

DOE/EIA-0321/2

Residential Energy
Consumption Survey:

Energy Information Administration
Washington, D.C.

June 1983

Consumption and Expenditures- April 1980 Through March 1981



Part 2:
Regional Data

Rec 51



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Residential Energy
Consumption Survey:

Consumption and Expenditures- April 1980 Through March 1981



Part 2:
Regional Data

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Energy Information Administration
Office of Energy Markets and End Use
U.S. Department of Energy
Washington, D.C. 20585

DOE/EIA-0321/2
Dist. Category UC-98

June 1983



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The data collection agent for this document was Response Analysis Corporation. The tabulations were programmed by Social & Scientific Systems, Incorporated.

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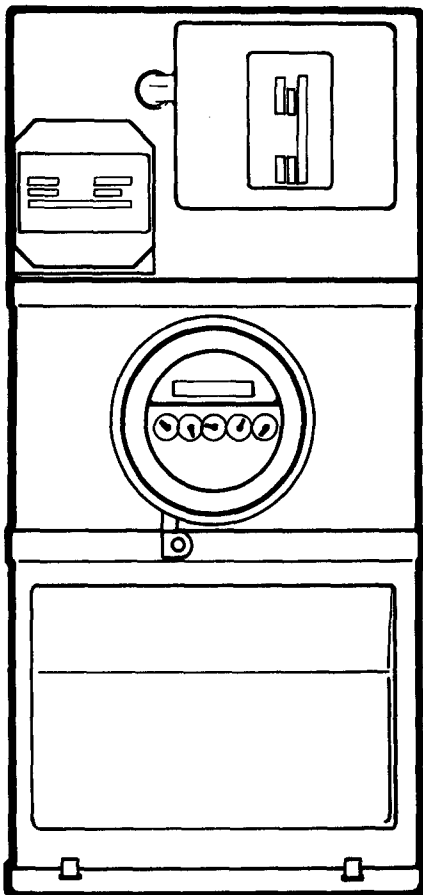
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Summary of Findings

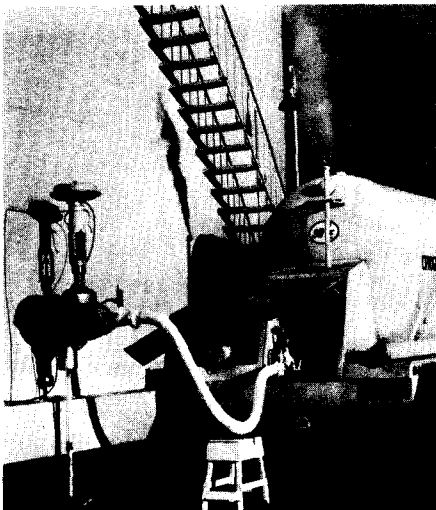
Introduction

This is the third report on the 1980 Residential Energy Consumption Survey, which covers the period April 1980 through March 1981. It contains regional data on residential energy consumption and expenditures in the United States. Previous reports include Residential Energy Consumption Survey: Housing Characteristics, 1980, and Residential Energy Consumption Survey: Consumption and Expenditures, April 1980 Through March 1981, Part 1: National Data.

The 1980 survey is the latest in a series of surveys of residential energy use. The series provides a detailed 3-year record of residential energy use patterns for 1978, 1979, and 1980. Each survey is based on a different sample of households.

This report contains data for the 4 Census regions and the 9 Census divisions. Total and average consumption and expenditures of total and specific fuels are classified by significant energy-related characteristics of the household.

The previous report which covered the entire United States showed that both total and average consumption had fallen from 1978 through 1980 even though the number of households continued to increase. Total and average expenditures rose during the same period. The consumption and expenditures for specific fuels varied with only natural gas showing a persistent decline each year in average consumption while fuel oil had the largest increase in average expenditures. The regional tables which follow identify the type and quantity of energy consumption and expenditures in different parts of the Nation in 1980. In particular, it is interesting to note the differences, if any, within a region as well as between regions. For example, the Western region consists of two divisions, Mountain and Pacific, which are markedly different from one another in terms of consumption, expenditures, and other energy-related characteristics. In addition, each of the 4 Census regions contains 3 to 5 weather zones with diverse weather conditions which play an important role in a household's energy consumption and expenditures.



Due to the quantity of information contained in the following tables, a selection of summary figures is presented to give the reader an overview of trends across geographical regions and weather zones. All the data shown in the figures are presented in the tables as well. Tables 1-3 present summary total and average consumption and expenditures for all fuels and for specific fuels. Tables 4-7 address each fuel individually and show consumption and expenditure data for all households using a particular fuel, and for households using the fuel as their main heating fuel. These fuels include natural gas, electricity, fuel oil and kerosene, and liquid petroleum gas (LPG). Tables 1-7 are presented for the United States as a whole, for the 4 Census regions, and for the 9 Census divisions. Table 8 presents consumption and expenditure data for wood, which, in 1980, replaced LPG as the fourth most-used main heating fuel in the Nation. Due to statistical limitations, the wood data are presented only for the United States and the 4 Census regions.

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Energy Information Administration

**Consumption and Expenditures - April 1980
Through March 1981
Energy Information Administration**

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**Consumption and Expenditures - April 1980
Through March 1981
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Total Residential Consumption and Expenditures

Table 1. U.S. Total Residential Energy Consumption and Expenditures—April 1980 Through March 1981, United States

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUID 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.....	81.6	9.32	74.8	4.94	19.3	2.46	40.1	1.55	12.5	0.36	2.9
AREA TYPE											
URBAN.....	56.0	6.75	50.3	4.18	16.5	1.47	24.9	1.06	8.5	.04	.3
RURAL.....	25.6	2.57	24.5	.76	2.8	.99	15.3	.49	3.9	.32	2.5
SMSA STATUS											
SMSA.....	55.6	6.55	51.4	3.76	14.9	1.56	26.6	1.12	9.0	.10	.8
NON-SMSA.....	26.0	2.77	23.4	1.18	4.4	.90	13.6	.43	3.5	.26	2.0
UTILITIES PAID BY HOUSEHOLD											
ALL PAID BY HOUSEHOLD.....	69.3	8.12	65.2	4.34	16.6	2.28	36.6	1.15	9.2	.35	2.7
SOME, NONE, OTHER PAID BY HOUSEHOLD.....	12.4	1.20	9.6	.60	2.7	.18	3.6	.40	3.2	.02	.2
TYPE OF HOUSING STRUCTURE											
SINGLE FAMILY OR MOBILE HOME..	60.9	7.39	59.1	3.92	14.7	2.09	33.3	1.04	8.3	.35	2.7
2 OR MORE UNITS.....	20.7	1.93	15.7	1.02	4.6	.37	6.9	.51	4.1	.02	.1
NUMBER OF ROOMS											
1 TO 3.....	10.6	.77	6.5	.37	1.6	.17	3.0	.19	1.6	.04	.3
4 TO 5.....	35.1	3.54	28.2	1.88	7.3	.94	15.2	.54	4.3	.18	1.4
6 OR MORE.....	35.9	5.01	40.1	2.69	10.4	1.35	21.9	.82	6.6	.15	1.2
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED											
ALL.....	29.8	3.26	27.8	1.72	6.5	1.20	18.6	.24	1.9	.10	.8
SOME.....	16.9	2.17	17.4	1.14	4.7	.44	8.0	.53	4.3	.05	.4
NONE.....	34.9	3.90	29.6	2.08	8.1	.82	13.5	.78	6.3	.21	1.7
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)											
LESS THAN 1000.....	28.5	2.44	20.2	1.22	5.0	0.59	10.1	0.49	3.9	0.14	1.2
1,000 TO 1,999.....	34.0	3.93	31.4	2.15	8.3	1.10	17.6	.56	4.5	.13	1.0
2,000 OR MORE.....	19.1	2.94	23.2	1.58	6.0	.77	12.5	.51	4.0	.09	.7
YEAR HOUSE BUILT											
1939 OR EARLIER.....	23.3	3.08	22.9	1.71	6.9	.50	9.1	.74	6.0	.12	.9
1940 TO 1959.....	21.2	2.56	19.3	1.47	5.6	.58	9.6	.45	3.6	.06	.5
1960 OR LATER.....	37.2	3.68	32.7	1.76	6.8	1.38	21.5	.36	2.9	.18	1.4
OWN/RENT											
OWN.....	54.3	6.79	54.6	3.58	13.7	1.89	30.3	1.03	8.3	.29	2.3
RENT.....	27.3	2.53	20.3	1.37	5.6	.57	9.8	.52	4.2	.07	.6
1979 FAMILY INCOME											
LESS THAN \$10,000.....	24.2	2.46	19.0	1.30	5.2	.53	8.8	.51	4.1	.11	.9
\$10,000 TO \$19,999.....	25.7	2.74	22.3	1.42	5.6	.73	11.9	.47	3.7	.12	1.0
\$20,000 TO \$34,999.....	22.3	2.77	22.2	1.51	5.8	.79	12.6	.39	3.1	.09	.7
\$35,000 OR MORE.....	9.4	1.35	11.4	.72	2.7	.41	6.9	.19	1.5	.04	.3
TOTAL POOR (100 PERCENT LEVEL)..											
TOTAL POOR (125 PERCENT LEVEL)..	10.9	1.14	8.7	.65	2.6	.25	4.2	.19	1.5	.05	.4
	14.8	1.55	11.9	.85	3.4	.34	5.6	.30	2.4	.07	.6
AGE OF HOUSEHOLD HEAD											
UNDER 35 YEARS.....	26.8	2.64	21.4	1.43	5.6	.75	12.1	.35	2.8	.11	.9
35 TO 59 YEARS.....	33.0	4.23	34.3	2.26	8.8	1.16	19.0	.66	5.3	.15	1.2
60 YEARS AND OVER.....	21.8	2.45	19.1	1.25	4.9	.55	9.0	.55	4.4	.10	.8
HOUSEHOLD MEMBERS											
1.....	15.7	1.36	10.8	.69	2.8	.30	5.0	.32	2.5	.05	.4
2.....	26.8	2.88	22.9	1.49	5.8	.73	11.9	.54	4.3	.11	.9
3 OR MORE.....	39.1	5.08	41.1	2.75	10.7	1.43	23.2	.70	5.6	.20	1.6

SEE FOOTNOTES AT END OF TABLE.



Total Residential Consumption and Expenditures

Table 1. (Continued)
United States

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUID 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.....	44.6	5.84	36.3	4.77	18.2	1.05	18.0	0.01	0.1	Q	Q
ELECTRICITY.....	14.3	.86	11.4	.05	.2	.79	11.0	.01	Q	0.01	0.1
FUEL OIL.....	12.6	1.85	18.5	.09	.7	.30	6.0	1.45	11.6	.02	.2
OTHER.....	10.2	.77	8.6	.03	.1	.31	5.1	.09	.7	.34	2.6
HOT WATER FUEL											
NATURAL GAS.....	44.1	5.75	36.4	4.59	17.5	1.01	17.6	.15	1.2	Q	Q
ELECTRICITY.....	26.1	2.08	23.3	.30	1.3	1.23	17.6	.43	3.5	.12	1.0
FUEL OIL.....	7.0	1.08	10.9	.04	.5	.12	3.0	.92	7.4	Q	Q
OTHER.....	4.4	.41	4.3	.01	Q	.11	1.9	.05	.4	.24	1.9
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE											
<2,000 CDD AND >7,000 HDD.....	8.5	1.06	8.1	.54	2.0	.24	3.8	.22	1.7	.07	.5
<2,000 CDD AND 5,500 TO 7,000 HDD.....	20.9	2.95	20.7	1.88	7.1	.54	9.3	.45	3.6	.07	.6
<2,000 CDD AND 4,000 TO 5,499 HDD.....	21.1	2.59	22.2	1.12	5.1	.63	10.4	.76	6.1	.08	.6
<2,000 CDD AND <4,000 HDD.....	19.0	1.70	13.4	.96	3.4	.56	8.6	.10	.8	.03	.6
>2,000 CDD AND <4,000 HDD.....	12.1	1.02	10.4	.44	1.7	.50	8.0	.02	.2	.07	.5

SEE FOOTNOTES AT END OF TABLE.



Total Residential Consumption and Expenditures

Table 1. (Continued)
Census Region: Northeast

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUID 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.....	17.7	2.43	22.4	0.92	4.7	0.39	8.6	1.09	8.8	0.03	0.3
AREA TYPE											
URBAN.....	13.2	1.90	17.0	.80	4.2	.25	5.9	.85	6.9	Q	Q
RURAL.....	4.5	.53	5.4	.12	.5	.14	2.7	.24	1.9	.02	.2
SMSA STATUS											
SMSA.....	13.9	1.94	18.0	.74	4.0	.29	6.6	.90	7.2	.01	.1
NON-SMSA.....	3.7	.49	4.4	.18	.7	.11	2.0	.19	1.6	.01	.1
UTILITIES PAID BY HOUSEHOLD											
ALL PAID BY HOUSEHOLD.....	13.1	1.87	17.1	.75	3.7	.35	7.2	.74	6.0	.03	.3
SOME, NONE, OTHER PAID BY HOUSEHOLD.....	4.6	.57	5.2	.17	1.1	.05	1.4	.35	2.8	Q	Q
TYPE OF HOUSING STRUCTURE											
SINGLE FAMILY OR MOBILE HOME..	10.9	1.57	14.4	.61	2.9	.30	6.2	.64	5.1	.02	.2
2 OR MORE UNITS.....	6.8	.86	8.0	.32	1.9	.09	2.4	.45	3.6	.01	.1
NUMBER OF ROOMS											
1 TO 3.....	2.7	.29	2.7	.09	.6	.03	.7	.17	1.4	Q	Q
4 TO 5.....	6.4	.79	7.2	.29	1.5	.13	2.8	.35	2.8	.01	.1
6 OR MORE.....	8.5	1.36	12.5	.54	2.7	.24	5.1	.57	4.6	.01	.1
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED											
ALL.....	2.9	.38	3.7	.17	.9	.09	1.8	.12	1.0	Q	Q
SOME.....	5.8	.83	7.9	.30	1.6	.12	3.0	.40	3.2	.01	.1
NONE.....	9.0	1.22	10.8	.45	2.2	.18	3.8	.56	4.5	.02	.2
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)											
LESS THAN 1000.....	5.9	0.69	6.5	0.23	1.3	0.08	2.0	0.37	3.0	0.01	0.1
1,000 TO 1,999.....	6.6	.89	8.1	.37	1.8	.15	3.3	.36	2.9	.01	.1
2,000 OR MORE.....	5.1	.85	7.9	.32	1.6	.16	3.3	.36	2.9	.01	.1
YEAR HOUSE BUILT											
1939 OR EARLIER.....	8.1	1.19	10.3	.47	2.4	.14	3.2	.57	4.6	.01	.1
1940 TO 1959.....	3.9	.56	5.1	.19	1.0	.08	1.8	.29	2.3	Q	Q
1960 OR LATER.....	5.7	.69	7.0	.27	1.4	.17	3.6	.23	1.9	.01	.1
OWN/RENT											
OWN.....	11.1	1.66	15.3	.63	3.1	.30	6.3	.71	5.7	.02	.2
RENT.....	6.6	.78	7.1	.29	1.6	.09	2.3	.38	3.1	.01	.1
1979 FAMILY INCOME											
LESS THAN \$10,000.....	4.7	.64	5.6	.22	1.2	.07	1.6	.35	2.8	Q	Q
\$10,000 TO \$19,999.....	6.0	.76	7.0	.29	1.5	.12	2.7	.33	2.7	.01	.1
\$20,000 TO \$34,999.....	5.1	.72	6.6	.31	1.5	.14	2.9	.27	2.2	.01	.1
\$35,000 OR MORE.....	1.9	.32	3.1	.11	.6	.06	1.4	.14	1.1	Q	Q
TOTAL POOR (100 PERCENT LEVEL)..	1.7	.24	2.1	.09	.5	.03	.6	.11	.9	Q	Q
TOTAL POOR (125 PERCENT LEVEL)..	2.7	.37	3.3	.14	.7	.04	1.0	.19	1.5	Q	Q
AGE OF HOUSEHOLD HEAD											
UNDER 35 YEARS.....	5.3	.61	5.6	.25	1.3	.11	2.3	.24	1.9	.01	.1
35 TO 59 YEARS.....	7.7	1.13	10.7	.45	2.3	.20	4.5	.46	3.7	.01	.1
60 YEARS AND OVER.....	4.7	.69	6.1	.23	1.2	.08	1.8	.39	3.1	Q	Q
HOUSEHOLD MEMBERS											
1.....	3.5	.40	3.6	.13	.7	.05	1.1	.22	1.8	Q	Q
2.....	5.5	.72	6.6	.25	1.3	.10	2.3	.37	2.9	Q	.1
3 OR MORE.....	8.6	1.31	12.2	.54	2.8	.25	5.2	.50	4.0	.02	.2

SEE FOOTNOTES AT END OF TABLE.



Total Residential Consumption and Expenditures

Table 1. (Continued)
Census Region: Northeast

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUID 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.....	6.6	0.97	6.8	0.85	4.1	0.12	2.7	Q	Q	Q	Q
ELECTRICITY.....	1.6	.09	1.6	Q	Q	.09	1.5	Q	Q	Q	Q
FUEL OIL.....	8.0	1.27	12.7	.07	.6	.14	3.6	1.05	8.5	0.01	0.1
OTHER.....	1.4	.10	1.3	Q	Q	.04	.8	.03	.3	.02	.2
HOT WATER FUEL											
NATURAL GAS.....	7.2	1.08	7.9	.85	4.1	.13	2.9	.10	.8	Q	Q
ELECTRICITY.....	3.9	.35	4.4	.03	.2	.16	2.9	.15	1.2	.01	.1
FUEL OIL.....	6.1	.95	9.6	.04	.4	.09	2.6	.81	6.5	Q	Q
OTHER.....	.5	.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.....	1.7	.19	2.0	.01	.1	.05	.9	.12	1.0	.01	.1
<2,000 CDD AND 5,500 TO 7,000 HDD.....	7.8	1.08	9.2	.49	2.2	.19	3.7	.39	3.1	.01	.1
<2,000 CDD AND 4,000 TO 5,499 HDD.....	8.1	1.16	11.2	.42	2.4	.15	4.0	.58	4.7	Q	Q
<2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Total Residential Consumption and Expenditures

Table 1. (Continued)
Census Division: New England

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUID 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	0.57	5.6	0.14	0.8	0.10	2.1	0.32	2.6	0.01	0.1
AREA TYPE											
URBAN.....	2.9	.41	3.9	.13	.8	.06	1.3	.22	1.8	Q	Q
RURAL.....	1.3	.15	1.7	.01	.1	.04	.8	.10	.8	.01	.1
SMSA STATUS											
SMSA.....	3.1	.43	4.2	.13	.8	.07	1.5	.23	1.9	Q	Q
NON-SMSA.....	1.2	.13	1.4	.01	.1	.03	.6	.09	.7	.01	.1
UTILITIES PAID BY HOUSEHOLD											
ALL PAID BY HOUSEHOLD.....	3.6	.48	4.8	.12	.7	.09	1.9	.27	2.2	.01	.1
SOME, NONE, OTHER PAID BY HOUSEHOLD.....	.7	.08	.8	.02	.1	.01	.2	.05	.4	Q	Q
TYPE OF HOUSING STRUCTURE											
SINGLE FAMILY OR MOBILE HOME..	2.4	.33	3.4	.05	.3	.07	1.4	.20	1.6	.01	.1
2 OR MORE UNITS.....	1.9	.24	2.2	.09	.6	.03	.7	.12	.9	Q	Q
NUMBER OF ROOMS											
1 TO 3 .....	.5	.04	.4	.02	.1	.01	.1	.02	.1	Q	Q
4 TO 5.....	1.8	.22	2.1	.07	.4	.03	.8	.11	.9	Q	Q
6 OR MORE.....	2.0	.31	3.1	.06	.3	.06	1.2	.19	1.5	.01	.1
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED											
ALL.....	.6	.08	.8	.02	.1	.01	.3	.04	.4	Q	Q
SOME.....	1.2	.17	1.6	.05	.3	.03	.7	.09	.7	Q	Q
NONE.....	2.5	.32	3.2	.08	.5	.05	1.1	.19	1.5	.01	.1
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)											
LESS THAN 1000.....	1.3	0.15	1.5	0.05	0.3	0.02	0.5	0.08	0.7	Q	Q
1,000 TO 1,999.....	1.7	.21	2.0	.06	.3	.03	.7	.11	.9	0.01	0.1
2,000 OR MORE.....	1.3	.20	2.1	.04	.2	.04	.9	.12	1.0	Q	Q
YEAR HOUSE BUILT											
1939 OR EARLIER.....	2.2	.32	3.0	.10	.6	.04	.9	.18	1.4	.01	.1
1940 TO 1959.....	.8	.11	1.1	.02	.1	.02	.4	.07	.6	Q	Q
1960 OR LATER.....	1.2	.13	1.5	.03	.2	.04	.8	.07	.5	Q	Q
OWN/RENT											
OWN.....	2.7	.38	3.9	.07	.4	.07	1.5	.23	1.9	.01	.1
RENT.....	1.6	.18	1.7	.07	.4	.02	.6	.08	.7	Q	Q
1979 FAMILY INCOME											
LESS THAN \$10,000.....	1.0	.13	1.2	.04	.2	.01	.3	.08	.6	Q	Q
\$10,000 TO \$19,999.....	1.4	.16	1.6	.04	.3	.03	.6	.09	.7	Q	Q
\$20,000 TO \$34,999.....	1.2	.16	1.6	.04	.2	.03	.6	.09	.7	Q	Q
\$35,000 OR MORE.....	.7	.11	1.2	.02	.1	.02	.5	.06	.5	Q	Q
TOTAL POOR (100 PERCENT LEVEL)..	.4	.05	.5	.02	.1	.01	.1	.03	.2	Q	Q
TOTAL POOR (125 PERCENT LEVEL)..	.6	.07	.7	.03	.2	.01	.2	.04	.3	Q	Q
AGE OF HOUSEHOLD HEAD											
UNDER 35 YEARS.....	1.2	.14	1.3	.04	.3	.02	.5	.07	.6	Q	Q
35 TO 59 YEARS.....	1.9	.26	2.7	.06	.4	.05	1.1	.14	1.1	.01	.1
60 YEARS AND OVER.....	1.1	.17	1.6	.04	.2	.02	.5	.11	.9	Q	Q
HOUSEHOLD MEMBERS											
1.....	.7	.08	.8	.02	.1	.01	.2	.05	.4	Q	Q
2.....	1.3	.17	1.7	.04	.3	.03	.6	.11	.9	Q	Q
3 OR MORE.....	2.2	.31	3.2	.08	.5	.06	1.3	.17	1.3	.01	.1

SEE FOOTNOTES AT END OF TABLE.



Total Residential Consumption and Expenditures

Table 1. (Continued)
Census Division: New England

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUID 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.....	1.1	0.14	1.1	0.13	0.7	0.02	0.4	Q	Q	Q	Q
ELECTRICITY.....	.3	.02	.3	Q	Q	.01	.3	Q	Q	Q	Q
FUEL OIL.....	2.2	.36	3.6	.01	.1	.05	1.0	0.30	2.4	Q	Q
OTHER.....	.6	.04	.6	Q	Q	.02	.4	.02	.1	0.01	0.1
HOT WATER FUEL											
NATURAL GAS.....	1.4	.19	1.6	.13	.8	.02	.5	.04	.3	Q	Q
ELECTRICITY.....	1.0	.10	1.2	.01	Q	.04	.8	.05	.4	Q	Q
FUEL OIL.....	1.6	.25	2.5	.01	Q	.03	.7	.22	1.7	Q	Q
OTHER.....	.3	.02	.3	Q	Q	.01	.1	.01	.1	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE											
<2,000 CDD AND >7,000 HDD.....	1.1	.13	1.3	.01	.1	.03	.6	.08	.7	.01	.1
<2,000 CDD AND 5,500 TO 7,000 HDD.....	3.2	.44	4.3	.13	.8	.07	1.5	.24	1.9	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 Residential Consumption and Expenditures

Table 1. (Continued)
Census Division:
Middle Atlantic

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUID 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.....	13.4	1.87	16.8	0.78	3.9	0.30	6.5	0.77	6.2	0.02	0.2
AREA TYPE											
URBAN.....	10.3	1.49	13.1	.67	3.5	.19	4.6	.63	5.1	Q	Q
RURAL.....	3.1	.38	3.7	.11	.4	.11	1.9	.14	1.1	.01	.1
SMSA STATUS											
SMSA.....	10.8	1.50	13.8	.61	3.3	.22	5.1	.66	5.3	.01	.1
NON-SMSA.....	2.6	.36	3.0	.17	.6	.08	1.4	.11	.9	.01	.1
UTILITIES PAID BY HOUSEHOLD											
ALL PAID BY HOUSEHOLD.....	9.5	1.38	12.3	.63	3.0	.26	5.4	.47	3.8	.02	.2
SOME, NONE, OTHER PAID BY HOUSEHOLD.....	3.9	.48	4.5	.15	.9	.04	1.2	.30	2.4	Q	Q
TYPE OF HOUSING STRUCTURE											
SINGLE FAMILY OR MOBILE HOME..	8.5	1.24	11.0	.56	2.6	.24	4.8	.44	3.5	.01	.1
2 OR MORE UNITS.....	4.9	.62	5.8	.22	1.3	.06	1.7	.34	2.7	.01	Q
NUMBER OF ROOMS											
1 TO 3	2.2	.25	2.3	.08	.5	.02	.6	.15	1.2	Q	Q
4 TO 5	4.6	.57	5.1	.22	1.1	.10	2.0	.24	1.9	.01	.1
6 OR MORE.....	6.5	1.05	9.4	.48	2.3	.18	3.9	.38	3.1	.01	.1
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED											
ALL.....	2.3	.31	3.0	.16	.8	.07	1.5	.08	.6	Q	Q
SOME.....	4.6	.66	6.3	.25	1.4	.09	2.3	.31	2.5	Q	Q
NONE.....	6.5	.90	7.6	.37	1.8	.13	2.6	.38	3.0	.01	.1
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)											
LESS THAN 1000.....	4.6	0.54	5.0	0.18	1.1	0.06	1.5	0.29	2.3	0.01	0.1
1,000 TO 1,999.....	5.0	.68	6.0	.31	1.5	.12	2.5	.24	2.0	Q	Q
2,000 OR MORE.....	3.8	.64	5.8	.28	1.3	.12	2.4	.24	1.9	.01	.1
YEAR HOUSE BUILT											
1939 OR EARLIER.....	5.8	.87	7.3	.37	1.8	.10	2.3	.39	3.1	Q	Q
1940 TO 1959.....	3.1	.45	4.0	.17	.9	.06	1.4	.22	1.7	Q	Q
1960 OR LATER.....	4.5	.55	5.5	.24	1.2	.13	2.8	.17	1.3	.01	.1
OWN/RENT											
OWN.....	8.4	1.27	11.4	.56	2.7	.23	4.8	.47	3.8	.01	.1
RENT.....	5.0	.59	5.4	.22	1.2	.07	1.7	.30	2.4	.01	.1
1979 FAMILY INCOME											
LESS THAN \$10,000.....	3.7	.51	4.4	.18	.9	.05	1.3	.27	2.2	Q	Q
\$10,000 TO \$19,999.....	4.6	.59	5.4	.24	1.3	.09	2.0	.25	2.0	.01	.1
\$20,000 TO \$34,999.....	3.9	.56	5.0	.27	1.3	.11	2.3	.18	1.4	Q	Q
\$35,000 OR MORE.....	1.2	.20	2.0	.09	.4	.04	.9	.08	.6	Q	Q
TOTAL POOR (100 PERCENT LEVEL)..	1.3	.19	1.6	.08	.4	.02	.5	.09	.7	Q	Q
TOTAL POOR (125 PERCENT LEVEL)..	2.1	.30	2.6	.11	.6	.03	.8	.15	1.2	Q	Q
AGE OF HOUSEHOLD HEAD											
UNDER 35 YEARS.....	4.0	.47	4.3	.20	1.0	.09	1.8	.17	1.4	.01	.1
35 TO 59 YEARS.....	5.7	.87	8.0	.39	1.9	.15	3.4	.32	2.6	.01	.1
60 YEARS AND OVER.....	3.6	.53	4.5	.19	.9	.06	1.3	.28	2.2	Q	Q
HOUSEHOLD MEMBERS											
1.....	2.8	.32	2.9	.11	.6	.04	.8	.18	1.4	Q	Q
2.....	4.2	.55	4.9	.21	1.0	.08	1.7	.26	2.1	Q	Q
3 OR MORE.....	6.4	.99	9.0	.46	2.3	.19	3.9	.33	2.7	.01	.1

SEE FOOTNOTES AT END OF TABLE.



Total Residential Consumption and Expenditures

Table 1. (Continued)
Census Division:
Middle Atlantic

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUID 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.....	5.5	0.83	5.7	0.72	3.4	0.10	2.3	Q	Q	Q	Q
ELECTRICITY.....	1.3	.07	1.3	Q	Q	.07	1.2	Q	Q	Q	Q
FUEL OIL.....	5.8	.91	9.1	.06	.5	.10	2.6	0.75	6.0	Q	Q
OTHER.....	.8	.06	.7	Q	Q	.03	.5	.02	.1	0.01	0.1
HOT WATER FUEL											
NATURAL GAS.....	5.8	.89	6.3	.72	3.4	.11	2.4	.06	.5	Q	Q
ELECTRICITY.....	2.9	.26	3.1	.03	.1	.12	2.1	.10	.8	.01	.1
FUEL OIL.....	4.5	.70	7.1	.04	.4	.06	1.9	.60	4.8	Q	Q
OTHER.....	.3	.02	.3	Q	Q	.01	.1	.01	.1	.01	.1
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE											
<2,000 CDD AND >7,000 HDD.....	.6	.07	.7	Q	Q	.03	.3	.04	.3	Q	Q
<2,000 CDD AND 5,500 TO 7,000 HDD.....	4.7	.64	4.9	.36	1.5	.12	2.2	.15	1.2	.01	.1
<2,000 CDD AND 4,000 TO 5,499 HDD.....	8.1	1.16	11.2	.42	2.4	.15	4.0	.58	4.7	Q	Q
<2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Total Residential Consumption and Expenditures

Table 1. (Continued)
Census Region: North Central

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUID 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.....	21.1	2.92	19.2	2.02	7.2	0.60	9.7	0.16	1.2	0.15	1.1
AREA TYPE											
URBAN.....	14.2	2.10	12.3	1.70	6.1	.34	5.7	.05	.4	.01	.1
RURAL.....	6.9	.82	6.9	.32	1.1	.26	4.0	.10	.8	.15	1.1
SMSA STATUS											
SMSA.....	13.8	2.03	12.5	1.55	5.5	.37	6.1	.07	.5	.04	.3
NON-SMSA.....	7.2	.89	6.7	.47	1.6	.23	3.6	.09	.7	.11	.8
UTILITIES PAID BY HOUSEHOLD											
ALL PAID BY HOUSEHOLD.....	18.3	2.65	17.5	1.79	6.3	.56	8.9	.14	1.1	.15	1.1
SOME, NONE, OTHER PAID BY HOUSEHOLD.....	2.8	.28	1.7	.22	.8	.04	.7	.01	.1	Q	Q
TYPE OF HOUSING STRUCTURE											
SINGLE FAMILY OR MOBILE HOME..	16.1	2.41	16.0	1.60	5.6	.51	8.2	.14	1.1	.15	1.1
2 OR MORE UNITS.....	5.0	.52	3.2	.41	1.6	.09	1.5	.02	.1	Q	Q
NUMBER OF ROOMS											
1 TO 3.....	2.1	.18	1.2	.13	.5	.04	.6	.01	.1	.01	.1
4 TO 5.....	9.2	1.13	7.5	.79	2.8	.22	3.6	.06	.5	.07	.5
6 OR MORE.....	9.7	1.61	10.5	1.10	3.8	.34	5.4	.09	.7	.07	.5
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED											
ALL.....	7.6	1.03	7.0	.69	2.4	.27	4.1	.03	.2	.04	.3
SOME.....	4.7	.71	4.2	.54	1.9	.12	1.9	.03	.3	.02	.1
NONE.....	8.8	1.19	7.9	.79	2.9	.21	3.6	.10	.8	.09	.7
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)											
LESS THAN 1000.....	6.3	0.63	4.2	0.45	1.6	0.12	2.0	0.02	0.2	0.04	0.3
1,000 TO 1,999.....	8.4	1.19	7.8	.82	2.9	.24	3.9	.07	.6	.06	.4
2,000 OR MORE.....	6.4	1.10	7.2	.74	2.6	.24	3.7	.06	.4	.06	.4
YEAR HOUSE BUILT											
1939 OR EARLIER.....	7.5	1.14	6.9	.83	2.9	.18	3.0	.08	.6	.06	.4
1940 TO 1959.....	5.2	.77	4.8	.58	2.0	.13	2.3	.04	.3	.02	.2
1960 OR LATER.....	8.3	1.01	7.5	.61	2.2	.29	4.4	.04	.4	.07	.5
OWN/RENT											
OWN.....	14.4	2.18	14.4	1.46	5.1	.47	7.4	.12	.9	.13	1.0
RENT.....	6.6	.74	4.8	.55	2.0	.13	2.3	.04	.3	.02	.2
1979 FAMILY INCOME											
LESS THAN \$10,000.....	6.1	.76	4.7	.55	2.0	.12	2.0	.05	.4	.04	.3
\$10,000 TO \$19,999.....	6.8	.85	5.7	.57	2.0	.19	3.0	.04	.3	.05	.4
\$20,000 TO \$34,999.....	6.0	.92	6.1	.63	2.2	.20	3.2	.05	.4	.04	.3
\$35,000 OR MORE.....	2.2	.40	2.7	.27	1.0	.09	1.4	.01	.1	.02	.2
TOTAL POOR (100 PERCENT LEVEL)..	2.6	.36	2.1	.28	1.0	.05	.9	.01	.1	.01	.1
TOTAL POOR (125 PERCENT LEVEL)..	3.6	.49	2.9	.37	1.3	.07	1.2	.03	.2	.02	.1
AGE OF HOUSEHOLD HEAD											
UNDER 35 YEARS.....	6.8	.82	5.5	.57	2.1	.17	2.8	.04	.3	.04	.3
35 TO 59 YEARS.....	8.4	1.34	8.8	.92	3.3	.29	4.6	.06	.5	.06	.5
60 YEARS AND OVER.....	5.9	.76	4.9	.52	1.8	.14	2.2	.06	.5	.04	.3
HOUSEHOLD MEMBERS											
1.....	3.5	.37	2.3	.27	1.0	.06	1.0	.03	.2	.02	.1
2.....	7.2	.92	6.0	.63	2.3	.18	2.9	.05	.4	.05	.4
3 OR MORE.....	10.4	1.63	10.8	1.11	3.9	.36	5.7	.07	.6	.08	.6

SEE FOOTNOTES AT END OF TABLE.



Total Residential Consumption and Expenditures

Table 1. (Continued)
Census Region: North Central

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUID 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.....	15.0	2.34	12.9	2.00	7.1	0.34	5.8	Q	Q	Q	Q
ELECTRICITY.....	2.1	.14	1.8	.01	Q	.13	1.8	Q	Q	Q	Q
FUEL OIL.....	1.5	.20	2.0	Q	Q	.05	.8	0.14	1.1	Q	Q
OTHER.....	2.4	.24	2.5	.01	Q	.08	1.3	.01	.1	0.15	1.1
HOT WATER FUEL											
NATURAL GAS.....	14.4	2.23	12.3	1.90	6.7	.32	5.5	.01	.1	Q	Q
ELECTRICITY.....	5.2	.51	5.1	.12	.5	.24	3.5	.11	.9	.04	.3
FUEL OIL.....	.2	.03	.2	Q	Q	Q	Q	.02	.2	Q	Q
OTHER.....	1.3	.15	1.5	Q	Q	.04	.6	.01	.1	.11	.8
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE											
<2,000 CDD AND >7,000 HDD.....	5.3	.68	5.0	.38	1.5	.15	2.4	.09	.7	.05	.4
<2,000 CDD AND 5,500 TO 7,000 HDD.....	11.7	1.71	10.6	1.30	4.6	.31	5.1	.06	.5	.05	.4
<2,000 CDD AND 4,000 TO 5,499 HDD.....	4.1	.53	3.6	.33	1.1	.14	2.1	.01	.1	.05	.4
<2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Total Residential Consumption and Expenditures

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

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUID 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.....	14.8	2.08	13.6	1.47	5.4	0.40	6.6	0.12	0.9	0.09	0.7
AREA TYPE											
URBAN.....	10.5	1.57	9.1	1.29	4.7	.24	4.1	.04	.3	Q	Q
RURAL.....	4.3	.51	4.5	.19	.7	.16	2.5	.08	.6	.09	.6
SMSA STATUS											
SMSA.....	10.8	1.60	9.7	1.24	4.5	.27	4.5	.05	.4	.04	.3
NON-SMSA.....	4.0	.49	3.9	.23	.9	.14	2.1	.06	.5	.05	.4
UTILITIES PAID BY HOUSEHOLD											
ALL PAID BY HOUSEHOLD.....	12.7	1.87	12.3	1.30	4.8	.38	6.1	.11	.8	.09	.7
SOME, NONE, OTHER PAID BY HOUSEHOLD.....	2.1	.21	1.3	.17	.7	.03	.5	.01	.1	Q	Q
TYPE OF HOUSING STRUCTURE											
SINGLE FAMILY OR MOBILE HOME..	10.7	1.66	11.0	1.14	4.1	.33	5.4	.10	.8	.09	.7
2 OR MORE UNITS.....	4.1	.42	2.7	.34	1.3	.07	1.2	.02	.1	Q	Q
NUMBER OF ROOMS											
1 TO 3.....	1.6	.13	.9	.10	.4	.03	.4	.01	.1	Q	Q
4 TO 5.....	6.4	.79	5.2	.56	2.1	.14	2.4	.04	.3	.05	.4
6 OR MORE.....	6.9	1.15	7.5	.81	2.9	.24	3.8	.07	.5	.04	.3
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED											
ALL.....	4.3	.57	4.0	.39	1.4	.15	2.3	.02	.1	.02	.2
SOME.....	3.4	.51	3.1	.40	1.4	.08	1.4	.03	.2	Q	Q
NONE.....	7.2	1.00	6.6	.69	2.6	.17	2.9	.07	.6	.06	.5
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)											
LESS THAN 1000.....	4.5	0.45	3.0	0.33	1.3	0.08	1.4	0.02	0.1	0.02	0.2
1,000 TO 1,999.....	6.0	.88	5.6	.63	2.3	.16	2.7	.06	.5	.03	.2
2,000 OR MORE.....	4.4	.76	5.0	.52	1.9	.16	2.5	.04	.3	.04	.3
YEAR HOUSE BUILT											
1939 OR EARLIER.....	5.2	.80	4.9	.61	2.2	.12	2.0	.05	.4	.02	.2
1940 TO 1959.....	3.7	.56	3.4	.43	1.6	.09	1.5	.03	.2	.02	.1
1960 OR LATER.....	5.9	.72	5.3	.43	1.6	.20	3.1	.04	.3	.05	.4
OWN/RENT											
OWN.....	9.8	1.50	9.9	1.03	3.7	.30	4.9	.09	.7	.08	.6
RENT.....	5.1	.58	3.7	.44	1.7	.10	1.7	.03	.2	.01	.1
1979 FAMILY INCOME											
LESS THAN \$10,000.....	4.2	.55	3.4	.40	1.5	.08	1.4	.04	.4	.02	.1
\$10,000 TO \$19,999.....	4.8	.59	4.1	.40	1.5	.13	2.1	.03	.3	.03	.3
\$20,000 TO \$34,999.....	4.4	.69	4.5	.49	1.7	.14	2.2	.04	.3	.03	.2
\$35,000 OR MORE.....	1.4	.25	1.6	.18	.7	.05	.9	.01	Q	.01	.1
TOTAL POOR (100 PERCENT LEVEL)..	1.9	.29	1.6	.23	.9	.04	.6	.01	.1	Q	Q
TOTAL POOR (125 PERCENT LEVEL)..	2.7	.39	2.3	.30	1.1	.05	.9	.02	.2	.01	.1
AGE OF HOUSEHOLD HEAD											
UNDER 35 YEARS.....	4.7	.56	3.8	.40	1.5	.11	1.9	.02	.2	.03	.2
35 TO 59 YEARS.....	6.0	.98	6.4	.70	2.5	.20	3.2	.04	.3	.04	.3
60 YEARS AND OVER.....	4.1	.55	3.5	.38	1.4	.09	1.5	.05	.4	.02	.2
HOUSEHOLD MEMBERS											
1.....	2.5	.27	1.7	.19	.7	.04	.8	.02	.2	.01	.1
2.....	4.9	.64	4.2	.45	1.7	.12	2.0	.04	.3	.03	.2
3 OR MORE.....	7.3	1.17	7.7	.83	3.0	.24	3.9	.05	.4	.05	.4

SEE FOOTNOTES AT END OF TABLE.



Total Residential Consumption and Expenditures

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

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUID 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.....	10.4	1.68	9.2	1.46	5.3	0.21	3.8	Q	Q	Q	Q
ELECTRICITY.....	1.7	.11	1.4	.01	Q	.10	1.4	Q	Q	Q	Q
FUEL OIL.....	1.1	.15	1.5	Q	Q	.04	.6	0.11	0.9	Q	Q
OTHER.....	1.5	.15	1.6	Q	Q	.05	.8	.01	.1	0.09	0.6
HOT WATER FUEL											
NATURAL GAS.....	10.2	1.62	8.9	1.40	5.1	.21	3.8	.01	.1	Q	Q
ELECTRICITY.....	3.7	.35	3.6	.08	.3	.17	2.5	.08	.6	.02	.2
FUEL OIL.....	.2	.02	.2	Q	Q	Q	Q	.02	.2	Q	Q
OTHER.....	.7	.09	.9	Q	Q	.02	.3	.01	.1	.06	.5
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE											
<2,000 CDD AND >7,000 HDD.....	3.1	.38	3.0	.18	.8	.09	1.4	.06	.5	.04	.3
<2,000 CDD AND 5,500 TO 7,000 HDD.....	10.2	1.51	9.3	1.16	4.2	.27	4.5	.05	.4	.03	.2
<2,000 CDD AND 4,000 TO 5,499 HDD.....	1.5	.20	1.4	.13	.5	.04	.7	Q	Q	.02	.1
<2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Total Residential Consumption and Expenditures

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

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUID 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	0.84	5.5	0.54	1.8	0.20	3.0	0.04	0.3	0.06	0.4
AREA TYPE											
URBAN.....	3.7	.53	3.1	.41	1.4	.10	1.6	.01	.1	Q	Q
RURAL.....	2.5	.31	2.4	.13	.4	.09	1.4	.03	.2	.06	.4
SMSA STATUS											
SMSA.....	3.1	.43	2.8	.31	1.1	.10	1.6	.01	.1	.01	Q
NON-SMSA.....	3.2	.41	2.8	.23	.7	.09	1.5	.03	.2	.06	.4
UTILITIES PAID BY HOUSEHOLD											
ALL PAID BY HOUSEHOLD.....	5.6	.77	5.2	.49	1.6	.19	2.9	.04	.3	.06	.4
SOME, NONE, OTHER PAID BY HOUSEHOLD.....	.7	.07	.4	.05	.2	.01	.2	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE											
SINGLE FAMILY OR MOBILE HOME..	5.3	.75	5.0	.47	1.5	.18	2.8	.04	.3	.06	.4
2 OR MORE UNITS.....	1.0	.09	.6	.07	.3	.02	.3	Q	Q	Q	Q
NUMBER OF ROOMS											
1 TO 3.....	.6	.05	.3	.03	.1	.01	.2	Q	Q	Q	Q
4 TO 5.....	2.9	.34	2.2	.22	.7	.08	1.2	.02	.1	.02	.2
6 OR MORE.....	2.8	.45	3.0	.29	.9	.11	1.7	.02	.2	.04	.2
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED											
ALL.....	3.3	.46	3.1	.30	1.0	.13	1.9	.01	.1	.02	.2
SOME.....	1.3	.19	1.1	.14	.5	.03	.5	.01	Q	.01	.1
NONE.....	1.6	.19	1.4	.10	.3	.04	.6	.02	.2	.03	.2
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)											
LESS THAN 1000.....	1.8	0.18	1.2	0.12	0.4	0.04	0.6	0.01	0.1	0.01	0.1
1,000 TO 1,999.....	2.4	.31	2.2	.19	.6	.08	1.2	.02	.1	.03	.2
2,000 OR MORE.....	2.0	.34	2.2	.23	.7	.08	1.2	.01	.1	.02	.2
YEAR HOUSE BUILT											
1939 OR EARLIER.....	2.3	.34	2.1	.22	.7	.06	.9	.02	.2	.04	.3
1940 TO 1959.....	1.5	.21	1.3	.15	.4	.05	.8	.01	.1	.01	Q
1960 OR LATER.....	2.4	.29	2.1	.18	.6	.09	1.3	.01	.1	.02	.1
OWN/RENT											
OWN.....	4.7	.68	4.5	.43	1.4	.16	2.5	.03	.3	.05	.4
RENT.....	1.6	.16	1.0	.11	.4	.03	.5	.01	Q	.01	.1
1979 FAMILY INCOME											
LESS THAN \$10,000.....	1.9	.21	1.3	.14	.5	.04	.6	.01	.1	.02	.1
\$10,000 TO \$19,999.....	1.9	.25	1.6	.16	.5	.06	.9	.01	.1	.02	.1
\$20,000 TO \$34,999.....	1.6	.23	1.6	.14	.5	.06	.9	.01	.1	.01	.1
\$35,000 OR MORE.....	.8	.15	1.0	.09	.3	.03	.6	Q	Q	.02	.1
TOTAL POOR (100 PERCENT LEVEL)..	.6	.07	.5	.05	.2	.01	.2	Q	Q	.01	.1
TOTAL POOR (125 PERCENT LEVEL)..	.9	.10	.6	.07	.2	.02	.3	Q	Q	.01	.1
AGE OF HOUSEHOLD HEAD											
UNDER 35 YEARS.....	2.1	.26	1.7	.17	.6	.06	1.0	.01	.1	.02	.1
35 TO 59 YEARS.....	2.4	.36	2.4	.23	.7	.09	1.4	.02	.1	.03	.2
60 YEARS AND OVER.....	1.8	.22	1.3	.15	.4	.04	.7	.01	.1	.02	.1
HOUSEHOLD MEMBERS											
1.....	1.0	.10	.6	.08	.2	.02	.3	Q	Q	.01	.1
2.....	2.3	.28	1.8	.18	.6	.06	.9	.02	.1	.02	.2
3 OR MORE.....	3.0	.45	3.1	.28	.9	.12	1.8	.02	.2	.03	.2

SEE FOOTNOTES AT END OF TABLE.



Total Residential Consumption and Expenditures

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

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUID 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.....	4.5	0.66	3.7	0.54	1.7	0.12	2.0	Q	Q	Q	Q
ELECTRICITY.....	.4	.03	.4	Q	Q	.03	.4	Q	Q	Q	Q
FUEL OIL.....	.4	.05	.6	Q	Q	.02	.3	0.04	0.3	Q	Q
OTHER.....	.9	.09	.9	Q	Q	.03	.4	Q	Q	0.06	0.4
HOT WATER FUEL											
NATURAL GAS.....	4.2	.61	3.4	.50	1.6	.11	1.8	Q	Q	Q	Q
ELECTRICITY.....	1.5	.16	1.5	.04	.1	.07	1.0	.03	.3	.02	.1
FUEL OIL.....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER.....	.6	.06	.6	Q	Q	.02	.3	Q	Q	.04	.3
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE											
<2,000 CDD AND >7,000 HDD.....	2.2	.30	2.0	.20	.7	.06	1.0	.03	.2	.01	.1
<2,000 CDD AND 5,500 TO 7,000 HDD.....	1.5	.20	1.2	.14	.4	.04	.6	.01	Q	.02	.1
<2,000 CDD AND 4,000 TO 5,499 HDD.....	2.6	.34	2.3	.20	.6	.10	1.4	Q	Q	.03	.2
<2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Total Residential Consumption and Expenditures

Table 1. (Continued)
Census Region: South

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUID 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.....	27.0	2.59	23.6	1.11	4.3	1.06	16.0	0.27	2.2	0.15	1.2
AREA TYPE											
URBAN.....	15.7	1.62	13.5	.89	3.4	.57	8.8	.13	1.1	.02	.2
RURAL.....	11.3	.97	10.1	.22	.9	.48	7.1	.14	1.1	.12	1.0
SMSA STATUS											
SMSA.....	15.3	1.51	13.5	.73	2.8	.60	9.3	.14	1.1	.04	.3
NON-SMSA.....	11.6	1.08	10.1	.38	1.5	.45	6.7	.13	1.1	.11	.9
UTILITIES PAID BY HOUSEHOLD											
ALL PAID BY HOUSEHOLD.....	24.2	2.39	21.9	1.02	3.9	1.00	15.0	.23	1.9	.14	1.1
SOME, NONE, OTHER PAID BY HOUSEHOLD.....	2.7	.20	1.7	.09	.4	.06	.9	.04	.3	.01	0
TYPE OF HOUSING STRUCTURE											
SINGLE FAMILY OR MOBILE HOME..	22.1	2.28	20.6	.98	3.7	.93	13.9	.23	1.9	.14	1.1
2 OR MORE UNITS.....	4.8	.31	3.0	.13	.6	.13	2.0	.04	.3	.01	.1
NUMBER OF ROOMS											
1 TO 3.....	3.1	.16	1.6	.06	.3	.07	1.1	.01	.1	.02	.2
4 TO 5.....	12.4	1.06	9.6	.46	1.8	.42	6.4	.12	.9	.07	.6
6 OR MORE.....	11.5	1.36	12.3	.59	2.2	.57	8.5	.14	1.2	.05	.4
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED											
ALL.....	15.3	1.50	14.3	.64	2.4	.73	10.7	.08	.7	.05	.4
SOME.....	4.7	.49	4.3	.21	.8	.15	2.4	.10	.8	.03	.2
NONE.....	7.0	.60	5.1	.26	1.0	.17	2.8	.09	.7	.07	.6
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)											
LESS THAN 1000.....	10.0	0.72	6.6	0.29	1.1	0.27	4.2	0.09	0.7	0.07	0.6
1,000 TO 1,999.....	12.3	1.23	11.2	.55	2.1	.52	7.8	.11	.9	.06	.4
2,000 OR MORE.....	4.7	.64	5.7	.27	1.0	.27	4.0	.07	.6	.02	.2
YEAR HOUSE BUILT											
1939 OR EARLIER.....	4.9	.51	4.1	.25	1.0	.13	2.1	.09	.7	.04	.3
1940 TO 1959.....	7.6	.83	6.7	.42	1.6	.26	4.0	.11	.9	.03	.3
1960 OR LATER.....	14.5	1.25	12.8	.44	1.7	.67	9.9	.07	.6	.07	.6
OWN/RENT											
OWN.....	18.7	1.96	17.8	.85	3.2	.82	12.3	.17	1.4	.11	.9
RENT.....	8.3	.63	5.8	.27	1.1	.24	3.7	.10	.8	.03	.3
1979 FAMILY INCOME											
LESS THAN \$10,000.....	9.0	.73	6.5	.31	1.2	.25	3.9	.11	.9	.06	.5
\$10,000 TO \$19,999.....	8.1	.75	6.8	.31	1.2	.30	4.5	.08	.6	.05	.4
\$20,000 TO \$34,999.....	6.7	.71	6.5	.32	1.2	.31	4.6	.05	.4	.03	.2
\$35,000 OR MORE.....	3.1	.40	3.8	.17	.6	.19	2.9	.03	.3	.01	.1
TOTAL POOR (100 PERCENT LEVEL)..	4.9	.41	3.6	.18	.7	.14	2.1	.06	.5	.03	.3
TOTAL POOR (125 PERCENT LEVEL)..	6.1	.52	4.5	.22	.9	.17	2.6	.08	.7	.04	.4
AGE OF HOUSEHOLD HEAD											
UNDER 35 YEARS.....	8.9	.77	7.1	.33	1.2	.33	5.0	.07	.5	.04	.3
35 TO 59 YEARS.....	10.7	1.15	10.5	.49	1.9	.48	7.2	.12	1.0	.06	.5
60 YEARS AND OVER.....	7.3	.68	6.0	.30	1.2	.25	3.7	.09	.7	.05	.4
HOUSEHOLD MEMBERS											
1.....	5.3	.38	3.4	.16	.7	.13	2.1	.06	.5	.02	.2
2.....	8.7	.79	7.3	.32	1.2	.32	4.9	.10	.8	.04	.4
3 OR MORE.....	13.0	1.42	12.9	.63	2.4	.60	9.0	.11	.9	.08	.6

SEE FOOTNOTES AT END OF TABLE.



Total Residential Consumption and Expenditures

Table 1. (Continued)
Census Region: South

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUID 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.....	11.8	1.45	9.8	1.07	4.1	0.38	5.7	Q	Q	Q	Q
ELECTRICITY.....	7.7	.48	6.7	.03	.1	.44	6.4	Q	Q	0.01	0.1
FUEL OIL.....	2.5	.32	3.4	.01	.1	.08	1.4	0.22	1.8	Q	.1
OTHER.....	4.9	.34	3.8	.01	Q	.15	2.4	.04	.4	.13	1.1
HOT WATER FUEL											
NATURAL GAS.....	11.3	1.38	9.4	1.00	3.8	.35	5.4	.03	.2	Q	Q
ELECTRICITY.....	13.2	.96	11.6	.11	.5	.65	9.5	.14	1.2	.06	.5
FUEL OIL.....	.7	.10	1.0	Q	Q	.02	.4	.08	.6	Q	Q
OTHER.....	1.8	.16	1.6	.01	Q	.04	.7	.02	.1	.09	.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.....	-	-	-	-	-	-	-	-	-	-	-
<2,000 CDD AND 4,000 TO 5,499 HDD.....	5.9	.63	5.7	.26	1.1	.20	3.2	.15	1.2	.02	.1
<2,000 CDD AND <4,000 HDD.....	10.0	.99	8.4	.43	1.5	.39	5.5	.10	.8	.07	.5
>2,000 CDD AND <4,000 HDD.....	11.0	.96	9.5	.42	1.6	.46	7.2	.02	.2	.06	.5

SEE FOOTNOTES AT END OF TABLE.



Total Residential Consumption and Expenditures

Table 1. (Continued)
Census Division:
South Atlantic

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUID 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.....	14.0	1.29	13.2	0.42	1.9	0.52	8.5	0.26	2.1	0.09	0.7
AREA TYPE											
URBAN.....	7.4	.73	6.9	.34	1.5	.25	4.2	.13	1.0	.02	.2
RURAL.....	6.7	.56	6.3	.08	.3	.27	4.3	.14	1.1	.07	.6
SMSA STATUS											
SMSA.....	8.1	.75	7.8	.27	1.2	.31	5.2	.13	1.1	.03	.3
NON-SMSA.....	6.0	.54	5.5	.15	.6	.21	3.3	.13	1.0	.06	.5
UTILITIES PAID BY HOUSEHOLD											
ALL PAID BY HOUSEHOLD.....	12.6	1.17	12.2	.36	1.6	.50	8.1	.22	1.8	.08	.7
SOME, NONE, OTHER PAID BY HOUSEHOLD.....	1.4	.12	1.0	.05	.2	.02	.4	.04	.3	Q	Q
TYPE OF HOUSING STRUCTURE											
SINGLE FAMILY OR MOBILE HOME..	11.2	1.10	11.3	.35	1.5	.45	7.3	.22	1.8	.08	.7
2 OR MORE UNITS.....	2.8	.19	1.9	.07	.3	.07	1.2	.04	.3	.01	.1
NUMBER OF ROOMS											
1 TO 3.....	1.5	.08	.8	.02	.1	.03	.5	.01	.1	.01	.1
4 TO 5.....	6.1	.49	5.1	.15	.7	.19	3.1	.11	.9	.04	.4
6 OR MORE.....	6.4	.72	7.3	.24	1.1	.30	4.8	.14	1.1	.04	.3
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED											
ALL.....	6.9	.62	6.8	.20	.9	.32	5.1	.08	.7	.03	.2
SOME.....	2.7	.28	2.8	.09	.4	.09	1.5	.09	.8	.02	.1
NONE.....	4.5	.38	3.6	.13	.6	.12	1.9	.09	.7	.04	.4
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)											
LESS THAN 1000.....	5.2	0.35	3.7	0.09	0.4	0.13	2.2	0.08	0.7	0.04	0.4
1,000 TO 1,999.....	6.2	.59	6.0	.21	.9	.24	4.0	.11	.9	.03	.2
2,000 OR MORE.....	2.6	.35	3.5	.12	.5	.14	2.3	.07	.6	.01	.1
YEAR HOUSE BUILT											
1939 OR EARLIER.....	3.0	.31	2.8	.12	.5	.08	1.3	.08	.7	.02	.2
1940 TO 1959.....	3.8	.39	3.7	.14	.6	.12	2.0	.11	.9	.01	.1
1960 OR LATER.....	7.3	.59	6.8	.16	.7	.32	5.1	.07	.6	.05	.4
OWN/RENT											
OWN.....	9.6	.94	9.8	.31	1.4	.40	6.4	.17	1.4	.06	.5
RENT.....	4.5	.34	3.5	.10	.5	.12	2.0	.09	.8	.02	.2
1979 FAMILY INCOME											
LESS THAN \$10,000.....	4.4	.35	3.5	.10	.5	.12	2.0	.10	.8	.03	.3
\$10,000 TO \$19,999.....	4.4	.39	4.0	.12	.5	.16	2.5	.08	.6	.03	.3
\$20,000 TO \$34,999.....	3.5	.35	3.5	.13	.6	.15	2.3	.05	.4	.02	.1
\$35,000 OR MORE.....	1.7	.20	2.3	.07	.3	.10	1.7	.03	.3	.01	Q
TOTAL POOR (100 PERCENT LEVEL)..	2.5	.22	2.1	.07	.3	.07	1.1	.06	.5	.02	.1
TOTAL POOR (125 PERCENT LEVEL)..	3.0	.26	2.6	.08	.4	.08	1.4	.08	.6	.02	.2
AGE OF HOUSEHOLD HEAD											
UNDER 35 YEARS.....	4.5	.36	3.8	.12	.5	.15	2.6	.06	.5	.03	.2
35 TO 59 YEARS.....	5.8	.60	6.1	.20	.9	.24	3.9	.12	1.0	.04	.3
60 YEARS AND OVER.....	3.7	.33	3.4	.10	.5	.12	2.0	.08	.7	.02	.2
HOUSEHOLD MEMBERS											
1.....	2.8	.20	2.0	.07	.3	.06	1.1	.05	.4	.01	.1
2.....	4.5	.37	4.0	.09	.4	.16	2.6	.10	.8	.03	.2
3 OR MORE.....	6.7	.71	7.2	.26	1.2	.30	4.8	.11	.9	.05	.4

SEE FOOTNOTES AT END OF TABLE.



Total Residential Consumption and Expenditures

Table 1. (Continued)
Census Division:
South Atlantic

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUID 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.....	4.0	0.50	3.5	0.39	1.7	0.11	1.7	Q	Q	Q	Q
ELECTRICITY.....	4.3	.25	3.9	.01	Q	.23	3.8	Q	Q	0.01	0.1
FUEL OIL.....	2.4	.31	3.3	.01	.1	.08	1.4	0.22	1.7	Q	Q
OTHER.....	3.3	.22	2.6	Q	Q	.10	1.6	.04	.4	.07	.6
HOT WATER FUEL											
NATURAL GAS.....	3.8	.49	3.4	.36	1.6	.10	1.5	.03	.2	Q	Q
ELECTRICITY.....	8.5	.61	7.9	.05	.2	.38	6.2	.14	1.1	.04	.3
FUEL OIL.....	.7	.10	1.0	Q	Q	.02	.4	.08	.6	Q	Q
OTHER.....	1.0	.09	1.0	Q	Q	.02	.4	.02	.1	.05	.4
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.....	4.7	.52	4.8	.20	.9	.15	2.6	.15	1.2	.01	.1
<2,000 CDD AND <4,000 HDD.....	5.2	.51	4.7	.19	.8	.19	2.8	.10	.8	.05	.4
>2,000 CDD AND <4,000 HDD.....	4.1	.25	3.7	.03	.1	.18	3.1	.02	.2	.03	.2

SEE FOOTNOTES AT END OF TABLE.



Total Residential Consumption and Expenditures

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

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUID 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.....	5.2	0.47	4.0	0.20	0.7	0.24	3.0	0.01	Q	0.03	0.2
AREA TYPE											
URBAN.....	2.6	.27	2.0	.15	.5	.11	1.4	Q	Q	Q	Q
RURAL.....	2.6	.20	2.0	.04	.2	.13	1.6	Q	Q	.03	.2
SMSA STATUS											
SMSA.....	2.0	.20	1.6	.10	.3	.09	1.2	Q	Q	Q	Q
NON-SMSA.....	3.1	.28	2.5	.10	.4	.15	1.9	Q	Q	.03	.2
UTILITIES PAID BY HOUSEHOLD											
ALL PAID BY HOUSEHOLD.....	4.7	.45	3.8	.19	.7	.23	2.9	.01	Q	.03	.2
SOME, NONE, OTHER PAID BY HOUSEHOLD.....	.4	.02	.2	.01	Q	.01	.1	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE											
SINGLE FAMILY OR MOBILE HOME..	4.4	.43	3.6	.17	.6	.22	2.8	.01	Q	.03	.2
2 OR MORE UNITS.....	.8	.05	.4	.03	.1	.02	.3	Q	Q	Q	Q
NUMBER OF ROOMS											
1 TO 3.....	.6	.03	.3	.01	.1	.01	.2	Q	Q	Q	Q
4 TO 5.....	2.3	.18	1.6	.08	.3	.09	1.2	Q	Q	.01	.1
6 OR MORE.....	2.3	.26	2.1	.11	.4	.14	1.7	Q	Q	.01	.1
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED											
ALL.....	3.3	.32	2.8	.13	.5	.18	2.2	Q	Q	.01	.1
SOME.....	.8	.08	.6	.04	.1	.03	.4	Q	Q	.01	Q
NONE.....	1.1	.08	.6	.03	.1	.03	.4	Q	Q	.01	.1
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)											
LESS THAN 1000.....	1.8	0.13	1.0	0.06	0.2	0.06	0.7	Q	Q	0.01	0.1
1,000 TO 1,999.....	2.4	.23	1.9	.09	.3	.12	1.5	Q	Q	.01	.1
2,000 OR MORE.....	1.0	.12	1.0	.05	.2	.07	.8	Q	Q	Q	Q
YEAR HOUSE BUILT											
1939 OR EARLIER.....	.9	.09	.6	.05	.2	.03	.4	Q	Q	.01	.1
1940 TO 1959.....	1.3	.14	1.0	.08	.3	.05	.7	Q	Q	.01	.1
1960 OR LATER.....	2.9	.25	2.4	.07	.3	.16	2.0	Q	Q	.01	.1
OWN/RENT											
OWN.....	3.8	.38	3.2	.16	.5	.19	2.4	Q	Q	.02	.2
RENT.....	1.4	.10	.8	.04	.2	.05	.6	Q	Q	Q	Q
1979 FAMILY INCOME											
LESS THAN \$10,000.....	2.2	.17	1.4	.07	.3	.08	1.0	Q	Q	.01	.1
\$10,000 TO \$19,999.....	1.4	.13	1.1	.06	.2	.06	.8	Q	Q	.01	.1
\$20,000 TO \$34,999.....	1.1	.13	1.1	.05	.2	.07	.9	Q	Q	Q	Q
\$35,000 OR MORE.....	.4	.05	.4	.02	.1	.03	.4	Q	Q	Q	Q
TOTAL POOR (100 PERCENT LEVEL)..	1.1	.08	.7	.03	.1	.04	.5	Q	Q	.01	.1
TOTAL POOR (125 PERCENT LEVEL)..	1.4	.10	.9	.04	.2	.05	.6	Q	Q	.01	.1
AGE OF HOUSEHOLD HEAD											
UNDER 35 YEARS.....	1.6	.14	1.2	.06	.2	.07	.9	Q	Q	.01	Q
35 TO 59 YEARS.....	2.0	.20	1.8	.07	.3	.11	1.4	Q	Q	.01	.1
60 YEARS AND OVER.....	1.6	.14	1.1	.06	.2	.06	.7	Q	Q	.01	.1
HOUSEHOLD MEMBERS											
1.....	1.0	.07	.5	.04	.1	.03	.4	Q	Q	Q	Q
2.....	1.7	.15	1.3	.07	.2	.07	.9	Q	Q	.01	.1
3 OR MORE.....	2.4	.25	2.2	.10	.3	.14	1.7	Q	Q	.01	.1

SEE FOOTNOTES AT END OF TABLE.



Total Residential Consumption and Expenditures

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

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUID 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.....	2.2	0.27	1.7	0.19	0.7	0.07	1.0	Q	Q	Q	Q
ELECTRICITY.....	1.8	.13	1.5	Q	Q	.12	1.5	Q	Q	Q	Q
FUEL OIL.....	.1	.01	.1	Q	Q	Q	Q	0.01	Q	Q	Q
OTHER.....	1.1	.07	.7	Q	Q	.04	.5	Q	Q	0.03	0.2
HOT WATER FUEL											
NATURAL GAS.....	1.8	.22	1.4	.16	.6	.06	.8	Q	Q	Q	Q
ELECTRICITY.....	3.1	.23	2.5	.04	.1	.18	2.1	.01	Q	.01	.1
FUEL OIL.....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER.....	.3	.02	.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.....	1.2	.12	.9	.06	.2	.05	.7	Q	Q	Q	Q
<2,000 CDD AND <4,000 HDD.....	3.1	.27	2.4	.10	.4	.15	1.9	Q	Q	.02	.1
>2,000 CDD AND <4,000 HDD.....	.9	.09	.7	.04	.2	.04	.5	Q	Q	.01	.1

SEE FOOTNOTES AT END OF TABLE.



Total Residential Consumption and Expenditures

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

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUID 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.....	7.7	0.83	6.4	0.50	1.7	0.30	4.4	Q	Q	0.03	0.2
AREA TYPE											
URBAN.....	5.7	.62	4.6	.41	1.3	.21	3.2	Q	Q	Q	Q
RURAL.....	2.0	.21	1.8	.09	.4	.08	1.2	Q	Q	.03	.2
SMSA STATUS											
SMSA.....	5.2	.57	4.2	.36	1.2	.20	3.0	Q	Q	Q	Q
NON-SMSA.....	2.5	.26	2.2	.14	.5	.09	1.5	Q	Q	.03	.2
UTILITIES PAID BY HOUSEHOLD											
ALL PAID BY HOUSEHOLD.....	6.9	.77	5.9	.47	1.6	.27	4.1	Q	Q	.03	.2
SOME, NONE, OTHER PAID BY HOUSEHOLD.....	.9	.05	.5	.03	.1	.02	.4	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE											
SINGLE FAMILY OR MOBILE HOME..	6.5	.76	5.7	.46	1.6	.26	3.9	Q	Q	.03	.2
2 OR MORE UNITS.....	1.2	.07	.7	.04	.1	.03	.5	Q	Q	Q	Q
NUMBER OF ROOMS											
1 TO 3.....	1.0	.06	.5	.03	.1	.02	.4	Q	Q	.01	Q
4 TO 5.....	4.0	.39	3.0	.23	.8	.14	2.1	Q	Q	.02	.1
6 OR MORE.....	2.8	.39	2.8	.24	.8	.14	2.0	Q	Q	.01	.1
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED											
ALL.....	5.2	.56	4.7	.31	1.1	.24	3.4	Q	Q	.02	.1
SOME.....	1.2	.13	.9	.09	.3	.04	.6	Q	Q	Q	Q
NONE.....	1.4	.14	.8	.10	.3	.02	.4	Q	Q	.01	.1
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)											
LESS THAN 1000.....	3.0	0.24	1.9	0.14	0.5	0.08	1.3	Q	Q	0.02	0.1
1,000 TO 1,999.....	3.7	.42	3.2	.25	.9	.15	2.3	Q	Q	.01	.1
2,000 OR MORE.....	1.0	.17	1.2	.11	.3	.06	.9	Q	Q	Q	Q
YEAR HOUSE BUILT											
1939 OR EARLIER.....	1.1	.12	.8	.09	.3	.02	.4	Q	Q	.01	Q
1940 TO 1959.....	2.4	.30	2.0	.20	.7	.08	1.3	Q	Q	.01	.1
1960 OR LATER.....	4.2	.41	3.6	.21	.7	.19	2.8	Q	Q	.01	.1
OWN/RENT											
OWN.....	5.4	.63	4.9	.38	1.3	.23	3.4	Q	Q	.02	.2
RENT.....	2.4	.19	1.5	.12	.4	.06	1.0	Q	Q	.01	.1
1979 FAMILY INCOME											
LESS THAN \$10,000.....	2.5	.21	1.6	.14	.5	.06	.9	Q	Q	.01	.1
\$10,000 TO \$19,999.....	2.3	.22	1.7	.13	.5	.08	1.2	Q	Q	.01	.1
\$20,000 TO \$34,999.....	2.0	.24	1.9	.13	.5	.10	1.4	Q	Q	.01	.1
\$35,000 OR MORE.....	1.0	.15	1.2	.09	.3	.06	.9	Q	Q	Q	Q
TOTAL POOR (100 PERCENT LEVEL)..	1.3	.11	.8	.07	.3	.03	.5	Q	Q	.01	.1
TOTAL POOR (125 PERCENT LEVEL)..	1.6	.15	1.1	.10	.4	.04	.6	Q	Q	.01	.1
AGE OF HOUSEHOLD HEAD											
UNDER 35 YEARS.....	2.9	.27	2.1	.15	.5	.10	1.5	Q	Q	.01	.1
35 TO 59 YEARS.....	2.9	.35	2.7	.22	.7	.13	1.9	Q	Q	.01	Q
60 YEARS AND OVER.....	2.0	.21	1.6	.13	.5	.06	1.0	Q	Q	.01	.1
HOUSEHOLD MEMBERS											
1.....	1.5	.11	.9	.06	.2	.04	.6	Q	Q	Q	Q
2.....	2.5	.26	2.0	.17	.6	.09	1.3	Q	Q	.01	.1
3 OR MORE.....	3.8	.45	3.5	.27	.9	.16	2.4	Q	Q	.02	.2

SEE FOOTNOTES AT END OF TABLE.



Total Residential Consumption and Expenditures

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

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUID 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.....	5.6	0.68	4.6	0.48	1.6	0.20	3.0	Q	Q	Q	Q
ELECTRICITY.....	1.6	.10	1.2	.02	.1	.08	1.2	Q	Q	Q	Q
FUEL OIL.....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER.....	.6	.05	.5	Q	Q	.02	.3	Q	Q	0.03	0.2
HOT WATER FUEL											
NATURAL GAS.....	5.7	.67	4.7	.48	1.6	.20	3.0	Q	Q	Q	Q
ELECTRICITY.....	1.6	.11	1.3	.02	.1	.09	1.2	Q	Q	Q	Q
FUEL OIL.....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER.....	.5	.04	.4	Q	Q	.01	.2	Q	Q	.03	.2
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.....	1.8	.21	1.3	.15	.4	.05	.9	Q	Q	.01	.1
>2,000 CDD AND <4,000 HDD.....	6.0	.62	5.1	.35	1.4	.24	3.6	Q	Q	.02	.2

SEE FOOTNOTES AT END OF TABLE.



Total Residential Consumption and Expenditures

Table 1. (Continued)
Census Region: West

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUID 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.....	16.0	1.38	9.6	0.89	3.1	0.41	5.9	0.04	0.3	0.04	0.3
AREA TYPE											
URBAN.....	13.0	1.12	7.5	.79	2.8	.30	4.5	.02	.2	.01	.1
RURAL.....	3.0	.25	2.1	.10	.3	.11	1.4	.01	.1	.03	.3
SHSA STATUS											
SHSA.....	12.6	1.07	7.4	.74	2.6	.30	4.6	.02	.2	.01	.1
NON-SHSA.....	3.4	.31	2.2	.15	.5	.11	1.3	.01	.1	.03	.2
UTILITIES PAID BY HOUSEHOLD											
ALL PAID BY HOUSEHOLD.....	13.7	1.22	8.6	.77	2.7	.38	5.4	.04	.3	.03	.2
SOME, NONE, OTHER PAID BY HOUSEHOLD.....	2.3	.16	1.0	.11	.4	.04	.6	Q	Q	.01	.1
TYPE OF HOUSING STRUCTURE											
SINGLE FAMILY OR MOBILE HOME..	11.9	1.14	8.0	.72	2.5	.34	4.9	.03	.3	.04	.3
2 OR MORE UNITS.....	4.1	.24	1.6	.17	.6	.07	1.0	Q	Q	Q	Q
NUMBER OF ROOMS											
1 TO 3.....	2.6	.14	.9	.09	.3	.04	.5	Q	Q	.01	.1
4 TO 5.....	7.1	.55	3.9	.35	1.2	.17	2.4	.01	.1	.02	.1
6 OR MORE.....	6.2	.68	4.8	.45	1.6	.20	2.9	.02	.2	.01	.1
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED											
ALL.....	4.0	.34	2.8	.21	.8	.11	1.9	Q	Q	.01	.1
SOME.....	1.8	.15	1.0	.10	.3	.04	.6	Q	Q	Q	Q
NONE.....	10.2	.89	5.8	.58	2.0	.26	3.3	.03	.2	.03	.2
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)											
LESS THAN 1000.....	6.4	0.40	2.9	0.25	0.9	0.13	1.8	Q	Q	0.02	0.2
1,000 TO 1,999.....	6.6	.62	4.3	.40	1.4	.18	2.7	0.02	0.1	.01	.1
2,000 OR MORE.....	2.9	.36	2.4	.24	.8	.10	1.4	.01	.1	Q	Q
YEAR HOUSE BUILT											
1939 OR EARLIER.....	2.8	.24	1.5	.17	.6	.05	.8	.01	.1	.01	Q
1940 TO 1959.....	4.5	.41	2.7	.28	1.0	.10	1.5	.01	.1	Q	Q
1960 OR LATER.....	8.7	.73	5.4	.44	1.5	.25	3.6	.01	.1	.03	.2
OWN/RENT											
OWN.....	10.1	.99	7.0	.64	2.2	.30	4.3	.03	.2	.03	.2
RENT.....	5.9	.38	2.6	.25	.9	.11	1.6	.01	.1	.01	.1
1979 FAMILY INCOME											
LESS THAN \$10,000.....	4.4	.33	2.2	.22	.8	.09	1.2	Q	Q	.01	.1
\$10,000 TO \$19,999.....	4.8	.39	2.7	.25	.9	.12	1.7	.01	.1	.01	.1
\$20,000 TO \$34,999.....	4.5	.42	3.0	.25	.9	.13	1.9	.02	.1	.01	.1
\$35,000 OR MORE.....	2.3	.24	1.8	.17	.6	.07	1.1	.01	Q	Q	Q
TOTAL POOR (100 PERCENT LEVEL)..	1.8	.13	.9	.09	.3	.04	.5	Q	Q	Q	Q
TOTAL POOR (125 PERCENT LEVEL)..	2.4	.17	1.1	.12	.4	.05	.7	Q	Q	Q	Q
AGE OF HOUSEHOLD HEAD											
UNDER 35 YEARS.....	5.8	.44	3.1	.28	1.0	.14	2.0	.01	.1	.01	.1
35 TO 59 YEARS.....	6.3	.62	4.3	.40	1.4	.18	2.6	.02	.1	.02	.2
60 YEARS AND OVER.....	3.9	.32	2.2	.21	.7	.09	1.3	.01	.1	.01	.1
HOUSEHOLD MEMBERS											
1.....	3.4	.21	1.4	.13	.5	.06	.8	.01	.1	.01	.1
2.....	5.4	.44	3.0	.29	1.0	.13	1.8	.02	.1	.01	.1
3 OR MORE.....	7.2	.73	5.2	.47	1.6	.22	3.3	.01	.1	.02	.2

SEE FOOTNOTES AT END OF TABLE.



