

**Table 5.14. Total Electricity and Natural Gas Consumption and Expenditures for Space Heating in U.S. Households, 1993**

Characteristics	Electricity				Natural Gas				RSE Row Factors
	House- holds (million)	Total Consumed		Total Expenditures (billion dollars)	House- holds (million)	Total Consumed		Total Expenditures (billion dollars)	
		(quad- rillion Btu)	(billion kWh)			(quad- rillion Btu)	(billion cubic feet)		
RSE Column Factors:	0.9	1.3 <sup>1</sup>	1.3 <sup>1</sup>	1.2 <sup>1</sup>	0.7	0.9 <sup>1</sup>	0.9 <sup>1</sup>	0.9 <sup>1</sup>	
<b>Total U.S. Households</b> .....	<b>37.1</b>	<b>0.41</b>	<b>119</b>	<b>8.66</b>	<b>52.6</b>	<b>3.67</b>	<b>3,570</b>	<b>21.95</b>	<b>4.3</b>
<b>Census Region and Division</b>									
Northeast .....	4.1	.04	12	1.13	9.5	.78	754	5.82	11.9
New England .....	1.0	.01	3	.30	1.6	.13	123	1.05	19.3
Middle Atlantic .....	3.1	.03	9	.83	7.9	.65	631	4.78	14.2
Midwest .....	5.8	.07	22	1.54	17.0	1.56	1,519	8.40	11.1
East North Central .....	3.5	.04	13	.95	13.0	1.20	1,167	6.49	10.9
West North Central .....	2.4	.03	9	.59	4.1	.36	351	1.91	26.0
South .....	18.8	.21	61	4.42	13.6	.78	757	4.75	6.4
South Atlantic .....	10.7	.11	31	2.41	4.9	.29	280	2.03	8.6
East South Central .....	3.4	.05	15	.88	2.4	.16	160	.93	18.0
West South Central .....	4.8	.05	15	1.12	6.3	.33	317	1.79	10.6
West .....	8.3	.08	25	1.57	12.4	.56	541	2.99	6.3
Mountain .....	2.0	.02	6	.39	3.5	.23	227	1.10	8.9
Pacific .....	6.3	.06	19	1.18	9.0	.32	314	1.89	8.2
<b>Largest Populated States</b>									
California .....	3.9	.02	5	.50	8.1	.25	245	1.51	6.7
Florida .....	4.7	.03	8	.67	Q	Q	Q	Q	9.7
New York .....	1.1	Q	Q	Q	3.6	.29	282	2.33	26.8
Texas .....	3.2	.03	10	.75	3.7	.18	176	.99	16.2
<b>Urban Status</b>									
Urban .....	28.3	.28	82	6.21	45.1	3.06	2,973	18.56	4.5
Central City .....	10.8	.09	25	1.93	19.7	1.30	1,265	8.10	7.2
Suburban .....	17.6	.19	57	4.28	25.4	1.76	1,708	10.46	5.1
Rural .....	8.8	.13	38	2.45	7.5	.61	597	3.40	12.4
<b>Climate Zone <sup>2</sup></b>									
Under 2,000 CDD and Over 7,000 HDD .....	2.3	.03	8	.44	4.4	.40	393	2.19	17.6
5,500 to 7,000 HDD .....	6.9	.10	28	2.06	17.7	1.59	1,544	9.19	14.0
4,000 to 5,499 HDD .....	8.6	.12	36	2.50	10.5	.81	792	5.37	11.6
Under 4,000 HDD .....	7.5	.06	18	1.45	10.6	.45	437	2.77	15.8
2,000 CDD or More and Under 4,000 HDD .....	11.8	.10	28	2.21	9.3	.41	403	2.43	9.9
<b>Total Number of Rooms (Excluding Bathrooms)</b>									
1 or 2 .....	1.2	.01	2	.18	1.6	.04	35	.25	18.7
3 to 5 .....	19.5	.19	57	4.18	23.4	1.26	1,222	7.65	5.6
6 to 8 .....	14.6	.19	54	3.89	23.9	1.95	1,896	11.55	5.5
9 or More .....	1.8	.02	6	.42	3.7	.43	417	2.51	14.0
<b>Type of Housing Unit</b>									
Single-Family .....	24.3	.30	88	6.23	38.8	2.99	2,906	17.63	4.8
Detached .....	21.2	.26	77	5.41	34.5	2.72	2,645	15.89	5.2
Attached .....	3.1	.04	11	.82	4.3	.27	262	1.74	14.8
Mobile Home .....	2.1	.03	8	.58	1.8	.10	97	.56	17.8
Multifamily .....	10.7	.08	23	1.85	12.0	.58	567	3.77	8.1
2 to 4 Units .....	2.8	.03	8	.66	4.8	.37	361	2.42	12.8
5 or More Units .....	7.9	.05	15	1.19	7.2	.21	206	1.35	10.1
<b>Heated Floorspace (square feet)</b>									
Fewer than 1,000 .....	11.9	.10	31	2.29	14.1	.63	618	3.93	5.6
1,000 to 1,999 .....	16.2	.18	54	3.90	22.4	1.44	1,397	8.63	5.7
2,000 to 2,999 .....	6.0	.08	23	1.67	10.5	.95	924	5.64	6.7
3,000 or More .....	2.9	.04	11	.79	5.6	.65	632	3.76	10.1

See footnotes at end of table.

