent and 55.6 percent of the households.

Supplemental Data Collection

Portions of the 1982 RECS data set and analyses are based on three supplemental data collections carried out mainly by telephone between mid 1983 and early 1984. The primary purposes of two of these followup activities were to obtain estimates of use of wood and kerosene as home heating fuels during the 1982-1983 heating season. The third supplemental activity was designed primarily to collect additional information of interest to the Social Security Administration on government assistance to low-income households during the 1982-1983 heating season and assistance to pay cooling costs for the 12-month period ending in September 1983.

Followup Survey on Fuelwood Consumption

The survey of fuelwood consumption during the 1982-1983 heating season was carried out for a sample of households who had reported using wood as a main or supplemental home heating fuel in the 1982 RECS household interview.

The RECS household survey included a series of questions on use of fuelwood. In the main RECS survey, however, estimates of quantity of wood used by the household referred to the 12 months preceding the interview in the fall of 1982. The primary purpose of the supplemental fuelwood data collection was to obtain estimates for the 1982-1983 heating season, basically matching the time period for consumption information obtained directly from utility companies and fuel dealers for other fuels. An additional feature of the supplemental data collection was an advance mailing to households of rough sketches of various quantities of fuel to assist household members in estimating quantities of wood used during the period of interest.

Followup contacts were attempted in May 1983 with a systematic random sample of households with whom personal interviews were completed in the 1982 RECS. The sample included approximately three-fourths of households (261 of 354) who had reported using wood as their main home heating fuel and approximately three-eighths (382 of 997) households who had reported using wood as a supplemental home heating fuel. Contacts were primarily by telephone. Households without telephones were asked to respond to a brief mailed questionnaire. Contacts were completed and estimates of fuelwood consumption during the 1982-1983 heating season were obtained from 514 of the 643 households in the sample for the followup activity (a response rate of 79.9 percent). The remainder of the households had moved prior to the supplemental data collection, could not be contacted, or could not provide estimates of fuelwood consumption for the period of interest.

The overall relationship of fuelwood consumption estimates in the followup survey, to those in the original RECS data collection for the period 12 months earlier, closely paralleled the ratio of heating degree days in 1982-1983 to heating degree days in 1981-1982. This ratio was used to derive estimates for households not included in or not responding to the followup survey.

Followup Survey on Kerosene Consumption

A very large majority of households using kerosene as a supplemental home heating fuel made cash-and-carry purchases of kerosene in small quantities, usually less than 10 gallons at a time. Records of such purchases are generally not maintained by fuel suppliers. Thus, the normal procedure of obtaining delivery or sales records from fuel suppliers can be followed only for a small fraction of these households. In earlier RECS, kerosene consumption estimates were imputed for almost all households using kerosene as a supplemental heating fuel.

Use of kerosene as a supplemental home heating fuel increased dramatically in the period from 1980 to 1982. Followup telephone calls were made to households in the 1982 RECS sample to obtain estimates of kerosene used during the 1982-1983 heating season directly from a knowledgeable person in the household.

Followup contacts were attempted in September 1983 for 96 households. This group included all households in the 1982 RECS who reported that they purchased kerosene as a supplemental home heating fuel and for which records were not obtained from fuel suppliers. Of these 96 households, 65 (67.7 percent) were reached by telephone and were able to provide estimates of the amount of kerosene purchased during the 1982-1983 heating season. The remaining 31 households either could not be reached by telephone or could not provide an estimate of the amount of kerosene used.

If followup respondent estimates were not obtained, regression estimates were calculated and then adjusted in such a way that overall average imputations matched the average estimate of followup respondents.

Followup Data Collection for Social Security Administration

This supplemental data collection was carried out entirely by telephone in January 1984. Telephone contacts for this purpose were combined when possible with a portion of the data collection for the 1983 Transportation Study.

The population of interest for this supplemental data collection was defined as all households in the 1982 RECS who had reported annual family income of under $30,000 for 1981. Of the total of 3,548 households included in this group, followup interviews were completed with 2,461, or 69.4 percent. Nonrespondents include those who could not be reached by telephone for this special purpose as well as households who had refused to participate in earlier Transportation Study contacts.

Bias in Estimates of Fuel Usage in Apartments

Concern with the large amount of imputed fuel data for apartment units led to a special effort in 1981 to obtain consumption records for apartment buildings. This effort used the permission of the apartment building's agent to obtain actual fuel records for the building. These records were used to estimate fuel consumption for each apartment in the building, including the sample units that were the main concern of the collection effort. The building's fuel use was allocated to individual apartments proportionate to the number of units, and rooms per

Appendix A (Continued)

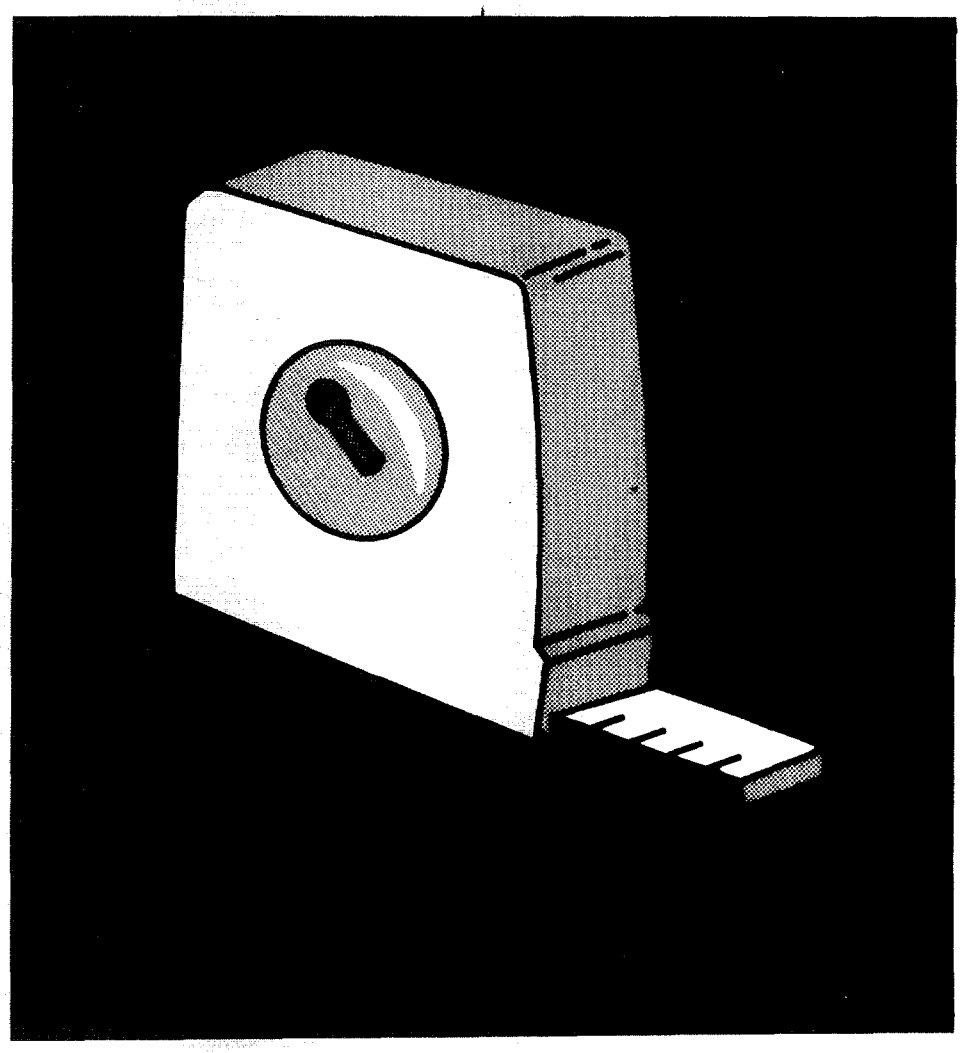
unit, in the building. A comparison of these estimates, derived from actual records, with the imputed values assigned by the regression modeling indicates the following bias in some imputed values:

Households Using	Imputed Values Are	Corrective Multipliers Are
Electricity with air conditioning	Too low by 50 percent	1.84
Electricity without air conditioning	Too high by 10 percent	None
Natural gas for space heating	About right	None
Natural gas, but not for space heating	Too low by 50 percent	2.04

The number of records for fuel oil and LPG were insufficient for making estimates of the bias in their imputed values. The imputations for fuel use in apartments were corrected to counteract the imputation bias. The corrective multipliers are given in the preceding tabulation.

Appendix B

Estimates of the Size of U.S. Housing Units in Square Feet



Appendix B

Introduction

Interviewers for the 1982 Residential Energy Consumption Survey were given 50-foot tape measures to measure the dimensions of housing units. The instructions were to measure the "area enclosed from the weather." This included garages attached to the house, attics either heated or finished, and basements enclosed from the weather (see Square Feet in Glossary for further definition). Interviewers also recorded the dimensions of areas that were heated and unheated. This further breakdown into heated and unheated areas provides a closer approximation to the area of the housing unit that places the demand on the heating system and, therefore, is the figure that may prove to be more useful in analyzing residential energy consumption. All measurements were rounded to the nearest foot by the interviewer or in the editing process. Interviewers were given an option of measuring the home from the inside, taking into account the thickness of inside walls, or from the outside.

Interviewers were instructed to measure all housing units in new rotation groups B1 and B2. Housing units in the returning rotation groups A1 and A2 which did not have complete measurements taken in the 1980 RECS were also to be measured. Additionally, a subsample of 1/4 of the returning rotation groups which were completely measured in the 1980 RECS was selected to be measured again in the 1982 RECS. This subsample will serve as the basis for methodological analyses of differences between 1980 RECS and 1982 RECS measurements.

Interviewers were instructed to skip the measurement step for the remaining 3/4 of the returning rotation groups with complete measurements in the 1980 RECS, provided that the housing unit was occupied by the same family as in the 1980 RECS, and that no changes had been made in the structure or in heated square feet. For these 827 households, measurements taken during the 1980 RECS are used in the 1982 RECS data file.

Interviewers attempted to measure the size of 3,648 housing units. In 95 percent of the cases, usable measurements were acquired. In 5 percent, the measurements either were not usable or were not made. Although most cases contained the basic information, some imputations were required to produce a final set of three figures for each housing unit:

HOMEAREA = total square footage of area enclosed from the weather

HEATED = total square footage of heated area

UNHEATED = HOMEAREA - HEATED = total square footage of unheated area.

Table B1 indicates the number of cases with missing data. The imputations required standardizing all measurements to outside measurements when the measurement was made from inside the home, characterizing a measurement as inside or outside when this was unknown, apportioning the total space between heated and unheated when this proportion was unknown or partially known, and estimating the total square footage when the measurements were not made or not usable.

Appendix B (Continued)

Scaling Up Outside Measurements

As shown in Table B1, 2,277 homes had complete dimensions for the total area, the heated area, and the unheated area. The only adjustment required was to scale up the measurement for the 1,058 homes that were measured on the inside. The inside measurements were standardized to outside dimensions. The scaling value was determined for each housing unit as a quadratic function of HOMEAREA for the housing unit.

$$SCALE = .888 + 1.99E\text{-}04 \times HOMEAREA - 3.59E\text{-}08 \times (HOMEAREA)^2 \qquad (B1)$$

This formula indicates that the larger the HOMEAREA, the larger the scaling-up value. These scale values, which increased the inside measurements, ranged from 5.05 to 16.23 percent, depending on the size of HOMEAREA. For any case in which HOMEAREA was less than 1,000, SCALE was set to 1.05; for HOMEAREA greater than 2,765, SCALE was set to 1.16.

The equation was developed in the following manner: Regression prediction equations were developed independently for homes measured from the inside and homes measured from the outside. Both equations were used to generate estimates of floorspace for homes measured from the inside in the range of 1,000 to 3,000 square feet. The relationship between the ratio of predicted "outside" to "inside" floorspace and the actual inside floorspace for these homes was fitted in a quadratic equation. The predicted scale factors from the quadratic equation were then applied to cases measured from the outside to estimate "inside" floorspace. A second quadratic fit of "outside" to "inside" floorspace was executed, this time using all households measured from the outside or inside with predicted or measured inside area in the range of 1,000 to 3,000 square feet. The last two steps were repeated until the quadratic fit of "outside" to "inside" converged to a stable solution.

Appendix B (Continued)

Table B1. Completeness of Data on Square Footage of Housing Units

Amount of Information Collected	Number of Households	Percent
Complete Set of Dimensions	2,277	62
Outside measurement of home	1,219	33
Inside measurement of home	1,058	29
Partial Information		
Information available on heated and unheated areas. Unknown whether dimensions are for inside or outside of home	996	27
Total area known, but information on heated and unheated areas is missing. Also may be unknown whether dimensions are for inside or outside of home	92	3
Basement dimensions missing	63	2
Complete set of dimensions for all floors except basement. Basement total area known, but information on heated and unheated areas for basement is missing	28	1
All dimensions missing or unusable	192	5
Total	3,648	100

Note: The floor area for the 249 households responding by mail was imputed through a hot-deck procedure. The mail questionnaires are not included in this table. Also excluded from the table are 827 households for which measurements were taken from the 1980 RECS data file.
Source: Energy Information Administration, 1982 Residential Energy Consumption Survey.

Treatment of Housing Units with Some Missing

The 996 cases lacking information as to whether the measurements were inside or outside, or in which the measurements may have been a combination of inside and outside, were treated as though measurements were outside. This was because average predictions based upon regression models using homes measured outside matched average totals for this group very closely, while predictions based upon regression models using homes measured inside were seriously biased on the low side.

The 92 cases lacking information on the ratio of heated to unheated space borrowed that ratio from housing units with complete data, on a PSU by PSU basis. For most of these cases, information was also lacking as to whether the measurements were inside or outside, and measurements were again assumed to be outside.

For the 63 cases with missing basement dimensions, the basement area was imputed by using a simple regression based on the area of the first floor. The heated and unheated areas were determined or imputed and then added to known totals for the remaining floors. The total area was then scaled up to outside dimensions, if necessary.

There were 28 cases in which the ratio of heated to unheated space for the basement was unknown. This ratio was imputed by using an appropriate empirical distribution of heated to unheated ratios. Two such distributions were used: one for homes with basements only, and one for homes with a basement plus crawl space and/or slab.

Regression Model

A regression equation was used for the 192 cases with no usable data. After HOMEAREA had been imputed by using the regression model, the ratio of heated to unheated space was imputed using the same procedures described above for housing units for which that ratio was missing.

All estimates were than scaled up. This was necessary since the regression equations estimated inside dimensions. The prediction equations for outside dimensions were not used in the imputations because regression models based on cases with inside measurements yielded substantially better fits.

Appendix C

Limitations of the Data

$$RSE(X/Y) = \sqrt{RSE^2(X) + RSE^2(Y)}$$

Appendix C

Introduction

Data from the 1982 Residential Energy Consumption Survey (RECS) are subject to many sources of sampling error, nonsampling error, and bias. Sampling error is a measure of the variability in the data because a sample of households was surveyed rather than the entire population. Because the survey used probability sampling techniques, sampling errors of the survey estimates can be estimated and used as a guide in making inferences from the sample estimates to the total population.

Nonsampling error and bias are measures of variability due to the conduct of the survey. They can include population undercoverage during sampling, response bias and variance, interviewer error, coding and/or keypunching error, and nonresponse bias. The wording and format of survey questionnaires, the procedures used to select and train interviewers, and the quality control built into the data collection, receipt, and processing operations were all designed to minimize these sources of error (for discussion of these procedures, see Appendix A, "How the Survey Was Conducted"). In addition, response adjustments and ratio estimations were incorporated into the survey estimator to help reduce both sampling and nonsampling error. These procedures also are discussed in Appendix A.

Nonsampling Error

Completeness of Data

Data are not collected for the following two types of housing units:

- Vacant housing units. These units may have minimal heating for protection from the weather and lighting for security. They also may not be vacant all year long. The Annual Housing Survey (AHS) estimated that there were 5.0 million vacant, year-round housing units in 1981.

- Second homes for the owner's use. The AHS estimates there were 1.5 million homes "held for occasional use" in 1981.

These two types of units are not included primarily because of the difficulty in acquiring data and limitations in the availability of funds. The RECS data are collected by interviewing someone who knows the housing unit and who may sign an authorization form for release of fuel records from the fuel supplier. That type of person is not usually available for vacant or second homes.

In addition, the consumption and expenditures data for the household's primary residence do not include the following fuels:

- Gasoline and other fuels used in household vehicles. The RECS collects gasoline data from a subset of respondents and is reported separately.

- Wood use for heating. Consumption data on woodfuel are presented in Table 18 but are not included in other tables that combine data for the four major fuels.

- LPG used in outdoor gas grills, for camping, or for other recreational activities occurring away from the home.

- Coal, coke, corncobs, charcoal, alcohol, purchased steam, and solar energy used for household purposes.

The effect of these omissions is to underestimate the amount of energy consumed in the residential sector.

Upward adjustments were not made to account for these omissions. The effect of these omissions on average consumption and expenditures per household is difficult to assess and will require further methodological research. The most serious omission because of its size is for wood fuel consumption. The size of the underestimation for the omission of wood can be estimated from data collected in the survey and is estimated to equal 10 million Btu for 1982, about the same level as for 1980 and 1981. If added to the average household energy use, the average would increase from 103 million to 113 million Btu. This estimate of wood fuel use is subject to the errors affecting data on wood fuel consumption (see Wood Burned in the Glossary).

One source of overcounting arises because some household bills contain nonhousehold uses such as for operating a welding shop or drying grain. Double counting could also occur when an owner's billing record also contains consumption for a rental unit. The RECS respondents estimated the amount of this nonhousehold use that is included on their bill. Using these estimates, downward adjustments were made for individual households to subtract their nonhousehold uses from their consumption and expenditures data.