Total Residential Consumption and Expenditures

Table 1. (Continued)
Census Region: West

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUID 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	1.08	6.8	0.86	3.0	0.22	3.8	Q	Q	Q	Q
ELECTRICITY.....	2.9	.15	1.4	.02	.1	.13	1.3	Q	Q	Q	Q
FUEL OIL.....	.5	.05	.4	Q	Q	.02	.2	0.03	0.3	Q	Q
OTHER.....	1.5	.09	1.0	.01	Q	.04	.7	Q	Q	0.04	0.3
HOT WATER FUEL											
NATURAL GAS.....	11.3	1.07	6.8	.85	2.9	.21	3.9	Q	Q	Q	Q
ELECTRICITY.....	3.8	.25	2.2	.04	.2	.18	1.7	.03	.2	Q	Q
FUEL OIL.....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER.....	.8	.05	.6	Q	Q	.02	.4	Q	Q	.03	.3
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE											
<2,000 CDD AND >7,000 HDD.....	1.4	.19	1.0	.14	.4	.04	.5	Q	Q	.01	.1
<2,000 CDD AND 5,500 TO 7,000 HDD.....	1.4	.16	.9	.09	.3	.05	.5	.01	.1	.01	.1
<2,000 CDD AND 4,000 TO 5,499 HDD.....	3.0	.26	1.7	.10	.5	.13	1.1	.02	.2	Q	Q
<2,000 CDD AND <4,000 HDD.....	9.0	.71	5.0	.54	1.8	.16	3.1	Q	Q	.01	.1
>2,000 CDD AND <4,000 HDD.....	1.1	.06	.9	.02	.1	.04	.8	Q	Q	Q	Q

SEE FOOTNOTES AT END OF TABLE.



Total Residential Consumption and Expenditures

Table 1. (Continued)
Census Division: Mountain

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUID 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.....	4.1	0.43	2.9	0.29	1.0	0.11	1.7	0.01	Q	0.02	0.2
AREA TYPE											
URBAN.....	2.9	.32	2.0	.24	.8	.07	1.2	Q	Q	Q	Q
RURAL.....	1.2	.11	.8	.05	.2	.04	.5	Q	Q	.02	.2
SMSA STATUS											
SMSA.....	2.6	.27	1.8	.20	.6	.07	1.2	Q	Q	Q	Q
NON-SMSA.....	1.5	.16	1.1	.09	.3	.04	.5	.01	Q	.02	.2
UTILITIES PAID BY HOUSEHOLD											
ALL PAID BY HOUSEHOLD.....	3.5	.39	2.6	.26	.9	.10	1.6	.01	Q	.02	.1
SOME, NONE ,OTHER PAID BY HOUSEHOLD.....	.6	.05	.3	.03	.1	.01	.1	Q	Q	.01	Q
TYPE OF HOUSING STRUCTURE											
SINGLE FAMILY OR MOBILE HOME..	3.4	.38	2.5	.26	.8	.09	1.4	.01	Q	.02	.2
2 OR MORE UNITS.....	.7	.05	.4	.03	.1	.02	.3	Q	Q	Q	Q
NUMBER OF ROOMS											
1 TO 3.....	.5	.03	.3	.02	.1	.01	.1	Q	Q	.01	Q
4 TO 5.....	2.1	.20	1.4	.13	.4	.05	.9	Q	Q	.02	.1
6 OR MORE.....	1.4	.20	1.2	.14	.5	.05	.7	Q	Q	Q	Q
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED											
ALL.....	1.4	.12	1.1	.06	.2	.05	.8	Q	Q	.01	Q
SOME.....	.4	.04	.2	.03	.1	.01	.1	Q	Q	Q	Q
NONE.....	2.3	.28	1.6	.20	.6	.05	.8	Q	Q	.02	.1
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)											
LESS THAN 1000.....	1.7	0.13	0.9	0.08	0.3	0.03	0.5	Q	Q	0.01	0.1
1,000 TO 1,999.....	1.7	.18	1.3	.12	.4	.05	.8	Q	Q	.01	.1
2,000 OR MORE.....	.8	.12	.7	.09	.3	.02	.4	Q	Q	Q	Q
YEAR HOUSE BUILT											
1939 OR EARLIER.....	.7	.08	.4	.06	.2	.01	.2	Q	Q	Q	Q
1940 TO 1959.....	1.1	.13	.8	.10	.3	.03	.4	Q	Q	Q	Q
1960 OR LATER.....	2.3	.22	1.7	.14	.4	.07	1.1	Q	Q	.02	.1
OWN/RENT											
OWN.....	2.9	.34	2.2	.23	.7	.08	1.3	0.01	Q	.02	.1
RENT.....	1.2	.10	.7	.07	.2	.03	.4	Q	Q	.01	Q
1979 FAMILY INCOME											
LESS THAN \$10,000.....	1.1	.10	.7	.07	.2	.02	.4	Q	Q	.01	.1
\$10,000 TO \$19,999.....	1.5	.15	1.0	.10	.3	.04	.6	Q	Q	.01	Q
\$20,000 TO \$34,999.....	1.1	.13	.9	.08	.3	.03	.5	Q	Q	.01	.1
\$35,000 OR MORE.....	.3	.05	.3	.03	.1	.01	.2	Q	Q	Q	Q
TOTAL POOR (100 PERCENT LEVEL)..	.5	.05	.3	.04	.1	.01	.2	Q	Q	Q	Q
TOTAL POOR (125 PERCENT LEVEL)..	.6	.06	.4	.04	.1	.01	.2	Q	Q	Q	Q
AGE OF HOUSEHOLD HEAD											
UNDER 35 YEARS.....	1.6	.14	1.1	.09	.3	.04	.7	Q	Q	.01	Q
35 TO 59 YEARS.....	1.5	.19	1.2	.13	.4	.05	.7	Q	Q	.01	.1
60 YEARS AND OVER.....	.9	.10	.6	.07	.2	.02	.3	Q	Q	.01	Q
HOUSEHOLD MEMBERS											
1.....	1.0	.07	.5	.04	.2	.02	.3	Q	Q	.01	.1
2.....	1.4	.14	.9	.10	.3	.03	.5	Q	Q	.01	Q
3 OR MORE.....	1.8	.22	1.4	.15	.5	.06	.9	Q	Q	.01	.1

SEE FOOTNOTES AT END OF TABLE.



Total Residential Consumption and Expenditures

Table 1. (Continued)
Census Division: Mountain

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUID 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.....	2.9	0.35	2.0	0.29	0.9	0.06	1.0	Q	Q	Q	Q
ELECTRICITY.....	.7	.03	.5	Q	Q	.03	.5	Q	Q	Q	Q
FUEL OIL.....	.1	.01	.1	Q	Q	Q	Q	0.01	Q	Q	Q
OTHER.....	.5	.04	.4	Q	Q	.01	.2	Q	Q	0.02	0.2
HOT WATER FUEL											
NATURAL GAS.....	2.8	.34	2.0	.28	.9	.06	1.0	Q	Q	Q	Q
ELECTRICITY.....	.9	.06	.6	.01	Q	.04	.5	.01	Q	Q	Q
FUEL OIL.....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER.....	.4	.03	.3	Q	Q	.01	.1	Q	Q	.02	.2
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE											
<2,000 CDD AND >7,000 HDD.....	1.3	.17	.9	.13	.4	.03	.4	Q	Q	.01	.1
<2,000 CDD AND 5,500 TO 7,000 HDD.....	1.2	.13	.8	.09	.3	.03	.4	.01	Q	.01	.1
<2,000 CDD AND 4,000 TO 5,499 HDD.....	.3	.04	.3	.03	.1	.01	.1	Q	Q	Q	Q
<2,000 CDD AND <4,000 HDD.....	.6	.04	.3	.02	.1	.01	.2	Q	Q	Q	Q
>2,000 CDD AND <4,000 HDD.....	.7	.05	.6	.02	.1	.03	.5	Q	Q	Q	Q

SEE FOOTNOTES AT END OF TABLE.



Total Residential Consumption and Expenditures

Table 1. (Continued)
Census Division: Pacific

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUID 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.....	11.8	0.95	6.7	0.60	2.1	0.30	4.2	0.03	0.2	0.01	0.1
AREA TYPE											
URBAN.....	10.0	.80	5.5	.55	2.0	.23	3.3	.02	.2	Q	Q
RURAL.....	1.8	.14	1.2	.05	.2	.08	.9	.01	.1	.01	.1
SMSA STATUS											
SMSA.....	10.0	.80	5.6	.54	2.0	.23	3.4	.02	.2	.01	.1
NON-SMSA.....	1.9	.14	1.1	.06	.2	.07	.8	.01	.1	.01	.1
UTILITIES PAID BY HOUSEHOLD											
ALL PAID BY HOUSEHOLD.....	10.1	.83	6.0	.51	1.9	.28	3.8	.03	.2	.01	.1
SOME, NONE, OTHER PAID BY HOUSEHOLD.....	1.7	.11	.7	.08	.3	.03	.4	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE											
SINGLE FAMILY OR MOBILE HOME..	8.5	.76	5.5	.47	1.7	.25	3.5	.03	.2	.01	.1
2 OR MORE UNITS.....	3.3	.19	1.2	.13	.5	.06	.7	Q	Q	Q	Q
NUMBER OF ROOMS											
1 TO 3.....	2.1	.11	.7	.07	.2	.03	.4	Q	Q	.01	Q
4 TO 5.....	4.9	.35	2.5	.22	.8	.12	1.6	.01	.1	Q	Q
6 OR MORE.....	4.8	.49	3.6	.31	1.1	.15	2.2	.02	.2	.01	.1
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED											
ALL.....	2.6	.22	1.7	.15	.5	.07	1.2	Q	Q	.01	Q
SOME.....	1.4	.11	.8	.07	.2	.03	.5	Q	Q	Q	Q
NONE.....	7.9	.61	4.2	.38	1.4	.20	2.6	.03	.2	.01	.1
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)											
LESS THAN 1000.....	4.7	0.27	2.0	0.16	0.6	0.09	1.3	Q	Q	0.01	0.1
1,000 TO 1,999.....	5.0	.44	3.0	.29	1.0	.13	1.9	0.02	0.1	Q	Q
2,000 OR MORE.....	2.1	.24	1.7	.15	.6	.08	1.1	.01	.1	Q	Q
YEAR HOUSE BUILT											
1939 OR EARLIER.....	2.1	.16	1.1	.11	.4	.04	.6	.01	.1	Q	Q
1940 TO 1959.....	3.4	.28	1.9	.19	.7	.08	1.1	.01	.1	Q	Q
1960 OR LATER.....	6.4	.51	3.8	.31	1.1	.19	2.5	.01	.1	.01	.1
OWN/RENT											
OWN.....	7.2	.66	4.8	.41	1.5	.22	3.0	.02	.2	.01	.1
RENT.....	4.7	.29	1.9	.19	.7	.09	1.2	.01	.1	Q	Q
1979 FAMILY INCOME											
LESS THAN \$10,000.....	3.2	.22	1.5	.15	.5	.07	.9	Q	Q	.01	.1
\$10,000 TO \$19,999.....	3.3	.24	1.7	.15	.5	.08	1.1	.01	.1	Q	Q
\$20,000 TO \$34,999.....	3.4	.28	2.1	.17	.6	.10	1.3	.01	.1	Q	Q
\$35,000 OR MORE.....	1.9	.20	1.5	.13	.5	.06	.9	Q	Q	Q	Q
TOTAL POOR (100 PERCENT LEVEL)..	1.3	.08	.5	.06	.2	.03	.3	Q	Q	Q	Q
TOTAL POOR (125 PERCENT LEVEL)..	1.8	.12	.8	.08	.3	.04	.5	Q	Q	Q	Q
AGE OF HOUSEHOLD HEAD											
UNDER 35 YEARS.....	4.2	.30	2.1	.19	.7	.10	1.3	.01	Q	Q	Q
35 TO 59 YEARS.....	4.7	.43	3.1	.27	1.0	.13	1.9	.01	.1	.01	.1
60 YEARS AND OVER.....	2.9	.22	1.6	.14	.5	.07	1.0	.01	.1	Q	Q
HOUSEHOLD MEMBERS											
1.....	2.5	.14	.9	.09	.3	.04	.5	.01	Q	Q	Q
2.....	4.0	.30	2.1	.19	.7	.09	1.3	.01	.1	Q	Q
3 OR MORE.....	5.4	.51	3.7	.32	1.2	.16	2.4	.01	.1	.01	.1

SEE FOOTNOTES AT END OF TABLE.



Total Residential Consumption and Expenditures

Table 1. (Continued)
Census Division: Pacific

HOUSEHOLD CHARACTERISTICS	NUMBER OF HOUSEHOLDS (MILLIONS)	ALL FUELS		NATURAL GAS		ELECTRICITY		FUEL OIL OR KEROSENE		LIQUID 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.....	8.3	0.73	4.8	0.57	2.0	0.16	2.8	Q	Q	Q	Q
ELECTRICITY.....	2.2	.12	.9	.01	.1	.10	.8	Q	Q	Q	Q
FUEL OIL.....	.4	.04	.4	Q	Q	.02	.1	0.03	0.2	Q	Q
OTHER.....	1.0	.05	.6	.01	Q	.03	.5	Q	Q	0.01	0.1
HOT WATER FUEL											
NATURAL GAS.....	8.4	.72	4.8	.57	2.0	.15	2.8	Q	Q	Q	Q
ELECTRICITY.....	2.9	.20	1.5	.03	.2	.14	1.2	.02	.2	Q	Q
FUEL OIL.....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER.....	.5	.02	.4	Q	Q	.01	.2	Q	Q	.01	.1
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE											
<2,000 CDD AND >7,000 HDD.....	.1	.02	.1	.01	Q	Q	Q	Q	Q	Q	Q
<2,000 CDD AND 5,500 TO 7,000 HDD.....	.2	.02	.1	Q	Q	.02	.1	Q	Q	Q	Q
<2,000 CDD AND 4,000 TO 5,499 HDD.....	2.7	.22	1.5	.07	.3	.12	.9	.02	.2	Q	Q
<2,000 CDD AND <4,000 HDD.....	8.4	.67	4.7	.51	1.8	.15	2.9	Q	Q	.01	.1
>2,000 CDD AND <4,000 HDD.....	.4	.01	.3	Q	Q	.01	.3	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 1980 RESIDENTIAL ENERGY CONSUMPTION SURVEY.



Average Residential Fuel Consumption

Table 2. U.S. Average Residential Energy Consumption of All Fuels Used in the Household, by Main Heating Fuel Type—April 1980 Through March 1981, United States (Million Btu per Household)

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID 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)
TOTAL HOUSEHOLDS.....	81.6	114	44.6	131	14.3	60	13.4	145	3.7	105
AREA TYPE										
URBAN.....	56.0	120	37.9	130	8.0	55	8.6	152	.5	71
RURAL.....	25.6	101	6.7	138	6.3	67	4.8	133	3.2	111
SMSA STATUS										
SMSA.....	55.6	118	34.1	129	9.6	57	9.3	150	1.1	92
NON-SMSA.....	26.0	107	10.5	135	4.7	68	4.1	134	2.5	111
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD.....	69.3	117	37.7	137	12.4	64	10.1	147	3.5	106
SOME, NONE ,OTHER PAID BY HOUSEHOLD.....	12.4	97	6.9	95	1.9	37	3.3	140	.2	89
TYPE OF HOUSING STRUCTURE										
SINGLE FAMILY OR MOBILE HOME..	60.9	121	33.4	141	9.2	72	9.4	144	3.5	107
2 OR MORE UNITS.....	20.7	93	11.2	100	5.1	38	4.0	147	.2	80
NUMBER OF ROOMS										
1 TO 3	10.6	73	4.9	82	3.0	33	1.8	121	.5	74
4 TO 5.....	35.1	101	19.5	114	6.2	56	5.1	131	2.1	98
6 OR MORE.....	35.9	139	20.2	159	5.1	82	6.5	162	1.1	136
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED										
ALL.....	29.8	109	16.6	132	9.0	63	2.2	141	1.2	109
SOME.....	16.9	128	9.4	139	1.7	51	4.3	154	.7	89
NONE.....	34.9	112	18.5	126	3.6	59	6.8	141	1.9	108
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 1000.....	28.5	86	14.7	95	5.8	41	4.7	127	1.8	86
1,000 TO 1,999.....	34.0	116	19.4	133	5.8	65	5.0	139	1.3	115
2,000 OR MORE.....	19.1	154	10.5	176	2.7	90	3.7	176	.5	148
YEAR HOUSE BUILT										
1939 OR EARLIER.....	23.3	132	13.3	141	.8	68	6.1	154	.9	125
1940 TO 1959.....	21.2	121	13.7	129	1.6	64	4.1	139	.6	102
1960 OR LATER.....	37.2	99	17.6	125	11.9	59	3.2	136	2.1	98
OWN/RENT										
OWN.....	54.3	125	29.9	144	8.5	72	8.7	150	2.9	107
RENT.....	27.3	93	14.7	104	5.8	43	4.7	135	.8	98
1979 FAMILY INCOME										
LESS THAN \$10,000.....	24.2	102	12.8	114	3.9	48	4.4	140	1.3	90
\$10,000 TO \$19,999.....	25.7	107	13.5	123	4.5	55	4.2	137	1.2	103
\$20,000 TO \$34,999.....	22.3	124	12.7	142	4.1	69	3.4	150	.8	121
\$35,000 OR MORE.....	9.4	143	5.6	161	1.8	81	1.4	172	.3	139
TOTAL POOR (100 PERCENT LEVEL)..	10.9	105	5.9	123	1.8	51	1.7	138	0.6	92
TOTAL POOR (125 PERCENT LEVEL)..	14.8	105	7.8	121	2.3	51	2.6	138	.8	95
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS.....	26.8	98	14.4	117	6.2	52	3.2	135	1.2	99
35 TO 59 YEARS.....	33.0	128	18.5	147	4.7	73	5.7	149	1.4	115
60 YEARS AND OVER.....	21.8	112	11.7	123	3.3	57	4.5	147	1.1	101

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Consumption

Table 2. (Continued)
United States

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID 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)
HOUSEHOLD MEMBERS										
1.....	15.7	86	8.2	95	3.6	42	2.7	133	.6	82
2.....	26.8	108	14.4	122	4.8	53	4.8	139	1.2	101
3 OR MORE.....	39.1	130	21.9	150	5.8	78	5.9	155	1.8	117
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE										
<2,000 CDD AND >7,000 HDD.....	8.5	125	4.3	147	.6	63	1.8	142	.5	133
<2,000 CDD AND 5,500 TO 7,000 HDD.....	20.9	141	13.5	157	2.5	60	3.6	155	.6	119
<2,000 CDD AND 4,000 TO 5,499 HDD.....	21.1	122	9.0	141	3.6	63	6.4	147	.6	124
<2,000 CDD AND <4,000 HDD.....	19.0	90	12.1	99	3.1	60	1.2	125	.9	93
>2,000 CDD AND <4,000 HDD.....	12.1	85	5.7	110	4.5	58	.4	90	1.0	82

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Consumption

Table 2. (Continued)
Census Region: Northeast

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID 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)
TOTAL HOUSEHOLDS.....	17.7	138	6.6	146	1.6	57	8.2	158	0.2	101
AREA TYPE										
URBAN.....	13.2	144	5.7	144	.8	57	6.3	160	Q	Q
RURAL.....	4.5	119	.9	159	.8	57	1.9	150	.1	101
SMSA STATUS										
SMSA.....	13.9	139	5.4	142	1.3	55	6.7	158	.1	88
NON-SMSA.....	3.7	131	1.2	165	.3	65	1.5	155	.1	125
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD.....	13.1	142	5.1	158	1.4	61	5.4	165	.2	101
SOME, NONE, OTHER PAID BY HOUSEHOLD.....	4.6	124	1.5	105	.2	25	2.8	143	Q	Q
TYPE OF HOUSING STRUCTURE										
SINGLE FAMILY OR MOBILE HOME..	10.9	145	4.0	163	1.0	73	4.8	162	.1	111
2 OR MORE UNITS.....	6.8	127	2.6	120	.6	32	3.4	151	.1	91
NUMBER OF ROOMS										
1 TO 3.....	2.7	105	.9	93	.3	25	1.5	129	Q	Q
4 TO 5.....	6.4	122	2.4	129	.8	51	2.8	148	.2	91
6 OR MORE.....	8.5	160	3.3	173	.6	79	3.9	175	Q	Q
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED										
ALL.....	2.9	133	1.3	149	0.5	66	1.0	149	Q	Q
SOME.....	5.8	142	2.2	144	.5	38	2.9	163	Q	Q
NONE.....	9.0	136	3.1	146	.6	64	4.3	156	0.1	103
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 1000.....	5.9	118	2.1	106	.5	39	3.0	142	.1	94
1,000 TO 1,999.....	6.6	134	2.7	149	.6	61	2.8	149	Q	Q
2,000 OR MORE.....	5.1	165	1.8	189	.4	73	2.3	188	Q	Q
YEAR HOUSE BUILT										
1939 OR EARLIER.....	8.1	147	3.2	144	.1	75	4.2	162	Q	Q
1940 TO 1959.....	3.9	143	1.3	148	.1	30	2.2	153	Q	Q
1960 OR LATER.....	5.7	121	2.1	149	1.3	58	1.7	153	.1	93
OWN/RENT										
OWN.....	11.1	149	4.1	165	.9	73	5.1	167	.1	115
RENT.....	6.6	118	2.5	116	.7	35	3.1	142	.1	94
1979 FAMILY INCOME										
LESS THAN \$10,000.....	4.7	135	1.6	133	.3	49	2.6	155	Q	Q
\$10,000 TO \$19,999.....	6.0	126	2.3	132	.4	49	2.7	149	.1	91
\$20,000 TO \$34,999.....	5.1	142	2.1	156	.6	61	2.0	161	.1	84
\$35,000 OR MORE.....	1.9	170	.6	196	.2	77	.9	181	Q	Q
TOTAL POOR (100 PERCENT LEVEL)..	1.7	139	0.7	146	0.2	48	0.8	159	Q	Q
TOTAL POOR (125 PERCENT LEVEL)..	2.7	137	.9	145	.3	51	1.4	155	Q	Q
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS.....	5.3	116	2.0	127	.9	48	1.9	147	0.1	93
35 TO 59 YEARS.....	7.7	147	2.9	163	.5	68	3.5	162	Q	Q
60 YEARS AND OVER.....	4.7	147	1.7	139	.2	70	2.8	159	Q	Q

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Consumption

Table 2. (Continued)
Census Region: Northeast

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID 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)
HOUSEHOLD MEMBERS										
1.....	3.5	114	1.3	101	.4	37	1.8	142	Q	Q
2.....	5.5	132	2.0	132	.4	50	2.8	153	Q	Q
3 OR MORE.....	8.6	151	3.4	171	.7	73	3.6	169	.1	107
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE										
<2,000 CDD AND >7,000 HDD.....	1.7	112	.1	142	.1	73	.8	158	Q	Q
<2,000 CDD AND 5,500 TO 7,000 HDD.....	7.8	137	3.6	147	.9	54	2.9	160	.1	86
<2,000 CDD AND 4,000 TO 5,499 HDD.....	8.1	144	2.9	145	.5	59	4.4	156	Q	Q
<2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Consumption

Table 2. (Continued)
Census Division: New England

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID 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)
TOTAL HOUSEHOLDS.....	4.3	132	1.1	131	0.3	49	2.3	161	Q	Q
AREA TYPE										
URBAN.....	2.9	140	1.0	131	.1	51	1.5	164	Q	Q
RURAL.....	1.3	115	.1	134	.2	48	.7	156	Q	Q
SMSA STATUS										
SMSA.....	3.1	139	1.0	132	.3	48	1.7	162	Q	Q
NON-SMSA.....	1.2	113	.1	114	Q	Q	.6	160	Q	Q
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD.....	3.6	134	.9	136	.2	58	1.9	163	Q	Q
SOME, NONE ,OTHER PAID BY HOUSEHOLD.....	.7	122	.2	110	.1	26	.4	155	Q	Q
TYPE OF HOUSING STRUCTURE										
SINGLE FAMILY OR MOBILE HOME..	2.4	136	.3	162	.2	71	1.4	164	Q	Q
2 OR MORE UNITS.....	1.9	127	.8	119	.2	30	.9	158	Q	Q
NUMBER OF ROOMS										
1 TO 3 .....	.5	80	.2	85	.1	24	.2	125	Q	Q
4 TO 5.....	1.8	122	.6	124	.1	57	.9	149	Q	Q
6 OR MORE.....	2.0	155	.4	166	.1	77	1.3	175	Q	Q
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED										
ALL.....	0.6	135	0.1	136	0.1	41	0.3	158	Q	Q
SOME.....	1.2	136	.4	133	.1	47	.6	170	Q	Q
NONE.....	2.5	130	.6	129	.1	57	1.3	159	Q	Q
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 1000.....	1.3	117	.4	112	.2	33	.6	152	Q	Q
1,000 TO 1,999.....	1.7	125	.5	125	.1	61	.9	148	Q	Q
2,000 OR MORE.....	1.3	157	.2	185	.1	77	.8	185	Q	Q
YEAR HOUSE BUILT										
1939 OR EARLIER.....	2.2	142	.8	128	Q	Q	1.3	162	Q	Q
1940 TO 1959.....	.8	141	.1	134	Q	Q	.5	165	Q	Q
1960 OR LATER.....	1.2	109	.2	141	.3	51	.5	155	Q	Q
OWN/RENT										
OWN.....	2.7	142	.5	149	.1	75	1.6	167	Q	Q
RENT.....	1.6	116	.6	117	.2	35	.7	147	Q	Q
1979 FAMILY INCOME										
LESS THAN \$10,000.....	1.0	126	.3	122	.1	26	.6	154	Q	Q
\$10,000 TO \$19,999.....	1.4	116	.4	121	.1	55	.7	148	Q	Q
\$20,000 TO \$34,999.....	1.2	137	.3	130	.1	53	.7	161	Q	Q
\$35,000 OR MORE.....	.7	166	.1	177	.1	68	.4	198	Q	Q
TOTAL POOR (100 PERCENT LEVEL)..	0.4	125	0.1	132	0.1	16	0.2	175	Q	Q
TOTAL POOR (125 PERCENT LEVEL)..	.6	117	.2	127	.1	17	.3	149	Q	Q
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS.....	1.2	113	.4	116	.1	33	.5	147	Q	Q
35 TO 59 YEARS.....	1.9	136	.4	141	.1	59	1.0	165	Q	Q
60 YEARS AND OVER.....	1.1	147	.3	136	.1	60	.7	167	Q	Q

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Consumption

Table 2. (Continued)
Census Division: New England

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID 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)
HOUSEHOLD MEMBERS										
1.....	.7	105	.2	86	.1	27	.4	146	Q	Q
2.....	1.3	133	.3	134	.1	53	.7	159	Q	Q
3 OR MORE.....	2.2	141	.5	149	.1	72	1.2	168	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE										
<2,000 CDD AND >7,000 HDD.....	1.1	116	.1	142	Q	Q	.5	165	Q	Q
<2,000 CDD AND 5,500 TO 7,000 HDD.....	3.2	138	1.0	130	.3	48	1.8	161	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 Residential Fuel Consumption

Table 2. (Continued)
Census Division:
Middle Atlantic

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID 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)
TOTAL HOUSEHOLDS.....	13.4	139	5.5	149	1.3	59	5.9	156	0.1	93
AREA TYPE										
URBAN.....	10.3	145	4.7	147	.6	58	4.7	158	Q	Q
RURAL.....	3.1	121	.8	162	.6	60	1.2	147	.1	92
SMSA STATUS										
SMSA.....	10.8	139	4.4	144	1.0	57	5.0	157	.1	94
NON-SMSA.....	2.6	140	1.1	168	.3	65	.9	152	Q	Q
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD.....	9.5	145	4.2	163	1.1	62	3.5	166	.1	93
SOME, NONE, OTHER PAID BY HOUSEHOLD.....	3.9	125	1.3	104	.1	24	2.4	141	Q	Q
TYPE OF HOUSING STRUCTURE										
SINGLE FAMILY OR MOBILE HOME..	8.5	147	3.7	163	.8	73	3.3	162	Q	Q
2 OR MORE UNITS.....	4.9	127	1.8	120	.4	32	2.6	149	.1	95
NUMBER OF ROOMS										
1 TO 3.....	2.2	111	.8	95	.1	27	1.3	129	Q	Q
4 TO 5.....	4.6	122	1.8	131	.7	50	1.9	148	.1	93
6 OR MORE.....	6.5	162	3.0	174	.5	80	2.7	175	Q	Q
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED										
ALL.....	2.3	133	1.2	151	0.4	70	0.6	145	Q	Q
SOME.....	4.6	144	1.8	146	.3	34	2.4	161	Q	Q
NONE.....	6.5	138	2.5	151	.5	66	2.9	154	0.1	94
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 1000.....	4.6	118	1.7	105	.3	42	2.4	140	.1	90
1,000 TO 1,999.....	5.0	137	2.2	154	.6	61	1.9	150	Q	Q
2,000 OR MORE.....	3.8	168	1.6	189	.4	72	1.5	190	Q	Q
YEAR HOUSE BUILT										
1939 OR EARLIER.....	5.8	149	2.5	148	.1	76	3.0	162	Q	Q
1940 TO 1959.....	3.1	144	1.2	149	.1	30	1.7	149	Q	Q
1960 OR LATER.....	4.5	124	1.8	150	1.0	60	1.3	152	.1	93
OWN/RENT										
OWN.....	8.4	152	3.6	167	.8	72	3.5	167	Q	Q
RENT.....	5.0	119	1.9	115	.5	36	2.4	141	.1	94
1979 FAMILY INCOME										
LESS THAN \$10,000.....	3.7	137	1.3	135	.3	57	2.0	155	Q	Q
\$10,000 TO \$19,999.....	4.6	129	1.9	134	.3	48	2.0	150	.1	101
\$20,000 TO \$34,999.....	3.9	143	1.8	160	.5	61	1.3	162	.1	84
\$35,000 OR MORE.....	1.2	172	.5	201	.1	83	.5	169	Q	Q
TOTAL POOR (100 PERCENT LEVEL)..	1.3	144	0.5	150	0.1	61	0.6	155	Q	Q
TOTAL POOR (125 PERCENT LEVEL)..	2.1	143	.7	150	.2	63	1.1	157	Q	Q
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS.....	4.0	117	1.7	129	.8	50	1.3	148	0.1	90
35 TO 59 YEARS.....	5.7	151	2.5	168	.4	71	2.5	161	Q	Q
60 YEARS AND OVER.....	3.6	146	1.4	140	.1	76	2.1	156	Q	Q

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Consumption

Table 2. (Continued)
Census Division:
Middle Atlantic

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID 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)
HOUSEHOLD MEMBERS										
1.....	2.8	116	1.0	105	.3	42	1.4	141	Q	Q
2.....	4.2	132	1.6	132	.3	49	2.0	150	Q	Q
3 OR MORE.....	6.4	155	2.8	175	.6	73	2.4	170	.1	94
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE										
<2,000 CDD AND >7,000 HDD.....	.6	105	Q	Q	.1	76	.3	147	Q	Q
<2,000 CDD AND 5,500 TO 7,000 HDD.....	4.7	137	2.6	154	.6	57	1.1	158	.1	93
<2,000 CDD AND 4,000 TO 5,499 HDD.....	8.1	144	2.9	145	.5	59	4.4	156	Q	Q
<2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Consumption

Table 2. (Continued)
Census Region: North Central

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID 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)
TOTAL HOUSEHOLDS.....	21.1	139	15.0	156	2.1	67	1.5	132	1.2	139
AREA TYPE										
URBAN.....	14.2	148	12.6	156	.9	57	.5	136	.1	114
RURAL.....	6.9	120	2.4	156	1.2	75	1.0	130	1.1	140
SMSA STATUS										
SMSA.....	13.8	147	11.3	159	1.3	61	.7	132	.4	136
NON-SMSA.....	7.2	123	3.7	147	.8	75	.9	132	.8	140
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD.....	18.3	145	12.6	166	1.8	71	1.5	131	1.2	139
SOME, NONE ,OTHER PAID BY HOUSEHOLD.....	2.8	98	2.4	104	.3	38	.1	143	Q	Q
TYPE OF HOUSING STRUCTURE										
SINGLE FAMILY OR MOBILE HOME..	16.1	150	11.0	170	1.2	86	1.4	133	1.2	139
2 OR MORE UNITS.....	5.0	103	4.0	116	.9	40	.2	128	Q	Q
NUMBER OF ROOMS										
1 TO 3	2.1	85	1.4	103	.5	36	.1	94	.1	97
4 TO 5.....	9.2	123	6.7	136	.8	59	.6	118	.7	119
6 OR MORE.....	9.7	165	6.9	186	.8	92	.6	149	.4	175
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED										
ALL.....	7.6	135	5.5	153	1.4	65	0.2	142	0.4	142
SOME.....	4.7	151	3.8	163	.2	68	.3	138	.2	122
NONE.....	8.8	135	5.7	154	.5	70	1.0	128	.7	140
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 1000.....	6.3	101	4.6	113	.9	40	.3	103	.4	106
1,000 TO 1,999.....	8.4	143	6.0	159	.7	74	.7	135	.5	135
2,000 OR MORE.....	6.4	171	4.5	195	.6	98	.5	146	.3	182
YEAR HOUSE BUILT										
1939 OR EARLIER.....	7.5	151	5.7	164	.1	94	.7	147	.4	148
1940 TO 1959.....	5.2	149	4.3	156	.1	94	.4	123	.2	136
1960 OR LATER.....	8.3	121	5.0	147	1.9	64	.5	118	.5	132
OWN/RENT										
OWN.....	14.4	151	10.0	171	1.2	85	1.2	134	1.0	140
RENT.....	6.6	112	5.0	125	.9	42	.4	127	.2	130
1979 FAMILY INCOME										
LESS THAN \$10,000.....	6.1	125	4.3	141	.5	49	.5	131	.4	113
\$10,000 TO \$19,999.....	6.8	125	4.5	145	.8	61	.4	118	.4	125
\$20,000 TO \$34,999.....	6.0	153	4.5	166	.6	84	.5	138	.3	176
\$35,000 OR MORE.....	2.2	180	1.6	199	.2	87	.1	170	.2	164
TOTAL POOR (100 PERCENT LEVEL)..	2.6	141	2.0	156	0.2	58	0.1	149	0.1	106
TOTAL POOR (125 PERCENT LEVEL)..	3.6	135	2.7	151	.3	53	.2	138	.2	106
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS.....	6.8	120	4.9	135	.8	55	.4	115	.3	136
35 TO 59 YEARS.....	8.4	160	6.0	180	.8	86	.5	148	.4	155
60 YEARS AND OVER.....	5.9	130	4.1	145	.5	55	.6	130	.4	124

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Consumption

Table 2. (Continued)
Census Region: North Central

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID 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)
HOUSEHOLD MEMBERS										
1.....	3.5	107	2.5	121	.6	46	.2	121	.2	100
2.....	7.2	128	5.1	144	.8	57	.6	125	.5	130
3 OR MORE.....	10.4	157	7.5	175	.8	90	.7	142	.5	158
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE										
<2,000 CDD AND >7,000 HDD.....	5.3	128	3.1	147	.4	67	.9	126	.3	144
<2,000 CDD AND 5,500 TO 7,000 HDD.....	11.7	147	9.2	161	1.3	64	.6	141	.4	133
<2,000 CDD AND 4,000 TO 5,499 HDD.....	4.1	129	2.8	148	.5	74	.1	136	.4	140
<2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Consumption

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

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID 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)
TOTAL HOUSEHOLDS.....	14.8	141	10.4	160	1.7	64	1.2	132	0.7	141
AREA TYPE										
URBAN.....	10.5	150	9.1	160	.9	57	.4	145	.1	98
RURAL.....	4.3	118	1.3	161	.8	71	.8	125	.6	145
SMSA STATUS										
SMSA.....	10.8	148	8.7	162	1.1	57	.5	137	.3	132
NON-SMSA.....	4.0	120	1.8	151	.7	76	.6	127	.4	149
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD.....	12.7	148	8.7	171	1.4	69	1.1	131	.7	141
SOME, NONE ,OTHER PAID BY HOUSEHOLD.....	2.1	99	1.7	107	.3	38	.1	143	Q	Q
TYPE OF HOUSING STRUCTURE										
SINGLE FAMILY OR MOBILE HOME..	10.7	154	7.4	177	.9	87	1.0	132	.7	141
2 OR MORE UNITS.....	4.1	104	3.1	121	.8	40	.2	128	Q	Q
NUMBER OF ROOMS										
1 TO 3.....	1.6	86	1.0	108	.5	36	.1	91	Q	Q
4 TO 5.....	6.4	125	4.6	139	.6	58	.5	120	.4	120
6 OR MORE.....	6.9	168	4.9	191	.6	91	.6	146	.2	195
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED										
ALL.....	4.3	134	2.8	161	1.0	60	0.2	138	0.2	130
SOME.....	3.4	152	2.8	164	.2	66	.3	142	Q	Q
NONE.....	7.2	140	4.8	158	.5	70	.7	127	.4	149
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 1000.....	4.5	101	3.2	116	.8	39	.2	107	.2	109
1,000 TO 1,999.....	6.0	147	4.4	164	.5	72	.5	133	.2	141
2,000 OR MORE.....	4.4	173	2.9	204	.4	100	.4	142	.2	180
YEAR HOUSE BUILT										
1939 OR EARLIER.....	5.2	154	4.0	169	.1	94	.5	146	.1	147
1940 TO 1959.....	3.7	152	3.1	158	.1	68	.3	129	.2	142
1960 OR LATER.....	5.9	121	3.3	152	1.6	62	.4	116	.4	138
OWN/RENT										
OWN.....	9.8	154	6.7	177	.9	85	.8	133	.6	143
RENT.....	5.1	115	3.8	131	.8	40	.3	129	.1	131
1979 FAMILY INCOME										
LESS THAN \$10,000.....	4.2	131	3.0	148	.4	46	.4	137	.2	126
\$10,000 TO \$19,999.....	4.8	122	3.2	145	.7	59	.3	118	.3	121
\$20,000 TO \$34,999.....	4.4	157	3.3	172	.4	82	.4	134	.2	184
\$35,000 OR MORE.....	1.4	183	1.0	206	.1	90	Q	Q	Q	Q
TOTAL POOR (100 PERCENT LEVEL)..	1.9	150	1.6	163	0.1	54	0.1	157	Q	Q
TOTAL POOR (125 PERCENT LEVEL)..	2.7	143	2.1	159	.2	51	.2	145	0.1	102
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS.....	4.7	119	3.3	138	.6	49	.3	106	.2	131
35 TO 59 YEARS.....	6.0	163	4.3	185	.6	85	.3	151	.3	155
60 YEARS AND OVER.....	4.1	133	2.8	149	.4	55	.5	133	.2	133

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Consumption

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

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID 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)
HOUSEHOLD MEMBERS										
1.....	2.5	106	1.7	123	.5	46	.2	125	.1	103
2.....	4.9	130	3.4	150	.6	53	.4	123	.3	127
3 OR MORE.....	7.3	160	5.3	179	.6	90	.5	142	.3	164
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE										
<2,000 CDD AND >7,000 HDD.....	3.1	120	1.4	150	.3	66	.6	122	.2	147
<2,000 CDD AND 5,500 TO 7,000 HDD.....	10.2	148	8.0	164	1.2	63	.5	143	.3	133
<2,000 CDD AND 4,000 TO 5,499 HDD.....	1.5	133	1.0	147	.2	66	Q	Q	.2	144
<2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Consumption

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

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID 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)
TOTAL HOUSEHOLDS.....	6.3	134	4.5	146	0.4	77	0.4	133	0.5	135
AREA TYPE										
URBAN.....	3.7	141	3.5	144	.1	51	.2	115	Q	Q
RURAL.....	2.5	123	1.1	149	.4	82	.2	146	.5	135
SMSA STATUS										
SMSA.....	3.1	141	2.6	148	.2	83	.1	114	Q	Q
NON-SMSA.....	3.2	127	1.9	143	.2	71	.2	145	.5	133
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD.....	5.6	139	3.9	154	.4	80	.4	133	.5	137
SOME, NONE, OTHER PAID BY HOUSEHOLD.....	.7	95	.6	96	Q	Q	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE										
SINGLE FAMILY OR MOBILE HOME..	5.3	141	3.7	157	.4	83	.4	133	.5	135
2 OR MORE UNITS.....	1.0	97	.9	99	.1	46	Q	Q	Q	Q
NUMBER OF ROOMS										
1 TO 3.....	.6	84	.4	89	Q	Q	Q	Q	Q	Q
4 TO 5.....	2.9	119	2.1	129	.2	65	.2	111	.2	116
6 OR MORE.....	2.8	160	2.0	175	.2	94	.2	161	.2	159
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED										
ALL.....	3.3	137	2.7	145	0.3	78	0.1	154	0.2	157
SOME.....	1.3	149	1.0	160	Q	Q	.1	124	.1	127
NONE.....	1.6	117	.9	131	Q	Q	.3	130	.2	121
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 1000.....	1.8	100	1.4	108	.1	48	.1	96	.1	100
1,000 TO 1,999.....	2.4	131	1.6	146	.2	77	.2	140	.2	130
2,000 OR MORE.....	2.0	167	1.6	178	.1	94	.1	162	.1	185
YEAR HOUSE BUILT										
1939 OR EARLIER.....	2.3	144	1.7	152	Q	Q	.2	149	.3	148
1940 TO 1959.....	1.5	141	1.2	151	Q	Q	.1	109	.1	121
1960 OR LATER.....	2.4	120	1.7	135	.4	71	.1	129	.1	116
OWN/RENT										
OWN.....	4.7	144	3.3	160	.3	85	.3	137	.4	136
RENT.....	1.6	103	1.2	108	.1	56	.1	116	.1	130
1979 FAMILY INCOME										
LESS THAN \$10,000.....	1.9	112	1.3	124	.1	65	.1	108	.2	100
\$10,000 TO \$19,999.....	1.9	131	1.4	146	.1	70	.1	120	.1	136
\$20,000 TO \$34,999.....	1.6	142	1.2	149	.1	91	.1	152	.1	160
\$35,000 OR MORE.....	.8	173	.6	188	.1	79	Q	Q	.1	169
TOTAL POOR (100 PERCENT LEVEL)..	0.6	113	0.4	128	Q	Q	Q	Q	0.1	106
TOTAL POOR (125 PERCENT LEVEL)..	.9	111	.6	125	0.1	61	Q	Q	.1	108
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS.....	2.1	123	1.6	128	.2	79	0.1	136	.1	141
35 TO 59 YEARS.....	2.4	152	1.7	168	.1	92	.2	142	.2	155
60 YEARS AND OVER.....	1.8	123	1.2	138	.1	54	.1	114	.2	115

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Consumption

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

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID 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)
HOUSEHOLD MEMBERS										
1.....	1.0	110	.8	117	.1	48	Q	Q	.1	97
2.....	2.3	124	1.6	133	.1	72	.1	130	.2	134
3 OR MORE.....	3.0	149	2.1	165	.2	88	.2	141	.2	150
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE										
<2,000 CDD AND >7,000 HDD.....	2.2	139	1.7	144	.1	70	.3	135	.1	134
<2,000 CDD AND 5,500 TO 7,000 HDD.....	1.5	138	1.2	144	Q	Q	.1	127	.2	132
<2,000 CDD AND 4,000 TO 5,499 HDD.....	2.6	127	1.7	148	.3	79	Q	Q	.3	138
<2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Consumption

Table 2. (Continued)
Census Region: South

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID 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)
TOTAL HOUSEHOLDS.....	27.0	96	11.8	122	7.7	62	3.1	123	2.0	87
AREA TYPE										
URBAN.....	15.7	104	9.4	123	4.2	57	1.4	134	.4	61
RURAL.....	11.3	86	2.4	121	3.5	67	1.7	115	1.6	93
SMSA STATUS										
SMSA.....	15.3	98	7.8	123	5.0	59	1.6	130	.6	67
NON-SMSA.....	11.6	93	4.0	122	2.7	68	1.6	117	1.4	96
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD.....	24.2	99	10.5	128	6.9	65	2.8	124	1.9	88
SOME, NONE, OTHER PAID BY HOUSEHOLD.....	2.7	73	1.4	82	.8	41	.4	120	.1	74
TYPE OF HOUSING STRUCTURE										
SINGLE FAMILY OR MOBILE HOME..	22.1	103	10.0	130	5.3	72	2.8	123	1.9	89
2 OR MORE UNITS.....	4.8	63	1.8	84	2.4	40	.4	124	.1	62
NUMBER OF ROOMS										
1 TO 3.....	3.1	53	1.0	74	1.4	33	.2	74	.3	69
4 TO 5.....	12.4	86	5.6	105	3.3	57	1.5	111	1.1	86
6 OR MORE.....	11.5	118	5.2	150	3.1	80	1.5	143	.5	103
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED										
ALL.....	15.3	98	7.0	127	6.2	64	0.9	133	0.7	93
SOME.....	4.7	104	2.2	120	.7	53	1.0	133	.5	78
NONE.....	7.0	86	2.6	113	.9	55	1.2	107	.9	88
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 1000.....	10.0	72	4.1	90	2.8	42	1.2	101	1.1	79
1,000 TO 1,999.....	12.3	100	5.7	128	3.5	64	1.2	121	.7	99
2,000 OR MORE.....	4.7	137	2.0	173	1.4	95	.6	171	.2	91
YEAR HOUSE BUILT										
1939 OR EARLIER.....	4.9	103	2.3	122	.4	62	1.0	131	.4	102
1940 TO 1959.....	7.6	109	4.4	125	1.0	67	1.3	126	.4	82
1960 OR LATER.....	14.5	87	5.1	121	6.4	61	.9	112	1.2	84
OWN/RENT										
OWN.....	18.7	105	8.5	133	5.0	71	2.1	125	1.6	87
RENT.....	8.3	77	3.4	95	2.7	46	1.1	121	.4	88
1979 FAMILY INCOME										
LESS THAN \$10,000.....	9.0	81	3.8	101	2.2	48	1.3	114	.8	81
\$10,000 TO \$19,999.....	8.1	92	3.5	117	2.3	56	.9	117	.7	94
\$20,000 TO \$34,999.....	6.7	107	3.0	138	2.2	70	.6	135	.4	88
\$35,000 OR MORE.....	3.1	127	1.5	158	1.1	87	.3	157	.1	92
TOTAL POOR (100 PERCENT LEVEL)..	4.9	85	2.0	106	1.0	53	0.8	114	0.5	89
TOTAL POOR (125 PERCENT LEVEL)..	6.1	85	2.5	105	1.2	52	1.0	115	.5	92
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS.....	8.9	86	3.6	115	3.0	55	.8	119	.7	83
35 TO 59 YEARS.....	10.7	107	4.9	134	2.7	72	1.5	123	.7	94
60 YEARS AND OVER.....	7.3	92	3.3	113	2.0	58	.9	128	.6	85

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Consumption

Table 2. (Continued)
Census Region: South

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID 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)
HOUSEHOLD MEMBERS										
1.....	5.3	71	2.3	86	1.7	44	.6	114	.3	72
2.....	8.7	91	3.6	120	2.7	53	1.2	119	.7	79
3 OR MORE.....	13.0	110	5.9	138	3.3	79	1.3	132	1.0	98
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.....	5.9	107	2.2	141	1.3	64	1.6	130	.1	87
<2,000 CDD AND <4,000 HDD.....	10.0	99	4.4	124	2.4	67	1.2	126	.9	94
>2,000 CDD AND <4,000 HDD.....	11.0	88	5.3	113	4.1	58	.4	90	1.0	82

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Consumption

Table 2. (Continued)
Census Division:
South Atlantic

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID 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)
TOTAL HOUSEHOLDS.....	14.0	92	4.0	125	4.3	58	3.0	124	1.1	82
AREA TYPE										
URBAN.....	7.4	99	3.3	124	2.3	52	1.4	134	.3	53
RURAL.....	6.7	84	.8	130	2.1	64	1.7	116	.8	92
SMSA STATUS										
SMSA.....	8.1	93	2.7	124	3.2	56	1.5	130	.5	62
NON-SMSA.....	6.0	90	1.3	128	1.2	63	1.5	118	.6	97
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD.....	12.6	92	3.3	134	4.1	59	2.7	125	1.1	83
SOME, NONE, OTHER PAID BY HOUSEHOLD.....	1.4	84	.7	85	.2	43	.4	120	0	0
TYPE OF HOUSING STRUCTURE										
SINGLE FAMILY OR MOBILE HOME..	11.2	98	3.1	137	3.0	66	2.7	124	1.0	84
2 OR MORE UNITS.....	2.8	67	.9	87	1.3	40	.4	124	.1	62
NUMBER OF ROOMS										
1 TO 3.....	1.5	50	.3	78	.7	32	.2	71	.2	59
4 TO 5.....	6.1	81	1.7	108	1.8	50	1.4	111	.6	78
6 OR MORE.....	6.4	112	2.0	148	1.9	75	1.5	144	.3	102
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED										
ALL.....	6.9	91	2.1	123	3.4	61	0.9	133	0.2	95
SOME.....	2.7	105	.8	126	.4	43	1.0	133	.3	75
NONE.....	4.5	85	1.1	130	.6	53	1.1	109	.6	81
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 1000.....	5.2	68	1.3	87	1.5	39	1.2	102	.7	72
1,000 TO 1,999.....	6.2	94	1.9	132	2.1	59	1.2	121	.3	100
2,000 OR MORE.....	2.6	131	.8	167	.8	90	.6	172	.1	85
YEAR HOUSE BUILT										
1939 OR EARLIER.....	3.0	103	.9	133	.2	52	.9	132	.2	99
1940 TO 1959.....	3.8	102	1.4	123	.6	59	1.2	127	.1	66
1960 OR LATER.....	7.3	82	1.7	122	3.5	58	.9	113	.7	80
OWN/RENT										
OWN.....	9.6	99	2.7	141	3.1	65	2.0	126	.9	82
RENT.....	4.5	77	1.3	93	1.3	41	1.0	121	.3	81
1979 FAMILY INCOME										
LESS THAN \$10,000.....	4.4	80	1.1	102	1.0	46	1.2	116	.5	69
\$10,000 TO \$19,999.....	4.4	88	1.2	120	1.3	52	.9	117	.4	99
\$20,000 TO \$34,999.....	3.5	100	1.1	143	1.3	62	.6	136	.2	77
\$35,000 OR MORE.....	1.7	114	.6	145	.7	81	.3	157	.1	87
TOTAL POOR (100 PERCENT LEVEL)..	2.5	87	0.7	115	0.4	57	0.7	115	0.3	70
TOTAL POOR (125 PERCENT LEVEL)..	3.0	87	.8	109	.5	56	.9	116	.3	77
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS.....	4.5	81	1.2	117	1.6	50	.7	121	.4	82
35 TO 59 YEARS.....	5.8	102	1.8	135	1.5	70	1.4	123	.5	90
60 YEARS AND OVER.....	3.7	88	1.0	117	1.2	53	.9	130	.3	70

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Consumption

Table 2. (Continued)
Census Division:
South Atlantic

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID 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)
HOUSEHOLD MEMBERS										
1.....	2.8	71	.9	87	.9	38	.6	116	.2	65
2.....	4.5	83	.9	117	1.7	50	1.2	119	.4	82
3 OR MORE.....	6.7	106	2.2	144	1.7	77	1.3	132	.5	89
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.....	4.7	110	1.6	144	.8	60	1.5	131	.1	89
<2,000 CDD AND <4,000 HDD.....	5.2	99	1.9	122	.9	67	1.1	127	.5	96
>2,000 CDD AND <4,000 HDD.....	4.1	61	.5	80	2.6	54	.4	90	.5	65

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Consumption

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

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID 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)
TOTAL HOUSEHOLDS.....	5.2	92	2.2	122	1.8	69	0.1	101	0.4	97
AREA TYPE										
URBAN.....	2.6	105	1.7	123	.7	67	Q	Q	Q	Q
RURAL.....	2.6	79	.5	118	1.1	70	.1	83	.4	97
SMSA STATUS										
SMSA.....	2.0	97	1.1	118	.7	68	Q	Q	Q	Q
NON-SMSA.....	3.1	89	1.1	126	1.2	69	Q	Q	.3	98
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD.....	4.7	96	2.0	128	1.6	73	.1	99	.4	96
SOME, NONE, OTHER PAID BY HOUSEHOLD.....	.4	54	.2	64	.2	36	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE										
SINGLE FAMILY OR MOBILE HOME..	4.4	97	1.8	132	1.5	75	.1	101	.4	97
2 OR MORE UNITS.....	.8	62	.4	79	.3	42	Q	Q	Q	Q
NUMBER OF ROOMS										
1 TO 3.....	.6	52	.3	64	.3	33	Q	Q	.1	98
4 TO 5.....	2.3	82	.9	106	.8	63	.1	105	.2	96
6 OR MORE.....	2.3	112	1.0	152	.8	86	Q	Q	.1	100
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED										
ALL.....	3.3	97	1.5	126	1.4	72	Q	Q	0.1	93
SOME.....	.8	98	.4	127	.2	62	Q	Q	.1	93
NONE.....	1.1	72	.4	101	.2	57	Q	Q	.2	102
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 1000.....	1.8	71	.8	89	.6	49	Q	Q	.2	85
1,000 TO 1,999.....	2.4	96	1.0	132	.8	72	Q	Q	.2	103
2,000 OR MORE.....	1.0	120	.4	168	.4	90	Q	Q	Q	Q
YEAR HOUSE BUILT										
1939 OR EARLIER.....	.9	93	.5	118	.1	71	Q	Q	.1	102
1940 TO 1959.....	1.3	108	.9	126	.2	68	Q	Q	.1	97
1960 OR LATER.....	2.9	84	.8	121	1.6	69	Q	Q	.2	95
OWN/RENT										
OWN.....	3.8	101	1.6	135	1.3	77	0.1	99	.3	96
RENT.....	1.4	68	.6	89	.6	50	Q	Q	Q	Q
1979 FAMILY INCOME										
LESS THAN \$10,000.....	2.2	77	.9	106	.7	55	Q	Q	.2	99
\$10,000 TO \$19,999.....	1.4	92	.6	120	.4	66	Q	Q	.2	96
\$20,000 TO \$34,999.....	1.1	110	.5	138	.4	83	Q	Q	.1	96
\$35,000 OR MORE.....	.4	123	.1	184	.2	93	Q	Q	Q	Q
TOTAL POOR (100 PERCENT LEVEL)..	1.1	75	0.4	110	0.3	50	Q	Q	0.1	109
TOTAL POOR (125 PERCENT LEVEL)..	1.4	76	.5	109	.5	51	Q	Q	.1	109
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS.....	1.6	90	.7	114	.4	74	Q	Q	.1	82
35 TO 59 YEARS.....	2.0	99	.8	135	.8	76	Q	Q	.2	106
60 YEARS AND OVER.....	1.6	85	.7	116	.6	54	Q	Q	.1	99

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Consumption

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

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID 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)
HOUSEHOLD MEMBERS										
1.....	1.0	67	.5	86	.3	44	Q	Q	.1	90
2.....	1.7	90	.8	120	.6	63	Q	Q	.1	84
3 OR MORE.....	2.4	104	.9	145	.9	82	Q	Q	.2	109
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.....	1.2	97	.6	132	.5	70	Q	Q	Q	Q
<2,000 CDD AND <4,000 HDD.....	3.1	87	1.1	120	1.1	69	Q	Q	.3	91
>2,000 CDD AND <4,000 HDD.....	.9	101	.5	116	.2	66	Q	Q	.1	119

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Consumption

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

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID 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)
TOTAL HOUSEHOLDS.....	7.7	107	5.6	121	1.6	65	Q	Q	0.5	92
AREA TYPE										
URBAN.....	5.7	109	4.5	122	1.2	61	Q	Q	Q	Q
RURAL.....	2.0	100	1.1	116	.4	75	Q	Q	.4	91
SMSA STATUS										
SMSA.....	5.2	108	4.0	123	1.2	59	Q	Q	.1	92
NON-SMSA.....	2.5	104	1.6	115	.4	81	Q	Q	.4	92
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD.....	6.9	112	5.2	124	1.2	72	Q	Q	.5	92
SOME, NONE, OTHER PAID BY HOUSEHOLD.....	.9	64	.4	84	.4	42	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE										
SINGLE FAMILY OR MOBILE HOME..	6.5	117	5.1	125	.8	88	Q	Q	.5	92
2 OR MORE UNITS.....	1.2	56	.5	80	.8	40	Q	Q	Q	Q
NUMBER OF ROOMS										
1 TO 3.....	1.0	58	.4	76	.4	35	Q	Q	.1	71
4 TO 5.....	4.0	96	3.0	104	.7	68	Q	Q	.3	95
6 OR MORE.....	2.8	139	2.2	151	.4	89	Q	Q	.1	112
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED										
ALL.....	5.2	110	3.5	129	1.4	64	Q	Q	0.3	92
SOME.....	1.2	106	1.0	114	.1	80	Q	Q	.1	74
NONE.....	1.4	97	1.2	101	.1	58	Q	Q	.1	103
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 1000.....	3.0	79	2.0	91	.7	43	Q	Q	.3	93
1,000 TO 1,999.....	3.7	112	2.9	124	.6	71	Q	Q	.2	94
2,000 OR MORE.....	1.0	168	.8	181	.2	122	Q	Q	Q	Q
YEAR HOUSE BUILT										
1939 OR EARLIER.....	1.1	111	.9	113	Q	Q	Q	Q	.1	119
1940 TO 1959.....	2.4	121	2.1	125	.2	100	Q	Q	.1	90
1960 OR LATER.....	4.2	97	2.6	119	1.4	60	Q	Q	.3	88
OWN/RENT										
OWN.....	5.4	118	4.2	128	.7	83	Q	Q	.4	91
RENT.....	2.4	81	1.4	100	.8	49	Q	Q	.1	97
1979 FAMILY INCOME										
LESS THAN \$10,000.....	2.5	87	1.8	98	.4	40	Q	Q	.2	95
\$10,000 TO \$19,999.....	2.3	99	1.6	113	.5	59	Q	Q	.1	79
\$20,000 TO \$34,999.....	2.0	118	1.4	134	.5	79	Q	Q	.1	102
\$35,000 OR MORE.....	1.0	152	.8	163	.1	105	Q	Q	Q	Q
TOTAL POOR (100 PERCENT LEVEL)..	1.3	87	0.9	96	0.2	50	Q	Q	0.1	115
TOTAL POOR (125 PERCENT LEVEL)..	1.6	90	1.2	100	.3	49	Q	Q	.1	111
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS.....	2.9	92	1.7	115	1.0	56	Q	Q	.2	83
35 TO 59 YEARS.....	2.9	123	2.4	133	.4	71	Q	Q	.1	95
60 YEARS AND OVER.....	2.0	105	1.6	108	.2	93	Q	Q	.2	102

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Consumption

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

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID 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)
HOUSEHOLD MEMBERS										
1.....	1.5	75	.9	85	.5	56	Q	Q	Q	Q
2.....	2.5	106	1.9	122	.4	51	Q	Q	.1	64
3 OR MORE.....	3.8	120	2.8	131	.7	79	Q	Q	.3	107
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.....	1.8	116	1.4	132	.3	59	Q	Q	.1	87
>2,000 CDD AND <4,000 HDD.....	6.0	104	4.3	117	1.3	66	Q	Q	.4	94

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Consumption

Table 2. (Continued)
Census Region: West

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID 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)
TOTAL HOUSEHOLDS.....	16.0	86	11.1	97	2.9	53	0.5	111	0.4	95
AREA TYPE										
URBAN.....	13.0	87	10.1	95	2.1	49	.4	106	.1	71
RURAL.....	3.0	85	1.0	118	.8	64	.1	124	.3	99
SMSA STATUS										
SMSA.....	12.6	85	9.6	93	2.1	50	.3	104	.1	77
NON-SMSA.....	3.4	91	1.5	121	.8	61	.2	124	.3	99
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD.....	13.7	89	9.5	100	2.3	57	.5	112	.3	97
SOME, NONE, OTHER PAID BY HOUSEHOLD.....	2.3	70	1.6	81	.5	36	Q	Q	.1	88
TYPE OF HOUSING STRUCTURE										
SINGLE FAMILY OR MOBILE HOME..	1.9	96	8.3	107	1.7	65	.5	111	.3	94
2 OR MORE UNITS.....	4.1	60	2.8	68	1.2	36	Q	Q	Q	Q
NUMBER OF ROOMS										
1 TO 3.....	2.6	53	1.5	62	.9	33	Q	Q	.1	71
4 TO 5.....	7.1	78	4.9	87	1.3	54	.2	93	.2	100
6 OR MORE.....	6.2	110	4.8	118	.6	81	.3	124	.1	117
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED										
ALL.....	4.0	86	2.8	98	0.9	49	Q	Q	0.1	89
SOME.....	1.8	82	1.3	89	.3	55	0.1	110	Q	Q
NONE.....	10.2	87	7.0	98	1.6	55	.4	111	.2	97
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 1000.....	6.4	62	3.9	73	1.6	41	.1	77	.2	81
1,000 TO 1,999.....	6.6	93	5.0	100	1.0	65	.2	118	.1	119
2,000 OR MORE.....	2.9	124	2.2	133	.3	81	.2	123	Q	Q
YEAR HOUSE BUILT										
1939 OR EARLIER.....	2.8	87	2.0	93	.2	62	.2	114	.1	90
1940 TO 1959.....	4.5	90	3.7	94	.4	62	.2	96	Q	Q
1960 OR LATER.....	8.7	85	5.5	100	2.3	51	.1	144	.3	94
OWN/RENT										
OWN.....	10.1	98	7.3	108	1.3	67	.4	114	.3	97
RENT.....	5.9	66	3.8	77	1.5	41	.1	101	.1	86
1979 FAMILY INCOME										
LESS THAN \$10,000.....	4.4	75	3.1	85	.8	47	.1	94	.1	85
\$10,000 TO \$19,999.....	4.8	81	3.2	92	1.0	51	.1	108	.1	91
\$20,000 TO \$34,999.....	4.5	92	3.0	103	.8	60	.2	111	.1	103
\$35,000 OR MORE.....	2.3	108	1.8	117	.3	58	.1	129	Q	Q
TOTAL POOR (100 PERCENT LEVEL)..	1.8	75	1.2	87	0.4	46	Q	Q	Q	Q
TOTAL POOR (125 PERCENT LEVEL)..	2.4	74	1.6	84	.5	49	Q	Q	Q	Q
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS.....	5.8	76	3.8	89	1.5	46	0.1	102	0.1	88
35 TO 59 YEARS.....	6.3	98	4.7	106	.7	68	.2	112	.2	98
60 YEARS AND OVER.....	3.9	83	2.7	93	.7	53	.1	115	.1	94

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Consumption

Table 2. (Continued)
Census Region: West

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID 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)
HOUSEHOLD MEMBERS										
1.....	3.4	60	2.2	69	.9	37	.1	100	.1	80
2.....	5.4	82	3.8	90	.9	51	.2	112	.1	109
3 OR MORE.....	7.2	102	5.1	114	1.0	69	.2	114	.1	99
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE										
<2,000 CDD AND >7,000 HDD.....	1.4	131	1.1	146	.1	45	Q	Q	.1	100
<2,000 CDD AND 5,500 TO 7,000 HDD.....	1.4	111	.7	143	.3	68	.1	113	.1	92
<2,000 CDD AND 4,000 TO 5,499 HDD.....	3.0	86	1.1	116	1.3	59	.3	106	Q	Q
<2,000 CDD AND <4,000 HDD.....	9.0	79	7.8	84	.8	40	Q	Q	.1	83
>2,000 CDD AND <4,000 HDD.....	1.1	55	.4	75	.4	51	Q	Q	Q	Q

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Consumption

Table 2. (Continued)
Census Division: Mountain

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID 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)
TOTAL HOUSEHOLDS.....	4.1	105	2.9	123	0.7	49	0.1	115	0.3	94
AREA TYPE										
URBAN.....	2.9	109	2.3	123	.5	46	Q	Q	.1	71
RURAL.....	1.2	97	.5	123	.2	54	Q	Q	.2	99
SMSA STATUS										
SMSA.....	2.6	105	2.0	122	.5	46	Q	Q	.1	75
NON-SMSA.....	1.5	107	.9	125	.1	59	.1	115	.2	99
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD.....	3.5	109	2.5	128	.6	50	.1	118	.2	96
SOME, NONE, OTHER PAID BY HOUSEHOLD.....	.6	83	.4	89	.1	38	Q	Q	.1	88
TYPE OF HOUSING STRUCTURE										
SINGLE FAMILY OR MOBILE HOME..	3.4	113	2.4	131	.5	57	.1	121	.3	93
2 OR MORE UNITS.....	.7	70	.5	85	.2	32	Q	Q	Q	Q
NUMBER OF ROOMS										
1 TO 3.....	.5	63	.3	70	.1	26	Q	Q	.1	69
4 TO 5.....	2.1	96	1.4	111	.4	49	Q	Q	.2	100
6 OR MORE.....	1.4	136	1.1	152	.2	62	Q	Q	Q	Q
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED										
ALL.....	1.4	84	0.8	105	0.5	47	Q	Q	0.1	81
SOME.....	.4	103	.3	120	.1	42	Q	Q	Q	Q
NONE.....	2.3	119	1.8	131	.1	59	Q	Q	.2	99
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 1000.....	1.7	79	1.1	90	.3	33	Q	Q	.2	81
1,000 TO 1,999.....	1.7	109	1.1	129	.3	60	Q	Q	.1	119
2,000 OR MORE.....	.8	157	.6	172	.1	67	Q	Q	Q	Q
YEAR HOUSE BUILT										
1939 OR EARLIER.....	.7	118	.5	126	Q	Q	Q	Q	Q	Q
1940 TO 1959.....	1.1	115	1.0	120	Q	Q	Q	Q	Q	Q
1960 OR LATER.....	2.3	97	1.3	123	.6	47	Q	Q	.2	91
OWN/RENT										
OWN.....	2.9	115	2.1	132	.4	55	0.1	118	.2	96
RENT.....	1.2	82	.8	98	.2	38	Q	Q	.1	88
1979 FAMILY INCOME										
LESS THAN \$10,000.....	1.1	92	.8	102	.2	43	Q	Q	.1	86
\$10,000 TO \$19,999.....	1.5	100	1.1	115	.2	49	Q	Q	.1	91
\$20,000 TO \$34,999.....	1.1	116	.7	142	.2	52	Q	Q	.1	101
\$35,000 OR MORE.....	.3	142	.2	174	.1	54	Q	Q	Q	Q
TOTAL POOR (100 PERCENT LEVEL)..	0.5	98	0.4	104	0.1	68	Q	Q	Q	Q
TOTAL POOR (125 PERCENT LEVEL)..	.6	99	.5	106	.1	66	Q	Q	Q	Q
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS.....	1.6	89	1.0	110	.4	49	Q	Q	0.1	88
35 TO 59 YEARS.....	1.5	124	1.1	138	.1	58	Q	Q	.1	95
60 YEARS AND OVER.....	.9	104	.7	117	.1	35	Q	Q	.1	100

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Consumption

Table 2. (Continued)
Census Division: Mountain

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID 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)
HOUSEHOLD MEMBERS										
1.....	1.0	74	.6	89	.2	31	Q	Q	.1	81
2.....	1.4	105	1.0	117	.2	46	Q	Q	.1	109
3 OR MORE.....	1.8	123	1.3	143	.3	63	Q	Q	.1	95
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE										
<2,000 CDD AND >7,000 HDD.....	1.3	131	1.0	143	.1	56	Q	Q	.1	100
<2,000 CDD AND 5,500 TO 7,000 HDD.....	1.2	115	.7	145	.1	50	0.1	113	.1	92
<2,000 CDD AND 4,000 TO 5,499 HDD.....	.3	125	.3	124	Q	Q	Q	Q	Q	Q
<2,000 CDD AND <4,000 HDD.....	.6	68	.4	78	.1	34	Q	Q	Q	Q
>2,000 CDD AND <4,000 HDD.....	.7	63	.4	74	.3	51	Q	Q	Q	Q

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Consumption

Table 2. (Continued)
Census Division: Pacific

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID 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)
TOTAL HOUSEHOLDS.....	11.8	80	8.3	88	2.2	54	0.4	110	0.1	99
AREA TYPE										
URBAN.....	10.0	80	7.8	87	1.6	50	.3	106	Q	Q
RURAL.....	1.8	78	.5	113	.6	67	.1	123	.1	99
SMSA STATUS										
SMSA.....	10.0	80	7.7	86	1.5	51	.3	104	Q	Q
NON-SMSA.....	1.9	77	.6	115	.6	62	.1	134	Q	Q
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD.....	10.1	82	7.1	90	1.7	59	.4	110	.1	99
SOME, NONE, OTHER PAID BY HOUSEHOLD.....	1.7	66	1.2	78	.5	36	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE										
SINGLE FAMILY OR MOBILE HOME..	8.5	89	6.0	97	1.2	68	.4	110	.1	99
2 OR MORE UNITS.....	3.3	57	2.3	65	.9	37	Q	Q	Q	Q
NUMBER OF ROOMS										
1 TO 3.....	2.1	50	1.2	60	.8	33	Q	Q	Q	Q
4 TO 5.....	4.9	71	3.4	77	.9	56	.2	91	Q	Q
6 OR MORE.....	4.8	102	3.7	107	.4	89	.2	123	Q	Q
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED										
ALL.....	2.6	87	2.0	95	0.4	52	Q	Q	Q	Q
SOME.....	1.4	76	1.0	81	.3	58	Q	Q	Q	Q
NONE.....	7.9	78	5.3	87	1.5	54	0.4	111	Q	Q
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 1000.....	4.7	57	2.8	66	1.3	42	.1	73	Q	Q
1,000 TO 1,999.....	5.0	88	3.9	92	.6	68	.2	119	Q	Q
2,000 OR MORE.....	2.1	112	1.6	117	.2	84	.1	119	Q	Q
YEAR HOUSE BUILT										
1939 OR EARLIER.....	2.1	77	1.5	81	.2	64	.1	118	Q	Q
1940 TO 1959.....	3.4	81	2.7	85	.3	61	.2	93	Q	Q
1960 OR LATER.....	6.4	80	4.1	93	1.7	52	.1	139	Q	Q
OWN/RENT										
OWN.....	7.2	92	5.3	98	.9	73	.3	113	0.1	103
RENT.....	4.7	61	3.0	71	1.3	41	.1	102	Q	Q
1979 FAMILY INCOME										
LESS THAN \$10,000.....	3.2	69	2.2	78	.7	48	Q	Q	Q	Q
\$10,000 TO \$19,999.....	3.3	73	2.2	81	.7	51	.1	104	Q	Q
\$20,000 TO \$34,999.....	3.4	84	2.3	91	.5	64	.2	114	Q	Q
\$35,000 OR MORE.....	1.9	102	1.6	109	.2	59	.1	119	Q	Q
TOTAL POOR (100 PERCENT LEVEL)..	1.3	66	0.8	78	0.3	42	Q	Q	Q	Q
TOTAL POOR (125 PERCENT LEVEL)..	1.8	66	1.1	75	.5	47	Q	Q	Q	Q
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS.....	4.2	71	2.8	82	1.1	45	0.1	104	Q	Q
35 TO 59 YEARS.....	4.7	90	3.5	96	.5	70	.2	108	Q	Q
60 YEARS AND OVER.....	2.9	76	2.0	84	.6	56	.1	118	Q	Q

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Consumption

Table 2. (Continued)
Census Division: Pacific

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID 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)
HOUSEHOLD MEMBERS										
1.....	2.5	55	1.6	62	.7	38	.1	99	Q	Q
2.....	4.0	74	2.8	81	.7	52	.2	112	Q	Q
3 OR MORE.....	5.4	95	3.9	104	.7	72	.2	113	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)-- LONG-TERM AVERAGE										
<2,000 CDD AND >7,000 HDD.....	.1	132	.1	191	Q	Q	Q	Q	Q	Q
<2,000 CDD AND 5,500 TO 7,000 HDD.....	.2	88	Q	Q	.1	84	Q	Q	Q	Q
<2,000 CDD AND 4,000 TO 5,499 HDD.....	2.7	81	.8	113	1.3	59	.3	106	Q	Q
<2,000 CDD AND <4,000 HDD.....	8.4	80	7.3	84	.7	41	Q	Q	Q	Q
>2,000 CDD AND <4,000 HDD.....	.4	39	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 5.6 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 1980 RESIDENTIAL ENERGY CONSUMPTION SURVEY.