**Table 5.14. Total Electricity and Natural Gas Consumption and Expenditures for Space Heating in U.S. Households, 1993 (Continued)**

Characteristics	Electricity				Natural Gas				RSE Row Factors
	Households (million)	Total Consumed		Total Expenditures (billion dollars)	Households (million)	Total Consumed		Total Expenditures (billion dollars)	
		(quad- rillion Btu)	(billion kWh)			(quad- rillion Btu)	(billion cubic feet)		
RSE Column Factors:	0.9	1.3 <sup>1</sup>	1.3 <sup>1</sup>	1.2 <sup>1</sup>	0.7	0.9 <sup>1</sup>	0.9 <sup>1</sup>	0.9 <sup>1</sup>	
<b>Ownership of Unit</b>									
Owned .....	23.1	0.28	83	5.93	35.3	2.80	2,720	16.60	4.7
Rented .....	14.0	.12	36	2.73	17.3	.87	851	5.36	6.2
Public Housing .....	1.6	.01	4	.33	1.7	.07	63	.41	18.6
Not Public Housing .....	12.4	.11	32	2.40	15.5	.81	787	4.95	6.8
Rent Subsidy .....	.8	.01	2	.17	1.0	.06	54	.35	17.5
No Rent Subsidy .....	11.6	.10	30	2.23	14.5	.75	733	4.60	7.0
<b>Year of Construction</b>									
1939 or Before .....	4.8	.03	10	.68	12.9	1.15	1,123	6.98	9.3
1940 to 1949 .....	1.8	.02	5	.31	4.4	.31	301	1.87	13.6
1950 to 1959 .....	3.9	.04	10	.79	8.4	.58	568	3.59	9.0
1960 to 1969 .....	5.3	.06	17	1.25	9.2	.63	612	3.73	9.0
1970 to 1979 .....	8.8	.12	34	2.43	7.8	.45	442	2.56	8.0
1980 to 1984 .....	4.8	.06	17	1.27	3.6	.17	166	1.02	10.0
1985 to 1987 .....	3.2	.03	10	.74	2.3	.13	122	.76	11.7
1988 to 1990 .....	2.5	.03	9	.69	1.9	.12	114	.68	12.6
1991 to 1993 <sup>3</sup> .....	2.1	.02	7	.50	2.1	.13	124	.77	15.7
<b>Electric Space-Heating</b>									
<b>Paid by Household .....</b>	<b>35.3</b>	<b>.39</b>	<b>114</b>	<b>8.24</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>5.7</b>
<b>Natural Gas Space-Heating</b>									
<b>Paid by Household .....</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>45.1</b>	<b>3.29</b>	<b>3,202</b>	<b>19.64</b>	<b>6.0</b>
<b>1993 Family Income</b>									
Less than \$5,000 .....	1.6	.01	4	.29	2.1	.12	113	.72	14.6
\$5,000 to \$9,999 .....	4.1	.04	13	.99	5.4	.33	321	1.99	8.8
\$10,000 to \$14,999 .....	4.2	.04	11	.79	6.2	.41	395	2.42	9.1
\$15,000 to \$19,999 .....	3.7	.04	10	.71	5.3	.38	372	2.23	11.1
\$20,000 to \$24,999 .....	3.5	.04	12	.79	4.6	.31	301	1.85	9.6
\$25,000 to \$34,999 .....	5.4	.06	19	1.37	7.2	.50	484	2.95	7.9
\$35,000 to \$49,999 .....	6.6	.07	22	1.55	9.5	.66	638	3.94	6.5
\$50,000 to \$74,999 .....	5.0	.06	18	1.27	7.2	.53	513	3.11	7.6
\$75,000 or More .....	3.1	.04	12	.90	5.2	.45	433	2.74	10.2
<b>Below Poverty Line</b>									
100 Percent .....	5.5	.05	15	1.12	7.4	.44	425	2.66	8.8
125 Percent .....	7.3	.07	21	1.53	9.8	.60	587	3.67	7.8
150 Percent .....	9.7	.09	28	2.07	12.5	.78	763	4.73	7.2
<b>Eligible for Federal Assistance<sup>4</sup> .....</b>									
<b>11.7</b>	<b>.11</b>	<b>34</b>	<b>2.51</b>	<b>16.0</b>	<b>1.05</b>	<b>1,022</b>	<b>6.34</b>	<b>6.7</b>	
<b>Age of Householder</b>									
Under 25 Years .....	2.8	.02	7	.54	2.6	.15	146	.87	14.5
25 to 34 Years .....	7.8	.08	23	1.73	11.1	.69	667	4.09	6.2
35 to 44 Years .....	8.1	.09	27	1.95	11.7	.76	736	4.58	6.3
45 to 59 Years .....	8.1	.10	29	2.06	11.8	.85	830	5.06	6.5
60 Years and Over .....	10.2	.11	33	2.38	15.4	1.23	1,192	7.35	6.4
<b>Education of Householder</b>									
Less than 13 Years .....	18.2	.21	60	4.34	27.3	1.87	1,823	11.16	5.3
13 to 16 Years .....	14.0	.15	45	3.30	18.2	1.28	1,245	7.62	5.6
17 Years or More .....	5.0	.05	14	1.02	7.1	.52	503	3.17	7.7

See footnotes at end of table.