The reader should also be aware that the data for fuel oil, kerosene, and LPG are for fuel delivered to the household between April 1, 1982, and March 31, 1983, not for fuel consumed. For this reason and because attempts to acquire actual fuel bills for these fuels are more often unsuccessful, these data should be viewed as less reliable than the electricity and natural gas data. Readers should also be aware that natural gas and fuel oil data for apartment buildings of five or more units are based largely on imputed estimates and, therefore, may contain an unknown amount of error from the imputation procedures.

Quality of Specific Data Items

Heating Degree-Days. The heating degree days represent a unique source of information inasmuch as the Residential Energy Consumption Survey contains weather data matched to individual households. This unique matching makes it possible to present weather data for households classified by the kinds of information collected in the RECS survey. For example, households heating with fuel oil or kerosene experienced 5,379 heating degree days (HDD) in 1982 (April 1982 through March 1983) whereas natural gas heated homes experienced 4,596 HDD.

The matching between households and weather is done by using maps to locate the NOAA division for each sample household. Once the NOAA division is identified, a simple average is computed for all weather stations within the NOAA division which report temperatures. (See NOAA Division in Glossary).

This average is assigned to all the RECS households located within the NOAA division. Temperatures can vary from one part of the division to another as, for example, between the city and nearby country side. It is yet to be determined whether assigning temperatures from the nearest weather station would provide more useful information.

This procedure produces the averages in Table C1 attributed to RECS. The NOAA data in Table C1 are derived from NOAA publications entitled

Appendix C (Continued)

State, Regional, and National Monthly and Seasonal Heating Degree-Days Weighted by Population (1980 Census)

At the national level, the RECS estimates are consistently 1 to 5 percent higher than those for NOAA. The NOAA estimates are within two standard errors of the RECS estimates, but the fact that the RECS estimates are consistently higher raises concerns about what may be causing the difference.

Beyond the sampling error of RECS estimates, the differences must be either in the population weights or in the heating degree-day numbers for the NOAA division. The average HDD for the NOAA divison is calculated in the same way--both the RECS and NOAA calculate a simple average of temperatures for reporting stations in the NOAA division. A more detailed inspection may reveal differences in methods and in data used that are not apparent in published descriptions of how this is done. For example, NOAA averages over stations that report both temperature and precipitation, whereas RECS averages are for all stations reporting temperature whether or not they report precipitation.

An initial inspection of weights shows that RECS weights are larger for the South and West and are getting larger as the population shifts from colder to warmer areas. This difference in weights, however, only exacerbates the problem, for the larger weight RECS gives to households in warmer areas would drive the RECS estimates lower, not higher.

Table C1. Comparison of Annual Heating Degree-Days Population Weighted by the National Oceanic and Atmospheric Administration (NOAA) and by the Residential Energy Consumption Survey (RECS)

	Year[a]				
	1978	1979	1980	1981	1982
United States					
NOAA	5,008	4,721	4,745	4,831	4,439
RECS	5,038	4,935	4,854	4,933	4,546
Percent Difference	+0.6	+4.5	+2.3	+2.1	+2.4
North Central					
NOAA	7,064	6,673	6,423	6,857	5,956
RECS	6,762	6,576	6,616	7,014	6,109
Percent Difference	-4.3	-1.5	+3.0	+2.3	+2.6
Northeast					
NOAA	6,244	5,952	6,307	6,307	5,636
RECS	6,175	6,265	6,404	6,416	5,739
Percent Difference	-1.1	+5.3	+1.5	+1.7	+1.8
South					
NOAA	3,037	2,986	3,112	2,920	2,793
RECS	2,967	2,982	3,292	3,093	3,032
Percent Difference	-2.3	-0.1	+5.8	+5.9	+8.6
West					
NOAA	4,218	3,647	3,485	3,695	3,865
RECS	4,728	4,368	3,448	3,715	3,805
Percent Difference	+12.1	+19.8	-1.1	+0.5	-1.6

[a]From April of year indicated through March of succeeding year.

Appendix C (Continued)

Square Feet of Floor Space. The longitudinal design of the 1982 RECS made it possible to measure a subsample of the housing units twice. This subsample contained 355 housing units; the first measurement was made in 1980 and the second one in 1982. The two measurements can be compared as a test of the reliability of the measuring procedure. Not all units in the subsample yielded measurements that are usable in the analysis of the reliability of the measuring procedure. In four of the cases, the interviewer did not go back to the original 1980 RECS housing unit. For nine additional cases, either changes had been made in the size of the housing unit, changes were in progress, or it could not be determined that no changes were made. Housing units where the measurements for the 1982 RECS are either incomplete or missing also cannot be used in the reliability analysis. Table C2 presents the results of the reliability analysis using housing units with good square footage data for both the 1980 and 1982 RECS.

Table C2. Comparison of Housing Units Measured in 1980 and 1982 by Housing Types

	Total	Single-Family Detached	Mobile Home	Multi-unit Building	Building Type Responses Differ in 1980 and 1982
Number of Cases	300	208	14	70	8
Average Square Feet Per Housing Unit					
1980	1,797	2,116	803	1,082	1,503
1982	1,821	2,142	721	1,147	1,282
Median Percent Difference in Square Footage	11.7	11.8	7.2	12.2	11.3
Average Heated Square Footage Per Housing Unit					
1980	1,536	1,780	798	966	1,469
1982	1,521	1,751	711	1,039	1,194
Median Percent Difference in Heated Square Footage	15.6	16.9	7.2	14.4	13.4

Source: Energy Information Administration, 1980 and 1982 Residential Energy Consumption Surveys.

In Table C2, the housing units are grouped into types. The units are grouped according to both the 1980 and 1982 responses. The types used are single-family detached homes, mobile homes, and units in buildings with more than one unit. Single-family attached units are in the group with multi-unit buildings. If the 1980 and 1982 designations are the same, the units are categorized by that group type. If the two designations are different, then the unit is put into a separate category.

The percent change shown in Table C2 is the absolute value of the difference as a percentage of the average of the two measurements. The median is tabled instead of the mean because a few large values for percent change will have a misleadingly large effect on the mean of the percent change.

The measuring technique was refined slightly between 1980 and 1982. The average measured square footage of all 300 cases increased only marginally, indicating that on the average the refinement had a small effect. On the other hand, the median percent difference in square footage is 11.7 percent. In addition, for 10 units in the subsample, the percent change exceeds 70 percent. This indicates that the measuring technique could be improved.

Estimates are also made for that portion of the total floor space that is heated. The variability of these measurements is greater than for the total area of the unit. This may be because any vagueness about the total area was multiplied by the added task of identifying the heated areas. In addition, some variability may reflect actual changes in heated areas. For example, the time of the interview may determine if an occasionally heated area is reported to the interviewer as being heated. Note that the median percent change has increased from 11.7 percent to 15.6 percent.

One of the persistent problems in clarifying the measuring task has been identifying basements for households in multi-family units. A significant portion of buildings with 2 to 4 units have basements, but the basements are often for the use of all families in the building and cannot, therefore, be included as private living space for any one apartment.

Expenditures as a Percentage of Income. The 1982 RECS is the second RECS for which expenditures for energy are shown as a percentage of the family's income. Several problems have stood in the way of reporting this statistic. First, RECS collects income data in categories, so that a family's income is known only by a range. The problem of not have a precise value was resolved in most cases by using the category midpoint when dividing the expenditures by the income, that is, $3,500 was used for each household in the category $3,000 to $3,999. The following values were assigned when the midpoint of the interval was not used:

	Value Assigned	
Income Category	Family Size Is One	Family Size Is More than One
$20,000 - 24,999	$22,293	
$25,000 - 29,999	$27,294	
$30,000 - 34,999	$32,231	
$35,000 - 49,999	$41,117	
$50,000 and over	$68,087	
$75,000 and over		$98,725

The second problem is that energy expenditures are based on the period April 1982 through March 1983, while income is based on calendar year 1981. The difference in time periods has the effect of increasing the size of the percentage, since an income from an earlier period is likely to be smaller, having been subject to less inflation. It is not known how much the percentage would change for various income categories by using "aged" income data.

Indoor Temperatures. The data on indoor temperatures are believed to be generally accurate for the purpose of ordering households along a temperature gradient. The following limitations, however, are causes for further study of the role these data play in residential energy consumption. The questionnaire asked respondents for indoor temperatures during sleeping hours and during the day when the home was occupied and when it was unoccupied; the questionnaire did not ask for temperatures on a specific day. The implication was that typical temperatures were being requested. The reported temperatures, especially for some respondents, are impressions of typical temperatures and may not represent the actual temperatures, or the averages of actual temperatures, in the home. The tendency to give impressions is more likely to occur for households that turn off their heat during the day or night. Indoor temperatures for these households may not be known or may not follow a typical pattern since the outdoor weather conditions and the thermal characteristics of the housing unit will determine the indoor temperature.

Other factors likely to make these reports unreliable indicators of the actual temperatures include the following: respondents may not check temperatures or thermostat settings on a regular basis or may not have thermostats that are marked with degree settings; temperatures may differ from thermostat settings (a home can become warmer than the thermostat setting); thermostats may need to be recalibrated; and, finally, disagreement may exist among household members as to the typical temperature. The unreliability of these data for some respondents was highlighted in 1982 when a small number of households were called back to inquire about nighttime temperatures that exceeded daytime temperatures. Many of these households changed their reports by 5 to 10 degrees or more.

Sampling Errors

The form of the sampling error that is presented here is the relative standard error (RSE). The RSE is also known as the coefficient of variation. For a given survey statistic, Y, the relative standard error, RSE (Y), is given by

$$RSE\ (Y) = (S_Y\ /Y) \times 100\%.$$

Thus the standard error of Y is given by

$$S_Y = RSE\ (Y) \times Y/100.$$

Appendix C (Continued)

This section provides generalized procedures and examples for use in calculating relative standard errors for several types of statistics from the 1982 RECS survey.[1] The generalized procedures involve the use of tables that relate the RSE of a statistic to the number of households over which the statistic applies. These tables are based on regression equations developed using RSE's computed by a half-sample replication procedure. They were developed for the 1982 RECS data and will change for subsequent surveys. The end of this section provides a discussion of the half-sample replication technique and the generalized sampling error equations developed and used in this section. Generalized procedures are provided for household counts, percentages based upon counts, aggregate totals, and averages.

Determination of Relative Sampling Errors for Household Counts

Procedures are presented here for determining relative sampling errors (RSE) for statistics that are counts of households. The counts can be obtained from this report, other reports of the 1982 RECS, or the public-use data tape for the 1982 RECS. For some household counts, the RSE is zero. Household counts with a zero RSE are called control totals. A simplified method for determining RSE's for household counts that are not control totals is presented, followed by a more complete, longer method. The simplified method can be used for any household count, but it will produce overestimates of sampling errors in some cases.

Control Totals. The numbers of households that live in each of the four Census regions were used as design parameters for the 1982 RECS. These household counts are listed in Table C5. The counts will have zero RSE's or sampling error in the RECS. They are based on results of the Current Population Survey (CPS) compiled by the U.S. Bureau of the Census. The CPS surveys are subject to their own sampling variances. Any errors in these numbers can be considered to be biases of the 1982 RECS. In this report, these household counts or sums of these counts are referred to as control totals.

Simplified Method. For a household count that is not a control total, read or extrapolate its RSE value from Table C3. (The RSE's listed in Table C3 can be obtained by using the first equation listed in Table C11.) The value should be adjusted by multiplying by the appropriate value or values for 10^B from Table C4.

If the characteristic of the statistic being considered is not listed in Table C4, use $10^B = 1$, or use a value for a characteristic that has similar clustering tendencies. If two characteristics define the statistic, multiply by both values of 10^B from Table C4. If more than two characteristics define the variable, choose no more than two and select the two that are the least correlated. A more complete discussion of the clustering factors is given later in this appendix. (See "Discussion of Generalized Variance Equations.")

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[1] The source of data for the calculation of relative standard errors is the 1982 Residential Energy Consumption Survey.

Appendix C (Continued)

Table C3. Relative Standard Errors for Survey Estimates of the Number (Count) of Households

Million Households	One Relative Standard Error (Percent)	Million Households	One Relative Standard Error (Percent)
0.1	46.5	1.0	17.5
0.2	35.1	1.5	14.6
0.3	29.7	2.0	12.8
0.4	26.3	3.0	10.5
0.5	23.8	4.0	9.2
0.6	22.0	5.0	8.2
0.7	20.6	10.0	5.8
0.8	19.4	20.0	4.1
0.9	18.4	40.0	2.8

Source: Energy Information Administration, 1982 Residential Energy Consumption Survey.

Table C4. Clustering Factors for Calculation of Relative Standard Errors for Survey Estimates of the Number (Count) of Households

Cell Definition	Value of 10^B
Heating and Cooling Degree-Days	1.86
MSA (1980)	1.24
Housing Structure	1.20
Natural Gas is Water or Space Heating Fuel	1.16
Electricity is Water or Space Heating Fuel	1.13
Year House Built	1.08
Origin (Race)	1.07
Wood is Main Space Heating Fuel	1.07
How Utilities are Paid	1.06
LPG is Water or Space Heating Fuel	1.05
Hispanic Descent	1.03
Main Heating Equipment	1.02
Wood is Burned	1.02
Fuel Oil is Water or Space Heating Fuel	0.99
Own/Rent	0.98
Poor--125 Percent	0.97
Secondary Heating Equipment	0.97
Number of Doors	0.97
Types of Appliances Used	0.97
Have Air Conditioning Equipment	0.96
Add Weatherstripping	0.95
Add Caulking	0.94
Number of Windows	0.94
Have Energy Audit	0.93
Number of Storm Windows	0.91
Number of Heated Square Feet	0.90
Sex of Householder	0.90
Age of Householder	0.87
Family Income	0.87
Number of Household Members	0.86

Source: Energy Information Administration, 1982 Residential Energy Consumption Survey.

Appendix C (Continued)

Longer Method. The second method for calculating sampling errors for household counts uses the control totals listed in Table C5.

Step 1: Find the statistic's appropriate control from Table C5. The control total is the number of households in the Census region for which the sampling error is being determined. The control may be the sum of several control totals provided. If the correct control is not obvious, use the larger of several, which may be correct. If the household count is a control total, set the RSE equal to zero; otherwise, proceed to Step 2.

Step 2: If the household count is less than one-half of its control total, use method one described earlier. If not, compute a control complement for the household count and proceed to Step 3. Control complement = (control total - household count).

Step 3: Use the control complement as the new household count. Then read or extrapolate its RSE_B value from Table C3. Multiply this value by the appropriate 10^B value or values from Table C4. Denote this as CCRSE.

Step 4: Multiply the CCRSE value from Step 3 by the control complement and divide by the household count. This yields: RSE = CCRSE x (control complement) / (household count).

Table C5. Relative Standard Error Control Totals (Million Households)

Type of Aggregate	Control Totals	Upper Bound for Direct Application of Formula or Table
National	83.8	41.9
Census Region		
Northeast	18.0	9.0
North Central	21.3	10.7
South	28.1	14.1
West	16.5	8.3

Note: The MSA control parameters do not appear in this table. The reason for this is that the control parameters were based on 1970 definitions of MSA's, but this report contains tabulations based on 1983 definitions of MSA's.

Source: Estimates derived from the March 1982 and 1983 Current Population Surveys.

Appendix C (Continued)

Consider the computation of sampling error for the estimate, 15.5 *million households heat with natural gas in the North Central region.*

Step 1: From Table C5, the control total is 21.3 million, the number of households that live in the North Central region.

Step 2: The number 15.5 million is more than one-half of 21.3. Its control complement then is (21.3 - 15.5 = 5.8).

Step 3: Extrapolating from Table C3, the RSE for 5.8 is 7.8 percent. Multiply 7.8 by the values for 10 from Table C4 for *household counts over categories restricted to households* whose main space-heating fuel is natural gas. (7.8 x 1.16 = 9.05 percent.)

Step 4: Multiply CCRSE by the control complement divided by the household count.
(RSE = 9.05 x 5.8/15.5 = 3.4 percent.)

The standard error corresponding to this relative standard error applies to both the control complement and the original household count.

Determination of Relative Standard Errors for Percentages Based Upon Household Counts

Let X be an estimate of the number of households that have characteristics C_1 and C_2. Let Z be an estimate of the number of households that have characteristic C_1 but do not have characteristic C_2. Set Y = X + Z. Then Y is an estimate of the number of households that have characteristic C_1. Set p = 100 X/Y. Then p is an estimate of the percentage of households that have characteristic C_2 among all households that have characteristic C_1. The RSE of p can be approximated using

$$RSE(p) = \quad RSE^2(X) - RSE^2(Y).$$

This approximation works best when RSE(X) and RSE(Y) are estimated using a generalized variance equation. The approximation may differ greatly from the correct value if RSE(X) and RSE(Y) are half-sample estimates. This equation may also produce inaccurate approximations when it is applied to percentages that are not based on household counts or are based on ratios of household counts that cannot be characterized by the format.

Determination of Relative Standard Errors for Fuel Consumption, Expenditures, and Related Statistics

The RSE's of statistics that give the aggregate total or average per household fuel consumption or expenditures can be approximated by using Tables C6 through C8. The RSE's listed in Tables C6 through C8 can be obtained using the equations listed in Table C9. See Residential Energy Consumption Survey: Housing Characteristics 1982 (DOE/EIA-0314(82) for RSE's for square footage, annual heating degree-days, indoor daytime temperatures, number of doors or windows, and inches of insulation.

The tables give the RSE of a statistic as a function of the number of households involved in calculating the statistic. For total consumption or expenditures, the number of households is the number over which the total applies. For consumption or expenditures by fuel, the number of households is the number that use the fuel in question and whose consumption or expenditures are used in calculating the statistic for which one desires an RSE. For example, consider the Northeast Census region. The weights for the observations used in the RECS were adjusted so that the number of households in the Northeast Census region equals

18.0 million. This is the number used when computing the RSE for the total residential energy consumption in the Northeast. For electricity consumption, again use 18.0 million. But for natural gas consumption, the number of households equals 11.6 million. This is the number of households that live in the Northeast and use natural gas. The counts of households are provided for the "all major fuels" category in Table 1 in the report. But for specific fuels such as natural gas, the reader should turn to the table that covers that fuel for the appropriate household counts to be used in computing an RSE.