Average Residential Fuel Expenditures

Table 3. U.S. Average Residential Energy Expenditures for All Fuels Used in the Household, by Main Heating Fuel Type—April 1980 Through March 1981, United States (Dollars per Household)

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID 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)
TOTAL HOUSEHOLDS.....	81.6	917	44.6	815	14.3	797	13.4	1458	3.7	1041
AREA TYPE										
URBAN.....	56.0	898	37.9	811	8.0	701	8.6	1501	.5	820
RURAL.....	25.6	959	6.7	835	6.3	920	4.8	1381	3.2	1076
SMSA STATUS										
SMSA.....	55.6	924	34.1	817	9.6	768	9.3	1503	1.1	967
NON-SMSA.....	26.0	901	10.5	805	4.7	857	4.1	1357	2.5	1074
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD.....	69.3	941	37.7	855	12.4	849	10.1	1484	3.5	1053
SOME, NONE, OTHER PAID BY HOUSEHOLD.....	12.4	781	6.9	593	1.9	449	3.3	1377	.2	814
TYPE OF HOUSING STRUCTURE										
SINGLE FAMILY OR MOBILE HOME..	60.9	970	33.4	875	9.2	959	9.4	1464	3.5	1053
2 OR MORE UNITS.....	20.7	760	11.2	634	5.1	501	4.0	1446	.2	847
NUMBER OF ROOMS										
1 TO 3.....	10.6	612	4.9	510	3.0	423	1.8	1186	.5	756
4 TO 5.....	35.1	805	19.5	707	6.2	727	5.1	1318	2.1	969
6 OR MORE.....	35.9	1116	20.2	992	5.1	1105	6.5	1644	1.1	1329
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED										
ALL.....	29.8	934	16.6	890	9.0	869	2.2	1473	1.2	1110
SOME.....	16.9	1030	9.4	868	1.7	684	4.3	1580	.7	944
NONE.....	34.9	847	18.5	720	3.6	674	6.8	1376	1.9	1031
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 1000.....	28.5	708	14.7	594	5.8	526	4.7	1272	1.8	878
1,000 TO 1,999.....	34.0	924	19.4	835	5.8	873	5.0	1420	1.3	1113
2,000 OR MORE.....	19.1	1214	10.5	1084	2.7	1209	3.7	1749	.5	1420
YEAR HOUSE BUILT										
1939 OR EARLIER.....	23.3	981	13.3	804	.8	781	6.1	1512	.9	1170
1940 TO 1959.....	21.2	912	13.7	800	1.6	755	4.1	1414	.6	991
1960 OR LATER.....	37.2	879	17.6	834	11.9	804	3.2	1413	2.1	1000
OWN/RENT										
OWN.....	54.3	1004	29.9	900	8.5	973	8.7	1523	2.9	1059
RENT.....	27.3	742	14.7	640	5.8	540	4.7	1338	.8	973
1979 FAMILY INCOME										
LESS THAN \$10,000.....	24.2	784	12.8	670	3.9	604	4.4	1358	1.3	892
\$10,000 TO \$19,999.....	25.7	866	13.5	774	4.5	724	4.2	1370	1.2	1018
\$20,000 TO \$34,999.....	22.3	996	12.7	893	4.1	893	3.4	1537	.8	1208
\$35,000 OR MORE.....	9.4	1206	5.6	1065	1.8	1182	1.4	1855	.3	1360
TOTAL POOR (100 PERCENT LEVEL)..	10.9	797	5.9	725	1.8	661	1.7	1349	.6	893
TOTAL POOR (125 PERCENT LEVEL)..	14.8	807	7.8	710	2.3	651	2.6	1349	.8	942
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS.....	26.8	796	14.4	721	6.2	690	3.2	1372	1.2	992
35 TO 59 YEARS.....	33.0	1041	18.5	936	4.7	986	5.7	1532	1.4	1146
60 YEARS AND OVER.....	21.8	877	11.7	738	3.3	728	4.5	1425	1.1	968

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Expenditures

Table 3. (Continued)
United States

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID 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)
HOUSEHOLD MEMBERS										
1.....	15.7	686	8.2	565	3.6	544	2.7	1271	0.6	800
2.....	26.8	855	14.4	752	4.8	702	4.8	1382	1.2	981
3 OR MORE.....	39.1	1051	21.9	950	5.8	1034	5.9	1607	1.8	1165
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE										
<2,000 CDD AND >7,000 HDD.....	8.5	951	4.3	803	.6	909	1.8	1379	.5	1215
<2,000 CDD AND 5,500 TO 7,000 HDD.....	20.9	988	13.5	874	2.5	810	3.6	1548	.6	1121
<2,000 CDD AND 4,000 TO 5,499 HDD.....	21.1	1052	9.0	941	3.6	751	6.4	1479	.6	1190
<2,000 CDD AND <4,000 HDD.....	19.0	707	12.1	650	3.1	721	1.2	1276	.9	931
>2,000 CDD AND <4,000 HDD.....	12.1	861	5.7	831	4.5	865	.4	1223	1.0	909

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Expenditures

Table 3. (Continued)
Census Region: Northeast

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID 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)
TOTAL HOUSEHOLDS.....	17.7	1268	6.6	1026	1.6	991	8.2	1580	0.2	1137
AREA TYPE										
URBAN.....	13.2	1287	5.7	1036	.8	990	6.3	1583	Q	Q
RURAL.....	4.5	1211	.9	964	.8	992	1.9	1570	.1	1112
SMSA STATUS										
SMSA.....	13.9	1292	5.4	1038	1.3	958	6.7	1588	.1	960
NON-SMSA.....	3.7	1175	1.2	972	.3	1132	1.5	1540	.1	1469
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD.....	13.1	1307	5.1	1100	1.4	1062	5.4	1665	.2	1137
SOME, NONE, OTHER PAID BY HOUSEHOLD.....	4.6	1153	1.5	780	.2	485	2.8	1415	Q	Q
TYPE OF HOUSING STRUCTURE										
SINGLE FAMILY OR MOBILE HOME..	10.9	1329	4.0	1104	1.0	1249	4.8	1646	.1	1285
2 OR MORE UNITS.....	6.8	1170	2.6	906	.6	584	3.4	1488	.1	1000
NUMBER OF ROOMS										
1 TO 3.....	2.7	984	.9	689	.3	487	1.5	1271	Q	Q
4 TO 5.....	6.4	1123	2.4	881	.8	883	2.8	1473	.2	1035
6 OR MORE.....	8.5	1470	3.3	1225	.6	1373	3.9	1771	Q	Q
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED										
ALL.....	2.9	1300	1.3	1161	.5	1214	1.0	1551	Q	Q
SOME.....	5.8	1357	2.2	1093	.5	742	2.9	1679	Q	Q
NONE.....	9.0	1199	3.1	922	.6	997	4.3	1518	.1	1146
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 1000.....	5.9	1100	2.1	776	0.5	693	3.0	1404	0.1	1097
1,000 TO 1,999.....	6.6	1213	2.7	1027	.6	1005	2.8	1505	Q	Q
2,000 OR MORE.....	5.1	1532	1.8	1317	.4	1323	2.3	1901	Q	Q
YEAR HOUSE BUILT										
1939 OR EARLIER.....	8.1	1272	3.2	931	.1	991	4.2	1593	Q	Q
1940 TO 1959.....	3.9	1322	1.3	1078	.1	560	2.2	1556	Q	Q
1960 OR LATER.....	5.7	1225	2.1	1140	1.3	1039	1.7	1579	.1	1032
OWN/RENT										
OWN.....	11.1	1379	4.1	1159	.9	1224	5.1	1685	.1	1366
RENT.....	6.6	1080	2.5	811	.7	677	3.1	1409	.1	1032
1979 FAMILY INCOME										
LESS THAN \$10,000.....	4.7	1184	1.6	858	.3	773	2.6	1491	Q	Q
\$10,000 TO \$19,999.....	6.0	1168	2.3	949	.4	902	2.7	1484	.1	1003
\$20,000 TO \$34,999.....	5.1	1308	2.1	1092	.6	1035	2.0	1660	.1	962
\$35,000 OR MORE.....	1.9	1690	.6	1490	.2	1457	.9	1934	Q	Q
TOTAL POOR (100 PERCENT LEVEL)..	1.7	1231	.7	1006	.2	759	.8	1548	Q	Q
TOTAL POOR (125 PERCENT LEVEL)..	2.7	1212	.9	967	.3	774	1.4	1498	Q	Q
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS.....	5.3	1070	2.0	871	.9	804	1.9	1475	.1	1041
35 TO 59 YEARS.....	7.7	1395	2.9	1203	.5	1265	3.5	1667	Q	Q
60 YEARS AND OVER.....	4.7	1282	1.7	904	.2	1119	2.8	1541	Q	Q

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Expenditures

Table 3. (Continued)
Census Region: Northeast

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID 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)
HOUSEHOLD MEMBERS										
1.....	3.5	1020	1.3	671	0.4	649	1.8	1364	Q	Q
2.....	5.5	1200	2.0	906	.4	863	2.8	1513	Q	Q
3 OR MORE.....	8.6	1412	3.4	1230	.7	1265	3.6	1737	0.1	1180
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE										
<2,000 CDD AND >7,000 HDD.....	1.7	1179	.1	1010	.1	1109	.8	1517	Q	Q
<2,000 CDD AND 5,500 TO 7,000 HDD.....	7.8	1172	3.6	921	.9	916	2.9	1597	.1	883
<2,000 CDD AND 4,000 TO 5,499 HDD.....	8.1	1379	2.9	1155	.5	1093	4.4	1580	Q	Q
<2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Expenditures

Table 3. (Continued)
Census Division:
New England

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
	NUMBER OF HOUSEHOLDS (MIL-LIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID PETROLEUM GAS AS MAIN HEATING FUEL	
			NUMBER OF HOUSEHOLDS (MIL-LIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MIL-LIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MIL-LIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MIL-LIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS.....	4.3	1311	1.1	1023	0.3	957	2.3	1606	Q	Q
AREA TYPE										
URBAN.....	2.9	1316	1.0	1016	.1	1016	1.5	1597	Q	Q
RURAL.....	1.3	1298	.1	1096	.2	912	.7	1626	Q	Q
SMSA STATUS										
SMSA.....	3.1	1343	1.0	1036	.3	923	1.7	1615	Q	Q
NON-SMSA.....	1.2	1222	.1	858	Q	Q	.6	1581	Q	Q
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD.....	3.6	1344	.9	1065	.2	1134	1.9	1631	Q	Q
SOME, NONE, OTHER PAID BY HOUSEHOLD.....	.7	1128	.2	834	.1	487	.4	1476	Q	Q
TYPE OF HOUSING STRUCTURE										
SINGLE FAMILY OR MOBILE HOME..	2.4	1434	.3	1266	.2	1341	1.4	1670	Q	Q
2 OR MORE UNITS.....	1.9	1154	.8	930	.2	617	.9	1500	Q	Q
NUMBER OF ROOMS										
1 TO 3 .....	.5	773	.2	660	.1	492	.2	1158	Q	Q
4 TO 5.....	1.8	1178	.6	962	.1	1113	.9	1458	Q	Q
6 OR MORE.....	2.0	1566	.4	1299	.1	1442	1.3	1767	Q	Q
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED										
ALL.....	.6	1379	.1	1244	.1	833	.3	1571	Q	Q
SOME.....	1.2	1350	.4	1062	.1	866	.6	1728	Q	Q
NONE.....	2.5	1276	.6	958	.1	1135	1.3	1562	Q	Q
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 1000.....	1.3	1113	0.4	859	0.2	640	0.6	1456	Q	Q
1,000 TO 1,999.....	1.7	1222	.5	955	.1	1281	.9	1468	Q	Q
2,000 OR MORE.....	1.3	1624	.2	1527	.1	1422	.8	1884	Q	Q
YEAR HOUSE BUILT										
1939 OR EARLIER.....	2.2	1313	.8	955	Q	Q	1.3	1579	Q	Q
1940 TO 1959.....	.8	1423	.1	1061	Q	Q	.5	1670	Q	Q
1960 OR LATER.....	1.2	1235	.2	1234	.3	973	.5	1608	Q	Q
OWN/RENT										
OWN.....	2.7	1440	.5	1202	.1	1363	1.6	1683	Q	Q
RENT.....	1.6	1087	.6	879	.2	719	.7	1423	Q	Q
1979 FAMILY INCOME										
LESS THAN \$10,000.....	1.0	1170	.3	881	.1	498	.6	1473	Q	Q
\$10,000 TO \$19,999.....	1.4	1162	.4	918	.1	1116	.7	1461	Q	Q
\$20,000 TO \$34,999.....	1.2	1370	.3	1071	.1	901	.7	1635	Q	Q
\$35,000 OR MORE.....	.7	1728	.1	1467	.1	1329	.4	2025	Q	Q
TOTAL POOR (100 PERCENT LEVEL)..	.4	1154	.1	962	.1	368	.2	1691	Q	Q
TOTAL POOR (125 PERCENT LEVEL)..	.6	1082	.2	924	.1	384	.3	1429	Q	Q
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS.....	1.2	1089	.4	885	.1	647	.5	1427	Q	Q
35 TO 59 YEARS.....	1.9	1410	.4	1165	.1	1163	1.0	1688	Q	Q
60 YEARS AND OVER.....	1.1	1386	.3	976	.1	1085	.7	1628	Q	Q

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Expenditures

Table 3. (Continued)
Census Division:
New England

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID 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)
HOUSEHOLD MEMBERS										
1.....	0.7	1009	0.2	696	0.1	557	0.4	1382	Q	Q
2.....	1.3	1274	.3	993	.1	983	.7	1562	Q	Q
3 OR MORE.....	2.2	1434	.5	1187	.1	1384	1.2	1704	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE										
<2,000 CDD AND >7,000 HDD.....	1.1	1235	.1	1010	Q	Q	.5	1606	Q	Q
<2,000 CDD AND 5,500 TO 7,000 HDD.....	3.2	1337	1.0	1024	.3	923	1.8	1606	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 Residential Fuel Expenditures

Table 3. (Continued)
Census Division:
Middle Atlantic

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID 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)
TOTAL HOUSEHOLDS.....	13.4	1254	5.5	1027	1.3	1000	5.9	1569	0.1	1032
AREA TYPE										
URBAN.....	10.3	1278	4.7	1040	.6	984	4.7	1578	Q	Q
RURAL.....	3.1	1174	.8	950	.6	1016	1.2	1535	.1	980
SMSA STATUS										
SMSA.....	10.8	1278	4.4	1038	1.0	968	5.0	1580	.1	1016
NON-SMSA.....	2.6	1154	1.1	980	.3	1112	.9	1514	Q	Q
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD.....	9.5	1293	4.2	1107	1.1	1047	3.5	1684	.1	1032
SOME, NONE, OTHER PAID BY HOUSEHOLD.....	3.9	1157	1.3	771	.1	484	2.4	1405	Q	Q
TYPE OF HOUSING STRUCTURE										
SINGLE FAMILY OR MOBILE HOME..	8.5	1300	3.7	1091	.8	1232	3.3	1636	Q	Q
2 OR MORE UNITS.....	4.9	1176	1.8	895	.4	571	2.6	1484	.1	1029
NUMBER OF ROOMS										
1 TO 3.....	2.2	1030	.8	695	.1	482	1.3	1285	Q	Q
4 TO 5.....	4.6	1101	1.8	855	.7	849	1.9	1480	.1	1032
6 OR MORE.....	6.5	1440	3.0	1216	.5	1359	2.7	1774	Q	Q
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED										
ALL.....	2.3	1281	1.2	1153	.4	1275	.6	1540	Q	Q
SOME.....	4.6	1359	1.8	1099	.3	692	2.4	1666	Q	Q
NONE.....	6.5	1170	2.5	913	.5	962	2.9	1498	.1	1016
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 1000.....	4.6	1096	1.7	755	0.3	722	2.4	1390	0.1	1047
1,000 TO 1,999.....	5.0	1210	2.2	1042	.6	972	1.9	1522	Q	Q
2,000 OR MORE.....	3.8	1500	1.6	1291	.4	1302	1.5	1909	Q	Q
YEAR HOUSE BUILT										
1939 OR EARLIER.....	5.8	1256	2.5	924	.1	948	3.0	1598	Q	Q
1940 TO 1959.....	3.1	1297	1.2	1079	.1	507	1.7	1521	Q	Q
1960 OR LATER.....	4.5	1222	1.8	1128	1.0	1056	1.3	1567	.1	1032
OWN/RENT										
OWN.....	8.4	1359	3.6	1153	.8	1202	3.5	1685	Q	Q
RENT.....	5.0	1078	1.9	789	.5	658	2.4	1404	.1	1016
1979 FAMILY INCOME										
LESS THAN \$10,000.....	3.7	1188	1.3	853	.3	871	2.0	1497	Q	Q
\$10,000 TO \$19,999.....	4.6	1170	1.9	955	.3	838	2.0	1492	.1	1092
\$20,000 TO \$34,999.....	3.9	1290	1.8	1095	.5	1049	1.3	1672	.1	962
\$35,000 OR MORE.....	1.2	1668	.5	1497	.1	1542	.5	1873	Q	Q
TOTAL POOR (100 PERCENT LEVEL)..	1.3	1254	.5	1018	.1	916	.6	1513	Q	Q
TOTAL POOR (125 PERCENT LEVEL)..	2.1	1250	.7	978	.2	916	1.1	1515	Q	Q
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS.....	4.0	1064	1.7	868	.8	828	1.3	1495	.1	993
35 TO 59 YEARS.....	5.7	1390	2.5	1209	.4	1303	2.5	1658	Q	Q
60 YEARS AND OVER.....	3.6	1249	1.4	889	.1	1141	2.1	1512	Q	Q

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Expenditures

Table 3. (Continued)
 Census Division:
 Middle Atlantic

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:								
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID 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)	
HOUSEHOLD MEMBERS											
1.....	2.8	1023	1.0	666	0.3	687	1.4	1360	Q	Q	
2.....	4.2	1177	1.6	888	.3	828	2.0	1496	Q	Q	
3 OR MORE.....	6.4	1404	2.8	1238	.6	1244	2.4	1753	0.1	1016	
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE											
<2,000 CDD AND >7,000 HDD.....	.6	1083	Q	Q	.1	1037	.3	1379	Q	Q	
<2,000 CDD AND 5,500 TO 7,000 HDD.....	4.7	1060	2.6	882	.6	912	1.1	1584	.1	943	
<2,000 CDD AND 4,000 TO 5,499 HDD.....	8.1	1379	2.9	1155	.5	1093	4.4	1580	Q	Q	
<2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-	-	
>2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-	-	

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Expenditures

Table 3. (Continued)
Census Region:
North Central

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID 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)
TOTAL HOUSEHOLDS.....	21.1	910	15.0	861	2.1	654	1.5	1309	1.2	1278
AREA TYPE										
URBAN.....	14.2	863	12.6	862	.9	643	.5	1265	.1	1152
RURAL.....	6.9	1006	2.4	852	1.2	1024	1.0	1334	1.1	1287
SMSA STATUS										
SMSA.....	13.8	903	11.3	880	1.3	763	.7	1317	.4	1284
NON-SMSA.....	7.2	924	3.7	802	.8	993	.9	1303	.8	1276
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD.....	18.3	958	12.6	914	1.8	917	1.5	1314	1.2	1284
SOME, NONE, OTHER PAID BY HOUSEHOLD.....	2.8	596	2.4	578	.3	474	.1	1237	Q	Q
TYPE OF HOUSING STRUCTURE										
SINGLE FAMILY OR MOBILE HOME..	16.1	995	11.0	936	1.2	1114	1.4	1331	1.2	1278
2 OR MORE UNITS.....	5.0	638	4.0	650	.9	494	.2	1123	Q	Q
NUMBER OF ROOMS										
1 TO 3.....	2.1	573	1.4	562	.5	447	.1	861	.1	1038
4 TO 5.....	9.2	809	6.7	757	.8	800	.6	1180	.7	1094
6 OR MORE.....	9.7	1081	6.9	1022	.8	1152	.8	1478	.4	1594
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED										
ALL.....	7.6	922	5.5	899	1.4	808	.2	1396	.4	1311
SOME.....	4.7	904	3.8	874	.2	798	.3	1366	.2	1115
NONE.....	8.8	902	5.7	815	.5	997	1.0	1269	.7	1298
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 1000.....	6.3	661	4.6	636	0.9	536	0.3	1003	0.4	997
1,000 TO 1,999.....	8.4	931	6.0	873	.7	912	.7	1384	.5	1237
2,000 OR MORE.....	6.4	1126	4.5	1074	.6	1263	.5	1398	.3	1667
YEAR HOUSE BUILT										
1939 OR EARLIER.....	7.5	918	5.7	851	.1	1021	.7	1431	.4	1348
1940 TO 1959.....	5.2	918	4.3	871	.1	1157	.4	1269	.2	1288
1960 OR LATER.....	8.3	898	5.0	863	1.9	828	.5	1163	.5	1214
OWN/RENT										
OWN.....	14.4	998	10.0	941	1.2	1078	1.2	1353	1.0	1293
RENT.....	6.6	718	5.0	700	.9	553	.4	1173	.2	1193
1979 FAMILY INCOME										
LESS THAN \$10,000.....	6.1	778	4.3	735	.5	614	.5	1237	.4	1064
\$10,000 TO \$19,999.....	6.8	845	4.5	817	.8	780	.4	1135	.4	1136
\$20,000 TO \$34,999.....	6.0	1006	4.5	927	.6	1037	.5	1420	.3	1605
\$35,000 OR MORE.....	2.2	1208	1.6	1134	.2	1276	.1	1921	.2	1523
TOTAL POOR (100 PERCENT LEVEL)..	2.6	819	2.0	812	.2	725	.1	1328	.1	952
TOTAL POOR (125 PERCENT LEVEL)..	3.6	809	2.7	788	.3	703	.2	1259	.2	989
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS.....	6.8	805	4.9	759	.8	737	.4	1141	.3	1242
35 TO 59 YEARS.....	8.4	1052	6.0	1007	.8	1072	.5	1522	.4	1432
60 YEARS AND OVER.....	5.9	829	4.1	767	.5	705	.6	1239	.4	1153

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Expenditures

Table 3. (Continued)
Census Region:
North Central

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID 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)
HOUSEHOLD MEMBERS										
1.....	3.5	671	2.5	626	0.6	611	0.2	1113	0.2	916
2.....	7.2	833	5.1	795	.8	710	.6	1202	.5	1197
3 OR MORE.....	10.4	1044	7.5	983	.8	1160	.7	1460	.5	1465
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE										
<2,000 CDD AND >7,000 HDD.....	5.3	944	3.1	838	.4	999	.9	1245	.3	1294
<2,000 CDD AND 5,500 TO 7,000 HDD.....	11.7	904	9.2	872	1.3	804	.6	1409	.4	1263
<2,000 CDD AND 4,000 TO 5,499 HDD.....	4.1	881	2.8	849	.5	876	.1	1371	.4	1281
<2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Expenditures

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

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID 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)
TOTAL HOUSEHOLDS.....	14.8	921	10.4	881	1.7	829	1.2	1281	0.7	1329
AREA TYPE										
URBAN.....	10.5	874	9.1	878	.9	644	.4	1319	.1	1089
RURAL.....	4.3	1037	1.3	903	.8	1029	.8	1261	.6	1349
SMSA STATUS										
SMSA.....	10.8	904	8.7	886	1.1	701	.5	1355	.3	1270
NON-SMSA.....	4.0	967	1.8	858	.7	1035	.6	1214	.4	1383
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD.....	12.7	974	8.7	938	1.4	899	1.1	1285	.7	1329
SOME, NONE, OTHER PAID BY HOUSEHOLD.....	2.1	610	1.7	595	.3	468	.1	1237	Q	Q
TYPE OF HOUSING STRUCTURE										
SINGLE FAMILY OR MOBILE HOME..	10.7	1023	7.4	967	.9	1153	1.0	1305	.7	1329
2 OR MORE UNITS.....	4.1	653	3.1	674	.8	487	.2	1120	Q	Q
NUMBER OF ROOMS										
1 TO 3.....	1.6	575	1.0	589	.5	441	.1	816	Q	Q
4 TO 5.....	6.4	823	4.6	774	.6	797	.5	1177	.4	1117
6 OR MORE.....	6.9	1091	4.9	1040	.6	1152	.6	1419	.2	1826
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED										
ALL.....	4.3	925	2.8	930	1.0	746	.2	1340	.2	1265
SOME.....	3.4	925	2.8	896	.2	799	.3	1419	Q	Q
NONE.....	7.2	918	4.8	844	.5	1017	.7	1218	.4	1384
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 1000.....	4.5	673	3.2	658	0.8	526	0.2	1003	0.2	1038
1,000 TO 1,999.....	6.0	942	4.4	892	.5	908	.5	1334	.2	1320
2,000 OR MORE.....	4.4	1145	2.9	1110	.4	1289	.4	1350	.2	1689
YEAR HOUSE BUILT										
1939 OR EARLIER.....	5.2	931	4.0	886	.1	1021	.5	1390	.1	1447
1940 TO 1959.....	3.7	933	3.1	881	.1	1033	.3	1326	.2	1369
1960 OR LATER.....	5.9	905	3.3	875	1.6	808	.4	1117	.4	1265
OWN/RENT										
OWN.....	9.8	1016	6.7	960	.9	1092	.8	1318	.6	1350
RENT.....	5.1	739	3.8	740	.8	530	.3	1177	.1	1204
1979 FAMILY INCOME										
LESS THAN \$10,000.....	4.2	815	3.0	779	.4	579	.4	1262	.2	1222
\$10,000 TO \$19,999.....	4.8	845	3.2	819	.7	765	.3	1135	.3	1126
\$20,000 TO \$34,999.....	4.4	1018	3.3	944	.4	1033	.4	1379	.2	1713
\$35,000 OR MORE.....	1.4	1208	1.0	1165	.1	1307	Q	Q	Q	Q
TOTAL POOR (100 PERCENT LEVEL)..	1.9	857	1.6	855	.1	685	.1	1383	Q	Q
TOTAL POOR (125 PERCENT LEVEL)..	2.7	848	2.1	831	.2	690	.2	1313	.1	1021
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS.....	4.7	798	3.3	774	.6	657	.3	1048	.2	1208
35 TO 59 YEARS.....	6.0	1062	4.3	1021	.6	1080	.3	1501	.3	1484
60 YEARS AND OVER.....	4.1	858	2.8	791	.4	705	.5	1261	.2	1250

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Expenditures

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

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:								
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID 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)	
HOUSEHOLD MEMBERS											
1.....	2.5	685	1.7	644	0.5	611	0.2	1140	0.1	960	
2.....	4.9	851	3.4	829	.6	676	.4	1176	.3	1218	
3 OR MORE.....	7.3	1051	5.3	989	.6	1176	.5	1426	.3	1530	
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE											
<2,000 CDD AND >7,000 HDD.....	3.1	946	1.4	862	.3	993	.6	1154	.2	1296	
<2,000 CDD AND 5,500 TO 7,000 HDD.....	10.2	914	8.0	887	1.2	800	.5	1422	.3	1311	
<2,000 CDD AND 4,000 TO 5,499 HDD.....	1.5	921	1.0	861	.2	782	0	0	.2	1406	
<2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-	-	
>2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-	-	

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Expenditures

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

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
	NUMBER OF HOUSEHOLDS (MIL-LIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID PETROLEUM GAS AS MAIN HEATING FUEL	
			NUMBER OF HOUSEHOLDS (MIL-LIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MIL-LIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MIL-LIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MIL-LIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS.....	6.3	883	4.5	814	0.4	958	0.4	1393	0.5	1211
AREA TYPE										
URBAN.....	3.7	835	3.5	822	.1	628	.2	1135	Q	Q
RURAL.....	2.5	953	1.1	789	.4	1011	.2	1573	.5	1207
SMSA STATUS										
SMSA.....	3.1	898	2.6	861	.2	1051	.1	1178	Q	Q
NON-SMSA.....	3.2	869	1.9	752	.2	841	.2	1523	.5	1194
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD.....	5.6	924	3.9	861	.4	983	.4	1393	.5	1220
SOME, NONE, OTHER PAID BY HOUSEHOLD.....	.7	555	.6	528	Q	Q	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE										
SINGLE FAMILY OR MOBILE HOME..	5.3	938	3.7	875	.4	1018	.4	1398	.5	1209
2 OR MORE UNITS.....	1.0	578	.9	564	.1	593	Q	Q	Q	Q
NUMBER OF ROOMS										
1 TO 3.....	.6	566	.4	503	Q	Q	Q	Q	Q	Q
4 TO 5.....	2.9	776	2.1	719	.2	811	.2	1187	.2	1051
6 OR MORE.....	2.8	1056	2.0	980	.2	1153	.2	1676	.2	1407
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED										
ALL.....	3.3	919	2.7	867	.3	988	.1	1533	.2	1364
SOME.....	1.3	852	1.0	815	Q	Q	.1	1173	.1	1148
NONE.....	1.6	835	.9	651	Q	Q	.3	1415	.2	1116
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 1000.....	1.8	633	1.4	584	0.1	635	0.1	1005	0.1	929
1,000 TO 1,999.....	2.4	903	1.6	823	.2	922	.2	1553	.2	1154
2,000 OR MORE.....	2.0	1085	1.6	1008	.1	1182	.1	1559	.1	1633
YEAR HOUSE BUILT										
1939 OR EARLIER.....	2.3	888	1.7	766	Q	Q	.2	1527	.3	1299
1940 TO 1959.....	1.5	880	1.2	846	Q	Q	.1	1140	.1	1108
1960 OR LATER.....	2.4	880	1.7	840	.4	913	.1	1425	.1	1076
OWN/RENT										
OWN.....	4.7	962	3.3	903	.3	1036	.3	1443	.4	1217
RENT.....	1.6	648	1.2	581	.1	731	.1	1150	.1	1180
1979 FAMILY INCOME										
LESS THAN \$10,000.....	1.9	695	1.3	638	.1	773	.1	1141	.2	918
\$10,000 TO \$19,999.....	1.9	847	1.4	813	.1	871	.1	1134	.1	1162
\$20,000 TO \$34,999.....	1.6	973	1.2	880	.1	1051	.1	1544	.1	1407
\$35,000 OR MORE.....	.8	1208	.6	1081	.1	1204	Q	Q	.1	1548
TOTAL POOR (100 PERCENT LEVEL)..	.6	709	.4	654	Q	Q	Q	Q	.1	957
TOTAL POOR (125 PERCENT LEVEL)..	.9	695	.6	640	.1	752	Q	Q	.1	970
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS.....	2.1	821	1.6	729	.2	1038	.1	1352	.1	1288
35 TO 59 YEARS.....	2.4	1028	1.7	971	.1	1039	.2	1564	.2	1347
60 YEARS AND OVER.....	1.8	762	1.2	712	.1	705	.1	1116	.2	1047

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Expenditures

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

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID 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)
HOUSEHOLD MEMBERS										
1.....	1.0	633	0.8	586	0.1	610	Q	Q	0.1	873
2.....	2.3	795	1.6	724	.1	858	0.1	1279	.2	1166
3 OR MORE.....	3.0	1027	2.1	966	.2	1115	.2	1541	.2	1377
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE										
<2,000 CDD AND >7,000 HDD.....	2.2	942	1.7	818	.1	1021	.3	1430	.1	1289
<2,000 CDD AND 5,500 TO 7,000 HDD.....	1.5	839	1.2	768	Q	Q	.1	1307	.2	1184
<2,000 CDD AND 4,000 TO 5,499 HDD.....	2.6	859	1.7	842	.3	939	Q	Q	.3	1204
<2,000 CDD AND >2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Expenditures

Table 3. (Continued)
Census Region: South

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID 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)
TOTAL HOUSEHOLDS.....	27.0	877	11.8	827	7.7	861	3.1	1303	2.0	921
AREA TYPE										
URBAN.....	15.7	862	9.4	830	4.2	788	1.4	1402	.4	751
RURAL.....	11.3	897	2.4	818	3.5	948	1.7	1224	1.6	958
SMSA STATUS										
SMSA.....	15.3	881	7.8	834	5.0	837	1.6	1359	.6	803
NON-SMSA.....	11.6	872	4.0	815	2.7	905	1.6	1247	1.4	972
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD.....	24.2	905	10.5	862	6.9	905	2.8	1322	1.9	928
SOME, NONE, OTHER PAID BY HOUSEHOLD.....	2.7	626	1.4	564	.8	501	.4	1155	.1	698
TYPE OF HOUSING STRUCTURE										
SINGLE FAMILY OR MOBILE HOME..	22.1	933	10.0	874	5.3	996	2.8	1309	1.9	936
2 OR MORE UNITS.....	4.8	618	1.8	573	2.4	561	.4	1257	.1	670
NUMBER OF ROOMS										
1 TO 3.....	3.1	528	1.0	510	1.4	478	.2	745	.3	732
4 TO 5.....	12.4	781	5.6	718	3.3	764	1.5	1167	1.1	900
6 OR MORE.....	11.5	1073	5.2	1007	3.1	1134	1.5	1509	.5	1090
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED										
ALL.....	15.3	932	7.0	901	6.2	892	.9	1432	.7	1031
SOME.....	4.7	921	2.2	810	.7	703	1.0	1401	.5	879
NONE.....	7.0	727	2.6	647	.9	769	1.2	1112	.9	860
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 1000.....	10.0	669	4.1	606	2.8	580	1.2	1071	1.1	841
1,000 TO 1,999.....	12.3	912	5.7	866	3.5	919	1.2	1332	.7	1022
2,000 OR MORE.....	4.7	1228	2.0	1162	1.4	1268	.6	1688	.2	1021
YEAR HOUSE BUILT										
1939 OR EARLIER.....	4.9	836	2.3	747	.4	799	1.0	1320	.4	983
1940 TO 1959.....	7.6	891	4.4	821	1.0	860	1.3	1328	.4	818
1960 OR LATER.....	14.5	883	5.1	869	6.4	865	.9	1250	1.2	933
OWN/RENT										
OWN.....	18.7	955	8.5	903	5.0	999	2.1	1331	1.6	927
RENT.....	8.3	701	3.4	638	2.7	603	1.1	1248	.4	897
1979 FAMILY INCOME										
LESS THAN \$10,000.....	9.0	719	3.8	651	2.2	658	1.3	1160	.8	827
\$10,000 TO \$19,999.....	8.1	837	3.5	784	2.3	781	.9	1236	.7	979
\$20,000 TO \$34,999.....	6.7	974	3.0	941	2.2	933	.6	1466	.4	1004
\$35,000 OR MORE.....	3.1	1231	1.5	1135	1.1	1293	.3	1765	.1	1021
TOTAL POOR (100 PERCENT LEVEL)..	4.9	745	2.0	663	1.0	744	.8	1151	.5	885
TOTAL POOR (125 PERCENT LEVEL)..	6.1	751	2.5	659	1.2	730	1.0	1168	.5	928
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS.....	8.9	798	3.6	765	3.0	761	.8	1309	.7	885
35 TO 59 YEARS.....	10.7	985	4.9	927	2.7	1011	1.5	1318	.7	1018
60 YEARS AND OVER.....	7.3	815	3.3	749	2.0	805	.9	1273	.6	852

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Expenditures

Table 3. (Continued)
Census Region: South

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID 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)
HOUSEHOLD MEMBERS										
1.....	5.3	647	2.3	580	1.7	597	0.6	1125	0.3	767
2.....	8.7	838	3.6	815	2.7	759	1.2	1245	.7	828
3 OR MORE.....	13.0	997	5.9	932	3.3	1086	1.3	1435	1.0	1027
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.....	5.9	966	2.2	877	1.3	917	1.6	1337	.1	982
<2,000 CDD AND <4,000 HDD.....	10.0	838	4.4	789	2.4	821	1.2	1282	.9	926
>2,000 CDD AND <4,000 HDD.....	11.0	864	5.3	838	4.1	867	.4	1223	1.0	909

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Expenditures

Table 3. (Continued)
Census Division:
South Atlantic

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID 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)
TOTAL HOUSEHOLDS.....	14.0	942	4.0	860	4.3	907	3.0	1312	1.1	895
AREA TYPE										
URBAN.....	7.4	938	3.3	870	2.3	828	1.4	1399	.3	679
RURAL.....	6.7	946	.8	816	2.1	994	1.7	1242	.8	973
SMSA STATUS										
SMSA.....	8.1	963	2.7	894	3.2	888	1.5	1362	.5	761
NON-SMSA.....	6.0	913	1.3	791	1.2	958	1.5	1262	.6	997
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD.....	12.6	966	3.3	917	4.1	930	2.7	1333	1.1	910
SOME, NONE, OTHER PAID BY HOUSEHOLD.....	1.4	722	.7	602	.2	520	.4	1158	Q	Q
TYPE OF HOUSING STRUCTURE										
SINGLE FAMILY OR MOBILE HOME..	11.2	1005	3.1	930	3.0	1042	2.7	1320	1.0	918
2 OR MORE UNITS.....	2.8	690	.9	630	1.3	596	.4	1257	.1	670
NUMBER OF ROOMS										
1 TO 3.....	1.5	536	.3	525	.7	493	.2	730	.2	671
4 TO 5.....	6.1	830	1.7	752	1.8	766	1.4	1173	.6	818
6 OR MORE.....	6.4	1144	2.0	1012	1.9	1195	1.5	1519	.3	1163
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED										
ALL.....	6.9	998	2.1	901	3.4	942	.9	1437	.2	1091
SOME.....	2.7	1034	.8	876	.4	679	1.0	1406	.3	893
NONE.....	4.5	801	1.1	770	.6	851	1.1	1128	.6	816
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 1000.....	5.2	717	1.3	619	1.5	591	1.2	1082	0.7	780
1,000 TO 1,999.....	6.2	969	1.9	886	2.1	952	1.2	1334	.3	1074
2,000 OR MORE.....	2.6	1316	.8	1165	.8	1383	.6	1700	.1	1043
YEAR HOUSE BUILT										
1939 OR EARLIER.....	3.0	932	.9	838	.2	818	.9	1328	.2	995
1940 TO 1959.....	3.8	963	1.4	836	.6	856	1.2	1338	.1	694
1960 OR LATER.....	7.3	935	1.7	890	3.5	922	.9	1262	.7	901
OWN/RENT										
OWN.....	9.6	1019	2.7	944	3.1	1034	2.0	1344	.9	910
RENT.....	4.5	777	1.3	689	1.3	606	1.0	1252	.3	848
1979 FAMILY INCOME										
LESS THAN \$10,000.....	4.4	809	1.1	698	1.0	720	1.2	1176	.5	752
\$10,000 TO \$19,999.....	4.4	898	1.2	817	1.3	802	.9	1236	.4	1044
\$20,000 TO \$34,999.....	3.5	986	1.1	942	1.3	899	.6	1485	.2	928
\$35,000 OR MORE.....	1.7	1298	.6	1084	.7	1388	.3	1765	.1	928
TOTAL POOR (100 PERCENT LEVEL)..	2.5	842	.7	748	.4	891	.7	1162	.3	774
TOTAL POOR (125 PERCENT LEVEL)..	3.0	861	.8	742	.5	883	.9	1177	.3	860
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS.....	4.5	852	1.2	820	1.6	775	.7	1326	.4	868
35 TO 59 YEARS.....	5.8	1039	1.8	916	1.5	1087	1.4	1314	.5	1000
60 YEARS AND OVER.....	3.7	897	1.0	811	1.2	852	.9	1298	.3	773

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Expenditures

Table 3. (Continued)
Census Division:
South Atlantic

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID 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)
HOUSEHOLD MEMBERS										
1.....	2.8	699	0.9	602	0.9	577	0.6	1148	0.2	724
2.....	4.5	902	.9	819	1.7	797	1.2	1251	.4	882
3 OR MORE.....	6.7	1070	2.2	980	1.7	1202	1.3	1441	.5	974
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.....	4.7	1026	1.6	948	.8	969	1.5	1348	.1	1031
<2,000 CDD AND <4,000 HDD.....	5.2	911	1.9	826	.9	876	1.1	1294	.5	941
>2,000 CDD AND <4,000 HDD.....	4.1	884	.5	713	2.6	900	.4	1223	.5	814

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Expenditures

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

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID 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)
TOTAL HOUSEHOLDS.....	5.2	781	2.2	773	1.8	815	0.1	981	0.4	954
AREA TYPE										
URBAN.....	2.6	776	1.7	773	.7	778	Q	Q	Q	Q
RURAL.....	2.6	786	.5	772	1.1	840	.1	798	.4	955
SMSA STATUS										
SMSA.....	2.0	765	1.1	743	.7	813	Q	Q	Q	Q
NON-SMSA.....	3.1	791	1.1	806	1.2	816	Q	Q	.3	966
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD.....	4.7	812	2.0	809	1.6	869	.1	967	.4	943
SOME, NONE ,OTHER PAID BY HOUSEHOLD.....	.4	448	.2	400	.2	410	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE										
SINGLE FAMILY OR MOBILE HOME..	4.4	829	1.8	837	1.5	880	.1	981	.4	954
2 OR MORE UNITS.....	.8	501	.4	487	.3	527	Q	Q	Q	Q
NUMBER OF ROOMS										
1 TO 3.....	.6	465	.3	413	.3	407	Q	Q	.1	943
4 TO 5.....	2.3	707	.9	662	.8	748	.1	1032	.2	970
6 OR MORE.....	2.3	937	1.0	968	.8	1010	Q	Q	.1	932
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED										
ALL.....	3.3	838	1.5	823	1.4	853	Q	Q	.1	1023
SOME.....	.8	787	.4	781	.2	718	Q	Q	.1	901
NONE.....	1.1	600	.4	556	.2	683	Q	Q	.2	929
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 1000.....	1.8	591	0.8	566	0.6	587	Q	Q	0.2	857
1,000 TO 1,999.....	2.4	823	1.0	824	.8	859	Q	Q	.2	1006
2,000 OR MORE.....	1.0	1018	.4	1092	.4	1033	Q	Q	Q	Q
YEAR HOUSE BUILT										
1939 OR EARLIER.....	.9	660	.5	650	.1	792	Q	Q	.1	935
1940 TO 1959.....	1.3	795	.9	811	.2	750	Q	Q	.1	916
1960 OR LATER.....	2.9	812	.8	805	1.6	824	Q	Q	.2	984
OWN/RENT										
OWN.....	3.8	854	1.6	861	1.3	904	0.1	967	.3	944
RENT.....	1.4	585	.6	551	.6	612	Q	Q	Q	Q
1979 FAMILY INCOME										
LESS THAN \$10,000.....	2.2	640	.9	645	.7	637	Q	Q	.2	953
\$10,000 TO \$19,999.....	1.4	761	.6	729	.4	795	Q	Q	.2	948
\$20,000 TO \$34,999.....	1.1	973	.5	946	.4	1014	Q	Q	.1	975
\$35,000 OR MORE.....	.4	1086	.1	1178	.2	1060	Q	Q	Q	Q
TOTAL POOR (100 PERCENT LEVEL)..	1.1	636	.4	667	.3	588	Q	Q	.1	1013
TOTAL POOR (125 PERCENT LEVEL)..	1.4	638	.5	646	.5	604	Q	Q	.1	1015
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS.....	1.6	754	.7	720	.4	866	Q	Q	.1	879
35 TO 59 YEARS.....	2.0	887	.8	879	.8	916	Q	Q	.2	1054
60 YEARS AND OVER.....	1.6	673	.7	715	.6	626	Q	Q	.1	893

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Expenditures

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

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:								
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID 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)	
HOUSEHOLD MEMBERS											
1.....	1.0	533	0.5	529	0.3	527	Q	Q	0.1	887	
2.....	1.7	742	.8	762	.6	744	Q	Q	.1	849	
3 OR MORE.....	2.4	910	.9	923	.9	970	Q	Q	.2	1054	
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.....	1.2	730	.6	675	.5	835	Q	Q	Q	Q	
<2,000 CDD AND <4,000 HDD.....	3.1	780	1.1	800	1.1	809	Q	Q	.3	906	
>2,000 CDD AND <4,000 HDD.....	.9	853	.5	821	.2	802	Q	Q	.1	1123	

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Expenditures

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

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
	NUMBER OF HOUSEHOLDS (MIL-LIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID PETROLEUM GAS AS MAIN HEATING FUEL	
			NUMBER OF HOUSEHOLDS (MIL-LIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MIL-LIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MIL-LIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MIL-LIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)
TOTAL HOUSEHOLDS.....	7.7	823	5.6	825	1.6	787	Q	Q	0.5	957
AREA TYPE										
URBAN.....	5.7	803	4.5	822	1.2	720	Q	Q	Q	Q
RURAL.....	2.0	878	1.1	839	.4	1013	Q	Q	.4	933
SMSA STATUS										
SMSA.....	5.2	798	4.0	819	1.2	715	Q	Q	.1	1090
NON-SMSA.....	2.5	875	1.6	840	.4	1017	Q	Q	.4	937
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD.....	6.9	856	5.2	847	1.2	870	Q	Q	.5	957
SOME, NONE, OTHER PAID BY HOUSEHOLD.....	.9	557	.4	574	.4	540	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE										
SINGLE FAMILY OR MOBILE HOME..	6.5	880	5.1	853	.8	1041	Q	Q	.5	957
2 OR MORE UNITS.....	1.2	524	.5	534	.8	517	Q	Q	Q	Q
NUMBER OF ROOMS										
1 TO 3	1.0	554	.4	556	.4	498	Q	Q	.1	717
4 TO 5.....	4.0	749	3.0	717	.7	779	Q	Q	.3	1032
6 OR MORE.....	2.8	1022	2.2	1020	.4	1099	Q	Q	.1	1027
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED										
ALL.....	5.2	904	3.5	933	1.4	808	Q	Q	.3	989
SOME.....	1.2	756	1.0	766	.1	779	Q	Q	.1	773
NONE.....	1.4	586	1.2	557	.1	453	Q	Q	.1	974
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 1000.....	3.0	632	2.0	614	0.7	552	Q	Q	0.3	984
1,000 TO 1,999.....	3.7	871	2.9	867	.6	895	Q	Q	.2	947
2,000 OR MORE.....	1.0	1208	.8	1194	.2	1307	Q	Q	Q	Q
YEAR HOUSE BUILT										
1939 OR EARLIER.....	1.1	720	.9	705	Q	Q	Q	Q	.1	1025
1940 TO 1959.....	2.4	829	2.1	815	.2	1018	Q	Q	.1	881
1960 OR LATER.....	4.2	845	2.6	877	1.4	764	Q	Q	.3	982
OWN/RENT										
OWN.....	5.4	911	4.2	892	.7	1022	Q	Q	.4	951
RENT.....	2.4	627	1.4	627	.8	593	Q	Q	.1	986
1979 FAMILY INCOME										
LESS THAN \$10,000.....	2.5	631	1.8	626	.4	536	Q	Q	.2	909
\$10,000 TO \$19,999.....	2.3	766	1.6	781	.5	715	Q	Q	.1	809
\$20,000 TO \$34,999.....	2.0	952	1.4	938	.5	953	Q	Q	.1	1129
\$35,000 OR MORE.....	1.0	1169	.8	1165	.1	1209	Q	Q	Q	Q
TOTAL POOR (100 PERCENT LEVEL)..	1.3	646	.9	593	.2	692	Q	Q	.1	1038
TOTAL POOR (125 PERCENT LEVEL)..	1.6	644	1.2	606	.3	677	Q	Q	.1	1002
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS.....	2.9	738	1.7	744	1.0	690	Q	Q	.2	918
35 TO 59 YEARS.....	2.9	943	2.4	951	.4	907	Q	Q	.1	1048
60 YEARS AND OVER.....	2.0	774	1.6	725	.2	1017	Q	Q	.2	962

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Expenditures

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

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID 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)
HOUSEHOLD MEMBERS										
1.....	1.5	624	0.9	586	0.5	694	Q	Q	Q	Q
2.....	2.5	788	1.9	835	.4	628	Q	Q	0.1	674
3 OR MORE.....	3.8	922	2.8	896	.7	952	Q	Q	.3	1108
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.....	1.8	723	1.4	729	.3	670	Q	Q	.1	896
>2,000 CDD AND <4,000 HDD.....	6.0	853	4.3	856	1.3	811	Q	Q	.4	970

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Expenditures

Table 3. (Continued)
Census Region: West

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID 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)
TOTAL HOUSEHOLDS.....	16.0	604	11.1	613	2.9	474	0.5	892	0.4	872
AREA TYPE										
URBAN.....	13.0	581	10.1	602	2.1	444	.4	823	.1	647
RURAL.....	3.0	702	1.0	720	.8	557	.1	1073	.3	916
SMSA STATUS										
SMSA.....	12.6	591	9.6	606	2.1	486	.3	829	.1	681
NON-SMSA.....	3.4	650	1.5	657	.8	445	.2	1024	.3	922
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD.....	13.7	630	9.5	638	2.3	505	.5	897	.3	900
SOME, NONE, OTHER PAID BY HOUSEHOLD.....	2.3	449	1.6	462	.5	336	Q	Q	.1	791
TYPE OF HOUSING STRUCTURE										
SINGLE FAMILY OR MOBILE HOME..	11.9	677	8.3	685	1.7	567	.5	897	.3	867
2 OR MORE UNITS.....	4.1	390	2.8	402	1.2	337	Q	Q	Q	Q
NUMBER OF ROOMS										
1 TO 3.....	2.6	354	1.5	347	.9	306	Q	Q	.1	635
4 TO 5.....	7.1	552	4.9	541	1.3	502	.2	719	.2	880
6 OR MORE.....	6.2	768	4.8	769	.6	659	.3	1018	.1	1222
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED										
ALL.....	4.0	700	2.8	716	.9	607	Q	Q	.1	915
SOME.....	1.8	574	1.3	564	.3	478	.1	906	Q	Q
NONE.....	10.2	571	7.0	581	1.6	398	.4	884	.2	843
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 1000.....	6.4	454	3.9	435	1.6	371	0.1	645	0.2	734
1,000 TO 1,999.....	6.6	649	5.0	649	1.0	595	.2	924	.1	1098
2,000 OR MORE.....	2.9	829	2.2	844	.3	636	.2	999	Q	Q
YEAR HOUSE BUILT										
1939 OR EARLIER.....	2.8	561	2.0	534	.2	438	.2	903	.1	772
1940 TO 1959.....	4.5	588	3.7	591	.4	439	.2	758	Q	Q
1960 OR LATER.....	8.7	625	5.5	658	2.3	483	.1	1230	.3	889
OWN/RENT										
OWN.....	10.1	694	7.3	698	1.3	606	.4	920	.3	898
RENT.....	5.9	449	3.8	449	1.5	358	.1	805	.1	792
1979 FAMILY INCOME										
LESS THAN \$10,000.....	4.4	491	3.1	502	.8	390	.1	748	.1	748
\$10,000 TO \$19,999.....	4.8	568	3.2	579	1.0	457	.1	869	.1	814
\$20,000 TO \$34,999.....	4.5	665	3.0	656	.8	560	.2	887	.1	1000
\$35,000 OR MORE.....	2.3	774	1.8	791	.3	550	.1	1077	Q	Q
TOTAL POOR (100 PERCENT LEVEL)..	1.8	494	1.2	527	.4	373	Q	Q	Q	Q
TOTAL POOR (125 PERCENT LEVEL)..	2.4	484	1.6	508	.5	389	Q	Q	Q	Q
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS.....	5.8	534	3.8	546	1.5	451	.1	867	.1	803
35 TO 59 YEARS.....	6.3	689	4.7	687	.7	564	.2	898	.2	932
60 YEARS AND OVER.....	3.9	571	2.7	579	.7	437	.1	901	.1	805

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Expenditures

Table 3. (Continued)
Census Region: West

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:								
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID 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)	
HOUSEHOLD MEMBERS											
1.....	3.4	416	2.2	417	0.9	352	0.1	774	0.1	708	
2.....	5.4	561	3.8	555	.9	451	.2	911	.1	925	
3 OR MORE.....	7.2	726	5.1	739	1.0	604	.2	923	.1	991	
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE											
<2,000 CDD AND >7,000 HDD.....	1.4	706	1.1	690	.1	527	Q	Q	.1	879	
<2,000 CDD AND 5,500 TO 7,000 HDD.....	1.4	650	.7	676	.3	479	.1	908	.1	795	
<2,000 CDD AND 4,000 TO 5,499 HDD.....	3.0	578	1.1	734	1.3	391	.3	827	Q	Q	
<2,000 CDD AND <4,000 HDD.....	9.0	562	7.8	572	.8	422	Q	Q	.1	996	
>2,000 CDD AND <4,000 HDD.....	1.1	829	.4	740	.4	836	Q	Q	Q	Q	

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Expenditures

Table 3. (Continued)
Census Division: Mountain

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID 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)
TOTAL HOUSEHOLDS.....	4.1	706	2.9	696	0.7	701	0.1	947	0.3	822
AREA TYPE										
URBAN.....	2.9	698	2.3	698	.5	693	Q	Q	.1	647
RURAL.....	1.2	728	.5	685	.2	717	Q	Q	.2	864
SMSA STATUS										
SMSA.....	2.6	713	2.0	707	.5	742	Q	Q	.1	684
NON-SMSA.....	1.5	694	.9	673	.1	548	.1	947	.2	859
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD.....	3.5	731	2.5	728	.6	720	.1	976	.2	836
SOME, NONE, OTHER PAID BY HOUSEHOLD.....	.6	547	.4	497	.1	502	Q	Q	.1	791
TYPE OF HOUSING STRUCTURE										
SINGLE FAMILY OR MOBILE HOME..	3.4	744	2.4	736	.5	767	.1	994	.3	812
2 OR MORE UNITS.....	.7	532	.5	505	.2	553	Q	Q	Q	Q
NUMBER OF ROOMS										
1 TO 3.....	.5	481	.3	426	.1	418	Q	Q	.1	640
4 TO 5.....	2.1	678	1.4	652	.4	702	Q	Q	.2	880
6 OR MORE.....	1.4	830	1.1	828	.2	854	Q	Q	Q	Q
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED										
ALL.....	1.4	758	.8	763	.5	745	Q	Q	.1	726
SOME.....	.4	627	.3	642	.1	468	Q	Q	Q	Q
NONE.....	2.3	687	1.8	674	.1	655	Q	Q	.2	865
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 1,000.....	1.7	570	1.1	544	0.3	536	Q	Q	0.2	744
1,000 TO 1,999.....	1.7	760	1.1	747	.3	813	Q	Q	.1	978
2,000 OR MORE.....	.8	882	.6	881	.1	883	Q	Q	Q	Q
YEAR HOUSE BUILT										
1939 OR EARLIER.....	.7	650	.5	642	Q	Q	Q	Q	Q	Q
1940 TO 1959.....	1.1	711	1.0	699	Q	Q	Q	Q	Q	Q
1960 OR LATER.....	2.3	720	1.3	716	.6	702	Q	Q	.2	810
OWN/RENT										
OWN.....	2.9	758	2.1	744	.4	782	0.1	977	.2	824
RENT.....	1.2	577	.8	570	.2	549	Q	Q	.1	816
1979 FAMILY INCOME										
LESS THAN \$10,000.....	1.1	616	.8	605	.2	566	Q	Q	.1	770
\$10,000 TO \$19,999.....	1.5	664	1.1	661	.2	658	Q	Q	.1	816
\$20,000 TO \$34,999.....	1.1	787	.7	777	.2	808	Q	Q	.1	859
\$35,000 OR MORE.....	.3	929	.2	950	.1	824	Q	Q	Q	Q
TOTAL POOR (100 PERCENT LEVEL)..	.5	659	.4	645	.1	753	Q	Q	Q	Q
TOTAL POOR (125 PERCENT LEVEL)..	.6	653	.5	642	.1	706	Q	Q	Q	Q
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS.....	1.6	651	1.0	623	.4	720	Q	Q	.1	803
35 TO 59 YEARS.....	1.5	807	1.1	796	.1	791	Q	Q	.1	815
60 YEARS AND OVER.....	.9	639	.7	638	.1	513	Q	Q	.1	864

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Expenditures

Table 3. (Continued)
Census Division: Mountain

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:								
	NUMBER OF HOUSEHOLDS (MIL-LIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID PETROLEUM GAS AS MAIN HEATING FUEL		
			NUMBER OF HOUSEHOLDS (MIL-LIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MIL-LIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MIL-LIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NUMBER OF HOUSEHOLDS (MIL-LIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	
HOUSEHOLD MEMBERS											
1.....	1.0	548	0.6	524	0.2	518	Q	Q	0.1	731	
2.....	1.4	683	1.0	656	.2	717	Q	Q	.1	926	
3 OR MORE.....	1.8	808	1.3	808	.3	822	Q	Q	.1	843	
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE											
<2,000 CDD AND >7,000 HDD.....	1.3	710	1.0	695	.1	641	Q	Q	.1	879	
<2,000 CDD AND 5,500 TO 7,000 HDD.....	1.2	673	.7	678	.1	487	0.1	926	.1	795	
<2,000 CDD AND 4,000 TO 5,499 HDD.....	.3	789	.3	772	Q	Q	Q	Q	Q	Q	
<2,000 CDD AND <4,000 HDD.....	.6	596	.4	622	.1	507	Q	Q	Q	Q	
>2,000 CDD AND <4,000 HDD.....	.7	799	.4	747	.3	856	Q	Q	Q	Q	

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Expenditures

Table 3. (Continued)
Census Division: Pacific

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID 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)
TOTAL HOUSEHOLDS.....	11.8	568	8.3	585	2.2	405	0.4	881	0.1	1118
AREA TYPE										
URBAN.....	10.0	547	7.8	573	1.6	374	.3	817	Q	Q
RURAL.....	1.8	685	.5	757	.6	496	.1	1079	.1	1118
SMSA STATUS										
SMSA.....	10.0	560	7.7	581	1.5	398	.3	829	Q	Q
NON-SMSA.....	1.9	615	.6	634	.6	422	.1	1106	Q	Q
UTILITIES PAID BY HOUSEHOLD										
ALL PAID BY HOUSEHOLD.....	10.1	594	7.1	607	1.7	429	.4	882	.1	1118
SOME, NONE ,OTHER PAID BY HOUSEHOLD.....	1.7	418	1.2	450	.5	314	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE										
SINGLE FAMILY OR MOBILE HOME..	8.5	650	6.0	664	1.2	493	.4	879	.1	1118
2 OR MORE UNITS.....	3.3	358	2.3	380	.9	289	Q	Q	Q	Q
NUMBER OF ROOMS										
1 TO 3.....	2.1	322	1.2	326	.8	293	Q	Q	Q	Q
4 TO 5.....	4.9	498	3.4	496	.9	420	.2	690	Q	Q
6 OR MORE.....	4.8	749	3.7	751	.4	579	.2	1011	Q	Q
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED										
ALL.....	2.6	668	2.0	697	.4	461	Q	Q	Q	Q
SOME.....	1.4	559	1.0	544	.3	481	Q	Q	Q	Q
NONE.....	7.9	537	5.3	549	1.5	375	.4	881	Q	Q
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)										
LESS THAN 1000.....	4.7	414	2.8	390	1.3	335	0.1	613	Q	Q
1,000 TO 1,999.....	5.0	612	3.9	622	.6	485	.2	919	Q	Q
2,000 OR MORE.....	2.1	810	1.6	830	.2	576	.1	978	Q	Q
YEAR HOUSE BUILT										
1939 OR EARLIER.....	2.1	533	1.5	493	.2	434	.1	921	Q	Q
1940 TO 1959.....	3.4	548	2.7	552	.3	393	.2	721	Q	Q
1960 OR LATER.....	6.4	591	4.1	638	1.7	405	.1	1201	Q	Q
OWN/RENT										
OWN.....	7.2	667	5.3	680	.9	522	.3	906	0.1	1187
RENT.....	4.7	417	3.0	416	1.3	323	.1	814	Q	Q
1979 FAMILY INCOME										
LESS THAN \$10,000.....	3.2	448	2.2	463	.7	351	Q	Q	Q	Q
\$10,000 TO \$19,999.....	3.3	525	2.2	537	.7	389	.1	829	Q	Q
\$20,000 TO \$34,999.....	3.4	624	2.3	619	.5	459	.2	905	Q	Q
\$35,000 OR MORE.....	1.9	747	1.6	769	.2	486	.1	1017	Q	Q
TOTAL POOR (100 PERCENT LEVEL)..	1.3	429	.8	464	.3	315	Q	Q	Q	Q
TOTAL POOR (125 PERCENT LEVEL)..	1.8	430	1.1	452	.5	347	Q	Q	Q	Q
AGE OF HOUSEHOLD HEAD										
UNDER 35 YEARS.....	4.2	489	2.8	518	1.1	344	.1	890	Q	Q
35 TO 59 YEARS.....	4.7	651	3.5	652	.5	507	.2	860	Q	Q
60 YEARS AND OVER.....	2.9	549	2.0	557	.6	423	.1	911	Q	Q

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Expenditures

Table 3. (Continued)
Census Division: Pacific

HOUSEHOLD CHARACTERISTICS	ALL HOUSEHOLDS		HOUSEHOLDS USING:							
	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	NATURAL GAS AS MAIN HEATING FUEL		ELECTRICITY AS MAIN HEATING FUEL		FUEL OIL OR KEROSENE AS MAIN HEATING FUEL		LIQUID 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)
HOUSEHOLD MEMBERS										
1.....	2.5	365	1.6	378	0.7	304	0.1	753	Q	Q
2.....	4.0	520	2.8	519	.7	386	.2	906	Q	Q
3 OR MORE.....	5.4	699	3.9	716	.7	521	.2	912	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE										
<2,000 CDD AND >7,000 HDD.....	.1	667	.1	615	Q	Q	Q	Q	Q	Q
<2,000 CDD AND 5,500 TO 7,000 HDD.....	.2	540	Q	Q	.1	473	Q	Q	Q	Q
<2,000 CDD AND 4,000 TO 5,499 HDD.....	2.7	551	.8	719	1.3	391	.3	827	Q	Q
<2,000 CDD AND <4,000 HDD.....	8.4	559	7.3	569	.7	409	Q	Q	Q	Q
>2,000 CDD AND <4,000 HDD.....	.4	891	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 5.6 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 1980 RESIDENTIAL ENERGY CONSUMPTION SURVEY.



Average Residential Natural Gas Consumption and Expenditures

Table 4. U.S. Average Residential Natural Gas Consumption and Expenditures—April 1980 Through March 1981, United States

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.....	51.6	94	96	374	3.90	44.6	105	107	409
AREA TYPE									
URBAN.....	44.6	92	94	371	3.96	37.9	104	106	410
RURAL.....	7.1	105	108	389	3.62	6.7	108	111	399
SMSA STATUS									
SMSA.....	40.5	91	93	369	3.97	34.1	104	106	410
NON-SMSA.....	11.2	103	106	390	3.69	10.5	108	110	404
NATURAL GAS PAID BY HOUSEHOLD									
YES.....	42.3	101	103	396	3.84	37.9	109	112	422
NO.....	9.3	61	62	272	4.36	6.7	79	81	331
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	36.3	106	108	405	3.75	33.4	112	114	425
2 OR MORE UNITS.....	15.3	65	67	299	4.48	11.2	84	85	361
NUMBER OF ROOMS									
1 TO 3.....	7.0	52	53	233	4.39	4.9	68	70	285
4 TO 5.....	22.1	83	85	331	3.89	19.5	92	94	356
6 OR MORE.....	22.6	117	119	458	3.85	20.2	126	129	490
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	18.5	91	93	350	3.77	16.6	98	100	373
SOME.....	11.5	97	99	406	4.09	9.4	114	116	461
NONE.....	21.6	94	96	377	3.91	18.5	106	108	414
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	18.4	65	66	272	4.10	14.7	77	78	307
1,000 TO 1,999.....	21.5	98	100	387	3.86	19.4	106	108	412
2,000 OR MORE.....	11.8	131	133	508	3.81	10.5	142	145	544
YEAR HOUSE BUILT									
1939 OR EARLIER.....	16.7	100	102	413	4.03	13.3	120	122	476
1940 TO 1959.....	15.5	93	95	361	3.79	13.7	102	104	388
1960 OR LATER.....	19.5	88	90	350	3.88	17.6	95	97	374
OWN/RENT									
OWN.....	33.0	106	108	413	3.82	29.9	114	116	438
RENT.....	18.6	72	73	303	4.13	14.7	86	88	349
1979 FAMILY INCOME									
LESS THAN \$10,000.....	15.6	82	83	331	3.97	12.8	95	97	371
\$10,000 TO \$19,999.....	16.0	87	89	350	3.95	13.5	98	100	387
\$20,000 TO \$34,999.....	14.0	105	108	415	3.85	12.7	113	116	440
\$35,000 OR MORE.....	6.1	116	118	451	3.81	5.6	124	126	476
TOTAL POOR (100 PERCENT LEVEL)..	7.0	90	92	367	3.99	5.9	103	105	410
TOTAL POOR (125 PERCENT LEVEL)..	9.5	87	89	353	3.99	7.8	101	104	400
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	16.5	85	87	337	3.88	14.4	94	96	365
35 TO 59 YEARS.....	21.1	105	107	418	3.92	18.5	116	118	455
60 YEARS AND OVER.....	14.0	88	90	350	3.91	11.7	101	103	390
HOUSEHOLD MEMBERS									
1.....	10.3	66	67	272	4.04	8.2	79	80	311
2.....	16.7	87	89	347	3.88	14.4	98	100	380
3 OR MORE.....	24.6	110	112	435	3.88	21.9	119	121	464
MAIN HEATING FUEL									
NATURAL GAS.....	44.6	105	107	409	3.82	44.6	105	107	409
ELECTRICITY.....	1.7	30	30	130	4.30	-	-	-	-
FUEL OIL.....	4.8	18	19	153	8.10	-	-	-	-
OTHER.....	.6	47	48	202	4.26	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Average Residential 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 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)
HOT WATER FUEL									
NATURAL GAS.....	44.1	102	104	397	3.82	40.9	107	109	414
ELECTRICITY.....	3.9	75	76	323	4.24	3.6	80	82	347
FUEL OIL.....	3.4	12	13	131	10.42	.1	44	45	295
OTHER.....	.1	72	73	303	4.13	.1	97	99	369
OWNERSHIP OF NATURAL GAS UTILITY									
PRIVATELY OWNED.....	31.4	102	104	408	3.92	27.8	111	113	437
UNKNOWN.....	20.2	81	83	321	3.87	16.8	94	96	362
MAIN HEATING EQUIPMENT USING NATURAL GAS									
CENTRAL WARM AIR FURNACE.....	28.1	112	114	425	3.72	28.1	112	114	425
STEAM OR HOT-WATER SYSTEM.....	5.8	122	124	550	4.44	5.8	122	124	550
FLOOR, WALL OR PIPELESS FURNACE.....	6.0	73	75	261	3.49	6.0	73	75	261
ROOM HEATER.....	4.0	83	85	328	3.85	4.0	83	85	328
NONE/OTHER.....	7.7	28	28	164	5.83	.6	72	73	297
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD.....	4.4	118	121	451	3.73	4.3	122	125	464
<2,000 CDD AND 5,500 TO 7,000 HDD.....	15.0	123	125	474	3.79	13.5	134	136	509
<2,000 CDD AND 4,000 TO 5,499 HDD.....	12.8	86	88	399	4.53	9.0	114	117	502
<2,000 CDD AND <4,000 HDD.....	13.1	72	74	258	3.50	12.1	75	76	266
>2,000 CDD AND <4,000 HDD.....	6.4	68	70	271	3.89	5.7	73	74	287

SEE FOOTNOTES AT END OF TABLE.