**Table 5.14. Total Electricity and Natural Gas Consumption and Expenditures for Space Heating in U.S. Households, 1993 (Continued)**

Characteristics	Electricity				Natural Gas				RSE Row Factors
	Households (million)	Total Consumed		Total Expenditures (billion dollars)	Households (million)	Total Consumed		Total Expenditures (billion dollars)	
		(quad- rillion Btu)	(billion kWh)			(quad- rillion Btu)	(billion cubic feet)		
RSE Column Factors:	0.9	1.3 <sup>1</sup>	1.3 <sup>1</sup>	1.2 <sup>1</sup>	0.7	0.9 <sup>1</sup>	0.9 <sup>1</sup>	0.9 <sup>1</sup>	
<b>Race of Householder</b>									
White .....	31.1	0.36	105	7.47	42.7	3.04	2,957	18.02	4.8
Black .....	3.8	.03	10	.77	6.8	.50	487	3.11	10.1
Other <sup>5</sup> .....	2.2	.02	5	.41	3.1	.13	127	.82	12.0
<b>Householder of Hispanic Descent</b>									
Yes .....	2.9	.02	6	.54	4.1	.19	190	1.21	11.8
No .....	34.2	.38	113	8.12	48.4	3.48	3,381	20.75	4.5
<b>Household Size</b>									
1 Person .....	9.5	.10	28	2.13	12.4	.78	762	4.68	6.1
2 Persons .....	12.7	.15	43	3.10	16.9	1.18	1,152	7.01	5.6
3 Persons .....	5.8	.06	18	1.29	9.4	.66	645	4.08	7.4
4 Persons .....	5.3	.06	17	1.22	8.5	.65	630	3.85	6.2
5 Persons .....	2.7	.03	9	.67	3.5	.25	241	1.46	9.5
6 or More Persons .....	1.1	.01	4	.25	1.9	.14	141	.86	14.4

<sup>1</sup> This factor is underestimated because it contains no error for estimating this end use.

<sup>2</sup> Climate zones are based on annual degree-days that are averaged over 30 years from 1961 to 1990.

<sup>3</sup> Does not include all new construction for 1993.

<sup>4</sup> Below 150 percent of poverty line or 60 percent of median State income.

<sup>5</sup> Includes some householders who described themselves as Hispanic rather than White, Black, or other.

-- = Not applicable.

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals. • See "Glossary" for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-457 A, B, C, E, and F of the 1993 Residential Energy Consumption Survey (for specific titles of forms, see Appendix E).

**Table 5.15. Total Fuel Oil, Kerosene, and LPG Consumption and Expenditures for Space Heating in U.S. Households, 1993**