There are 1.0 million households that heat with LPG in the North Central region. Reading from Table C6, column 6 yields an RSE of 25.5 for total LPG consumption for households in the North Central that heat with LPG.

Table C6. Relative Standard Errors for Aggregate Statistics of Total Consumption or Expenditures for All Major Fuels, Electricity, Natural Gas, Fuel Oil or Kerosene, LPG, and Consumption of Wood

	One Relative Standard Error (Percent)					
Million Households	All Major Fuels	Electricity	Natural Gas	Fuel Oil or Kerosene	LPG	Wood
0.2	44.0	44.1	40.4	44.6	43.7	41.7
0.3	36.3	36.7	34.0	36.6	38.2	36.9
0.4	31.6	32.3	30.1	31.8	34.7	33.8
0.5	28.4	29.2	27.4	28.5	32.2	31.6
0.6	26.0	26.9	25.4	26.1	30.3	29.9
0.7	24.2	25.1	23.8	24.2	28.8	28.6
0.8	22.7	23.7	22.4	22.7	27.5	27.4
0.9	21.4	22.5	21.4	21.4	26.4	26.5
1.0	20.4	21.4	20.4	20.3	25.5	25.6
1.5	16.8	17.9	17.2	16.7	22.3	22.7
2.0	14.6	15.7	15.2	14.5	20.3	20.8
3.0	12.0	13.1	12.8	11.9	17.7	18.4
4.0	10.5	11.5	11.3	10.3	16.1	16.9
5.0	9.4	10.4	10.3	9.3	14.9	15.8
10.0	6.8	7.6	7.7	6.6	11.8	12.8
20.0	4.9	5.6	5.7	4.7	(a)	10.4
40.0	3.5	4.1	4.3	(a)	(a)	8.4
83.8	2.4	2.9	3.1	(a)	(a)	(a)

[a]Exceeds maximum number of households for this statistic.

Source: Energy Information Administration, 1982 Residential Energy Consumption Survey.

Appendix C (Continued)

Table C7. Relative Standard Errors for Statistics of Average (Mean) Consumption and Expenditures per Household for All Major Fuels, Electricity, Natural Gas, Fuel Oil or Kerosene, LPG, and Consumption of Wood

	One Relative Standard Error (Percent)					
Million Households	All Major Fuels	Electricity	Natural Gas	Fuel Oil or Kerosene	LPG	Wood
0.2	15.1	17.6	18.7	27.4	24.3	22.1
0.3	12.9	15.2	15.7	21.6	20.1	20.2
0.4	11.5	13.7	13.9	18.2	17.6	18.9
0.5	10.6	12.7	12.6	16.0	15.8	17.9
0.6	9.9	11.9	11.7	14.3	14.5	17.2
0.7	9.3	11.2	10.9	13.1	13.5	16.6
0.8	8.8	10.7	10.3	12.1	12.7	16.1
0.9	8.4	10.3	9.8	11.3	12.0	15.7
1.0	8.1	9.9	9.4	10.6	11.4	15.3
1.5	6.9	8.6	7.9	8.3	9.4	14.0
2.0	6.2	7.7	6.9	7.0	8.3	13.1
3.0	5.3	6.7	5.8	5.5	6.8	11.9
4.0	4.7	6.0	5.1	4.7	6.0	11.1
5.0	4.3	5.6	4.7	4.1	5.4	10.6
10.0	3.3	4.3	3.5	2.7	3.9	9.0
20.0	2.5	3.4	2.6	1.8	(a)	7.7
40.0	1.9	2.6	1.9	(a)	(a)	6.6
83.8	1.5	2.0	1.4	(a)	(a)	(a)

[a]Exceeds maximum number of households for this statistic.

Source: Energy Information Administration, 1982 Residential Energy Consumption Survey.

Appendix C (Continued)

Table C8. Relative Standard Errors for Statistics of Energy Prices for All Major Fuels, Electricity, Natural Gas, Fuel Oil or Kerosene, and LPG

	One Relative Standard Error (Percent)				
Million Households	All Major Fuels	Electricity	Natural Gas	Fuel Oil or Kerosene	LPG
0.2	7.3	7.0	8.2	1.4	37.1
0.3	6.5	6.3	7.1	1.2	32.5
0.4	6.0	5.9	6.4	1.0	29.7
0.5	5.6	5.5	5.9	0.9	27.6
0.6	5.3	5.3	5.5	0.9	26.0
0.7	5.1	5.1	5.2	0.8	24.8
0.8	4.9	4.9	4.9	0.8	23.7
0.9	4.7	4.8	4.7	0.7	22.8
1.0	4.6	4.6	4.6	0.7	22.1
1.5	4.1	4.2	3.9	0.6	19.4
2.0	3.8	3.9	3.5	0.5	17.7
3.0	3.3	3.5	3.0	0.4	15.5
4.0	3.1	3.3	2.7	0.4	14.1
5.0	2.9	3.1	2.5	0.4	13.2
10.0	2.4	2.6	2.0	0.3	10.5
20.0	1.9	2.2	1.5	0.2	(a)
40.0	1.6	1.8	1.2	(a)	(a)
83.8	1.3	1.5	0.9	(a)	(a)

[a]Exceeds maximum number of households for this statistic.

Source: Energy Information Administration, 1982 Residential Energy Consumption Survey.

Table C9. Relative Standard Error Equations for Statistics from the 1982 Residential Energy Consumption Survey

Type of Statistic			Generalized Variance Equation
Household Counts	log(RSE)	=	1.244 - 0.450*log(NHSLD) -0.027 *[(log(NHSLD))^2]
Total Consumption or Expenditures			
All Major Fuels	log(RSE)	=	1.309 - .479*log(NHSLD)
Electricity	log(RSE)	=	1.331 - .448*log(NHSLD)
Natural Gas	log(RSE)	=	1.310 - .424*log(NHSLD)
Fuel Oil or Kerosene	log(RSE)	=	1.308 - .489*log(NHSLD)
Liquefied Petroleum Gas	log(RSE)	=	1.407 - .334*log(NHSLD)
Wood Consumption	log(RSE)	=	1.409 - .302*log(NHSLD)
Average (Mean) Consumption or Expenditures			
All Major Fuels	log(RSE)	=	.908 - .386*log(NHSLD)
Electricity	log(RSE)	=	.995 - .357*log(NHSLD)
Natural Gas	log(RSE)	=	.971 - .431*log(NHSLD)
Fuel Oil or Kerosene	log(RSE)	=	1.025 - .591*log(NHSLD)
Liquefied Petroleum Gas	log(RSE)	=	1.058 - .470*log(NHSLD)
Wood Consumed	log(RSE)	=	1.185 - .229*log(NHSLD)
Average (Median)			
Wood Consumed	log(RSE)	=	1.495 - .245*log(NHSLD)
Percent of Income Spent on Energy	log(RSE)	=	1.188 - .420*log(NHSLD)
Energy Prices			
All Major Fuels	log(RSE)	=	.661 - .288*log(NHSLD)
Electricity	log(RSE)	=	.667 - .253*log(NHSLD)
Natural Gas	log(RSE)	=	.659 - .367*log(NHSLD)
Fuel Oil or Kerosene	log(RSE)	=	-.152 - .426*log(NHSLD)
Liquefied Petroleum Gas	log(RSE)	=	1.344 - .322*log(NHSLD)
Proportionate			
Electricity	log(RSE)	=	.904 - .321*log(NHSLD)
Natural Gas	log(RSE)	=	.794 - .478*log(NHSLD)
Fuel Oil or Kerosene	log(RSE)	=	.865 - .594*log(NHSLD)
Liquefied Petroleum Gas	log(RSE)	=	1.007 - .396*log(NHSLD)

Note: NHSLD is the number of households in millions. Logarithms are calculated to the base 10.

Source: Energy Information Administration, 1982 Residential Energy Consumption Survey.

Appendix C (Continued)

Discussion of the Generalized Variance Equations

The generalized variance equations shown in Table C9 were obtained using a least squares regression. The RSE's used as input data in the regression procedure were obtained using a half-sample variance estimating procedure. The details of this procedure follow this discussion. The generalized variance equations were developed to provide users of the 1982 RECS data with a procedure for obtaining RSE's.

The generalized variance equations listed in this report apply only to data for the 1982 RECS. Procedures for calculating estimates of sampling error for other RECS surveys can be found in publications of data from those surveys.

In calculating sampling errors for household count statistics, the appropriate control total depends upon the geographic division to which the household count is restricted. Table C5 lists control totals for the country as a whole and the four Census regions. Control totals can also be sums of the control totals listed in Table C5. For example, if one is considering the number of households in the country whose main heating fuel is fuel oil, then from Table C5, the control total is the estimated number of households in the country (83.8 million). If one wants the number of households that heat with fuel oil in New England, the appropriate control total is the number of households in the Northeast (18.0 million), from Table C5. The New England Census division is contained in the Northeast Census region, but Census division was not used as a control total. If the appropriate control total is not obvious, use the larger of the ones that may be appropriate. This will be a conservative choice.

A household count statistic is an estimate of the number of households that belong to a certain subset of all households in the country. The subset is defined by restrictions on certain characteristics. The value of 10^B from Table C4, the cell definition factor, depends partly on the amount of clustering of the characteristics used in defining the cell. In particular, the value of 10^B depends on the strength of the tendency of households with similar characteristics to live in groups within each replicate pair. (See "Half-Sample Estimation Procedures for Sampling Errors" for a discussion of replication.) If the characteristic is highly clustered, the value of 10^B is greater than one. If the characteristic is widely spread out, the value of 10^B is less than one. For example, one possible characteristic is heating and cooling degree-days. People who live close to each other experience the same weather conditions; consequently, the value of 10^B for heating and cooling degree-days is greater than one. On the other hand, there is some clustering of households headed by people of the same age group, but this tendency is less pronounced than for most other characteristics. As a result, the value of 10^B for age of household head is less than one. As a final example, consider the Census region in which households are contained. Everyone in the same pair of replicate groups lives in the same Census region. Therefore, there is no way of defining a cluster based on Census region within a pair of replicate groups. As a result, the value of 10^B for Census regions is 1.0.

Half-Sample Estimation Procedures for Sampling Errors

The complex multistage, multiframe design of the survey makes it almost impossible to construct an exact algebraic variance estimator. The method used to produce variances for the RECS is balanced half-sample

replication (see References 1 and 2). The generalized variance equations described were based on sampling errors produced by this half-sample technique. To apply the half-sample technique to this survey, the 131 Primary Sampling Units (PSU's) were grouped into 81 strata. Thirty-one of the strata were treated as self-representing; either they consisted of large metropolitan areas that came into the sample with certainty or they were PSU's in a stratum that could not be paired with another stratum that had similar characteristics. In these strata, segments were divided into two replication groups. Each of the remaining 50 strata consisted of two sample PSU's belonging to the same Census division. The two replication groups in these strata consisted of one PSU each.

To save time and effort, a fully balanced half-sample design was not used. Instead, the half-samples were balanced only among strata in the same Census region. If a fully balanced design were used, it would require 88 half-samples. By balancing only within Census regions, a balanced design could be constructed using 32 half-samples.

The survey was constructed so that the results in each Census region can stand alone. No PSU lines cross Census region boundaries. The non self-representing PSU's were paired within Census regions. All controlled selection was done within each Census region. The ratio estimation was also done within each Census region. Consequently, the national totals can be considered to be the sum of four independent totals for the four Census regions. Therefore, the variance of a national total is the sum of the variances for its four corresponding regional totals. This fact was used as one justification for balancing the half-sample design only within Census regions.

The 32 half-sample design is defined by a 32 x 81 matrix of +1's and -1's. The 32 rows correspond to the 32 half-samples and the 81 columns correspond to the 81 pairs of replication groups. The +1's and -1's determine which of the groups in the pairs is used in each half-sample. All column totals are 0. Therefore, each of the groups is used in exactly 16 of the half-samples. The columns for sets of pairs that fall within the same Census region are orthogonal. This is not necessarily true for columns corresponding to pairs that fall into different Census regions.

The 32 x 81 design matrix was constructed using a 32 x 32 orthogonal matrix adapted from an article by Plackett and Burman (Reference 3). The rows of this 32 x 32 matrix were randomly sorted. The sorting preserves orthogonality. For each Census region, K columns were randomly selected from the sorted matrix. Therefore, K is the number of replication groups in a Census region. After the columns for a Census region have been selected, the rows are randomly sorted again.

Without the random sortings, any two of the columns would either be orthogonal or identical. For any column, at most three other columns could be identical to it. The three other columns would correspond to pairs in the three other Census regions. When two columns are identical, it means the groups corresponding to the +1's will always be in 16 half-samples together. (The groups corresponding to the -1's would follow a similar pattern.) Random sorting makes the possibility of two identical rows zero for all practical purposes.

Variance estimates for selected survey statistics were created by computing 32 half-sample estimates for each statistic. If a +1 falls in the ith row and j^{th} column of the design matrix, the replication group corresponding to the +1 in the the jth pair was used in the ith half-sample. The sampling weights in each half-sample were ratio-

Appendix C (Continued)

adjusted upward so that the total number of households in each Census region classified by MSA status corresponded to the control total for that cell.

As a result of using control totals, the total number of households in each of the 12 cells (Census region classified by MSA status) is the same for all half-samples. The variance for these 12 totals, then, is zero. Any errors in these numbers are biases. In particular, they are affected by any undercount or overcount in the 1980 Census and Current Population Surveys.

The half-sample variance estimate for the survey estimate Y' of characteristic Y is given by

$$S_{Y'}^{2} = (Y_i' - Y')^2/32,$$

where Y_i' is the ith half-sample estimate of Y, and Y' is the full sample estimate of Y. The half-sample procedure measures variability due to sampling error and random response variance.

References

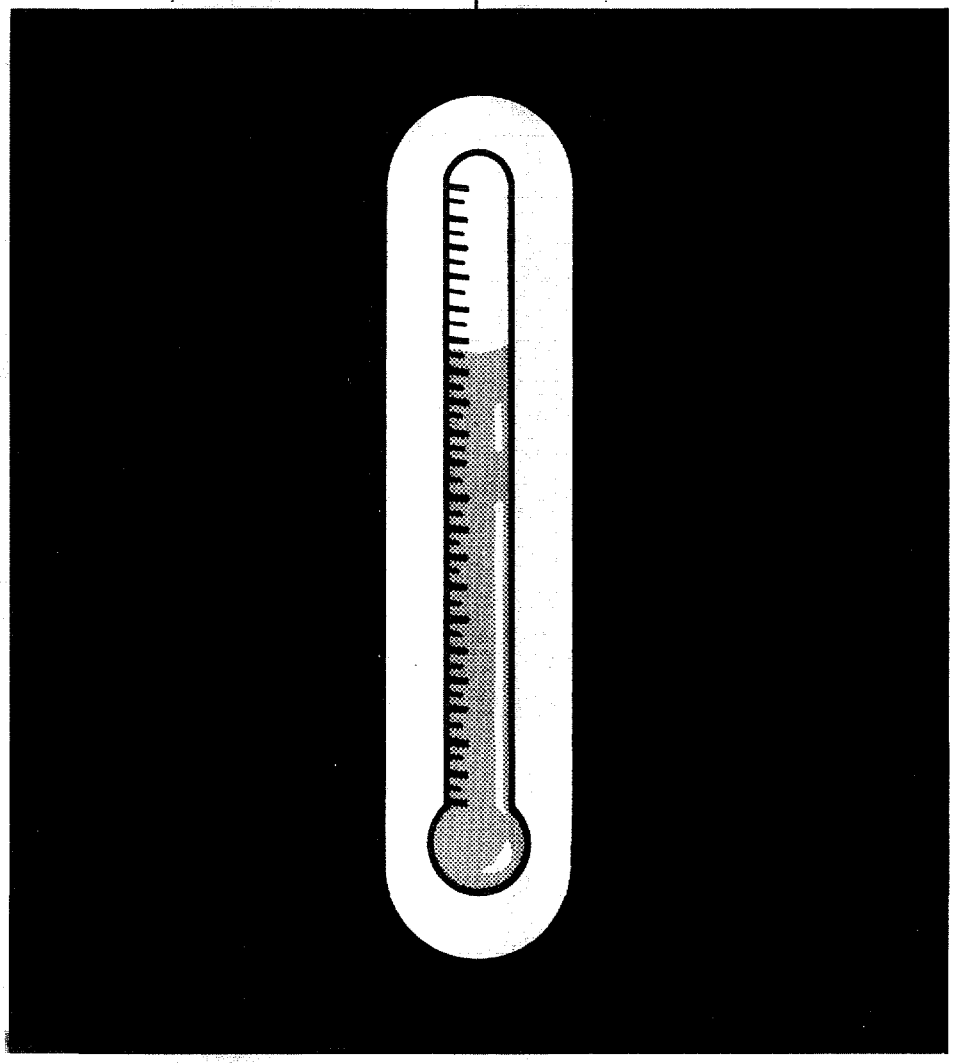
1. National Center for Health Statistics. "Replication: An Approach to the Analysis of Data from Complex Surveys." Vital and Health Statistics. U.S. Public Health Service Publication No. 1000--Series 2--No. 14. Washington, D.C.: U.S. Government Printing Office, April 1966.

2. National Center for Health Statistics. "Pseudoreplication: Further Evaluation and Application of the Balanced Half-Sample Technique." Vital and Health Statistics. U.S. Public Health Service Publication No. 1000--Series 2--No. 31. Washington, D.C.: U.S. Government Printing Office, January 1969.