Average Residential 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 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.....	10.9	83	85	436	5.14	6.6	125	128	618
AREA TYPE									
URBAN.....	9.9	79	81	427	5.30	5.7	124	127	628
RURAL.....	1.0	125	128	525	4.10	.9	134	137	555
SMSA STATUS									
SMSA.....	9.5	77	79	426	5.42	5.4	122	125	632
NON-SMSA.....	1.4	124	126	498	3.94	1.2	141	144	554
NATURAL GAS PAID BY HOUSEHOLD									
YES.....	7.9	95	97	486	4.98	5.1	135	138	657
NO.....	3.0	51	52	306	5.88	1.5	92	94	485
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	5.4	110	112	527	4.70	4.0	139	142	648
2 OR MORE UNITS.....	5.5	57	58	346	5.97	2.6	105	107	571
NUMBER OF ROOMS									
1 TO 3.....	2.2	40	41	257	6.25	.9	81	83	440
4 TO 5.....	3.9	73	75	382	5.12	2.4	111	113	534
6 OR MORE.....	4.8	111	114	563	4.96	3.3	148	151	728
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	1.9	88	90	467	5.18	1.3	123	125	620
SOME.....	3.7	79	81	439	5.42	2.2	122	124	632
NONE.....	5.3	84	86	422	4.93	3.1	129	132	607
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	4.5	50	51	298	5.81	2.1	92	93	475
1,000 TO 1,999.....	3.9	95	97	478	4.95	2.7	128	131	622
2,000 OR MORE.....	2.5	124	127	616	4.87	1.8	161	164	779
YEAR HOUSE BUILT									
1939 OR EARLIER.....	5.8	79	81	411	5.10	3.2	127	129	609
1940 TO 1959.....	2.4	76	77	405	5.23	1.3	125	128	618
1960 OR LATER.....	2.7	98	100	517	5.15	2.1	124	126	632
OWN/RENT									
OWN.....	6.0	103	106	519	4.91	4.1	140	143	678
RENT.....	4.9	58	60	334	5.62	2.5	101	103	520
1979 FAMILY INCOME									
LESS THAN \$10,000.....	3.4	63	65	344	5.31	1.6	118	121	568
\$10,000 TO \$19,999.....	3.7	76	78	408	5.24	2.3	114	116	572
\$20,000 TO \$34,999.....	2.9	102	104	514	4.93	2.1	132	135	640
\$35,000 OR MORE.....	.9	123	126	644	5.12	.6	163	167	827
TOTAL POOR (100 PERCENT LEVEL)..	1.2	76	78	423	5.43	.7	130	132	667
TOTAL POOR (125 PERCENT LEVEL)..	1.9	69	71	381	5.40	.9	129	132	643
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	3.1	79	81	417	5.17	2.0	110	112	544
35 TO 59 YEARS.....	4.7	93	95	490	5.14	2.9	138	141	691
60 YEARS AND OVER.....	3.1	71	73	372	5.11	1.7	122	125	579
HOUSEHOLD MEMBERS									
1.....	2.5	51	52	279	5.41	1.3	90	92	437
2.....	3.4	72	73	377	5.16	2.0	114	116	553
3 OR MORE.....	5.0	107	110	555	5.06	3.4	146	149	724
MAIN HEATING FUEL									
NATURAL GAS.....	6.6	125	128	618	4.83	6.6	125	128	618
ELECTRICITY.....	q	q	q	q	q	-	-	-	-
FUEL OIL.....	4.1	17	17	151	8.85	-	-	-	-
OTHER.....	.1	34	35	225	6.44	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Average Residential 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 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)
HOT WATER FUEL									
NATURAL GAS.....	7.2	115	118	575	4.89	6.2	128	131	633
ELECTRICITY.....	.4	83	84	393	4.66	.3	95	97	442
FUEL OIL.....	3.3	13	13	135	10.38	.1	44	45	295
OTHER.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
OWNERSHIP OF NATURAL GAS UTILITY									
PRIVATELY OWNED.....	6.9	97	99	507	5.11	4.6	136	139	682
UNKNOWN.....	4.0	59	60	313	5.23	2.1	101	104	478
MAIN HEATING EQUIPMENT USING NATURAL GAS									
CENTRAL WARM AIR FURNACE.....	3.6	131	133	597	4.48	3.6	131	133	597
STEAM OR HOT-WATER SYSTEM.....	2.5	123	126	672	5.34	2.5	123	126	672
FLOOR, WALL OR PIPELESS FURNACE.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
ROOM HEATER.....	.4	105	107	491	4.57	.4	105	107	491
NONE/OTHER.....	4.3	18	19	159	8.51	.1	78	80	510
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD.....	.1	83	85	473	5.60	.1	128	130	704
<2,000 CDD AND 5,500 TO 7,000 HDD.....	4.7	103	105	481	4.58	3.6	127	130	573
<2,000 CDD AND 4,000 TO 5,499 HDD.....	6.1	68	69	400	5.78	2.9	123	126	671
<2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Average Residential 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 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.....	1.9	75	76	455	5.96	1.1	113	115	654
AREA TYPE									
URBAN.....	1.7	74	76	449	5.94	1.0	113	115	650
RURAL.....	.1	85	86	529	6.13	.1	114	117	695
SMSA STATUS									
SMSA.....	1.7	76	78	461	5.95	1.0	114	116	659
NON-SMSA.....	.2	61	63	380	6.05	.1	101	103	585
NATURAL GAS PAID BY HOUSEHOLD									
YES.....	1.5	80	82	482	5.89	.9	115	118	666
NO.....	.4	52	53	337	6.37	.2	99	101	582
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	.5	89	91	536	5.89	.3	138	141	799
2 OR MORE UNITS.....	1.3	69	70	422	5.99	.8	103	105	598
NUMBER OF ROOMS									
1 TO 3.....	.3	59	60	371	6.19	.2	76	78	463
4 TO 5.....	.9	71	73	437	6.01	.6	106	109	617
6 OR MORE.....	.7	86	88	512	5.83	.4	141	144	806
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	.3	52	53	359	6.74	.1	110	112	683
SOME.....	.5	83	85	486	5.73	.4	110	113	627
NONE.....	1.0	77	79	468	5.92	.6	115	117	664
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	.7	64	65	402	6.15	.4	98	100	580
1,000 TO 1,999.....	.8	76	77	449	5.82	.5	108	111	616
2,000 OR MORE.....	.4	95	97	571	5.90	.2	153	157	895
YEAR HOUSE BUILT									
1939 OR EARLIER.....	1.3	73	74	438	5.89	0.8	112	114	638
1940 TO 1959.....	.2	72	73	436	5.93	.1	115	117	660
1960 OR LATER.....	.3	85	87	541	6.21	.2	115	117	702
OWN/RENT									
OWN.....	.9	75	77	459	5.96	.5	124	127	716
RENT.....	.9	74	76	450	5.96	.6	104	106	603
1979 FAMILY INCOME									
LESS THAN \$10,000.....	.6	60	61	378	6.20	.3	110	112	636
\$10,000 TO \$19,999.....	.6	74	75	446	5.91	.4	106	108	612
\$20,000 TO \$34,999.....	.5	78	79	469	5.92	.3	108	111	632
\$35,000 OR MORE.....	.2	117	120	686	5.73	.1	146	149	840
TOTAL POOR (100 PERCENT LEVEL)..	.2	77	79	479	6.06	.1	118	121	694
TOTAL POOR (125 PERCENT LEVEL)..	.4	70	72	434	6.05	.2	114	116	661
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	.6	71	72	433	5.99	.4	100	102	578
35 TO 59 YEARS.....	.7	80	82	489	5.96	.4	118	120	694
60 YEARS AND OVER.....	.5	71	73	431	5.91	.3	122	124	688
HOUSEHOLD MEMBERS									
1.....	.4	54	55	341	6.18	.2	74	76	449
2.....	.6	74	76	451	5.97	.3	118	120	678
3 OR MORE.....	.9	83	85	500	5.89	.5	127	130	729
MAIN HEATING FUEL									
NATURAL GAS.....	1.1	113	115	654	5.67	1.1	113	115	654
ELECTRICITY.....	Q	Q	Q	Q	Q	-	-	-	-
FUEL OIL.....	.7	19	20	164	8.38	-	-	-	-
OTHER.....	Q	Q	Q	Q	Q	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Average Residential 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 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)
HOT WATER FUEL									
NATURAL GAS.....	1.4	90	92	533	5.82	1.0	114	116	658
ELECTRICITY.....	.1	80	82	493	6.03	Q	Q	Q	Q
FUEL OIL.....	.4	15	15	138	9.25	Q	Q	Q	Q
OTHER.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
OWNERSHIP OF NATURAL GAS UTILITY									
PRIVATELY OWNED.....	1.3	83	85	500	5.90	.8	114	117	670
UNKNOWN.....	.6	57	58	356	6.14	.3	107	110	601
MAIN HEATING EQUIPMENT USING NATURAL GAS									
CENTRAL WARM AIR FURNACE.....	.3	115	117	674	5.74	.3	115	117	674
STEAM OR HOT-WATER SYSTEM.....	.5	128	131	727	5.55	.5	128	131	727
FLOOR, WALL OR PIPELESS FURNACE.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
ROOM HEATER.....	.2	78	80	474	5.95	.2	78	80	474
NONE/OTHER.....	.8	23	23	184	7.88	.1	74	76	465
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD.....	.1	83	85	473	5.60	.1	128	130	704
<2,000 CDD AND 5,500 TO 7,000 HDD.....	1.7	74	76	453	5.99	1.0	112	114	649
<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 Residential 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 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.....	9.0	85	87	432	4.99	5.5	128	131	611
AREA TYPE									
URBAN.....	8.2	80	82	422	5.18	4.7	127	129	623
RURAL.....	.8	132	135	525	3.89	.8	136	139	539
SMSA STATUS									
SMSA.....	7.8	77	79	419	5.31	4.4	124	126	626
NON-SMSA.....	1.3	131	134	513	3.82	1.1	144	147	552
NATURAL GAS PAID BY HOUSEHOLD									
YES.....	6.4	99	101	487	4.81	4.2	140	143	655
NO.....	2.7	51	52	302	5.82	1.3	91	93	473
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	4.9	112	114	526	4.60	3.7	139	142	636
2 OR MORE UNITS.....	4.2	53	54	321	5.96	1.8	105	108	559
NUMBER OF ROOMS									
1 TO 3.....	2.0	38	39	242	6.27	.8	82	84	435
4 TO 5.....	3.0	74	75	364	4.85	1.8	112	115	508
6 OR MORE.....	4.1	115	118	572	4.85	3.0	149	152	718
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	1.6	95	97	488	5.02	1.2	124	127	613
SOME.....	3.2	79	80	432	5.36	1.8	124	127	633
NONE.....	4.3	85	87	411	4.72	2.5	133	135	593
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	3.8	48	49	278	5.73	1.7	90	92	448
1,000 TO 1,999.....	3.1	99	101	485	4.79	2.2	132	135	623
2,000 OR MORE.....	2.2	129	132	624	4.74	1.6	162	165	765
YEAR HOUSE BUILT									
1939 OR EARLIER.....	4.5	81	83	403	4.88	2.5	131	134	600
1940 TO 1959.....	2.2	76	78	402	5.17	1.2	126	129	614
1960 OR LATER.....	2.4	100	102	514	5.03	1.8	125	128	623
OWN/RENT									
OWN.....	5.1	108	111	530	4.78	3.6	143	146	673
RENT.....	4.0	55	56	307	5.51	1.9	101	103	494
1979 FAMILY INCOME									
LESS THAN \$10,000.....	2.8	64	65	337	5.14	1.3	120	122	554
\$10,000 TO \$19,999.....	3.1	77	78	401	5.12	1.9	115	118	564
\$20,000 TO \$34,999.....	2.4	107	110	524	4.78	1.8	136	139	641
\$35,000 OR MORE.....	.7	125	128	633	4.97	.5	168	172	824
TOTAL POOR (100 PERCENT LEVEL)..	1.0	76	78	411	5.29	.5	133	135	661
TOTAL POOR (125 PERCENT LEVEL)..	1.6	69	70	370	5.26	.7	133	136	638
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	2.5	81	83	413	4.99	1.7	112	114	537
35 TO 59 YEARS.....	4.0	96	98	490	5.01	2.5	142	145	690
60 YEARS AND OVER.....	2.6	71	73	361	4.95	1.4	122	125	557
HOUSEHOLD MEMBERS									
1.....	2.2	50	51	269	5.27	1.0	93	95	434
2.....	2.9	71	73	363	4.99	1.6	113	115	527
3 OR MORE.....	4.0	113	115	568	4.92	2.8	149	152	723
MAIN HEATING FUEL									
NATURAL GAS.....	5.5	128	131	611	4.68	5.5	128	131	611
ELECTRICITY.....	0	0	0	0	0	-	-	-	-
FUEL OIL.....	3.4	16	16	148	8.97	-	-	-	-
OTHER.....	.1	36	37	229	6.26	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Average Residential 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 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)
HOT WATER FUEL									
NATURAL GAS.....	5.8	121	124	585	4.73	5.2	131	134	628
ELECTRICITY.....	.3	83	85	370	4.35	.3	90	92	394
FUEL OIL.....	2.9	13	13	135	10.54	.1	38	39	259
OTHER.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
OWNERSHIP OF NATURAL GAS UTILITY									
PRIVATELY OWNED.....	5.6	100	102	508	4.96	3.7	141	144	684
UNKNOWN.....	3.4	59	60	306	5.07	1.8	101	103	460
MAIN HEATING EQUIPMENT USING NATURAL GAS									
CENTRAL WARM AIR FURNACE.....	3.2	132	135	589	4.37	3.2	132	135	589
STEAM OR HOT-WATER SYSTEM.....	2.0	122	124	658	5.28	2.0	122	124	658
FLOOR, WALL OR PIPELESS FURNACE.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
ROOM HEATER.....	.2	127	129	505	3.91	.2	127	129	505
NONE/OTHER.....	3.5	17	18	153	8.70	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.....	3.0	120	122	497	4.07	2.6	133	136	543
<2,000 CDD AND 4,000 TO 5,499 HDD.....	6.1	68	69	400	5.78	2.9	123	126	671
<2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Average Residential 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 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.....	15.5	127	130	461	3.55	15.0	131	133	472
AREA TYPE									
URBAN.....	13.0	128	130	469	3.60	12.6	131	134	481
RURAL.....	2.5	125	127	418	3.28	2.4	127	130	425
SMSA STATUS									
SMSA.....	11.7	130	132	474	3.58	11.3	133	136	487
NON-SMSA.....	3.8	119	122	421	3.45	3.7	122	124	428
NATURAL GAS PAID BY HOUSEHOLD									
YES.....	12.9	136	139	490	3.53	12.6	138	141	497
NO.....	2.6	83	85	318	3.76	2.3	90	91	341
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	11.3	139	142	494	3.48	11.0	141	144	502
2 OR MORE UNITS.....	4.2	95	97	372	3.82	4.0	100	102	389
NUMBER OF ROOMS									
1 TO 3.....	1.6	78	80	295	3.70	1.4	88	90	326
4 TO 5.....	6.8	113	116	418	3.62	6.7	114	117	423
6 OR MORE.....	7.1	152	155	541	3.49	6.9	155	158	550
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	5.8	116	119	410	3.45	5.5	122	124	426
SOME.....	3.9	136	139	488	3.51	3.8	138	141	495
NONE.....	5.9	132	134	494	3.67	5.7	134	137	502
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	4.8	91	93	339	3.63	4.6	96	98	353
1,000 TO 1,999.....	6.1	132	135	480	3.56	6.0	134	136	485
2,000 OR MORE.....	4.6	158	161	564	3.50	4.5	162	165	578
YEAR HOUSE BUILT									
1939 OR EARLIER.....	5.9	137	140	493	3.52	5.7	141	144	506
1940 TO 1959.....	4.4	130	132	461	3.48	4.3	130	133	463
1960 OR LATER.....	5.2	114	116	425	3.67	5.0	119	121	443
OWN/RENT									
OWN.....	10.3	139	142	498	3.50	10.0	142	145	507
RENT.....	5.3	103	105	388	3.70	5.0	107	109	403
1979 FAMILY INCOME									
LESS THAN \$10,000.....	4.5	118	120	434	3.60	4.3	122	124	447
\$10,000 TO \$19,999.....	4.8	116	118	420	3.55	4.5	121	123	436
\$20,000 TO \$34,999.....	4.5	135	138	486	3.51	4.5	137	140	492
\$35,000 OR MORE.....	1.7	162	165	586	3.55	1.6	162	166	588
TOTAL POOR (100 PERCENT LEVEL)..	2.1	132	135	487	3.61	2.0	136	139	499
TOTAL POOR (125 PERCENT LEVEL)..	2.8	128	131	471	3.61	2.7	131	134	482
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	5.1	110	113	409	3.62	4.9	113	115	417
35 TO 59 YEARS.....	6.2	146	149	528	3.53	6.0	149	152	537
60 YEARS AND OVER.....	4.3	119	121	426	3.51	4.1	124	127	443
HOUSEHOLD MEMBERS									
1.....	2.7	97	99	356	3.58	2.5	106	108	382
2.....	5.2	120	122	440	3.60	5.1	122	124	447
3 OR MORE.....	7.6	143	146	513	3.52	7.5	145	148	519
MAIN HEATING FUEL									
NATURAL GAS.....	15.0	131	133	472	3.54	15.0	131	133	472
ELECTRICITY.....	.3	23	23	118	5.10	-	-	-	-
FUEL OIL.....	.1	47	48	207	4.29	-	-	-	-
OTHER.....	.1	44	45	188	4.13	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Average Residential 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 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)
HOT WATER FUEL									
NATURAL GAS.....	14.4	129	132	467	3.53	13.9	133	136	478
ELECTRICITY.....	1.2	98	100	389	3.88	1.1	102	104	402
FUEL OIL.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
OWNERSHIP OF NATURAL GAS UTILITY									
PRIVATELY OWNED.....	10.1	138	141	494	3.51	9.8	141	144	504
UNKNOWN.....	5.4	107	109	400	3.65	5.2	111	114	413
MAIN HEATING EQUIPMENT USING NATURAL GAS									
CENTRAL WARM AIR FURNACE.....	11.2	133	136	482	3.54	11.2	133	136	482
STEAM OR HOT-WATER SYSTEM.....	2.4	128	130	480	3.68	2.4	128	130	480
FLOOR, WALL OR PIPELESS FURNACE.....	.5	108	110	336	3.05	.5	108	110	336
ROOM HEATER.....	.8	114	117	401	3.43	.8	114	117	401
NONE/OTHER.....	.6	44	45	191	4.25	.1	128	130	481
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD.....	3.1	120	122	473	3.87	3.1	122	124	480
<2,000 CDD AND 5,500 TO 7,000 HDD.....	9.6	133	136	481	3.54	9.2	137	140	495
<2,000 CDD AND 4,000 TO 5,499 HDD.....	2.8	115	118	381	3.24	2.8	117	120	388
<2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Average Residential 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 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.....	10.9	132	135	495	3.67	10.4	137	140	511
AREA TYPE									
URBAN.....	9.5	132	135	496	3.67	9.1	137	140	513
RURAL.....	1.4	129	132	485	3.67	1.3	134	137	500
SMSA STATUS									
SMSA.....	9.1	134	137	495	3.62	8.7	139	142	511
NON-SMSA.....	1.9	123	125	496	3.96	1.8	127	130	512
NATURAL GAS PAID BY HOUSEHOLD									
YES.....	9.0	143	146	531	3.65	8.7	145	148	541
NO.....	2.0	84	86	329	3.85	1.7	93	95	361
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	7.6	147	150	540	3.61	7.4	150	153	551
2 OR MORE UNITS.....	3.3	99	101	393	3.89	3.1	106	108	417
NUMBER OF ROOMS									
1 TO 3	1.2	79	81	310	3.82	1.0	94	96	359
4 TO 5.....	4.7	118	120	452	3.77	4.6	119	122	458
6 OR MORE.....	5.0	158	161	579	3.59	4.9	162	165	591
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	3.1	122	124	450	3.62	2.8	132	135	485
SOME.....	2.8	138	141	510	3.62	2.8	140	143	516
NONE.....	5.0	135	138	515	3.73	4.8	138	141	524
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	3.5	93	95	362	3.82	3.2	99	101	383
1,000 TO 1,999.....	4.5	138	141	516	3.65	4.4	140	143	522
2,000 OR MORE.....	3.0	168	171	616	3.60	2.9	173	177	636
YEAR HOUSE BUILT									
1939 OR EARLIER.....	4.2	142	145	530	3.66	4.0	147	150	546
1940 TO 1959.....	3.2	134	137	498	3.63	3.1	135	138	500
1960 OR LATER.....	3.6	118	121	451	3.74	3.3	127	129	479
OWN/RENT									
OWN.....	6.9	146	149	540	3.61	6.7	150	153	552
RENT.....	4.0	107	109	418	3.82	3.8	113	116	439
1979 FAMILY INCOME									
LESS THAN \$10,000.....	3.2	123	126	470	3.73	3.0	130	132	491
\$10,000 TO \$19,999.....	3.4	117	120	449	3.75	3.2	123	126	471
\$20,000 TO \$34,999.....	3.3	144	147	526	3.58	3.3	146	149	533
\$35,000 OR MORE.....	1.1	169	172	621	3.61	1.0	170	174	625
TOTAL POOR (100 PERCENT LEVEL)..	1.7	138	141	522	3.70	1.6	143	146	539
TOTAL POOR (125 PERCENT LEVEL)..	2.2	134	137	507	3.71	2.1	139	142	523
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	3.4	114	117	438	3.76	3.3	118	121	452
35 TO 59 YEARS.....	4.4	153	156	566	3.62	4.3	156	160	576
60 YEARS AND OVER.....	3.0	121	124	455	3.68	2.8	129	131	481
HOUSEHOLD MEMBERS									
1.....	2.0	97	99	374	3.79	1.7	109	111	414
2.....	3.5	125	128	482	3.77	3.4	128	131	493
3 OR MORE.....	5.4	149	152	547	3.59	5.3	151	154	553
MAIN HEATING FUEL									
NATURAL GAS.....	10.4	137	140	511	3.66	10.4	137	140	511
ELECTRICITY.....	.3	21	22	115	5.23	-	-	-	-
FUEL OIL.....	.1	54	55	235	4.27	-	-	-	-
OTHER.....	.1	43	44	193	4.41	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Average Residential 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 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)
HOT WATER FUEL									
NATURAL GAS.....	10.2	134	137	500	3.65	9.7	139	142	516
ELECTRICITY.....	.7	103	105	425	4.05	.7	108	110	444
FUEL OIL.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
OWNERSHIP OF NATURAL GAS UTILITY									
PRIVATELY OWNED.....	7.5	143	146	535	3.67	7.3	146	149	547
UNKNOWN.....	3.4	109	111	407	3.67	3.2	115	118	429
MAIN HEATING EQUIPMENT USING NATURAL GAS									
CENTRAL WARM AIR FURNACE.....	7.7	142	145	528	3.64	7.7	142	145	528
STEAM OR HOT-WATER SYSTEM.....	1.8	129	132	493	3.73	1.8	129	132	493
FLOOR, WALL OR PIPELESS FURNACE.....	.3	101	103	388	3.75	.3	101	103	388
ROOM HEATER.....	.6	111	113	429	3.79	.6	111	113	429
NONE/OTHER.....	.6	43	44	192	4.34	.1	133	136	501
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD.....	1.5	123	126	526	4.19	1.4	126	129	540
<2,000 CDD AND 5,500 TO 7,000 HDD.....	8.4	136	138	499	3.61	8.0	140	143	515
<2,000 CDD AND 4,000 TO 5,499 HDD.....	1.1	117	119	423	3.54	1.0	122	124	440
<2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Average Residential 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.....	4.6	115	118	381	3.23	4.5	116	119	383
AREA TYPE									
URBAN.....	3.5	114	117	396	3.39	3.5	115	118	399
RURAL.....	1.1	119	121	330	2.72	1.1	119	122	332
SMSA STATUS									
SMSA.....	2.7	115	117	403	3.44	2.6	116	118	407
NON-SMSA.....	2.0	116	119	350	2.94	1.9	117	120	351
NATURAL GAS PAID BY HOUSEHOLD									
YES.....	4.0	121	124	396	3.20	3.9	122	125	399
NO.....	.6	80	82	284	3.49	.6	80	82	284
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	3.7	124	126	402	3.18	3.7	125	127	405
2 OR MORE UNITS.....	.9	81	83	292	3.52	.9	81	83	292
NUMBER OF ROOMS									
1 TO 3.....	.4	74	75	251	3.33	.4	74	75	251
4 TO 5.....	2.1	103	106	344	3.26	2.1	104	106	345
6 OR MORE.....	2.1	137	139	446	3.20	2.0	138	141	451
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	2.7	110	112	362	3.23	2.7	110	113	364
SOME.....	1.1	132	135	431	3.19	1.0	134	137	437
NONE.....	.9	112	114	375	3.28	.9	113	116	380
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	1.4	88	90	282	3.14	1.4	88	90	282
1,000 TO 1,999.....	1.6	116	118	382	3.23	1.6	117	119	384
2,000 OR MORE.....	1.6	139	142	466	3.28	1.6	141	144	471
YEAR HOUSE BUILT									
1939 OR EARLIER.....	1.7	125	128	401	3.14	1.7	128	130	408
1940 TO 1959.....	1.2	118	120	366	3.04	1.2	118	121	368
1960 OR LATER.....	1.7	103	106	370	3.50	1.7	103	106	370
OWN/RENT									
OWN.....	3.4	125	128	412	3.23	3.3	127	129	417
RENT.....	1.2	89	91	294	3.23	1.2	89	91	294
1979 FAMILY INCOME									
LESS THAN \$10,000.....	1.4	105	107	348	3.26	1.3	105	107	348
\$10,000 TO \$19,999.....	1.4	113	116	352	3.04	1.4	114	117	356
\$20,000 TO \$34,999.....	1.2	113	116	379	3.28	1.2	115	117	384
\$35,000 OR MORE.....	.6	149	153	524	3.44	.6	149	153	524
TOTAL POOR (100 PERCENT LEVEL)..	.4	109	111	352	3.16	.4	109	111	352
TOTAL POOR (125 PERCENT LEVEL)..	.6	106	108	343	3.18	.6	106	108	343
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	1.6	102	105	346	3.30	1.6	103	105	347
35 TO 59 YEARS.....	1.7	129	131	431	3.28	1.7	131	133	437
60 YEARS AND OVER.....	1.3	114	116	356	3.06	1.2	114	117	357
HOUSEHOLD MEMBERS									
1.....	.8	99	101	310	3.07	.8	99	101	310
2.....	1.7	108	110	350	3.18	1.6	108	111	352
3 OR MORE.....	2.2	127	130	429	3.31	2.1	129	131	434
MAIN HEATING FUEL									
NATURAL GAS.....	4.5	116	119	383	3.23	4.5	116	119	383
ELECTRICITY.....	Q	Q	Q	Q	Q	-	-	-	-
FUEL OIL.....	Q	Q	Q	Q	Q	-	-	-	-
OTHER.....	Q	Q	Q	Q	Q	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Average Residential 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)
HOT WATER FUEL									
NATURAL GAS.....	4.2	118	120	386	3.20	4.1	119	121	388
ELECTRICITY.....	.4	91	93	328	3.54	.4	92	94	332
FUEL OIL.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
OWNERSHIP OF NATURAL GAS UTILITY									
PRIVATELY OWNED.....	2.6	124	126	375	2.97	2.5	125	128	379
UNKNOWN.....	2.0	105	107	388	3.62	2.0	105	108	389
MAIN HEATING EQUIPMENT USING NATURAL GAS									
CENTRAL WARM AIR FURNACE.....	3.5	115	117	384	3.29	3.5	115	117	384
STEAM OR HOT-WATER SYSTEM.....	.6	123	125	442	3.53	.6	123	125	442
FLOOR, WALL OR PIPELESS FURNACE.....	.2	119	122	255	2.09	.2	119	122	255
ROOM HEATER.....	.2	126	129	314	2.44	.2	126	129	314
NONE/OTHER.....	.1	49	50	180	3.60	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	117	119	426	3.58	1.7	118	120	430
<2,000 CDD AND 5,500 TO 7,000 HDD.....	1.2	115	118	354	3.01	1.2	117	119	357
<2,000 CDD AND 4,000 TO 5,499 HDD.....	1.7	114	117	355	3.04	1.7	115	117	356
<2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Average Residential 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.....	13.3	82	84	322	3.84	11.8	88	90	342
AREA TYPE									
URBAN.....	10.8	81	83	317	3.82	9.4	88	90	341
RURAL.....	2.5	86	88	343	3.91	2.4	88	90	350
SMSA STATUS									
SMSA.....	8.9	80	82	310	3.79	7.8	88	89	333
NON-SMSA.....	4.4	86	88	347	3.94	4.0	90	92	360
NATURAL GAS PAID BY HOUSEHOLD									
YES.....	11.5	87	89	338	3.80	10.5	92	93	352
NO.....	1.8	49	51	217	4.30	1.3	62	64	263
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	10.8	89	91	344	3.79	10.0	93	95	357
2 OR MORE UNITS.....	2.5	51	52	223	4.25	1.8	63	64	261
NUMBER OF ROOMS									
1 TO 3	1.3	47	48	204	4.28	1.0	55	56	230
4 TO 5.....	6.3	71	72	280	3.87	5.6	76	78	299
6 OR MORE.....	5.7	102	104	394	3.77	5.2	108	110	411
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	7.7	81	83	317	3.81	7.0	86	88	333
SOME.....	2.5	82	83	336	4.03	2.2	89	91	361
NONE.....	3.1	84	86	322	3.76	2.6	93	95	352
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	4.7	60	61	242	3.96	4.1	66	67	261
1,000 TO 1,999.....	6.3	86	88	340	3.86	5.7	92	94	359
2,000 OR MORE.....	2.3	117	119	437	3.67	2.0	123	126	459
YEAR HOUSE BUILT									
1939 OR EARLIER.....	2.8	88	89	359	4.02	2.3	97	99	392
1940 TO 1959.....	4.9	85	87	330	3.79	4.4	92	93	350
1960 OR LATER.....	5.7	77	78	296	3.79	5.1	81	83	313
OWN/RENT									
OWN.....	9.2	91	93	352	3.80	8.5	95	97	366
RENT.....	4.1	63	64	255	3.96	3.4	71	73	283
1979 FAMILY INCOME									
LESS THAN \$10,000.....	4.4	69	71	282	3.98	3.8	77	78	304
\$10,000 TO \$19,999.....	4.0	77	79	303	3.85	3.5	84	86	326
\$20,000 TO \$34,999.....	3.3	95	97	369	3.80	3.0	99	101	383
\$35,000 OR MORE.....	1.7	102	104	378	3.64	1.5	107	109	393
TOTAL POOR (100 PERCENT LEVEL)..	2.4	73	75	303	4.06	2.0	82	84	332
TOTAL POOR (125 PERCENT LEVEL)..	3.0	73	74	297	3.98	2.5	81	83	323
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	4.2	77	78	295	3.76	3.6	84	86	318
35 TO 59 YEARS.....	5.3	90	91	351	3.84	4.9	95	97	368
60 YEARS AND OVER.....	3.8	77	79	311	3.94	3.3	83	85	331
HOUSEHOLD MEMBERS									
1.....	2.7	60	61	249	4.08	2.3	66	67	269
2.....	4.0	78	80	301	3.77	3.6	85	87	323
3 OR MORE.....	6.6	94	96	365	3.81	5.9	99	101	383
MAIN HEATING FUEL									
NATURAL GAS.....	11.8	88	90	342	3.80	11.8	88	90	342
ELECTRICITY.....	.8	31	32	141	4.39	-	-	-	-
FUEL OIL.....	.5	27	28	161	5.80	-	-	-	-
OTHER.....	.2	44	45	197	4.41	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Average Residential 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)
HOT WATER FUEL									
NATURAL GAS.....	11.3	86	88	334	3.78	10.2	92	94	350
ELECTRICITY.....	1.8	61	62	266	4.26	1.6	66	67	287
FUEL OIL.....	.2	6	6	72	11.83	0	0	0	0
OTHER.....	.1	99	101	401	3.97	.1	111	113	432
OWNERSHIP OF NATURAL GAS UTILITY									
PRIVATELY OWNED.....	6.2	86	88	349	3.98	5.7	90	92	363
UNKNOWN.....	7.1	79	80	297	3.71	6.2	86	88	323
MAIN HEATING EQUIPMENT USING NATURAL GAS									
CENTRAL WARM AIR FURNACE.....	7.0	94	96	356	3.73	7.0	94	96	356
STEAM OR HOT-WATER SYSTEM.....	.5	99	101	454	4.49	.5	99	101	454
FLOOR, WALL OR PIPELESS FURNACE.....	1.9	84	86	315	3.67	1.9	84	86	315
ROOM HEATER.....	2.2	75	77	306	3.99	2.2	75	77	306
NONE/OTHER.....	1.7	37	38	172	4.51	.3	71	73	275
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.....	2.6	99	101	422	4.20	2.2	113	115	475
<2,000 CDD AND <4,000 HDD.....	4.7	88	90	322	3.58	4.4	92	94	335
>2,000 CDD AND <4,000 HDD.....	5.9	70	71	277	3.88	5.3	75	77	294

SEE FOOTNOTES AT END OF TABLE.



Average Residential 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 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.....	4.9	84	85	383	4.48	4.0	95	97	430
AREA TYPE									
URBAN.....	4.1	81	83	377	4.56	3.3	94	96	429
RURAL.....	.8	97	99	415	4.19	.8	102	104	435
SMSA STATUS									
SMSA.....	3.4	79	80	368	4.58	2.7	92	94	423
NON-SMSA.....	1.5	95	97	417	4.30	1.3	102	104	445
NATURAL GAS PAID BY HOUSEHOLD									
YES.....	3.9	91	93	414	4.46	3.3	102	104	458
NO.....	.9	53	55	256	4.69	.7	65	67	303
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	3.5	96	98	434	4.43	3.1	105	107	470
2 OR MORE UNITS.....	1.3	51	52	248	4.75	.9	64	66	299
NUMBER OF ROOMS									
1 TO 3.....	.5	50	51	238	4.63	.3	60	61	273
4 TO 5.....	2.1	71	72	331	4.58	1.7	82	84	377
6 OR MORE.....	2.3	102	104	459	4.41	2.0	113	116	504
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	2.3	83	84	380	4.50	2.1	88	90	403
SOME.....	1.1	80	82	377	4.62	.8	95	97	440
NONE.....	1.5	88	90	392	4.37	1.1	109	111	474
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	1.7	54	55	259	4.69	1.3	65	66	302
1,000 TO 1,999.....	2.2	92	94	415	4.43	1.9	102	104	456
2,000 OR MORE.....	1.0	116	118	524	4.42	.8	126	129	566
YEAR HOUSE BUILT									
1939 OR EARLIER.....	1.3	87	88	401	4.54	0.9	109	111	491
1940 TO 1959.....	1.7	81	83	374	4.51	1.4	95	97	433
1960 OR LATER.....	1.9	84	86	379	4.42	1.7	88	90	396
OWN/RENT									
OWN.....	3.1	99	101	444	4.40	2.7	109	112	486
RENT.....	1.8	57	58	275	4.74	1.3	67	69	317
1979 FAMILY INCOME									
LESS THAN \$10,000.....	1.5	63	64	302	4.69	1.1	78	79	361
\$10,000 TO \$19,999.....	1.5	80	82	369	4.51	1.2	91	93	412
\$20,000 TO \$34,999.....	1.2	105	108	467	4.33	1.1	112	114	491
\$35,000 OR MORE.....	.7	98	100	446	4.45	.6	106	108	476
TOTAL POOR (100 PERCENT LEVEL)..	1.0	69	71	324	4.57	.7	89	91	402
TOTAL POOR (125 PERCENT LEVEL)..	1.2	67	68	312	4.59	.8	83	85	378
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	1.6	74	76	340	4.49	1.2	87	89	391
35 TO 59 YEARS.....	2.1	94	96	423	4.41	1.8	104	106	465
60 YEARS AND OVER.....	1.3	79	80	372	4.62	1.0	90	92	418
HOUSEHOLD MEMBERS									
1.....	1.1	62	63	289	4.58	.9	69	70	315
2.....	1.2	71	73	335	4.60	.9	88	89	400
3 OR MORE.....	2.6	98	100	444	4.42	2.2	110	112	489
MAIN HEATING FUEL									
NATURAL GAS.....	4.0	95	97	430	4.42	4.0	95	97	430
ELECTRICITY.....	.3	26	26	151	5.74	-	-	-	-
FUEL OIL.....	.5	27	28	161	5.80	-	-	-	-
OTHER.....	.1	38	39	182	4.68	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Average Residential 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 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)
HOT WATER FUEL									
NATURAL GAS.....	3.8	93	95	420	4.43	3.3	102	104	455
ELECTRICITY.....	.8	59	60	284	4.70	.7	66	67	313
FUEL OIL.....	.2	6	6	72	11.83	Q	Q	Q	Q
OTHER.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
OWNERSHIP OF NATURAL GAS UTILITY									
PRIVATELY OWNED.....	2.0	96	98	440	4.48	1.6	112	114	502
UNKNOWN.....	2.9	75	76	343	4.49	2.4	85	86	383
MAIN HEATING EQUIPMENT USING NATURAL GAS									
CENTRAL WARM AIR FURNACE.....	2.5	97	99	434	4.37	2.5	97	99	434
STEAM OR HOT-WATER SYSTEM.....	.3	111	113	527	4.67	.3	111	113	527
FLOOR, WALL OR PIPELESS FURNACE.....	.6	94	96	411	4.27	.6	94	96	411
ROOM HEATER.....	.6	79	81	375	4.64	.6	79	81	375
NONE/OTHER.....	.9	28	29	161	5.58	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.....	2.1	97	99	449	4.52	1.6	116	118	525
<2,000 CDD AND <4,000 HDD.....	2.1	86	88	383	4.36	1.9	93	95	411
>2,000 CDD AND <4,000 HDD.....	.7	37	38	193	5.07	.5	44	45	215

SEE FOOTNOTES AT END OF TABLE.



Average Residential 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 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.....	2.3	83	85	302	3.57	2.2	86	88	313
AREA TYPE									
URBAN.....	1.8	83	84	299	3.54	1.7	86	88	312
RURAL.....	.5	84	85	314	3.68	.5	85	87	316
SMSA STATUS									
SMSA.....	1.2	79	80	285	3.55	1.1	82	84	295
NON-SMSA.....	1.1	87	89	321	3.60	1.1	91	93	333
NATURAL GAS PAID BY HOUSEHOLD									
YES.....	2.1	88	90	319	3.56	2.0	90	92	326
NO.....	.2	39	40	156	3.88	.2	48	49	182
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	1.9	89	91	324	3.55	1.8	92	94	331
2 OR MORE UNITS.....	.5	55	57	213	3.76	.4	62	63	232
NUMBER OF ROOMS									
1 TO 3.....	.3	41	42	166	3.99	.3	48	49	188
4 TO 5.....	1.0	75	76	284	3.71	.9	77	79	290
6 OR MORE.....	1.1	103	105	360	3.43	1.0	105	107	366
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	1.6	81	83	295	3.57	1.5	85	87	307
SOME.....	.4	92	94	341	3.64	.4	95	97	353
NONE.....	.4	83	84	296	3.51	.4	83	84	296
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	.9	61	63	235	3.75	.8	65	66	245
1,000 TO 1,999.....	1.0	90	92	326	3.56	1.0	94	95	339
2,000 OR MORE.....	.4	111	114	386	3.40	.4	114	117	395
YEAR HOUSE BUILT									
1939 OR EARLIER.....	0.5	91	93	319	3.44	0.5	92	94	324
1940 TO 1959.....	.9	88	90	323	3.61	.9	88	90	326
1960 OR LATER.....	1.0	74	76	275	3.62	.8	80	82	294
OWN/RENT									
OWN.....	1.7	91	93	327	3.52	1.6	94	96	336
RENT.....	.7	63	64	240	3.76	.6	67	69	255
1979 FAMILY INCOME									
LESS THAN \$10,000.....	1.0	73	75	273	3.65	.9	78	80	289
\$10,000 TO \$19,999.....	.7	82	84	296	3.52	.6	86	88	307
\$20,000 TO \$34,999.....	.5	91	93	334	3.60	.5	91	93	334
\$35,000 OR MORE.....	.1	123	126	422	3.36	.1	123	126	422
TOTAL POOR (100 PERCENT LEVEL)..	.4	79	81	291	3.62	.4	82	84	301
TOTAL POOR (125 PERCENT LEVEL)..	.6	75	76	274	3.59	.5	82	83	296
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	.8	79	80	288	3.59	.7	81	82	294
35 TO 59 YEARS.....	.8	93	95	333	3.49	.8	94	96	333
60 YEARS AND OVER.....	.8	77	79	287	3.65	.7	84	86	310
HOUSEHOLD MEMBERS									
1.....	.6	60	61	233	3.80	.5	65	67	251
2.....	.8	82	84	299	3.58	.8	84	86	307
3 OR MORE.....	1.0	98	100	347	3.49	.9	100	102	354
MAIN HEATING FUEL									
NATURAL GAS.....	2.2	86	88	313	3.56	2.2	86	88	313
ELECTRICITY.....	.1	25	26	111	4.34	-	-	-	-
FUEL OIL.....	Q	Q	Q	Q	Q	-	-	-	-
OTHER.....	Q	Q	Q	Q	Q	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Average Residential 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 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)
HOT WATER FUEL									
NATURAL GAS.....	1.8	87	88	309	3.49	1.7	91	93	323
ELECTRICITY.....	.5	70	72	283	3.95	.5	70	72	283
FUEL OIL.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
OWNERSHIP OF NATURAL GAS UTILITY									
PRIVATELY OWNED.....	1.1	84	85	308	3.61	1.1	85	87	312
UNKNOWN.....	1.2	82	84	297	3.54	1.1	87	89	314
MAIN HEATING EQUIPMENT USING NATURAL GAS									
CENTRAL WARM AIR FURNACE.....	1.3	94	96	330	3.45	1.3	94	96	330
STEAM OR HOT-WATER SYSTEM.....	.1	59	60	204	3.41	.1	59	60	204
FLOOR, WALL OR PIPELESS FURNACE.....	.3	88	89	341	3.81	.3	88	89	341
ROOM HEATER.....	.5	72	74	271	3.67	.5	72	74	271
NONE/OTHER.....	.2	39	39	167	4.22	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	103	105	327	3.12	.6	104	106	330
<2,000 CDD AND <4,000 HDD.....	1.2	79	80	309	3.85	1.1	80	82	314
>2,000 CDD AND <4,000 HDD.....	.6	72	73	264	3.60	.5	80	82	290

SEE FOOTNOTES AT END OF TABLE.



Average Residential 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 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.....	6.1	80	82	280	3.41	5.6	84	86	291
AREA TYPE									
URBAN.....	4.9	81	82	274	3.32	4.5	85	87	287
RURAL.....	1.2	79	80	305	3.79	1.1	79	81	307
SMSA STATUS									
SMSA.....	4.3	81	83	271	3.26	4.0	86	88	284
NON-SMSA.....	1.7	78	80	302	3.80	1.6	79	81	307
NATURAL GAS PAID BY HOUSEHOLD									
YES.....	5.5	84	86	291	3.39	5.2	86	87	296
NO.....	.6	47	48	183	3.77	.4	64	65	229
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	5.4	84	86	293	3.39	5.1	86	88	299
2 OR MORE UNITS.....	.7	49	50	183	3.63	.5	60	61	213
NUMBER OF ROOMS									
1 TO 3.....	.5	47	48	196	4.10	.4	54	55	228
4 TO 5.....	3.3	70	72	247	3.46	3.0	73	75	257
6 OR MORE.....	2.3	103	105	345	3.29	2.2	104	106	350
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	3.8	81	83	287	3.48	3.5	85	87	302
SOME.....	1.1	80	82	293	3.59	1.0	82	84	299
NONE.....	1.2	79	81	247	3.04	1.2	81	83	253
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	2.2	64	65	231	3.56	2.0	67	69	241
1,000 TO 1,999.....	3.0	81	83	290	3.51	2.9	84	86	301
2,000 OR MORE.....	.9	120	122	364	2.98	.8	125	127	378
YEAR HOUSE BUILT									
1939 OR EARLIER.....	1.0	87	89	322	3.62	0.9	88	90	327
1940 TO 1959.....	2.3	88	89	301	3.36	2.1	90	92	308
1960 OR LATER.....	2.8	72	74	249	3.37	2.6	77	79	264
OWN/RENT									
OWN.....	4.4	85	86	295	3.42	4.2	86	88	300
RENT.....	1.7	70	71	241	3.39	1.4	77	79	264
1979 FAMILY INCOME									
LESS THAN \$10,000.....	1.9	72	74	271	3.67	1.8	75	77	279
\$10,000 TO \$19,999.....	1.8	73	74	252	3.39	1.6	78	80	267
\$20,000 TO \$34,999.....	1.5	88	90	302	3.36	1.4	91	93	313
\$35,000 OR MORE.....	.9	101	103	320	3.11	.8	104	107	328
TOTAL POOR (100 PERCENT LEVEL)..	.9	75	77	285	3.73	.9	77	78	290
TOTAL POOR (125 PERCENT LEVEL)..	1.2	78	80	292	3.67	1.2	79	81	296
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	1.9	78	80	261	3.26	1.7	83	85	275
35 TO 59 YEARS.....	2.5	85	87	297	3.43	2.4	88	90	307
60 YEARS AND OVER.....	1.7	76	78	276	3.54	1.6	79	80	284
HOUSEHOLD MEMBERS									
1.....	1.1	58	59	217	3.70	.9	63	64	233
2.....	2.0	81	82	282	3.42	1.9	84	86	292
3 OR MORE.....	3.0	88	90	301	3.34	2.8	91	93	309
MAIN HEATING FUEL									
NATURAL GAS.....	5.6	84	86	291	3.39	5.6	84	86	291
ELECTRICITY.....	.4	36	37	142	3.85	-	-	-	-
FUEL OIL.....	q	q	q	q	q	-	-	-	-
OTHER.....	q	q	q	q	q	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Average Residential 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 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)
HOT WATER FUEL									
NATURAL GAS.....	5.7	82	84	285	3.39	5.3	86	87	294
ELECTRICITY.....	.4	54	55	205	3.75	.3	57	59	234
FUEL OIL.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
OWNERSHIP OF NATURAL GAS UTILITY									
PRIVATELY OWNED.....	3.1	80	82	305	3.72	3.0	81	83	307
UNKNOWN.....	3.0	81	82	254	3.08	2.6	88	90	273
MAIN HEATING EQUIPMENT USING NATURAL GAS									
CENTRAL WARM AIR FURNACE.....	3.2	90	92	305	3.31	3.2	90	92	305
STEAM OR HOT-WATER SYSTEM.....	.1	83	85	344	4.06	.1	83	85	344
FLOOR, WALL OR PIPELESS FURNACE.....	1.0	77	78	247	3.16	1.0	77	78	247
ROOM HEATER.....	1.2	74	76	286	3.77	1.2	74	76	286
NONE/OTHER.....	.7	49	50	188	3.78	.2	76	78	288
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.....	1.4	99	101	244	2.41	1.4	101	103	249
>2,000 CDD AND <4,000 HDD.....	4.6	75	76	291	3.82	4.3	79	80	304

SEE FOOTNOTES AT END OF TABLE.



Average Residential 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 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.....	11.9	73	75	261	3.50	11.1	76	77	269
AREA TYPE									
URBAN.....	10.8	72	73	256	3.50	10.1	74	76	264
RURAL.....	1.1	88	90	309	3.44	1.0	90	92	315
SMSA STATUS									
SMSA.....	10.3	70	71	250	3.50	9.6	72	74	258
NON-SMSA.....	1.6	93	95	335	3.51	1.5	95	97	340
NATURAL GAS PAID BY HOUSEHOLD									
YES.....	10.0	76	77	271	3.51	9.6	77	79	276
NO.....	1.9	58	59	205	3.45	1.6	65	66	228
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	8.8	81	82	289	3.51	8.3	83	84	295
2 OR MORE UNITS.....	3.1	52	53	182	3.44	2.8	55	56	191
NUMBER OF ROOMS									
1 TO 3.....	1.8	47	48	168	3.52	1.5	51	53	185
4 TO 5.....	5.1	67	69	239	3.48	4.9	68	70	242
6 OR MORE.....	5.0	88	90	316	3.51	4.8	90	92	322
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	3.1	68	70	246	3.52	2.8	71	73	255
SOME.....	1.5	65	66	225	3.40	1.3	69	70	239
NONE.....	7.4	77	78	274	3.51	7.0	78	80	280
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	4.3	56	57	202	3.53	3.9	58	59	209
1,000 TO 1,999.....	5.3	75	77	267	3.48	5.0	77	79	274
2,000 OR MORE.....	2.4	99	101	353	3.49	2.2	102	105	363
YEAR HOUSE BUILT									
1939 OR EARLIER.....	2.2	74	76	270	3.57	2.0	76	78	275
1940 TO 1959.....	3.8	72	74	257	3.48	3.7	74	75	262
1960 OR LATER.....	5.9	73	75	260	3.48	5.5	77	78	272
OWN/RENT									
OWN.....	7.6	82	83	290	3.49	7.3	83	84	294
RENT.....	4.3	58	59	208	3.52	3.8	62	63	221
1979 FAMILY INCOME									
LESS THAN \$10,000.....	3.2	67	68	240	3.53	3.1	68	69	244
\$10,000 TO \$19,999.....	3.5	69	70	245	3.47	3.2	72	73	254
\$20,000 TO \$34,999.....	3.2	77	78	272	3.47	3.0	79	81	281
\$35,000 OR MORE.....	1.9	85	87	307	3.53	1.8	88	90	318
TOTAL POOR (100 PERCENT LEVEL)..	1.3	67	68	242	3.53	1.2	69	71	250
TOTAL POOR (125 PERCENT LEVEL)..	1.8	64	66	232	3.52	1.6	67	68	240
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	4.2	66	68	232	3.42	3.8	70	72	246
35 TO 59 YEARS.....	4.9	79	81	286	3.52	4.7	81	83	291
60 YEARS AND OVER.....	2.8	72	73	260	3.55	2.7	73	75	264
HOUSEHOLD MEMBERS									
1.....	2.4	53	54	194	3.58	2.2	56	57	203
2.....	4.1	69	70	248	3.52	3.8	71	73	256
3 OR MORE.....	5.4	85	87	300	3.46	5.1	87	89	307
MAIN HEATING FUEL									
NATURAL GAS.....	11.1	76	77	269	3.49	11.1	76	77	269
ELECTRICITY.....	.5	31	32	118	3.71	-	-	-	-
FUEL OIL.....	Q	Q	Q	Q	Q	-	-	-	-
OTHER.....	.2	55	56	206	3.69	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Average Residential 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 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)
HOT WATER FUEL									
NATURAL GAS.....	11.3	74	75	258	3.43	10.6	76	77	265
ELECTRICITY.....	.6	63	64	315	4.93	.5	69	71	347
FUEL OIL.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
OWNERSHIP OF NATURAL GAS UTILITY									
PRIVATELY OWNED.....	8.1	73	75	262	3.50	7.8	74	76	265
UNKNOWN.....	3.8	73	74	259	3.49	3.3	79	80	279
MAIN HEATING EQUIPMENT USING NATURAL GAS									
CENTRAL WARM AIR FURNACE.....	6.3	84	86	302	3.53	6.3	84	86	302
STEAM OR HOT-WATER SYSTEM.....	.4	102	104	328	3.14	.4	102	104	328
FLOOR, WALL OR PIPELESS FURNACE.....	3.6	62	63	219	3.46	3.6	62	63	219
ROOM HEATER.....	.6	60	61	216	3.52	.6	60	61	216
NONE/OTHER.....	1.0	40	41	152	3.69	.2	49	50	175
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD.....	1.2	119	122	389	3.20	1.1	123	126	400
<2,000 CDD AND 5,500 TO 7,000 HDD.....	.8	114	117	351	3.00	.7	118	121	361
<2,000 CDD AND 4,000 TO 5,499 HDD.....	1.2	83	85	382	4.51	1.1	86	88	393
<2,000 CDD AND <4,000 HDD.....	8.3	63	64	221	3.44	7.8	65	66	228
>2,000 CDD AND <4,000 HDD.....	.4	44	45	187	4.12	.4	45	46	190

SEE FOOTNOTES AT END OF TABLE.



Average Residential 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 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.....	3.0	96	98	324	3.31	2.9	99	101	331
AREA TYPE									
URBAN.....	2.4	96	98	324	3.32	2.3	99	101	333
RURAL.....	.5	97	99	321	3.26	.5	97	99	324
SMSA STATUS									
SMSA.....	2.0	95	97	310	3.18	2.0	98	100	317
NON-SMSA.....	.9	97	99	355	3.58	.9	99	102	362
NATURAL GAS PAID BY HOUSEHOLD									
YES.....	2.6	101	103	339	3.28	2.5	103	105	344
NO.....	.4	63	64	228	3.54	.4	70	71	248
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	2.4	103	105	347	3.29	2.4	105	107	352
2 OR MORE UNITS.....	.5	63	64	220	3.42	.5	68	69	233
NUMBER OF ROOMS									
1 TO 3 .....	.4	52	53	193	3.65	.3	57	58	209
4 TO 5.....	1.5	88	89	303	3.39	1.4	89	91	307
6 OR MORE.....	1.2	120	123	391	3.19	1.1	122	125	397
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	.8	74	75	270	3.59	.8	76	77	276
SOME.....	.3	88	90	305	3.38	.3	98	100	334
NONE.....	1.8	107	110	352	3.21	1.8	109	111	356
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	1.2	68	70	247	3.53	1.1	71	73	254
1,000 TO 1,999.....	1.1	100	102	334	3.28	1.1	103	105	342
2,000 OR MORE.....	.7	139	142	446	3.14	.6	141	144	450
YEAR HOUSE BUILT									
1939 OR EARLIER.....	0.6	104	106	353	3.34	0.5	105	108	359
1940 TO 1959.....	1.0	94	96	318	3.31	1.0	96	98	324
1960 OR LATER.....	1.4	94	96	317	3.29	1.3	97	99	325
OWN/RENT									
OWN.....	2.1	105	107	348	3.26	2.1	106	108	352
RENT.....	.9	75	76	265	3.47	.8	79	81	278
1979 FAMILY INCOME									
LESS THAN \$10,000.....	.9	80	82	280	3.43	.8	82	84	285
\$10,000 TO \$19,999.....	1.1	89	91	307	3.36	1.1	92	94	315
\$20,000 TO \$34,999.....	.7	114	116	367	3.16	.7	115	117	370
\$35,000 OR MORE.....	.2	130	133	430	3.25	.2	140	143	460
TOTAL POOR (100 PERCENT LEVEL)..	.4	80	82	283	3.47	.4	81	83	288
TOTAL POOR (125 PERCENT LEVEL)..	.5	82	83	287	3.44	.5	83	85	292
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	1.1	85	87	289	3.33	1.0	89	91	301
35 TO 59 YEARS.....	1.2	107	110	355	3.24	1.1	109	111	359
60 YEARS AND OVER.....	.7	94	96	324	3.39	.7	96	98	330
HOUSEHOLD MEMBERS									
1.....	.6	68	70	250	3.60	.6	72	74	262
2.....	1.0	94	95	319	3.34	1.0	96	98	326
3 OR MORE.....	1.3	111	114	363	3.20	1.3	113	115	368
MAIN HEATING FUEL									
NATURAL GAS.....	2.9	99	101	331	3.29	2.9	99	101	331
ELECTRICITY.....	.1	22	23	104	4.54	-	-	-	-
FUEL OIL.....	Q	Q	Q	Q	Q	-	-	-	-
OTHER.....	Q	Q	Q	Q	Q	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Average Residential 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 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)
HOT WATER FUEL									
NATURAL GAS.....	2.8	97	100	326	3.27	2.7	99	102	331
ELECTRICITY.....	.1	65	66	291	4.41	.1	76	77	331
FUEL OIL.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
OWNERSHIP OF NATURAL GAS UTILITY									
PRIVATELY OWNED.....	1.5	106	109	347	3.19	1.5	108	110	350
UNKNOWN.....	1.5	85	87	300	3.45	1.4	89	91	311
MAIN HEATING EQUIPMENT USING NATURAL GAS									
CENTRAL WARM AIR FURNACE.....	2.1	104	106	340	3.21	2.1	104	106	340
STEAM OR HOT-WATER SYSTEM.....	.2	98	100	332	3.33	.2	98	100	332
FLOOR, WALL OR PIPELESS FURNACE.....	.4	81	83	308	3.74	.4	81	83	308
ROOM HEATER.....	.1	73	74	261	3.51	.1	73	74	261
NONE/OTHER.....	.1	33	34	147	4.35	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	394	3.32	1.0	120	123	406
<2,000 CDD AND 5,500 TO 7,000 HDD.....	.7	117	120	348	2.91	.7	121	124	358
<2,000 CDD AND 4,000 TO 5,499 HDD.....	.3	98	100	363	3.64	.3	98	100	363
<2,000 CDD AND <4,000 HDD.....	.4	54	55	196	3.57	.4	55	56	200
>2,000 CDD AND <4,000 HDD.....	.4	45	45	193	4.24	.4	45	45	193

SEE FOOTNOTES AT END OF TABLE.



Average Residential 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 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.....	8.9	65	67	240	3.59	8.3	68	69	247
AREA TYPE									
URBAN.....	8.4	65	66	236	3.59	7.8	67	68	244
RURAL.....	.6	80	81	297	3.66	.5	82	83	306
SMSA STATUS									
SMSA.....	8.3	64	65	235	3.61	7.7	66	67	243
NON-SMSA.....	.6	88	90	306	3.40	.6	90	91	308
NATURAL GAS PAID BY HOUSEHOLD									
YES.....	7.5	67	69	248	3.62	7.1	68	70	252
NO.....	1.5	57	58	198	3.42	1.2	64	65	222
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	6.4	72	74	267	3.63	6.0	74	75	273
2 OR MORE UNITS.....	2.6	49	50	174	3.44	2.3	52	53	182
NUMBER OF ROOMS									
1 TO 3.....	1.4	45	46	162	3.49	1.2	50	51	178
4 TO 5.....	3.6	59	60	214	3.54	3.4	60	61	216
6 OR MORE.....	3.9	79	80	293	3.65	3.7	81	82	300
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	2.2	66	68	236	3.49	2.0	69	71	247
SOME.....	1.2	59	60	205	3.41	1.0	61	63	214
NONE.....	5.6	66	68	249	3.67	5.3	68	69	254
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	3.1	51	52	185	3.53	2.8	53	54	190
1,000 TO 1,999.....	4.1	68	70	248	3.56	3.9	70	71	255
2,000 OR MORE.....	1.7	84	86	319	3.71	1.6	87	89	329
YEAR HOUSE BUILT									
1939 OR EARLIER.....	1.6	64	65	242	3.70	1.5	65	66	244
1940 TO 1959.....	2.8	64	66	235	3.57	2.7	66	67	240
1960 OR LATER.....	4.5	67	68	243	3.57	4.1	70	71	254
OWN/RENT									
OWN.....	5.5	73	74	269	3.62	5.3	74	75	271
RENT.....	3.4	54	55	194	3.54	3.0	57	58	206
1979 FAMILY INCOME									
LESS THAN \$10,000.....	2.4	62	63	226	3.58	2.2	63	64	229
\$10,000 TO \$19,999.....	2.4	59	61	215	3.55	2.2	62	63	223
\$20,000 TO \$34,999.....	2.5	66	67	245	3.63	2.3	68	70	253
\$35,000 OR MORE.....	1.7	79	80	289	3.60	1.6	81	83	299
TOTAL POOR (100 PERCENT LEVEL)..	.9	61	62	221	3.57	.8	63	64	229
TOTAL POOR (125 PERCENT LEVEL)..	1.3	58	59	211	3.56	1.1	60	61	218
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	3.1	60	61	212	3.47	2.8	64	65	226
35 TO 59 YEARS.....	3.8	71	72	264	3.65	3.5	72	74	269
60 YEARS AND OVER.....	2.1	64	65	237	3.63	2.0	65	66	240
HOUSEHOLD MEMBERS									
1.....	1.8	48	49	174	3.57	1.6	50	51	181
2.....	3.0	60	62	223	3.62	2.8	62	64	231
3 OR MORE.....	4.1	77	78	280	3.58	3.9	79	80	287
MAIN HEATING FUEL									
NATURAL GAS.....	8.3	68	69	247	3.59	8.3	68	69	247
ELECTRICITY.....	.4	32	33	120	3.62	-	-	-	-
FUEL OIL.....	q	q	q	q	q	-	-	-	-
OTHER.....	.2	55	56	207	3.66	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Average Residential 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 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)
HOT WATER FUEL									
NATURAL GAS.....	8.4	66	67	235	3.51	7.8	68	69	242
ELECTRICITY.....	.5	62	63	322	5.08	.4	67	69	352
FUEL OIL.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
OWNERSHIP OF NATURAL GAS UTILITY									
PRIVATELY OWNED.....	6.6	66	67	242	3.62	6.3	66	68	245
UNKNOWN.....	2.3	65	66	233	3.51	2.0	71	73	256
MAIN HEATING EQUIPMENT USING NATURAL GAS									
CENTRAL WARM AIR FURNACE.....	4.2	74	76	283	3.74	4.2	74	76	283
STEAM OR HOT-WATER SYSTEM.....	.2	108	110	321	2.93	.2	108	110	321
FLOOR, WALL OR PIPELESS FURNACE.....	3.2	59	61	207	3.41	3.2	59	61	207
ROOM HEATER.....	.5	57	58	204	3.53	.5	57	58	204
NONE/OTHER.....	.9	41	42	153	3.62	.2	49	50	169
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD.....	.1	163	167	312	1.87	.1	163	167	312
<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.....	.9	78	79	390	4.92	.8	82	83	406
<2,000 CDD AND <4,000 HDD.....	7.9	63	65	222	3.44	7.3	65	67	229
>2,000 CDD AND <4,000 HDD.....	.1	43	44	147	3.33	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 1980 RESIDENTIAL ENERGY CONSUMPTION SURVEY.



Average Residential Electricity Consumption and Expenditures

Table 5. U.S. Average Residential Electricity Consumption and Expenditures—April 1980 Through March 1981, United States

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.....	81.6	8.8	30	492	16.32	14.3	16.2	55	771
AREA TYPE									
URBAN.....	56.0	7.7	26	444	16.97	8.0	13.9	47	661
RURAL.....	25.6	11.4	39	597	15.35	6.3	19.3	66	911
SMSA STATUS									
SMSA.....	55.6	8.2	28	478	17.02	9.6	14.9	51	736
NON-SMSA.....	26.0	10.1	35	522	15.09	4.7	19.1	65	842
ELECTRICITY PAID BY HOUSEHOLD									
YES.....	75.8	9.1	31	506	16.21	12.9	17.1	58	809
NO.....	5.8	4.8	16	312	18.97	1.4	7.9	27	405
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	60.9	10.0	34	546	15.94	9.2	19.8	68	933
2 OR MORE UNITS.....	20.7	5.3	18	331	18.43	5.1	9.7	33	475
NUMBER OF ROOMS									
1 TO 3.....	10.6	4.7	16	281	17.54	3.0	7.8	27	385
4 TO 5.....	35.1	7.9	27	434	16.15	6.2	15.0	51	705
6 OR MORE.....	35.9	11.0	38	611	16.28	5.1	22.8	78	1081
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	29.8	11.8	40	626	15.54	9.0	16.9	58	842
SOME.....	16.9	7.6	26	474	18.36	1.7	13.0	44	649
NONE.....	34.9	6.9	24	386	16.36	3.6	16.1	55	654
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	28.5	6.1	21	353	17.01	5.8	10.5	36	495
1,000 TO 1,999.....	34.0	9.5	32	517	16.03	5.8	17.9	61	855
2,000 OR MORE.....	19.1	11.8	40	653	16.18	2.7	24.9	85	1177
YEAR HOUSE BUILT									
1939 OR EARLIER.....	23.3	6.3	22	389	18.03	0.8	15.9	54	714
1940 TO 1959.....	21.2	8.0	27	453	16.61	1.6	15.8	54	704
1960 OR LATER.....	37.2	10.9	37	579	15.57	11.9	16.3	56	783
OWN/RENT									
OWN.....	54.3	10.2	35	559	16.06	8.5	20.0	68	948
RENT.....	27.3	6.1	21	359	17.17	5.8	10.8	37	512
1979 FAMILY INCOME									
LESS THAN \$10,000.....	24.2	6.5	22	364	16.46	3.9	12.3	42	568
\$10,000 TO \$19,999.....	25.7	8.3	28	464	16.32	4.5	14.8	51	703
\$20,000 TO \$34,999.....	22.3	10.4	35	564	15.94	4.1	18.8	64	869
\$35,000 OR MORE.....	9.4	12.7	43	727	16.84	1.8	22.6	77	1163
TOTAL POOR (100 PERCENT LEVEL)..	10.9	6.8	23	381	16.55	1.8	13.1	45	620
TOTAL POOR (125 PERCENT LEVEL)..	14.7	6.7	23	378	16.52	2.3	13.1	45	611
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	26.8	8.2	28	452	16.18	6.2	13.9	47	667
35 TO 59 YEARS.....	33.0	10.3	35	576	16.38	4.7	20.2	69	959
60 YEARS AND OVER.....	21.8	7.4	25	414	16.36	3.3	15.0	51	697
HOUSEHOLD MEMBERS									
1.....	15.7	5.6	19	320	16.84	3.6	10.6	36	515
2.....	26.8	8.0	27	443	16.24	4.8	14.4	49	680
3 OR MORE.....	39.1	10.7	37	594	16.24	5.8	21.3	73	1006
MAIN HEATING FUEL									
NATURAL GAS.....	44.6	6.9	24	404	17.09	-	-	-	-
ELECTRICITY.....	14.3	16.2	55	771	13.91	14.3	16.2	55	771
FUEL OIL.....	12.6	7.0	24	478	20.08	-	-	-	-
OTHER.....	10.2	9.1	31	501	16.18	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Average Residential Electricity Consumption and Expenditures

Table 5. (Continued)
United States

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)
HOT WATER FUEL									
NATURAL GAS.....	44.1	6.7	23	400	17.50	1.4	9.2	32	490
ELECTRICITY.....	26.1	13.8	47	674	14.32	12.5	17.2	59	808
FUEL OIL.....	7.0	4.9	17	427	25.65	.1	5.1	17	333
OTHER.....	4.4	7.2	25	441	17.90	.3	13.3	45	685
OWNERSHIP OF ELECTRIC UTILITY									
PRIVATELY OWNED.....	51.9	8.6	29	500	17.00	7.9	16.2	55	832
PUBLICLY OWNED.....	9.6	10.3	35	476	13.49	2.2	17.6	60	694
CUSTOMER OWNED.....	5.9	12.7	43	612	14.09	1.7	20.3	69	881
UNKNOWN.....	14.3	7.0	24	423	17.70	2.5	12.2	42	572
ALL ELECTRIC HOME									
YES.....	12.3	17.3	59	814	13.76	12.3	17.3	59	814
NO.....	69.4	7.3	25	435	17.38	2.0	9.7	33	513
MAIN HEATING EQUIPMENT USING ELECTRICITY									
CENTRAL WARM AIR.....	5.6	16.4	56	776	13.90	5.6	16.4	56	776
HEAT PUMP.....	2.1	20.4	70	1028	14.77	2.1	20.4	70	1028
WALL UNITS.....	5.3	15.5	53	714	13.46	5.3	15.5	53	714
PIPELESS FURNACE.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
PORTABLE HEATERS.....	.9	10.6	36	504	13.97	.9	10.6	36	504
NONE/OTHER.....	67.7	7.3	25	434	17.42	.4	13.9	47	693
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD.....	8.5	8.3	28	449	15.84	.6	17.8	61	894
<2,000 CDD AND 5,500 TO 7,000 HDD.....	20.9	7.6	26	446	17.31	2.5	16.5	56	784
<2,000 CDD AND 4,000 TO 5,499 HDD.....	21.1	8.7	30	493	16.63	3.6	17.9	61	739
<2,000 CDD AND <4,000 HDD.....	19.0	8.6	29	453	15.43	3.1	15.2	52	688
>2,000 CDD AND <4,000 HDD.....	12.1	12.1	41	661	16.06	4.5	15.3	52	831

SEE FOOTNOTES AT END OF TABLE.



Average Residential 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.....	17.7	6.5	22	487	21.99	1.6	16.0	55	975
AREA TYPE									
URBAN.....	13.2	5.5	19	444	23.72	.8	15.9	54	975
RURAL.....	4.5	9.5	32	615	19.04	.8	16.2	55	975
SMSA STATUS									
SMSA.....	13.9	6.0	21	475	23.15	1.3	15.3	52	939
NON-SMSA.....	3.7	8.3	28	532	18.87	.3	19.0	65	1126
ELECTRICITY PAID BY HOUSEHOLD									
YES.....	15.8	6.9	24	509	21.63	1.4	17.2	59	1038
NO.....	1.9	3.1	11	304	28.79	.2	6.4	22	455
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	10.9	8.2	28	575	20.50	1.0	20.5	70	1228
2 OR MORE UNITS.....	6.8	3.8	13	348	27.19	.6	9.0	31	576
NUMBER OF ROOMS									
1 TO 3.....	2.7	2.7	9	270	29.26	.3	7.1	24	478
4 TO 5.....	6.4	6.0	20	434	21.38	.8	14.4	49	866
6 OR MORE.....	8.5	8.1	28	598	21.55	.6	22.4	76	1354
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	2.9	8.7	30	639	21.60	.5	19.4	66	1214
SOME.....	5.8	6.2	21	514	24.23	.5	10.6	36	732
NONE.....	9.0	6.0	20	421	20.67	.6	17.5	60	963
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	5.9	3.9	13	343	25.64	.5	10.4	35	666
1,000 TO 1,999.....	6.6	6.8	23	492	21.29	.6	17.2	59	994
2,000 OR MORE.....	5.1	9.1	31	647	20.87	.4	21.0	72	1312
YEAR HOUSE BUILT									
1939 OR EARLIER.....	8.1	5.1	17	396	22.71	0.1	19.2	66	940
1940 TO 1959.....	3.9	5.8	20	464	23.33	.1	8.8	30	560
1960 OR LATER.....	5.7	8.9	30	632	20.81	1.3	16.5	56	1024
OWN/RENT									
OWN.....	11.1	8.0	27	571	21.02	.9	20.4	70	1202
RENT.....	6.6	4.0	14	346	25.26	.7	10.1	34	668
1979 FAMILY INCOME									
LESS THAN \$10,000.....	4.7	4.2	14	340	23.70	.3	12.9	44	742
\$10,000 TO \$19,999.....	6.0	5.9	20	446	22.03	.4	14.0	48	889
\$20,000 TO \$34,999.....	5.1	8.0	27	571	20.82	.6	17.2	59	1019
\$35,000 OR MORE.....	1.9	9.9	34	768	22.69	.2	22.6	77	1457
TOTAL POOR (100 PERCENT LEVEL)..	1.7	4.6	16	381	24.28	.2	12.1	41	725
TOTAL POOR (125 PERCENT LEVEL)..	2.7	4.6	16	366	23.36	.3	13.5	46	747
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	5.3	6.1	21	441	21.06	.9	13.3	45	785
35 TO 59 YEARS.....	7.7	7.8	27	590	22.23	.5	19.5	67	1256
60 YEARS AND OVER.....	4.7	4.8	16	373	22.70	.2	19.6	67	1094
HOUSEHOLD MEMBERS									
1.....	3.5	3.7	13	304	23.77	.4	10.9	37	647
2.....	5.5	5.4	18	418	22.73	.4	14.1	48	850
3 OR MORE.....	8.6	8.3	28	607	21.36	.7	20.2	69	1239
MAIN HEATING FUEL									
NATURAL GAS.....	6.6	5.1	17	403	23.04	-	-	-	-
ELECTRICITY.....	1.6	16.0	55	975	17.83	1.6	16.0	55	975
FUEL OIL.....	8.0	5.3	18	447	24.86	-	-	-	-
OTHER.....	1.4	9.2	31	566	18.07	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Average Residential 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)
HOT WATER FUEL									
NATURAL GAS.....	7.2	5.1	17	400	23.05	Q	Q	Q	Q
ELECTRICITY.....	3.9	12.0	41	750	18.36	1.5	16.1	55	988
FUEL OIL.....	6.1	4.6	16	421	26.87	Q	Q	Q	Q
OTHER.....	.5	7.5	26	521	20.32	Q	Q	Q	Q
OWNERSHIP OF ELECTRIC UTILITY									
PRIVATELY OWNED.....	13.3	7.1	24	521	21.39	1.4	16.5	56	995
PUBLICLY OWNED.....	.5	7.5	26	424	16.56	Q	Q	Q	Q
CUSTOMER OWNED.....	.1	6.9	24	474	20.02	Q	Q	Q	Q
UNKNOWN.....	3.7	4.0	14	377	27.30	.1	11.0	38	750
ALL ELECTRIC HOME									
YES.....	1.5	16.1	55	987	17.93	1.5	16.1	55	987
NO.....	16.2	5.6	19	442	23.06	.1	14.3	49	782
MAIN HEATING EQUIPMENT USING ELECTRICITY									
CENTRAL WARM AIR.....	.1	16.0	54	905	16.60	.1	16.0	54	905
HEAT PUMP.....	.2	22.6	77	1340	17.37	.2	22.6	77	1340
WALL UNITS.....	1.1	14.8	51	927	18.33	1.1	14.8	51	927
PIPELESS FURNACE.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
PORTABLE HEATERS.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
NONE/OTHER.....	16.2	5.6	19	442	23.05	.1	16.7	57	907
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)-- LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD.....	1.7	8.8	30	520	17.30	.1	21.0	72	1092
<2,000 CDD AND 5,500 TO 7,000 HDD.....	7.8	6.9	24	473	20.06	.9	14.7	50	890
<2,000 CDD AND 4,000 TO 5,499 HDD.....	8.1	5.6	19	494	25.88	.5	17.2	59	1093
<2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Average Residential Electricity Consumption and Expenditures

Table 5. (Continued)
Census Division: New England

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.....	4.3	6.5	22	487	21.83	0.3	13.4	46	925
AREA TYPE									
URBAN.....	2.9	5.7	19	434	22.44	.1	13.6	47	976
RURAL.....	1.3	8.4	29	603	20.95	.2	13.2	45	886
SMSA STATUS									
SMSA.....	3.1	6.3	21	478	22.36	.3	13.0	44	891
NON-SMSA.....	1.2	7.3	25	513	20.63	Q	Q	Q	Q
ELECTRICITY PAID BY HOUSEHOLD									
YES.....	4.0	6.8	23	501	21.74	.3	15.5	53	1057
NO.....	.3	3.8	13	310	24.01	.1	5.3	18	409
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	2.4	8.3	28	596	21.00	.2	19.7	67	1307
2 OR MORE UNITS.....	1.9	4.3	15	350	23.89	.2	7.8	27	588
NUMBER OF ROOMS									
1 TO 3 .....	.5	3.5	12	285	23.81	.1	6.6	23	483
4 TO 5.....	1.8	5.6	19	422	22.05	.1	15.2	52	1065
6 OR MORE.....	2.0	8.1	28	597	21.49	.1	20.9	71	1393
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	.6	7.5	25	537	21.10	.1	12.0	41	833
SOME.....	1.2	7.3	25	536	21.64	.1	12.5	43	830
NONE.....	2.5	6.0	20	453	22.16	.1	15.3	52	1088
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	1.3	4.6	16	362	23.13	.2	8.7	30	613
1,000 TO 1,999.....	1.7	5.8	20	439	22.30	.1	17.8	61	1270
2,000 OR MORE.....	1.3	9.5	32	676	20.84	.1	20.7	71	1361
YEAR HOUSE BUILT									
1939 OR EARLIER.....	2.2	4.9	17	388	23.32	Q	Q	Q	Q
1940 TO 1959.....	.8	7.1	24	519	21.34	Q	Q	Q	Q
1960 OR LATER.....	1.2	9.2	31	648	20.65	0.3	13.8	47	937
OWN/RENT									
OWN.....	2.7	7.7	26	556	21.13	.1	20.6	70	1323
RENT.....	1.6	4.5	15	367	23.92	.2	9.2	31	691
1979 FAMILY INCOME									
LESS THAN \$10,000.....	1.0	4.0	14	324	23.44	.1	6.1	21	457
\$10,000 TO \$19,999.....	1.4	6.1	21	453	21.70	.1	15.6	53	1101
\$20,000 TO \$34,999.....	1.2	7.0	24	520	21.66	.1	12.3	42	808
\$35,000 OR MORE.....	.7	10.4	35	752	21.23	.1	19.8	68	1329
TOTAL POOR (100 PERCENT LEVEL)..	.4	4.2	14	336	23.64	.1	4.6	16	368
TOTAL POOR (125 PERCENT LEVEL)..	.6	4.0	14	321	23.64	.1	5.0	17	384
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	1.2	5.1	17	391	22.33	.1	9.2	31	632
35 TO 59 YEARS.....	1.9	8.2	28	598	21.48	.1	16.1	55	1129
60 YEARS AND OVER.....	1.1	5.3	18	406	22.23	.1	15.4	53	1025
HOUSEHOLD MEMBERS									
1.....	.7	4.0	14	318	23.12	.1	7.8	27	557
2.....	1.3	5.6	19	419	22.03	.1	13.5	46	924
3 OR MORE.....	2.2	8.0	27	585	21.53	.1	19.6	67	1339
MAIN HEATING FUEL									
NATURAL GAS.....	1.1	4.4	15	361	24.16	-	-	-	-
ELECTRICITY.....	.3	13.4	46	925	20.22	.3	13.4	46	925
FUEL OIL.....	2.2	6.0	21	461	22.32	-	-	-	-
OTHER.....	.6	8.6	29	578	19.80	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Average Residential Electricity Consumption and Expenditures

Table 5. (Continued)
Census Division: New England

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)
HOT WATER FUEL									
NATURAL GAS.....	1.4	4.0	14	335	24.44	Q	Q	Q	Q
ELECTRICITY.....	1.0	11.6	40	799	20.17	0.3	13.8	47	955
FUEL OIL.....	1.6	5.5	19	424	22.41	Q	Q	Q	Q
OTHER.....	.3	7.3	25	530	21.32	Q	Q	Q	Q
OWNERSHIP OF ELECTRIC UTILITY									
PRIVATELY OWNED.....	3.2	6.8	23	509	21.81	.2	15.7	54	1060
PUBLICLY OWNED.....	.4	6.6	23	469	20.69	Q	Q	Q	Q
CUSTOMER OWNED.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
UNKNOWN.....	.7	4.7	16	374	23.07	Q	Q	Q	Q
ALL ELECTRIC HOME									
YES.....	.3	13.8	47	950	20.21	.3	13.8	47	950
NO.....	4.0	6.0	21	454	22.10	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.....	.3	13.2	45	909	20.21	.3	13.2	45	909
PIPELESS FURNACE.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
PORTABLE HEATERS.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
NONE/OTHER.....	4.0	6.0	20	451	22.12	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	7.2	25	507	20.67	Q	Q	Q	Q
<2,000 CDD AND 5,500 TO 7,000 HDD.....	3.2	6.3	22	481	22.29	.3	13.0	44	891
<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 Residential 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.....	13.4	6.5	22	487	22.04	1.3	16.7	57	988
AREA TYPE									
URBAN.....	10.3	5.4	19	447	24.10	.6	16.4	56	974
RURAL.....	3.1	9.9	34	620	18.34	.6	17.1	58	1002
SMSA STATUS									
SMSA.....	10.8	5.9	20	475	23.39	1.0	16.1	55	954
NON-SMSA.....	2.6	8.7	30	541	18.22	.3	19.0	65	1108
ELECTRICITY PAID BY HOUSEHOLD									
YES.....	11.8	6.9	24	512	21.59	1.1	17.6	60	1034
NO.....	1.6	3.0	10	303	29.98	.1	7.0	24	484
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	8.5	8.2	28	569	20.36	.8	20.6	70	1213
2 OR MORE UNITS.....	4.9	3.5	12	348	28.71	.4	9.5	32	571
NUMBER OF ROOMS									
1 TO 3.....	2.2	2.5	9	267	30.95	.1	7.7	26	473
4 TO 5.....	4.6	6.1	21	439	21.14	.7	14.3	49	838
6 OR MORE.....	6.5	8.1	28	598	21.57	.5	22.7	78	1346
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	2.3	9.0	31	664	21.70	.4	20.6	70	1275
SOME.....	4.6	5.9	20	508	25.07	.3	9.9	34	692
NONE.....	6.5	6.0	20	409	20.09	.5	18.0	61	930
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	4.6	3.7	13	337	26.52	.3	11.3	39	695
1,000 TO 1,999.....	5.0	7.1	24	510	21.01	.6	17.1	59	961
2,000 OR MORE.....	3.8	8.9	31	638	20.88	.4	21.0	72	1302
YEAR HOUSE BUILT									
1939 OR EARLIER.....	5.8	5.2	18	399	22.50	0.1	19.4	66	897
1940 TO 1959.....	3.1	5.5	19	451	23.98	.1	8.8	30	507
1960 OR LATER.....	4.5	8.8	30	628	20.86	1.0	17.2	59	1047
OWN/RENT									
OWN.....	8.4	8.0	27	575	20.98	.8	20.4	70	1183
RENT.....	5.0	3.9	13	339	25.75	.5	10.5	36	658
1979 FAMILY INCOME									
LESS THAN \$10,000.....	3.7	4.3	15	345	23.76	.3	15.3	52	843
\$10,000 TO \$19,999.....	4.6	5.9	20	444	22.13	.3	13.5	46	826
\$20,000 TO \$34,999.....	3.9	8.3	28	586	20.60	.5	17.8	61	1042
\$35,000 OR MORE.....	1.2	9.7	33	778	23.58	.1	24.5	83	1542
TOTAL POOR (100 PERCENT LEVEL)..	1.3	4.7	16	395	24.46	.1	15.1	52	868
TOTAL POOR (125 PERCENT LEVEL)..	2.1	4.8	16	379	23.29	.2	16.7	57	879
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	4.0	6.4	22	456	20.76	.8	13.9	48	809
35 TO 59 YEARS.....	5.7	7.7	26	587	22.49	.4	20.8	71	1303
60 YEARS AND OVER.....	3.6	4.7	16	363	22.86	.1	22.4	76	1141
HOUSEHOLD MEMBERS									
1.....	2.8	3.7	13	300	23.96	.3	12.1	41	683
2.....	4.2	5.3	18	417	22.96	.3	14.2	49	828
3 OR MORE.....	6.4	8.4	29	614	21.31	.6	20.3	69	1221
MAIN HEATING FUEL									
NATURAL GAS.....	5.5	5.3	18	412	22.86	-	-	-	-
ELECTRICITY.....	1.3	16.7	57	988	17.32	1.3	16.7	57	988
FUEL OIL.....	5.8	5.0	17	441	26.07	-	-	-	-
OTHER.....	.8	9.6	33	557	16.94	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Average Residential 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)
HOT WATER FUEL									
NATURAL GAS.....	5.8	5.4	18	416	22.80	Q	Q	Q	Q
ELECTRICITY.....	2.9	12.1	41	734	17.77	1.2	16.7	57	996
FUEL OIL.....	4.5	4.2	14	419	28.96	Q	Q	Q	Q
OTHER.....	.3	7.8	26	511	19.32	Q	Q	Q	Q
OWNERSHIP OF ELECTRIC UTILITY									
PRIVATELY OWNED.....	10.1	7.2	25	525	21.26	1.2	16.7	57	982
PUBLICLY OWNED.....	.1	9.9	34	301	8.93	Q	Q	Q	Q
CUSTOMER OWNED.....	.1	4.6	16	299	18.97	Q	Q	Q	Q
UNKNOWN.....	3.1	3.9	13	378	28.40	Q	Q	Q	Q
ALL ELECTRIC HOME									
YES.....	1.2	16.7	57	996	17.48	1.2	16.7	57	996
NO.....	12.2	5.5	19	437	23.41	.1	16.9	58	801
MAIN HEATING EQUIPMENT USING ELECTRICITY									
CENTRAL WARM AIR.....	.1	17.4	59	922	15.55	.1	17.4	59	922
HEAT PUMP.....	.2	21.5	73	1265	17.25	.2	21.5	73	1265
HALL UNITS.....	.9	15.3	52	932	17.84	.9	15.3	52	932
PIPELESS FURNACE.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
PORTABLE HEATERS.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
NONE/OTHER.....	12.2	5.5	19	439	23.38	.1	21.4	73	1112
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD.....	.6	11.6	39	542	13.73	.1	21.8	74	1024
<2,000 CDD AND 5,500 TO 7,000 HDD.....	4.7	7.3	25	468	18.74	.6	15.6	53	890
<2,000 CDD AND 4,000 TO 5,499 HDD.....	8.1	5.6	19	494	25.88	.5	17.2	59	1093
<2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Average Residential Electricity Consumption and Expenditures