Characteristics	Fuel Oil				Kerosene				Liquefied Petroleum Gas				RSE Row Factors
	Households (million)	Total Consumed		Total Expenditures (billion dollars)	Households (million)	Total Consumed		Total Expenditures (billion dollars)	Households (million)	Total Consumed		Total Expenditures (billion dollars)	
		(quad-ril-lion Btu)	(bil-lion gal-lons)			(quad-ril-lion Btu)	(bil-lion gal-lons)			(quad-ril-lion Btu)	(bil-lion gal-lons)		
RSE Column Factors:	0.6	0.7 <sup>1</sup>	0.7 <sup>1</sup>	0.7 <sup>1</sup>	1.1	1.5 <sup>1</sup>	1.5 <sup>1</sup>	1.5 <sup>1</sup>	0.9	1.1 <sup>1</sup>	1.1 <sup>1</sup>	1.0 <sup>1</sup>	
<b>Total U.S. Households</b> .....	<b>10.7</b>	<b>0.90</b>	<b>6.51</b>	<b>5.88</b>	<b>3.6</b>	<b>0.05</b>	<b>0.34</b>	<b>0.37</b>	<b>5.6</b>	<b>0.30</b>	<b>3.25</b>	<b>2.81</b>	<b>11.2</b>
<b>Census Region and Division</b>													
Northeast .....	7.3	.64	4.62	4.15	.7	.02	.14	.15	.3	.01	.13	.14	20.8
New England .....	2.6	.25	1.81	1.63	.2	Q	Q	Q	.2	Q	Q	Q	19.3
Middle Atlantic .....	4.7	.39	2.81	2.52	.5	.01	.08	.08	.1	Q	Q	Q	24.4
Midwest .....	1.4	.13	.91	.78	1.0	Q	Q	.05	1.9	.16	1.72	1.33	24.5
East North Central .....	.7	.07	.51	.44	.9	Q	Q	Q	1.0	.09	.98	.76	32.2
West North Central .....	.6	.06	.41	.34	.1	Q	Q	Q	.9	.07	.74	.56	29.9
South .....	1.5	.10	.74	.71	1.8	.02	.15	.16	2.8	.10	1.09	1.05	17.3
South Atlantic .....	1.4	.10	.70	.67	1.4	.02	.13	.14	1.4	.05	.55	.57	21.3
East South Central .....	Q	Q	Q	Q	.3	Q	Q	Q	.8	.03	.34	.31	26.0
West South Central .....	NC	NC	NC	NC	Q	Q	Q	Q	.6	.02	.20	.17	30.1
West .....	.5	.03	.23	.23	Q	Q	Q	Q	.6	.03	.31	.29	39.3
Mountain .....	Q	Q	Q	Q	Q	Q	Q	Q	.4	.02	.24	.20	34.2
Pacific .....	Q	.03	.19	.19	Q	Q	Q	Q	.2	Q	Q	Q	48.6
<b>Largest Populated States</b>													
California .....	Q	Q	Q	Q	Q	Q	Q	Q	.2	(*)	.03	.04	28.0
Florida .....	Q	Q	Q	Q	Q	Q	Q	Q	.3	.01	.06	.08	40.0
New York .....	2.6	.20	1.47	1.31	.3	Q	Q	.06	Q	Q	Q	Q	30.4
Texas .....	NC	NC	NC	NC	Q	Q	Q	Q	Q	.01	.13	.10	36.0
<b>Urban Status</b>													
Urban .....	8.1	.67	4.81	4.37	1.8	.02	.16	.17	1.9	.09	.94	.86	14.8
Central City .....	2.7	.16	1.16	.99	.5	.01	.05	.06	.2	.01	.10	.10	21.4
Suburban .....	5.4	.51	3.65	3.39	1.3	.01	.10	.12	1.6	.08	.84	.76	16.8
Rural .....	2.6	.23	1.70	1.50	1.8	.02	.18	.19	3.7	.21	2.30	1.95	14.3
<b>Climate Zone <sup>2</sup></b>													
Under 2,000 CDD and Over 7,000 HDD .....	2.0	.19	1.37	1.19	.4	.01	.08	.08	.8	.06	.60	.49	29.1
5,500 to 7,000 HDD .....	3.4	.33	2.35	2.13	.9	.01	.08	.09	1.1	.09	1.01	.80	30.2
4,000 to 5,499 HDD .....	4.6	.35	2.55	2.33	1.0	.01	.06	.07	.8	Q	Q	.50	22.9
Under 4,000 HDD .....	.4	.03	.21	.19	.8	.01	.08	.09	1.3	.05	.55	.54	33.1
2,000 CDD or More and Under 4,000 HDD .....	Q	Q	Q	Q	.5	.01	.04	.05	1.6	.05	.49	.48	30.0
<b>Total Number of Rooms (Excluding Bathrooms)</b>													
1 or 2 .....	.4	.01	.08	.07	Q	Q	Q	Q	Q	Q	Q	Q	34.9
3 to 5 .....	4.2	.28	2.01	1.74	1.9	.03	.24	.26	2.8	.12	1.32	1.18	12.5
6 to 8 .....	5.1	.49	3.52	3.24	1.4	.01	.09	.10	2.5	.15	1.68	1.43	14.9
9 or More .....	.9	.12	.90	.83	.2	(*)	(*)	.01	.3	.02	.25	.20	26.3
<b>Type of Housing Unit</b>													
Single-Family .....	8.0	.76	5.49	5.05	2.6	.03	.19	.21	4.2	.24	2.63	2.24	12.7
Detached .....	7.4	.72	5.16	4.75	2.5	.03	.19	.21	4.1	.24	2.59	2.21	12.9
Attached .....	.6	.05	.33	.30	.2	(*)	.01	.01	Q	Q	Q	Q	26.5
Mobile Home .....	.3	.02	.13	.12	.7	.02	.13	.14	1.3	.05	.60	.55	23.0
Multifamily .....	2.4	.12	.89	.71	.3	(*)	.01	.01	Q	Q	Q	Q	20.3
2 to 4 Units .....	.9	.07	.53	.48	.2	(*)	.01	.01	Q	Q	Q	Q	25.4
5 or More Units .....	1.5	.05	.36	.23	Q	Q	Q	Q	Q	Q	Q	Q	19.1
<b>Heated Floorspace (square feet)</b>													
Fewer than 1,000 .....	2.3	.11	.78	.64	1.2	.02	.17	.19	1.7	.07	.72	.68	14.3
1,000 to 1,999 .....	3.9	.31	2.21	2.02	1.4	.02	.12	.13	2.3	.11	1.18	1.04	14.3
2,000 to 2,999 .....	2.9	.30	2.14	1.95	.6	(*)	.02	.02	1.0	.07	.73	.63	18.7
3,000 or More .....	1.6	.19	1.38	1.26	.3	Q	Q	Q	.6	.06	.62	.46	20.8

See footnotes at end of table.

**Table 5.15. Total Fuel Oil, Kerosene, and LPG Consumption and Expenditures for Space Heating in U.S. Households, 1993 (Continued)**