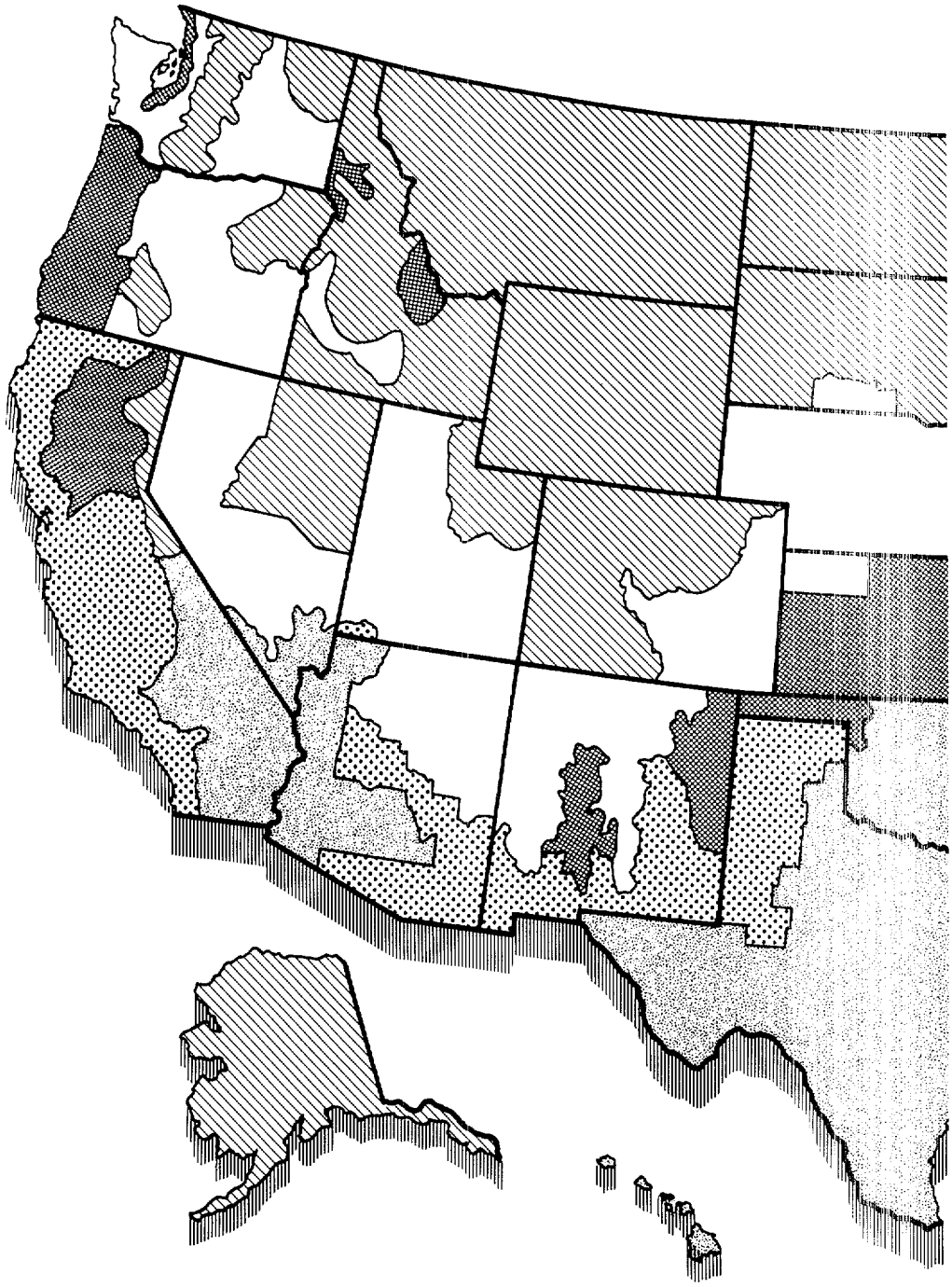
3. Plackett, R. L., and Burman, J. P.: "The Design of Optimum Multifactorial Experiments." Biometrika 33 (1946): 305-325.

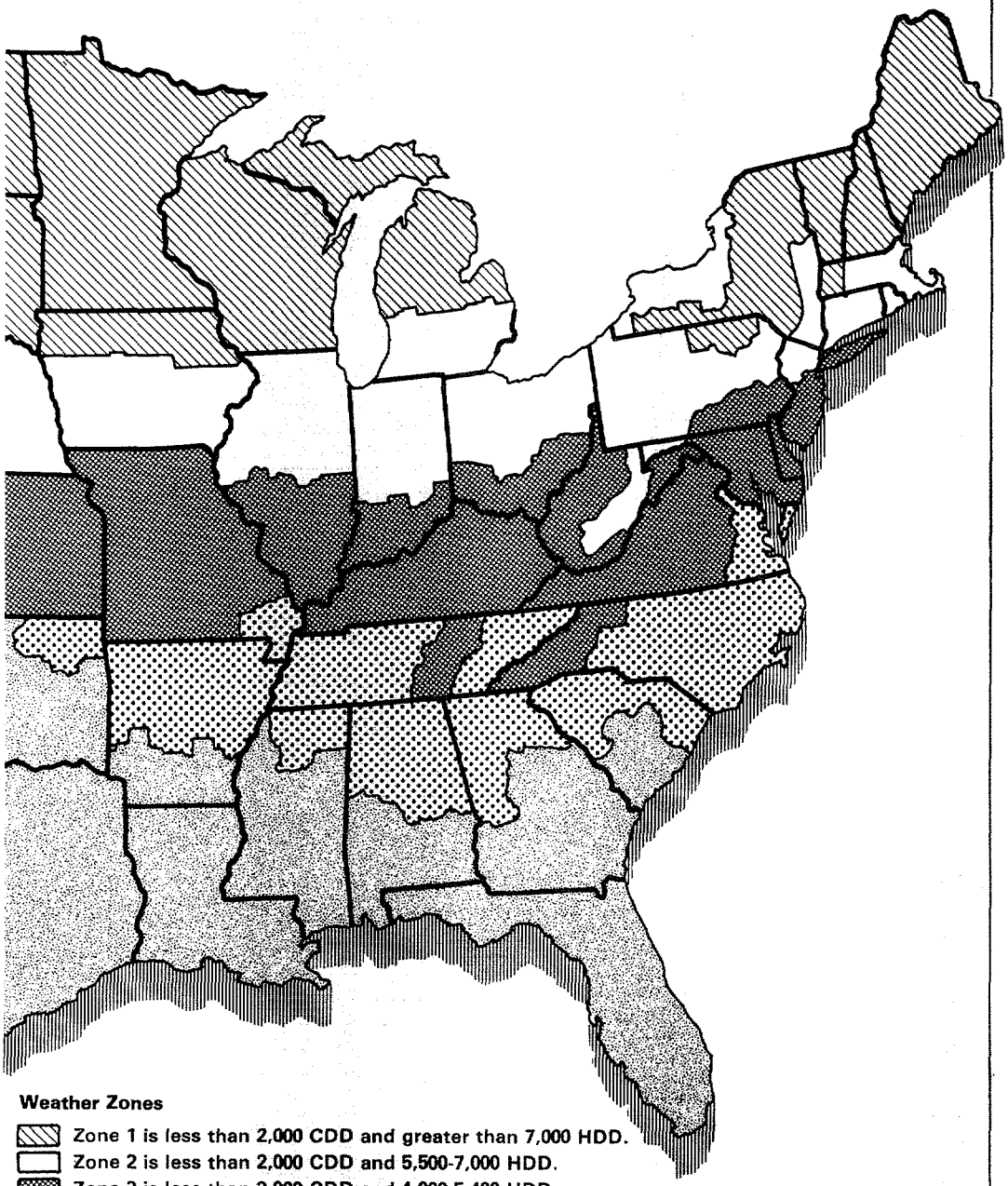
Appendix D

U.S.
Weather Zone
Map



Appendix D



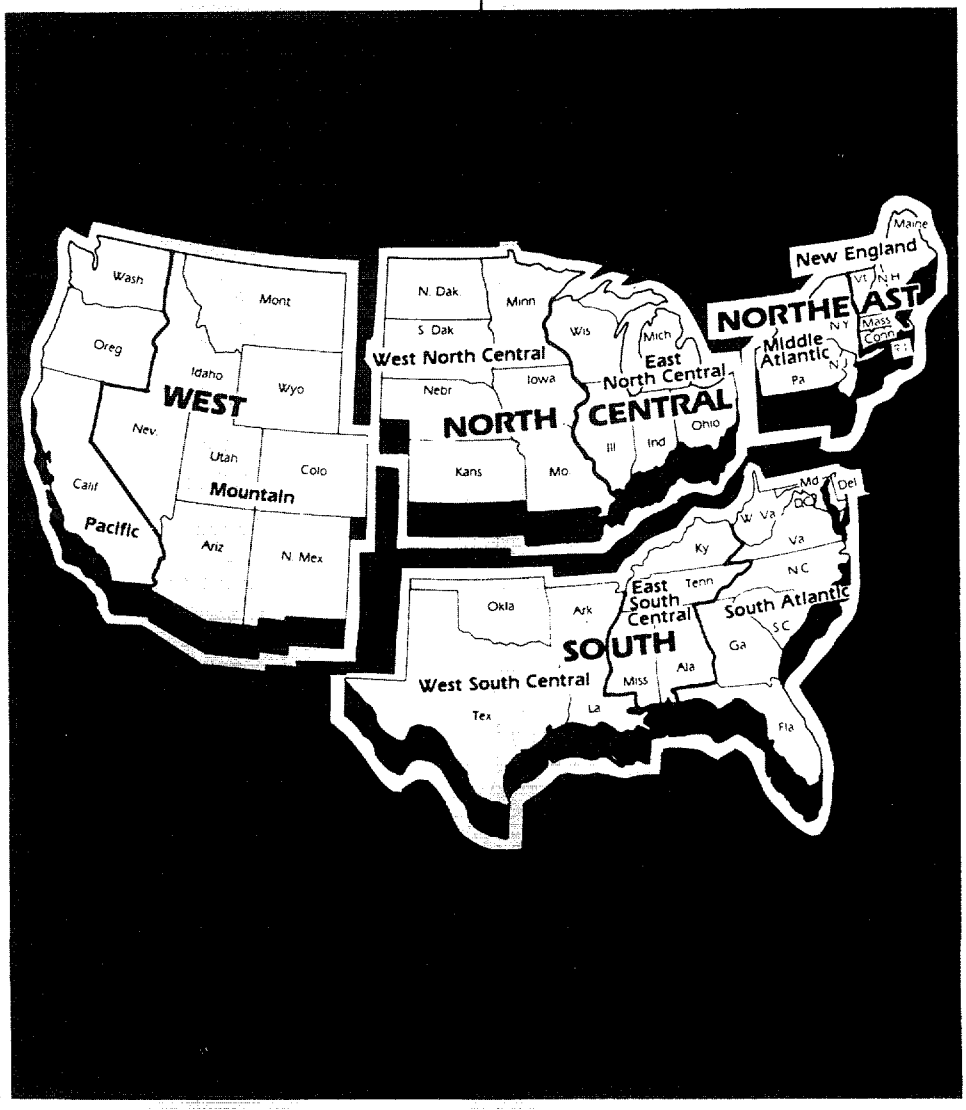


Weather Zones

- Zone 1 is less than 2,000 CDD and greater than 7,000 HDD.
- Zone 2 is less than 2,000 CDD and 5,500-7,000 HDD.
- Zone 3 is less than 2,000 CDD and 4,000-5,499 HDD.
- Zone 4 is less than 2,000 CDD and less than 4,000 HDD.
- Zone 5 is greater than 2,000 CDD and less than 4,000 HDD.

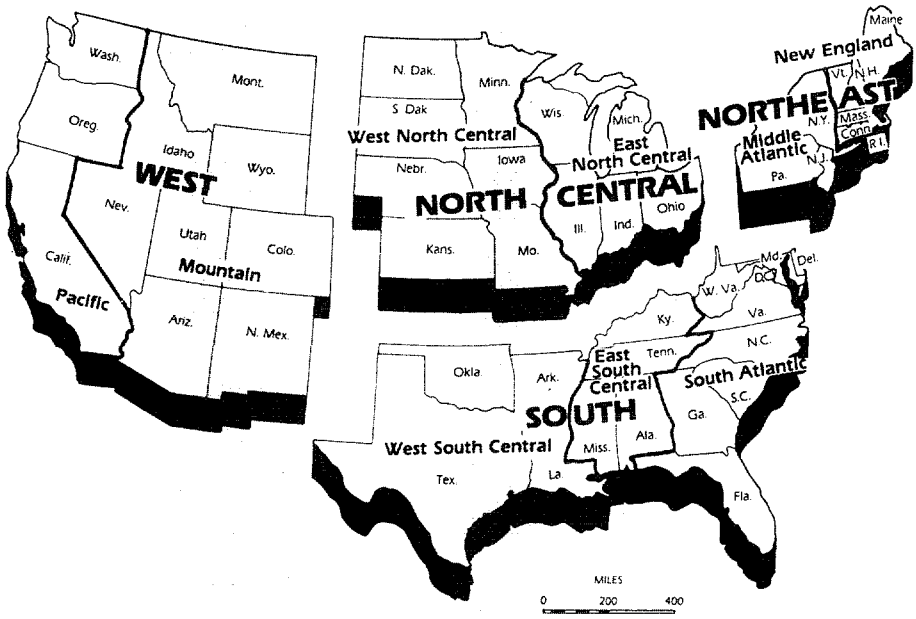
Appendix E

U.S. Census Regions and Divisions



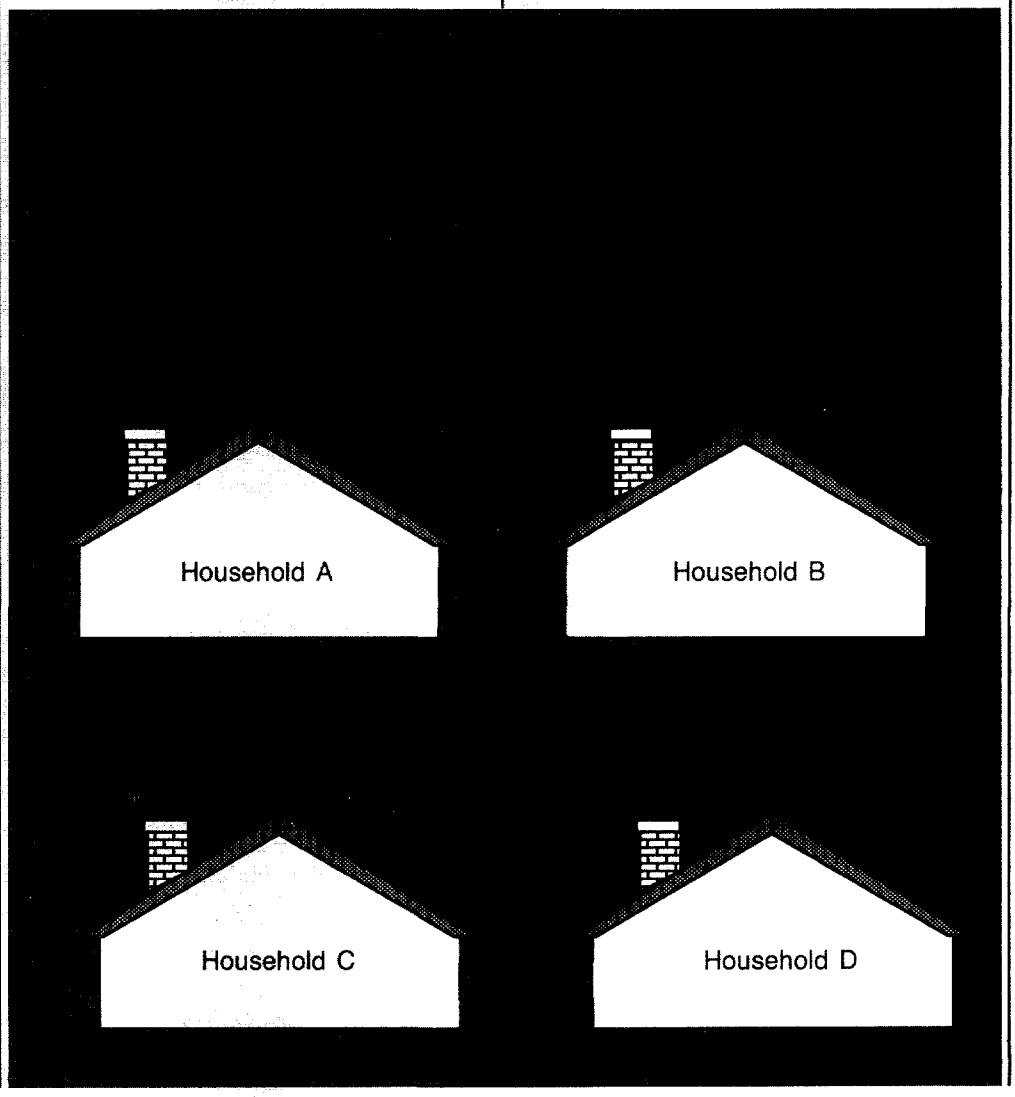
Appendix E

U.S. Census Regions and Divisions



Appendix F

Followup Interviews With Four Households Using Unusual Amounts of Energy



Appendix F

Introduction

The Energy Information Administration (EIA) is committed to publishing statistics that are of the highest quality possible within existing resource constraints. To that end, EIA is continually working to ensure the continued credibility of its statistics and data systems. Our ongoing analysis of issues related to the quality of the data is presented in Appendix C, "Limitations of the Data." That appendix contains a discussion of the effect of excluding wood fuel from consumption statistics for the major fuels, and the reliability of floor space measurements and temperature settings. In evaluating the Residential Energy Consumption Survey (RECS) questionnaire prior to implementing the 1984 RECS, a major question was whether the questionnaire could be expanded to include information that might help explain the reasons for unusually high or low energy consumption.