Table 5. (Continued)
Census Region:
North Central

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 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.....	21.1	8.3	28	458	16.12	2.1	18.2	62	829
AREA TYPE									
URBAN.....	14.2	7.1	24	399	16.50	.9	14.3	49	604
RURAL.....	6.9	10.9	37	581	15.59	1.2	21.4	73	1011
SMSA STATUS									
SMSA.....	13.8	7.9	27	440	16.39	1.3	16.5	56	736
NON-SMSA.....	7.2	9.2	31	492	15.67	.8	20.9	71	972
ELECTRICITY PAID BY HOUSEHOLD									
YES.....	20.1	8.5	29	465	16.05	1.9	19.5	66	878
NO.....	.9	5.0	17	313	18.34	.2	6.8	23	386
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	16.1	9.4	32	509	15.94	1.2	24.3	83	1097
2 OR MORE UNITS.....	5.0	5.0	17	296	17.18	.9	9.9	34	460
NUMBER OF ROOMS									
1 TO 3.....	2.1	4.9	17	287	17.00	.5	7.7	26	393
4 TO 5.....	9.2	6.9	24	391	16.55	.8	16.6	57	789
6 OR MORE.....	9.7	10.4	36	559	15.74	.8	26.2	89	1133
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	7.6	10.4	36	543	15.28	1.4	17.6	60	782
SOME.....	4.7	7.3	25	417	16.68	.2	17.4	60	745
NONE.....	8.8	7.1	24	406	16.87	.5	20.2	69	988
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	6.3	5.5	19	324	17.27	.9	9.7	33	501
1,000 TO 1,999.....	8.4	8.5	29	463	15.99	.7	20.9	71	900
2,000 OR MORE.....	6.4	10.9	37	583	15.67	.6	28.0	95	1240
YEAR HOUSE BUILT									
1939 OR EARLIER.....	7.5	6.8	23	392	16.86	0.1	20.6	70	893
1940 TO 1959.....	5.2	7.6	26	440	16.95	.1	25.3	86	1121
1960 OR LATER.....	8.3	10.1	35	529	15.27	1.9	17.7	60	810
OWN/RENT									
OWN.....	14.4	9.5	32	512	15.84	1.2	23.6	80	1055
RENT.....	6.6	5.8	20	340	17.10	.9	11.1	38	527
1979 FAMILY INCOME									
LESS THAN \$10,000.....	6.1	5.9	20	337	16.76	.5	11.9	41	561
\$10,000 TO \$19,999.....	6.8	8.1	28	444	16.12	.8	16.2	55	754
\$20,000 TO \$34,999.....	6.0	9.8	33	522	15.64	.6	24.6	84	1033
\$35,000 OR MORE.....	2.2	11.8	40	659	16.30	.2	25.4	87	1276
TOTAL POOR (100 PERCENT LEVEL)..	2.6	5.8	20	342	17.23	.2	14.1	48	647
TOTAL POOR (125 PERCENT LEVEL)..	3.6	6.0	20	345	16.98	.3	13.2	45	642
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	6.8	7.4	25	414	16.47	.8	15.6	53	726
35 TO 59 YEARS.....	8.4	10.2	35	551	15.80	.8	23.7	81	1041
60 YEARS AND OVER.....	5.9	6.8	23	377	16.33	.5	14.1	48	670
HOUSEHOLD MEMBERS									
1.....	3.5	5.1	17	298	17.23	.6	10.7	36	556
2.....	7.2	7.3	25	402	16.05	.8	15.9	54	698
3 OR MORE.....	10.4	10.1	35	551	15.96	.8	25.7	88	1145
MAIN HEATING FUEL									
NATURAL GAS.....	15.0	6.6	22	387	17.24	-	-	-	-
ELECTRICITY.....	2.1	18.2	62	829	13.33	2.1	18.2	62	829
FUEL OIL.....	1.5	10.2	35	545	15.63	-	-	-	-
OTHER.....	2.4	9.3	32	518	16.31	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Average Residential Electricity Consumption and Expenditures

Table 5. (Continued)
Census Region:
North Central

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)
HOT WATER FUEL									
NATURAL GAS.....	14.4	6.5	22	384	17.37	0.3	8.2	28	400
ELECTRICITY.....	5.2	13.6	46	669	14.41	1.8	19.7	67	894
FUEL OIL.....	.2	5.4	18	276	15.11	Q	Q	Q	Q
OTHER.....	1.3	7.9	27	449	16.64	Q	Q	Q	Q
OWNERSHIP OF ELECTRIC UTILITY									
PRIVATELY OWNED.....	14.6	8.2	28	450	16.08	1.3	19.7	67	868
PUBLICLY OWNED.....	2.3	7.9	27	422	15.57	.2	16.1	55	669
CUSTOMER OWNED.....	1.6	12.7	43	679	15.73	.3	22.7	77	1098
UNKNOWN.....	2.7	6.8	23	403	17.27	.4	10.1	35	540
ALL ELECTRIC HOME									
YES.....	1.8	19.7	67	894	13.31	1.8	19.7	67	894
NO.....	19.3	7.3	25	418	16.82	.3	10.4	35	478
MAIN HEATING EQUIPMENT USING ELECTRICITY									
CENTRAL WARM AIR.....	.6	19.2	65	858	13.10	.6	19.2	65	858
HEAT PUMP.....	.2	24.9	85	996	11.74	.2	24.9	85	996
WALL UNITS.....	1.2	16.3	56	776	13.97	1.2	16.3	56	776
PIPELESS FURNACE.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
PORTABLE HEATERS.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
NONE/OTHER.....	19.0	7.3	25	418	16.86	.1	22.3	76	967
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD.....	5.3	8.5	29	459	15.87	.4	18.7	64	982
<2,000 CDD AND 5,500 TO 7,000 HDD.....	11.7	7.7	26	439	16.63	1.3	17.1	58	775
<2,000 CDD AND 4,000 TO 5,499 HDD.....	4.1	9.8	34	511	15.24	.5	20.8	71	860
<2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Average Residential 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 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.....	14.8	8.0	27	447	16.38	1.7	17.4	59	803
AREA TYPE									
URBAN.....	10.5	6.8	23	388	16.76	.9	14.5	49	604
RURAL.....	4.3	10.9	37	588	15.80	.8	20.5	70	1018
SMSA STATUS									
SMSA.....	10.8	7.3	25	421	16.96	1.1	14.9	51	670
NON-SMSA.....	4.0	9.9	34	514	15.23	.7	21.4	73	1017
ELECTRICITY PAID BY HOUSEHOLD									
YES.....	14.1	8.1	28	453	16.31	1.5	18.7	64	856
NO.....	.7	4.9	17	311	18.75	.2	6.3	22	366
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	10.7	9.1	31	503	16.17	.9	24.7	84	1137
2 OR MORE UNITS.....	4.1	5.0	17	298	17.36	.8	9.6	33	451
NUMBER OF ROOMS									
1 TO 3.....	1.6	4.8	16	281	17.16	.5	7.4	25	382
4 TO 5.....	6.4	6.6	22	380	16.89	.6	16.2	55	786
6 OR MORE.....	6.9	10.0	34	547	15.98	.6	26.1	89	1136
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	4.3	9.9	34	527	15.56	1.0	15.9	54	712
SOME.....	3.4	7.4	25	424	16.91	.2	17.5	60	750
NONE.....	7.2	7.1	24	409	16.80	.5	20.5	70	1017
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	4.5	5.3	18	320	17.76	.8	9.3	32	488
1,000 TO 1,999.....	6.0	8.1	28	445	16.16	.5	20.7	71	902
2,000 OR MORE.....	4.4	10.6	36	577	15.90	.4	28.3	96	1263
YEAR HOUSE BUILT									
1939 OR EARLIER.....	5.2	6.7	23	387	16.89	0.1	20.6	70	893
1940 TO 1959.....	3.7	6.8	23	414	17.90	.1	19.9	68	1033
1960 OR LATER.....	5.9	9.9	34	520	15.42	1.6	17.1	58	788
OWN/RENT									
OWN.....	9.8	9.2	31	501	16.04	.9	23.5	80	1067
RENT.....	5.1	5.7	20	341	17.43	.8	10.4	36	502
1979 FAMILY INCOME									
LESS THAN \$10,000.....	4.2	5.9	20	339	16.91	.4	10.9	37	526
\$10,000 TO \$19,999.....	4.8	7.6	26	428	16.51	.7	15.6	53	739
\$20,000 TO \$34,999.....	4.4	9.3	32	505	15.99	.4	23.9	82	1028
\$35,000 OR MORE.....	1.4	11.8	40	657	16.25	.1	26.3	90	1307
TOTAL POOR (100 PERCENT LEVEL)..	1.9	5.6	19	340	17.69	.1	12.5	43	595
TOTAL POOR (125 PERCENT LEVEL)..	2.7	5.9	20	348	17.27	.2	12.3	42	623
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	4.7	6.9	24	396	16.83	.6	13.7	47	645
35 TO 59 YEARS.....	6.0	9.8	33	538	16.11	.6	23.4	80	1050
60 YEARS AND OVER.....	4.1	6.6	23	372	16.42	.4	13.7	47	662
HOUSEHOLD MEMBERS									
1.....	2.5	5.0	17	296	17.38	.5	10.3	35	550
2.....	4.9	7.2	24	396	16.22	.6	15.0	51	665
3 OR MORE.....	7.3	9.6	33	533	16.28	.6	25.9	88	1163
MAIN HEATING FUEL									
NATURAL GAS.....	10.4	6.0	21	368	17.87	-	-	-	-
ELECTRICITY.....	1.7	17.4	59	803	13.54	1.7	17.4	59	803
FUEL OIL.....	1.1	9.7	33	499	15.10	-	-	-	-
OTHER.....	1.5	9.6	33	546	16.69	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Average Residential 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 HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE 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)
HOT WATER FUEL									
NATURAL GAS.....	10.2	6.0	20	368	17.98	0.3	8.0	27	394
ELECTRICITY.....	3.7	13.7	47	673	14.39	1.4	19.1	65	882
FUEL OIL.....	.2	5.1	17	265	15.29	Q	Q	Q	Q
OTHER.....	.7	7.6	26	439	16.97	Q	Q	Q	Q
OWNERSHIP OF ELECTRIC UTILITY									
PRIVATELY OWNED.....	11.1	8.0	27	446	16.37	1.1	19.4	66	865
PUBLICLY OWNED.....	1.2	7.8	27	396	14.92	.2	15.3	52	647
CUSTOMER OWNED.....	.5	14.9	51	807	15.91	.2	23.0	78	1233
UNKNOWN.....	2.0	6.3	21	382	17.87	.3	7.7	26	414
ALL ELECTRIC HOME									
YES.....	1.4	19.1	65	882	13.53	1.4	19.1	65	882
NO.....	13.4	6.8	23	401	17.21	.3	9.8	34	456
MAIN HEATING EQUIPMENT USING ELECTRICITY									
CENTRAL WARM AIR.....	.4	16.0	54	726	13.33	.4	16.0	54	726
HEAT PUMP.....	.2	25.3	86	1022	11.85	.2	25.3	86	1022
WALL UNITS.....	1.1	16.3	56	784	14.07	1.1	16.3	56	784
PIPELESS FURNACE.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
PORTABLE HEATERS.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
NONE/OTHER.....	13.1	6.8	23	402	17.29	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD.....	3.1	8.6	29	452	15.31	.3	19.3	66	993
<2,000 CDD AND 5,500 TO 7,000 HDD.....	10.2	7.7	26	439	16.65	1.2	16.9	58	770
<2,000 CDD AND 4,000 TO 5,499 HDD.....	1.5	8.4	29	487	16.95	.2	17.5	60	748
<2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Average Residential 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 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.....	6.3	9.1	31	485	15.57	0.4	21.8	75	940
AREA TYPE									
URBAN.....	3.7	7.9	27	428	15.88	.1	12.4	42	602
RURAL.....	2.5	10.9	37	568	15.25	.4	23.4	80	995
SMSA STATUS									
SMSA.....	3.1	9.9	34	505	14.92	.2	24.0	82	1045
NON-SMSA.....	3.2	8.4	29	465	16.31	.2	19.0	65	808
ELECTRICITY PAID BY HOUSEHOLD									
YES.....	6.0	9.3	32	493	15.52	.4	22.5	77	964
NO.....	.3	5.4	18	319	17.47	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	5.3	9.8	34	521	15.49	.4	23.2	79	997
2 OR MORE UNITS.....	1.0	5.1	18	287	16.42	.1	13.5	46	593
NUMBER OF ROOMS									
1 TO 3.....	.6	5.3	18	303	16.61	Q	Q	Q	Q
4 TO 5.....	2.9	7.7	26	417	15.91	.2	18.3	62	802
6 OR MORE.....	2.8	11.4	39	591	15.24	.2	26.4	90	1125
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	3.3	11.0	38	564	14.96	.3	22.8	78	985
SOME.....	1.3	7.3	25	398	16.08	Q	Q	Q	Q
NONE.....	1.6	6.7	23	393	17.20	Q	Q	Q	Q
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	1.8	6.0	21	333	16.21	.1	14.0	48	635
1,000 TO 1,999.....	2.4	9.5	32	507	15.63	.2	21.2	72	896
2,000 OR MORE.....	2.0	11.5	39	596	15.22	.1	26.9	92	1166
YEAR HOUSE BUILT									
1939 OR EARLIER.....	2.3	7.0	24	404	16.80	Q	Q	Q	Q
1940 TO 1959.....	1.5	9.7	33	505	15.32	Q	Q	Q	Q
1960 OR LATER.....	2.4	10.8	37	551	14.94	0.4	20.5	70	904
OWN/RENT									
OWN.....	4.7	10.1	35	535	15.46	.3	23.9	82	1017
RENT.....	1.6	6.1	21	335	16.13	.1	15.9	54	719
1979 FAMILY INCOME									
LESS THAN \$10,000.....	1.9	5.9	20	333	16.43	.1	16.5	56	721
\$10,000 TO \$19,999.....	1.9	9.3	32	484	15.33	.1	19.8	68	851
\$20,000 TO \$34,999.....	1.6	11.2	38	567	14.85	.1	26.5	91	1051
\$35,000 OR MORE.....	.8	11.9	40	662	16.38	.1	23.3	79	1204
TOTAL POOR (100 PERCENT LEVEL)..	.6	6.4	22	349	16.04	Q	Q	Q	Q
TOTAL POOR (125 PERCENT LEVEL)..	.9	6.1	21	336	16.15	.1	16.5	56	713
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	2.1	8.4	29	455	15.82	.2	22.8	78	1030
35 TO 59 YEARS.....	2.4	11.3	39	583	15.14	.1	24.9	85	996
60 YEARS AND OVER.....	1.8	7.1	24	389	16.13	.1	15.9	54	705
HOUSEHOLD MEMBERS									
1.....	1.0	5.3	18	304	16.87	.1	14.0	48	610
2.....	2.3	7.7	26	415	15.71	.1	19.9	68	839
3 OR MORE.....	3.0	11.4	39	594	15.31	.2	25.1	86	1094
MAIN HEATING FUEL									
NATURAL GAS.....	4.5	7.8	27	430	16.13	-	-	-	-
ELECTRICITY.....	.4	21.8	75	940	12.62	.4	21.8	75	940
FUEL OIL.....	.4	11.7	40	674	16.88	-	-	-	-
OTHER.....	.9	8.8	30	472	15.63	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Average Residential 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 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)
HOT WATER FUEL									
NATURAL GAS.....	4.2	7.7	26	423	16.20	Q	Q	Q	Q
ELECTRICITY.....	1.5	13.4	46	661	14.45	0.4	21.8	74	937
FUEL OIL.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER.....	.6	8.4	29	463	16.24	Q	Q	Q	Q
OWNERSHIP OF ELECTRIC UTILITY									
PRIVATELY OWNED.....	3.5	8.9	30	463	15.28	.2	22.0	75	885
PUBLICLY OWNED.....	1.1	8.1	28	451	16.27	Q	Q	Q	Q
CUSTOMER OWNED.....	1.0	11.5	39	611	15.60	.2	22.4	76	959
UNKNOWN.....	.7	8.5	29	463	16.00	.1	19.6	67	1039
ALL ELECTRIC HOME									
YES.....	.4	21.8	74	937	12.62	.4	21.8	74	937
NO.....	5.9	8.3	28	454	16.10	Q	Q	Q	Q
MAIN HEATING EQUIPMENT USING ELECTRICITY									
CENTRAL WARM AIR.....	.2	24.6	84	1079	12.86	.2	24.6	84	1079
HEAT PUMP.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
WALL UNITS.....	.1	15.7	54	698	13.02	.1	15.7	54	698
PIPELESS FURNACE.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
PORTABLE HEATERS.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
NONE/OTHER.....	5.9	8.3	28	455	16.07	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD.....	2.2	8.2	28	469	16.71	.1	17.1	58	949
<2,000 CDD AND 5,500 TO 7,000 HDD.....	1.5	7.8	27	437	16.45	Q	Q	Q	Q
<2,000 CDD AND 4,000 TO 5,499 HDD.....	2.6	10.6	36	524	14.48	.3	23.0	78	934
<2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Average Residential Electricity Consumption and Expenditures

Table 5. (Continued)
Census Region: South

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.....	26.9	11.5	39	593	15.10	7.7	16.7	57	834
AREA TYPE									
URBAN.....	15.7	10.7	37	563	15.38	4.2	14.4	49	742
RURAL.....	11.3	12.6	43	634	14.76	3.5	19.5	67	943
SMSA STATUS									
SMSA.....	15.3	11.6	39	606	15.37	5.0	15.5	53	804
NON-SMSA.....	11.6	11.4	39	575	14.74	2.7	18.9	65	889
ELECTRICITY PAID BY HOUSEHOLD									
YES.....	25.2	11.9	40	609	15.05	7.1	17.4	59	868
NO.....	1.7	6.3	21	349	16.26	.7	9.3	32	462
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	22.1	12.3	42	630	14.98	5.3	19.6	67	970
2 OR MORE UNITS.....	4.8	7.7	26	420	15.94	2.4	10.2	35	531
NUMBER OF ROOMS									
1 TO 3	3.1	6.5	22	354	15.99	1.4	8.3	28	445
4 TO 5.....	12.4	10.0	34	516	15.14	3.3	15.1	52	740
6 OR MORE.....	11.5	14.5	49	739	14.96	3.1	22.1	75	1106
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	15.3	14.0	48	702	14.72	6.2	17.3	59	865
SOME.....	4.7	9.7	33	524	15.83	.7	14.1	48	673
NONE.....	7.0	7.3	25	398	16.01	.9	14.4	49	745
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	9.9	8.0	27	424	15.62	2.8	11.0	37	551
1,000 TO 1,999.....	12.3	12.3	42	630	15.07	3.5	17.8	61	900
2,000 OR MORE.....	4.7	17.1	58	854	14.64	1.4	25.2	86	1223
YEAR HOUSE BUILT									
1939 OR EARLIER.....	4.9	7.8	27	424	15.93	0.4	14.5	50	749
1940 TO 1959.....	7.6	10.1	34	524	15.20	1.0	16.2	55	799
1960 OR LATER.....	14.5	13.5	46	686	14.89	6.4	16.9	58	844
OWN/RENT									
OWN.....	18.7	12.9	44	657	14.95	5.0	19.5	67	974
RENT.....	8.3	8.4	29	446	15.60	2.7	11.4	39	572
1979 FAMILY INCOME									
LESS THAN \$10,000.....	9.0	8.3	28	433	15.35	2.2	12.7	43	628
\$10,000 TO \$19,999.....	8.1	10.9	37	559	15.02	2.3	15.3	52	762
\$20,000 TO \$34,999.....	6.7	13.8	47	694	14.71	2.2	18.5	63	898
\$35,000 OR MORE.....	3.1	17.5	60	926	15.54	1.1	24.2	82	1268
TOTAL POOR (100 PERCENT LEVEL)..	4.9	8.2	28	434	15.55	1.0	13.9	47	707
TOTAL POOR (125 PERCENT LEVEL)..	6.0	8.3	28	438	15.53	1.2	13.9	48	698
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	8.9	10.8	37	560	15.24	3.0	14.5	50	734
35 TO 59 YEARS.....	10.7	13.3	45	678	14.95	2.7	19.8	68	982
60 YEARS AND OVER.....	7.3	9.8	33	509	15.19	2.0	15.6	53	780
HOUSEHOLD MEMBERS									
1.....	5.3	7.4	25	397	15.75	1.7	11.4	39	571
2.....	8.7	10.8	37	561	15.18	2.7	14.5	49	737
3 OR MORE.....	13.0	13.6	47	693	14.91	3.3	21.4	73	1054
MAIN HEATING FUEL									
NATURAL GAS.....	11.8	9.4	32	483	15.06	-	-	-	-
ELECTRICITY.....	7.7	16.7	57	834	14.63	7.7	16.7	57	834
FUEL OIL.....	2.5	9.6	33	568	17.27	-	-	-	-
OTHER.....	4.9	9.3	32	488	15.36	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Average Residential Electricity Consumption and Expenditures

Table 5. (Continued)
Census Region: South

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)
HOT WATER FUEL									
NATURAL GAS.....	11.3	9.1	31	477	15.36	0.7	11.5	39	606
ELECTRICITY.....	13.2	14.4	49	720	14.66	6.9	17.3	59	860
FUEL OIL.....	.7	7.2	24	519	21.24	.1	5.1	17	324
OTHER.....	1.8	7.1	24	411	17.00	.1	15.5	53	892
OWNERSHIP OF ELECTRIC UTILITY									
PRIVATELY OWNED.....	14.7	11.3	38	606	15.77	3.8	16.6	57	887
PUBLICLY OWNED.....	3.7	13.4	46	629	13.74	1.2	18.2	62	832
CUSTOMER OWNED.....	3.6	13.0	44	620	13.97	1.2	19.8	68	885
UNKNOWN.....	4.9	9.7	33	505	15.26	1.5	13.5	46	665
ALL ELECTRIC HOME									
YES.....	6.7	17.6	60	871	14.50	6.7	17.6	60	871
NO.....	20.2	9.5	32	500	15.46	1.0	10.8	37	591
MAIN HEATING EQUIPMENT USING ELECTRICITY									
CENTRAL WARM AIR.....	3.8	16.6	57	834	14.70	3.8	16.6	57	834
HEAT PUMP.....	1.4	19.9	68	1022	15.01	1.4	19.9	68	1022
WALL UNITS.....	1.6	16.9	58	807	14.03	1.6	16.9	58	807
PIPELESS FURNACE.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
PORTABLE HEATERS.....	.6	11.5	39	588	14.97	.6	11.5	39	588
NONE/OTHER.....	19.4	9.4	32	496	15.43	.2	10.4	36	542
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.....	5.9	10.0	34	548	16.01	1.3	17.9	61	896
<2,000 CDD AND <4,000 HDD.....	10.0	11.5	39	550	13.98	2.4	18.4	63	805
>2,000 CDD AND <4,000 HDD.....	11.0	12.3	42	656	15.65	4.1	15.3	52	831

SEE FOOTNOTES AT END OF TABLE.



Average Residential Electricity Consumption and Expenditures

Table 5. (Continued)
Census Division:
South 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.....	14.0	10.8	37	604	16.33	4.3	15.8	54	877
AREA TYPE									
URBAN.....	7.4	9.7	33	565	17.00	2.3	13.1	45	774
RURAL.....	6.7	12.1	41	647	15.73	2.1	18.8	64	990
SMSA STATUS									
SMSA.....	8.1	11.2	38	639	16.67	3.2	15.0	51	852
NON-SMSA.....	6.0	10.3	35	557	15.83	1.2	17.7	61	944
ELECTRICITY PAID BY HOUSEHOLD									
YES.....	13.2	11.2	38	622	16.26	4.2	16.0	55	889
NO.....	.8	4.9	17	319	19.14	.1	8.1	28	491
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	11.2	11.7	40	647	16.24	3.0	18.3	62	1014
2 OR MORE UNITS.....	2.8	7.5	26	433	16.92	1.3	10.0	34	560
NUMBER OF ROOMS									
1 TO 3.....	1.5	5.8	20	342	17.32	.7	7.6	26	446
4 TO 5.....	6.1	9.2	32	512	16.24	1.8	13.8	47	747
6 OR MORE.....	6.4	13.6	46	754	16.29	1.9	20.7	71	1160
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	6.9	13.5	46	741	16.06	3.4	16.4	56	909
SOME.....	2.7	9.4	32	548	17.05	.4	11.8	40	657
NONE.....	4.5	7.6	26	430	16.53	.6	14.7	50	833
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	5.2	7.5	26	428	16.67	1.5	10.0	34	557
1,000 TO 1,999.....	6.2	11.5	39	644	16.44	2.1	16.6	57	932
2,000 OR MORE.....	2.6	15.8	54	856	15.84	.8	24.4	83	1332
YEAR HOUSE BUILT									
1939 OR EARLIER.....	3.0	7.8	27	451	16.87	0.2	13.6	47	782
1940 TO 1959.....	3.8	9.6	33	529	16.11	.6	15.0	51	804
1960 OR LATER.....	7.3	12.7	43	706	16.28	3.5	16.1	55	897
OWN/RENT									
OWN.....	9.6	12.1	41	673	16.30	3.1	18.0	61	1005
RENT.....	4.5	8.1	28	456	16.44	1.3	10.6	36	574
1979 FAMILY INCOME									
LESS THAN \$10,000.....	4.4	7.9	27	451	16.82	1.0	11.4	39	677
\$10,000 TO \$19,999.....	4.4	10.4	36	569	15.99	1.3	14.7	50	790
\$20,000 TO \$34,999.....	3.5	12.5	43	666	15.63	1.3	16.4	56	856
\$35,000 OR MORE.....	1.7	16.1	55	955	17.39	.7	22.9	78	1366
TOTAL POOR (100 PERCENT LEVEL)..	2.5	8.0	27	457	16.70	.4	13.9	48	826
TOTAL POOR (125 PERCENT LEVEL)..	3.0	8.2	28	470	16.74	.5	13.8	47	824
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	4.5	10.1	35	570	16.48	1.6	13.5	46	750
35 TO 59 YEARS.....	5.8	12.2	42	672	16.14	1.5	18.9	65	1047
60 YEARS AND OVER.....	3.7	9.6	33	539	16.53	1.2	14.8	50	829
HOUSEHOLD MEMBERS									
1.....	2.8	6.5	22	384	17.29	.9	9.7	33	548
2.....	4.5	10.4	35	580	16.37	1.7	13.9	47	775
3 OR MORE.....	6.7	13.0	44	712	16.11	1.7	21.1	72	1164
MAIN HEATING FUEL									
NATURAL GAS.....	4.0	8.0	27	425	15.62	-	-	-	-
ELECTRICITY.....	4.3	15.8	54	877	16.29	4.3	15.8	54	877
FUEL OIL.....	2.4	9.7	33	574	17.41	-	-	-	-
OTHER.....	3.3	8.7	30	483	16.35	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Average Residential Electricity Consumption and Expenditures

Table 5. (Continued)
Census Division:
South 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)
HOT WATER FUEL									
NATURAL GAS.....	3.8	7.4	25	406	16.13	0.2	8.6	29	502
ELECTRICITY.....	8.5	13.3	45	725	16.02	4.0	16.3	56	903
FUEL OIL.....	.7	7.2	24	519	21.24	.1	5.1	17	324
OTHER.....	1.0	6.3	21	402	18.71	.1	15.7	54	988
OWNERSHIP OF ELECTRIC UTILITY									
PRIVATELY OWNED.....	8.2	11.1	38	617	16.29	2.7	16.2	55	904
PUBLICLY OWNED.....	1.9	11.3	39	625	16.22	.6	13.9	47	776
CUSTOMER OWNED.....	1.8	11.5	39	614	15.62	.4	19.0	65	962
UNKNOWN.....	2.2	8.9	30	530	17.37	.6	13.6	47	802
ALL ELECTRIC HOME									
YES.....	3.9	16.6	57	918	16.19	3.9	16.6	57	918
NO.....	10.2	8.6	29	485	16.44	.5	8.9	30	542
MAIN HEATING EQUIPMENT USING ELECTRICITY									
CENTRAL WARM AIR.....	2.0	15.8	54	865	16.04	2.0	15.8	54	865
HEAT PUMP.....	.9	18.5	63	1068	16.93	.9	18.5	63	1068
WALL UNITS.....	.9	17.2	59	921	15.72	.9	17.2	59	921
PIPELESS FURNACE.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
PORTABLE HEATERS.....	.4	9.0	31	560	18.30	.4	9.0	31	560
NONE/OTHER.....	9.8	8.6	29	482	16.38	.2	8.9	30	514
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.....	4.7	9.3	32	548	17.21	.8	16.6	57	938
<2,000 CDD AND <4,000 HDD.....	5.2	10.7	36	535	14.68	.9	18.3	62	853
>2,000 CDD AND <4,000 HDD.....	4.1	12.8	44	754	17.33	2.6	14.6	50	868

SEE FOOTNOTES AT END OF TABLE.



Average Residential 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 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.....	5.1	13.7	47	592	12.62	1.8	19.7	67	807
AREA TYPE									
URBAN.....	2.6	12.8	44	553	12.61	.7	19.0	65	766
RURAL.....	2.6	14.7	50	632	12.63	1.1	20.2	69	836
SMSA STATUS									
SMSA.....	2.0	13.5	46	571	12.39	.7	19.7	67	807
NON-SMSA.....	3.1	13.9	47	606	12.77	1.2	19.7	67	808
ELECTRICITY PAID BY HOUSEHOLD									
YES.....	4.8	14.1	48	610	12.65	1.6	21.0	72	862
NO.....	.4	8.5	29	351	12.05	.2	10.2	35	399
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	4.4	14.7	50	630	12.54	1.5	21.5	73	872
2 OR MORE UNITS.....	.8	8.1	27	373	13.56	.3	12.1	41	519
NUMBER OF ROOMS									
1 TO 3.....	.6	7.2	25	331	13.42	.3	9.3	32	397
4 TO 5.....	2.3	11.9	41	520	12.83	.8	17.8	61	740
6 OR MORE.....	2.3	17.3	59	732	12.40	.8	24.9	85	1003
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	3.3	15.8	54	674	12.50	1.4	20.6	70	844
SOME.....	.8	12.0	41	526	12.87	.2	17.8	61	711
NONE.....	1.1	8.7	30	390	13.09	.2	16.7	57	683
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	1.8	9.4	32	419	13.02	.6	14.2	48	583
1,000 TO 1,999.....	2.4	14.6	50	626	12.61	.8	20.5	70	851
2,000 OR MORE.....	1.0	19.5	66	818	12.32	.4	25.6	87	1022
YEAR HOUSE BUILT									
1939 OR EARLIER.....	0.9	9.0	31	394	12.88	0.1	19.1	65	773
1940 TO 1959.....	1.3	11.7	40	515	12.93	.2	19.3	66	741
1960 OR LATER.....	2.9	16.2	55	688	12.48	1.6	19.8	68	818
OWN/RENT									
OWN.....	3.8	15.2	52	648	12.53	1.3	22.0	75	895
RENT.....	1.4	10.0	34	442	13.02	.6	14.5	49	607
1979 FAMILY INCOME									
LESS THAN \$10,000.....	2.2	10.7	37	464	12.69	.7	15.7	54	629
\$10,000 TO \$19,999.....	1.4	12.9	44	558	12.67	.4	18.8	64	787
\$20,000 TO \$34,999.....	1.1	17.5	60	766	12.86	.4	23.7	81	1008
\$35,000 OR MORE.....	.4	23.2	79	934	11.82	.2	27.0	92	1053
TOTAL POOR (100 PERCENT LEVEL)..	1.1	10.2	35	450	12.88	.3	14.6	50	585
TOTAL POOR (125 PERCENT LEVEL)..	1.4	10.3	35	451	12.79	.5	14.8	50	599
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	1.5	13.4	46	576	12.63	.4	20.9	71	852
35 TO 59 YEARS.....	2.0	16.3	56	705	12.69	.8	22.3	76	916
60 YEARS AND OVER.....	1.6	11.0	37	467	12.48	.6	15.1	52	613
HOUSEHOLD MEMBERS									
1.....	1.0	8.1	28	365	13.24	.3	12.2	42	515
2.....	1.7	12.6	43	547	12.75	.6	18.0	61	738
3 OR MORE.....	2.4	16.9	58	718	12.44	.9	23.7	81	963
MAIN HEATING FUEL									
NATURAL GAS.....	2.2	10.0	34	460	13.53	-	-	-	-
ELECTRICITY.....	1.8	19.7	67	807	11.99	1.8	19.7	67	807
FUEL OIL.....	.1	9.8	33	433	12.97	-	-	-	-
OTHER.....	1.0	11.5	39	504	12.67	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Average Residential 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 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)
HOT WATER FUEL									
NATURAL GAS.....	1.8	9.3	32	440	13.88	0.1	10.8	37	501
ELECTRICITY.....	3.1	16.8	57	699	12.17	1.7	20.3	69	827
FUEL OIL.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER.....	.3	8.6	29	400	13.61	Q	Q	Q	Q
OWNERSHIP OF ELECTRIC UTILITY									
PRIVATELY OWNED.....	1.6	11.3	38	567	14.76	.3	20.0	68	941
PUBLICLY OWNED.....	1.6	16.1	55	638	11.59	.5	23.4	80	889
CUSTOMER OWNED.....	1.3	15.7	54	652	12.18	.7	20.2	69	831
UNKNOWN.....	.7	10.3	35	431	12.25	.4	13.8	47	547
ALL ELECTRIC HOME									
YES.....	1.7	20.3	69	827	11.94	1.7	20.3	69	827
NO.....	3.4	10.5	36	475	13.29	.1	11.6	39	526
MAIN HEATING EQUIPMENT USING ELECTRICITY									
CENTRAL WARM AIR.....	.6	19.5	66	838	12.60	.6	19.5	66	838
HEAT PUMP.....	.4	23.6	80	963	11.98	.4	23.6	80	963
WALL UNITS.....	.6	17.7	60	699	11.61	.6	17.7	60	699
PIPELESS FURNACE.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
PORTABLE HEATERS.....	.2	18.0	61	694	11.32	.2	18.0	61	694
NONE/OTHER.....	3.3	10.5	36	475	13.26	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.....	1.2	12.7	43	544	12.55	.5	20.1	69	828
<2,000 CDD AND <4,000 HDD.....	3.1	14.5	50	609	12.27	1.1	20.0	68	806
>2,000 CDD AND <4,000 HDD.....	.9	12.4	42	599	14.21	.2	17.4	59	768

SEE FOOTNOTES AT END OF TABLE.



Average Residential 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 HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)	AVG. PRICE 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.....	7.7	11.2	38	572	14.95	1.6	15.7	54	744
AREA TYPE									
URBAN.....	5.7	11.0	38	565	14.99	1.2	13.9	48	667
RURAL.....	2.0	11.7	40	592	14.83	.4	21.6	74	1000
SMSA STATUS									
SMSA.....	5.2	11.3	39	569	14.75	1.2	14.3	49	673
NON-SMSA.....	2.5	11.0	38	579	15.37	.4	20.1	69	969
ELECTRICITY PAID BY HOUSEHOLD									
YES.....	7.2	11.5	39	585	14.87	1.2	17.4	59	806
NO.....	.5	6.9	24	393	16.63	.3	9.1	31	494
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	6.5	11.8	40	601	14.90	.8	21.4	73	985
2 OR MORE UNITS.....	1.2	8.0	27	420	15.31	.8	9.7	33	486
NUMBER OF ROOMS									
1 TO 3.....	1.0	7.1	24	387	15.92	.4	9.0	31	472
4 TO 5.....	4.0	10.0	34	518	15.14	.7	15.5	53	722
6 OR MORE.....	2.8	14.3	49	712	14.59	.4	23.0	78	1062
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	5.2	13.4	46	669	14.60	1.4	16.4	56	775
SOME.....	1.2	8.8	30	470	15.58	.1	14.0	48	636
NONE.....	1.4	5.2	18	305	17.30	.1	6.1	21	322
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	3.0	7.8	27	420	15.74	.7	10.3	35	514
1,000 TO 1,999.....	3.7	12.1	41	608	14.77	.6	18.1	62	862
2,000 OR MORE.....	1.0	18.0	62	885	14.38	.2	27.9	95	1209
YEAR HOUSE BUILT									
1939 OR EARLIER.....	1.1	6.7	23	374	16.39	Q	Q	Q	Q
1940 TO 1959.....	2.4	10.0	34	520	15.23	0.2	17.3	59	852
1960 OR LATER.....	4.2	13.0	44	651	14.64	1.4	15.7	54	739
OWN/RENT									
OWN.....	5.4	12.7	43	636	14.68	.7	21.8	74	982
RENT.....	2.4	7.9	27	429	15.89	.8	10.7	37	547
1979 FAMILY INCOME									
LESS THAN \$10,000.....	2.5	6.8	23	373	16.06	.4	10.1	34	501
\$10,000 TO \$19,999.....	2.3	10.6	36	540	14.94	.5	14.1	48	668
\$20,000 TO \$34,999.....	2.0	14.1	48	702	14.59	.5	19.3	66	914
\$35,000 OR MORE.....	1.0	17.7	60	873	14.48	.1	25.5	87	1135
TOTAL POOR (100 PERCENT LEVEL)..	1.3	6.8	23	376	16.30	.2	12.9	44	658
TOTAL POOR (125 PERCENT LEVEL)..	1.6	6.6	23	368	16.34	.3	12.7	43	646
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	2.9	10.3	35	535	15.16	1.0	13.3	45	653
35 TO 59 YEARS.....	2.9	13.4	46	671	14.67	.4	18.4	63	858
60 YEARS AND OVER.....	2.0	9.4	32	485	15.18	.2	22.0	75	952
HOUSEHOLD MEMBERS									
1.....	1.5	8.6	29	443	15.11	.5	14.4	49	661
2.....	2.5	10.4	36	536	15.05	.4	12.1	41	584
3 OR MORE.....	3.8	12.7	43	645	14.85	.7	18.9	64	902
MAIN HEATING FUEL									
NATURAL GAS.....	5.6	10.2	35	534	15.33	-	-	-	-
ELECTRICITY.....	1.6	15.7	54	744	13.87	1.6	15.7	54	744
FUEL OIL.....	Q	Q	Q	Q	Q	-	-	-	-
OTHER.....	.6	9.1	31	487	15.68	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Average Residential 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 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)
HOT WATER FUEL									
NATURAL GAS.....	5.7	10.2	35	536	15.42	0.4	13.2	45	693
ELECTRICITY.....	1.6	15.8	54	736	13.70	1.2	16.5	56	763
FUEL OIL.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER.....	.5	7.9	27	436	16.11	Q	Q	Q	Q
OWNERSHIP OF ELECTRIC UTILITY									
PRIVATELY OWNED.....	4.9	11.5	39	601	15.24	.9	16.6	57	815
PUBLICLY OWNED.....	.3	12.4	42	601	14.18	Q	Q	Q	Q
CUSTOMER OWNED.....	.5	11.0	38	553	14.71	.1	21.7	74	894
UNKNOWN.....	2.1	10.3	35	504	14.33	.6	13.2	45	594
ALL ELECTRIC HOME									
YES.....	1.1	16.9	58	778	13.46	1.1	16.9	58	778
NO.....	6.6	10.3	35	538	15.36	.4	12.7	43	659
MAIN HEATING EQUIPMENT USING ELECTRICITY									
CENTRAL WARM AIR.....	1.3	16.5	56	785	13.91	1.3	16.5	56	785
HEAT PUMP.....	.1	16.0	55	741	13.56	.1	16.0	55	741
WALL UNITS.....	.1	10.3	35	493	14.02	.1	10.3	35	493
PIPELESS FURNACE.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
PORTABLE HEATERS.....	.1	11.1	38	490	12.87	.1	11.1	38	490
NONE/OTHER.....	6.2	10.1	34	529	15.36	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.....	-	-	-	-	-	-	-	-	-
<2,000 CDD AND <4,000 HDD.....	1.8	8.8	30	493	16.45	.3	11.9	40	630
>2,000 CDD AND <4,000 HDD.....	6.0	11.9	41	595	14.62	1.3	16.5	56	766

SEE FOOTNOTES AT END OF TABLE.



Average Residential Electricity Consumption and Expenditures

Table 5. (Continued)
Census Region: West

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.....	15.9	7.6	26	371	14.34	2.9	13.6	46	445
AREA TYPE									
URBAN.....	13.0	6.8	23	349	14.98	2.1	11.9	41	407
RURAL.....	3.0	10.9	37	469	12.60	.8	18.3	62	548
SMSA STATUS									
SMSA.....	12.6	7.0	24	365	15.30	2.1	12.0	41	448
NON-SMSA.....	3.4	9.8	33	393	11.79	.8	17.7	60	437
ELECTRICITY PAID BY HOUSEHOLD									
YES.....	14.7	7.8	27	380	14.29	2.5	14.4	49	466
NO.....	1.2	5.3	18	273	15.15	.3	6.7	23	272
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	11.9	8.4	29	416	14.48	1.7	16.7	57	532
2 OR MORE UNITS.....	4.1	5.2	18	241	13.69	1.2	9.0	31	316
NUMBER OF ROOMS									
1 TO 3.....	2.6	4.5	15	202	13.25	.9	7.2	24	264
4 TO 5.....	7.1	7.2	24	346	14.13	1.3	14.1	48	478
6 OR MORE.....	6.2	9.4	32	472	14.74	.6	22.0	75	637
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	4.0	8.4	29	484	16.86	.9	11.8	40	568
SOME.....	1.8	7.0	24	363	15.16	.3	10.8	37	410
NONE.....	10.2	7.4	25	329	13.08	1.6	15.2	52	382
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	6.4	5.8	20	283	14.35	1.6	10.0	34	337
1,000 TO 1,999.....	6.6	8.2	28	403	14.43	1.0	16.6	57	567
2,000 OR MORE.....	2.9	10.2	35	494	14.17	.3	23.3	79	630
YEAR HOUSE BUILT									
1939 OR EARLIER.....	2.8	5.8	20	293	14.77	0.2	13.6	46	361
1940 TO 1959.....	4.5	6.8	23	340	14.71	.4	14.5	50	394
1960 OR LATER.....	8.7	8.6	29	412	14.09	2.3	13.5	46	459
OWN/RENT									
OWN.....	10.1	8.7	30	429	14.45	1.3	18.0	61	579
RENT.....	5.9	5.7	19	272	14.06	1.5	9.7	33	326
1979 FAMILY INCOME									
LESS THAN \$10,000.....	4.4	6.0	21	283	13.73	.8	11.3	39	343
\$10,000 TO \$19,999.....	4.8	7.3	25	354	14.19	1.0	12.9	44	430
\$20,000 TO \$34,999.....	4.5	8.6	29	418	14.16	.8	16.3	56	544
\$35,000 OR MORE.....	2.3	9.1	31	486	15.71	.3	15.2	52	524
TOTAL POOR (100 PERCENT LEVEL)..	1.8	6.3	21	295	13.81	.4	11.2	38	341
TOTAL POOR (125 PERCENT LEVEL)..	2.4	6.3	21	287	13.46	.5	10.9	37	335
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	5.8	7.1	24	343	14.18	1.5	12.1	41	428
35 TO 59 YEARS.....	6.3	8.4	29	417	14.55	.7	17.8	61	539
60 YEARS AND OVER.....	3.9	7.0	24	339	14.19	.7	12.8	44	389
HOUSEHOLD MEMBERS									
1.....	3.4	5.2	18	243	13.68	.9	9.0	31	325
2.....	5.4	7.0	24	335	14.09	.9	12.9	44	417
3 OR MORE.....	7.1	9.2	31	460	14.66	1.0	18.4	63	577
MAIN HEATING FUEL									
NATURAL GAS.....	11.1	5.9	20	344	17.22	-	-	-	-
ELECTRICITY.....	2.9	13.6	46	445	9.59	2.9	13.6	46	445
FUEL OIL.....	.5	11.4	39	332	8.52	-	-	-	-
OTHER.....	1.5	7.7	26	448	16.98	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Average Residential Electricity Consumption and Expenditures

Table 5. (Continued)
Census Region: West

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 PER MILLION BTU (DOLLARS)	NUMBER OF HOUSEHOLDS (MILLIONS)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (THOUSAND KWH)	AVG. AMOUNT CONSUMED PER HOUSEHOLD (MILLION BTU)	AVG. EXPENDITURES PER HOUSEHOLD (DOLLARS)
HOT WATER FUEL									
NATURAL GAS.....	11.3	5.6	19	342	17.93	0.4	5.7	19	336
ELECTRICITY.....	3.8	13.8	47	443	9.41	2.3	15.4	53	468
FUEL OIL.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER.....	.8	6.2	21	442	20.72	.1	7.1	24	379
OWNERSHIP OF ELECTRIC UTILITY									
PRIVATELY OWNED.....	9.3	7.2	25	381	15.46	1.3	11.6	40	460
PUBLICLY OWNED.....	3.0	8.9	30	341	11.21	.8	17.5	60	510
CUSTOMER OWNED.....	.6	12.2	42	425	10.23	.2	19.7	67	481
UNKNOWN.....	2.9	6.4	22	361	16.59	.5	10.1	34	287
ALL ELECTRIC HOME									
YES.....	2.3	15.4	53	469	8.92	2.3	15.4	53	469
NO.....	13.7	6.3	21	355	16.57	.6	6.4	22	348
MAIN HEATING EQUIPMENT USING ELECTRICITY									
CENTRAL WARM AIR.....	1.0	13.7	47	493	10.51	1.0	13.7	47	493
HEAT PUMP.....	.3	17.1	58	842	14.45	.3	17.1	58	842
WALL UNITS.....	1.3	13.9	47	363	7.66	1.3	13.9	47	363
PIPELESS FURNACE.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
PORTABLE HEATERS.....	.2	7.7	26	253	9.65	.2	7.7	26	253
NONE/OTHER.....	13.1	6.3	21	355	16.59	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	7.1	24	327	13.54	.1	13.0	44	514
<2,000 CDD AND 5,500 TO 7,000 HDD.....	1.4	9.5	32	352	10.82	.3	19.6	67	476
<2,000 CDD AND 4,000 TO 5,499 HDD.....	3.0	12.8	44	358	8.19	1.3	17.0	58	384
<2,000 CDD AND <4,000 HDD.....	9.0	5.4	18	345	18.90	.8	5.6	19	333
>2,000 CDD AND <4,000 HDD.....	1.1	9.8	33	711	21.33	.4	14.4	49	829

SEE FOOTNOTES AT END OF TABLE.



Average Residential Electricity Consumption and Expenditures

Table 5. (Continued)
Census Division: Mountain

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.....	4.1	7.9	27	416	15.50	0.7	13.7	47	690
AREA TYPE									
URBAN.....	2.9	7.4	25	411	16.21	.5	12.6	43	678
RURAL.....	1.2	8.9	30	427	14.00	.2	15.9	54	717
SMSA STATUS									
SMSA.....	2.6	7.7	26	457	17.45	.5	12.7	43	730
NON-SMSA.....	1.5	8.2	28	346	12.40	.1	17.2	59	545
ELECTRICITY PAID BY HOUSEHOLD									
YES.....	3.7	8.1	28	430	15.54	.6	13.8	47	701
NO.....	.4	5.5	19	283	14.96	q	q	q	q
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	3.4	8.3	28	429	15.23	.5	15.8	54	758
2 OR MORE UNITS.....	.7	6.0	21	353	17.19	.2	8.9	30	541
NUMBER OF ROOMS									
1 TO 3.....	.5	4.4	15	256	17.13	.1	6.8	23	398
4 TO 5.....	2.1	7.6	26	410	15.86	.4	13.4	46	689
6 OR MORE.....	1.4	9.6	33	483	14.80	.2	18.1	62	854
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	1.4	9.7	33	555	16.70	.5	13.2	45	736
SOME.....	.4	7.9	27	351	12.95	.1	11.3	39	448
NONE.....	2.3	6.7	23	342	14.94	.1	16.6	56	643
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	1.7	5.8	20	329	16.53	.3	9.3	32	527
1,000 TO 1,999.....	1.7	9.2	31	477	15.28	.3	16.4	56	800
2,000 OR MORE.....	.8	9.4	32	469	14.58	.1	19.8	67	883
YEAR HOUSE BUILT									
1939 OR EARLIER.....	0.7	6.1	21	295	14.19	q	q	q	q
1940 TO 1959.....	1.1	7.2	24	392	16.02	q	q	q	q
1960 OR LATER.....	2.3	8.7	30	462	15.55	0.6	13.6	46	696
OWN/RENT									
OWN.....	2.9	8.5	29	444	15.33	.4	15.5	53	775
RENT.....	1.2	6.3	21	344	16.06	.2	10.3	35	533
1979 FAMILY INCOME									
LESS THAN \$10,000.....	1.1	6.2	21	345	16.33	.2	10.7	36	540
\$10,000 TO \$19,999.....	1.5	7.6	26	397	15.27	.2	13.8	47	651
\$20,000 TO \$34,999.....	1.1	9.0	31	472	15.40	.2	15.0	51	806
\$35,000 OR MORE.....	.3	10.8	37	549	14.88	.1	15.8	54	811
TOTAL POOR (100 PERCENT LEVEL)..	.5	6.9	23	386	16.52	.1	14.6	50	685
TOTAL POOR (125 PERCENT LEVEL)..	.6	7.0	24	380	15.91	.1	14.9	51	650
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	1.6	8.0	27	426	15.58	.4	14.1	48	713
35 TO 59 YEARS.....	1.5	8.7	30	458	15.45	.1	15.1	52	767
60 YEARS AND OVER.....	.9	6.3	21	329	15.43	.1	10.2	35	509
HOUSEHOLD MEMBERS									
1.....	1.0	5.3	18	311	17.07	.2	8.9	30	508
2.....	1.4	7.1	24	386	16.02	.2	13.4	46	714
3 OR MORE.....	1.8	9.8	33	494	14.75	.3	17.3	59	807
MAIN HEATING FUEL									
NATURAL GAS.....	2.9	6.5	22	364	16.42	-	-	-	-
ELECTRICITY.....	.7	13.7	47	690	14.81	.7	13.7	47	690
FUEL OIL.....	.1	11.7	40	375	9.38	-	-	-	-
OTHER.....	.5	7.2	25	346	14.09	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Average Residential Electricity Consumption and Expenditures

Table 5. (Continued)
Census Division: Mountain

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)
HOT WATER FUEL									
NATURAL GAS.....	2.8	6.5	22	367	16.64	0.1	8.7	30	522
ELECTRICITY.....	.9	12.5	43	584	13.73	.6	14.0	48	695
FUEL OIL.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER.....	.3	7.0	24	369	15.37	Q	Q	Q	Q
OWNERSHIP OF ELECTRIC UTILITY									
PRIVATELY OWNED.....	2.5	7.6	26	395	15.24	.3	12.9	44	585
PUBLICLY OWNED.....	.7	10.8	37	579	15.76	.3	15.2	52	852
CUSTOMER OWNED.....	.3	7.4	25	425	16.89	Q	Q	Q	Q
UNKNOWN.....	.6	6.0	20	315	15.40	.1	10.3	35	475
ALL ELECTRIC HOME									
YES.....	.6	14.1	48	697	14.50	.6	14.1	48	697
NO.....	3.5	6.8	23	369	15.84	.1	11.0	38	650
MAIN HEATING EQUIPMENT USING ELECTRICITY									
CENTRAL WARM AIR.....	.3	11.6	40	649	16.39	.3	11.6	40	649
HEAT PUMP.....	.2	16.5	56	912	16.23	.2	16.5	56	912
WALL UNITS.....	.2	14.1	48	547	11.36	.2	14.1	48	547
PIPELESS FURNACE.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
PORTABLE HEATERS.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
NONE/OTHER.....	3.4	6.7	23	362	15.78	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD.....	1.3	7.0	24	326	13.58	.1	15.9	54	622
<2,000 CDD AND 5,500 TO 7,000 HDD.....	1.2	7.5	25	342	13.44	.1	13.9	47	480
<2,000 CDD AND 4,000 TO 5,499 HDD.....	.3	7.2	25	413	16.84	Q	Q	Q	Q
<2,000 CDD AND <4,000 HDD.....	.6	6.2	21	417	19.86	.1	6.9	23	466
>2,000 CDD AND <4,000 HDD.....	.7	11.6	40	698	17.60	.3	15.0	51	856

SEE FOOTNOTES AT END OF TABLE.



Average Residential Electricity Consumption and Expenditures

Table 5. (Continued)
Census Division: Pacific

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.....	11.8	7.5	26	356	13.92	2.2	13.6	46	370
AREA TYPE									
URBAN.....	10.0	6.7	23	331	14.57	1.6	11.7	40	331
RURAL.....	1.8	12.2	41	496	11.94	.6	19.2	65	483
SMSA STATUS									
SMSA.....	10.0	6.8	23	342	14.68	1.5	11.8	40	352
NON-SMSA.....	1.9	11.0	38	431	11.43	.6	17.8	61	413
ELECTRICITY PAID BY HOUSEHOLD									
YES.....	11.0	7.7	26	363	13.85	1.9	14.7	50	389
NO.....	.9	5.2	18	269	15.24	.3	6.0	21	237
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	8.5	8.5	29	410	14.19	1.2	17.1	58	448
2 OR MORE UNITS.....	3.3	5.0	17	217	12.75	.9	9.0	31	266
NUMBER OF ROOMS									
1 TO 3.....	2.1	4.5	15	188	12.30	.8	7.2	25	247
4 TO 5.....	4.9	7.0	24	318	13.32	.9	14.3	49	391
6 OR MORE.....	4.8	9.3	32	469	14.73	.4	23.6	81	548
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	2.6	7.7	26	446	16.98	.4	10.4	35	389
SOME.....	1.4	6.8	23	366	15.85	.3	10.7	36	401
NONE.....	7.9	7.6	26	325	12.59	1.5	15.1	51	358
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	4.7	5.8	20	267	13.58	1.3	10.2	35	295
1,000 TO 1,999.....	5.0	7.9	27	378	14.10	.6	16.7	57	449
2,000 OR MORE.....	2.1	10.5	36	504	14.03	.2	24.2	82	567
YEAR HOUSE BUILT									
1939 OR EARLIER.....	2.1	5.7	20	292	14.97	0.2	13.6	47	350
1940 TO 1959.....	3.4	6.6	23	323	14.24	.3	14.5	50	352
1960 OR LATER.....	6.4	8.5	29	395	13.56	1.7	13.4	46	375
OWN/RENT									
OWN.....	7.2	8.8	30	423	14.10	.9	19.2	66	485
RENT.....	4.7	5.5	19	254	13.49	1.3	9.6	33	288
1979 FAMILY INCOME									
LESS THAN \$10,000.....	3.2	6.0	20	262	12.80	.7	11.5	39	300
\$10,000 TO \$19,999.....	3.3	7.2	24	334	13.67	.7	12.6	43	356
\$20,000 TO \$34,999.....	3.4	8.5	29	399	13.72	.5	16.9	58	437
\$35,000 OR MORE.....	1.9	8.8	30	475	15.89	.2	15.0	51	457
TOTAL POOR (100 PERCENT LEVEL)..	1.3	6.0	21	260	12.59	.3	10.7	37	288
TOTAL POOR (125 PERCENT LEVEL)..	1.8	6.0	21	258	12.57	.5	10.3	35	293
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	4.2	6.7	23	311	13.53	1.1	11.3	38	315
35 TO 59 YEARS.....	4.7	8.3	28	404	14.24	.5	18.5	63	482
60 YEARS AND OVER.....	2.9	7.3	25	343	13.84	.6	13.3	45	367
HOUSEHOLD MEMBERS									
1.....	2.5	5.2	18	217	12.34	.7	9.0	31	272
2.....	4.0	6.9	24	318	13.43	.7	12.8	44	344
3 OR MORE.....	5.4	9.0	31	448	14.63	.7	18.8	64	489
MAIN HEATING FUEL									
NATURAL GAS.....	8.3	5.6	19	337	17.54	-	-	-	-
ELECTRICITY.....	2.2	13.6	46	370	7.98	2.2	13.6	46	370
FUEL OIL.....	.4	11.4	39	323	8.34	-	-	-	-
OTHER.....	1.0	8.0	27	499	18.27	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Average Residential Electricity Consumption and Expenditures

Table 5. (Continued)
Census Division: Pacific

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)
HOT WATER FUEL									
NATURAL GAS.....	8.4	5.3	18	333	18.46	0.4	5.2	18	304
ELECTRICITY.....	2.9	14.2	48	398	8.22	1.7	15.8	54	392
FUEL OIL.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER.....	.5	5.7	19	495	25.50	.1	4.2	14	200
OWNERSHIP OF ELECTRIC UTILITY									
PRIVATELY OWNED.....	6.8	7.1	24	375	15.54	1.0	11.2	38	421
PUBLICLY OWNED.....	2.4	8.4	29	274	9.57	.6	18.7	64	339
CUSTOMER OWNED.....	.3	17.0	58	426	7.35	.2	20.1	69	458
UNKNOWN.....	2.3	6.5	22	373	16.87	.5	10.1	34	261
ALL ELECTRIC HOME									
YES.....	1.7	15.9	54	392	7.25	1.7	15.9	54	392
NO.....	10.1	6.1	21	350	16.85	.5	5.5	19	290
MAIN HEATING EQUIPMENT USING ELECTRICITY									
CENTRAL WARM AIR.....	.7	14.5	49	437	8.83	.7	14.5	49	437
HEAT PUMP.....	.1	18.7	64	647	10.13	.1	18.7	64	647
WALL UNITS.....	1.1	13.9	47	332	7.03	1.1	13.9	47	332
PIPELESS FURNACE.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
PORTABLE HEATERS.....	.2	7.6	26	250	9.66	.2	7.6	26	250
NONE/OTHER.....	9.7	6.1	21	353	16.90	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD.....	.1	7.6	26	339	13.12	Q	Q	Q	Q
<2,000 CDD AND 5,500 TO 7,000 HDD.....	.2	19.3	66	398	6.03	.1	24.6	84	473
<2,000 CDD AND 4,000 TO 5,499 HDD.....	2.7	13.5	46	350	7.61	1.3	17.0	58	384
<2,000 CDD AND <4,000 HDD.....	8.4	5.3	18	341	18.82	.7	5.4	19	313
>2,000 CDD AND <4,000 HDD.....	.4	6.0	21	736	35.82	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 1980 RESIDENTIAL ENERGY CONSUMPTION SURVEY.



Average Residential Fuel Oil or Kerosene Consumption and Expenditures

Table 6. U.S. Average Residential Fuel Oil or Kerosene Consumption and Expenditures—April 1980 Through March 1981, United States

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.....	15.4	729	101	811	8.04	13.4	812	112	905
AREA TYPE									
URBAN.....	9.5	804	111	897	8.05	8.6	873	121	974
RURAL.....	5.9	606	84	671	8.01	4.8	705	97	781
SMSA STATUS									
SMSA.....	10.2	792	110	883	8.05	9.3	851	118	950
NON-SMSA.....	5.2	603	83	667	8.01	4.1	723	100	800
FUEL OIL PAID BY HOUSEHOLD									
YES.....	11.8	713	99	793	8.05	10.2	793	110	884
NO.....	3.6	780	108	868	8.02	3.1	874	121	973
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	10.9	690	95	767	8.04	9.4	773	107	860
2 OR MORE UNITS.....	4.5	821	114	916	8.05	4.0	904	125	1009
NUMBER OF ROOMS									
1 TO 3.....	2.1	680	94	756	8.03	1.8	753	104	838
4 TO 5.....	5.9	658	91	732	8.04	5.1	738	102	822
6 OR MORE.....	7.4	797	110	888	8.04	6.5	886	123	988
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	2.7	632	88	702	8.02	2.2	734	102	815
SOME.....	4.8	808	112	901	8.06	4.3	866	120	966
NONE.....	7.9	714	99	794	8.03	6.8	803	111	894
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	5.3	669	92	745	8.06	4.7	736	102	821
1,000 TO 1,999.....	5.9	685	95	764	8.06	5.0	769	106	859
2,000 OR MORE.....	4.2	864	120	959	8.01	3.7	968	134	1074
YEAR HOUSE BUILT									
1939 OR EARLIER.....	6.8	788	109	877	8.04	6.1	870	121	970
1940 TO 1959.....	4.4	733	101	816	8.05	4.1	773	107	862
1960 OR LATER.....	4.1	626	87	696	8.03	3.2	753	104	837
OWN/RENT									
OWN.....	10.2	730	101	812	8.04	8.7	822	114	916
RENT.....	5.2	726	100	808	8.04	4.7	794	110	884
1979 FAMILY INCOME									
LESS THAN \$10,000.....	5.0	740	102	824	8.05	4.4	819	113	912
\$10,000 TO \$19,999.....	5.0	672	93	745	8.02	4.2	768	106	853
\$20,000 TO \$34,999.....	3.9	728	101	812	8.06	3.4	803	111	897
\$35,000 OR MORE.....	1.5	878	122	978	8.04	1.4	947	131	1055
TOTAL POOR (100 PERCENT LEVEL)..	1.9	722	100	802	8.03	1.7	800	111	888
TOTAL POOR (125 PERCENT LEVEL)..	2.9	736	102	820	8.06	2.6	803	111	895
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	3.8	659	91	732	8.03	3.2	756	105	841
35 TO 59 YEARS.....	6.6	718	99	800	8.05	5.7	801	111	893
60 YEARS AND OVER.....	5.0	796	110	886	8.04	4.5	866	120	965
HOUSEHOLD MEMBERS									
1.....	3.0	751	104	839	8.07	2.7	821	114	918
2.....	5.4	725	100	805	8.02	4.8	796	110	884
3 OR MORE.....	7.0	722	100	803	8.04	5.9	821	114	915
MAIN HEATING FUEL									
NATURAL GAS.....	.5	139	19	152	7.93	-	-	-	-
ELECTRICITY.....	.3	140	19	153	7.97	-	-	-	-
FUEL OIL.....	12.6	833	115	927	8.03	12.6	833	115	927
OTHER.....	2.1	312	43	348	8.18	.8	485	65	550

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Oil or 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 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)
HOT WATER FUEL									
NATURAL GAS.....	1.7	622	86	695	8.07	1.3	772	107	865
ELECTRICITY.....	5.9	532	73	590	8.04	5.0	606	84	674
FUEL OIL.....	7.0	948	131	1056	8.03	6.6	992	138	1105
OTHER.....	.8	482	66	536	8.09	.5	616	85	686
CAPACITY OF FUEL OIL/KEROSENE TANK(S)									
249 GALLONS OR LESS.....	1.1	535	74	602	8.19	.9	589	81	664
250 TO 300 GALLONS.....	7.0	711	98	794	8.07	6.2	778	108	870
301 TO 799 GALLONS.....	2.1	775	107	855	7.97	1.8	854	118	943
800 OR MORE GALLONS.....	.7	958	133	1061	8.01	.7	1007	139	1115
NOT REPORTED.....	.9	589	81	652	8.01	.6	831	115	924
TANK SIZE NOT ASKED FOR HOUSEHOLD NOT PAYING FOR FUEL OIL/KEROSENE.....									
	3.6	781	108	868	8.02	3.1	875	121	974
MAIN HEATING EQUIPMENT USING FUEL OIL									
STEAM OR HOT WATER SYSTEM.....	7.1	989	137	1102	8.04	7.1	989	137	1102
CENTRAL WARM AIR FURNACE.....	4.7	629	87	697	7.99	4.7	629	87	697
OTHER/NONE.....	3.6	342	47	382	8.17	1.6	552	75	625
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD.....	2.5	624	86	689	7.99	1.8	793	110	877
<2,000 CDD AND 5,500 TO 7,000 HDD.....	4.0	818	113	908	8.02	3.6	889	123	988
<2,000 CDD AND 4,000 TO 5,499 HDD.....	7.1	772	107	860	8.04	6.4	843	117	940
<2,000 CDD AND <4,000 HDD.....	1.3	551	76	619	8.16	1.2	593	81	666
>2,000 CDD AND <4,000 HDD.....	.4	332	46	384	8.39	.4	361	50	417

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Oil or 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 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.....	9.2	857	119	955	8.04	8.2	937	130	1045
AREA TYPE									
URBAN.....	6.9	891	123	993	8.05	6.3	960	133	1071
RURAL.....	2.3	754	104	839	8.04	1.9	862	119	961
SMSA STATUS									
SMSA.....	7.3	885	123	987	8.05	6.7	946	131	1056
NON-SMSA.....	1.9	745	103	830	8.03	1.5	896	124	997
FUEL OIL PAID BY HOUSEHOLD									
YES.....	6.2	869	120	970	8.05	5.5	955	132	1066
NO.....	3.0	830	115	923	8.02	2.7	901	125	1002
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	5.4	849	118	946	8.04	4.8	940	130	1047
2 OR MORE UNITS.....	3.8	867	120	968	8.06	3.4	933	129	1042
NUMBER OF ROOMS									
1 TO 3.....	1.7	723	100	805	8.03	1.5	811	112	903
4 TO 5.....	3.1	812	112	903	8.03	2.8	886	123	987
6 OR MORE.....	4.4	941	130	1050	8.06	3.9	1021	141	1140
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	1.1	792	110	880	8.02	1.0	883	122	982
SOME.....	3.2	894	124	997	8.05	2.9	960	133	1071
NONE.....	4.8	847	117	945	8.05	4.3	934	129	1042
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	3.4	789	109	879	8.05	3.0	869	120	969
1,000 TO 1,999.....	3.2	811	112	906	8.05	2.8	880	122	983
2,000 OR MORE.....	2.6	999	138	1113	8.03	2.3	1096	152	1220
YEAR HOUSE BUILT									
1939 OR EARLIER.....	4.6	884	123	987	8.05	4.2	954	132	1065
1940 TO 1959.....	2.4	883	122	982	8.03	2.2	916	127	1020
1960 OR LATER.....	2.2	770	107	857	8.04	1.7	925	128	1030
OWN/RENT									
OWN.....	5.8	885	123	987	8.05	5.1	975	135	1088
RENT.....	3.4	808	112	900	8.03	3.1	876	121	975
1979 FAMILY INCOME									
LESS THAN \$10,000.....	2.8	888	123	989	8.04	2.6	959	133	1068
\$10,000 TO \$19,999.....	3.1	785	109	874	8.03	2.7	878	122	978
\$20,000 TO \$34,999.....	2.3	849	118	950	8.08	2.0	928	129	1039
\$35,000 OR MORE.....	1.0	1001	139	1117	8.04	.9	1068	148	1191
TOTAL POOR (100 PERCENT LEVEL)..	.9	883	122	980	8.00	.8	1001	139	1110
TOTAL POOR (125 PERCENT LEVEL)..	1.6	861	119	959	8.04	1.4	957	133	1067
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	2.3	768	106	856	8.04	1.9	874	121	975
35 TO 59 YEARS.....	3.9	857	119	955	8.04	3.5	937	130	1045
60 YEARS AND OVER.....	3.0	923	128	1029	8.05	2.8	980	136	1093
HOUSEHOLD MEMBERS									
1.....	1.9	844	117	942	8.05	1.8	898	124	1002
2.....	3.1	867	120	964	8.02	2.8	932	129	1037
3 OR MORE.....	4.2	855	118	954	8.06	3.6	961	133	1073
MAIN HEATING FUEL									
NATURAL GAS.....	.3	99	14	108	7.85	-	-	-	-
ELECTRICITY.....	.1	127	17	139	8.11	-	-	-	-
FUEL OIL.....	8.0	945	131	1053	8.04	8.0	945	131	1053
OTHER.....	.8	314	43	352	8.20	.2	575	78	660

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Oil or 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 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)
HOT WATER FUEL									
NATURAL GAS.....	1.1	656	91	735	8.08	0.9	783	109	878
ELECTRICITY.....	1.6	660	91	738	8.08	1.4	760	105	851
FUEL OIL.....	6.1	969	134	1079	8.03	5.7	1010	140	1125
OTHER.....	.3	472	65	527	8.10	.2	785	108	874
CAPACITY OF FUEL OIL/KEROSENE TANK(S)									
249 GALLONS OR LESS.....	.2	1012	140	1146	8.18	.2	1118	155	1266
250 TO 300 GALLONS.....	4.3	816	113	913	8.07	3.7	902	125	1009
301 TO 799 GALLONS.....	1.0	936	130	1037	7.99	1.0	992	138	1098
800 OR MORE GALLONS.....	.4	1106	153	1229	8.04	.4	1166	161	1296
NOT REPORTED.....	.2	968	134	1073	8.00	.2	1225	170	1359
TANK SIZE NOT ASKED FOR HOUSEHOLD NOT PAYING FOR FUEL OIL/KEROSENE.....									
	3.0	830	115	923	8.02	2.7	901	125	1002
MAIN HEATING EQUIPMENT USING FUEL OIL									
STEAM OR HOT WATER SYSTEM.....	6.0	1013	140	1129	8.04	6.0	1013	140	1129
CENTRAL WARM AIR FURNACE.....	1.9	743	103	828	8.03	1.9	743	103	828
OTHER/NONE.....	1.3	285	39	319	8.14	.3	624	85	709
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD.....	1.2	719	100	804	8.07	.8	942	130	1053
<2,000 CDD AND 5,500 TO 7,000 HDD.....	3.2	874	121	973	8.03	2.9	941	130	1047
<2,000 CDD AND 4,000 TO 5,499 HDD.....	4.8	880	122	981	8.05	4.4	934	129	1042
<2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Oil or 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 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.....	2.7	853	118	954	8.07	2.3	957	133	1071
AREA TYPE									
URBAN.....	1.8	883	122	986	8.06	1.5	985	137	1101
RURAL.....	.9	790	109	887	8.10	.7	899	125	1009
SMSA STATUS									
SMSA.....	1.9	910	126	1016	8.06	1.7	956	132	1067
NON-SMSA.....	.8	728	101	819	8.12	.6	962	133	1084
FUEL OIL PAID BY HOUSEHOLD									
YES.....	2.3	852	118	954	8.08	2.0	951	132	1065
NO.....	.4	857	119	954	8.03	.3	995	138	1108
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	1.7	845	117	946	8.08	1.4	962	133	1078
2 OR MORE UNITS.....	1.0	867	120	969	8.06	.9	949	132	1061
NUMBER OF ROOMS									
1 TO 3.....	.2	620	86	689	8.02	.2	763	106	849
4 TO 5.....	1.0	775	107	865	8.05	.9	880	122	983
6 OR MORE.....	1.4	943	131	1057	8.09	1.3	1035	144	1161
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	.4	855	118	954	8.06	.3	894	124	997
SOME.....	.7	868	120	970	8.06	.6	997	138	1115
NONE.....	1.6	845	117	947	8.08	1.3	956	133	1071
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	.7	838	116	937	8.07	.6	937	130	1048
1,000 TO 1,999.....	1.1	762	106	853	8.08	.9	859	119	963
2,000 OR MORE.....	.9	970	135	1085	8.07	.8	1086	151	1214
YEAR HOUSE BUILT									
1939 OR EARLIER.....	1.4	894	124	1001	8.08	1.3	967	134	1083
1940 TO 1959.....	.6	853	118	953	8.06	.5	959	133	1074
1960 OR LATER.....	.6	763	106	852	8.07	.5	930	129	1038
OWN/RENT									
OWN.....	1.9	877	122	982	8.08	1.6	990	137	1108
RENT.....	.8	793	110	886	8.06	.7	880	122	983
1979 FAMILY INCOME									
LESS THAN \$10,000.....	.6	888	123	994	8.08	.6	959	133	1073
\$10,000 TO \$19,999.....	.8	754	104	843	8.07	.7	872	121	977
\$20,000 TO \$34,999.....	.8	820	114	920	8.10	.7	921	128	1036
\$35,000 OR MORE.....	.4	1048	145	1167	8.02	.4	1175	163	1307
TOTAL POOR (100 PERCENT LEVEL)..	.2	966	134	1086	8.11	.2	1099	152	1236
TOTAL POOR (125 PERCENT LEVEL)..	.3	825	114	927	8.10	.3	911	126	1022
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	.7	706	98	788	8.05	.5	859	119	960
35 TO 59 YEARS.....	1.2	869	120	971	8.06	1.0	952	132	1064
60 YEARS AND OVER.....	.8	965	134	1083	8.10	.7	1040	144	1168
HOUSEHOLD MEMBERS									
1.....	.4	840	117	944	8.11	.4	912	127	1026
2.....	.9	855	119	955	8.06	.7	974	135	1090
3 OR MORE.....	1.4	855	119	957	8.07	1.2	960	133	1074
MAIN HEATING FUEL									
NATURAL GAS.....	Q	Q	Q	Q	Q	-	-	-	-
ELECTRICITY.....	Q	Q	Q	Q	Q	-	-	-	-
FUEL OIL.....	2.2	966	134	1080	8.07	2.2	966	134	1080
OTHER.....	.4	313	43	353	8.16	Q	Q	Q	Q

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Oil or 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 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)
HOT WATER FUEL									
NATURAL GAS.....	0.4	745	103	840	8.13	0.4	773	107	872
ELECTRICITY.....	.5	720	100	811	8.14	.4	813	113	917
FUEL OIL.....	1.6	976	135	1087	8.04	1.4	1062	147	1184
OTHER.....	.2	422	58	479	8.20	.1	760	105	861
CAPACITY OF FUEL OIL/KEROSENE TANK(S)									
249 GALLONS OR LESS.....	.1	868	120	982	8.17	.1	1141	158	1290
250 TO 300 GALLONS.....	1.8	798	111	896	8.10	1.5	902	125	1013
301 TO 799 GALLONS.....	.3	979	136	1099	8.10	.3	1013	140	1135
800 OR MORE GALLONS.....	.1	1231	171	1337	7.83	.1	1269	176	1376
NOT REPORTED.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
TANK SIZE NOT ASKED FOR HOUSEHOLD NOT PAYING FOR FUEL OIL/KEROSENE.....	.4	857	119	954	8.03	.3	995	138	1108
MAIN HEATING EQUIPMENT USING FUEL OIL									
STEAM OR HOT WATER SYSTEM.....	1.7	1062	147	1187	8.06	1.7	1062	147	1187
CENTRAL WARM AIR FURNACE.....	.5	670	93	754	8.11	.5	670	93	754
OTHER/NONE.....	.5	309	43	347	8.15	.1	549	75	644
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD.....	.8	766	106	863	8.13	.5	1016	141	1145
<2,000 CDD AND 5,500 TO 7,000 HDD.....	1.9	888	123	991	8.05	1.8	940	130	1050
<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 Residential Fuel Oil or 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 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.....	6.5	858	119	955	8.03	5.9	929	129	1035
AREA TYPE									
URBAN.....	5.1	893	124	996	8.04	4.7	952	132	1061
RURAL.....	1.4	731	101	810	8.00	1.2	840	116	931
SMSA STATUS									
SMSA.....	5.4	877	122	978	8.04	5.0	943	131	1052
NON-SMSA.....	1.0	759	105	838	7.97	.9	855	118	944
FUEL OIL PAID BY HOUSEHOLD									
YES.....	3.9	880	122	980	8.04	3.5	958	133	1067
NO.....	2.6	826	114	918	8.02	2.4	888	123	988
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	3.7	851	118	946	8.02	3.3	931	129	1034
2 OR MORE UNITS.....	2.8	867	120	968	8.06	2.6	928	129	1036
NUMBER OF ROOMS									
1 TO 3.....	1.5	737	102	820	8.03	1.3	817	113	910
4 TO 5.....	2.1	830	115	923	8.02	1.9	889	123	988
6 OR MORE.....	2.9	939	130	1047	8.04	2.7	1014	141	1130
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	.8	760	105	843	8.00	.6	878	122	974
SOME.....	2.5	901	125	1004	8.04	2.4	950	132	1060
NONE.....	3.2	848	117	943	8.03	2.9	924	128	1029
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	2.7	776	108	864	8.04	2.4	852	118	949
1,000 TO 1,999.....	2.1	837	116	933	8.04	1.9	890	123	992
2,000 OR MORE.....	1.7	1015	141	1128	8.02	1.5	1101	153	1223
YEAR HOUSE BUILT									
1939 OR EARLIER.....	3.2	880	122	981	8.04	3.0	948	131	1057
1940 TO 1959.....	1.7	893	124	993	8.02	1.7	902	125	1003
1960 OR LATER.....	1.5	773	107	860	8.03	1.3	923	128	1027
OWN/RENT									
OWN.....	3.8	889	123	991	8.04	3.5	968	134	1078
RENT.....	2.7	813	113	904	8.02	2.4	875	121	973
1979 FAMILY INCOME									
LESS THAN \$10,000.....	2.2	888	123	988	8.02	2.0	959	133	1067
\$10,000 TO \$19,999.....	2.2	797	110	885	8.01	2.0	830	122	978
\$20,000 TO \$34,999.....	1.5	865	120	966	8.06	1.3	932	129	1041
\$35,000 OR MORE.....	.6	965	134	1078	8.06	.5	995	138	1113
TOTAL POOR (100 PERCENT LEVEL)..	.7	862	119	952	7.97	.6	976	135	1079
TOTAL POOR (125 PERCENT LEVEL)..	1.3	869	121	967	8.03	1.1	969	134	1078
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	1.5	798	111	889	8.04	1.3	880	122	981
35 TO 59 YEARS.....	2.7	851	118	948	8.04	2.5	932	129	1037
60 YEARS AND OVER.....	2.2	908	126	1010	8.03	2.1	959	133	1067
HOUSEHOLD MEMBERS									
1.....	1.5	845	117	941	8.03	1.4	894	124	996
2.....	2.2	872	121	968	8.01	2.0	916	127	1017
3 OR MORE.....	2.8	854	118	953	8.05	2.4	961	133	1073
MAIN HEATING FUEL									
NATURAL GAS.....	.2	84	12	91	7.82	-	-	-	-
ELECTRICITY.....	.1	104	14	114	8.11	-	-	-	-
FUEL OIL.....	5.8	937	130	1043	8.03	5.8	937	130	1043
OTHER.....	.4	314	43	352	8.24	.1	598	81	679

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Oil or 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 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)
HOT WATER FUEL									
NATURAL GAS.....	0.7	606	84	675	8.03	0.5	790	110	882
ELECTRICITY.....	1.2	635	88	708	8.06	1.0	738	102	823
FUEL OIL.....	4.5	967	134	1076	8.03	4.3	993	138	1105
OTHER.....	.1	550	75	602	7.98	.1	807	111	885
CAPACITY OF FUEL OIL/KEROSENE TANK(S)									
249 GALLONS OR LESS.....	.1	1107	153	1255	8.18	.1	1107	153	1255
250 TO 300 GALLONS.....	2.5	829	115	925	8.05	2.3	902	125	1007
301 TO 799 GALLONS.....	.7	918	127	1010	7.94	.7	983	136	1081
800 OR MORE GALLONS.....	.3	1068	147	1196	8.11	.3	1136	157	1272
NOT REPORTED.....	.2	915	127	1015	8.02	.1	1210	168	1345
TANK SIZE NOT ASKED FOR HOUSEHOLD NOT PAYING FOR FUEL OIL/KEROSENE.....									
	2.6	826	114	918	8.02	2.4	888	123	988
MAIN HEATING EQUIPMENT USING FUEL OIL									
STEAM OR HOT WATER SYSTEM.....	4.3	994	138	1107	8.03	4.3	994	138	1107
CENTRAL WARM AIR FURNACE.....	1.4	772	107	857	8.00	1.4	772	107	857
OTHER/NONE.....	.8	272	37	303	8.14	.2	644	88	726
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD.....	.4	639	88	703	7.94	.3	828	115	911
<2,000 CDD AND 5,500 TO 7,000 HDD.....	1.3	854	118	945	7.99	1.1	942	131	1043
<2,000 CDD AND 4,000 TO 5,499 HDD.....	4.8	880	122	981	8.05	4.4	934	129	1042
<2,000 CDD AND >2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Oil or 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 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.....	2.0	557	77	610	7.92	1.5	666	92	732
AREA TYPE									
URBAN.....	.7	586	81	645	7.96	.5	680	94	749
RURAL.....	1.3	543	75	593	7.90	1.0	659	91	722
SMSA STATUS									
SMSA.....	.8	572	79	626	7.92	.7	640	89	702
NON-SMSA.....	1.2	547	76	599	7.93	.9	688	95	756
FUEL OIL PAID BY HOUSEHOLD									
YES.....	1.9	558	77	611	7.92	1.5	661	91	726
NO.....	.1	543	75	602	8.00	.1	758	105	843
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	1.8	551	76	604	7.93	1.4	658	91	723
2 OR MORE UNITS.....	.2	612	85	667	7.86	.2	739	102	806
NUMBER OF ROOMS									
1 TO 3.....	.1	577	80	628	7.86	.1	594	82	649
4 TO 5.....	.9	501	69	550	7.95	.6	605	84	668
6 OR MORE.....	1.0	601	83	657	7.91	.8	727	101	796
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	.3	564	78	609	7.80	.2	693	96	749
SOME.....	.4	616	85	677	7.94	.3	702	97	773
NONE.....	1.3	539	74	591	7.95	1.0	648	89	714
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	.4	484	67	538	8.07	.3	527	73	589
1,000 TO 1,999.....	1.0	556	77	610	7.93	.7	666	95	755
2,000 OR MORE.....	.7	600	83	651	7.84	.5	726	101	789
YEAR HOUSE BUILT									
1939 OR EARLIER.....	0.9	580	80	637	7.95	0.7	745	103	820
1940 TO 1959.....	.4	582	81	638	7.92	.4	611	85	674
1960 OR LATER.....	.6	507	70	552	7.88	.5	596	82	650
OWN/RENT									
OWN.....	1.6	530	73	579	7.91	1.2	654	90	717
RENT.....	.4	672	93	741	7.95	.4	706	98	779
1979 FAMILY INCOME									
LESS THAN \$10,000.....	.7	585	81	640	7.90	.5	732	101	801
\$10,000 TO \$19,999.....	.7	486	67	531	7.92	.4	599	83	661
\$20,000 TO \$34,999.....	.6	588	81	646	7.95	.5	653	90	720
\$35,000 OR MORE.....	.1	649	90	709	7.89	.1	705	98	770
TOTAL POOR (100 PERCENT LEVEL)..	.1	746	103	833	8.09	.1	863	119	964
TOTAL POOR (125 PERCENT LEVEL)..	.3	726	100	800	7.96	.2	784	108	863
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	.5	506	70	547	7.80	.4	590	82	638
35 TO 59 YEARS.....	.8	525	73	579	7.98	.5	668	92	742
60 YEARS AND OVER.....	.7	627	87	688	7.94	.6	715	99	786
HOUSEHOLD MEMBERS									
1.....	.3	616	85	689	8.09	.2	772	107	863
2.....	.7	543	75	591	7.86	.6	662	92	719
3 OR MORE.....	1.0	548	76	599	7.91	.7	634	88	697
MAIN HEATING FUEL									
NATURAL GAS.....	.1	195	26	213	8.07	-	-	-	-
ELECTRICITY.....	Q	Q	Q	Q	Q	-	-	-	-
FUEL OIL.....	1.5	670	93	736	7.94	1.5	670	93	736
OTHER.....	.3	225	31	236	7.60	Q	Q	Q	Q

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Oil or 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 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)
HOT WATER FUEL									
NATURAL GAS.....	0.2	452	62	509	8.20	0.1	787	108	897
ELECTRICITY.....	1.5	538	74	586	7.88	1.2	627	87	685
FUEL OIL.....	.2	882	122	980	8.01	.2	882	122	980
OTHER.....	.1	506	70	549	7.83	.1	616	85	675
CAPACITY OF FUEL OIL/KEROSENE TANK(S)									
249 GALLONS OR LESS.....	.2	421	58	463	7.95	.1	556	77	615
250 TO 300 GALLONS.....	1.2	566	78	622	7.97	1.0	628	87	692
301 TO 799 GALLONS.....	.3	623	86	673	7.80	.2	739	102	802
800 OR MORE GALLONS.....	.1	903	125	972	7.76	.1	903	125	972
NOT REPORTED.....	.2	415	57	451	7.88	.1	855	119	939
TANK SIZE NOT ASKED FOR HOUSEHOLD NOT PAYING FOR FUEL OIL/KEROSENE.....	.1	543	75	602	8.00	.1	758	105	843
MAIN HEATING EQUIPMENT USING FUEL OIL									
STEAM OR HOT WATER SYSTEM.....	.3	816	113	895	7.93	.3	816	113	895
CENTRAL WARM AIR FURNACE.....	1.0	623	86	680	7.89	1.0	623	86	680
OTHER/NONE.....	.7	341	47	376	8.02	.2	669	92	757
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD.....	1.3	528	73	575	7.87	.9	651	90	711
<2,000 CDD AND 5,500 TO 7,000 HDD.....	.7	612	85	676	7.99	.6	686	95	760
<2,000 CDD AND 4,000 TO 5,499 HDD.....	.1	553	77	614	8.02	.1	715	99	794
<2,000 CDD AND >2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.