Characteristics	Fuel Oil				Kerosene				Liquefied Petroleum Gas				RSE Row Factors
	House- holds (mil- lion)	Total Consumed		Total Expend- itures (billion dollars)	House- holds (mil- lion)	Total Consumed		Total Expend- itures (billion dollars)	House- holds (mil- lion)	Total Consumed		Total Expend- itures (billion dollars)	
		(quad- ril- lion Btu)	(bil- lion gal- lons)			(quad- ril- lion Btu)	(bil- lion gal- lons)			(quad- ril- lion Btu)	(bil- lion gal- lons)		
RSE Column Factors:	0.6	0.7 <sup>1</sup>	0.7 <sup>1</sup>	0.7 <sup>1</sup>	1.1	1.5 <sup>1</sup>	1.5 <sup>1</sup>	1.5 <sup>1</sup>	0.9	1.1 <sup>1</sup>	1.1 <sup>1</sup>	1.0 <sup>1</sup>	
<b>Ownership of Unit</b>													
Owned .....	7.7	0.74	5.31	4.89	2.5	0.03	0.23	0.25	4.7	0.25	2.76	2.38	12.3
Rented .....	3.0	.17	1.20	.99	1.0	.01	.11	.11	.9	.04	.49	.44	13.5
Public Housing .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Not Public Housing .....	2.8	.16	1.16	.97	1.0	.01	.10	.11	.9	.04	.48	.43	13.6
Rent Subsidy .....	.2	.01	.09	.07	Q	Q	Q	Q	Q	Q	Q	Q	30.4
No Rent Subsidy .....	2.6	.15	1.07	.90	1.0	.01	.10	.11	.9	.04	.46	.41	14.7
<b>Year of Construction</b>													
1939 or Before .....	4.2	.39	2.81	2.50	1.1	.01	.09	.10	1.4	.10	1.13	.90	14.5
1940 to 1949 .....	1.2	.09	.67	.59	.3	(*)	.03	.03	.4	.03	.27	.24	26.6
1950 to 1959 .....	1.9	.17	1.20	1.13	.4	(*)	.03	.03	.6	.02	.24	.22	27.1
1960 to 1969 .....	1.3	.09	.66	.60	.7	(*)	.03	.04	.7	.04	.46	.41	22.0
1970 to 1979 .....	1.3	.10	.75	.67	.6	.01	.09	.09	1.2	.05	.52	.46	17.7
1980 to 1984 .....	.3	.02	.12	.11	.2	(*)	.02	.03	.3	.01	.12	.11	25.0
1985 to 1987 .....	.2	.01	.10	.09	.2	(*)	.01	.01	.3	.01	.16	.15	31.4
1988 to 1990 .....	.2	.02	.12	.11	.2	Q	Q	Q	.3	.01	.15	.14	33.1
1991 to 1993 <sup>3</sup> .....	.1	.01	.07	.07	Q	Q	Q	Q	.4	.02	.19	.17	37.3
<b>Fuel Oil</b>													
<b>Paid by Household .....</b>	<b>8.6</b>	<b>.81</b>	<b>5.85</b>	<b>5.38</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>14.4</b>
<b>Liquefied Petroleum Gas</b>													
<b>Paid by Household .....</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>5.4</b>	<b>.29</b>	<b>3.15</b>	<b>2.73</b>	<b>16.8</b>
<b>1993 Family Income</b>													
Less than \$5,000 .....	.4	.03	.18	.16	.1	(*)	.02	.02	.2	.01	.14	.12	32.6
\$5,000 to \$9,999 .....	.9	.07	.48	.43	.5	.01	.05	.06	.8	.03	.37	.34	22.3
\$10,000 to \$14,999 .....	1.0	.08	.59	.52	.4	.01	.06	.06	.6	.03	.28	.26	20.9
\$15,000 to \$19,999 .....	.9	.08	.57	.50	.6	.01	.08	.09	.6	.03	.34	.30	22.4
\$20,000 to \$24,999 .....	.9	.07	.53	.46	.3	(*)	.03	.03	.7	.03	.36	.31	22.1
\$25,000 to \$34,999 .....	1.7	.14	1.03	.94	.5	.01	.04	.05	1.2	.06	.66	.57	20.6
\$35,000 to \$49,999 .....	2.4	.18	1.32	1.19	.5	(*)	.03	.03	.8	.05	.56	.47	16.6
\$50,000 to \$74,999 .....	1.6	.15	1.05	.97	.4	(*)	.01	.02	.5	.03	.38	.31	17.0
\$75,000 or More .....	.9	.10	.75	.72	.3	Q	Q	Q	.3	.01	.16	.13	28.0
<b>Below Poverty Line</b>													
100 Percent .....	1.2	.08	.58	.50	.7	.01	.09	.09	1.1	.05	.52	.48	19.3
125 Percent .....	1.8	.12	.86	.73	1.0	.02	.12	.13	1.6	.07	.74	.66	18.0
150 Percent .....	2.2	.16	1.12	.98	1.2	.02	.13	.14	1.8	.08	.84	.76	17.0
<b>Eligible for Federal Assistance<sup>4</sup> .....</b>													
<b>2.9</b>	<b>.22</b>	<b>1.60</b>	<b>1.40</b>	<b>1.4</b>	<b>.02</b>	<b>.17</b>	<b>.19</b>	<b>2.0</b>	<b>.09</b>	<b>.96</b>	<b>.88</b>	<b>15.0</b>	
<b>Age of Householder</b>													
Under 25 Years .....	.4	.02	.13	.12	.2	(*)	.02	.02	.2	.01	.09	.08	29.0
25 to 34 Years .....	1.6	.12	.86	.74	.6	.01	.06	.07	.9	.04	.49	.43	17.9
35 to 44 Years .....	2.4	.18	1.27	1.16	1.0	.01	.09	.10	1.1	.05	.57	.50	15.7
45 to 59 Years .....	2.7	.23	1.67	1.52	1.0	.01	.07	.08	1.5	.08	.92	.79	15.4
60 Years and Over .....	3.6	.36	2.58	2.34	.7	.01	.09	.09	1.9	.11	1.18	1.01	17.7
<b>Education of Householder</b>													
Less than 13 Years .....	5.9	.46	3.33	2.95	2.4	.03	.25	.28	4.0	.20	2.22	1.92	11.9
13 to 16 Years .....	3.5	.32	2.30	2.11	.8	.01	.07	.07	1.4	.08	.88	.76	13.7
17 Years or More .....	1.2	.12	.87	.82	.3	Q	Q	Q	.2	.01	.15	.13	26.8

See footnotes at end of table.