The four followup interviews described below were the result of that concern. The outcome was a judgment that an improved understanding of the unusual consumption patterns in the four households would not come from adding questions to the questionnaire. Improvement may require other changes in the survey procedures, such as follow-up interviews or improved training and internal procedures. These are areas now under review.

The reader is cautioned that the four households which are described below are not typical households but rather are representative of the 20 percent of households that consume more or less than would be expected.

Four households were selected from those which had participated in the 1981 Residential Energy Consumption Survey. Each of the selected households had consumed above or below average amounts of electricity or natural gas during the period from April 1, 1981, to March 31, 1982. The primary goal of this project was to find out why each household might have had a higher or lower consumption rate than other households with the same number of people living in a similar size home.

The interviews were conducted by Harold L. Wilhite and Richard R. Wilk of the University of California at Santa Cruz in March 1984. The authors developed the interview methods during a 1-year study of energy conservation decision making in Santa Cruz, California. The interview methods were based on conventional ethnographic methods used in anthropology, and can be described as guided but open-ended. The household members being interviewed were encouraged to take the lead in linking their energy use to other aspects of their life-style, including home improvement, recreation, and family interactions. The interviewers also explored attitudes toward utility companies, nuclear power, resource conservation, rising costs, and family finances in general. Households Energy Conservation Decision Making in Santa Cruz County, California, (Paper UER-105, Universitywide Energy Research Group, Berkeley 1983) contains a more complete description of the Santa Cruz project research methodology.

Appendix F (Continued)

Summary of Findings

The reasons for overconsumption or underconsumption of fuels by the sample households were quite straightforward, although the extended analysis goes beyond the most obvious answers. The most important reasons for deviant consumption by each household are presented in this section.

Household A: Consumption of natural gas was 66 percent above that of households with similar characteristics.

Major Cause: On the original survey form, the head of the household claimed that he never used natural gas for space heating, but depended instead on a wood-burning stove. During the interview, he admitted that he had in fact used his natural gas heater during the period in question, a time when his wife was terminally ill at home.

Household B: Consumption of natural gas was 72 percent below that of households with similar characteristics.

Major Cause: Because of language differences, the original survey form reported that the thermostat on the wall heater was kept at 65 degrees Fahrenheit when the occupants were in the apartment. In actuality, the heater was completely turned off when the apartment was first occupied (in 1980) and had not been used since.

Household C: Consumption of electricity was 101 percent above that of households with similar characteristics.

Major Cause: At the time of the original survey, this household included a married couple and three young adult sons. Each son had what was essentially his own apartment with appliances (all electric), meaning that this house contained four semi-autonomous units. In addition, a number of electrical appliances in the house were omitted from the original form, perhaps because the household head was self-conscious about high consumption.

Household D: Consumption of natural gas was 62 percent below that of households with similar characteristics.

Major Cause: One month after the original survey, the household installed a wood burning-stove and turned off the pilot light for the natural gas furnace. Therefore, during most of the winter of 1981-1982 this household did not use natural gas for space heating.

Detailed Analysis of Each Case

Household A: This household consists of a single retired male, Mr. A. At the time of the survey interview in 1981, Mrs. A was also living in the house. Shortly after the survey interview, in November 1981, Mrs. A contracted cancer. From that time on she was hospitalized for short periods, but was otherwise house bound until she died a year later.

Mr. A is a retired mechanic who prides himself on his frugal and conservative life-style. He performs many maintenance tasks around the house ("I never hire nothing out...") and places a high value on self-reliance and independence. These are some of the characteristics that led him to install an air-tight fireplace insert in fall 1980. In addition, Mr. and Mrs. A spent most of their time in and around the

house, did not go on long vacations, and did not have many recreations that took them outside the home. During Mrs. A's illness, this trend was exacerbated, although Mr. A began to spend much less time in the house after his wife died.

One reflection of Mr. A's pride in his frugality is his attitude towards his utility bills. He feels that his bills are very low and compares them favorably with those of his neighbors and his children. It is significant that his explanation for their higher bills is that they are careless and wasteful. According to him, they forget to turn off lights and they leave outside doors open. The interviewers have found a similar linkage between energy use and moral issues among the households they have interviewed.

His attitude towards independence and frugality and the need to rationalize the purchase of a woodstove, which was a large expense considering their limited income, is reflected by Mr. A's response during the original survey that he did not use his natural gas heater. At that time, he claimed that all of his heat came from his new woodstove. The interviewers have often found that people exaggerate the benefits of woodstoves, solar panels, and other expensive conservation measures. The assertion that he did not use piped gas for heating is in accordance with a desire for self-reliance and independence.

The conversational format of the interview allowed the interviewers to draw Mr. A out on this topic, and they found that each time he mentioned heating or thermostat settings, he increased his estimate of his use of natural gas. At first he said that the furnace was off all of the time. Then he admitted that it was used sometimes. Eventually, he mentioned that the thermostat was kept between 55 and 60 degrees all winter, so that the furnace was functioning even when he was absent from the house.

When confronted directly with the evidence that his household had used quite a bit of natural gas during the period from March 1981 to April 1982, Mr. A admitted that the gas heater may have been used more often during his wife's illness. The interviewers' found that it is common, especially among older Americans, for good health to be associated with a warm house (this is quite different from the attitudes of most younger households in the Santa Cruz sample), and it is likely that the home was kept warmer than usual during the winter of 1981-1982. Mr. A's gas heater is of a particularly inefficient type; it is a forced-air wall furnace with only two outlets into the house, controlled by a single thermostat in a drafty hallway.

The interviewers have often observed a male bias in the operation of woodstoves; males often take major responsibility for lighting and stoking the heater. When Mrs. A was ill and alone in the house, she probably used the gas heater rather than the woodstove, again increasing gas consumption. Being house-bound may lead to high energy consumption in other ways. More meals may be taken in the home and many other appliances may be used more often.

Household B: At the time of the original survey, this household consisted of two adult males who rented the apartment. One of them has since moved out, and Mr. B, the original respondent, now has a new roommate. The interview was conducted with Mr. B only. Mr. B is Hispanic and has lived and worked in the United States for only a few years. His family remains in Mexico. The interviewers established that much of his disposable income goes to support them, which means that the household income recorded on the original survey form is far greater than the actual disposable income.

Mr. B and his roommate are both single males with incomes and very few possessions. Their recreations often take them out of the house. They use few appliances, cook few meals, and live a frugal lifestyle, conserving cash for major expenses. During 1981 and 1982, Mr. B worked a shift from 4 p.m. to 12:30 p.m., so that he was not home for the dinner meal, nor was he home during the cool evening hours.

The facts that Mr. B is a renter and has a low income both have a strong bearing on his energy use. He has had neither the incentive nor the means to invest in energy conserving devices as a strategy to reduce his energy costs. He had, therefore, developed a lean energy lifestyle that is reflected by his decision not to use space heating in the apartment. He stopped using the space heater a few months after he moved in. The original survey form recorded that he kept the house at 65 degrees Fahrenheit when he was at home. This report may have been the result of miscommunication, as English is not his native language.

Mr. B was brought up in rural Mexico, and had never before lived in a home with any kind of space heating. The interviewers have found that early life comfort conditioning often carries over into later life.

Mr. B is aware that his utility bills are low and is pleased by it. He mentioned that he had compared his bill on several occasions with his neighbor's, and that his bills were much lower. He attributed the difference to the presence of a child in the neighbor's household.

Household C: Household C includes Mr. and Mrs. C and their four children. Three of the children are sons around 20 years of age, each of whom has his own bedroom in the back of the house. They pay rent to Mr. C, but do not pay a share of the utility bills. They eat with the rest of the family, and Mrs. C does their laundry (sometimes four or five loads a day). They spend much of their leisure time in their rooms, where they have their own television sets, stereos, and electric resistance heaters (these heaters were omitted from the original survey form). Mr. C is a general contractor, upwardly mobile, with a high income and high standards of consumption.

This is an increasingly common type of housing arrangement in areas where housing is expensive. The economic arrangements fall between those of regular conjugal-family household and those of a houseful (the term for several independent households which share a single domicile). As such, this is an ambiguous situation, which was dealt with in the original survey by recording the son's energy consumption as fuel "used for purposes other than for your own living quarters." Mr. C estimated that about 25 percent of the energy was used by the sons. The situation is, in fact, more complex; the sons probably use more than a quarter of the total electricity in their own rooms, in addition to their share of the energy spent in cooking, washing, and cooling.

Mr. C's household has a high energy use profile. They have many appliances, spend much of their time at home, and have habits conducive to high energy use. In an extensive exchange, the interviewers compiled a complete list of all the electrical appliances in his house at the time of the original interview. The interviewers found that a truly exhaustive list requires taking the interviewee through a room-by-room visualization. This often results in the mention of appliances which are omitted when answering a query such as "what other electrical appliances

do you have?". The final list included 6 television sets, a Jacuzzi pump (run 2 hours a day), a pool pump, four stereos, two baseboard heaters, two ovens, an electric indoor barbeque, a trash compactor, a dishwasher, two refrigerators, and old freezer, a table saw, two skill saws, a stove, a clothes washing machine, and an electric dryer.

Mr. C is aware that his household has high electricity bills. "I can go out there and look at that (utility company) meter and that thing is spinning faster than heck!" His first explanation was that there was a fault in the wiring or metering, but the utility company found nothing wrong. He admitted that the problem must be "just overusing," but places the blame on his wife for all her cooking and washing (she was not present at the interview). At the same time, he expressed minimal interest in energy conservation measures. In this, he is like many of the upwardly-mobile people interviewed, for whom a high-consumption lifestyle is a sign of wealth. Conservation measures are seen as being mean or stingy and are associated with poverty. However, he does not want to be seen as wasteful or extravagant, just comfortable. High usage is viewed as a consequence of greater comfort.

Household D: This interview was conducted with Mr. and Mrs. D, a middle-aged married couple with three teen-aged children. In 1980, Mr. D moved from a management position in his company to a sales position. He reported that his potential for earnings became higher, but that his income began to fluctuate dramatically because he works strictly on a commission basis. In the meantime, he had become concerned about rapidly rising utility rates, which looked even higher to him from his less stable economic position. He became very disaffected with the utility company, characterizing them as "a ripoff."

Mr. D faces what he perceives to be a serious dilemma; he must continue to meet the energy needs of his family, "even though I don't always have the financial stability." His first recourse was to impose a strict regimen of energy management in the home. The pilot on the gas furnace was turned off for several months during the year, doors were closed, and family members wore sweaters and bulky clothing in the house. These efforts helped to reduce the bills, but not enough. If he could eliminate his need for natural gas, he would no longer have to worry about "paying the high price of gas" in those periods when his income was down.

In November 1981, one month after the original interview was conducted, Mr. D bought a wood burning stove (it is possible that the interview sparked the decision). Shortly thereafter, he turned off the pilot light on his gas central heater and has not lit it since. Thus, the principle reason that this household used so much less than the norm in the winter of 1981-1982 was that it began using wood instead of gas as its space heating fuel.

The conversion to the woodstove for space heating was not the only way that this household has reduced energy use. After a couple of years with the thermostat turned down, the members of the household had habituated themselves to the cooler temperature in the house. Mrs. D said that "I liked a house hot, but I have adjusted that down. Now I think we are healthier." The interviewers have found that "better health" is often a rationalization that follows temperature set-backs. The strategy is then not perceived as stinginess, but as an effort to improve family health.

Appendix F (Continued)

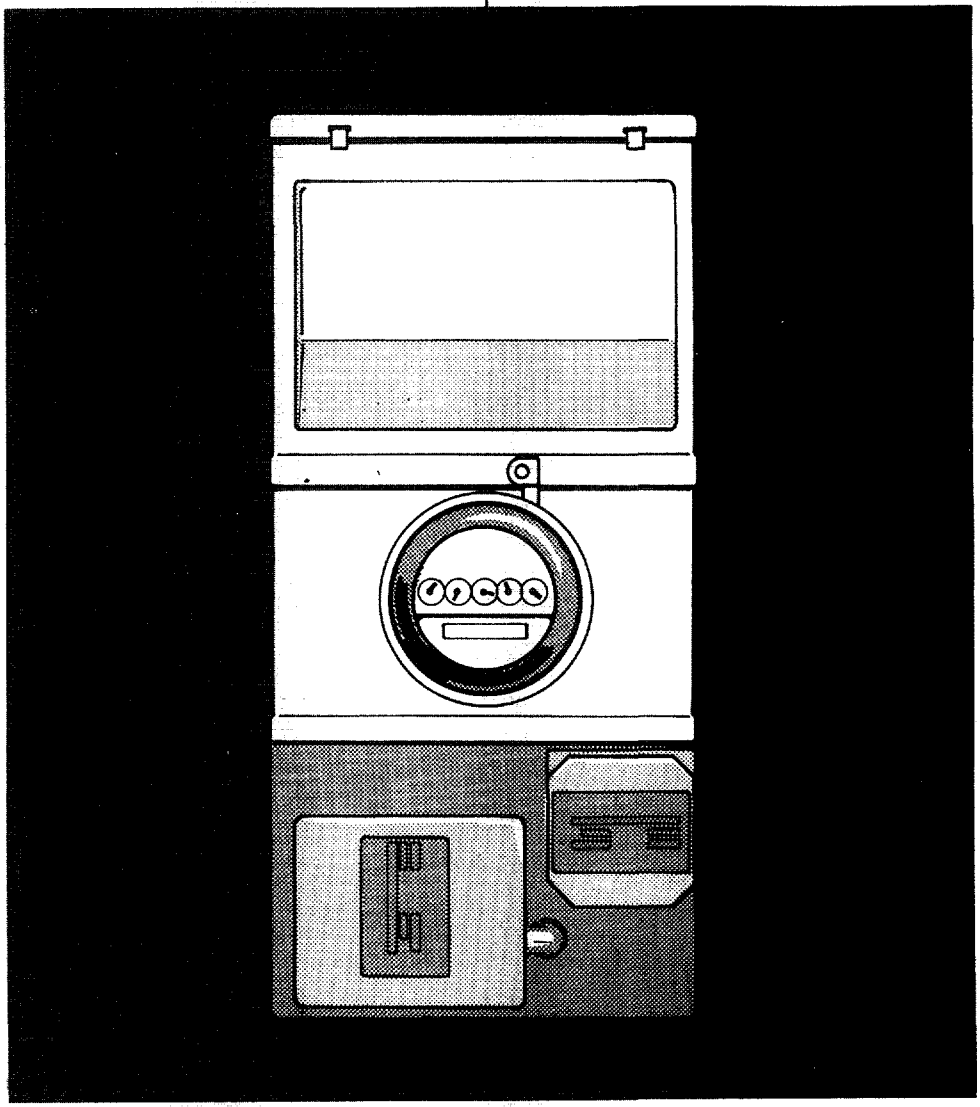
In this case, the family got rid of their electric blankets which reduced their need for night time heating, though they kept their heated water beds. Another reason for their lower household energy consumption is that they own a camper and a boat, and spend many weekends out of the house. They divert as much of their income as possible into these recreations.

Another strategy that Mr. D used was to get the utility to raise his electricity lifeline level by lying to them about his central heating source. When he bought the woodstove, he called the utility company and said that he had bought an electric heater and it would now be his principle heating source. The utility took him at his word, even though he never bought the electric heater. He considers this to be a "white lie," saying that when he called he really had intended to buy a heater.

Mr. D said that when he "saw what happened with the fireplace," he decided to invest in solar panels for his hot water heating. He did this after the survey data were collected, but it is another manifestation of his drive for independence. The interviewers have found that positive feedback from one investment in conservation often leads people to do more. In this case, there is no doubt that Mr. D was happy with his stove. He said "I love the stove," and when it was installed, he took full charge of its operation. In 1983, he decided to buy a more efficient wood stove insert. He expressed special satisfaction with his low gas consumption in comparison to that of his father, who had chided him about his high utility bill. According to Mr. D "that really dorked me off." Now he has the advantage in their competition.

In the case of the D household, an unstable household income, a dislike of the utility company, and a fear of ever higher energy costs led to a multi-faceted drive for independence from the utility company. One of the mainfestations of that drive was the installation of the woodburning stove in November 1981 as the principle source of space heating; it was this more than anything else that was responsible for the tremendous reduction in the use of natural gas by this household.

Glossary



Glossary

Air Conditioning: Cooling of air by a refrigeration unit. This does not include fans, blowers, or evaporative cooling systems or "swamp coolers" that are not connected to a refrigeration unit. Air-conditioning units that are not currently in working condition or are not used, but are in place in the housing unit, are included in this survey.

"Number of rooms that can be air conditioned" refers to the number of rooms the air-conditioning equipment is capable of cooling when the equipment is used. The question "How many rooms in your house (apartment) can be cooled by your air conditioning?" refers to rooms that could be cooled if the air-conditioning equipment were used. There are, therefore, no cases in the data set of a household with air-conditioning equipment that cooled zero rooms.

"All rooms air conditioned" means that 100 percent of the rooms are air conditioned. "Some rooms air conditioned" means that fewer than 100 percent are air conditioned.

"Central air-conditioning system" refers to a system that air-conditions a number of rooms in a home. See also Central System for the Building. For a definition of rooms, see Number of Rooms.

All-Electric Home: Uses electricity for space heating, water heating, and cooking. Other fuels may be used for supplementary heating or other purposes.