Table __. Average Annual Household Consumption of the Main Heating Fuel

Size of Home/ Number of Household Members/Age of Head of Household	Main Heating Fuel			
	Natural Gas (thousand cubic feet)	Fuel Oil/ Kerosene (Gallons)	Electricity With Air- conditioning (thousand kWh)	Electricity Without Air- conditioning (thousand kWh)
<u>Small Homes</u>				
One household member/ head of household 's				
less than 35 years old				
35-59 years old				
60 years or more				
Two household members/ head of household 's				
less than 35 years old				
35-59 years old				
60 years or more				
Three or more household members/head of household 's				
less than 35 years old				
35-59 years old				
60 years or more				
<u>Medium Homes</u>				
One household member/ head of household 's				
less than 35 years old				
35-59 years old				
60 years or more				
Two household members/ head of household 's				
less than 35 years old				
35-59 years old				
60 years or more				
Three or more household members/head of household 's				
less than 35 years old				
35-59 years old				
60 years or more				
<u>Large Homes</u>				
One household member/ head of household 's				
less than 35 years old				
35-59 years old				
60 years or more				
Two household members/ head of household 's				
less than 35 years old				
35-59 years old				
60 years or more				
Three or more household members/head of household 's				
less than 35 years old				
35-59 years old				
60 years or more				

Table A AVERAGE Annual Household Consumption of the Main Heating fuel - Northeast Census Region

		MAIN HEATING FUEL and Size of Housing Unit					
		Natural Gas			Fuel oil / Kerosene		
		Small	medium	large	Small	Medium	large

One Household member/Head of Household is
 less than 35 years old
 35-59 years old
 60 years or more

Two Household members/Head of Household is
 less than 35 years old
 35-59 years old
 60 years or more.

Three Household members/Head of Household is
 less than 35 years old
 35-59 years old
 60 years or more

Table -B

AVERAGE Household Consumption of the
Main Heating fuel - North Central Census Region

Same as Table A

Natural Gas

Small Medium Large

↓
Same
as
Table
A



Average Residential Fuel Oil or 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 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.....	1.5	558	77	616	7.99	1.2	673	93	746
AREA TYPE									
URBAN.....	.5	646	89	714	8.01	.4	728	101	806
RURAL.....	1.1	519	72	573	7.98	.8	646	89	716
SMSA STATUS									
SMSA.....	.6	622	86	682	7.94	.5	673	93	740
NON-SMSA.....	.9	512	71	568	8.04	.6	674	93	751
FUEL OIL PAID BY HOUSEHOLD									
YES.....	1.4	546	75	603	7.99	1.1	667	92	739
NO.....	.1	758	105	843	8.02	.1	758	105	843
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	1.4	538	74	595	8.01	1.0	664	92	738
2 OR MORE UNITS.....	.2	733	102	799	7.85	.2	733	102	799
NUMBER OF ROOMS									
1 TO 3.....	.1	571	79	628	7.93	.1	593	82	659
4 TO 5.....	.6	524	72	581	8.03	.5	635	88	706
6 OR MORE.....	.8	580	80	639	7.97	.6	713	99	788
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	.2	649	90	703	7.82	.2	682	95	739
SOME.....	.3	611	84	675	7.99	.3	719	99	798
NONE.....	1.0	523	72	580	8.03	.7	655	90	730
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	.2	521	72	588	8.19	.2	577	80	654
1,000 TO 1,999.....	.7	563	78	623	8.01	.5	690	95	767
2,000 OR MORE.....	.5	567	78	619	7.89	.4	699	97	764
YEAR HOUSE BUILT									
1939 OR EARLIER.....	0.7	568	78	631	8.06	0.5	746	103	833
1940 TO 1959.....	.3	636	88	701	7.95	.3	657	91	729
1960 OR LATER.....	.5	501	69	548	7.92	.4	596	83	653
OWN/RENT									
OWN.....	1.2	521	72	575	8.00	.8	656	90	728
RENT.....	.3	698	97	771	7.97	.3	721	100	797
1979 FAMILY INCOME									
LESS THAN \$10,000.....	.5	665	92	731	7.94	.4	783	108	861
\$10,000 TO \$19,999.....	.5	451	62	498	8.02	.3	591	81	661
\$20,000 TO \$34,999.....	.5	545	75	606	8.04	.4	620	86	691
\$35,000 OR MORE.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
TOTAL POOR (100 PERCENT LEVEL)..	.1	796	110	897	8.17	.1	908	125	1024
TOTAL POOR (125 PERCENT LEVEL)..	.2	773	107	856	8.00	.2	827	114	915
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	.4	449	62	491	7.90	.3	538	74	589
35 TO 59 YEARS.....	.6	514	71	572	8.07	.3	705	97	792
60 YEARS AND OVER.....	.6	667	92	735	7.97	.5	725	100	801
HOUSEHOLD MEMBERS									
1.....	.3	616	85	692	8.12	.2	799	111	898
2.....	.5	558	77	608	7.89	.4	643	89	701
3 OR MORE.....	.7	535	74	592	8.01	.5	646	89	721
MAIN HEATING FUEL									
NATURAL GAS.....	.1	298	40	328	8.17	-	-	-	-
ELECTRICITY.....	Q	Q	Q	Q	Q	-	-	-	-
FUEL OIL.....	1.1	678	94	751	8.02	1.1	678	94	751
OTHER.....	.3	201	28	211	7.60	Q	Q	Q	Q

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Oil or 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 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)
HOT WATER FUEL									
NATURAL GAS.....	0.1	565	77	646	8.35	0.1	859	118	998
ELECTRICITY.....	1.1	512	71	562	7.95	.8	621	86	684
FUEL OIL.....	.2	867	120	967	8.04	.2	867	120	967
OTHER.....	.1	526	73	570	7.83	.1	627	87	687
CAPACITY OF FUEL OIL/KEROSENE TANK(S)									
249 GALLONS OR LESS.....	.1	410	57	452	7.95	.1	555	77	616
250 TO 300 GALLONS.....	.9	567	78	627	8.02	.8	638	88	708
301 TO 799 GALLONS.....	.2	578	80	634	7.91	.1	764	106	845
800 OR MORE GALLONS.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
NOT REPORTED.....	.2	436	60	478	7.96	.1	855	119	939
TANK SIZE NOT ASKED FOR HOUSEHOLD NOT PAYING FOR FUEL OIL/KEROSENE.....									
	.1	758	105	843	8.02	.1	758	105	843
MAIN HEATING EQUIPMENT USING FUEL OIL									
STEAM OR HOT WATER SYSTEM.....	.2	823	114	911	8.00	.2	823	114	911
CENTRAL WARM AIR FURNACE.....	.8	617	85	680	7.96	.8	617	85	680
OTHER/NONE.....	.5	351	48	388	8.07	.2	726	99	827
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD.....	.9	507	70	558	7.97	.6	652	90	720
<2,000 CDD AND 5,500 TO 7,000 HDD.....	.6	619	86	685	8.01	.5	694	96	772
<2,000 CDD AND 4,000 TO 5,499 HDD.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
<2,000 CDD AND >2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Oil or 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	556	77	594	7.72	0.4	646	89	691
AREA TYPE									
URBAN.....	.2	456	63	494	7.83	.2	568	78	615
RURAL.....	.3	629	87	666	7.66	.2	702	97	744
SMSA STATUS									
SMSA.....	.2	415	57	449	7.81	.1	522	72	565
NON-SMSA.....	.3	649	90	689	7.68	.2	722	100	768
FUEL OIL PAID BY HOUSEHOLD									
YES.....	.5	596	82	636	7.72	.4	646	89	691
NO.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	.5	591	82	631	7.71	.4	642	89	686
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	447	62	479	7.74	.2	529	73	569
6 OR MORE.....	.2	683	95	728	7.70	.2	774	107	825
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	.1	431	60	463	7.76	.1	720	100	775
SOME.....	.1	639	89	684	7.72	.1	639	89	684
NONE.....	.3	590	82	628	7.70	.3	628	87	670
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	.1	417	57	449	7.82	.1	440	61	473
1,000 TO 1,999.....	.2	535	74	570	7.69	.2	670	93	715
2,000 OR MORE.....	.1	733	102	782	7.69	.1	820	114	874
YEAR HOUSE BUILT									
1939 OR EARLIER.....	0.3	613	85	653	7.68	0.2	743	103	790
1940 TO 1959.....	.1	458	63	497	7.83	.1	508	70	550
1960 OR LATER.....	.1	536	74	570	7.70	.1	595	82	638
OWN/RENT									
OWN.....	.4	554	77	589	7.69	.3	648	90	690
RENT.....	.1	567	78	619	7.89	.1	638	88	696
1979 FAMILY INCOME									
LESS THAN \$10,000.....	.2	371	51	396	7.72	.1	536	74	570
\$10,000 TO \$19,999.....	.1	609	84	645	7.66	.1	621	86	661
\$20,000 TO \$34,999.....	.1	755	105	806	7.71	.1	755	105	806
\$35,000 OR MORE.....	.1	569	79	623	7.92	Q	Q	Q	Q
TOTAL POOR (100 PERCENT LEVEL)..	Q	Q	Q	Q	Q	Q	Q	Q	Q
TOTAL POOR (125 PERCENT LEVEL)..	Q	Q	Q	Q	Q	Q	Q	Q	Q
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	.1	662	92	700	7.63	.1	708	98	749
35 TO 59 YEARS.....	.2	553	77	595	7.78	.2	598	83	646
60 YEARS AND OVER.....	.1	460	63	490	7.72	.1	658	91	702
HOUSEHOLD MEMBERS									
1.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
2.....	.2	510	71	551	7.81	.1	717	99	774
3 OR MORE.....	.2	587	81	621	7.63	.2	605	84	641
MAIN HEATING FUEL									
NATURAL GAS.....	Q	Q	Q	Q	Q	-	-	-	-
ELECTRICITY.....	Q	Q	Q	Q	Q	-	-	-	-
FUEL OIL.....	.4	646	89	691	7.72	.4	646	89	691
OTHER.....	Q	Q	Q	Q	Q	Q	Q	Q	Q

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Oil or 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)
HOT WATER FUEL									
NATURAL GAS.....	0.1	245	34	257	7.57	Q	Q	Q	Q
ELECTRICITY.....	.4	606	84	648	7.73	0.4	642	89	687
FUEL OIL.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
CAPACITY OF FUEL OIL/KEROSENE TANK(S)									
249 GALLONS OR LESS.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
250 TO 300 GALLONS.....	.3	563	78	607	7.80	.3	596	83	643
301 TO 799 GALLONS.....	.1	708	98	748	7.63	.1	708	98	748
800 OR MORE GALLONS.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
NOT REPORTED.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
TANK SIZE NOT ASKED FOR HOUSEHOLD NOT PAYING FOR FUEL OIL/KEROSENE.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
MAIN HEATING EQUIPMENT USING FUEL OIL									
STEAM OR HOT WATER SYSTEM.....	.1	793	110	841	7.65	.1	793	110	841
CENTRAL WARM AIR FURNACE.....	.3	640	88	682	7.71	.3	640	88	682
OTHER/NONE.....	.2	310	43	334	7.81	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD.....	.4	576	80	613	7.69	.3	651	90	694
<2,000 CDD AND 5,500 TO 7,000 HDD.....	.1	550	76	593	7.78	.1	623	86	671
<2,000 CDD AND 4,000 TO 5,499 HDD.....	.1	419	58	457	7.92	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 Residential Fuel Oil or 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 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.....	3.6	542	75	606	8.12	3.1	606	83	678
AREA TYPE									
URBAN.....	1.6	603	84	682	8.17	1.4	654	90	740
RURAL.....	2.1	495	68	548	8.07	1.7	568	78	629
SMSA STATUS									
SMSA.....	1.7	580	80	656	8.19	1.6	621	86	703
NON-SMSA.....	1.9	507	70	561	8.04	1.6	590	81	654
FUEL OIL PAID BY HOUSEHOLD									
YES.....	3.1	541	75	606	8.14	2.8	595	82	667
NO.....	.5	544	75	604	8.01	.3	698	97	776
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	3.1	535	74	598	8.13	2.8	588	81	659
2 OR MORE UNITS.....	.5	584	81	652	8.07	.4	737	102	824
NUMBER OF ROOMS									
1 TO 3.....	.2	415	57	464	8.10	.2	412	57	461
4 TO 5.....	1.7	495	68	554	8.13	1.5	562	77	629
6 OR MORE.....	1.7	604	83	677	8.11	1.5	674	93	755
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	1.2	507	70	567	8.09	.9	598	83	670
SOME.....	1.1	636	88	717	8.19	1.0	666	92	751
NONE.....	1.3	495	68	551	8.07	1.2	559	77	621
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	1.4	457	63	509	8.12	1.2	498	68	555
1,000 TO 1,999.....	1.5	525	72	590	8.16	1.2	602	83	678
2,000 OR MORE.....	.7	740	103	826	8.05	.6	817	113	913
YEAR HOUSE BUILT									
1939 OR EARLIER.....	1.1	602	83	670	8.08	1.0	650	90	724
1940 TO 1959.....	1.4	591	82	665	8.16	1.3	636	88	716
1960 OR LATER.....	1.2	434	60	485	8.11	.9	518	71	580
OWN/RENT									
OWN.....	2.3	539	74	604	8.13	2.1	596	82	669
RENT.....	1.3	547	75	610	8.10	1.1	624	86	697
1979 FAMILY INCOME									
LESS THAN \$10,000.....	1.4	537	74	602	8.16	1.3	586	80	657
\$10,000 TO \$19,999.....	1.1	500	69	556	8.05	.9	571	79	635
\$20,000 TO \$34,999.....	.7	555	77	625	8.13	.6	626	87	705
\$35,000 OR MORE.....	.4	665	92	746	8.13	.3	749	103	841
TOTAL POOR (100 PERCENT LEVEL)..	.8	548	75	608	8.06	.8	583	80	647
TOTAL POOR (125 PERCENT LEVEL)..	1.0	561	77	628	8.14	1.0	590	81	661
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	.9	509	70	567	8.11	.8	590	81	658
35 TO 59 YEARS.....	1.7	522	72	586	8.13	1.5	575	79	645
60 YEARS AND OVER.....	1.0	603	83	674	8.11	.9	668	92	748
HOUSEHOLD MEMBERS									
1.....	.7	588	81	661	8.15	.6	654	90	736
2.....	1.4	554	76	618	8.12	1.2	596	82	667
3 OR MORE.....	1.6	511	70	571	8.10	1.3	592	82	663
MAIN HEATING FUEL									
NATURAL GAS.....	.1	205	28	224	7.90	-	-	-	-
ELECTRICITY.....	.1	171	24	186	7.91	-	-	-	-
FUEL OIL.....	2.5	641	89	716	8.08	2.5	641	89	716
OTHER.....	.9	350	47	395	8.34	.6	463	62	524

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Oil or 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 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)
HOT WATER FUEL									
NATURAL GAS.....	0.3	611	85	680	8.02	0.3	739	102	823
ELECTRICITY.....	2.3	458	63	514	8.16	2.0	516	71	580
FUEL OIL.....	.7	811	112	903	8.05	.6	875	121	975
OTHER.....	.3	464	63	519	8.19	.2	484	66	541
CAPACITY OF FUEL OIL/KEROSENE TANK(S)									
249 GALLONS OR LESS.....	.6	405	55	457	8.30	.6	421	57	475
250 TO 300 GALLONS.....	1.4	548	75	616	8.16	1.3	585	81	658
301 TO 799 GALLONS.....	.6	634	88	702	8.02	.5	715	99	792
800 OR MORE GALLONS.....	.2	750	104	833	8.01	.2	786	109	873
NOT REPORTED.....	.4	474	65	534	8.18	.3	651	90	739
TANK SIZE NOT ASKED FOR HOUSEHOLD NOT PAYING FOR FUEL OIL/KEROSENE.....	.5	544	75	604	8.01	.3	698	97	776
MAIN HEATING EQUIPMENT USING FUEL OIL									
STEAM OR HOT WATER SYSTEM.....	.8	889	123	990	8.04	.8	889	123	990
CENTRAL WARM AIR FURNACE.....	1.3	516	71	575	8.06	1.3	516	71	575
OTHER/NONE.....	1.5	392	54	442	8.27	1.1	513	70	581
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.....	1.9	578	80	643	8.05	1.6	674	93	750
<2,000 CDD AND <4,000 HDD.....	1.3	552	76	619	8.17	1.2	594	82	667
>2,000 CDD AND <4,000 HDD.....	.4	338	46	390	8.40	.4	361	50	417

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Oil or 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 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.....	3.5	554	76	620	8.12	3.0	609	84	682
AREA TYPE									
URBAN.....	1.5	608	84	687	8.17	1.4	653	90	739
RURAL.....	1.9	511	70	566	8.07	1.7	573	79	635
SMSA STATUS									
SMSA.....	1.7	585	81	662	8.19	1.5	622	86	704
NON-SMSA.....	1.8	524	72	580	8.05	1.5	596	82	660
FUEL OIL PAID BY HOUSEHOLD									
YES.....	3.0	552	76	619	8.14	2.7	597	82	670
NO.....	.5	564	78	626	8.01	.3	706	98	785
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	2.9	546	75	611	8.13	2.7	591	81	662
2 OR MORE UNITS.....	.5	601	83	671	8.07	.4	737	102	824
NUMBER OF ROOMS									
1 TO 3.....	.2	402	55	450	8.13	.2	396	55	445
4 TO 5.....	1.6	505	69	564	8.13	1.4	565	78	632
6 OR MORE.....	1.6	621	86	696	8.11	1.5	677	94	760
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	1.1	527	73	590	8.10	.9	599	83	672
SOME.....	1.0	643	89	725	8.19	1.0	669	92	754
NONE.....	1.3	504	69	561	8.07	1.1	564	78	627
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	1.3	462	63	515	8.12	1.2	500	69	558
1,000 TO 1,999.....	1.4	537	74	603	8.17	1.2	602	83	678
2,000 OR MORE.....	.7	766	106	856	8.06	.6	823	114	920
YEAR HOUSE BUILT									
1939 OR EARLIER.....	1.0	612	84	682	8.08	0.9	653	90	727
1940 TO 1959.....	1.3	594	82	668	8.16	1.2	640	88	721
1960 OR LATER.....	1.1	455	63	509	8.12	.9	521	72	584
OWN/RENT									
OWN.....	2.2	552	76	619	8.13	2.0	600	83	673
RENT.....	1.2	556	77	621	8.10	1.0	625	86	698
1979 FAMILY INCOME									
LESS THAN \$10,000.....	1.4	553	76	619	8.16	1.2	592	81	664
\$10,000 TO \$19,999.....	1.1	504	70	560	8.05	.9	571	79	635
\$20,000 TO \$34,999.....	.6	564	78	635	8.14	.6	630	87	710
\$35,000 OR MORE.....	.3	704	97	791	8.13	.3	749	103	841
TOTAL POOR (100 PERCENT LEVEL)..	.8	555	76	615	8.05	.7	587	81	651
TOTAL POOR (125 PERCENT LEVEL)..	1.0	568	78	635	8.14	.9	593	82	665
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	.9	529	73	590	8.11	.7	596	82	665
35 TO 59 YEARS.....	1.6	525	72	589	8.13	1.4	573	79	643
60 YEARS AND OVER.....	1.0	625	86	699	8.12	.9	680	94	762
HOUSEHOLD MEMBERS									
1.....	.7	608	84	685	8.16	.6	665	92	750
2.....	1.3	559	77	625	8.12	1.2	599	82	670
3 OR MORE.....	1.5	525	72	586	8.10	1.3	592	82	662
MAIN HEATING FUEL									
NATURAL GAS.....	.1	246	34	270	7.92	-	-	-	-
ELECTRICITY.....	.1	208	29	227	7.92	-	-	-	-
FUEL OIL.....	2.4	646	89	723	8.08	2.4	646	89	723
OTHER.....	.9	360	49	406	8.35	.6	463	62	524

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Oil or 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 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)
HOT WATER FUEL									
NATURAL GAS.....	0.3	639	89	711	8.03	0.3	739	102	823
ELECTRICITY.....	2.2	466	64	524	8.17	1.9	518	71	582
FUEL OIL.....	.7	811	112	903	8.05	.6	875	121	975
OTHER.....	.3	471	64	528	8.22	.2	474	65	532
CAPACITY OF FUEL OIL/KEROSENE TANK(S)									
249 GALLONS OR LESS.....	.6	399	54	452	8.32	.6	415	57	470
250 TO 300 GALLONS.....	1.3	561	77	630	8.16	1.2	592	82	665
301 TO 799 GALLONS.....	.6	632	87	699	8.00	.5	717	99	793
800 OR MORE GALLONS.....	.2	750	104	833	8.01	.2	786	109	873
NOT REPORTED.....	.3	529	73	599	8.20	.2	661	91	753
TANK SIZE NOT ASKED FOR HOUSEHOLD NOT PAYING FOR FUEL OIL/KEROSENE.....									
	.5	564	78	626	8.01	.3	706	98	785
MAIN HEATING EQUIPMENT USING FUEL OIL									
STEAM OR HOT WATER SYSTEM.....	.8	895	124	997	8.04	.8	895	124	997
CENTRAL WARM AIR FURNACE.....	1.3	518	72	578	8.06	1.3	518	72	578
OTHER/NONE.....	1.4	405	55	457	8.28	1.0	510	70	579
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.....	1.8	596	82	663	8.05	1.5	680	94	757
<2,000 CDD AND <4,000 HDD.....	1.2	555	76	623	8.17	1.1	596	82	670
>2,000 CDD AND <4,000 HDD.....	.4	350	48	405	8.41	.4	361	50	417

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Oil or 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 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.....	0.1	300	41	332	8.09	0.1	483	66	538
AREA TYPE									
URBAN.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
RURAL.....	.1	235	32	258	8.05	.1	412	56	454
SMSA STATUS									
SMSA.....	.1	423	58	473	8.14	Q	Q	Q	Q
NON-SMSA.....	.1	221	30	242	8.02	Q	Q	Q	Q
FUEL OIL PAID BY HOUSEHOLD									
YES.....	.1	281	38	312	8.10	.1	482	66	536
NO.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	.1	300	41	332	8.09	.1	483	66	538
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.....	.1	392	54	440	8.19	.1	494	68	556
6 OR MORE.....	.1	189	26	203	7.84	Q	Q	Q	Q
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
SOME.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
NONE.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
1,000 TO 1,999.....	.1	290	40	318	7.99	Q	Q	Q	Q
2,000 OR MORE.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
YEAR HOUSE BUILT									
1939 OR EARLIER.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
1940 TO 1959.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
1960 OR LATER.....	0.1	170	23	181	7.81	Q	Q	Q	Q
OWN/RENT									
OWN.....	.1	295	40	328	8.11	0.1	482	66	536
RENT.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
1979 FAMILY INCOME									
LESS THAN \$10,000.....	.1	274	37	306	8.21	Q	Q	Q	Q
\$10,000 TO \$19,999.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
\$20,000 TO \$34,999.....	.1	462	64	511	8.03	Q	Q	Q	Q
\$35,000 OR MORE.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
TOTAL POOR (100 PERCENT LEVEL)..	Q	Q	Q	Q	Q	Q	Q	Q	Q
TOTAL POOR (125 PERCENT LEVEL)..	Q	Q	Q	Q	Q	Q	Q	Q	Q
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	.1	192	26	205	7.83	Q	Q	Q	Q
35 TO 59 YEARS.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
60 YEARS AND OVER.....	.1	347	47	388	8.20	Q	Q	Q	Q
HOUSEHOLD MEMBERS									
1.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
2.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
3 OR MORE.....	.1	278	38	314	8.20	Q	Q	Q	Q
MAIN HEATING FUEL									
NATURAL GAS.....	Q	Q	Q	Q	Q	-	-	-	-
ELECTRICITY.....	Q	Q	Q	Q	Q	-	-	-	-
FUEL OIL.....	.1	483	66	538	8.11	.1	483	66	538
OTHER.....	Q	Q	Q	Q	Q	Q	Q	Q	Q

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Oil or 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 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)
HOT WATER FUEL									
NATURAL GAS.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
ELECTRICITY.....	0.1	320	44	354	8.09	0.1	483	66	538
FUEL OIL.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
CAPACITY OF FUEL OIL/KEROSENE TANK(S)									
249 GALLONS OR LESS.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
250 TO 300 GALLONS.....	.1	223	30	245	8.05	Q	Q	Q	Q
301 TO 799 GALLONS.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
800 OR MORE GALLONS.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
NOT REPORTED.....	.1	130	18	135	7.68	Q	Q	Q	Q
TANK SIZE NOT ASKED FOR HOUSEHOLD NOT PAYING FOR FUEL OIL/KEROSENE.....	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.....	.1	257	35	288	8.19	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	200	27	216	7.88	Q	Q	Q	Q
<2,000 CDD AND <4,000 HDD.....	.1	452	62	510	8.23	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 Residential Fuel Oil or 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 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.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
AREA TYPE									
URBAN.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
RURAL.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
SMSA STATUS									
SMSA.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
NON-SMSA.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
FUEL OIL PAID BY HOUSEHOLD									
YES.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
NO.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	Q	Q	Q	Q	Q	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.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
6 OR MORE.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
SOME.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
NONE.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	Q	Q	Q	Q	Q	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									
1939 OR EARLIER.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
1940 TO 1959.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
1960 OR LATER.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
OWN/RENT									
OWN.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
RENT.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
1979 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 POOR (100 PERCENT LEVEL)..	Q	Q	Q	Q	Q	Q	Q	Q	Q
TOTAL POOR (125 PERCENT LEVEL)..	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.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
60 YEARS AND OVER.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
HOUSEHOLD MEMBERS									
1.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
2.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
3 OR MORE.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
MAIN HEATING FUEL									
NATURAL GAS.....	Q	Q	Q	Q	Q	-	-	-	-
ELECTRICITY.....	Q	Q	Q	Q	Q	-	-	-	-
FUEL OIL.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER.....	Q	Q	Q	Q	Q	Q	Q	Q	Q

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Oil or 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 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)
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.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
CAPACITY OF FUEL OIL/KEROSENE TANK(S)									
249 GALLONS OR LESS.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
250 TO 300 GALLONS.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
301 TO 799 GALLONS.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
800 OR MORE GALLONS.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
NOT REPORTED.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
TANK SIZE NOT ASKED FOR HOUSEHOLD NOT PAYING FOR FUEL OIL/KEROSENE.....	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.....	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.....	-	-	-	-	-	-	-	-	-
<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 Residential Fuel Oil or 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 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.....	0.6	459	63	499	7.86	0.5	501	69	545
AREA TYPE									
URBAN.....	.4	446	62	488	7.90	.4	474	66	519
RURAL.....	.2	486	67	522	7.78	.1	570	78	614
SMSA STATUS									
SMSA.....	.4	428	59	469	7.93	.3	448	62	493
NON-SMSA.....	.2	517	71	553	7.75	.2	611	84	655
FUEL OIL PAID BY HOUSEHOLD									
YES.....	.6	460	64	499	7.85	.5	501	69	545
NO.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	.5	449	62	487	7.85	.5	492	68	535
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	367	51	404	7.96	.2	404	56	446
6 OR MORE.....	.3	515	71	555	7.80	.3	562	78	608
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
SOME.....	.1	487	68	516	7.64	.1	509	71	540
NONE.....	.5	458	63	502	7.92	.4	502	69	551
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	.1	287	40	313	7.87	.1	318	44	346
1,000 TO 1,999.....	.2	545	75	601	7.99	.2	561	78	621
2,000 OR MORE.....	.2	461	64	490	7.68	.2	532	74	567
YEAR HOUSE BUILT									
1939 OR EARLIER.....	0.2	515	71	558	7.84	0.2	534	74	580
1940 TO 1959.....	.3	374	52	405	7.82	.2	410	57	444
1960 OR LATER.....	.1	572	79	628	7.95	.1	679	94	750
OWN/RENT									
OWN.....	.4	464	64	503	7.85	.4	517	71	563
RENT.....	.1	442	61	482	7.87	.1	450	62	491
1979 FAMILY INCOME									
LESS THAN \$10,000.....	.1	385	53	417	7.83	.1	423	59	459
\$10,000 TO \$19,999.....	.2	464	64	499	7.77	.1	517	72	557
\$20,000 TO \$34,999.....	.3	445	62	490	7.97	.2	490	68	542
\$35,000 OR MORE.....	.1	551	76	588	7.74	.1	561	77	599
TOTAL POOR (100 PERCENT LEVEL)..	Q	Q	Q	Q	Q	Q	Q	Q	Q
TOTAL POOR (125 PERCENT LEVEL)..	Q	Q	Q	Q	Q	Q	Q	Q	Q
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	.1	430	60	471	7.90	.1	477	66	522
35 TO 59 YEARS.....	.3	474	66	508	7.75	.2	487	67	524
60 YEARS AND OVER.....	.2	455	63	504	7.99	.1	541	75	599
HOUSEHOLD MEMBERS									
1.....	.1	507	70	562	8.00	.1	534	74	592
2.....	.3	443	61	484	7.89	.2	513	71	562
3 OR MORE.....	.2	457	63	490	7.76	.2	473	65	507
MAIN HEATING FUEL									
NATURAL GAS.....	Q	Q	Q	Q	Q	-	-	-	-
ELECTRICITY.....	Q	Q	Q	Q	Q	-	-	-	-
FUEL OIL.....	.5	501	69	545	7.87	.5	501	69	545
OTHER.....	.1	231	32	241	7.52	Q	Q	Q	Q

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Oil or 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 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)
HOT WATER FUEL									
NATURAL GAS.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
ELECTRICITY.....	0.5	432	60	467	7.81	0.4	464	64	503
FUEL OIL.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
CAPACITY OF FUEL OIL/KEROSENE TANK(S)									
249 GALLONS OR LESS.....	.1	412	57	455	7.98	.1	523	72	580
250 TO 300 GALLONS.....	.2	422	58	463	7.95	.2	416	57	458
301 TO 799 GALLONS.....	.1	489	68	527	7.80	.1	559	77	605
800 OR MORE GALLONS.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
NOT REPORTED.....	.1	535	74	571	7.71	.1	576	80	614
TANK SIZE NOT ASKED FOR HOUSEHOLD NOT PAYING FOR FUEL OIL/KEROSENE.....	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.....	.4	483	67	524	7.85	.4	483	67	524
OTHER/NONE.....	.1	279	38	296	7.71	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.....	.1	473	65	502	7.66	.1	517	72	548
<2,000 CDD AND 4,000 TO 5,499 HDD.....	.4	435	60	474	7.87	.3	458	63	500
<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 Residential Fuel Oil or 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 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.....	0.1	469	65	495	7.64	0.1	536	74	565
AREA TYPE									
URBAN.....	.1	465	64	494	7.67	Q	Q	Q	Q
RURAL.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
SMSA STATUS									
SMSA.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
NON-SMSA.....	.1	483	67	509	7.62	.1	536	74	565
FUEL OIL PAID BY HOUSEHOLD									
YES.....	.1	489	68	515	7.62	.1	551	76	579
NO.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	.1	478	66	503	7.63	.1	557	77	586
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.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
6 OR MORE.....	.1	496	69	515	7.51	Q	Q	Q	Q
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
SOME.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
NONE.....	.1	458	63	494	7.84	Q	Q	Q	Q
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	Q	Q	Q	Q	Q	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									
1939 OR EARLIER.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
1940 TO 1959.....	0.1	444	61	473	7.73	Q	Q	Q	Q
1960 OR LATER.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
OWN/RENT									
OWN.....	.1	487	67	512	7.62	0.1	551	76	579
RENT.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
1979 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 POOR (100 PERCENT LEVEL)..	Q	Q	Q	Q	Q	Q	Q	Q	Q
TOTAL POOR (125 PERCENT LEVEL)..	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.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
60 YEARS AND OVER.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
HOUSEHOLD MEMBERS									
1.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
2.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
3 OR MORE.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
MAIN HEATING FUEL									
NATURAL GAS.....	Q	Q	Q	Q	Q	-	-	-	-
ELECTRICITY.....	Q	Q	Q	Q	Q	-	-	-	-
FUEL OIL.....	.1	536	74	565	7.62	.1	536	74	565
OTHER.....	Q	Q	Q	Q	Q	Q	Q	Q	Q

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Oil or 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 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)
HOT WATER FUEL									
NATURAL GAS.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
ELECTRICITY.....	0.1	469	65	494	7.62	0.1	524	72	551
FUEL OIL.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
CAPACITY OF FUEL OIL/KEROSENE TANK(S)									
249 GALLONS OR LESS.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
250 TO 300 GALLONS.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
301 TO 799 GALLONS.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
800 OR MORE GALLONS.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
NOT REPORTED.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
TANK SIZE NOT ASKED FOR HOUSEHOLD NOT PAYING FOR FUEL OIL/KEROSENE.....	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.....	.1	524	73	551	7.59	.1	524	73	551
OTHER/NONE.....	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.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
<2,000 CDD AND 5,500 TO 7,000 HDD.....	.1	495	68	520	7.60	.1	523	72	549
<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 Residential Fuel Oil or 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	457	63	499	7.91	0.4	493	68	541
AREA TYPE									
URBAN.....	.3	443	61	487	7.93	.3	472	65	518
RURAL.....	.1	490	68	530	7.85	.1	561	77	612
SMSA STATUS									
SMSA.....	.4	430	60	473	7.93	.3	448	62	493
NON-SMSA.....	.1	546	75	590	7.84	.1	690	95	751
FUEL OIL PAID BY HOUSEHOLD									
YES.....	.5	454	63	496	7.90	.4	491	68	538
NO.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	.4	443	61	484	7.89	.4	480	66	526
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	353	49	391	7.99	.2	391	54	433
6 OR MORE.....	.3	518	72	563	7.86	.2	554	76	604
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
SOME.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
NONE.....	.4	459	63	503	7.94	.4	495	68	545
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	.1	253	35	276	7.88	.1	284	39	310
1,000 TO 1,999.....	.2	567	78	629	8.03	.2	575	80	640
2,000 OR MORE.....	.2	449	62	481	7.75	.1	506	70	545
YEAR HOUSE BUILT									
1939 OR EARLIER.....	0.1	541	75	587	7.85	0.1	549	76	597
1940 TO 1959.....	.2	358	49	388	7.85	.2	388	54	421
1960 OR LATER.....	.1	546	75	608	8.07	.1	655	90	736
OWN/RENT									
OWN.....	.4	458	63	501	7.92	.3	509	70	559
RENT.....	.1	453	63	494	7.87	.1	453	63	494
1979 FAMILY INCOME									
LESS THAN \$10,000.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
\$10,000 TO \$19,999.....	.1	468	65	506	7.80	.1	498	69	538
\$20,000 TO \$34,999.....	.2	452	63	501	8.00	.2	502	69	557
\$35,000 OR MORE.....	.1	511	70	554	7.88	.1	513	71	560
TOTAL POOR (100 PERCENT LEVEL)..	Q	Q	Q	Q	Q	Q	Q	Q	Q
TOTAL POOR (125 PERCENT LEVEL)..	Q	Q	Q	Q	Q	Q	Q	Q	Q
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	.1	466	64	511	7.94	.1	495	68	543
35 TO 59 YEARS.....	.2	453	63	488	7.80	.2	460	63	497
60 YEARS AND OVER.....	.1	457	63	510	8.06	.1	552	76	616
HOUSEHOLD MEMBERS									
1.....	.1	503	70	560	8.03	.1	534	74	594
2.....	.2	434	60	477	7.95	.2	513	71	567
3 OR MORE.....	.2	463	64	499	7.80	.2	458	63	493
MAIN HEATING FUEL									
NATURAL GAS.....	Q	Q	Q	Q	Q	-	-	-	-
ELECTRICITY.....	Q	Q	Q	Q	Q	-	-	-	-
FUEL OIL.....	.4	493	68	541	7.93	.4	493	68	541
OTHER.....	Q	Q	Q	Q	Q	Q	Q	Q	Q

SEE FOOTNOTES AT END OF TABLE.



Average Residential Fuel Oil or 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)
HOT WATER FUEL									
NATURAL GAS.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
ELECTRICITY.....	0.4	424	59	461	7.85	0.4	451	63	492
FUEL OIL.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
CAPACITY OF FUEL OIL/KEROSENE TANK(S)									
249 GALLONS OR LESS.....	.1	412	57	455	7.98	.1	523	72	580
250 TO 300 GALLONS.....	.1	409	57	452	7.99	.1	388	54	431
301 TO 799 GALLONS.....	.1	481	66	518	7.81	.1	552	76	598
800 OR MORE GALLONS.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
NOT REPORTED.....	.1	564	78	618	7.89	.1	606	84	663
TANK SIZE NOT ASKED FOR HOUSEHOLD NOT PAYING FOR FUEL OIL/KEROSENE.....	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	473	65	518	7.92	.3	473	65	518
OTHER/NONE.....	.1	285	39	301	7.66	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	435	60	474	7.87	.3	458	63	500
<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 1980 RESIDENTIAL ENERGY CONSUMPTION SURVEY.



Average Residential Liquid Petroleum Gas Consumption and Expenditures

Table 7. U.S. Average Residential Liquid Petroleum Gas Consumption and Expenditures—April 1980 Through March 1981, United States

HOUSEHOLD CHARACTERISTICS	ANY LIQUID PETROLEUM GAS USED					LIQUID 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.....	7.7	522	48	377	7.92	3.7	841	77	505
AREA TYPE									
URBAN.....	1.3	337	31	263	8.55	.5	539	49	410
RURAL.....	6.3	560	51	401	7.84	3.2	889	81	612
SMSA STATUS									
SMSA.....	2.6	434	40	326	8.23	1.1	709	65	515
NON-SMSA.....	5.1	567	52	404	7.80	2.5	901	82	616
LPG PAID BY HOUSEHOLD									
YES.....	7.3	524	48	380	7.93	3.6	845	77	587
NO.....	.3	454	41	325	7.84	.1	758	69	523
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	7.3	526	48	378	7.88	3.5	850	78	587
2 OR MORE UNITS.....	.4	442	40	356	8.81	.2	694	63	544
NUMBER OF ROOMS									
1 TO 3.....	1.0	417	38	314	8.26	.5	608	56	451
4 TO 5.....	3.8	506	46	365	7.90	2.1	787	72	549
6 OR MORE.....	2.8	582	53	418	7.86	1.1	1068	98	724
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	1.9	617	56	431	7.64	1.2	796	73	546
SOME.....	1.5	377	34	281	8.15	.7	627	57	439
NONE.....	4.3	531	48	388	8.01	1.9	945	86	660
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	3.4	465	42	347	8.17	1.8	699	64	501
1,000 TO 1,999.....	2.8	522	48	371	7.80	1.3	885	81	606
2,000 OR MORE.....	1.5	647	59	455	7.71	.5	1220	111	819
YEAR HOUSE BUILT									
1939 OR EARLIER.....	2.3	548	50	395	7.90	0.9	1066	97	723
1940 TO 1959.....	1.7	420	38	311	8.12	.6	829	76	576
1960 OR LATER.....	3.6	551	50	396	7.87	2.1	748	68	528
OWN/RENT									
OWN.....	6.0	530	48	381	7.86	2.9	844	77	583
RENT.....	1.7	490	45	365	8.16	.8	831	76	593
1979 FAMILY INCOME									
LESS THAN \$10,000.....	2.8	439	40	320	7.99	1.3	728	66	512
\$10,000 TO \$19,999.....	2.7	508	46	377	8.12	1.2	835	76	592
\$20,000 TO \$34,999.....	1.6	639	58	452	7.74	.8	938	86	640
\$35,000 OR MORE.....	.6	664	61	454	7.49	.3	1132	103	741
TOTAL POOR (100 PERCENT LEVEL)..	1.3	440	40	322	8.01	.6	728	66	512
TOTAL POOR (125 PERCENT LEVEL)..	1.7	453	41	334	8.08	.8	753	69	533
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	2.2	533	49	384	7.87	1.2	802	73	561
35 TO 59 YEARS.....	3.1	538	49	391	7.95	1.4	879	80	606
60 YEARS AND OVER.....	2.3	487	44	353	7.93	1.1	839	77	585
HOUSEHOLD MEMBERS									
1.....	1.2	463	42	343	8.11	.6	729	67	525
2.....	2.5	495	45	354	7.84	1.2	825	75	549
3 OR MORE.....	4.0	555	51	402	7.92	1.8	891	81	616
MAIN HEATING FUEL									
NATURAL GAS.....	Q	Q	Q	Q	Q	-	-	-	-
ELECTRICITY.....	.5	297	27	223	8.20	-	-	-	-
FUEL OIL.....	1.4	119	11	116	10.65	-	-	-	-
OTHER.....	5.7	645	59	459	7.78	3.7	841	77	585

SEE FOOTNOTES AT END OF TABLE.



Average Residential Liquid Petroleum Gas Consumption and Expenditures

Table 7. (Continued)
United States

HOUSEHOLD CHARACTERISTICS	ANY LIQUID PETROLEUM GAS USED					LIQUID 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)
HOT WATER FUEL									
NATURAL GAS.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
ELECTRICITY.....	3.3	381	35	286	8.24	1.5	665	61	477
FUEL OIL.....	.5	98	9	102	11.40	Q	Q	Q	Q
OTHER.....	3.8	702	64	494	7.71	2.2	967	88	661
MAIN HEATING EQUIPMENT USING LPG									
CENTRAL WARM AIR FURNACE.....	2.0	885	81	614	7.59	2.0	885	81	614
OTHER/NONE.....	5.6	389	36	291	8.20	1.7	787	72	549
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD.....	1.3	562	51	397	7.74	.5	1168	107	784
<2,000 CDD AND 5,500 TO 7,000 HDD.....	1.4	572	52	412	7.88	.6	1023	93	705
<2,000 CDD AND 4,000 TO 5,499 HDD.....	1.6	525	48	375	7.83	.6	1045	95	712
<2,000 CDD AND <4,000 HDD.....	1.8	489	45	355	7.95	.9	689	63	488
>2,000 CDD AND <4,000 HDD.....	1.5	473	43	355	8.23	1.0	572	52	416

SEE FOOTNOTES AT END OF TABLE.



Average Residential Liquid Petroleum Gas Consumption and Expenditures

Table 7. (Continued)
Census Region: Northeast

HOUSEHOLD CHARACTERISTICS	ANY LIQUID PETROLEUM GAS USED					LIQUID 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.....	1.3	234	21	212	9.96	0.2	899	82	732
AREA TYPE									
URBAN.....	.3	120	11	110	10.07	Q	Q	Q	Q
RURAL.....	1.0	270	25	245	9.94	.1	906	83	750
SMSA STATUS									
SMSA.....	.6	231	21	199	9.44	.1	768	70	587
NON-SMSA.....	.6	237	22	226	10.47	.1	1146	105	1003
LPG PAID BY HOUSEHOLD									
YES.....	1.3	234	21	213	9.95	.2	899	82	732
NO.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	1.1	194	18	185	10.44	.1	987	90	851
2 OR MORE UNITS.....	.1	543	50	425	8.58	.1	818	75	621
NUMBER OF ROOMS									
1 TO 3.....	.1	119	11	121	11.15	Q	Q	Q	Q
4 TO 5.....	.5	295	27	257	9.53	.2	813	74	666
6 OR MORE.....	.6	204	19	193	10.34	Q	Q	Q	Q
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	.1	129	12	146	12.38	Q	Q	Q	Q
SOME.....	.3	184	17	184	10.93	Q	Q	Q	Q
NONE.....	.9	256	23	226	9.65	.1	900	82	708
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	.4	340	31	302	9.71	.1	834	76	702
1,000 TO 1,999.....	.5	180	16	162	9.89	Q	Q	Q	Q
2,000 OR MORE.....	.4	192	18	183	10.46	Q	Q	Q	Q
YEAR HOUSE BUILT									
1939 OR EARLIER.....	0.6	194	18	190	10.75	Q	Q	Q	Q
1940 TO 1959.....	.3	139	13	137	10.79	Q	Q	Q	Q
1960 OR LATER.....	.4	351	32	294	9.16	0.1	840	77	676
OWN/RENT									
OWN.....	1.0	187	17	181	10.56	.1	1078	98	956
RENT.....	.2	454	41	363	8.77	.1	818	75	629
1979 FAMILY INCOME									
LESS THAN \$10,000.....	.3	180	16	173	10.53	Q	Q	Q	Q
\$10,000 TO \$19,999.....	.5	252	23	233	10.15	.1	862	79	745
\$20,000 TO \$34,999.....	.4	220	20	191	9.47	.1	703	64	503
\$35,000 OR MORE.....	.1	369	34	315	9.36	Q	Q	Q	Q
TOTAL POOR (100 PERCENT LEVEL)..	.1	194	18	187	10.53	Q	Q	Q	Q
TOTAL POOR (125 PERCENT LEVEL)..	.2	223	20	207	10.16	Q	Q	Q	Q
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	.3	346	32	289	9.16	.1	836	76	660
35 TO 59 YEARS.....	.6	232	21	214	10.08	Q	Q	Q	Q
60 YEARS AND OVER.....	.3	120	11	130	11.88	Q	Q	Q	Q
HOUSEHOLD MEMBERS									
1.....	.2	162	15	157	10.58	Q	Q	Q	Q
2.....	.3	162	15	165	11.16	Q	Q	Q	Q
3 OR MORE.....	.8	280	26	245	9.58	.1	945	86	734
MAIN HEATING FUEL									
NATURAL GAS.....	Q	Q	Q	Q	Q	-	-	-	-
ELECTRICITY.....	.1	127	12	113	9.79	-	-	-	-
FUEL OIL.....	.7	117	11	122	11.41	-	-	-	-
OTHER.....	.5	403	37	346	9.39	.2	899	82	732

SEE FOOTNOTES AT END OF TABLE.



Average Residential Liquid Petroleum Gas Consumption and Expenditures

Table 7. (Continued)
Census Region: Northeast

HOUSEHOLD CHARACTERISTICS	ANY LIQUID PETROLEUM GAS USED					LIQUID 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)
HOT WATER FUEL									
NATURAL GAS.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
ELECTRICITY.....	0.6	237	22	205	9.46	0.1	978	89	740
FUEL OIL.....	.3	101	9	104	11.28	Q	Q	Q	Q
OTHER.....	.4	355	32	327	10.10	.1	776	71	720
MAIN HEATING EQUIPMENT USING LPG									
CENTRAL WARM AIR FURNACE.....	.2	921	84	751	8.94	.2	921	84	751
OTHER/NONE.....	1.1	140	13	139	10.87	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD.....	.4	221	20	210	10.40	Q	Q	Q	Q
<2,000 CDD AND 5,500 TO 7,000 HDD.....	.6	234	21	207	9.67	.1	753	69	589
<2,000 CDD AND 4,000 TO 5,499 HDD.....	.2	259	24	234	9.88	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 Residential Liquid Petroleum Gas Consumption and Expenditures

Table 7. (Continued)
Census Division: New England

HOUSEHOLD CHARACTERISTICS	ANY LIQUID PETROLEUM GAS USED					LIQUID 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.....	0.5	211	19	199	10.28	Q	Q	Q	Q
AREA TYPE									
URBAN.....	.1	99	9	98	10.90	Q	Q	Q	Q
RURAL.....	.4	252	23	235	10.20	Q	Q	Q	Q
SMSA STATUS									
SMSA.....	.3	133	12	135	11.11	Q	Q	Q	Q
NON-SMSA.....	.3	281	26	255	9.94	Q	Q	Q	Q
LPG PAID BY HOUSEHOLD									
YES.....	.5	213	19	200	10.28	Q	Q	Q	Q
NO.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	.5	208	19	198	10.38	Q	Q	Q	Q
2 OR MORE UNITS.....	.1	237	22	207	9.59	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	178	10.54	Q	Q	Q	Q
6 OR MORE.....	.3	238	22	218	10.07	Q	Q	Q	Q
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
SOME.....	.1	161	15	162	11.01	Q	Q	Q	Q
NONE.....	.4	229	21	211	10.12	Q	Q	Q	Q
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	.1	265	24	248	10.22	Q	Q	Q	Q
1,000 TO 1,999.....	.3	198	18	184	10.21	Q	Q	Q	Q
2,000 OR MORE.....	.1	185	17	179	10.60	Q	Q	Q	Q
YEAR HOUSE BUILT									
1939 OR EARLIER.....	0.3	275	25	254	10.10	Q	Q	Q	Q
1940 TO 1959.....	.1	199	18	191	10.50	Q	Q	Q	Q
1960 OR LATER.....	.1	113	10	110	10.68	Q	Q	Q	Q
OWN/RENT									
OWN.....	.5	203	19	192	10.36	Q	Q	Q	Q
RENT.....	.1	271	25	244	9.85	Q	Q	Q	Q
1979 FAMILY INCOME									
LESS THAN \$10,000.....	.1	272	25	250	10.09	Q	Q	Q	Q
\$10,000 TO \$19,999.....	.2	119	11	125	11.53	Q	Q	Q	Q
\$20,000 TO \$34,999.....	.1	207	19	198	10.46	Q	Q	Q	Q
\$35,000 OR MORE.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
TOTAL POOR (100 PERCENT LEVEL)..	.1	242	22	231	10.45	Q	Q	Q	Q
TOTAL POOR (125 PERCENT LEVEL)..	.1	332	30	304	10.04	Q	Q	Q	Q
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	.1	255	23	247	10.61	Q	Q	Q	Q
35 TO 59 YEARS.....	.2	274	25	242	9.68	Q	Q	Q	Q
60 YEARS AND OVER.....	.2	110	10	119	11.78	Q	Q	Q	Q
HOUSEHOLD MEMBERS									
1.....	.1	231	21	214	10.16	Q	Q	Q	Q
2.....	.2	101	9	108	11.64	Q	Q	Q	Q
3 OR MORE.....	.3	262	24	240	10.05	Q	Q	Q	Q
MAIN HEATING FUEL									
NATURAL GAS.....	Q	Q	Q	Q	Q	-	-	-	-
ELECTRICITY.....	Q	Q	Q	Q	Q	-	-	-	-
FUEL OIL.....	.3	134	12	134	10.98	-	-	-	-
OTHER.....	.2	348	32	315	9.93	Q	Q	Q	Q

SEE FOOTNOTES AT END OF TABLE.



Average Residential Liquid Petroleum Gas Consumption and Expenditures

Table 7. (Continued)
Census Division: New England

HOUSEHOLD CHARACTERISTICS	ANY LIQUID PETROLEUM GAS USED					LIQUID 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)
HOT WATER FUEL									
NATURAL GAS.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
ELECTRICITY.....	0.2	265	24	239	9.89	Q	Q	Q	Q
FUEL OIL.....	.2	132	12	133	11.05	Q	Q	Q	Q
OTHER.....	.2	253	23	236	10.23	Q	Q	Q	Q
MAIN HEATING EQUIPMENT USING LPG									
CENTRAL WARM AIR FURNACE.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER/NONE.....	.5	149	14	147	10.80	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD.....	.2	297	27	263	9.70	Q	Q	Q	Q
<2,000 CDD AND 5,500 TO 7,000 HDD.....	.3	143	13	147	11.25	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 Residential Liquid Petroleum Gas Consumption and Expenditures

Table 7. (Continued)
Census Division:
Middle Atlantic

HOUSEHOLD CHARACTERISTICS	ANY LIQUID PETROLEUM GAS USED					LIQUID 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.....	0.7	250	23	223	9.75	0.1	840	77	676
AREA TYPE									
URBAN.....	.2	138	13	120	9.55	Q	Q	Q	Q
RURAL.....	.6	283	26	252	9.78	.1	839	77	692
SMSA STATUS									
SMSA.....	.4	294	27	241	8.95	.1	825	75	627
NON-SMSA.....	.3	199	18	202	11.12	Q	Q	Q	Q
LPG PAID BY HOUSEHOLD									
YES.....	.7	250	23	223	9.75	.1	840	77	676
NO.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	.6	183	17	176	10.50	Q	Q	Q	Q
2 OR MORE UNITS.....	.1	739	67	565	8.38	.1	853	78	650
NUMBER OF ROOMS									
1 TO 3.....	.1	102	9	105	11.28	Q	Q	Q	Q
4 TO 5.....	.3	383	35	320	9.15	.1	840	77	676
6 OR MORE.....	.3	176	16	171	10.66	Q	Q	Q	Q
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
SOME.....	.2	200	18	199	10.89	Q	Q	Q	Q
NONE.....	.5	279	25	238	9.34	.1	825	75	627
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	.3	377	34	328	9.52	.1	813	74	677
1,000 TO 1,999.....	.2	149	14	125	9.19	Q	Q	Q	Q
2,000 OR MORE.....	.3	195	18	185	10.40	Q	Q	Q	Q
YEAR HOUSE BUILT									
1939 OR EARLIER.....	0.3	127	12	138	11.90	Q	Q	Q	Q
1940 TO 1959.....	.1	79	7	83	11.52	Q	Q	Q	Q
1960 OR LATER.....	.3	474	43	388	8.97	0.1	840	77	676
OWN/RENT									
OWN.....	.6	174	16	171	10.75	Q	Q	Q	Q
RENT.....	.2	530	48	413	8.53	.1	825	75	627
1979 FAMILY INCOME									
LESS THAN \$10,000.....	.2	112	10	115	11.31	Q	Q	Q	Q
\$10,000 TO \$19,999.....	.3	363	33	324	9.77	.1	958	87	826
\$20,000 TO \$34,999.....	.2	227	21	187	9.00	.1	703	64	503
\$35,000 OR MORE.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
TOTAL POOR (100 PERCENT LEVEL)..	Q	Q	Q	Q	Q	Q	Q	Q	Q
TOTAL POOR (125 PERCENT LEVEL)..	.1	120	11	115	10.50	Q	Q	Q	Q
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	.2	386	35	308	8.74	.1	806	74	625
35 TO 59 YEARS.....	.4	204	19	195	10.45	Q	Q	Q	Q
60 YEARS AND OVER.....	.1	134	12	147	12.01	Q	Q	Q	Q
HOUSEHOLD MEMBERS									
1.....	.1	91	8	97	11.71	Q	Q	Q	Q
2.....	.2	214	20	215	10.96	Q	Q	Q	Q
3 OR MORE.....	.5	291	27	248	9.31	.1	825	75	627
MAIN HEATING FUEL									
NATURAL GAS.....	Q	Q	Q	Q	Q	-	-	-	-
ELECTRICITY.....	Q	Q	Q	Q	Q	-	-	-	-
FUEL OIL.....	.4	104	9	113	11.86	-	-	-	-
OTHER.....	.3	436	40	364	9.14	.1	840	77	676

SEE FOOTNOTES AT END OF TABLE.



Average Residential Liquid Petroleum Gas Consumption and Expenditures

Table 7. (Continued)
Census Division:
Middle Atlantic

HOUSEHOLD CHARACTERISTICS	ANY LIQUID PETROLEUM GAS USED					LIQUID 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)
HOT WATER FUEL									
NATURAL GAS.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
ELECTRICITY.....	0.4	224	20	189	9.22	0.1	775	71	545
FUEL OIL.....	.1	60	6	66	11.97	Q	Q	Q	Q
OTHER.....	.2	438	40	402	10.04	Q	Q	Q	Q
MAIN HEATING EQUIPMENT USING LPG									
CENTRAL WARM AIR FURNACE.....	.1	840	77	676	8.81	.1	840	77	676
OTHER/NONE.....	.6	133	12	132	10.93	Q	Q	Q	Q
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD.....	.2	133	12	148	12.20	Q	Q	Q	Q
<2,000 CDD AND 5,500 TO 7,000 HDD.....	.3	324	30	266	8.99	.1	820	75	638
<2,000 CDD AND 4,000 TO 5,499 HDD.....	.2	259	24	234	9.88	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 Residential Liquid Petroleum Gas Consumption and Expenditures

Table 7. (Continued)
Census Region:
North Central

HOUSEHOLD CHARACTERISTICS	ANY LIQUID PETROLUEN GAS USED					LIQUID PETROLUEN 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.....	2.1	802	73	540	7.38	1.2	1192	109	793
AREA TYPE									
URBAN.....	.1	633	58	458	7.92	.1	918	84	656
RURAL.....	2.0	812	74	545	7.35	1.1	1210	111	802
SMSA STATUS									
SMSA.....	.6	782	71	545	7.63	.4	1128	103	777
NON-SMSA.....	1.5	810	74	539	7.28	.8	1221	112	800
LPG PAID BY HOUSEHOLD									
YES.....	2.0	812	74	547	7.37	1.2	1197	109	796
NO.....	.1	427	39	305	7.82	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	2.0	811	74	546	7.37	1.2	1190	109	791
2 OR MORE UNITS.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
NUMBER OF ROOMS									
1 TO 3.....	.1	683	62	513	8.23	.1	812	74	611
4 TO 5.....	1.2	674	62	460	7.48	.7	1048	96	704
6 OR MORE.....	.8	1000	91	658	7.21	.4	1470	134	956
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	.5	1023	93	671	7.18	.4	1181	108	771
SOME.....	.3	620	57	402	7.10	.2	995	91	629
NONE.....	1.3	768	70	528	7.52	.7	1245	114	845
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	.6	648	59	447	7.55	.4	928	85	629
1,000 TO 1,999.....	.8	720	66	462	7.33	.5	1129	103	746
2,000 OR MORE.....	.6	1076	98	718	7.31	.3	1591	145	1052
YEAR HOUSE BUILT									
1939 OR EARLIER.....	0.9	782	71	517	7.24	0.4	1268	116	820
1940 TO 1959.....	.4	703	64	480	7.48	.2	1074	98	720
1960 OR LATER.....	.8	869	79	592	7.46	.5	1178	108	801
OWN/RENT									
OWN.....	1.7	825	75	555	7.36	1.0	1199	109	796
RENT.....	.4	689	63	472	7.50	.2	1152	105	774
1979 FAMILY INCOME									
LESS THAN \$10,000.....	.7	618	56	420	7.44	.4	980	90	655
\$10,000 TO \$19,999.....	.8	673	61	461	7.51	.4	1062	97	716
\$20,000 TO \$34,999.....	.4	1188	109	803	7.40	.3	1520	139	1020
\$35,000 OR MORE.....	.2	1104	101	701	6.95	.2	1395	127	877
TOTAL POOR (100 PERCENT LEVEL)..	.2	631	58	422	7.33	.1	952	87	627
TOTAL POOR (125 PERCENT LEVEL)..	.3	614	56	416	7.42	.2	912	83	607
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	.6	836	76	566	7.41	.3	1225	112	818
35 TO 59 YEARS.....	.8	855	78	576	7.39	.4	1332	122	888
60 YEARS AND OVER.....	.7	707	65	473	7.33	.4	1024	94	676
HOUSEHOLD MEMBERS									
1.....	.2	688	63	468	7.45	.2	920	84	619
2.....	.8	742	68	503	7.42	.5	1133	103	758
3 OR MORE.....	1.0	874	80	585	7.33	.5	1330	121	878
MAIN HEATING FUEL									
NATURAL GAS.....	Q	Q	Q	Q	Q	-	-	-	-
ELECTRICITY.....	Q	Q	Q	Q	Q	-	-	-	-
FUEL OIL.....	.3	115	11	97	9.17	-	-	-	-
OTHER.....	1.7	936	86	627	7.33	1.2	1192	109	793

SEE FOOTNOTES AT END OF TABLE.



Average Residential Liquid Petroleum Gas Consumption and Expenditures

Table 7. (Continued)
Census Region:
North Central

HOUSEHOLD CHARACTERISTICS	ANY LIQUID PETROLUEN GAS USED					LIQUID PETROLUEN 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)
HOT WATER FUEL									
NATURAL GAS.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
ELECTRICITY.....	0.8	587	54	405	7.56	0.4	1099	100	735
FUEL OIL.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER.....	1.3	948	87	632	7.30	.8	1234	113	819
MAIN HEATING EQUIPMENT USING LPG									
CENTRAL WARM AIR FURNACE.....	.8	1209	110	809	7.33	.8	1209	110	809
OTHER/NONE.....	1.3	540	49	367	7.44	.4	1154	105	757
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD.....	.7	733	67	495	7.40	.3	1295	118	860
<2,000 CDD AND 5,500 TO 7,000 HDD.....	.6	858	78	588	7.50	.4	1130	103	766
<2,000 CDD AND 4,000 TO 5,499 HDD.....	.7	825	75	545	7.24	.4	1175	107	768
<2,000 CDD AND >2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Average Residential Liquid Petroleum Gas Consumption and Expenditures

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

HOUSEHOLD CHARACTERISTICS	ANY LIQUID PETROLUEN GAS USED					LIQUID PETROLUEN 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.....	1.2	817	75	569	7.63	0.7	1224	112	843
AREA TYPE									
URBAN.....	.1	775	71	597	8.43	.1	775	71	597
RURAL.....	1.1	819	75	568	7.59	.6	1261	115	864
SMSA STATUS									
SMSA.....	.5	828	76	583	7.71	.3	1107	101	775
NON-SMSA.....	.7	809	74	559	7.57	.4	1333	122	907
LPG PAID BY HOUSEHOLD									
YES.....	1.2	835	76	581	7.62	.7	1224	112	843
NO.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	1.2	837	76	583	7.62	.7	1224	112	843
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.....	.7	698	64	489	7.67	.4	1083	99	746
6 OR MORE.....	.4	1026	94	701	7.48	.2	1622	148	1098
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	.2	943	86	648	7.52	.2	1072	98	732
SOME.....	.1	434	40	305	7.71	Q	Q	Q	Q
NONE.....	.8	834	76	583	7.66	.4	1319	120	912
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	.3	760	69	533	7.67	.2	976	89	677
1,000 TO 1,999.....	.5	674	62	473	7.68	.2	1159	106	799
2,000 OR MORE.....	.4	1026	94	709	7.56	.2	1598	146	1096
YEAR HOUSE BUILT									
1939 OR EARLIER.....	0.4	606	55	422	7.64	0.1	1205	110	817
1940 TO 1959.....	.2	908	83	640	7.71	.2	1124	103	787
1960 OR LATER.....	.6	940	86	652	7.59	.4	1273	116	877
OWN/RENT									
OWN.....	1.0	858	78	598	7.63	.6	1235	113	853
RENT.....	.2	625	57	434	7.60	.1	1156	106	783
1979 FAMILY INCOME									
LESS THAN \$10,000.....	.3	663	61	456	7.54	.2	1090	100	738
\$10,000 TO \$19,999.....	.5	681	62	484	7.77	.3	1036	95	724
\$20,000 TO \$34,999.....	.3	1214	111	845	7.62	.2	1636	149	1130
\$35,000 OR MORE.....	.1	984	90	650	7.23	Q	Q	Q	Q
TOTAL POOR (100 PERCENT LEVEL)..	.1	449	41	300	7.31	Q	Q	Q	Q
TOTAL POOR (125 PERCENT LEVEL)..	.1	552	50	380	7.53	.1	850	78	571
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	.4	773	71	540	7.65	.2	1228	112	849
35 TO 59 YEARS.....	.5	897	82	627	7.65	.3	1340	122	928
60 YEARS AND OVER.....	.3	750	68	518	7.56	.2	1081	99	736
HOUSEHOLD MEMBERS									
1.....	.1	603	55	427	7.75	.1	954	87	666
2.....	.5	724	66	513	7.76	.3	1112	102	778
3 OR MORE.....	.6	944	86	649	7.53	.3	1398	128	950
MAIN HEATING FUEL									
NATURAL GAS.....	Q	Q	Q	Q	Q	-	-	-	-
ELECTRICITY.....	Q	Q	Q	Q	Q	-	-	-	-
FUEL OIL.....	.2	125	11	106	9.25	-	-	-	-
OTHER.....	1.0	983	90	681	7.58	.7	1224	112	843

SEE FOOTNOTES AT END OF TABLE.



Average Residential Liquid Petroleum Gas Consumption and Expenditures

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

HOUSEHOLD CHARACTERISTICS	ANY LIQUID PETROLEUM GAS USED					LIQUID 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)
HOT WATER FUEL									
NATURAL GAS.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
ELECTRICITY.....	0.4	599	55	430	7.86	0.2	1058	97	738
FUEL OIL.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER.....	.7	969	88	667	7.54	.5	1304	119	894
MAIN HEATING EQUIPMENT USING LPG									
CENTRAL WARM AIR FURNACE.....	.5	1169	107	810	7.59	.5	1169	107	810
OTHER/NONE.....	.7	538	49	378	7.70	.2	1413	129	958
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD.....	.5	791	72	542	7.50	.2	1366	125	921
<2,000 CDD AND 5,500 TO 7,000 HDD.....	.4	779	71	558	7.85	.3	1095	100	779
<2,000 CDD AND 4,000 TO 5,499 HDD.....	.2	953	87	654	7.52	.2	1216	111	828
<2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Average Residential Liquid Petroleum Gas Consumption and Expenditures

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

HOUSEHOLD CHARACTERISTICS	ANY LIQUID PETROLUEN GAS USED					LIQUID PETROLUEN 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.....	0.9	783	71	502	7.02	0.5	1149	105	726
AREA TYPE									
URBAN.....	.1	514	47	342	7.28	Q	Q	Q	Q
RURAL.....	.8	803	73	514	7.01	.5	1145	105	723
SMSA STATUS									
SMSA.....	.1	596	54	388	7.13	Q	Q	Q	Q
NON-SMSA.....	.8	811	74	519	7.01	.5	1136	104	719
LPG PAID BY HOUSEHOLD									
YES.....	.9	781	71	500	7.01	.5	1161	106	731
NO.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	.9	777	71	497	7.01	.5	1145	105	721
2 OR MORE UNITS.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
NUMBER OF ROOMS									
1 TO 3.....	.1	563	51	395	7.68	Q	Q	Q	Q
4 TO 5.....	.4	634	58	411	7.11	.2	984	90	627
6 OR MORE.....	.4	972	89	613	6.91	.2	1348	123	841
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	.2	1109	101	696	6.87	.2	1307	119	816
SOME.....	.2	730	67	459	6.89	.1	1021	93	632
NONE.....	.5	649	59	427	7.20	.2	1089	99	703
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	.3	516	47	346	7.34	.1	848	77	548
1,000 TO 1,999.....	.4	774	71	493	6.98	.2	1099	100	695
2,000 OR MORE.....	.2	1173	107	737	6.88	.1	1580	144	983
YEAR HOUSE BUILT									
1939 OR EARLIER.....	0.4	951	87	607	6.99	0.3	1299	119	822
1940 TO 1959.....	.2	455	42	288	6.93	.1	966	88	573
1960 OR LATER.....	.3	719	66	467	7.12	.1	926	85	600
OWN/RENT									
OWN.....	.7	782	71	497	6.95	.4	1150	105	719
RENT.....	.1	783	72	528	7.38	.1	1147	105	763
1979 FAMILY INCOME									
LESS THAN \$10,000.....	.3	574	52	385	7.34	.2	879	80	577
\$10,000 TO \$19,999.....	.3	657	60	418	6.97	.1	1135	104	696
\$20,000 TO \$34,999.....	.1	1135	104	715	6.90	.1	1305	119	819
\$35,000 OR MORE.....	.2	1168	107	728	6.83	.1	1455	133	906
TOTAL POOR (100 PERCENT LEVEL)..	.1	718	66	481	7.33	.1	950	87	632
TOTAL POOR (125 PERCENT LEVEL)..	.2	656	60	441	7.35	.1	949	87	629
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	.2	958	87	615	7.03	.1	1220	111	775
35 TO 59 YEARS.....	.3	795	73	506	6.97	.2	1319	120	824
60 YEARS AND OVER.....	.3	665	61	430	7.07	.2	962	88	612
HOUSEHOLD MEMBERS									
1.....	.1	814	74	529	7.12	.1	886	81	573
2.....	.3	769	70	490	6.98	.2	1164	106	729
3 OR MORE.....	.5	786	72	505	7.03	.2	1237	113	781
MAIN HEATING FUEL									
NATURAL GAS.....	Q	Q	Q	Q	Q	-	-	-	-
ELECTRICITY.....	Q	Q	Q	Q	Q	-	-	-	-
FUEL OIL.....	.1	96	9	79	8.95	-	-	-	-
OTHER.....	.8	879	80	561	6.99	.5	1149	105	726

SEE FOOTNOTES AT END OF TABLE.