**Table 5.15. Total Fuel Oil, Kerosene, and LPG Consumption and Expenditures for Space Heating in U.S. Households, 1993 (Continued)**

Characteristics	Fuel Oil				Kerosene				Liquefied Petroleum Gas				RSE Row Factors
	Households (million)	Total Consumed		Total Expenditures (billion dollars)	Households (million)	Total Consumed		Total Expenditures (billion dollars)	Households (million)	Total Consumed		Total Expenditures (billion dollars)	
		(quadrillion Btu)	(billion gallons)			(quadrillion Btu)	(billion gallons)			(quadrillion Btu)	(billion gallons)		
RSE Column Factors:	0.6	0.7 <sup>1</sup>	0.7 <sup>1</sup>	0.7 <sup>1</sup>	1.1	1.5 <sup>1</sup>	1.5 <sup>1</sup>	1.5 <sup>1</sup>	0.9	1.1 <sup>1</sup>	1.1 <sup>1</sup>	1.0 <sup>1</sup>	
<b>Race of Householder</b>													
White .....	9.4	0.82	5.95	5.39	3.0	0.04	0.26	0.28	5.2	0.29	3.13	2.70	11.7
Black .....	.8	.06	.42	.38	.5	.01	.06	.07	.4	.01	.09	.09	28.6
Other <sup>5</sup> .....	.4	.02	.14	.11	Q	Q	Q	Q	Q	Q	Q	Q	27.9
<b>Householder of Hispanic Descent</b>													
Yes .....	.9	.05	.39	.32	Q	Q	Q	Q	.3	.01	.08	.08	26.4
No .....	9.7	.85	6.12	5.56	3.4	.04	.32	.35	5.3	.29	3.17	2.74	11.3
<b>Household Size</b>													
1 Person .....	2.3	.18	1.30	1.18	.6	.01	.08	.08	.9	.05	.53	.46	17.8
2 Persons .....	3.5	.30	2.19	1.96	1.1	.01	.10	.11	2.2	.12	1.29	1.14	17.5
3 Persons .....	2.0	.18	1.27	1.15	.9	.01	.07	.08	1.0	.05	.55	.48	15.8
4 Persons .....	1.7	.14	1.04	.95	.6	.01	.04	.04	.8	.04	.45	.40	16.6
5 Persons .....	.8	.06	.45	.40	.4	.01	.04	.04	.5	.03	.33	.26	22.6
6 or More Persons .....	.4	.04	.26	.23	Q	Q	Q	Q	.2	.01	.10	.08	26.8

<sup>1</sup> This factor is underestimated because it contains no error for estimating this end use.

<sup>2</sup> Climate zones are based on annual degree-days that are averaged over 30 years from 1961 to 1990.

<sup>3</sup> Does not include all new construction for 1993.

<sup>4</sup> Below 150 percent of poverty line or 60 percent of median State income.

<sup>5</sup> Includes some householders who described themselves as Hispanic rather than White, Black, or other.

(\*) = Value rounds to zero in the units displayed.

-- = Not applicable.

NC = No cases in sample.

NF = No applicable RSE row factor.

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals. • See "Glossary" for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-457 A, B, C, D, and G of the 1993 Residential Energy Consumption Survey (for specific titles of forms, see Appendix E).