Appliances Used: Appliances possessed and used by the household during the year. Appliances possessed by the household but not used are not counted. Air-conditioning units are an exception. Air conditioning is counted as present whether or not it is used. (See Air Conditioning.) Appliances loaned to the household for their regular use are included. Appliances temporarily not in working condition but generally used by the household are included only if a repair person has been called or the appliance has been taken to a repair shop. "Swimming pool heater" applies only to swimming pools that are for the exclusive use of the housing unit. Swimming pools in apartment buildings, condominiums, or cooperatives that are for the use of many resident households are not included. Ponds, hot tubs, jacuzzis, or childrens wading pools are not swimming pools. "Oven" includes microwave and convection ovens, but does not include toaster ovens. "An evaporative cooler (swamp cooler)" is an air-cooling unit that turns air into moist, cool air by saturating the air with water vapor. (See also Refrigerators.)

April 1982 through March 1983: The annual consumption period is a 365-day period beginning as close as possible to April 1, 1982. For natural gas and electricity, the actual beginning date for a household may vary from April 1 in either direction by several weeks depending on that household's billing cycle. For fuel oil or kerosene and LPG, the beginning date is always April 1, but the amounts represent deliveries received by the household during the 365-day period, not gallons consumed. The expenditures for fuel oil or kerosene and LPG represent expenditures for the amount of fuel delivered to the home, not the amount of fuels consumed. (See Consumed.)

Availability of Natural Gas in the Neighborhood: Respondents who did not use natural gas answered "yes," "no," or "don't know" to the question, "Is gas from underground pipes available in this neighborhood?" Respondents were not provided with a definition of "available" or "neighborhood," so some variation is expected in what these concepts

mean to each respondent. The intent of this question is to determine whether a household could hook up to a gas line. This question was asked only of households living in single-family or mobile homes in the 1980 RECS. In subsequent surveys, this question was asked of all households.

Basement: An enclosed space in which a person can walk upright under all or part of the building. A "crawl space" is the space between the ground and the floor of a house. An "enclosed" crawl space is one not accessible from the outside of the house because the walls of the space protect it from the weather. A crawl space "open to the outside" is accessible from outside the house even though it may be covered by a trellis or lathwork, or some kind of brickwork that leaves space for circulation of air.

Bathroom: A "complete" bathroom has a flush toilet, a bathtub or shower, and a sink or washbasin with running water. A "half-bath" has a flush toilet or a bathtub or shower but does not have all the facilities for a complete bathroom.

Billing Period: The time between meter readings. It does not refer to the time the bill was sent or when the payment was to have been received. In some cases, the billing period is the same as the billing cycle that corresponds closely (within several days) to meter-reading dates. For fuel oil and LPG, the billing period is the number of days between fuel deliveries.

Btu (British Thermal Units): A Btu is the amount of energy required to raise the temperature of 1 pound of water 1 degree Fahrenheit at or near 39.2 degrees Fahrenheit and 1 atmosphere of pressure. One Btu is about equal to the heat given off by a blue-tip match.

Btu conversion factors for this survey are

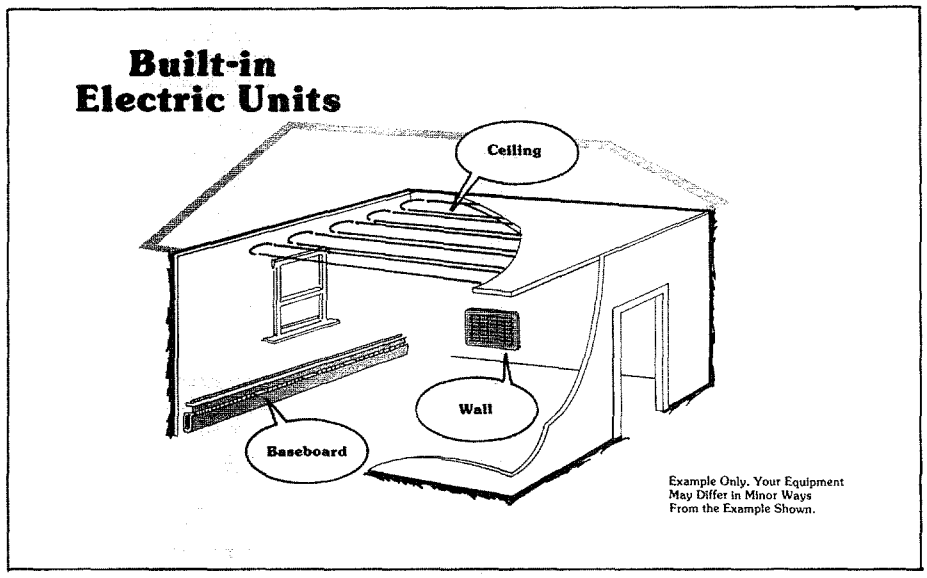
Electricity	3,412 Btu/kilowatt-hour
Natural Gas	1,027 Btu/cubic foot
Fuel Oil No. 1	135,000 Btu/gallon
Kerosene	135,000 Btu/gallon
Fuel Oil No. 2	138,690 Btu/gallon
LPG (propane)	21,540 Btu/pound
	91,330 Btu/gallon
	2,510 Btu/cubic foot
	88,640 Btu/cubic meter
Wood	20 million Btu/cord

Other conversion factors used include:

1 therm = 100,000 Btu
1 barrel = 42 gallons

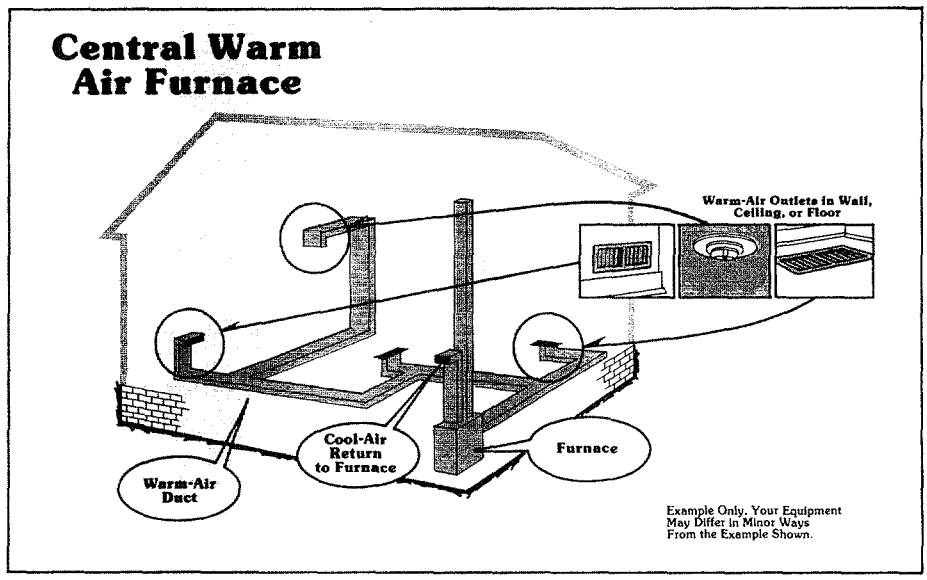
Almost all LPG reported by the fuel suppliers was propane. Hence, the LPG conversion factors are those for propane. See Wood Burned for discussion of the Btu value of wood.

Built-in Electric Units: Individual resistance electric heating units are permanently installed in the floors, walls, ceilings, or baseboards and are part of the electrical installation of the building. Electric heating devices that are plugged into an electric socket or outlet are not considered built in.



Central System for the Building: A central system serving one or more buildings of two or more housing units each that is used for main heating, water heating, or air conditioning. A system that is for the respondent's living quarters only is not a central system for the building.

Central Warm-Air Furnace: A central furnace providing warm air through ducts leading to the various rooms. Heat pumps are not included in this category. A "forced-air" furnace is one in which a fan is used to force the air through the ducts. In a "gravity" furnace, air is circulated by gravity. The warm air rises through ducts and the cold air falls through ducts that return it to the furnace to be reheated. This completes the circulation cycle.



Glossary (Continued)

Conservation Items Added: Energy-saving items added to the housing unit the household now occupies. Items added to a previous place of residence and changes made by previous occupants of the housing unit are not counted. Changes made by a landlord are counted.

"Automatic or clock thermostat" is a thermostat that can be set to turn the heating system off and on at certain preset times.

"Flame-retention head burner for furnace (fuel oil)" is a device that controls the pattern of flame in the combustion chamber of a boiler or furnace.

"Automatic flue door (vent damper)" automatically closes the flue when the furnace goes off, preventing heat loss up the chimney.

"Electrical or mechanical furnace ignition system (spark ignition)" added to the furnace means that fuel will ignite from an electrically or mechanically produced spark rather than from a pilot light that burns continuously.

"Insulation around heating and/or cooling ducts" is extra insulation around the heating and/or cooling ducts to reduce the loss of hot or cold air as it travels to different parts of the residence.

"Insulation around the hot water and/or cooling pipes" is wrapping hot water and/or cooling pipes with insulation to reduce the heat or cold loss through the pipes.

"Insulation around hot water heater" is blanket insulation wrapped around the hot water heater to reduce heat loss. This is in addition to any insulation provided by the manufacturer.

"Closeable shutters, insulating drapes, reflective film" are counted if any one of these has been added to any door or window in the housing unit. Shutters that close to provide an insulating effect are counted as well as insulated roller shades or "window quilts" whose sides ride in a channel attached to the window frame. Decorative shutters that do not close are not counted.

"Plastic sheets" may be used to cover a window or other opening in the housing unit in an attempt to reduce heat loss.

"Caulking around any windows or doors to the outside" usually comes in a tube and is clay-like in that it can be molded into the space being treated. It is used to prevent drafts from coming into the house through cracks around the frames of windows or doors or cracks in other stationary parts of the house. Caulking could have been applied to the inside or outside of the home.

"Weather stripping around any windows or doors to the outside" can be applied on the inside or outside of the home. Weather stripping comes in strips or rolls of metal, vinyl, or foam rubber. It is used to prevent drafts from coming into the house around movable parts of the door or window.

Consumed: Is the amount of electricity or natural gas used by the household during the 365-day period. For fuel oil, kerosene, and LPG, the quantity represents fuel purchased, not fuel consumed. If the level of fuel in the tank was the same at the beginning and end of the annual period, then the quantity consumed would be the same as the quantity purchased. Measurements or reports of the level of fuel in the tank were not included in the data collection.

Glossary (Continued)

Cooling Degree-Days: Refers to the number of degrees per day the daily average temperature is above 65 degrees Fahrenheit. Normally, cooling is not required in a building when the outdoor average daily temperature is below 65 degrees. Cooling degree-days are determined by subtracting the base of 65 from the daily average temperature. For example, a day with an average temperature of 85 degrees has 20 cooling degree-days (85-65 = 20), while one with an average temperature of 65 degrees or lower has none. The average daily temperature is the mean of the maximum and minimum temperatures for a 24-hour period. The cooling degree-days for RECS households in the 48 States and the District of Columbia were assigned according to the NOAA division in which each household was located (See NOAA Division). Cooling degree-day totals for Alaskan and Hawaiian households were assigned by appropriate nearby weather stations.

Doors: (Outside doors) go from a heated area to the outside or to an unheated area, such as a porch or garage. Doors to a heated hallway in an apartment building, doors permanently sealed shut, and doors to an unheated attic or basement were not counted because these doors are not usually fitted with storm doors. The NIECS survey counted doors to an unheated attic or basement, but this rule was not followed in the RECS survey. Double doors were counted as one door. A pair of sliding glass doors was counted as one door in this survey. A pair of sliding glass doors was counted as two doors in the NIECS survey. "Standard" doors include doors with and without glass panels.

Electricity: See Fuels.

Electricity Paid by Household: The household paid directly to the electric utility company for all household uses of electricity, such as for water heating, space heating, air conditioning, cooking, lighting, and operating other appliances. (See Fuels.)

Estimated Bills: Are calculated by the fuel supplier when the meter is not read. The estimate may be based on one or more of the following factors: past usage, usage by similar households, and weather data.

Expenditures: Refers to the cost for electricity or natural gas consumed during the 365-day period. Expenditures include State and local taxes, but exclude merchandise, repairs, or special service charges. For households on a budget plan, the expenditures are for the actual consumption. Fuel oil, kerosene, and LPG expenditures are for the amount of fuel purchased, which may differ from the amount of fuel consumed (see Consumed). For households that do not pay directly to their fuel supplier, the expenditures for fuels are estimated and included in the tables.

Expenditures as a Percentage of Income: Is determined by taking each household's energy expenditures and dividing it by the family's income. The median percentage is the percentage of income that is spent on energy for the middle household when households are listed according to the percentage they spend on energy. That is, 50 percent of the weighted households in the cell spend a lower percentage on energy than the median value.

The percentage of income spent on energy is overestimated because the calculation uses family income for the year 1981 but the energy expenditure data are for a later year, April 1982 through March 1983. For further discussion of this overestimate, see Appendix C, "Limitations of the Data."

Glossary (Continued)

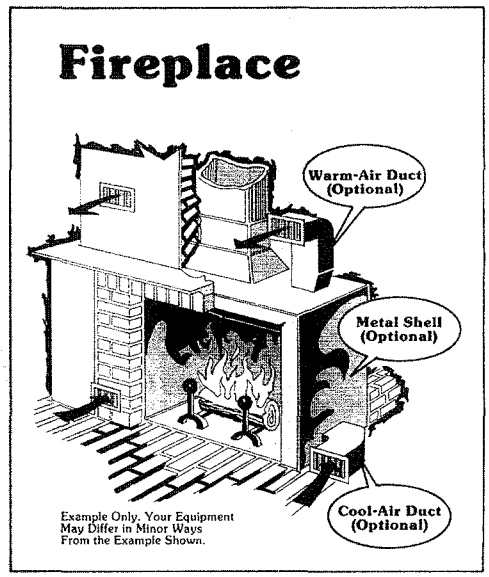
The reader should also be aware that the consumption and expenditures data include households that do not pay directly for the energy used. For 18 percent of the households in 1982, the cost of one or more fuels is included in a tenant's rent or paid by someone outside of the household.

Family Income: Is the total combined income in 1981 of all members of the family from all sources before taxes and deductions. It includes wages, salaries, tips, commissions, and income from Social Security, pensions, interest, dividends, rent, public assistance, and unemployment insurance. This includes the total income for all family members who lived in the household in 1981, regardless of whether they were living there at the time of the interview. Income of nonfamily members of the household is not included. "Family" includes the following types of relationships: mother, father, sister, brother, son, daughter, father-in-law, uncle, aunt, niece, grandchild, foster child, and similar relationships.

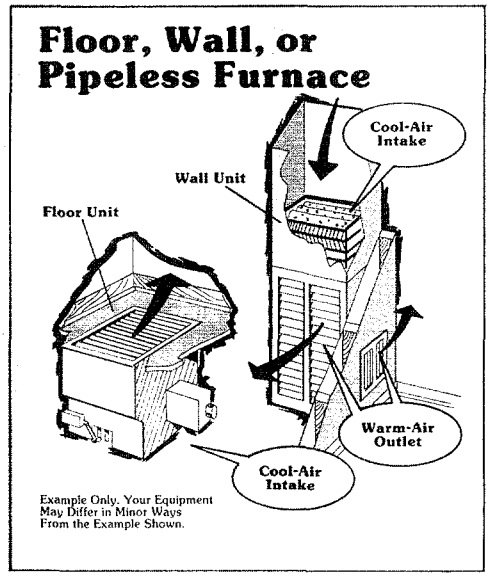
Federal Regions: The States are divided into 10 groups as follows (These regions are not to be confused with Census regions shown on the map in Appendix F):

Region	States
1	Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut
2	New York, New Jersey
3	Delaware, Pennsylvania, Maryland, Virginia, West Virginia, District of Columbia
4	Kentucky, Tennessee, North Carolina, South Carolina, Georgia, Alabama, Mississippi, Florida
5	Ohio, Indiana, Illinois, Michigan, Wisconsin, Minnesota
6	Louisiana, Arkansas, Texas, Oklahoma, New Mexico
7	Missouri, Iowa, Nebraska, Kansas
8	Colorado, Utah, North Dakota, South Dakota, Wyoming, Montana
9	Hawaii, Arizona, California, Nevada
10	Alaska, Idaho, Oregon, Washington.

Fireplace: Is usually a masonry unit, built into the wall of a house. Fireplaces in mobile homes are included. A fireplace must have a permanent chimney. A freestanding fireplace that can be detached from its chimney is a heating stove. A fireplace insert is classified as a fireplace.



Floor, Wall, or Pipeless Furnace: A "floor furnace" is located below the floor and delivers heated air to the room immediately above or, if under a partition, to the room on each side. A "wall furnace" is installed in a partition or in an outside wall and delivers heated air to the rooms on one or both sides of the wall. A "pipeless furnace" is installed in a basement and delivers heated air through a large register in the floor of the room or hallway immediately above.



Glossary (Continued)

Fuel: Refers to the primary fuels delivered to the residential site. It may be converted at the site to some other energy form. "Electricity" is included in this report as a fuel.

"Coal" includes coke.

"Electricity" refers to metered electric power supplied by a central utility company to a residence via underground or aboveground power lines. It does not refer to electricity generated onsite for the exclusive use of the residence. In this case, the fuel used for the generator will be indicated. The Btu equivalent for electricity is the energy value of electricity as received by the household (3,412 Btu per kilowatt-hours). Electrical energy losses that occur in the generation and transmission of electricity are not included in the conversion of electricity into Btu for this report. If these losses were to be included, in general, the conversion rate would be about 10,353 Btu per kilowatt-hour.

"Fuel Oil" is No. 1, No. 2, or No. 4 grade fuel oil or residual oil that is burned for space- or water-heating purposes. No. 1 distillate fuel oil is a form of heating oil used mostly as a blending stock to assure that heavier grades of fuel flow under severe cold weather conditions. No. 2 distillate collectively refers to No. 2 heating oil and No. 2 diesel fuel. Although these products are not precisely identical, they are essentially interchangeable in most applications. No. 2 fuel oil is the most common form of heating oil. No. 4 distillate is a blend of No. 2 and No. 5 or No. 6 residual fuel oil used in large stationary diesel engines and boilers equipped with fuel preheating equipment. Residual fuel oil refers to the heavier oils that remain after the distillate fuel oils and lighter hydrocarbons are boiled off in refinery operations.