Average Residential Liquid Petroleum Gas Consumption and Expenditures

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

HOUSEHOLD CHARACTERISTICS	ANY LIQUID PETROLUEN GAS USED					LIQUID PETROLUEN 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)
HOT WATER FUEL									
NATURAL GAS.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
ELECTRICITY.....	0.3	571	52	374	7.16	0.1	1160	106	731
FUEL OIL.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER.....	.5	920	84	585	6.96	.4	1145	105	724
MAIN HEATING EQUIPMENT USING LPG									
CENTRAL WARM AIR FURNACE.....	.3	1284	117	808	6.89	.3	1284	117	808
OTHER/NONE.....	.6	543	50	355	7.16	.2	979	89	621
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD.....	.2	588	54	378	7.05	.1	1072	98	669
<2,000 CDD AND 5,500 TO 7,000 HDD.....	.2	1042	95	657	6.90	.2	1186	108	744
<2,000 CDD AND 4,000 TO 5,499 HDD.....	.5	765	70	495	7.08	.3	1150	105	731
<2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-
>2,000 CDD AND <4,000 HDD.....	-	-	-	-	-	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Average Residential Liquid Petroleum Gas Consumption and Expenditures

Table 7. (Continued)
Census Region: South

HOUSEHOLD CHARACTERISTICS	ANY LIQUID PETROLEUM GAS USED					LIQUID 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.....	3.5	455	42	337	8.12	2.0	636	58	458
AREA TYPE									
URBAN.....	.7	362	33	285	8.62	.4	436	40	352
RURAL.....	2.8	479	44	351	8.02	1.6	679	62	481
SMSA STATUS									
SMSA.....	1.1	361	33	285	8.64	.6	442	40	348
NON-SMSA.....	2.4	498	45	361	7.95	1.4	719	66	505
LPG PAID BY HOUSEHOLD									
YES.....	3.3	461	42	342	8.12	1.9	635	58	458
NO.....	.2	356	32	262	8.06	.1	666	61	463
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	3.3	460	42	338	8.06	1.9	642	59	458
2 OR MORE UNITS.....	.2	368	34	317	9.43	.1	544	50	461
NUMBER OF ROOMS									
1 TO 3.....	.6	384	35	297	8.47	.3	555	51	421
4 TO 5.....	1.7	451	41	332	8.04	1.1	615	56	438
6 OR MORE.....	1.2	494	45	365	8.09	.5	734	67	524
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	1.1	478	44	346	7.92	.7	588	54	421
SOME.....	.8	358	33	271	8.29	.5	488	45	353
NONE.....	1.5	490	45	367	8.19	.9	753	69	543
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	1.8	425	39	319	8.21	1.1	603	55	438
1,000 TO 1,999.....	1.3	482	44	356	8.10	.7	696	64	497
2,000 OR MORE.....	.4	505	46	362	7.84	.2	604	55	425
YEAR HOUSE BUILT									
1939 OR EARLIER.....	0.8	554	51	413	8.16	0.4	866	79	620
1940 TO 1959.....	.9	395	36	301	8.35	.4	682	62	492
1960 OR LATER.....	1.8	441	40	322	7.99	1.2	547	50	394
OWN/RENT									
OWN.....	2.7	466	43	343	8.07	1.6	617	56	442
RENT.....	.8	421	38	319	8.29	.4	712	65	519
1979 FAMILY INCOME									
LESS THAN \$10,000.....	1.6	400	37	300	8.20	.8	610	56	443
\$10,000 TO \$19,999.....	1.1	529	48	395	8.17	.7	719	66	519
\$20,000 TO \$34,999.....	.6	496	45	356	7.85	.4	540	49	378
\$35,000 OR MORE.....	.2	365	33	270	8.08	.1	620	57	435
TOTAL POOR (100 PERCENT LEVEL)..	.9	430	39	318	8.09	.5	678	62	484
TOTAL POOR (125 PERCENT LEVEL)..	1.1	447	41	333	8.17	.5	699	64	502
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	1.1	437	40	321	8.04	.7	596	54	427
35 TO 59 YEARS.....	1.3	462	42	342	8.10	.7	615	56	436
60 YEARS AND OVER.....	1.1	464	42	348	8.22	.6	705	64	517
HOUSEHOLD MEMBERS									
1.....	.5	430	39	335	8.51	.3	621	57	477
2.....	1.2	400	37	297	8.12	.7	585	53	419
3 OR MORE.....	1.8	499	46	365	8.01	1.0	673	61	476
MAIN HEATING FUEL									
NATURAL GAS.....	Q	Q	Q	Q	Q	-	-	-	-
ELECTRICITY.....	.3	320	29	239	8.16	-	-	-	-
FUEL OIL.....	.4	124	11	119	10.49	-	-	-	-
OTHER.....	2.8	524	48	364	8.03	2.0	636	58	458

SEE FOOTNOTES AT END OF TABLE.



Average Residential Liquid Petroleum Gas Consumption and Expenditures

Table 7. (Continued)
Census Region: South

HOUSEHOLD CHARACTERISTICS	ANY LIQUID PETROLUEN GAS USED					LIQUID PETROLUEN 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)
HOT WATER FUEL									
NATURAL GAS.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
ELECTRICITY.....	1.9	332	30	259	8.54	1.0	472	43	357
FUEL OIL.....	.1	103	9	111	11.83	Q	Q	Q	Q
OTHER.....	1.5	638	58	454	7.80	1.0	808	74	563
MAIN HEATING EQUIPMENT USING LPG									
CENTRAL WARM AIR FURNACE.....	.8	560	51	403	7.88	.8	560	51	403
OTHER/NONE.....	2.7	425	39	318	8.21	1.2	686	63	494
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	271	25	231	9.34	.1	735	67	565
<2,000 CDD AND <4,000 HDD.....	1.5	501	46	363	7.93	.9	695	63	489
>2,000 CDD AND <4,000 HDD.....	1.4	487	44	357	8.02	1.0	572	52	416

SEE FOOTNOTES AT END OF TABLE.



Average Residential Liquid Petroleum Gas Consumption and Expenditures

Table 7. (Continued)
Census Division:
South Atlantic

HOUSEHOLD CHARACTERISTICS	ANY LIQUID PETROLEUM GAS USED					LIQUID 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.....	2.4	404	37	311	8.44	1.1	604	55	449
AREA TYPE									
URBAN.....	.6	345	31	275	8.75	.3	396	36	331
RURAL.....	1.7	426	39	325	8.35	.8	679	62	492
SMSA STATUS									
SMSA.....	.9	359	33	285	8.71	.5	435	40	348
NON-SMSA.....	1.4	434	40	329	8.29	.6	733	67	527
LPG PAID BY HOUSEHOLD									
YES.....	2.2	410	37	316	8.45	1.1	608	56	453
NO.....	.1	318	29	238	8.19	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	2.2	407	37	311	8.36	1.0	610	56	448
2 OR MORE UNITS.....	.2	368	34	317	9.43	.1	544	50	461
NUMBER OF ROOMS									
1 TO 3.....	.4	277	25	236	9.32	.2	481	44	401
4 TO 5.....	1.1	417	38	316	8.29	.6	605	55	439
6 OR MORE.....	.9	442	40	338	8.39	.3	666	61	494
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	.6	477	44	353	8.09	.2	653	60	483
SOME.....	.6	317	29	252	8.70	.3	424	39	319
NONE.....	1.2	409	37	320	8.55	.6	685	63	509
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1,000.....	1.3	378	35	294	8.52	.7	583	53	435
1,000 TO 1,999.....	.7	412	38	321	8.54	.3	677	62	505
2,000 OR MORE.....	.3	489	45	357	8.00	.1	517	47	377
YEAR HOUSE BUILT									
1939 OR EARLIER.....	0.6	487	44	378	8.51	0.2	835	76	618
1940 TO 1959.....	.6	272	25	232	9.37	.1	582	53	467
1960 OR LATER.....	1.2	430	39	319	8.12	.7	535	49	392
OWN/RENT									
OWN.....	1.7	415	38	319	8.40	.9	576	53	428
RENT.....	.6	374	34	292	8.55	.3	690	63	516
1979 FAMILY INCOME									
LESS THAN \$10,000.....	1.1	313	29	250	8.74	.5	508	46	392
\$10,000 TO \$19,999.....	.7	502	46	386	8.42	.4	763	70	560
\$20,000 TO \$34,999.....	.4	483	44	355	8.04	.2	463	42	336
\$35,000 OR MORE.....	.2	354	32	264	8.16	.1	712	65	494
TOTAL POOR (100 PERCENT LEVEL)..	.6	288	26	230	8.73	.3	483	44	368
TOTAL POOR (125 PERCENT LEVEL)..	.7	306	28	248	8.84	.3	514	47	394
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	.7	432	39	322	8.17	.4	659	60	476
35 TO 59 YEARS.....	1.0	435	40	328	8.27	.5	576	53	414
60 YEARS AND OVER.....	.7	336	31	278	9.05	.3	580	53	469
HOUSEHOLD MEMBERS									
1.....	.4	384	35	315	8.97	.2	593	54	479
2.....	.8	375	34	286	8.36	.4	615	56	448
3 OR MORE.....	1.2	430	39	327	8.33	.5	600	55	438
MAIN HEATING FUEL									
NATURAL GAS.....	Q	Q	Q	Q	Q	-	-	-	-
ELECTRICITY.....	.3	353	32	261	8.11	-	-	-	-
FUEL OIL.....	.4	124	11	120	10.55	-	-	-	-
OTHER.....	1.7	480	44	366	8.34	1.1	604	55	449

SEE FOOTNOTES AT END OF TABLE.



Average Residential Liquid Petroleum Gas Consumption and Expenditures

Table 7. (Continued)
Census Division:
South Atlantic

HOUSEHOLD CHARACTERISTICS	ANY LIQUID PETROLUEN GAS USED					LIQUID PETROLUEN 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)
HOT WATER FUEL									
NATURAL GAS.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
ELECTRICITY.....	1.4	300	27	243	8.85	0.7	437	40	342
FUEL OIL.....	.1	103	9	111	11.83	Q	Q	Q	Q
OTHER.....	.9	610	56	448	8.04	.5	843	77	604
MAIN HEATING EQUIPMENT USING LPG									
CENTRAL WARM AIR FURNACE.....	.6	580	53	421	7.95	.6	580	53	421
OTHER/NONE.....	1.8	350	32	278	8.69	.6	627	57	477
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.....	.5	281	26	241	9.38	.1	768	70	595
<2,000 CDD AND <4,000 HDD.....	1.0	488	45	358	8.02	.5	727	66	512
>2,000 CDD AND <4,000 HDD.....	.8	380	35	300	8.65	.5	434	40	348

SEE FOOTNOTES AT END OF TABLE.



Average Residential Liquid Petroleum Gas Consumption and Expenditures

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

HOUSEHOLD CHARACTERISTICS	ANY LIQUID PETROLEUM GAS USED					LIQUID 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.....	0.5	553	50	389	7.70	0.4	691	63	481
AREA TYPE									
URBAN.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
RURAL.....	.5	535	49	376	7.70	.4	674	62	468
SMSA STATUS									
SMSA.....	.1	486	44	372	8.38	Q	Q	Q	Q
NON-SMSA.....	.5	559	51	390	7.64	.3	710	65	490
LPG PAID BY HOUSEHOLD									
YES.....	.5	536	49	378	7.72	.4	672	61	468
NO.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	.5	553	50	389	7.70	.4	691	63	481
2 OR MORE UNITS.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
NUMBER OF ROOMS									
1 TO 3.....	.1	739	67	515	7.64	.1	739	67	515
4 TO 5.....	.3	500	46	357	7.81	.2	664	61	467
6 OR MORE.....	.2	579	53	400	7.57	.1	717	66	488
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	.2	413	38	296	7.83	.1	494	45	351
SOME.....	.2	474	43	328	7.58	.1	653	60	440
NONE.....	.2	741	68	520	7.68	.2	852	78	594
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	.2	528	48	373	7.73	.2	618	56	434
1,000 TO 1,999.....	.3	545	50	389	7.82	.2	710	65	498
2,000 OR MORE.....	.1	672	61	440	7.18	Q	Q	Q	Q
YEAR HOUSE BUILT									
1939 OR EARLIER.....	0.2	633	58	448	7.74	0.1	779	71	543
1940 TO 1959.....	.1	632	58	431	7.47	.1	755	69	516
1960 OR LATER.....	.3	463	42	331	7.83	.2	610	56	428
OWN/RENT									
OWN.....	.5	548	50	386	7.70	.3	675	62	470
RENT.....	.1	582	53	408	7.68	Q	Q	Q	Q
1979 FAMILY INCOME									
LESS THAN \$10,000.....	.3	542	49	380	7.67	.2	720	66	496
\$10,000 TO \$19,999.....	.2	573	52	408	7.79	.2	683	62	484
\$20,000 TO \$34,999.....	.1	528	48	361	7.48	.1	629	57	426
\$35,000 OR MORE.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
TOTAL POOR (100 PERCENT LEVEL)..	.2	620	57	438	7.74	.1	825	75	574
TOTAL POOR (125 PERCENT LEVEL)..	.2	679	62	481	7.75	.1	862	79	602
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	.1	423	39	306	7.91	.1	518	47	371
35 TO 59 YEARS.....	.2	594	54	415	7.66	.2	748	68	518
60 YEARS AND OVER.....	.2	610	56	425	7.63	.1	770	70	530
HOUSEHOLD MEMBERS									
1.....	.1	629	57	438	7.62	.1	624	57	432
2.....	.2	453	41	320	7.75	.1	606	55	422
3 OR MORE.....	.2	627	57	440	7.69	.2	776	71	540
MAIN HEATING FUEL									
NATURAL GAS.....	Q	Q	Q	Q	Q	-	-	-	-
ELECTRICITY.....	Q	Q	Q	Q	Q	-	-	-	-
FUEL OIL.....	Q	Q	Q	Q	Q	-	-	-	-
OTHER.....	.5	564	52	396	7.69	.4	691	63	481

SEE FOOTNOTES AT END OF TABLE.



Average Residential Liquid Petroleum Gas Consumption and Expenditures

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

HOUSEHOLD CHARACTERISTICS	ANY LIQUID PETROLEUM GAS USED					LIQUID 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)
HOT WATER FUEL									
NATURAL GAS.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
ELECTRICITY.....	0.4	466	43	335	7.86	0.2	596	54	424
FUEL OIL.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER.....	.2	705	64	484	7.51	.1	664	79	584
MAIN HEATING EQUIPMENT USING LPG									
CENTRAL WARM AIR FURNACE.....	.1	579	53	398	7.53	.1	579	53	398
OTHER/NONE.....	.5	547	50	387	7.73	.3	726	66	506
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	207	19	170	8.98	Q	Q	Q	Q
<2,000 CDD AND <4,000 HDD.....	.3	533	49	378	7.77	.3	617	56	437
>2,000 CDD AND <4,000 HDD.....	.1	827	76	557	7.37	.1	902	82	605

SEE FOOTNOTES AT END OF TABLE.



Average Residential Liquid Petroleum Gas Consumption and Expenditures

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

HOUSEHOLD CHARACTERISTICS	ANY LIQUID PETROLUEN GAS USED					LIQUID PETROLUEN 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.....	0.6	567	52	393	7.59	0.5	669	61	460
AREA TYPE									
URBAN.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
RURAL.....	.6	587	54	406	7.58	.4	684	62	469
SMSA STATUS									
SMSA.....	.1	316	29	232	8.03	.1	430	39	309
NON-SMSA.....	.5	618	56	426	7.54	.4	705	64	483
LPG PAID BY HOUSEHOLD									
YES.....	.6	585	53	405	7.57	.5	669	61	460
NO.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	.6	567	52	393	7.59	.5	669	61	460
2 OR MORE UNITS.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
NUMBER OF ROOMS									
1 TO 3.....	.1	531	48	374	7.71	.1	574	52	401
4 TO 5.....	.3	524	48	363	7.59	.3	603	55	415
6 OR MORE.....	.1	698	64	479	7.51	.1	1016	93	686
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	.3	517	47	362	7.67	.3	577	53	402
SOME.....	.1	429	39	300	7.67	.1	613	56	417
NONE.....	.2	746	68	508	7.45	.1	938	86	631
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	.3	542	49	380	7.68	.3	646	59	449
1,000 TO 1,999.....	.2	637	58	433	7.44	.2	713	65	481
2,000 OR MORE.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
YEAR HOUSE BUILT									
1939 OR EARLIER.....	0.1	850	78	575	7.41	0.1	1161	106	773
1940 TO 1959.....	.2	637	58	438	7.54	.1	736	67	504
1960 OR LATER.....	.3	464	42	327	7.70	.3	539	49	376
OWN/RENT									
OWN.....	.5	566	52	390	7.54	.4	657	60	449
RENT.....	.1	571	52	405	7.76	.1	727	66	507
1979 FAMILY INCOME									
LESS THAN \$10,000.....	.3	615	56	424	7.55	.2	778	71	530
\$10,000 TO \$19,999.....	.1	605	55	419	7.58	.1	621	57	429
\$20,000 TO \$34,999.....	.1	515	47	356	7.57	.1	613	56	419
\$35,000 OR MORE.....	.1	396	36	286	7.89	Q	Q	Q	Q
TOTAL POOR (100 PERCENT LEVEL)..	.1	851	78	575	7.40	.1	1038	95	694
TOTAL POOR (125 PERCENT LEVEL)..	.1	810	74	548	7.41	.1	1002	92	671
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	.3	460	42	327	7.77	.2	529	48	372
35 TO 59 YEARS.....	.1	449	41	319	7.78	.1	580	53	404
60 YEARS AND OVER.....	.2	768	70	518	7.39	.2	881	80	592
HOUSEHOLD MEMBERS									
1.....	.1	504	46	351	7.63	Q	Q	Q	Q
2.....	.2	444	41	314	7.75	.1	490	45	345
3 OR MORE.....	.4	638	58	439	7.53	.3	742	68	506
MAIN HEATING FUEL									
NATURAL GAS.....	Q	Q	Q	Q	Q	-	-	-	-
ELECTRICITY.....	Q	Q	Q	Q	Q	-	-	-	-
FUEL OIL.....	Q	Q	Q	Q	Q	-	-	-	-
OTHER.....	.5	625	57	431	7.55	.5	669	61	460

SEE FOOTNOTES AT END OF TABLE.



Average Residential Liquid Petroleum Gas Consumption and Expenditures

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

HOUSEHOLD CHARACTERISTICS	ANY LIQUID PETROLEUM GAS USED					LIQUID 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)
HOT WATER FUEL									
NATURAL GAS.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
ELECTRICITY.....	0.1	310	28	229	8.11	0.1	398	36	290
FUEL OIL.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER.....	.4	661	60	453	7.51	.4	743	68	506
MAIN HEATING EQUIPMENT USING LPG									
CENTRAL WARM AIR FURNACE.....	.1	471	43	334	7.77	.1	471	43	334
OTHER/NONE.....	.5	596	54	411	7.54	.3	753	69	513
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.....	.1	522	48	366	7.67	.1	734	67	504
>2,000 CDD AND <4,000 HDD.....	.5	580	53	401	7.57	.4	656	60	450

SEE FOOTNOTES AT END OF TABLE.



Average Residential Liquid Petroleum Gas Consumption and Expenditures

Table 7. (Continued)
Census Region: West

HOUSEHOLD CHARACTERISTICS	ANY LIQUID PETROLUEN GAS USED					LIQUID PETROLUEN 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	540	49	391	7.91	0.4	786	72	531
AREA TYPE									
URBAN.....	.2	421	38	315	8.19	.1	576	53	389
RURAL.....	.6	574	52	412	7.86	.3	827	76	558
SMSA STATUS									
SMSA.....	.3	444	41	312	7.69	.1	630	58	428
NON-SMSA.....	.6	585	53	427	7.99	.3	827	76	557
LPG PAID BY HOUSEHOLD									
YES.....	.7	519	47	378	7.97	.3	781	71	524
NO.....	.1	753	69	520	7.56	.1	811	74	558
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	.8	540	49	391	7.93	.3	791	72	534
2 OR MORE UNITS.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
NUMBER OF ROOMS									
1 TO 3.....	.2	547	50	378	7.57	.1	630	58	433
4 TO 5.....	.4	533	49	377	7.74	.2	863	79	565
6 OR MORE.....	.2	548	50	439	8.77	.1	839	77	596
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	.2	610	56	441	7.91	.1	711	65	514
SOME.....	.1	336	31	265	8.63	Q	Q	Q	Q
NONE.....	.5	538	49	386	7.86	.2	838	77	546
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	.5	480	44	360	8.22	.2	703	64	476
1,000 TO 1,999.....	.2	758	69	504	7.28	.1	961	88	627
2,000 OR MORE.....	.1	471	43	348	8.08	Q	Q	Q	Q
YEAR HOUSE BUILT									
1939 OR EARLIER.....	0.1	475	43	359	8.29	0.1	705	64	489
1940 TO 1959.....	.1	381	35	269	7.74	Q	Q	Q	Q
1960 OR LATER.....	.6	586	54	422	7.88	.3	790	72	539
OWN/RENT									
OWN.....	.6	569	52	398	7.67	.3	804	73	538
RENT.....	.2	471	43	371	8.64	.1	733	67	507
1979 FAMILY INCOME									
LESS THAN \$10,000.....	.3	491	45	348	7.76	.1	755	69	511
\$10,000 TO \$19,999.....	.2	452	41	341	8.25	.1	739	67	487
\$20,000 TO \$34,999.....	.2	754	69	528	7.67	.1	819	75	559
\$35,000 OR MORE.....	.1	464	42	368	8.69	Q	Q	Q	Q
TOTAL POOR (100 PERCENT LEVEL)..	.1	443	40	322	7.95	Q	Q	Q	Q
TOTAL POOR (125 PERCENT LEVEL)..	.1	389	36	296	8.31	Q	Q	Q	Q
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	.3	498	46	358	7.86	.1	719	66	485
35 TO 59 YEARS.....	.4	602	55	441	8.02	.2	789	72	532
60 YEARS AND OVER.....	.2	486	44	345	7.76	.1	864	79	584
HOUSEHOLD MEMBERS									
1.....	.2	538	49	375	7.63	.1	747	68	513
2.....	.2	617	56	410	7.29	.1	930	85	577
3 OR MORE.....	.4	504	46	389	8.45	.1	730	67	517
MAIN HEATING FUEL									
NATURAL GAS.....	Q	Q	Q	Q	Q	-	-	-	-
ELECTRICITY.....	.1	326	30	239	8.03	-	-	-	-
FUEL OIL.....	Q	Q	Q	Q	Q	-	-	-	-
OTHER.....	.7	582	53	420	7.89	.4	786	72	531

SEE FOOTNOTES AT END OF TABLE.



Average Residential Liquid Petroleum Gas Consumption and Expenditures

Table 7. (Continued)
Census Region: West

HOUSEHOLD CHARACTERISTICS	ANY LIQUID PETROLEUM GAS USED					LIQUID 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)
HOT WATER FUEL									
NATURAL GAS.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
ELECTRICITY.....	0.1	419	38	298	7.79	0.1	741	68	502
FUEL OIL.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER.....	.7	570	52	413	7.93	.3	794	73	536
MAIN HEATING EQUIPMENT USING LPG									
CENTRAL WARM AIR FURNACE.....	.3	841	77	564	7.34	.3	841	77	564
OTHER/NONE.....	.5	371	34	293	8.65	.1	552	50	389
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD.....	.1	743	68	477	7.04	.1	799	73	510
<2,000 CDD AND 5,500 TO 7,000 HDD.....	.2	711	65	486	7.48	.1	845	77	576
<2,000 CDD AND 4,000 TO 5,499 HDD.....	.1	532	49	352	7.24	Q	Q	Q	Q
<2,000 CDD AND <4,000 HDD.....	.3	424	39	314	8.10	.1	627	57	485
>2,000 CDD AND <4,000 HDD.....	.1	320	29	338	11.56	Q	Q	Q	Q

SEE FOOTNOTES AT END OF TABLE.



Average Residential Liquid Petroleum Gas Consumption and Expenditures

Table 7. (Continued)
Census Division: Mountain

HOUSEHOLD CHARACTERISTICS	ANY LIQUID PETROLEUM GAS USED					LIQUID 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.....	0.4	739	67	487	7.21	0.3	804	73	527
AREA TYPE									
URBAN.....	.1	537	49	365	7.43	.1	576	53	389
RURAL.....	.3	780	71	512	7.18	.2	860	79	560
SMSA STATUS									
SMSA.....	.1	580	53	394	7.44	.1	626	57	423
NON-SMSA.....	.3	779	71	510	7.17	.2	852	78	555
LPG PAID BY HOUSEHOLD									
YES.....	.3	723	66	471	7.13	.2	802	73	518
NO.....	.1	811	74	558	7.53	.1	811	74	558
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	.4	741	68	488	7.21	.3	811	74	531
2 OR MORE UNITS.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
NUMBER OF ROOMS									
1 TO 3.....	.1	660	60	452	7.50	.1	634	58	434
4 TO 5.....	.2	766	70	503	7.19	.2	863	79	565
6 OR MORE.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	.1	691	63	474	7.51	.1	691	63	474
SOME.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
NONE.....	.3	773	71	502	7.12	.2	867	79	559
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	.2	711	65	480	7.40	.2	711	65	480
1,000 TO 1,999.....	.1	884	81	560	6.94	.1	1015	93	630
2,000 OR MORE.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
YEAR HOUSE BUILT									
1939 OR EARLIER.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
1940 TO 1959.....	0.1	540	49	323	6.54	Q	Q	Q	Q
1960 OR LATER.....	.3	777	71	517	7.29	0.2	793	72	526
OWN/RENT									
OWN.....	.3	735	67	477	7.11	.2	824	75	530
RENT.....	.1	752	69	519	7.56	.1	752	69	519
1979 FAMILY INCOME									
LESS THAN \$10,000.....	.1	778	71	524	7.37	.1	778	71	524
\$10,000 TO \$19,999.....	.1	680	62	443	7.14	.1	756	69	489
\$20,000 TO \$34,999.....	.1	810	74	525	7.10	.1	840	77	539
\$35,000 OR MORE.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
TOTAL POOR (100 PERCENT LEVEL)..	Q	Q	Q	Q	Q	Q	Q	Q	Q
TOTAL POOR (125 PERCENT LEVEL)..	Q	Q	Q	Q	Q	Q	Q	Q	Q
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	.1	687	63	466	7.42	.1	719	66	485
35 TO 59 YEARS.....	.2	714	65	459	7.03	.1	804	73	510
60 YEARS AND OVER.....	.1	893	82	601	7.37	.1	929	85	625
HOUSEHOLD MEMBERS									
1.....	.1	771	70	528	7.51	.1	771	70	528
2.....	.1	906	83	559	6.76	.1	935	85	576
3 OR MORE.....	.2	625	57	417	7.30	.1	729	67	481
MAIN HEATING FUEL									
NATURAL GAS.....	Q	Q	Q	Q	Q	-	-	-	-
ELECTRICITY.....	Q	Q	Q	Q	Q	-	-	-	-
FUEL OIL.....	Q	Q	Q	Q	Q	-	-	-	-
OTHER.....	.4	747	68	492	7.21	.3	804	73	527

SEE FOOTNOTES AT END OF TABLE.



Average Residential Liquid Petroleum Gas Consumption and Expenditures

Table 7. (Continued)
Census Division: Mountain

HOUSEHOLD CHARACTERISTICS	ANY LIQUID PETROLUEN GAS USED					LIQUID PETROLUEN 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)
HOT WATER FUEL									
NATURAL GAS.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
ELECTRICITY.....	0.1	729	67	483	7.26	Q	Q	Q	Q
FUEL OIL.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER.....	.3	751	69	494	7.20	0.2	811	74	531
MAIN HEATING EQUIPMENT USING LPG									
CENTRAL WARM AIR FURNACE.....	.2	853	78	555	7.13	.2	853	78	555
OTHER/NONE.....	.1	508	46	348	7.49	.1	571	52	390
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE									
<2,000 CDD AND >7,000 HDD.....	.1	788	72	503	6.99	.1	799	73	510
<2,000 CDD AND 5,500 TO 7,000 HDD.....	.2	711	65	486	7.48	.1	845	77	576
<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 Residential Liquid Petroleum Gas Consumption and Expenditures

Table 7. (Continued)
Census Division: Pacific

HOUSEHOLD CHARACTERISTICS	ANY LIQUID PETROLEUM GAS USED					LIQUID 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.....	0.4	373	34	310	9.09	0.1	698	64	549
AREA TYPE									
URBAN.....	.1	355	32	287	8.84	Q	Q	Q	Q
RURAL.....	.3	379	35	318	9.17	.1	698	64	549
SMSA STATUS									
SMSA.....	.2	389	36	279	7.84	Q	Q	Q	Q
NON-SMSA.....	.3	361	33	332	10.05	Q	Q	Q	Q
LPG PAID BY HOUSEHOLD									
YES.....	.4	376	34	312	9.09	.1	698	64	549
NO.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
TYPE OF HOUSING STRUCTURE									
SINGLE FAMILY OR MOBILE HOME..	.4	376	34	312	9.09	.1	698	64	549
2 OR MORE UNITS.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
NUMBER OF ROOMS									
1 TO 3.....	.1	456	42	318	7.64	Q	Q	Q	Q
4 TO 5.....	.2	245	22	221	9.91	Q	Q	Q	Q
6 OR MORE.....	.1	466	43	422	9.93	Q	Q	Q	Q
NUMBER OF ROOMS THAT CAN BE AIR CONDITIONED									
ALL.....	.1	538	49	411	8.37	Q	Q	Q	Q
SOME.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
NONE.....	.3	326	30	282	9.46	Q	Q	Q	Q
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)									
LESS THAN 1000.....	.3	340	31	287	9.25	Q	Q	Q	Q
1,000 TO 1,999.....	.1	474	43	378	8.73	Q	Q	Q	Q
2,000 OR MORE.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
YEAR HOUSE BUILT									
1939 OR EARLIER.....	0.1	341	31	289	9.29	Q	Q	Q	Q
1940 TO 1959.....	.1	240	22	222	10.14	Q	Q	Q	Q
1960 OR LATER.....	.3	409	37	333	8.92	Q	Q	Q	Q
OWN/RENT									
OWN.....	.3	404	37	320	8.69	0.1	723	66	571
RENT.....	.1	314	29	289	10.08	Q	Q	Q	Q
1979 FAMILY INCOME									
LESS THAN \$10,000.....	.2	348	32	260	8.19	Q	Q	Q	Q
\$10,000 TO \$19,999.....	.1	317	29	280	9.65	Q	Q	Q	Q
\$20,000 TO \$34,999.....	.1	629	57	534	9.29	Q	Q	Q	Q
\$35,000 OR MORE.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
TOTAL POOR (100 PERCENT LEVEL)..	.1	363	33	274	8.27	Q	Q	Q	Q
TOTAL POOR (125 PERCENT LEVEL)..	.1	327	30	260	8.71	Q	Q	Q	Q
AGE OF HOUSEHOLD HEAD									
UNDER 35 YEARS.....	.1	362	33	280	8.47	Q	Q	Q	Q
35 TO 59 YEARS.....	.2	459	42	418	9.97	Q	Q	Q	Q
60 YEARS AND OVER.....	.1	289	26	220	8.34	Q	Q	Q	Q
HOUSEHOLD MEMBERS									
1.....	.1	209	19	159	8.30	Q	Q	Q	Q
2.....	.1	390	36	294	8.24	Q	Q	Q	Q
3 OR MORE.....	.2	422	39	370	9.59	Q	Q	Q	Q
MAIN HEATING FUEL									
NATURAL GAS.....	Q	Q	Q	Q	Q	-	-	-	-
ELECTRICITY.....	.1	326	30	239	8.03	-	-	-	-
FUEL OIL.....	Q	Q	Q	Q	Q	-	-	-	-
OTHER.....	.3	396	36	338	9.35	.1	698	64	549

SEE FOOTNOTES AT END OF TABLE.



Average Residential Liquid Petroleum Gas Consumption and Expenditures

Table 7. (Continued)
Census Division: Pacific

HOUSEHOLD CHARACTERISTICS	ANY LIQUID PETROLEUM GAS USED					LIQUID 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)
HOT WATER FUEL									
NATURAL GAS.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
ELECTRICITY.....	0.1	216	20	177	8.97	Q	Q	Q	Q
FUEL OIL.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER.....	.4	411	38	342	9.10	0.1	717	65	558
MAIN HEATING EQUIPMENT USING LPG									
CENTRAL WARM AIR FURNACE.....	Q	Q	Q	Q	Q	Q	Q	Q	Q
OTHER/NONE.....	.4	328	30	276	9.21	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	348	32	270	8.48	Q	Q	Q	Q
<2,000 CDD AND <4,000 HDD.....	.2	418	38	311	8.14	Q	Q	Q	Q
>2,000 CDD AND <4,000 HDD.....	.1	320	29	338	11.56	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 1980 RESIDENTIAL ENERGY CONSUMPTION SURVEY.



Total and Average Residential Wood Consumption

Table 8. U.S. Total and Average Residential Wood Consumption—1980, 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.....	14.2	100.0	41.6	100.0	2.9
AREA TYPE					
URBAN.....	5.5	38.4	9.8	23.5	1.8
RURAL.....	8.8	61.6	31.8	76.5	3.6
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)					
LESS THAN 1000.....	1.7	12.0	5.8	13.8	3.4
1,000 TO 1,999.....	6.0	42.4	15.7	37.7	2.6
2,000 OR MORE.....	6.5	45.7	20.1	48.4	3.1
1979 FAMILY INCOME					
LESS THAN \$10,000.....	2.6	18.3	9.8	23.6	3.8
\$10,000 TO \$19,999.....	3.9	27.3	13.6	32.6	3.5
\$20,000 TO \$34,999.....	4.9	34.4	12.5	30.0	2.5
\$35,000 OR MORE.....	2.9	20.0	5.7	13.8	2.0
AMOUNT OF WOOD BURNED					
1/3-1 CORD.....	6.2	43.5	4.3	10.3	.7
2 TO 3 CORDS.....	4.4	31.1	10.2	24.6	2.3
4 CORDS OR MORE.....	3.6	25.4	27.1	65.1	7.5
WOOD IS MAIN HEATING FUEL					
YES.....	4.6	32.0	22.4	53.8	4.9
NO.....	9.7	68.0	19.2	46.2	2.0
WOOD BURNED IN					
FIREPLACE ONLY.....	6.6	46.7	9.6	23.2	1.5
AIRTIGHT STOVE ONLY.....	3.6	25.3	13.7	32.8	3.8
NONAIRTIGHT STOVE ONLY.....	2.1	14.4	6.7	16.2	3.3
FURNACE ONLY.....	1.1	7.4	7.0	16.9	6.6
COMBINATION OF ABOVE.....	.9	6.2	4.5	10.9	5.1
AMOUNT OF WOOD BURNED THAT WAS PURCHASED					
ALL.....	3.2	22.3	7.8	18.8	2.5
SOME.....	2.1	15.0	6.0	14.5	2.8
NONE/NOT REPORTED.....	8.9	62.7	27.7	66.7	3.1
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE					
<2,000 CDD AND >7,000 HDD.....	2.7	18.8	15.7	37.6	5.8
<2,000 CDD AND 5,500 TO 7,000 HDD.....	3.0	20.8	7.4	17.8	2.5
<2,000 CDD AND 4,000 TO 5,499 HDD.....	4.2	29.2	10.6	25.5	2.5
<2,000 CDD AND <4,000 HDD.....	3.4	23.7	6.3	15.1	1.9
>2,000 CDD AND <4,000 HDD.....	1.1	7.5	1.6	4.0	1.5

SEE FOOTNOTES AT END OF TABLE.



Total and Average Residential 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.....	3.2	100.0	12.7	100.0	4.0
AREA TYPE					
URBAN.....	1.4	43.8	3.5	27.7	2.5
RURAL.....	1.8	56.2	9.2	72.3	5.1
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)					
LESS THAN 1000.....	.2	7.0	1.3	10.5	6.0
1,000 TO 1,999.....	1.1	35.0	4.0	31.5	3.6
2,000 OR MORE.....	1.9	58.1	7.4	58.0	4.0
1979 FAMILY INCOME					
LESS THAN \$10,000.....	.3	10.6	2.1	16.5	6.2
\$10,000 TO \$19,999.....	1.1	35.3	5.6	43.8	4.9
\$20,000 TO \$34,999.....	1.1	34.9	3.4	26.9	3.1
\$35,000 OR MORE.....	.6	19.3	1.6	12.9	2.7
AMOUNT OF WOOD BURNED					
1/3-1 CORD.....	1.1	33.9	.7	5.5	.6
2 TO 3 CORDS.....	.9	28.9	2.2	17.0	2.3
4 CORDS OR MORE.....	1.2	37.2	9.9	77.5	8.3
WOOD IS MAIN HEATING FUEL					
YES.....	.9	29.1	6.9	54.6	7.4
NO.....	2.3	70.9	5.8	45.4	2.5
WOOD BURNED IN					
FIREPLACE ONLY.....	1.1	35.3	1.7	13.4	1.5
AIRTIGHT STOVE ONLY.....	1.2	37.9	5.2	40.5	4.2
NONAIRTIGHT STOVE ONLY.....	.3	10.5	1.5	11.8	4.5
FURNACE ONLY.....	.3	7.9	2.3	17.7	8.9
COMBINATION OF ABOVE.....	.3	8.4	2.1	16.6	7.8
AMOUNT OF WOOD BURNED THAT WAS PURCHASED					
ALL.....	.8	24.1	3.0	23.4	3.9
SOME.....	.6	18.5	2.3	18.0	3.9
NONE/NOT REPORTED.....	1.8	57.4	7.5	58.6	4.1
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE					
<2,000 CDD AND >7,000 HDD.....	1.1	33.0	8.1	63.8	7.7
<2,000 CDD AND 5,500 TO 7,000 HDD.....	1.4	44.2	3.4	26.6	2.4
<2,000 CDD AND 4,000 TO 5,499 HDD.....	.7	22.8	1.2	9.6	1.7
<2,000 CDD AND <4,000 HDD.....	-	-	-	-	-
>2,000 CDD AND <4,000 HDD.....	-	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Total and Average Residential 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.....	3.5	100.0	12.4	100.0	3.6
AREA TYPE					
URBAN.....	1.2	35.8	2.4	19.2	1.9
RURAL.....	2.2	64.2	10.0	80.8	4.5
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)					
LESS THAN 1000.....	.3	8.1	.9	7.2	3.2
1,000 TO 1,999.....	1.3	38.3	4.3	34.8	3.2
2,000 OR MORE.....	1.9	53.7	7.2	58.0	3.9
1979 FAMILY INCOME					
LESS THAN \$10,000.....	.6	15.9	3.2	26.1	5.9
\$10,000 TO \$19,999.....	1.0	28.2	4.0	31.9	4.0
\$20,000 TO \$34,999.....	1.3	36.9	3.7	29.9	2.9
\$35,000 OR MORE.....	.7	19.0	1.5	12.1	2.3
AMOUNT OF WOOD BURNED					
1/3-1 CORD.....	1.3	38.2	1.0	7.8	.7
2 TO 3 CORDS.....	1.0	28.8	2.3	18.8	2.3
4 CORDS OR MORE.....	1.1	33.0	9.1	73.4	7.9
WOOD IS MAIN HEATING FUEL					
YES.....	1.1	32.6	7.3	58.9	6.4
NO.....	2.3	67.4	5.1	41.1	2.2
WOOD BURNED IN					
FIREPLACE ONLY.....	1.6	44.9	2.6	21.3	1.7
AIRTIGHT STOVE ONLY.....	.6	16.5	2.8	22.7	4.9
NONAIRTIGHT STOVE ONLY.....	.5	14.8	1.6	12.8	3.1
FURNACE ONLY.....	.5	14.5	4.0	32.5	8.0
COMBINATION OF ABOVE.....	.3	9.3	1.3	10.7	4.1
AMOUNT OF WOOD BURNED THAT WAS PURCHASED					
ALL.....	.5	15.6	1.5	11.8	2.7
SOME.....	.6	16.8	1.7	13.5	2.9
NONE/NOT REPORTED.....	2.4	67.6	9.3	74.7	3.9
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE					
<2,000 CDD AND >7,000 HDD.....	1.4	39.2	6.8	54.7	5.0
<2,000 CDD AND 5,500 TO 7,000 HDD.....	1.2	33.9	3.0	24.5	2.6
<2,000 CDD AND 4,000 TO 5,499 HDD.....	.9	27.0	2.6	20.8	2.8
<2,000 CDD AND <4,000 HDD.....	-	-	-	-	-
>2,000 CDD AND <4,000 HDD.....	-	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.



Total and Average Residential 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.....	4.8	100.0	11.4	100.0	2.4
AREA TYPE					
URBAN.....	1.3	27.6	1.8	15.7	1.3
RURAL.....	3.5	72.4	9.6	84.3	2.7
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)					
LESS THAN 1000.....	.8	15.9	2.6	22.9	3.4
1,000 TO 1,999.....	2.3	46.6	4.8	42.4	2.1
2,000 OR MORE.....	1.8	37.5	4.0	34.7	2.2
1979 FAMILY INCOME					
LESS THAN \$10,000.....	1.3	27.6	3.8	33.1	2.8
\$10,000 TO \$19,999.....	1.1	23.4	2.9	25.1	2.5
\$20,000 TO \$34,999.....	1.4	29.5	3.1	27.1	2.2
\$35,000 OR MORE.....	.9	19.5	1.7	14.7	1.8
AMOUNT OF WOOD BURNED					
1/3-1 CORD.....	2.3	47.6	1.7	15.0	.7
2 TO 3 CORDS.....	1.7	34.6	4.0	34.9	2.4
4 CORDS OR MORE.....	.9	17.8	5.7	50.2	6.6
WOOD IS MAIN HEATING FUEL					
YES.....	1.9	39.0	6.1	53.3	3.2
NO.....	3.0	61.0	5.3	46.7	1.8
WOOD BURNED IN					
FIREPLACE ONLY.....	2.1	42.6	2.9	25.0	1.4
AIRTIGHT STOVE ONLY.....	1.4	29.6	4.3	37.9	3.0
NONAIRTIGHT STOVE ONLY.....	1.0	20.3	2.9	25.1	2.9
FURNACE ONLY.....	.2	3.9	.5	4.8	2.9
COMBINATION OF ABOVE.....	.2	3.6	.8	7.2	4.8
AMOUNT OF WOOD BURNED THAT WAS PURCHASED					
ALL.....	1.1	23.2	2.3	19.8	2.0
SOME.....	.7	14.3	1.6	14.1	2.3
NONE/NOT REPORTED.....	3.0	62.5	7.5	66.1	2.5
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.....	1.6	33.4	4.7	41.4	2.9
<2,000 CDD AND <4,000 HDD.....	2.2	46.1	5.2	45.3	2.3
>2,000 CDD AND <4,000 HDD.....	1.0	20.5	1.5	13.3	1.5

SEE FOOTNOTES AT END OF TABLE.



Total and Average Residential Wood Consumption

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.....	2.7	100.0	5.0	100.0	1.8
AREA TYPE					
URBAN.....	1.5	54.7	2.1	41.4	1.4
RURAL.....	1.2	45.3	2.9	58.6	2.4
MEASURED HEATED SPACE OF RESIDENCE (IN SQUARE FEET)					
LESS THAN 1000.....	.4	15.8	.9	18.1	2.1
1,000 TO 1,999.....	1.3	48.9	2.5	50.0	1.9
2,000 OR MORE.....	1.0	35.3	1.6	31.9	1.7
1979 FAMILY INCOME					
LESS THAN \$10,000.....	.4	13.8	.7	14.1	1.9
\$10,000 TO \$19,999.....	.6	23.7	1.2	23.3	1.8
\$20,000 TO \$34,999.....	1.1	39.4	2.2	44.7	2.1
\$35,000 OR MORE.....	.6	23.1	.9	17.9	1.4
AMOUNT OF WOOD BURNED					
1/3-1 CORD.....	1.5	54.5	.9	18.2	.6
2 TO 3 CORDS.....	.8	30.3	1.7	34.8	2.1
4 CORDS OR MORE.....	.4	15.2	2.4	47.0	5.7
WOOD IS MAIN HEATING FUEL					
YES.....	.6	22.3	2.0	40.0	3.3
NO.....	2.1	77.7	3.0	60.0	1.4
WOOD BURNED IN					
FIREPLACE ONLY.....	1.9	69.5	2.4	48.5	1.3
AIRTIGHT STOVE ONLY.....	.4	14.0	1.4	27.1	3.6
NONAIRTIGHT STOVE ONLY.....	.2	8.0	.8	15.0	3.5
FURNACE ONLY.....	.1	4.2	.2	3.8	1.7
COMBINATION OF ABOVE.....	.1	4.4	.3	5.6	2.3
AMOUNT OF WOOD BURNED THAT WAS PURCHASED					
ALL.....	.7	26.9	1.1	21.9	1.5
SOME.....	.3	10.1	.5	9.1	1.7
NONE/NOT REPORTED.....	1.7	63.0	3.5	68.9	2.0
HEATING DEGREES-DAYS (HDD) AND COOLING DEGREES-DAYS (CDD)--LONG-TERM AVERAGE					
<2,000 CDD AND >7,000 HDD.....	0.3	9.6	0.7	14.9	2.9
<2,000 CDD AND 5,500 TO 7,000 HDD.....	.4	13.3	1.0	19.6	2.7
<2,000 CDD AND 4,000 TO 5,499 HDD.....	.9	32.2	2.0	40.8	2.3
<2,000 CDD AND <4,000 HDD.....	1.1	42.4	1.1	22.3	1.0
>2,000 CDD AND <4,000 HDD.....	.1	2.5	.1	2.4	1.8

"-" = DATA NOT APPLICABLE.

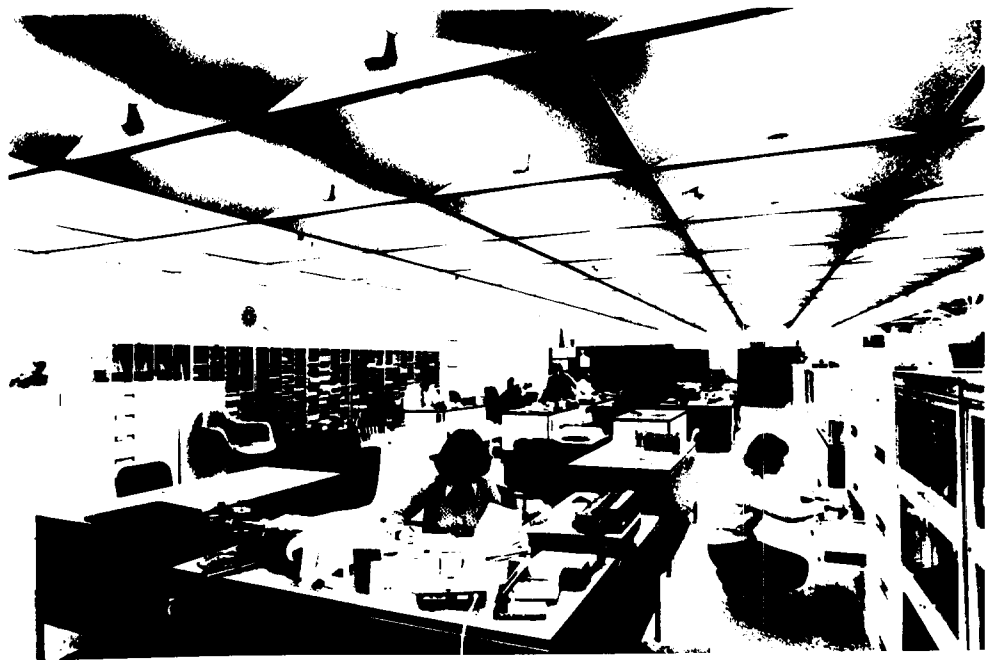
"Q" = DATA WITHHELD BECAUSE OF A LARGE VARIANCE.

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 1980 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 adult residents selected from 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

This survey is the first RECS to: use a national sample custom-designed to meet the analytic objectives for surveys of residential energy use; sample as many as 5,500 households; provide 2-day personal training sessions for interviewers; include households in Alaska and Hawaii and households on military bases; collect data on household consumption of wood; and have interviewers measure the square footage of the housing unit. Plans are to continue the RECS survey incorporating these new features and, in addition, to collect longitudinal data by revisiting a probability subsample of households at 2-year intervals.

Data Collection

The fieldwork for this study was conducted by a contractor, Response Analysis Corporation of Princeton, New Jersey. The original sample consisted of 7,338 units, of which 106 were either not used for dwelling purposes or were not habitable. Of the 7,232 habitable housing units, 598 were ineligible for this study due to a current vacancy or seasonal occupancy (occupants did not live in the units for more than half the year). Personal interviews were conducted at 5,804 of the 6,634 eligible units, for a response rate of 87.5 percent. Subsequently, mail questionnaires were sent to 648 of the 798 households that had not participated in personal interviews. Completed questionnaires were returned by 247 of these households, or 38.1 percent of those mailed. Of the total eligible households, responses were received from 91.2 percent (or 6,051 households).

The fieldwork for this study was begun in October 1980, but because the survey utilized a new sample design, materials and interviewers had to be located for a number of new sample locations. As a result, the sample work took longer to complete and the interviewing schedule was extended through April 1981. Most mail questionnaires were completed in April or May although some mail questionnaires were received in June 1981. January 1981 represents the mid-point of data collection, but November 1980 was selected as the date for determining the independent estimates of the size of the universe of households used in the ratio estimation of survey results. The primary reason for selecting November 1980 was to continue a 12-month interval between survey dates which had been

¹The Household Transportation Panel is a survey of household automobile usage and gasoline consumption using rotating subsamples from the residential survey. Data for the Household Transportation Panel were collected for the period June 1979 through September 1981. Data for the first 19 months are reported in: Residential Energy Consumption Survey: Consumption Patterns of Household Vehicles, June 1979 to December 1980, DOE/EIA-0319, April 1982.



Appendix A (Continued)

The Interview

established for the NIECS and Screener surveys². In addition, future RECS surveys are planned so that November is the mid-point of data collection.

The average personal interview lasted 58 minutes with 80 percent of the interviews lasting between 35 and 86 minutes. The interview covered: structural features of the house related to energy such as insulation, doors, and windows; the heating and cooling systems and the fuels used in these systems; use of wood; energy conservation efforts; household appliances; vehicles and commuting to work; participation in a Government-sponsored weatherization program or energy audit; and demographic data on household members. (The questionnaire is reproduced in Appendix D of the report, Residential Energy Consumption Survey: Consumption and Expenditures--April 1980 Through March 1981, Part 1: National Data.)

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 the housing unit 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.)

Interviewers

During the period September 24 to November 1, 1980, 323 interviewers attended one of the 41 training sessions held in one of 37 locations around the country. Each session was led by a trainer, most of whom had participated in a prior 4-day workshop in Princeton, New Jersey. The 2-day training session for interviewers covered interviewing techniques in general, background of the residential energy consumption surveys, the household questionnaire, how to measure the square footage of the respondents' homes, the sampling tasks, and administrative requirements.

The training session also included a practice interview with another interviewer serving as respondent. Self-corrected tests were used in the training. The basic training document was a 62-page, "Instructions for Interviewers".

Each interviewer was required to submit a practice interview for review by Response Analysis Corporation before proceeding to interview at the assigned housing units.

Most of the 346 interviewers used in this survey had previous interviewing experience. About 20 percent had worked on previous RECS surveys; most of the remainder were conducting their first RECS survey but had other interviewing experience either with other survey research organizations or with the U.S. Bureau of the Census. Fewer than 20 percent of the interviewers had no previous interviewing experience. The need for recruiting new interviewers will decrease in the future as trained interviewers become available in each Primary Sampling Unit (PSU). Of the 323 interviewers who attended training sessions, 294 completed one or more interviews. Another 52 interviewers received individual training prior to conducting interviews.

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

²See Glossary for description of NIECS and Screener Surveys.



Appendix A (Continued)

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 17 interviews. Fifty-one interviewers each completed fewer than 6 interviews; the average for this group of 51 interviewers was 2.9 completed interviews. The most interviews completed by one interviewer was 72. 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 1980 estimates was selected using a probability sampling design developed especially for the Residential Energy Consumption Survey (RECS). The 1980 survey represents the first time the design was used. 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 which are 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), 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, similar weather conditions. Some PSU's comprising all or part of large metropolitan areas were large enough in population to comprise a stratum by themselves; 31 of the PSU's are of this type and are called self-representing (SR) because the sample from that 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 are called nonself-representing (NSR) PSU's 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. Finally, 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. Definition of urban/rural and metropolitan statistical areas is based on definitions using the 1970 Census results. These definitions will be updated at some time in the future to use results from the 1980 Census.

The 131 PSU's were selected in early 1980. The population size 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. For selection within PSU's, 1980 projected household counts for sub-areas of the PSU were used. The projections were based on data for minor civil divisions (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.



Appendix A (Continued)

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 1,667 of which 152 clusters were for a supplementary sample of 500 households described below.

A supplementary sample of 500 households was a special feature of the design. This sample was selected by first combining the 131 original strata into 25 combined strata. Two of these combined strata consisted of only one PSU. Within each of the other combined strata, one PSU was selected with a probability proportionate to its size. The supplementary sample constitutes a national sample on its own, but is included here with the larger national sample to increase the precision of the estimates and because no special use was made of the supplementary sample households. There were early plans to use these households as a test for energy audit procedures and for reinterviews to check the reliability of information. Due to budgetary limitations, these reliability checks were not undertaken.

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" used in this survey is the same as that used by the Bureau of the Census. At the time of the survey, November 1980, the universe was estimated to contain 81,645,000 households based on the 1980 Census and Current Population Survey (CPS) estimates of the population updated by the 1980 Census.

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 8.8 percent of the eligible units.

The adjustment for these noninterviews was designed to spread the effects of noninterviews over the interviewed sample of households in the final cluster. This same procedure was used in the National Interim Energy Consumption Survey (NIECS) and the Screener Survey (see Glossary), but because the cluster size is smaller for the RECS (approximately four households, on the average, for the RECS as compared with about 10 for the NIECS), the effects were spread over additional clusters within the PSU whenever the adjustment exceeded 2.0. In these cases, only 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. 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.



Appendix A (Continued)

This tactic reduces the number of missed households but does not eliminate the noncoverage problem altogether.

The noncoverage problem is also treated by using ratio estimations to adjust selected estimates of households to official population values. Ratio adjustment took place in two stages for the 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 first-stage adjustment for cell C was given by:

$$R_{1c} = \frac{N_c}{N'_c}$$

where N_c is the total number of households (1970 Census Population) in cell C for all PSU's in the RECS NSR strata, and

N'_c is an estimate of N_c generated by applying RECS PSU sampling weights to 1970 Census household totals for cell C in RECS NSR sample PSU's.

The implementation of this factor reduced somewhat the amount of variance due to the sampling of 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 A1. The second-stage adjustment for category k was given by

$$R_{2k} = \frac{H_k}{H'_k}$$

where H'_k is the RECS estimate of the total number of households in category k, and

H_k is an independent estimate of the total.

The numerator is based on a linear interpolation of values for each of the 12 cells between the 1980 Census figure and Current Population Survey estimate for March 1981. The second-stage factor reduced both the between PSU variance and the within PSU variance. An additional effect of applying this factor is that the final sample estimate of the number of households for each cell shown in Table A1 equals the control estimate.

Table A1. Population Estimates
Used as Controls in Ratio
Estimates

Census Region	SMSA- Central City	SMSA-Outside Central City	Non-SMSA	Total
Northeast.....	5,901,000	8,018,500	3,748,900	17,668,400
North Central...	5,862,400	7,969,700	7,242,100	21,074,200
South.....	7,251,100	8,074,800	11,625,300	26,951,200
West.....	5,312,700	7,238,600	3,399,900	15,951,200
Total.....	24,327,200	31,301,600	26,016,200	81,645,000

Source: Estimates derived from the 1980 Decennial Census and Current Population Surveys.



Appendix A (Continued)

Minimizing Nonresponse

In an effort to maximize the validity of the survey data, a multi-wave, multi-contact approach was employed. Prior to the initial contacts, two letters were sent to each household. A letter from the Administrator of the Energy Information Administration briefly described the purposes and stressed the importance of the survey. A subsequent letter from the contractor announced the impending arrival of the interviewer. To elicit rapport and cooperation, a \$2 incentive was given to the respondent before the interview. Ninety-three percent of the respondents accepted the \$2.

Beginning in October 1980, interviewers made up to seven or more call-backs at different times of the day and 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, 106 addresses were found to be nonresidential and an additional 551 were found to be ineligible. Some 5,261 personal interviews were completed leaving 1,420 nonrespondents in this wave.

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 47 addresses were found to be ineligible. Also, some 32 previously contacted potential respondents had moved and were removed from consideration. As a result of the second wave, an additional 521 interviews were completed leaving 820 nonrespondents.

A third wave was initiated in an effort to reach nonrespondents in locations that had low completion rates. The third wave produced 22 additional personal interviews.

In a final attempt to reduce nonresponse, an abbreviated version of the questionnaire (adapted for self-administration) was mailed to the remaining nonrespondents. The \$2 incentive was included in the mailing. As a result of this effort, 247 additional households responded.

After three waves of personal interview attempts and one mailed questionnaire, 551 households had not responded and 32 households had moved leaving a total of 583 nonrespondents or 8.8 percent of all eligible housing units. These results are displayed in Table A2.

These efforts were successful in accomplishing the following:

- Approximately 88 percent of the households were contacted and agreed to be interviewed personally. An additional 3.7 percent of the sample households completed and returned mailed questionnaires.
- Of the 6,051 responses, 86.9 percent were obtained during the first wave of contacts, 8.6 percent were obtained during the second wave, and less than 0.4 percent resulted from third-wave contacts. Some 4.1 percent were responses to the mailed questionnaire.
- Of all households which participated in the personal interviews, 33.3 percent required only one visit and 74.1 percent were completed with no more than two call-backs.



Appendix A (Continued)

- A total of 199 personal interviews were completed in the second and third waves with respondents who had previously refused to participate, representing 3.4 percent of all completed personal interviews. In addition, of the 247 mailed questionnaires which were completed and returned, 152 were from households which previously refused to participate.

Table A2. Interviews Completed by Stage

Characteristic	Personal Interviews			Status After	Mail	Final Status
	First Wave	Second Wave	Third Wave	Third Wave		
Total Listed Units.....	7,338	1,420	820	7,338	798	7,338
Non-Housing Units						
Business, Other.....	43	-	-	43	-	43
Not Habitable.....	38	-	-	38	-	38
Non-Housing Unit.....	25	-	-	25	-	25
Subtotal.....	106	-	-	106	-	106
Housing Units.....	7,232	1,420	820	7,232	798	7,232
Ineligible Units						
Vacant.....	393	37	-	430	-	430
Seasonal.....	158	10	-	168	-	168
Subtotal.....	551	47	-	598	-	598
Eligible Units.....	6,681	1,373	820	6,634	798	6,634
Not Completed--Personal						
Moved After Contact...	-	32	-	32	-	32
No One Home.....	575	194	16	145	-	145
Eligible Respondent						
Not Home.....	40	15	-	12	-	12
Refused.....	669	406	16	^a 555	-	^a 555
Illness.....	38	8	-	8	-	8
Language Barrier.....	27	7	-	9	-	9
Wrong Respondent or						
Unit.....	2	5	-	2	-	2
Not Contacted.....	33	154	757	23	-	23
Other.....	36	31	9	44	-	44
Subtotal	1,420	820	798	798	-	798
Not Completed--Mail						
Unusable Address.....	-	-	-	-	55	55
Post Master Return....	-	-	-	-	61	61
Returned Blank.....	-	-	-	-	51	51
Returned Unusable.....	-	-	-	-	3	3
Not Returned.....	-	-	-	-	284	284
Other Not Mailed.....	-	-	-	-	97	97
Subtotal	-	-	-	-	551	551
Total Interviews Completed.....	5,261	521	22	5,804	247	6,051

^aA 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 series.

Source: 1980 Residential Energy Consumption Survey.



Appendix A (Continued)

Evaluation of Response and Nonresponse Characteristics

This section of the report will compare various response and nonresponse rates across Census regions, location, and structure type. These rates are reported in Table A3.

Several patterns are clear from Table A3. First, personal interviews enjoyed the most success in the South (89.8 percent), in non-SMSA areas (91.4 percent), and among residents of mobile homes (90.9 percent). Conversely, the interviewers had their lowest success rates in the Northeast (83.8 percent), SMSA central cities (83.3 percent), and in buildings with five or more residential units (79.0 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 more likely that they overlap. That is to say, the Northeast has a high concentration of central cities and large apartment buildings.

The categories which were least successful for the personal interviewers were the most responsive for the mailed questionnaire. The opposite situation also holds: the categories where personal interviewers had the most success were the least responsive to the mailed questionnaire.

An added factor with regard to the results of the mail questionnaire could be the number of potential respondents who received the mail questionnaires. For example, the Northeast had a higher response rate since more were mailed out to that area of the country. This indeed turns out to be the case. Response rates by region for only those respondents to whom questionnaires were mailed are virtually the same (data not shown).

Table A3. Response Rates by Region, Location, and Type of Structure
(Percent of Eligible Housing Units)

Characteristic	Response Rates			Personal Interviews Nonresponse Rates	
	Personal Interview	Mail Questionnaire	Total Response	Refuse	Unable to Contact
Total.....	87.5	3.7	91.2	8.6	3.9
Census Region					
Northeast.....	83.8	4.9	88.7	10.5	5.7
North Central.....	87.4	3.7	91.1	9.0	3.6
South.....	89.8	3.1	92.9	6.8	3.4
West.....	87.9	3.5	91.4	8.8	3.3
Location Type					
SMSA Central City....	83.3	5.5	88.8	10.1	6.5
SMSA Other Urban....	85.9	4.7	90.6	10.9	3.1
SMSA Rural.....	89.3	2.9	92.2	8.5	2.2
Non-SMSA.....	91.4	1.9	93.3	5.6	3.0
Structure Type					
Single-Family House..	88.9	3.3	92.2	6.4	2.7
Mobile Home.....	90.9	2.1	93.0	8.4	2.7
Buildings with 2-4 Units.....	86.5	4.4	90.9	8.6	4.9
Buildings with 5 or More Units.....	79.0	6.4	85.4	10.7	10.3

Source: 1980 Residential Energy Consumption Survey.



Appendix A (Continued)

Adjustment for Item Nonresponse

The total response rate patterns with regard to highest and lowest rates are not affected by the addition of the responses to the mailed questionnaire. However, the range from highest to lowest decreases with only one exception. The highest "refusal" and "unable to contact" rates correspond to the lowest success rates for the personal interviews, the exception being that noncentral city SMSA urban areas have a higher refusal rate (10.9 percent) than the SMSA central city areas (10.1 percent). The lowest refusal rate categories match the highest personal interview success groups.

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 which were to be used for making national estimates and items which 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; and the cost of adding storm windows, doors, and 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 which has the same value for the related variables and this "donor" household supplies the value for the variable which is missing in the "donee" household.

Less frequently used imputation methods included regression estimates and use of modal values. Regression procedures were used to impute the total square footage of the housing unit in 3 percent of the cases where all data were missing. A 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. Table A4 shows the most frequently imputed items, the number of cases requiring imputation, and the method used.

The 247 mail questionnaires had considerable missing data since the mail questionnaire was a small subset of questions from the household interview. For the mail questionnaires, the hot-deck imputation method was used. Households were selected by sorting the file by Census region, type of structure, space-heating fuel, hot water fuel, air-conditioning fuel, number of rooms, and number of persons in the household. The donor household was matched on these characteristics and the entire set of responses from the donor household was imputed to the mailed questionnaire household. This meant that all the responses for the mailed questionnaire households were imputed except for the seven matching items, weather data, fuel consumption data acquired from the household's fuel suppliers, and the geographical location of the mail questionnaire household.



Appendix A (Continued)

Table A4. 1980 RECS Items
Most Frequently Imputed

Item	Cases Imputed	Percent of Total Sample ^a (6,051)	Method of Imputing
1979 Family Income.....	787	13	Hot-deck
Same Main-Heating Fuel Used Last Winter.....	422	7	Hot-deck, but no cases were imputed as having changed fuels.
Most-Used Oven is/is Not Microwave.....	281	5	Hot-deck
Availability of Natural Gas.....	254	4	Hot-deck
Year House Was Built.....	241	4	Hot-deck
Square Footage of Housing Unit.....	b	b	b
Central Heating System for the Building.....	183	3	Hot-deck
Condominium or Cooperative.....	167	3	Hot-deck
Central Water-Heating System for the Building.....	122	2	Hot-deck
Second Oven is/is Not a Microwave.....	115	2	Hot-deck
Hispanic.....	109	2	Hot-deck
Self-Cleaning Features of Most-Used Oven.....	79	1	Hot-deck
Warm Air Forced Through Ducts.....	78	1	Hot-deck
Number of Cords of Wood Burned.....	74	1	Hot-deck
Age of Respondent.....	67	1	Hot-deck
Type of Freezer Compartment in Most-Used Refrigerator...	53	1	Hot-deck
Age of Second Person in Household.....	49	1	Hot-deck
Most-Used Freezer is/is Not Frost-Free.....	44	1	Hot-deck
Energy Used by Second Oven..	38	1	Hot-deck
Employment Status of Third Person in the Household.....	37	1	Hot-deck

^aMail questionnaires are not included in the percent. To account for these, add 4 percentage points to the percent listed.

^bSee Appendix B for details on the square footage imputations.

Source: 1980 Residential Energy Consumption Survey.

Rental Agent Survey

Telephone and/or in-person interviews were carried out with rental agents and landlords of selected RECS households who did not pay directly to utility companies and fuel suppliers for household fuel use. The primary purpose of the rental agent survey was to obtain additional information on fuels for specified end uses and on actual fuel consumption for buildings containing these households. The rental agent survey was limited to those primary sampling units where there were at least three or more households whose fuel was included in their rent.



Appendix A (Continued)

After an advance letter from EIA, telephone interviews were attempted wherever it was possible to reach the rental agent or his/her deputy by phone. Telephone interviewing was conducted during the week of June 22, 1981.

Personal interviews were conducted under the following circumstances: when it was not possible to reach the rental agent by telephone; where interviewer travel costs would not be excessively high; and when a signed authorization had not been received. The personal interview included a request for the rental agent's signature on an authorization form that would permit Response Analysis Corporation to contact utility companies for building consumption data.

Rental agents whose utility bills covered nonresidential purposes were not requested to sign an authorization form if 5 percent or more of the billing was for nonresidential purposes. Personal contacts were made during July and early August 1981.

Altogether, 283 rental agents were interviewed by telephone or in-person. These 283 interviews covered 551 households in 346 structures.

In those cases when a discrepancy occurred between the rental agent's report and the household's report, the rental agent's report was accepted as the "true" one. Altogether, 104 changes were made, 31 in the main heating fuel, 27 in supplementary heating fuel, 40 in water-heating fuel, and 6 in air-conditioning fuel.

The fuel consumption records acquired from the fuel suppliers will be used to determine whether modifications should be made in the consumption imputations for households not paying their own fuel bills. Preliminary results of this analysis are found in a later section, "Bias in Estimates of Fuel Usage in Apartments".

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. All keypunching 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. In the event that these efforts failed to resolve the problem, the contractor made telephone contact with a member of the household in question.

Additional editing resolved discrepancies among the household interview, the rental agent survey, and the information from fuel suppliers. For example, information on the fuel used in apartment buildings was taken from the rental agent survey to correct the data from the household. In other cases, the supplier's records provided evidence on what fuel was a main source of heat. The data, therefore, do not always represent the respondents' reports, exclusively.



Appendix A (Continued)

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.¹ For each of the fuels, the goal was to obtain complete consumption records for the year April 1, 1980, through March 31, 1981.

Toward the end of the household interview, each household reported for each fuel used, 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 1,289 companies. The number of companies in the survey supplying each fuel and the total number of households supplied are shown in Table A5.

Table A5. Companies in Fuel Supplier Survey and Number of Households Supplied

Fuel Supplier	Number of Companies ^a	Number of Survey Households Supplied ^b
Electricity.....	297	5,239
Natural Gas.....	156	2,913
Fuel Oil/ Kerosene.....	630	818
LPG.....	269	495

^aThe total number of companies in the survey was 1,289. These included 44 that supplied both electricity and natural gas; one that supplied electricity, natural gas, and LPG; and 17 that supplied fuel oil and LPG.

^bThese figures represent the number of households who signed an authorization form and who paid directly to the utility company for all uses of fuel. Excluded are 25 fuel-oil households and 10 LPG households supplied by unknown companies.

Source: 1980 Residential Energy Consumption Survey.

¹Households 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 collected during the household interview, since it was not practical to collect these data from suppliers as is done with the major home fuels.



Appendix A (Continued)

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 their 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/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.¹ 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 in order to identify the correct record in the company files.

¹The test was based on requests for fuel oil or LPG consumption records for 137 households. Households were randomly divided into two groups, with two-thirds of the households in the mail-back procedure, and one-third in the telephone procedure. Reminder telephone calls were made to companies for which the mailed procedure was used. Data were received for 89 percent of households in the telephone procedure (Sample size=46) and for 74 percent of households in the mail-back procedure (Sample size=91). Response rates are based on companies with good mailing addresses and telephone numbers. In addition to a higher response rate suggested by the results for the telephone procedure, telephone contacts are useful in reducing the number of ambiguities which appear in records submitted by mail.



Appendix A (Continued)

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.

The lack of records is most serious for households using natural gas and fuel oil or kerosene (see Table A6). About one in six of these households have no records because their consumption is included in the rent or paid for in some way other than by a direct payment of the household to a fuel supplier. (See "Rental Agent Survey" which describes one method used to acquire records for these types of households.)

The proportion of households that did not sign authorization forms (access to records denied) was in the range of 6 to 8 percent for the 4 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. However, to maximize the number of households with

Table A6. Energy Consumption Records and Missing Data for Survey Households Using Electricity, Natural Gas, Fuel Oil/Kerosene, or LPG (Percent of Households Using the Fuel)

Survey Households	Elec- tric- ity	Natural Gas	Fuel Oil/ Kerosene	LPG
Total Households Using the Fuel.....	100.0	100.0	100.0	100.0
(Sample Number).....	(6,048)	(3,725)	(1,132)	(574)
Usable Records Received from Fuel Supplier ^a	82.5	75.2	54.6	65.5
Unusable Records Received from Fuel Supplier.....	2.5	1.5	10.9	11.2
Household Pays Directly to Supplier--No Record Available for the Household.....	8.0	7.2	16.2	19.0
Household Not Identified in				
Company Records.....	1.4	1.4	5.6	9.2
Company Refused to Participate...	0.2	0.1	1.2	0.4
Company Unknown or Not Located...	-	-	2.2	1.7
Authorization Form Not Signed....	6.4	5.7	7.2	7.7
Fuel Used Included in Rent or Paid in Other Way ^b	7.0	16.1	18.3	4.3

^aData 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.

^bIncludes 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.

Source: 1980 Residential Energy Consumption Survey.



Appendix A (Continued)

records a follow-up request was mailed to those who did not sign a form at the time of the personal interview. About 4 percent of this group returned signed forms in response to the mailed request, and therefore were included in the fuel supplier survey.

Table A6 shows that factors affecting nonresponse are somewhat different for fuel oil/kerosene and LPG than they are for electricity and natural gas. For example, the most frequent reason for nonresponse from fuel oil/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/kerosene and LPG, but not to electricity and natural gas, was the inability to locate the fuel oil/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 a significant factor only for fuel oil/kerosene companies.

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 were mailed to utility companies during the first two weeks of April 1981. The cut-off date for receipt of usable information was September 30, 1981.

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 A6. The problem of unusable records is small for the metered fuels. For electricity, 3 percent of the records covered less than 146 days and therefore were labeled unusable. The rate for natural gas was smaller at 2 percent. However, for fuel oil, kerosene, and LPG, the problem of unusable records is more serious inasmuch as 11 percent of these records are 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.¹ Information from the respondent (number of deliveries, number of suppliers used, estimated gross usage) is used as a basis for declaring a record incomplete. This same information has not been used to reconstruct an incomplete record.

Households with unusable records, as described above, 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 were available and acceptable. Separate regression models were developed for the four fuels; electricity, natural gas, fuel oil/kerosene, and LPG. Fuel oil and kerosene were treated as if they were identical fuels. The number of kerosene users in the sample is very small and the number of usable consumption records for these households is even smaller, since many kerosene users are "cash and carry" customers who leave no records

¹The number of households with partial year records, as a proportion of total households, is 6.4 percent for electricity and 5.8 percent for natural gas.



Appendix A (Continued)

of their transactions. Despite the desirability of treating kerosene users separately, the small number of cases is not expected to give reliable results. Consequently, the two fuels are treated as identical.

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 the other fuels, dominance of the heating component was acknowledged, and modeling was by end use instead of structure type. This entails one model for all cases where the modeled fuel is used as the main heating fuel and a separate model for cases where the fuel is used only for appliances and/or hot water. Apart from electricity then, all structure types are modeled simultaneously with an allowance for differentiation of structure types within the models by inclusion of dummy variables (for each type of structure). 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, appliances, and income. The electricity models also contained a price variable which was calculated from the survey data. The fuel oil and LPG models also contained a variable on fuel wood burned. Fuel expenditures were imputed by applying a cost factor to the imputed consumption. The cost factor 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 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, 1980, and March 31, 1981. 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. See "April 1980 through March 1981" in the Glossary for estimates for calendar year 1980.

The 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 5 percent of the sample households.

A final adjustment was made to all imputed fuel quantities. In order to maintain the variance structure of the unimputed fuel consumption data, rather than imputing 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 A7 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 (89.3 percent of the units) and natural gas (89.7 percent) than for fuel oil/kerosene (68.4 percent) or liquid petroleum gas (70.0 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 18.8 percent of the apartments in large buildings that used natural gas and for almost none (1.4 percent) of those using fuel oil or kerosene. Liquid petroleum gas is infrequently used in large apartment buildings. Electricity data for these apartments were obtained in just more than one-half of the cases (54.9 percent).