**Table 5.16. Electricity Consumption and Expenditures for Main Space Heating, per U.S. Household, 1993**

Characteristics	Households (million)	Consumption		Expenditures (dollars)	Heated Floorspace (square feet)	Annual Heating Degree-Days		Electricity Space-Heating Intensity		RSE Row Factors
		(million Btu)	(kWh)			1993	30-Year Average <sup>2</sup>	Consumption (kWh/HDD* 1000 square feet)	Expenditures (cents/HDD* 1000 square feet)	
RSE Column Factors:	1.6	1.1 <sup>1</sup>	1.1 <sup>1</sup>	1.0 <sup>1</sup>	0.7	1.0	1.0	0.8 <sup>1</sup>	0.9 <sup>1</sup>	
<b>Total U.S. Households</b> .....	<b>25.0</b>	<b>15.5</b>	<b>4,541</b>	<b>327</b>	<b>1,405</b>	<b>3,429</b>	<b>3,452</b>	<b>0.94</b>	<b>6.8</b>	<b>3.2</b>
<b>Census Region and Division</b>										
Northeast .....	1.9	19.5	5,715	538	1,426	6,043	6,044	.66	6.2	4.6
New England .....	.5	18.6	5,464	577	1,187	6,329	6,346	.73	7.7	6.8
Middle Atlantic .....	1.4	19.8	5,797	525	1,504	5,950	5,945	.65	5.9	6.0
Midwest .....	2.9	24.2	7,097	499	1,573	6,254	6,066	.72	5.1	7.3
East North Central .....	1.6	25.9	7,590	551	1,628	6,416	6,332	.73	5.3	8.1
West North Central .....	1.3	22.1	6,481	435	1,505	6,052	5,733	.71	4.8	12.1
South .....	14.6	13.7	4,028	292	1,457	2,442	2,434	1.13	8.2	4.1
South Atlantic .....	8.7	11.9	3,487	270	1,482	2,206	2,248	1.07	8.3	5.8
East South Central .....	2.5	19.5	5,714	339	1,478	3,545	3,449	1.09	6.5	6.3
West South Central .....	3.4	14.2	4,166	313	1,379	2,236	2,163	1.35	10.1	7.6
West .....	5.6	14.2	4,160	259	1,177	3,650	3,873	.97	6.0	6.2
Mountain .....	1.4	13.7	4,026	267	1,337	3,437	3,524	.88	5.8	12.5
Pacific .....	4.2	14.3	4,203	256	1,126	3,718	3,985	1.00	6.1	7.3
<b>Largest Populated States</b>										
California .....	2.2	6.3	1,853	192	1,118	1,932	2,305	.86	8.9	7.5
Florida .....	4.4	6.2	1,817	151	1,467	660	780	1.88	15.6	16.9
New York .....	Q	14.9	4,360	516	923	6,574	6,537	.72	8.5	20.5
Texas .....	2.4	13.2	3,874	296	1,395	2,029	1,968	1.37	10.5	9.4
<b>Urban Status</b>										
Urban .....	19.5	13.7	4,007	302	1,394	3,095	3,156	.93	7.0	3.9
Central City .....	7.4	11.0	3,224	245	1,129	2,886	2,945	.99	7.5	6.5
Suburban .....	12.1	15.3	4,486	336	1,555	3,223	3,286	.89	6.7	5.2
Rural .....	5.5	21.9	6,421	416	1,447	4,605	4,495	.96	6.2	4.5
<b>Climate Zone <sup>2</sup></b>										
Under 2,000 CDD and										
Over 7,000 HDD .....	.9	27.2	7,976	417	1,146	7,893	7,821	.88	4.6	6.7
5,500 to 7,000 HDD .....	4.0	23.2	6,799	491	1,440	6,217	6,132	.76	5.5	6.6
4,000 to 5,499 HDD .....	5.8	20.4	5,981	409	1,522	4,727	4,689	.83	5.7	4.6
Under 4,000 HDD .....	4.8	12.2	3,586	278	1,247	2,693	2,810	1.07	8.3	7.1
2,000 CDD or More and										
Under 4,000 HDD .....	9.5	9.7	2,856	224	1,424	1,398	1,467	1.43	11.2	6.7
<b>Type of Housing Unit</b>										
Single-Family .....	14.1	20.0	5,871	412	1,798	3,464	3,462	.94	6.6	3.6
Detached .....	11.9	20.8	6,092	424	1,873	3,429	3,423	.95	6.6	3.7
Attached .....	2.2	16.0	4,695	351	1,399	3,648	3,671	.92	6.9	9.6
Mobile Home .....	1.5	18.1	5,294	359	999	3,808	3,735	1.39	9.4	7.7
Multifamily .....	9.3	8.2	2,410	193	879	3,314	3,391	.83	6.6	5.5
2 to 4 Units .....	2.2	12.8	3,761	292	859	3,861	3,906	1.13	8.8	8.3
5 or More Units .....	7.2	6.8	1,996	162	885	3,146	3,232	.72	5.8	6.2
<b>Heated Floorspace (square feet)</b>										
Fewer than 1,000 .....	9.4	10.7	3,125	232	726	3,501	3,550	1.23	9.1	4.1
1,000 to 1,999 .....	10.8	16.3	4,770	340	1,404	3,280	3,294	1.04	7.4	3.7
2,000 to 2,999 .....	3.4	21.7	6,372	456	2,411	3,495	3,495	.76	5.4	3.8
3,000 or More .....	1.3	27.7	8,125	570	3,720	3,970	3,954	.55	3.9	6.8
<b>Total Number of Rooms (Excluding Bathrooms)</b>										
1 or 2 .....	1.1	6.4	1,875	159	499	3,487	3,603	1.08	9.2	16.4
3 to 5 .....	14.9	12.4	3,645	268	1,071	3,403	3,439	1.00	7.3	3.7
6 to 8 .....	8.2	21.4	6,266	443	1,980	3,483	3,471	.91	6.4	4.0
9 or More .....	.8	24.8	7,263	479	3,020	3,275	3,300	.73	4.8	10.7

See footnotes at end of table.