"Kerosene" refers to a distilled product of oil or coal with the generic name "kerosene." Kerosene is similar to No. 1 distillate fuel oil and is used for space heating or water heating or lighting equipment using wicks. It is sometimes sold under the names "range oil" or "stove oil."

"LPG or liquefied petroleum gas" refers to any fuel gas supplied to a residence in liquid form such as propane or butane. It is usually delivered by tank truck and stored near the residence in a tank or cylinder until used. Propane was the most common liquefied petroleum gas supplied to RECS households. Household use of LPG solely for outdoor gas grills is not considered sufficient use to mark the household as an LPG user.

"Natural gas" is utility gas supplied by underground pipeline to individual housing units by a central utility company. It does not refer to privately owned gas wells operated by the household.

"Solar collector" refers to active, thermal, concentrating collectors using either air or liquid as the working fluid. It does not refer to passive collection of solar thermal energy.

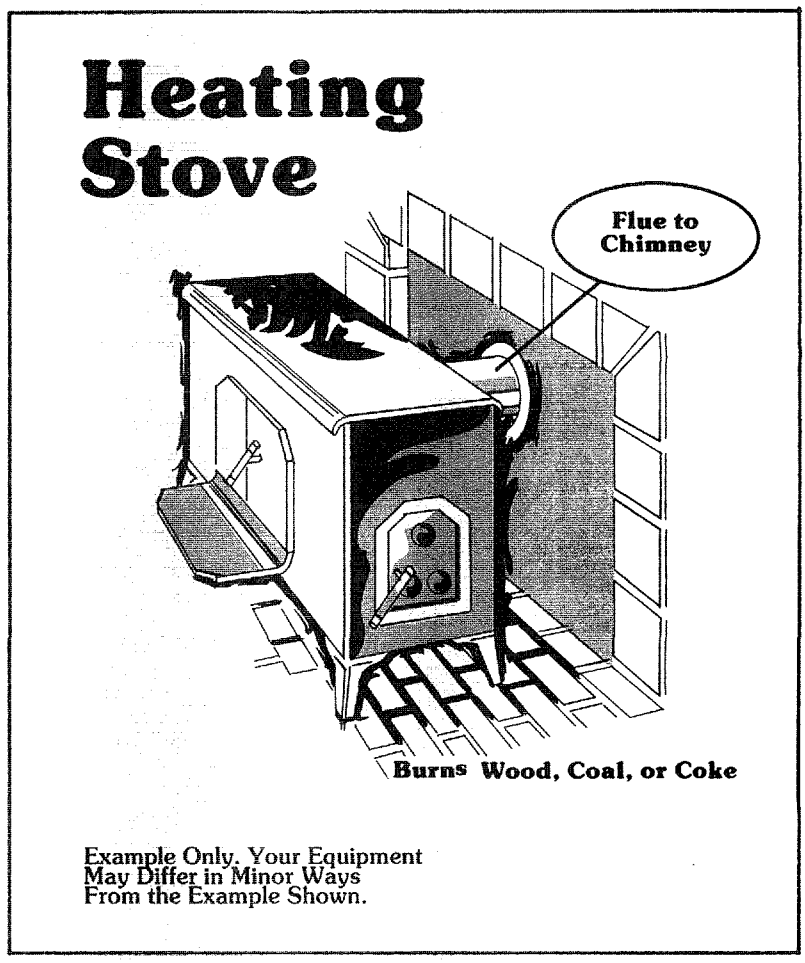
Fuel Oil Paid by Household: The household paid directly to the fuel supplier for all household uses of fuel oil or kerosene such as for space heating or water heating. (See Fuels.)

Gas Paid by Household: The household paid directly to the utility company for all household uses of natural gas such as for water heating, space heating, air conditioning, cooking, and operating appliances including outdoor gas lights. (See Fuels.)

Heating Degree-Days: The number of degrees per day the daily average temperature is below 65 degrees Fahrenheit. Normally, heating is not required in a building when the outdoor average daily temperature is above 65 degrees. Heating degree-days are determined by subtracting the average daily temperature below 65 degrees from the base 65. For example, a day with an average temperature of 50 degrees has 15 heating degree-days (65 - 50 = 15), while one with an average temperature of 65 or higher has none. The average daily temperature is the mean of the maximum and minimum temperature for a 24-hour period.

The heating degree-days for RECS households in the 48 States and the District of Columbia were assigned according to the NOAA division in which each household is located (See NOAA Division). Heating degree-days for Alaskan and Hawaiian households were assigned by appropriate nearby weather stations. See also Cooling Degree-Days.

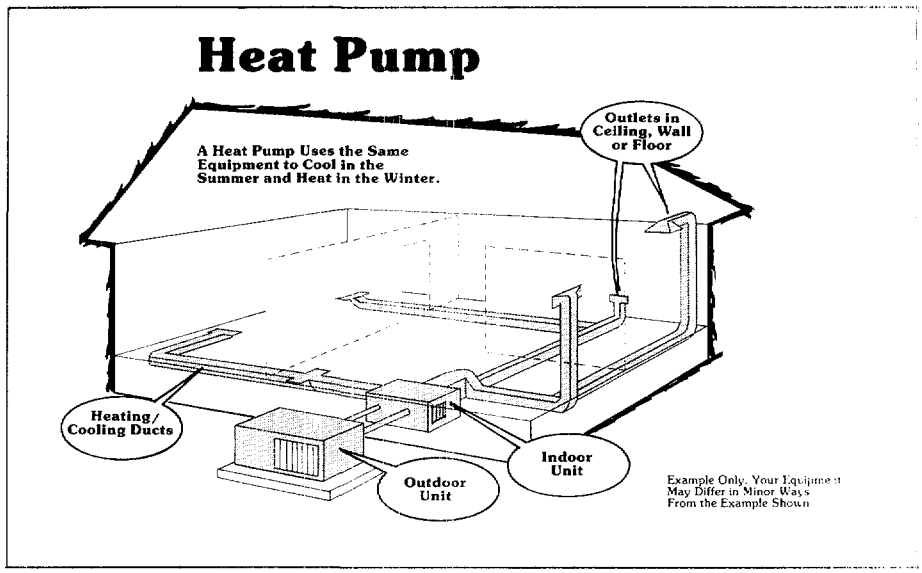
Heating Stove Burning Wood, Coal, and Coke: Any freestanding box or controlled draft stove or stove installed in the fireplace opening and using the chimney of the fireplace. Stoves are made of cast iron, sheet metal, or plate steel. Freestanding fireplaces that can be detached from their chimneys are considered heating stoves. "Airtight" stoves allow one to control the amount of air in the stove in order to regulate the rate of combustion. The doors fit tightly so that air can be controlled. Many air tight stoves have a gasket aroung the door of the stove. "Non-airtight" stoves do not have gaskets around their door openings.



Glossary (Continued)

Heat Pump (Reverse Cycle System): A year-round heating/air-conditioning system in which refrigeration equipment supplies both heating and cooling through ducts leading to individual rooms. It generally consists of a compressor, both indoor and outdoor coils, and a thermostat.

When the heat pump is attached to a central furnace, the heat pump is either the main or secondary heating equipment depending on how often the heat pump operates. If it operates for a short time and then the furnace comes on, the heat pump is secondary (or additional heating equipment). If the heat pump is sufficient to provide the desired warmth, the heat pump is the main heating equipment.



Hot-Deck Imputation: An imputation procedure used for item nonresponse in which the household file is sorted by variables related to the missing item. A household is then selected that has the same value on those variables, and this "donor" household supplies the value for the missing item. (See Imputation).

Household: Is a family, an individual, or a group of up to nine unrelated persons occupying the same housing unit. "Occupy" means the housing unit was the person's usual or permanent place of residence at the time of the first field contact. The household includes babies, lodgers, boarders, employed persons who live in the housing unit, and persons who usually live in the household, but are away traveling or in a hospital. The household does not include persons who are normally members of the household but who were away from home as college students or members of the armed forces at the time of the contact.

Glossary (Continued)

The household does not include persons temporarily visiting with the household if they have a place of residence elsewhere, persons who take their meals with the household but usually lodge or sleep elsewhere, domestic employees or other persons employed by the household who do not sleep in the same housing unit, or persons who are former members of the household, but have since become inmates of correction or penal institutions, mental institutions, homes for the aged or needy, homes or hospitals for the chronically ill or handicapped, nursing homes, convents or monasteries, or other places in which residents may remain for long periods of time. By definition, the count of households is the same as the count of occupied housing units.

Householder: The person (or one of the persons) in whose name the home is owned or rented. If there is no lease or similar agreement or if the person who owns the home or pays the rent does not live in the housing unit, the householder is the person responsible for paying the household bills or generally in charge.

Housing Structure: One of four structure types used to categorize the building in which the housing unit was located.

A "single-family housing unit" refers to a structure that provides living space for one household or family. The structure may be detached, attached on one side (semidetached), or attached on two sides. Attached houses are considered single-family houses as long as the house itself is not divided into more than one housing unit and has an independent, outside entrance. A single-family house is contained within walls that go from the basement to the roof.

A "house or building with two to four housing units" is divided into living quarters for two, three, or four families or households. This category also includes houses originally intended for occupancy by one family or for some other use that have since been converted to a separate dwelling for two to four families. Typical arrangements in these types of living quarters are separate apartments, downstairs and upstairs, or one apartment on each of three or four floors.

A "building with five or more housing units" refers to a building containing living quarters for five or more separate households or families.

A "mobile home or trailer" refers to a structure that has all the facilities of a dwelling unit, but is built on a movable chassis. It may be placed on a permanent or temporary foundation and contain one or more rooms. If additional rooms are added to the structure, it is still considered a mobile home.

Housing Unit: A structure or part of a structure where a household (family or individual) lives or could live. It has direct access from the outside of the building or through a common hall. Housing units do not include group quarters such as prisons, hospitals, dormitories, nursing homes, fraternity houses, or convents where 10 or more unrelated persons live. Hotel rooms, motel rooms, mobile homes, or trailers are considered housing units if occupied.

Imputation: Is a statistical method used to estimate the response to specific questions for which answers are missing. In general, it is a procedure for filling in missing data values.

Glossary (Continued)

Insulation: Refers to any material that, when placed between the interior of the dwelling and the outdoor environment, reduces the rate of heat loss to the environment or heat gain from the environment. The four forms of insulation, illustrated in a drawing shown to respondents, are listed below:

"Blankets or batts"--rolls or pieces of insulation that are nailed or stapled between the rafters or wall joists (beams). It is usually made of fiberglass or rock wool.

"Loose particles or loose fill"--loose insulation comes in a bag and is poured between joists (beams). Loose insulation can also be blown into open spaces. Loose fill can be glass fiber, rock-wool fibers, cellulose fiber, or vermiculite.

"Firm foam or firm plastic"--rigid boards (such as styrofoam) that can be cut to size and either edged, nailed, or glued into place.

"Sprayed-in foam" solidifies after being sprayed on a surface or poured into a cavity to be insulated.

"Floor insulation" is insulation between the bottom floor and the unheated basement or crawl space. Carpeting or carpeting pads are not insulation.

LPG Paid by Household: The household paid directly to the fuel supplier for all household uses of LPG such as for water heating, space heating, air conditioning, cooking (cooking on an outdoor grill is not counted), and operating appliances. (See Fuels.)

Main Cooking Fuel: Is the answer to the question: "Thinking of all the different kinds of cooking done here, including cooking in the oven, on a range, and with small appliances, which fuel is used most?"

Main Heating Equipment: (See description of specific heating equipment.) Main heating equipment, if temporarily out of order, is reported as the main heating equipment. If two types of heating equipment are used, the main equipment is the one used more. If both are used equally, the main equipment is the one that appears first on the list in the question.

Main Heating Fuel: The fuel mentioned by the respondent in response to the question: "What is the main fuel used for heating your home?

Major Fuels: Electricity, natural gas, fuel oil or kerosene and LPG. Although the Btu value of wood burned in the home is greater than the Btu value of LPG, wood is not included as a major fuel primarily because the wood data are not as high in quality as data for the other fuels. Also, expenditure data are not available for wood.

Master Metered: The method used by utility companies (e.g., electricity and natural gas) to measure the total volume of energy used by several individual customers collectively.

Median: A measure of central tendency, intended to express a "typical" value for an attribute. The median is different from the arithmetic average (mean) in that its value is not much influenced by extremes. For example, the mean number of cords of wood consumed per household would be affected by the inclusion of a few heavy users of wood, and would not express wood consumption for a "typical"

wood-using household. However, the median number of cords of wood consumed per household would not be so affected. Medians are computed by listing all values in ascending order. The value that divides the list in half is the median.

Metropolitan: A group of households located within Metropolitan Statistical Areas (MSA's) as defined in the 1980 Census. Except in New England, an MSA is a county or group of contiguous counties that contain at least one city of 50,000 inhabitants or more, or "twin cities" with a combined population of at least 50,000. The contiguous counties are included in an MSA if, according to certain criteria, they are essentially metropolitan in character and are socially and economically integrated with the central city. In New England, MSA's consist of towns and cities, rather than counties. "Non-Metropolitan" refers to households not located within MSA's as defined in the 1980 Census.

NIECS: The National Interim Energy Consumption Survey, the first developmental survey in the planned series of Residential Energy Consumption Surveys. The NIECS contacted 4,081 households in October and November 1978. Fuel suppliers provided data on consumption and expenditures for the period April 1978 through March 1979.

NOAA Division: One of the 344 weather divisions designated by the National Oceanic and Atmospheric Administration (NOAA) encompassing the 48 contiguous States. These divisions usually follow county borders to encompass counties with similar weather conditions. The NOAA division does not follow county borders when weather conditions vary considerably within a county such as is likely to happen when the county borders the ocean or contains high mountains. A State contains an average of seven NOAA divisions; a NOAA division contains an average of nine counties.

Number of Rooms: Whole rooms are rooms such as living rooms, dining rooms, bedrooms, kitchens, lodger's rooms, finished basements or attic rooms, recreation rooms, and permanently enclosed sun porches that are used year-round. Rooms used for offices by a person living in the unit are included in this survey. Finished means that the ceiling and walls are covered with finishing materials.

Bathrooms, halls, foyers or vestibules, balconies, closets, alcoves, pantries, strip or pullman kitchens, laundry or furnace rooms, unfinished attics or basements, open porches, and unfinished space used for storage are not included.

A partially divided room, such as a dinette next to a kitchen or a living room, is a separate room only if there is a partition from floor to ceiling, but not if the partition consists solely of shelves or cabinets. If a room is used by occupants of more than one unit, the room is included with the unit from which it is most easily reached.

Occupied Housing Unit: A unit someone was living in as his or her usual or permanent place of residence at the time of the first field contact.

Origin: Each respondent was asked, "Which of the groups on this exhibit best describes (HOUSEHOLDER)?" The groups included white, black or Negro, American Indian, Alaskan native, Asian, Pacific Islander. The word "race" was not used in either the questionnaire or the instructions.

Glossary (Continued)

Owner/Renter: Own/rent refers to the structure itself, not the land on which it is located. The household is classified "renter" even if the rent is paid by someone not living in the unit. "Rent free" means the unit is not owned or being bought and no money is paid or contracted for rent. Such units are usually provided in exchange for services rendered or as an allowance or favor from a relative or friend not living in the unit. "Rent free" also includes occupants who pay only for utilities. Unless shown separately, "rent free" households are grouped together with "renters."

Poverty: "Below 100 Percent of Poverty" defines a group of households with incomes below the poverty level defined by the Bureau of the Census. "Below 125 Percent of Poverty" defines a group of households with incomes below 125 percent of the poverty level. This group of the poor and near poor represents an alternative level for defining poverty. The definitions of poor are based on the number of family members in the household and family income.

Because income data were collected by using categories of income (for example, $3,000 to $3,999), an exact match of Census thresholds could not be made. Furthermore, underreporting of income is a problem in surveys of this type (cf. reference in Table G1). Underreporting may be a greater problem in the RECS survey which measures income by one question. In comparson the Current Population Survey (CPS) collects data on individual household members by source of income. The CPS estimate for households below 100 percent of poverty was 11.677 million for March 1982. The RECS estimate was 12.096 million poor households (below 100 percent of poverty). This difference may be due in part to greater underreporting of income in RECS, but on the other hand, could be accounted for entirely by sampling error.