Appendix A (Continued)

Table A7. Energy Consumption Records and Missing Data for Survey Households Using Electricity, Natural Gas, Fuel Oil/Kerosene, or LPG by Type of Housing Structure (Percent of Households Using the Fuel)

Type of Fuel	Total Households Using the Fuel	Mobile Home	Single-Family	2 to 4 Units	5 or More Units
Electricity.....	100.0	100.0	100.0	100.0	100.0
(Sample Number).....	(6,048)	(348)	(4,283)	(709)	(708)
Usable Record.....	82.5	78.7	89.3	71.2	54.9
Unusable Record ^a	2.5	4.0	2.0	3.5	4.0
Records Not Available.....	8.0	7.8	7.3	10.4	9.5
Fuel Used is Included in Rent or Paid in other Ways ^b	7.0	0.5	1.4	14.8	31.6
Natural Gas.....	100.0	100.0	100.0	100.0	100.0
(Sample Number).....	(3,725)	(116)	(2,603)	(538)	(468)
Usable Record.....	75.2	70.7	89.7	55.2	18.8
Unusable Record ^a	1.5	0.9	1.5	2.4	1.1
Records Not Available.....	7.2	6.9	7.1	8.7	5.8
Fuel Used is Included in Rent or Paid in Other Ways ^b	16.1	21.6	1.7	33.6	74.4
Fuel Oil/Kerosene.....	100.0	100.0	100.0	100.0	100.0
(Sample Number).....	(1,132)	(59)	(781)	(146)	(146)
Usable Record.....	54.6	47.5	68.4	37.0	1.4
Unusable Record ^a	11.0	23.7	12.4	8.9	0
Records Not Available.....	16.2	23.7	18.7	14.4	1.4
Fuel Used is Included in Rent or Paid in Other Ways ^b	18.3	5.1	0.5	39.7	97.3
LPG.....	100.0	100.0	100.0		
(Sample Number).....	(574)	(142)	(143)	(22)	(7)
Usable Record.....	65.5	58.5	70.0	(9)	(2)
Unusable Record ^a	11.2	15.5	9.7	(2)	(1)
Records Not Available.....	19.0	19.0	18.4	(6)	(2)
Fuel Used is Included in Rent or Paid in Other Ways ^b	4.4	7.0	2.0	(5)	(2)

^aData 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.

^bIncludes 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.

The reason consumption and expenditures data are so often imputed for multi-unit 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.



Appendix A (Continued)

Bias in Estimates of Fuel Usage in Apartments

Other segments of the data where the lack of usable records may lead to an imputation bias include: natural gas and fuel oil/kerosene for apartments in smaller buildings (2 to 4 units per building); fuel oil/kerosene and LPG used in mobile homes. Usable records in these segments were obtained for between 37.0 percent and 58.5 percent of the households.

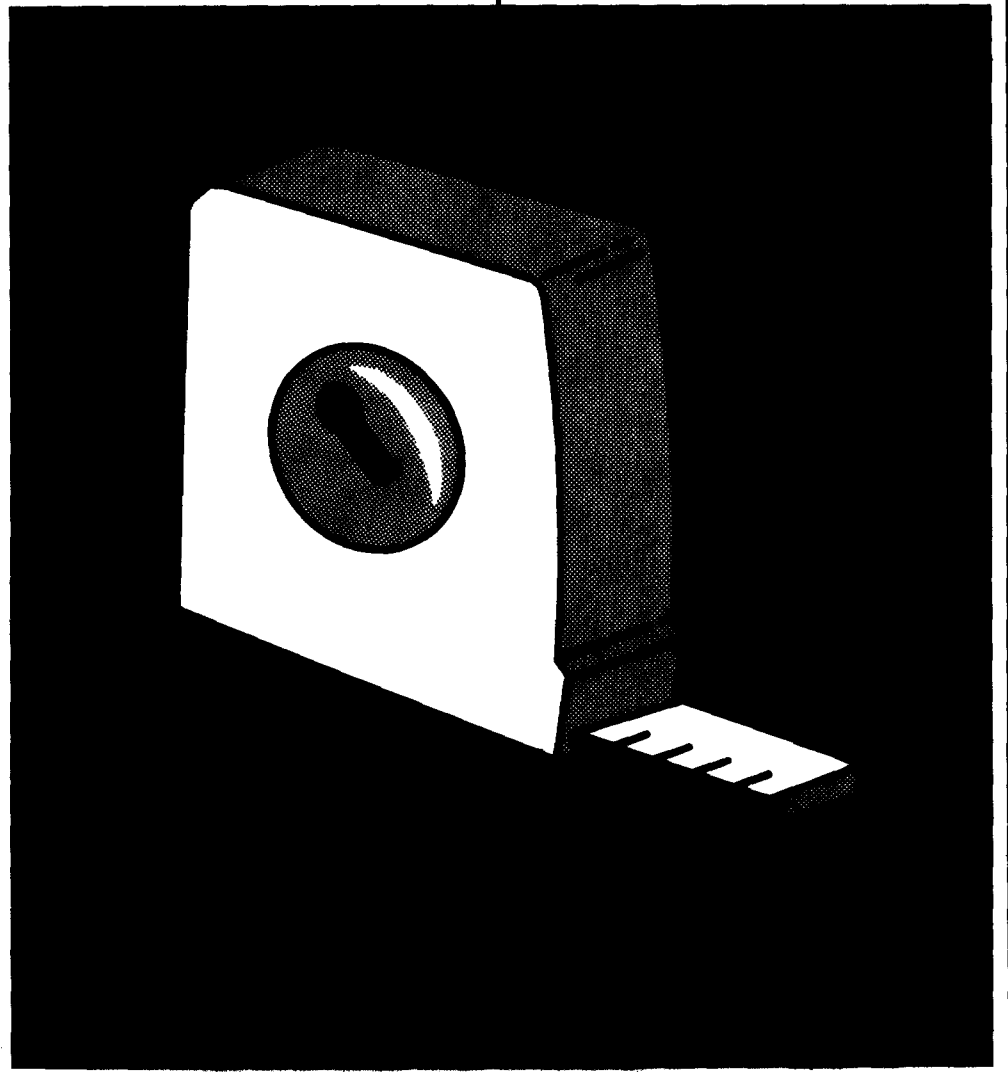
Concern with the large amount of imputed fuel data for apartment units led to a special effort in 1981 to obtain consumption records for apartment buildings. This effort utilized the permission of the apartment building's agent to obtain actual fuel records for the building. These records were used to 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 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:

<u>Households Using:</u>	<u>Imputed Values Are:</u>
Electricity with air conditioning	Too low by 50%
Electricity without air conditioning	Too high by 10%
Natural gas for space heating	About right
Natural gas, but not for space heating	Too low by 50%

The number of records for fuel oil and LPG were insufficient for making estimates of the bias in their imputed values. In future RECS surveys, the imputations for fuel use in apartments will be corrected to counteract the imputation bias. The bias has not been corrected for data contained in this report.

Appendix B

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





Appendix B

Introduction

Interviewers for the 1980 RECS survey were given 50-foot tape measures and were instructed to measure the dimensions of each housing unit. The instructions were to measure the "area enclosed from the weather". This included garages attached to the house, attics that were either heated or finished, and basements that were 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 which places the demand on the heating system and, therefore, is the figure which may prove to be more useful in analysis of 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. Altogether, 5,620 homes were measured, and in 108 cases, the measurements were taken from a floor plan. These measurements provide the first data on a national sample of all types of residential housing units including apartment units and mobile homes.

In 97 percent of the cases, usable measurements were acquired. In 3 percent, the measurements were either 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:

HOME AREA = total square footage of area enclosed from the weather

HEATED = total square footage of heated area

UNHEATED = HOME AREA - 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 inside; characterizing a measurement as inside or outside when this was unknown; apportioning the total space between heated and unheated when this proportion was unknown; and estimating the total square footage when the measurements were not made or not usable.

Scaling Up to Outside Measurements

As shown in Table B1, 4,729 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 2,076 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 HOME AREA for the housing unit.¹

$$\text{SCALE} = 1.034 + 6.5\text{E}-05 \times \text{HOMEAREA} - 6.0\text{E}-09 \times (\text{HOMEAREA})^2 \quad (1)$$

¹This equation was developed in the following manner: a regression model of square footage for the 2,653 housing units with complete data was applied to the 2,076 housing units with complete inside dimensions. The ratio of the estimated outside measurements to the actual inside measurements was computed. A quadratic equation was fit that expressed the relationship between the ratio and the inside measurement.



Appendix B (Continued)

This formula indicates that the larger the HOME AREA, the larger the scaling-up value. These scale values, which increased the inside measurements, ranged from 6.4 percent to 17.4 percent depending on the size of HOMEAREA. For any case where HOMEAREA was less than 500, SCALE was set to 1.064; for HOMEAREA greater than 3,000, SCALE was set to 1.174.

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

Amount of Information Collected	Number of Households	Percent
Complete Set of Dimensions.....	4,729	82
Outside Measurement of Home.....	2,653	46
Inside Measurement of Home.....	2,076	36
Unknown Whether Dimensions are for Inside or Outside of the Home.....	715	12
Information Available on Heated and Unheated Areas.....	574	10
Information on Heated and Unheated Areas Also is Missing....	141	2
Basement Dimensions Missing.....	176	3
All Dimensions Missing or Not Usable.....	184	3
Total.....	5,804	100

Treatment of Housing Units with Some Missing Data

The 574 cases lacking information as to whether the measurements were inside or outside measurements or where the measurements may have been a combination of both inside and outside measurements were treated using a hot-deck imputation scheme.¹ Those cases where the imputed method of measurement became inside were then scaled up to outside dimensions using equation (1).

The 141 cases lacking information on the ratio of heated to unheated space as well as whether the measurements were inside or outside were treated using a hot-deck procedure. The donor household provided information as to whether the measurement was inside or outside and also provided the ratio of heated to unheated areas. The inside measurements were scaled up to outside dimensions.

For the 176 cases missing basement dimensions, the basement area was imputed 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.

¹See Glossary for explanation of hot-deck imputation.



Appendix B (Continued)

Regression Model

Regression equations were used for the 184 cases with no usable data. One of the regression equations is given below.

$$\begin{aligned}
 \text{HOMEAREA} = & -222 + 111 \times \text{NROOMS} + 137 \times \text{TYPEHOME} \\
 & + 257 \times (\text{NCOMBATH} + .5 \times \text{NHAFBATH}) \\
 & + 17.3 \times \text{BUILTYR} + 6.2 \times \text{INCOME79} \\
 & + 16.8 \times (\text{DOOR1ALL} + \text{DOOR2ALL} + \text{DOOR3ALL} + \text{WINDOWS}) \\
 & + 669 \times \text{BASEMENT}
 \end{aligned} \tag{2}$$

The variables within the equation are described in Table B2. Another equation used the size of the largest room as an additional independent variable for cases when this information was available. A third equation was developed for houses without basements.

Having imputed HOMEAREA using the regression model, a hot-deck procedure was used to impute the ratio of heated and unheated space. All estimates were then scaled up. This was necessary since the regression equation estimated inside dimensions.

Table B2. Variables in the Regression Equation Used to Impute the Total Square Footage of the Housing Unit

Variable Definition	Question Number
NROOMS - Number of Rooms in the Home.....	7
TYPEHOME - Single-Family or Nonsingle-Family (Mobile Home Included with Nonsingle-Family).....	Item 1 in the Housing Unit Record Sheet
NCOMBATH - Number of Complete Bathrooms ^a	15
NHAFBATH - Number of Half-Bathrooms ^a	15
BUILTYR - Year the Home was Built ^b	3
INCOME79 - 1979 Family Income.....	154
DOOR1ALL - Number of Sliding Glass Doors to the Outside ^a	59
DOOR2ALL - Number of Outside Doors with Glass Panels ^a	59
DOOR3ALL - Number of Regular Outside Doors ^a	59
WINDOWS - Number of Windows in the Home.....	65
BASEMENT - Basement in/Not in the Single-Family or Mobile Home.....	54

^aFor each of the variables NCOMBATH, NHAFBATH, DOOR1ALL, DOOR2ALL, and DOOR3ALL, the values for "five or more" were collapsed into one category.

^bFor this analysis, values for houses built from 1975 to 1981 have been collapsed into one category.

Appendix C

Limitations of the Data

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



Appendix C

Introduction

Data from the 1980 Residential Energy Consumption Survey 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, it is possible to estimate sampling errors of the survey estimates and use these sampling errors 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 are also discussed in Appendix A.

Completeness of Data

This section discusses a number of factors related to the completeness of the consumption and expenditures 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 even though they are vacant. They also may not be vacant all year long. The Annual Housing Survey (AHS) estimated that vacant housing units numbered about 5-1/2 million in 1977.
- Second homes for the owner's use. The AHS estimated these homes numbered about 3 million in 1977.

These two types of units are not included primarily because of the difficulty in acquiring data and limitations in the availability of funds. RECS data are collected by interviewing someone who knows the housing unit and who can sign an authorization form for release of fuel records from the fuel supplier. In these units, that type of person is not likely to be available.

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 survey collects gasoline data through monthly purchase diaries from a subset of respondents comprising a Household Transportation Panel and is reported separately.
- Wood used for heating. Although wood consumption data are collected, they are not integrated with other data but are reported in a separate table. This was



Appendix C (Continued)

done because the wood data are for the 12 months prior to the interview rather than the April 1980 through March 1981 period, and are probably inflated estimates. Evidence indicates that more detailed questioning often leads a respondent to lower estimates of wood usage. Some change in the questioning procedures and exhibits used is being planned for future RECS surveys. These changes are designed to reduce confusion between a cord and a face cord (a face cord is 4 feet high and 8 feet wide but the depth varies according to the length of the cut wood). Although the price of the most recent purchase of wood was collected, no attempt was made to use these data to estimate the total expenditures for wood.

- LPG used in outdoor gas grills, for camping, or other recreational activities occurring away from the home.
- Coal, coke, corncobs, charcoal, alcohol, purchased steam, solar 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 the omissions noted above. 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. If added to the average household energy use, the average would increase from 114 million to 124 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 over-counting arises because some household bills contain nonhousehold uses such as for a welding shop or drying grain. Double-counting could also occur when an owner's billing record also contains consumption for a rental unit. RECS respondents estimated the amount of this nonhousehold use which is included on their bill. Using these estimates, downward adjustments were made for individual households to subtract their nonhousehold uses from their consumption 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, 1980, and March 31, 1981, not for fuel consumed. For this reason and because fuel oil/kerosene and LPG data contain a higher proportion of unsuccessful attempts to acquire actual fuel bills, 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 5 or more units are based largely on imputed estimates and, therefore, may contain an unknown amount of error from the imputation procedures.

Comparability of Data

In terms of geographic coverage, the U.S. Bureau of Census has developed rules for defining places as urban or rural. The general import of these rules is to classify a place as urban if it contains more than 2,500 individuals. However, the rules contain exceptions and the boundaries of



Appendix C (Continued)

places classified as urban by the Bureau of Census may be ambiguous. As a result, the rules may not always have been applied to the RECS, Screener, and NIECS households in the way intended by the Bureau of Census. For this reason, estimates of urban and rural populations from the RECS, Screener, and NIECS surveys may differ from the Bureau of Census figures. The classification scheme for metropolitan areas (SMSA and Non-SMSA) used for the RECS, Screener, and NIECS surveys does correspond to the classifications used by the Bureau of Census. The designation of metropolitan areas is based on county boundary lines (except New England) which is a less ambiguous defining characteristic.

Sampling Errors

The form of the sampling error that is presented here is the relative standard error (RSE). 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 :

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

This section provides generalized procedures and examples for use in calculating relative standard errors for several types of statistics from the 1980 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 1980 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 per household for consumption and expenditures for each fuel and the total of all fuels.

Determination of Relative Sampling Errors for Household Counts

Procedures are presented here for determining relative sampling errors for statistics which are counts of households. We begin with a simplified method and follow with a somewhat longer method. The first method can be used for any household count, but will produce over estimates of sampling error in some cases.

¹The source of data for the calculation of relative standard errors is the 1980 Residential Energy Consumption Survey.



Appendix C (Continued)

The first method is to obtain the household count from the tables in the report for the statistic being considered. (For Tables 1 through 3, the counts of households are provided for the "all fuels" category. But for specific fuels such as natural gas, the reader should turn to the table which covers that fuel for the appropriate household counts to be used in computing a relative standard error.) If the statistic is the household count for one of the aggregates (or combination of aggregates) listed in Table C3, set the RSE equal to zero. If not, read or extrapolate its RSE value from Table C1. (The RSE's listed in Table C1 can be obtained by using the first equation listed in Table C9.) Finally, adjust this RSE value by multiplying by the appropriate value or values for 10^B from Table C2.

If the characteristic of the statistic being considered is not listed in Table C2, use $B=0$, ($10^B=1$) 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 C2. If more than two characteristics define the variable, choose no more than two and select the two which are the least correlated.

Table C1. Relative Standard Errors (RSE) for Survey Estimates of the Number of Households

Million Households	One Relative Standard Error (Percent)
0.1	40.1
0.2	30.7
0.3	26.1
0.4	23.3
0.5	21.2
0.7	18.5
1.0	15.9
1.5	13.3
2.0	11.7
3.0	9.8
5.0	7.8
10.0	5.6
20.0	4.0
40.0	2.8

Source: 1980 Residential Energy Consumption Survey.



Appendix C (Continued)

Table C2. Clustering Factors
for Calculation of Relative
Standard Errors (RSE)

Cell Definition	Value of 10 ^B
Heating and Cooling Degree-Days.....	1.5
Use Any Liquid Petroleum Gas.....	1.3
Availability of Natural Gas for Nonusers of Natural Gas.....	1.2
Utilities Paid by Household.....	1.2
Use Any Natural Gas.....	1.1
Use Any Fuel Oil or Kerosene.....	1.1
Main Heating Fuel.....	1.1
Type of Housing Structure (Crossed with Own/Rent).....	1.1
Main Heating Equipment.....	1.1
Main Cooking Fuel.....	1.1
Main Outside Wall Material.....	1.1
Main Water-Heating Fuel.....	1.1
Urban/Rural Status.....	1.1
Origin (Race).....	1.1
Number of Floors.....	1.1
Census Region.....	1.0
SMSA Status.....	1.0
Secondary Heating Fuel.....	1.0
Central Main Heating System for Building.....	1.0
Year House Built.....	1.0
Amount of Wood Burned.....	1.0
Types of Appliances Used.....	1.0
Own/Rent.....	0.9
Number of Windows.....	0.9
Number of Complete and Half-Bathrooms.....	0.9
Income.....	0.9
Size of Dwelling (Square Feet or Number of Rooms).....	0.8
Insulation Characteristics.....	0.8
Conservation Measures (Storm Windows Added, etc.).....	0.8
Demographic Characteristic (Age of Head and Number of Household Members).....	0.8

Source: 1980 Residential Energy Consumption Survey.

The second method for calculating sampling errors for household counts uses the control totals listed in Table C3.

Step 1: Find the statistic's appropriate control from Table C3. The control total is the number of households in the Census division/SMSA status cell 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 above. 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 value from Table C1. Multiply this value by the appropriate 10^B value or values from Table C2. Denote this as CCRSE.



Appendix C (Continued)

Determination of Relative Sampling Errors for Percentages Based Upon Household Counts

Step 4: Multiply CCRSE by the control complement divided by the household count. (8.05 x 6.1/15 = 3.27 percent)

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

Let X be an estimate of the number of households that have characteristics C₁ and C₂. Let Z be an estimate of the number of households that have characteristic C₁ but do not have characteristic C₂. Set Y = X + Z. Then Y is an estimate of the number of households that have characteristic C₁. Set p = 100 X/Y. Then p is an estimate of the percent of households that have characteristic C₂ among all households that have characteristic C₁. The RSE of p can be approximated using

$$RSE(p) = \sqrt{RSE^2(X) - RSE^2(Y)}$$

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 above format.

Determination of Relative Standard Errors for Fuel Consumption and Expenditure 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 C4 through C8. The RSE's listed in Tables C4 through C8 can be obtained using the equations listed in Table C9.

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 we desire 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 17.7 million. This is the number we use when computing the RSE for the total residential energy consumption in the Northeast. For electricity consumption, we again use 17.7 million. But for natural gas consumption, the number of households equals 10.9 million. This is the number of households that live in the Northeast and use natural gas. Again, for Tables 1 through 3 in the report, the counts of households are provided for the "all fuels" category. But for specific fuels such as natural gas, the reader should turn to the table which covers that fuel for the appropriate household counts to be used in computing an RSE.

The tables for aggregate total consumption, total expenditures, electricity consumption, and electricity expenditures contain an indicator variable. This variable equals 1 when the household count is a control total from Table C3. It equals zero otherwise. Consider the following examples of the use of these tables.



Appendix C (Continued)

Step 4: Multiply the CCRSE value from Step 3 by the control complement and divide by the household count. This yields $RSE = CCRSE \times (\text{control complement}) / (\text{household count})$.

Table C3. Relative Standard Error (RSE) Control Totals (Million Households)

Type of Aggregate	Control Totals
National	81.6
Census Region	
Northeast.....	17.7
North Central.....	21.1
South.....	27.0
West.....	16.0
SMSA Status	
SMSA-Central City.....	24.3
SMSA-Outside Central City.....	31.3
Non-SMSA.....	26.0
Census Region by SMSA	
Northeast	
SMSA-Central City.....	5.9
SMSA-Outside Central City.....	8.0
Non-SMSA.....	3.7
North Central	
SMSA-Central City.....	5.9
SMSA-Outside Central City.....	8.0
Non-SMSA.....	7.2
South	
SMSA-Central City.....	7.3
SMSA-Outside Central City.....	8.1
Non-SMSA.....	11.6
West	
SMSA-Central City.....	5.3
SMSA-Outside Central City.....	7.2
Non-SMSA.....	3.4

Source: Estimates derived from the 1980 Decennial Census and Current Population Surveys.

Consider the computation of sampling error for the estimate, 15 million households heat with natural gas in the North Central region.

Step 1: From Table C3 the control total is 21.1 million, the number of households that live in the North Central region.

Step 2: 15 million is more than one-half of 21.1. Its control complement then is $(21.1 - 15 = 6.1)$.

Step 3: Extrapolating from Table C1, the RSE for 6.1 is 7.32 percent. Multiply 7.32 by the values for 10^B from Table C2 for Census region and main heating fuel. $(7.32 \times 1 \times 1.1 = 8.05 \text{ percent})$



Appendix C (Continued)

Table C4. Relative Standard Errors (RSE) for Aggregate Statistics of Total Consumption and Expenditures (Natural Gas, Electricity, Fuel Oil/Kerosene, and Liquid Petroleum Gas (LPG)—Combined)

Households	Relative Standard Error (Percent)			
	Consumption (Btu)		Expenditures	
	Indicator Variable	Indicator Variable	Indicator Variable	Indicator Variable
	One	Zero	One	Zero
0.1	24.2	38.4	18.0	35.6
0.2	18.2	28.9	13.8	27.3
0.3	15.4	24.5	11.8	23.4
0.4	13.7	21.7	10.6	20.9
0.5	12.5	19.8	9.7	19.2
0.7	10.9	17.3	8.5	16.9
1.0	9.4	14.9	7.4	14.7
1.5	8.0	12.6	6.4	12.6
2.0	7.1	11.2	5.7	11.3
3.0	6.0	9.5	4.9	9.7
5.0	4.9	7.7	4.0	7.9
10.0	3.7	5.8	3.1	6.1
20.0	2.8	4.4	2.4	4.7
40.0	2.1	3.3	1.8	3.6
80.0	1.6	2.5	1.4	2.7

Source: 1980 Residential Energy Consumption Survey.

There are 1.6 million households that heat with electricity in the Northeast region. Extrapolating from Table C5, column 3 yields an RSE for total electricity consumption for households in the Northeast that heat with electricity between 14.1 and 12.8 percent. An indicator value of zero was used because 1.6 is not a control total listed in Table 3.

As another example, there are 26.9 million households that consume electricity in the South region. The control totals in Table C3 indicate that 27 million households live in the South. In this case, choose an indicator value of 1, since the household count is almost identical to the control total. This assumes that the count of households consuming electricity in the South equals the control total for the count of households that live in the South. Extrapolating from Table C5, column 2 yields an RSE between 3.8 and 3.0 percent for total electricity consumption for the 26.9 million households.

Relative Standard Error for Average Price

The relative standard errors of statistics giving average price were not generalized. The magnitude of the RSE's can be obtained by examining Tables C5, C7, C10, and C11 in the report, Residential Energy Consumption Survey: Consumption and Expenditures, April 1980 Through March 1981, Part 1: National Data. An inspection of these tables reveals that there is not a linear relationship between the logarithms of the RSE's and the corresponding household counts. As a result, the RSE's were not generalized.



Appendix C (Continued)

Table C5. Relative Standard Errors (RSE) for Aggregate Statistics of Electricity Consumption and Expenditures

Households	Relative Standard Error (Percent)			
	Consumption (Btu or kWh)		Expenditures (Dollars)	
	Indicator Variable		Indicator Variable	
	One	Zero	One	Zero
0.1	24.7	36.7	19.5	33.9
0.2	19.3	28.8	15.4	26.7
0.3	16.7	24.9	13.4	23.2
0.4	15.1	22.5	12.1	21.0
0.5	14.0	20.8	11.2	19.4
0.7	12.4	18.5	10.0	17.3
1.0	10.9	16.3	8.8	15.3
1.5	9.5	14.1	7.7	13.3
2.0	8.6	12.8	7.0	12.1
3.0	7.4	11.1	6.0	10.5
5.0	6.2	9.2	5.1	8.8
10.0	4.9	7.2	4.0	6.9
20.0	3.8	5.7	3.1	5.4
40.0	3.0	4.4	2.5	4.3
80.0	2.3	3.5	1.9	3.4

Source: 1980 Residential Energy Consumption Survey.



Appendix C (Continued)

Table C6. Relative Standard Errors (RSE) for Aggregate Statistics of Natural Gas, Fuel Oil/Kerosene, and Liquid Petroleum Gas (LPG) Consumption and Expenditures

Million Households	Relative Standard Error (Percent)					
	Natural Gas		Fuel Oil/Kerosene		LPG	
	Consumption (Btu or Cu.Ft.)	Expenditures	Consumption (Btu or Gallons)	Expenditures	Consumption (Btu or Gallons)	Expenditures
0.1	41.9	42.0	44.3	44.4	55.7	54.2
0.2	32.2	31.9	33.6	33.7	42.3	41.3
0.3	27.6	27.1	28.6	28.6	36.0	35.3
0.4	24.7	24.2	25.5	25.5	32.1	31.5
0.5	22.7	22.1	23.4	23.4	29.4	28.9
0.7	20.0	19.3	20.4	20.4	25.7	25.3
1.0	17.5	16.8	17.7	17.7	22.3	22.0
1.5	15.0	14.3	15.1	15.1	19.0	18.8
2.0	13.4	12.7	13.5	13.5	16.9	16.8
3.0	11.5	10.8	11.5	11.5	14.4	14.3
5.0	9.5	8.8	9.4	9.3	11.7	11.7
10.0	7.3	6.7	7.1	7.1	8.9	9.0
20.0	5.6	5.1	5.4	5.4	6.8	6.8
40.0	4.3	3.9	4.1	4.1	5.1	5.2
80.0	3.3	2.9	3.1	3.1	3.9	4.0

Source: 1980 Residential Energy Consumption Survey.



Appendix C (Continued)

Table C7. Relative Standard Errors (RSE) for Total Consumption and Expenditures per Household (Natural Gas, Electricity, Fuel Oil/Kerosene, and Liquid Petroleum Gas (LPG)—Combined)

Million Households	Relative Standard Error (Percent)	
	Consumption Per Household (Btu)	Expenditures Per Household
0.1	13.6	9.2
0.2	11.1	7.8
0.3	9.8	7.1
0.4	9.0	6.6
0.5	8.4	6.3
0.7	7.7	5.8
1.0	6.9	5.3
1.5	6.1	4.8
2.0	5.6	4.5
3.0	5.0	4.1
5.0	4.3	3.6
10.0	3.5	3.1
20.0	2.8	2.6
40.0	2.3	2.2
80.0	1.9	1.9

Source: 1980 Residential Energy Consumption Survey.



Appendix C (Continued)

Table C8. Relative Standard Errors (RSE) for Natural Gas, Electricity, Fuel Oil/Kerosene, and Liquid Petroleum Gas (LPG) Consumption and Expenditures per Household

Million Households	Relative Standard Error (Percent)							
	Natural Gas		Electricity		Fuel Oil/Kerosene		LPG	
	Consumption Per Household (Btu or Cu.Ft.)	Expenditures Per Household	Consumption Per Household (Btu or kWh)	Expenditures Per Household	Consumption Per Household (Btu or Gallons)	Expenditures Per Household	Consumption Per Household (Btu or Gallons)	Expenditures per Household
0.1	19.0	17.3	16.2	12.7	20.8	20.8	38.9	36.4
0.2	14.8	13.5	13.4	10.6	15.4	15.3	27.8	25.6
0.3	12.8	11.6	12.0	9.6	12.8	12.8	22.9	20.9
0.4	11.5	10.5	11.1	8.9	11.3	11.3	19.9	18.0
0.5	10.6	9.7	10.4	8.4	10.3	10.2	17.9	16.1
0.7	9.4	8.6	9.5	7.7	8.8	8.8	15.2	13.6
1.0	8.3	7.5	8.6	7.0	7.6	7.6	12.8	11.4
1.5	7.1	6.5	7.7	6.4	6.3	6.3	10.5	9.2
2.0	6.4	5.9	7.1	5.9	5.6	5.6	9.1	8.0
3.0	5.6	5.1	6.4	5.3	4.7	4.7	7.5	6.5
5.0	4.6	4.2	5.5	4.7	3.7	3.7	5.9	5.0
10.0	3.6	3.3	4.6	3.9	2.7	2.7	4.2	3.5
20.0	2.8	2.6	3.8	3.3	2.0	2.0	-	-
40.0	2.2	2.0	3.1	2.8	-	-	-	-
80.0	1.7	1.5	2.6	2.3	-	-	-	-

Note: A dash "-" means not applicable.

Source: 1980 Residential Energy Consumption Survey.



Appendix C (Continued)

Table C9. Relative Standard Error (RSE) Equations

Type of Statistic	Generalized Variance Equation
Household Counts	$\text{Log(RSE)} = 1.2005 - 0.4269 \times \text{Log(NHSLD)} - 0.0241 \times [(\text{log(NHSLD)})^2]$
Total Consumption	$\text{Log(RSE)} = 1.174 - 0.410 \times \text{Log(NHSLD)} - 0.201 \times (\text{CONTOT})$.
Total Expenditures	$\text{Log(RSE)} = 1.168 - 0.384 \times \text{Log(NHSLD)} - 0.296 \times (\text{CONTOT})$.
Electricity Consumption ...	$\text{Log(RSE)} = 1.212 - 0.353 \times \text{Log(NHSLD)} - 0.173 \times (\text{CONTOT})$.
Electricity Expenditures ..	$\text{Log(RSE)} = 1.185 - 0.345 \times \text{Log(NHSLD)} - 0.239 \times (\text{CONTOT})$.
Natural Gas Consumption ...	$\text{Log(RSE)} = 1.242 - 0.380 \times \text{Log(NHSLD)}$.
Natural Gas Expenditures ..	$\text{Log(RSE)} = 1.225 - 0.398 \times \text{Log(NHSLD)}$.
Fuel Oil/Kerosene Consumption	$\text{Log(RSE)} = 1.249 - 0.397 \times \text{Log(NHSLD)}$.
Fuel Oil/Kerosene Expenditures	$\text{Log(RSE)} = 1.249 - 0.398 \times \text{Log(NHSLD)}$.
LPG Consumption	$\text{Log(RSE)} = 1.348 - 0.398 \times \text{Log(NHSLD)}$.
LPG Expenditures	$\text{Log(RSE)} = 1.343 - 0.391 \times \text{Log(NHSLD)}$.
Average Total Energy Consumption	$\text{Log(RSE)} = 0.838 - 0.295 \times \text{Log(NHSLD)}$.
Average Total Energy Expenditures	$\text{Log(RSE)} = 0.727 - 0.236 \times \text{Log(NHSLD)}$.
Average Electricity Consumption	$\text{Log(RSE)} = 0.935 - 0.274 \times \text{Log(NHSLD)}$.
Average Electricity Expenditures	$\text{Log(RSE)} = 0.848 - 0.255 \times \text{Log(NHSLD)}$.
Average Natural Gas Consumption	$\text{Log(RSE)} = 0.917 - 0.361 \times \text{Log(NHSLD)}$.
Average Natural Gas Expenditures	$\text{Log(RSE)} = 0.877 - 0.361 \times \text{Log(NHSLD)}$.
Average Fuel Oil/Kerosene Consumption	$\text{Log(RSE)} = 0.878 - 0.441 \times \text{Log(NHSLD)}$.
Average Fuel Oil/Kerosene Expenditures	$\text{Log(RSE)} = 0.878 - 0.440 \times \text{Log(NHSLD)}$.
Average LPG Consumption ...	$\text{Log(RSE)} = 1.106 - 0.484 \times \text{Log(NHSLD)}$.
Average LPG Expenditures ..	$\text{Log(RSE)} = 1.055 - 0.506 \times \text{Log(NHSLD)}$.

Note: NHSLD is the number of households.

CONTOT is an indicator variable.

Source: 1980 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. They can be used to approximate the RSE's of statistics that give household counts, fuel consumption, or expenditures. 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 1980 RECS data with a procedure for obtaining RSE's.

The regression equations will not exactly reproduce the RSE's for some published statistics from the 1980 RECS reports. These are half-sample estimates. Half-sample estimates were used to determine the generalized variance equations. Generally, a regression line will not pass through all points used in estimating the parameters of the regression line.

The generalized variance equations listed in this report apply only to data for the 1980 RECS. These equations will have to be changed if they are to be applied to data from the 1981 RECS. They can not be used with any other data sets, since they reflect the sample design of the 1980 Residential Energy Consumption Survey.

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 C3 lists control totals for the country as a whole, the four Census regions, SMSA status, and Census region by SMSA status. Control totals can also be sums of the control totals listed in Table C3. For example, if we are considering the number of households in the country whose main heating fuel is fuel oil, then from Table C3, the control total is the estimated number of households in the country (81.6 million). If we want the number of households that heat with fuel oil in central cities in New England, the appropriate control total is the number of households in the Northeast located in SMSA-central cities (5.9 million), from Table C3. 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 C2, 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 heading 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.



Appendix C (Continued)

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.

The generalized variance equations for RSE's for consumption, expenditures, average consumption, and average expenditures are conservative. If restrictions are placed on the subset over which statistics are calculated that restrict the possible consumption, the RSE's may be lower than the equations predict. An example of where this could happen would be the total energy consumption of all households using between 15 million and 20 million Btu per year. In this case, the RSE approaches the RSE of the number of households as the range narrows. For averages, the RSE approaches zero as the range narrows. The generalized variance equations were estimated using RSE's for statistics where only broad restrictions were used in defining the subsets. The indicator variable (CONTOT) used in some of the generalized variance equations takes on only values of 0 and 1. A variable that has a range of possible values may yield better results. Improvements of this nature may be included in the generalized variance equations that are developed for data from the 1981 RECS.

The generalized variance equations for aggregate fuel consumption and expenditures express the logarithm of the RSE as a linear function of the logarithm of the number of households using the fuel or fuels in question. Additionally, in four equations, an indicator variable that equals one when the household count is a control total is also part of the equations. The logarithms were all computed using base 10. The value of the RSE is given as a percent. The value of the number of households is given in millions. The units used for consumption or expenditures do not matter. In the total consumption statistics, the Btu amounts for electricity are added to the Btu amounts for the other fuels without any adjustments.

In these equations, the number of households refers to the estimated number of households who use the fuel or one of the fuels in question and whose consumption or expenditures are counted in the statistic. For example, if we want the RSE of the consumption of LPG in the Northeast Census region, we use the number of households that use LPG in the Northeast (1.27 million). For this case, it would be incorrect to use the total number of households in the Northeast.

For electricity consumption, electricity expenditures, total consumption, or total expenditures, the number of households can be set equal to the estimated number of households in the subset over which the consumption or expenditure estimate applies. Only three households in the RECS sample did not use electricity or any fuel except wood. These three households represented somewhere in the order of 30,000 households nationally. Treating these households as if they are electricity consumers with zero consumption will have only a small effect on the RSE estimates. Consequently, for estimating electricity and total fuel consumption or expenditures in the Northeast Census region, the number of households equals 17.7 million. Note the difference between this case and the case where we were estimating the consumption of LPG in the Northeast.





Appendix C (Continued)

Half-Sample Estimation Procedures for Sampling Errors

The complex multi-stage, multi-frame design of the survey makes it virtually impossible to construct an exact algebraic variance estimator. The method used to produce variances for the RECS is balanced half-sampled replication (See References 1 and 2). The generalized variance equations described above were based on sampling errors produced by this half-sample technique. In order 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 strata that could not be paired with another strata 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.

In order 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 nonself-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 variances 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 sort 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, all of the 81 columns would be orthogonal with each other except possibly 3 other columns that would 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.



Appendix C (Continued)

Variance estimates for selected survey statistics were created by computing 32 half-sample estimates for each statistic. If a +1 falls in the i th row and j th column of the design matrix, the replication group corresponding to the +1 in the j th pair was used in the i th half-sample. The sampling weights in each half-sample were ratio-adjusted upward so that the total number of households in each Census region classified by SMSA 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 SMSA 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.

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

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

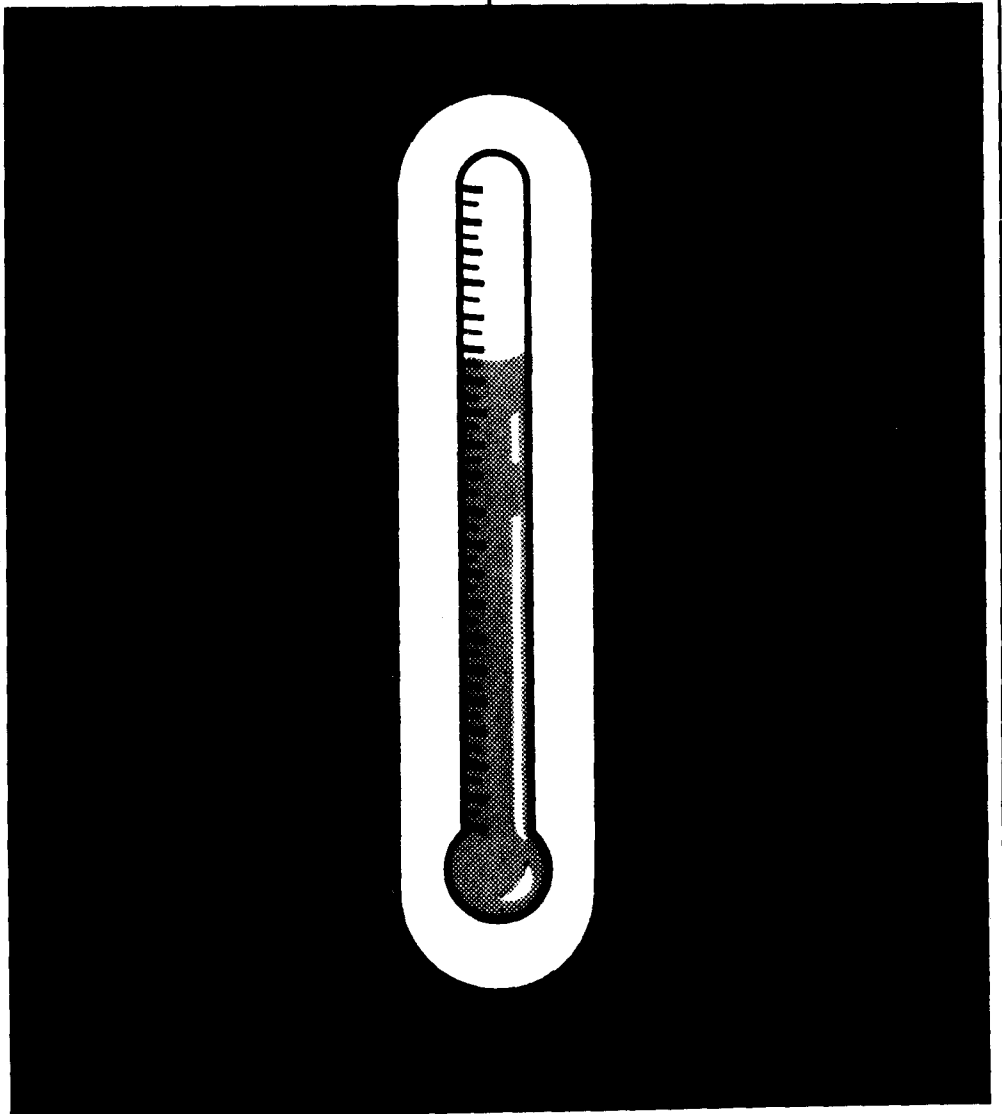
where Y_i' is the i th half-sample estimate of Y , and Y' is the full sample estimate of Y . The half-sample procedure measures variability due to sampling error and random response variance.

References

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2. National Center for Health Statistics: "Pseudoreplication: Further Evaluation and Application of the Balanced Half-Sample Technique," Vital and Health Statistics. Public Health Service Publication No. 1000 - Series 2 - No. 31., Washington, DC: U.S. Government Printing Office, January 1969.
3. Plackett, R.L., and Burman, J.P.: "The Design of Optimum Multifactorial Experiments." Biometrika 33: pp. 305-325, 1946.

Appendix D

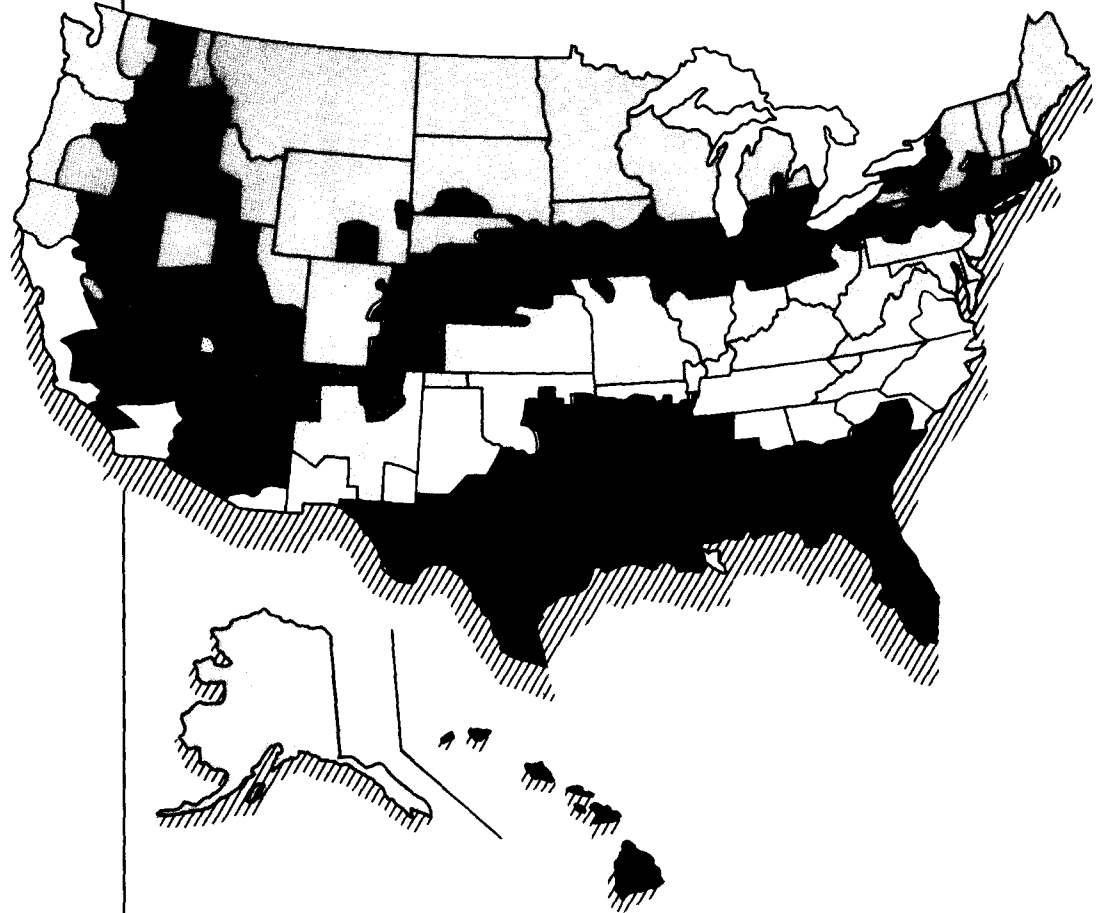
U.S.
Weather Zone
Map










U.S. Weather Zone Map

U.S. Weather Zone Map of Heating Degree-Days (HDD) and Cooling Degree-Days (CDD)

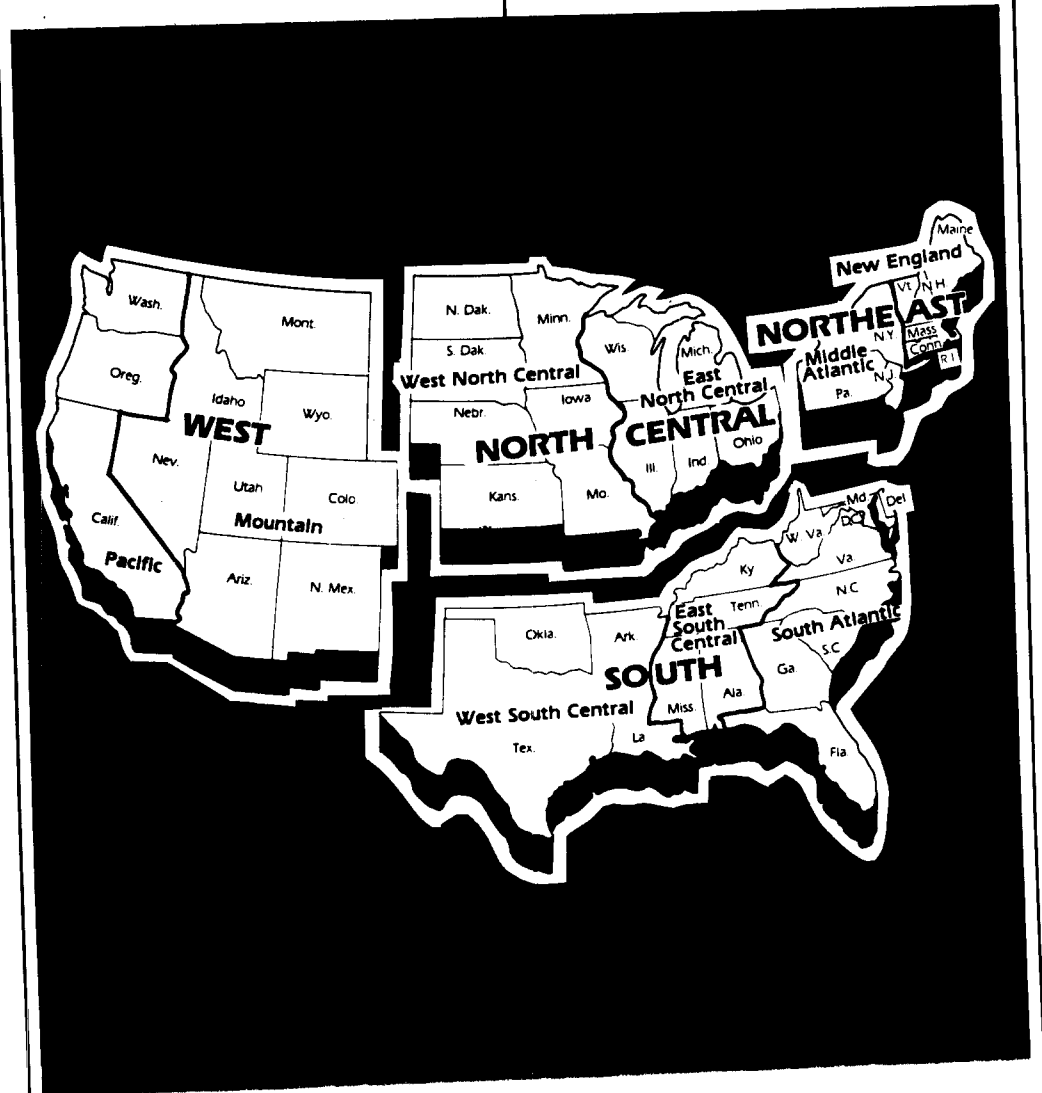


Weather Zones

-  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.

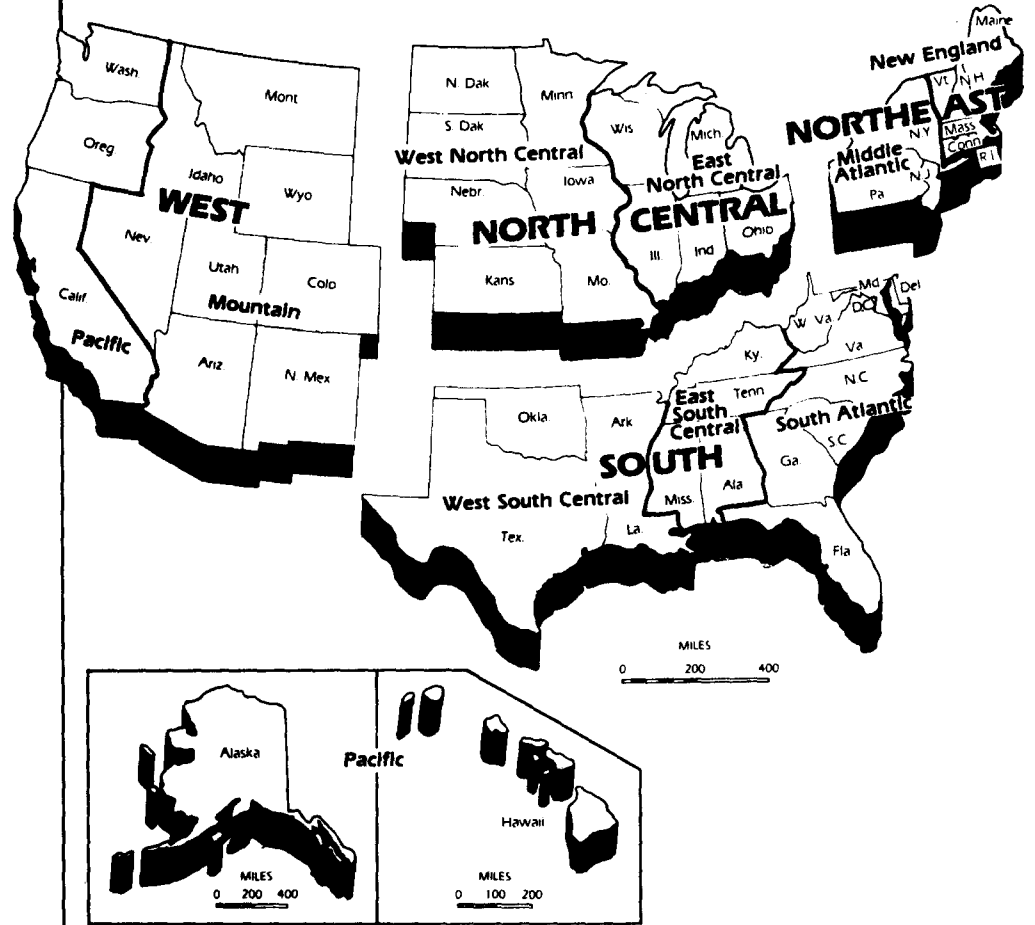
Appendix E

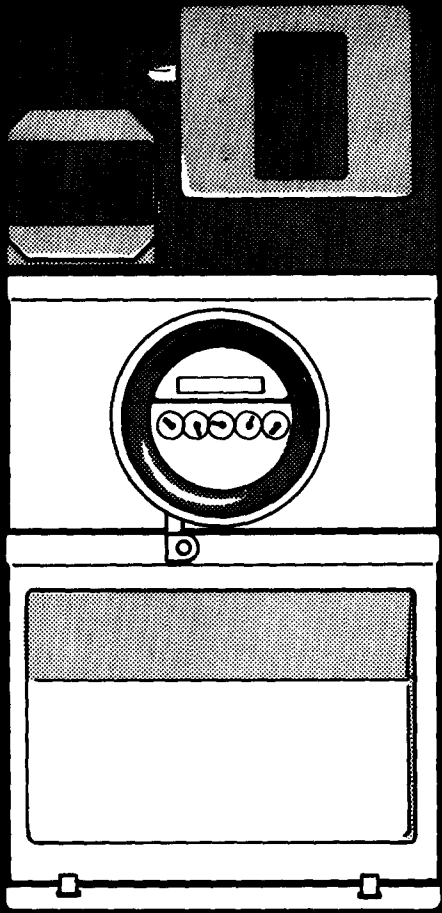
U.S. Census Regions and Divisions





U.S. Census Regions and Divisions







Glossary

AIA Weather Zone. Seven distinct areas designated by the American Institute of Architects (AIA) for the U.S. Departments of Energy and Housing and Urban Development; they are used to classify housing units based on long-term weather conditions. The zones were determined according to the number of heating and cooling degree-days averaged over a number of years as follows:

<u>Zone</u>	<u>Cooling Degree-Days</u>	<u>Heating Degree-Days</u>	<u>Comments</u>
1	Less than 2,000	More than 7,000	
2	Less than 2,000	5,500 to 7,000	
3	Less than 2,000	4,000 to 5,499	
4	Less than 2,000	2,000 to 3,999	No RECS household is in Zone 4 base on the long-term weather data for the household's NOAA Division. Zones 4 and 5 are combined for RECS reports.
5	Less than 2,000	Less than 2,000	
6	More than 2,000	Less than 2,000	Zones 6 and 7 are combined for RECS reports.
7	More than 2,000	2,000 to 3,999	

Air-Conditioning: Cooling of air by a refrigeration unit. This does not include fans, blowers, or evaporative cooling systems which 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. Question 44 "How many rooms in your house (apartment) are cooled by air-conditioning?" refers to rooms which 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 which air-conditioned zero rooms.

"All rooms air-conditioned" means that 100 percent of the rooms are air-conditioned. "Some rooms air-conditioned" means that less 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. Appliances possessed by the household but not used are not counted. Air-conditioning units are an exception. Air-conditioning is counted if 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



Glossary (Continued)

are included only if a repair person has been called. "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. "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 1980 Through March 1981: The annual consumption period is a 365-day period beginning as close as possible to April 1, 1980. 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 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. (See "Consumed".)

Consumption and expenditures data for the calendar year are of interest to persons who want to match other data that are reported for the calendar year. Estimates for calendar year 1980 have been made for each fuel by the Energy End Use Division. The calendar year estimates were made taking account of the difference in weather for the January-through-March period for 1980 and 1981 and the changes in use of household heating fuel. For example, households that switched from fuel oil to natural gas were assumed to have switched in the summer of 1980 so some of their use of natural gas was replaced with fuel oil to reflect the period of January through March 1980. The aggregate total consumption for calendar year 1980 is shown below:

	Total Btu Consumed (Quadrillion Btu)	
	1980	April 1980 through March 1981
Natural Gas	5.03	4.94
Electricity	2.47	2.46
Fuel Oil/Kerosene	1.62	1.55
LPG	0.38	0.36
Total	9.50	9.32

Availability of Natural Gas in the Neighborhood: Respondents living in single-family units or mobile homes 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.

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 brick work 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.



Glossary (Continued)

Billing Period: The time between meter-readings. It does not refer to the time the bill was sent nor when the payment was to have been received. In some cases, the billing period is the same as the billing cycle which 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 one pound of water one degree Fahrenheit at or near 39.2 degrees Fahrenheit and one 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	1,021 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	20,000,000 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 woodfuel.

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.

Capacity of Fuel Oil/Kerosene Tank(s): Is the capacity of one tank, or the combined capacity of two tanks, used by the household for storing fuel oil or kerosene. Some households (an estimated 0.2 million) reported having three or more tanks; only two tanks were counted for capacity estimates. An estimated 6.2 million households reported using something "other" than a tank such as a container or jug.

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 cold air ducts bringing the cold air back to the furnace to be reheated. This completes the circulation cycle.

Condominium Ownership: A type of ownership that enables a person to own an apartment or house in a project of similar units. The owner has his or her own deed and, very likely, has a mortgage on the unit. The owner



Glossary (Continued)

also holds common or joint ownership in all common areas such as hallways, entrances, and elevators. Condominium ownership may apply to single-family houses, row houses, town houses, or apartments.

Conservation Items Added during 1979 or 1980: 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. For respondents interviewed before December 31, 1980, the year 1980 represents an incomplete year. About 37 percent of the interviews were completed between September 1980 and the end of the year.

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

"Adjustments to thermostat control (recalibration)" assures that the temperature the thermostat is set for is the actual temperature maintained in your house.

"An additional thermostat (zoning the home)". Adding an additional thermostat regulates the temperature in different parts of the home. For example, the sleeping areas of the home can be kept at a lower temperature than the living areas.

"Smaller nozzle or burner or smaller line on furnace". Adding one of these smaller lines to the oil furnace will cut down on the amount of fuel the furnace burns.

"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)". This type of 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 ducts" is extra insulation around the heating ducts to reduce heat loss as the hot air travels to different parts of the residence.

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

"Meter which displays the cost of energy" is a device to show the homeowner how much energy is being used in his home at a given time and/or to add up the cost of energy usage over a specific period of time.

"Closeable shutters, plastic sheets, insulating drapes" 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. Decorative shutters that do not close are not counted.

"Caulking around any windows or doors to the outside" is available in these types: oil or resin base, latex, butyl- or polyvinyl-based, elastomeric or a filler such as oakum, caulking cotton, sponge rubber, or glass fiber types. Caulking is counted whether done on the inside or outside of the home.





Glossary (Continued)

"Weather-stripping around any windows or doors to the outside" can be applied on the inside or outside of the home. Weatherstripping is available in these basic types: thin spring metal, rolled vinyl, or foam rubber with adhesive backing.

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.

Constant 1980 Dollars: Expenditures expressed in constant 1980 dollars have the effects of inflation removed. This allows one to compare changes in expenditure without the confounding influence of inflation. To get a constant 1980 dollar figure, the 1979 figures were multiplied by 1.0896 and the 1978 figures by 1.1820. The gross national product implicit price deflator (GNP IPD) is the basis of constant dollars in this report.

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 an unheated porch or garage. Doors to a heated hallway in an apartment building, doors that were 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 for all household uses of electricity, such as for hot water, space heating, air-conditioning, cooking, lighting, and other appliances. See "Fuels".

Estimated Bills: This is 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").



Glossary (Continued)

Family Income: is the total combined income in 1979 from all sources of the family members 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 1979, 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 ten groups as follows:

<u>Region</u>	<u>States</u>
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 any masonry or pre-built installed fireplace. Fireplaces in mobile homes are included. A fireplace must have a permanent chimney built into the wall of the house. A free-standing fireplace that can be detached from its chimney is a heating stove.

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.

Fuels: refers to the primary fuel 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.



Glossary (Continued)

"Electricity" refers to metered electric power supplied by a central utility to a residence via underground or above-ground 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 which 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- or water-heating or lighting equipment using wicks. It is sometimes sold under the names of "range oil" or "stove oil".

"LPG or liquified 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 liquified 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 hot water, space-heating, air-conditioning, cooking, and appliances including outdoor gas lights. See "Fuels".

Head of Household: If the respondent was married and living with his or her spouse, the male was considered to be the head of the household. Otherwise, the respondent was the head of the household.

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



Glossary (Continued)

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.

Heating Stove Burning Wood, Coal, and Coke: Any free-standing box or controlled draft stove or built-in fireplace stove. Stoves are made of cast iron, sheet metal, or plate steel. Free-standing fireplaces that can be detached from their chimneys are considered heating stoves. "Airtight" stoves have a gasket around the doors to close off air leakage and control the amount of air intake. "Nonairtight" stoves do not have gaskets around their door openings.

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 in- 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.

Home Energy Audit: A visit to each housing unit by a professional energy auditor to advise the household on how it could save money on its energy bills. Advice received over the telephone (such as from an energy hotline) or from literature received in the mail is not counted. The "Energy Audit Provider" was a professional who represented an electric or gas company, a fuel oil or LPG company, or someone else such as a private contractor.

Hot-Deck Imputation: A procedure by which the household file is sorted by variables related to the missing item. A household is then selected which has the same value on the matching variables and this "donor" household supplies the value for the missing item. (See "Imputation").

Household: A group of up to 12 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.

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



Glossary (Continued)

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.

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

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 (semi-detached), 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, but 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 which 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 ten 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.

Insulation: refers to any material which, 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 which 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 wood fibers, cellulosic 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.





Glossary (Continued)

"Sprayed-in urethane foam" is not shown separately as a category because the description used in the survey was inaccurate. Urethane foam is not sprayed in because it expands so much that confined areas may be broken apart by the force of the expanding substance. The more general category of "sprayed foam" will be used in the future to include all types of foam insulation.

"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 hot water, space-heating, air-conditioning, cooking (cooking on an outdoor grill is not counted) and other 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 Question 21, "What is the main fuel used for heating this house (apartment)?" Question 24 asked about the main heating fuel used to heat the house (apartment) in the winter of 1979-80. This question does not apply to housing units not yet built in the winter of 1979-1980 or to housing units not heated in the winter of 1980-1981 (and assumed not to have been heated in the winter of 1979-1980).

Main Outside Wall Material: The predominant type of wall material. Houses built with two materials used in approximately the same amount are classified as having a "combination" of materials.

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.

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.

Nominal Dollars: is the value of dollars for the year specified. Sometimes called "current dollars", nominal dollars have not been modified to remove the effects of inflation. See also "Constant Dollars".



Glossary (Continued)

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 which are used year-round. Rooms used for offices by a person living in the unit are included in this survey.

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 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.

Rooms are counted as year-round living space if they are completely enclosed with permanently installed walls, windows, and roof, and can be heated.

Occupied Housing Unit: A unit someone was living in as his/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 your origin"? The groups included--white, black or negro, American Indian, Alaska native, Asian, Pacific Islander. The word "race" was not used in either the questionnaire or the instructions.

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 rent is paid nor contracted for. 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".

Poor: "Total Poor (100 Percent Level)" defines a group of households with incomes below the poverty level defined by the Bureau of the Census. "Total Poor (125 Percent Level)" defines a group of households with incomes of 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. In addition, the RECS survey did not ask about the farm-nonfarm distinction, thus further limiting a closer match to Census thresholds which are lower for farm households.



Glossary (Continued)

Table H. Definition of Poor

Number of Persons per Family	100 Percent Level of Poverty		125 Percent Level of Poverty	
	1979 RECS Income Range	Census Threshold ^a	1979 RECS Income Range	125 Percent of 100 Percent Threshold
	Less than:		Less than:	
1	\$4,000	\$3,683	\$5,000	\$4,604
2	\$5,000	\$4,702	\$6,000	\$5,878
3	\$6,000	\$5,763	\$7,000	\$7,204
4	\$7,000	\$7,386	\$9,000	\$9,233
5	\$9,000	\$8,736	\$11,000	\$10,920
6	\$10,000	\$9,849	\$12,000	\$12,311
7 or more	\$12,000	\$12,212	\$15,000	\$15,265

^aFigures from the Bureau of the Census, Money Income and Poverty Status of Families and Persons in the United States: 1979 (Advance Report) (Series P-60, No. 125), October 1980. See Table 17, page 28.

The definitions above produced an estimate of 10.897 million poor households (100 percent level of poverty) and 14.774 million poor households at the higher level. The Bureau of the Census estimate for March 1980 is 9.521 million poor households (100 percent of poverty) and 13.670 million poor households (125 percent level of poverty). The Census estimates have not been adjusted for the 1980 Census which counted several million households more than were anticipated. The RECS estimates are based on the 1980 Census results and thus would be expected to be larger than estimates not based on the larger number of households found in the 1980 Census.

Portable Heater(s): Heaters that can be picked up and moved including electric heaters that get current through a cord plugged into an electrical wall outlet. Portable space-heaters are included in this category.

Quadrillion: Or "quad" equals 1,000,000,000,000,000 or 10^{15} .

Race: See "Origin".

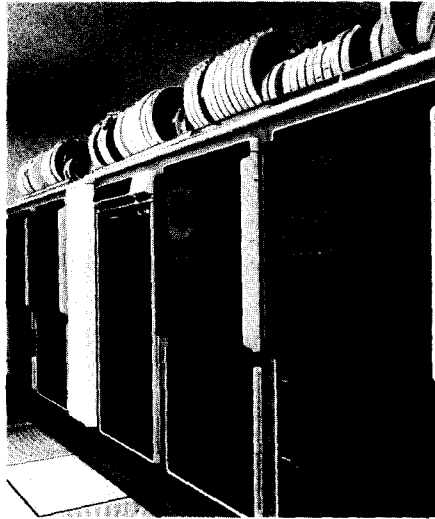
Residential: Refers to occupied housing units including mobile homes, single-family housing units (attached and detached), and apartments. The definition of housing units is the same as that used by the Bureau of the Census. See "Household" and "Housing Unit" for further definition.

Rooms: See "Number of Rooms".

Refrigerators: with no freezer sections are included in the nonfrost-free category. "Frost-free" means that frost does not build up on the sides 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 which may or may not be connected to a flue, vent, or chimney.

Rural: refers to places which had a population of less than 2,500 in the 1970 Census.





Glossary (Continued)

Screener Survey: The Residential Energy Consumption Survey which 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.

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.

SMSA: A group of households located within Standard Metropolitan Statistical Areas (SMSA's) as defined in the 1970 Census. Except in New England, an SMSA is a county or group of contiguous counties which 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 SMSA if, according to certain criteria, they are essentially metropolitan in character and are socially and economically integrated with the central city. In New England, SMSA's consist of towns and cities, rather than counties. "Non-SMSA" refers to households not located within SMSA's as defined in the 1970 Census.

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 are attached to 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 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. All "measurements" are standardized to outside estimates, if not already outside measurements. For details on how the measurement was made and how the data were treated, see Appendix B.

"Heated square feet" is 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 which 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 added to the exterior of existing windows. Windows made of double or insulating glass, such as thermopane, are storm windows. Glass or plexiglass placed over windows on either the interior or exterior side are included. Plastic sheets covering windows are not included.



Glossary (Continued)

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 his/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.

Type of Utility: Households were classified on the basis of whether the utility was privately, publicly, or customer-owned. Electric utilities were designated on the basis of their membership in one of the following associations:

<u>Designation</u>	<u>Association Membership</u>
Privately Owned	Edison Electric Institute (EEI)
Publicly Owned	American Public Power Association (APPA)
Customer Owned	National Rural Electric Cooperative Association (NRECA)

Gas utilities were designated privately owned if the utility was a member of the American Gas Association.

The utility ownership was designated "unknown" if the household's fuel supplier could not be classified because the supplier was not listed as a member of one of the aforementioned associations or if the fuel supplier was unknown because the household did not pay directly to the supplier for the fuel used.

Urban: Includes housing in places of 2,500 inhabitants or more as defined in the 1970 Census.

Utilities Paid by Household: Fuel suppliers or utility companies paid directly for all electricity, natural gas, fuel oil, kerosene, or liquified petroleum gas used by the household. Households paying directly to the utility were classified in this survey as "all paid." Households that paid directly for at least one but not all of 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 the above three categories. 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.

Water-Heating Fuel: The answer to the question "Which fuel is used most for heating water?" Households that did not have running water in their homes were also asked this question. The water-heating fuel is used for heating water for bathing and washing. 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 on an enclosed porch provided the respondent's household had access to it.

Weatherization Program: A community program to help some people save energy by providing and installing such materials as insulation, storm windows, or storm doors at no cost to the household.



Glossary (Continued)

Windows: All windows in the year-round living space. Windows in the basement, attic, garage, and porch are included only if these areas are heated. Windows in doors are not included. Each window that opens separately is counted as one window. Windows fixed in place are also counted. Respondents were shown an exhibit which presented the picture of a door of standard size and a large, medium, and small-sized window beside the door for comparison. In addition, each size of window was defined in square feet to enable the interviewer or respondent to classify windows by multiplying the width times the height.



Wood Burned: Amount of wood burned in the home at any time in the past 12 months in either a fireplace, stove, or furnace as reported by the respondent at the time of the interview. Households burning less than 1/3 of cord of wood are not shown separately in this report, nor is their consumption of wood included in figures on wood consumption. January 1981 represents the midpoint of interviewing; therefore, the consumption period for wood burned in the prior 12 months is calendar year 1980 for the typical respondent. This means the figures for wood burned cover part of the 1979-1980 heating season and part of the 1980-1981 heating season.

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. The picture below of a cord and a rack (1/3 of a cord) was shown to respondents.

The conversion of cords of wood into a Btu equivalent is an imprecise exercise. First, 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.

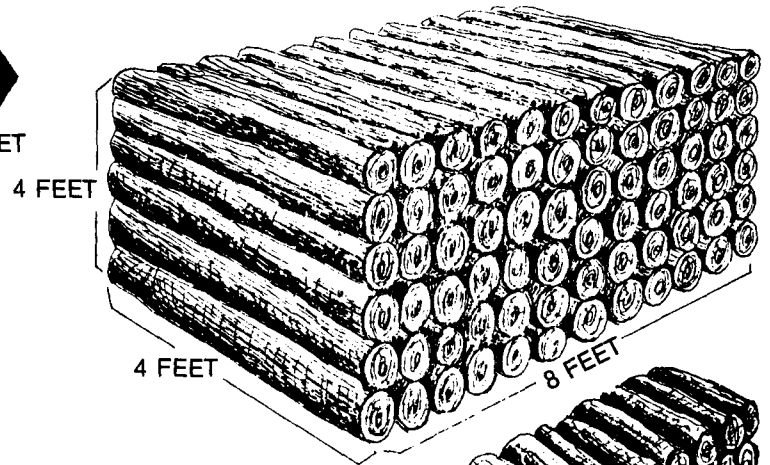
Other factors which make it difficult to estimate the Btu value of the wood burned is that the amount of empty space in between the stacked logs may vary from 12 to 40 percent of the volume. The moisture content may vary from 20 percent in dried wood to 50 percent in green wood. Moisture reduces the useful Btu output as energy is used to drive off the moisture. And 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 20,000,000 Btu per cord which is a rough average taking all these factors into account.



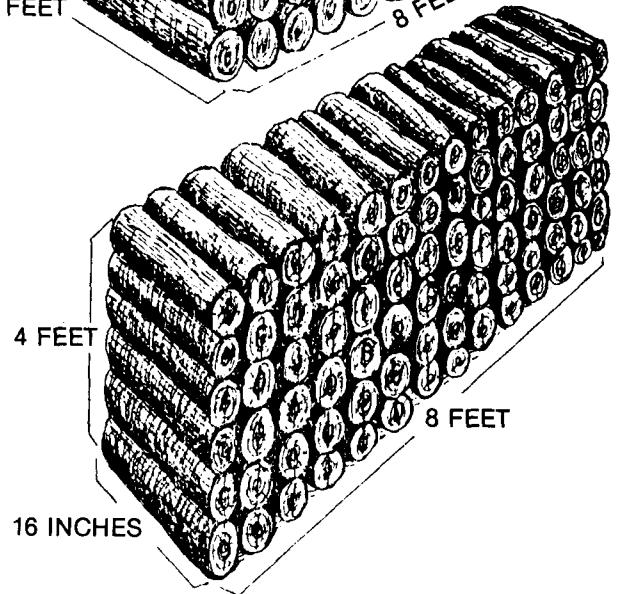
Glossary (Continued)

Size and Volume Contained in a Cord and a Rack of Firewood

CORD →
CONTAINS
128 CUBIC FEET



RACK →
CONTAINS
43 CUBIC FEET



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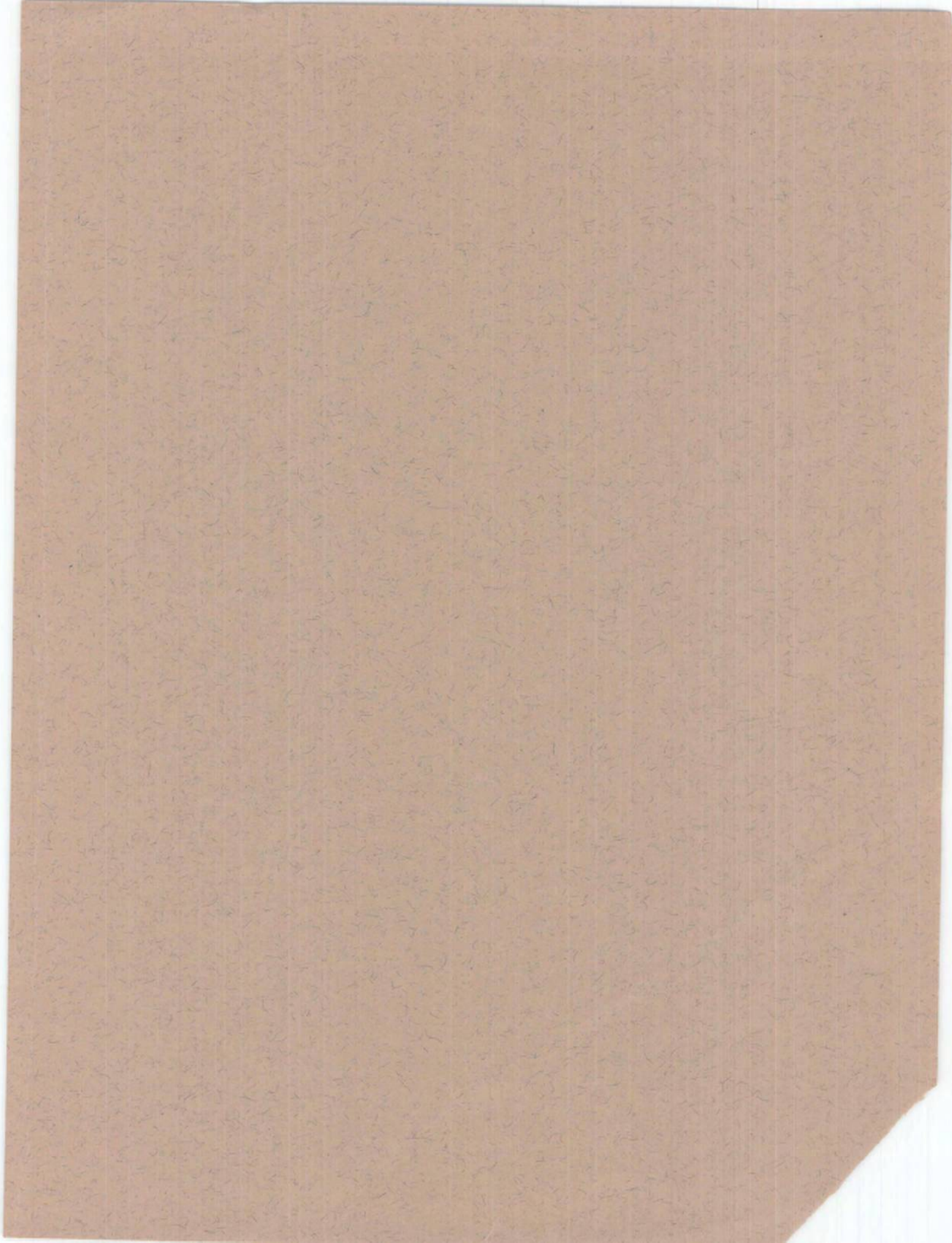
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