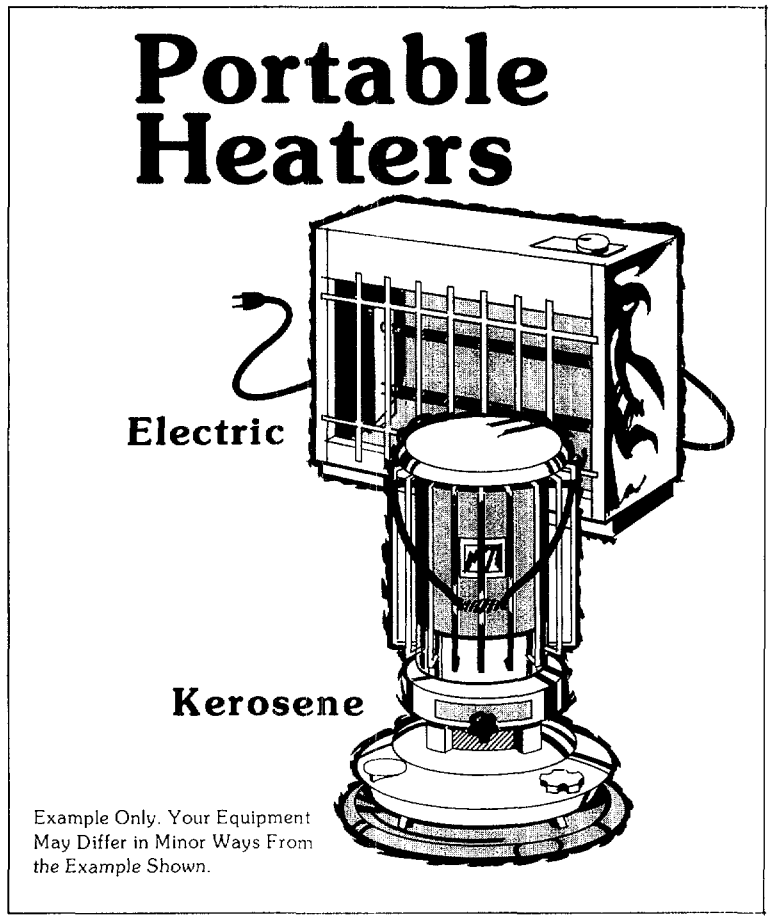
Glossary (Continued)

Table G1. Definition of Poverty

Number of Persons per Family	Below 100 Percent of Poverty: 1981 RECS Income Range Less Than:	Below 100 Percent of Poverty: Census Threshold[a]	Below 125 Percent of Poverty: 1981 RECS Income Range Less Than:	Below 125 Percent of Poverty: 125 Percent Threshold
1				
Respondent is under 65	$5,000	$4,729	$6,000	$5,911
Respondent is over 64	$4,000	$4,359	$5,000	$5,449
2				
Householder is under 65	$6,000	$6,111	$8,000	$7,639
Householder is over 64	$5,000	$5,498	$7,000	$6,873
3	$7,000	$7,250	$9,000	$9,063
4	$9,000	$9,287	$12,000	$11,609
5	$11,000	$11,007	$14,000	$13,759
6	$12,000	$12,449	$15,000	$15,561
7	$14,000	$14,110	$17,500	$17,638
8	$15,000	$15,655	$20,000	$19,569
9	$17,500	$18,572	$22,500	$23,215

[a]Figures from the U.S. Bureau of the Census, Money Income and Poverty Status of Families and Persons in the United States: 1981 (Advance Data from the March 1982 Current Population Survey). (Current Population Reports, Series P-60, No. 134) (July 1982, Table A1, 31).
Source: Energy Information Administration, 1982 Residential Energy Consumption Survey.

Portable Electric Heater(s): Heaters that can be picked up and moved.



Portable Kerosene Heater(s): Heaters that can be picked up and moved.

Quadrillion: Equals 1,000,000,000,000,000 or 10^{15}.

Race: See Origin.

Receive Assistance for Heating in Winter: Indicates the household received assistance from the Low-Income Home Energy Assistance Program (LIHEAP) during the Fiscal Year 1983 that began in October 1982 and ended September 1983. The purpose of the program was to provide assistance to low-income households to offset the rising costs of home energy that are excessive in relation to household income. The most recent report on the program is found in U.S. Department of Health and Human Services, Low-Income Home Energy Assistance Program: Report to Congress for Fiscal Year 1982, November 1, 1983. Copies are available from:

Office of Family Assistance
Welfare Management Institute
Transpoint Building
2100 Second Street, S.W.
Washington, D.C. 20201

Glossary (Continued)

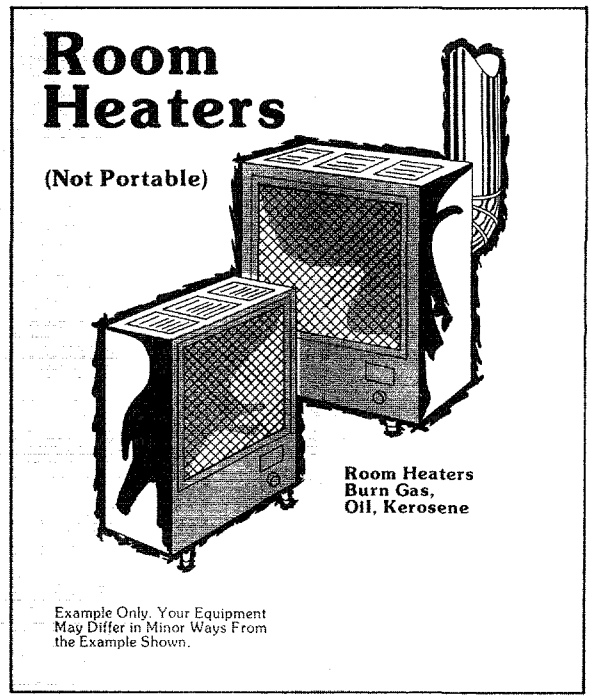
Note: There is a basic incongruity of time periods that the readers should note. Recipients of LIHEAP were identified in this survey for the period October 1982 through September 1983. The fuel bills for these households, however, were for a somewhat earlier period--April 1982 through March 1983 although both time periods covered essentially the same 1982-1983 winter. Family income, on the other hand, covers the calendar year 1981. For an estimate of how these different time periods affect the figures on percentage of income spent on home energy, see Appendix C, "Limitations of the Data."

Residential: Refers to occupied housing units including mobile homes, single-family housing units (attached and detached), and apartments. The definition of housing units is the same as that used by the U.S. Bureau of the Census. (See Household and Housing Unit for further definition.)

Rooms: (See Number of Rooms.)

Refrigerators: With no freezer sections are included in the non-frost-free category. "Frost-free" means that frost does not build up on the insides of the freezer section or ice cube section.

Room Heaters Burning Gas, Oil, Kerosene: Are circulating heaters, convectors, radiant gas heaters, space heaters, or other nonportable room heaters that may or may not be connected to a flue, vent, or chimney.



Screener Survey: The Residential Energy Consumption Survey that contacted 4,033 households in October and November 1979. Fuel suppliers provided data on consumption and expenditures for the period April 1979 through March 1980. This survey was named the Household Screener Survey because it was used to screen households for participation in the Household Transportation Panel.

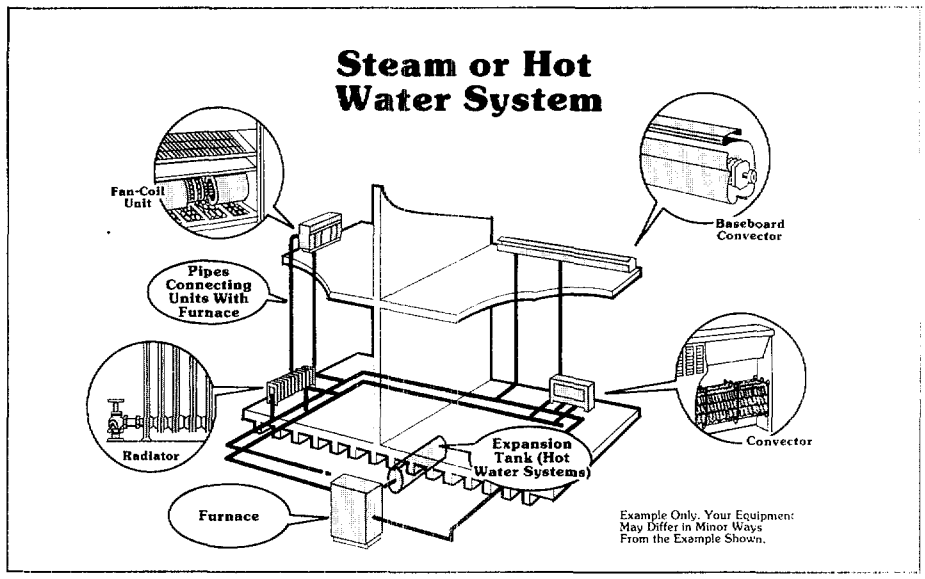
Glossary (Continued)

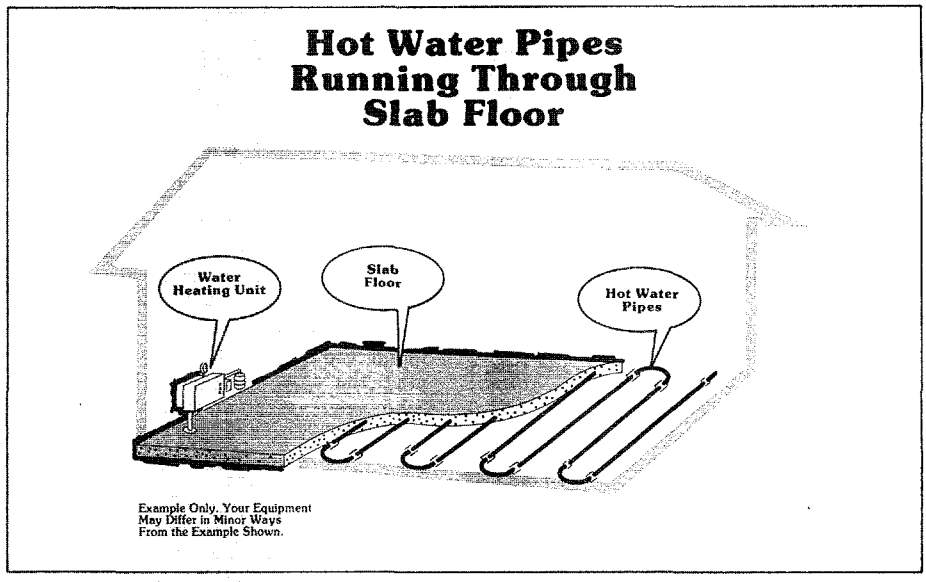
Secondary Heating Equipment: Equipment used in addition to the main equipment. Description of the secondary heating equipment is the same as for the main heating equipment.

Square Feet: The floor area of the housing unit that is enclosed from the weather. Basements are included whether or not they contain finished space. Garages are included if they have a wall in common with the house. Attics that have finished space and attics that have some heated space are included. Crawl spaces are not included even if they are enclosed from the weather. Sheds and other buildings that are not attached to the house are not included. "Measured" square feet means that the measurement of the dimensions of the home did not rely on the respondent's reports but was an actual measurement by the interviewer using a metallic, retractable, 50-foot tape measure. For details on how the measurement was made and how the data were treated, see Appendix B. For information on the reliability of the measurements, see Appendix C.

"Heated square feet" are that portion of the measured square feet that is heated during most of the season. Rooms that are shut off during the heating season to save on fuel use are not counted as heated square footage. Attached garages that are unheated and unheated areas in basements and attics are not counted as heated square feet.

Steam or Hot Water System with Radiators or Convectors: A central heating system supplying steam or hot water to conventional radiators, baseboard radiators, heating pipes embedded in the walls or ceilings, or heating coils or equipment that are part of a combined heating/ventilating or heating/air-conditioning system. This category also includes radiant heating through hot water pipes inlaid in a concrete, slab floor.





Storm Doors and Windows: Storm doors made of double or insulating glass such as thermopane. Glass or plexiglass placed over a sliding glass door on either the exterior or interior is counted as a storm door. A plastic sheet covering the door is not counted as a storm door.

Storm windows are made of double or insulating glass, such as thermopane. Glass or plexiglass placed over windows on either the interior or exterior side are counted as storm windows. Plastic sheets covering windows are not counted only if they can be used year after year.

Note: Responses of "don't know" for storm doors, windows, and/or attic insulation were treated the same as "do not have." For example, a respondent who indicated that his or her house had storm windows (some or all) and storm doors (some or all), but who did not know if it had attic insulation, was counted in the "have one or two of these" category.

Utilities Paid by Household: Fuel suppliers or utility companies paid directly for all electricity, natural gas, fuel oil, kerosene, or liquefied petroleum gas used by the household. Households paying directly to the utility company were classified in this survey as "all paid." Households that paid directly for at least one but not all their fuels used and had at least one fuel charge included in their rent were classified as "some paid, some included in rent." Households in which all fuels used were included in their rent were classified as "all included in rent." Some households were classified as "other" if they did not fall into any of those three categories.

Glossary (Continued)

Included are households for which fuel bills were paid by a department of social services or a relative and households that paid for some of their fuels used but paid for other fuels through some other arrangement.

Vacant Housing Unit: A housing unit not occupied at the time of the first field contact. An occupied seasonal or migratory housing unit is classified as vacant at the time of the first field contact when all persons had a usual place of residence elsewhere.

Vehicles: Are all motorized vehicles used by U.S. households for personal transportation excluding motorcycles, mopeds, large trucks, and buses. They include automobiles, station wagons, passenger vans, cargo vans, motor homes, pickup trucks, jeeps, or similar vehicles owned (being bought) by one or more members of the household. Vehicles also include company cars, pickup trucks, taxicabs, and other motorized vehicles that are not owned by household members but which are regularly available to household members for their personal use and ordinarily kept at home. Cars rented or leased for one month or more are included.

Not included are motorized vehicles used solely for business purposes, such as police cars or other Government-owned vehicles. Dismantled or dilapidated vehicles in an early stage of being junked or immobile vehicles used only as a source of power for some pieces of machinery are not included. Vehicles used primarily for competition or display purposes such as racing cars, stock cars, or antique cars not used as passenger automobiles are not included. Vehicles kept by students who live away at school or kept by persons who reside on military bases or similar institutional settings are not included.

Water-Heating Fuel: The answer to the question, "Which fuel is used most for heating water?" The phrase "other than just for cooking purposes" was added to the question in the 1982 RECS to clarify that the use for hot water is for bathing and washing. Households that did not have running water in their home were also asked this question.

The hot water may have been available anywhere in the same building as the respondent's living quarters. This may have been in a hallway, in a room used by several units in the building, in the basement, or in an enclosed porch, provided the respondent's household had access to it.

Windows: All windows in the year-round living space. Windows in the basement, attic, garage, and porch are counted only if these areas are heated. Windows in doors are not counted. Each window that opens separately is counted as one window. Windows fixed in place are also counted. Panes of glass in a large window are not counted individually unless they open separately. Skylights and stained-glass windows are counted as windows.

Wood Consumed: Amount of wood burned in a fireplace, stove, or furnace in the home at any time during the 1982-1983 winter based on reports by the respondent at the time of the interview. The following values were assigned to respondent answers:

A few logs or scraps of wood	0.1 cord
1/4 to 1/3 of a cord	0.3 cord
1/2 cord (about one pick-up truck of wood)	0.5 cord
Over 1/2 cord but less than a full cord	0.7 cord

Glossary (Continued)

Converting cords of wood into a Btu equivalent is an imprecise exercise. The number of cords burned by each household is imprecise, as the estimate requires the respondent to sum up the use of wood over a 12-month period during which time wood may have been added to the supply as well as removed. In addition to the recall errors inherent in this task, the estimates are subject to problems in definition and perception of what a cord is. The nominal cord as delivered to a suburban residential buyer may differ from the dimensions of the standard cord. This can occur because wood is most often cut between the length that makes a third of a cord (16 inches) and a half a cord (24 inches).

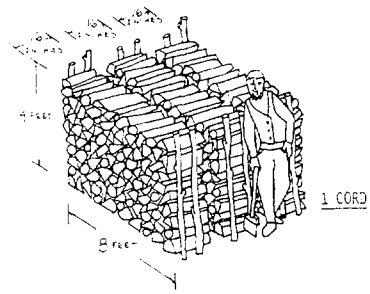
In other cases, wood is bought or cut in unusual units (e.g., pickup truck load or trunk load). Finally, volume estimates are difficult to make when the wood is not stacked up but is left in a pile.

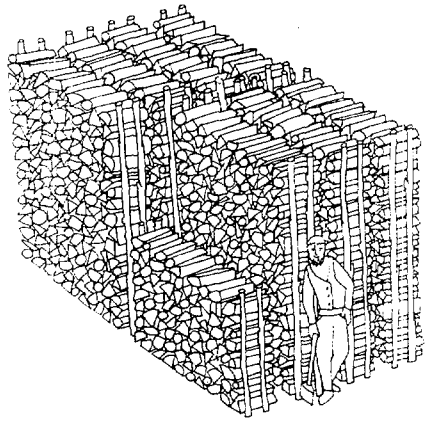
Other factors that make it difficult to estimate the Btu value of the wood burned is that the amount of empty space between the stacked logs may vary from 12 to 40 percent of the volume. The moisture content may vary from 20 percent in dried wood to 50 percent in green wood. Moisture reduces the useful Btu output because energy is used to drive off the moisture. Finally, some tree species contain twice the Btu content of species with the lowest Btu value. Generally, hardwoods have greater Btu value than softwoods. Wood was converted to Btu at the rate of 20 million Btu per cord, which is a rough average taking all these factors into account.

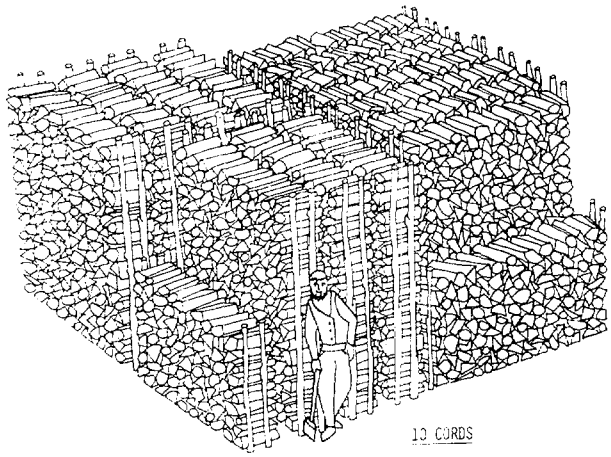
Glossary (Continued)

A "cord" measures 4 feet by 4 feet by 8 feet and is approximately 128 cubic feet. A third of a cord measures 16 inches by 4 feet by 8 feet.

More detailed and accurate drawings of wood piles were used for the first time in the 1982 RECS. The drawings were more correct in perspective, contained a person and holding an ax as a point of reference, and showed wood piles containing 5 and 10 cords. The purpose of these improvements was to enable respondents to be more accurate in reporting the amount of wood they burned especially those households burning more than 5 cords of wood. A copy of the drawings for 1, 5, and 10 cords is reproduced below.







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