**Table 5.16. Electricity Consumption and Expenditures for Main Space Heating, per U.S. Household, 1993 (Continued)**

Characteristics	Households (million)	Consumption		Expenditures (dollars)	Heated Floorspace (square feet)	Annual Heating Degree-Days		Electricity Space-Heating Intensity		RSE Row Factors
		(million Btu)	(kWh)			1993	30-Year Average <sup>2</sup>	Consumption (kWh/HDD* 1000 square feet)	Expenditures (cents/HDD* 1000 square feet)	
RSE Column Factors:	1.6	1.1 <sup>1</sup>	1.1 <sup>1</sup>	1.0 <sup>1</sup>	0.7	1.0	1.0	0.8 <sup>1</sup>	0.9 <sup>1</sup>	
<b>Ownership of Unit</b>										
Owned .....	13.7	19.6	5,748	404	1,814	3,399	3,401	0.93	6.6	3.4
Rented .....	11.2	10.5	3,066	233	906	3,465	3,515	.98	7.4	4.4
Public Housing .....	1.5	9.4	2,748	219	762	3,989	4,014	.90	7.2	12.7
Not Public Housing .....	9.7	10.6	3,115	235	928	3,385	3,438	.99	7.5	5.1
Rent Subsidy .....	.7	10.3	3,021	244	785	4,541	4,553	.85	6.9	15.3
No Rent Subsidy .....	9.1	10.6	3,121	234	939	3,302	3,358	1.01	7.6	5.3
<b>Year of Construction</b>										
1939 or Before .....	1.3	22.0	6,444	432	1,231	4,623	4,619	1.13	7.6	8.4
1940 to 1949 .....	.7	23.7	6,948	384	1,291	4,454	4,521	1.21	6.7	11.2
1950 to 1959 .....	1.9	17.3	5,075	380	1,403	3,060	3,116	1.18	8.9	8.9
1960 to 1969 .....	3.4	15.8	4,639	347	1,336	3,285	3,322	1.06	7.9	7.3
1970 to 1979 .....	7.0	16.0	4,702	333	1,375	3,691	3,712	.93	6.6	5.6
1980 to 1984 .....	3.9	14.2	4,158	312	1,401	3,224	3,258	.92	6.9	5.6
1985 to 1987 .....	2.7	12.2	3,588	265	1,489	3,012	3,030	.80	5.9	8.8
1988 to 1990 .....	2.2	14.4	4,209	314	1,521	3,346	3,356	.83	6.2	6.4
1991 to 1993 <sup>3</sup> .....	1.9	12.4	3,620	260	1,565	3,012	2,992	.77	5.5	11.4
<b>Main Space-Heating Fuel Paid by Household</b>										
Yes .....	23.6	15.7	4,597	330	1,447	3,400	3,418	.93	6.7	3.3
No .....	1.4	12.3	3,613	284	720	3,905	4,019	1.28	10.1	12.8
<b>1993 Family Income</b>										
Less than \$5,000 .....	1.2	10.2	2,982	229	863	3,483	3,446	.99	7.6	9.3
\$5,000 to \$9,999 .....	3.1	13.6	3,973	303	873	3,877	3,885	1.17	9.0	6.9
\$10,000 to \$14,999 .....	2.8	12.2	3,582	262	1,011	3,341	3,415	1.06	7.8	7.4
\$15,000 to \$19,999 .....	2.4	13.9	4,083	280	1,179	3,275	3,330	1.06	7.3	7.9
\$20,000 to \$24,999 .....	2.3	16.5	4,845	329	1,260	3,520	3,508	1.09	7.4	7.5
\$25,000 to \$34,999 .....	3.9	15.7	4,610	335	1,449	3,344	3,381	.95	6.9	5.5
\$35,000 to \$49,999 .....	4.4	16.1	4,716	331	1,617	3,294	3,300	.89	6.2	4.8
\$50,000 to \$74,999 .....	3.1	18.3	5,358	382	1,950	3,463	3,478	.79	5.7	4.6
\$75,000 or More .....	1.8	21.1	6,186	462	2,189	3,294	3,336	.86	6.4	8.2
<b>Below Poverty Line</b>										
100 Percent .....	3.9	11.9	3,493	267	910	3,470	3,487	1.11	8.5	6.1
125 Percent .....	5.2	12.8	3,751	278	954	3,525	3,543	1.12	8.3	5.7
150 Percent .....	6.9	13.0	3,816	282	1,011	3,517	3,535	1.07	7.9	5.6
<b>Eligible for Federal Assistance <sup>4</sup></b>										
	<b>8.3</b>	<b>13.2</b>	<b>3,854</b>	<b>285</b>	<b>1,015</b>	<b>3,543</b>	<b>3,580</b>	<b>1.07</b>	<b>7.9</b>	<b>4.8</b>
<b>Age of Householder</b>										
Under 25 Years .....	2.3	10.1	2,957	223	919	3,403	3,388	.95	7.1	7.9
25 to 34 Years .....	5.7	13.5	3,969	289	1,208	3,481	3,510	.94	6.9	4.9
35 to 44 Years .....	5.4	16.2	4,747	339	1,541	3,455	3,476	.89	6.4	4.7
45 to 59 Years .....	5.2	18.0	5,289	375	1,694	3,417	3,415	.91	6.5	4.5
60 Years and Over .....	6.4	16.5	4,838	348	1,407	3,380	3,434	1.02	7.3	5.3
<b>Education of Householder</b>										
Less than 13 Years .....	12.3	15.9	4,666	333	1,257	3,575	3,581	1.04	7.4	3.5
13 to 16 Years .....	9.8	15.0	4,391	320	1,510	3,325	3,366	.87	6.4	4.5
17 Years or More .....	2.9	15.4	4,516	328	1,685	3,155	3,194	.85	6.2	7.3
<b>Race of Householder</b>										
White .....	20.9	16.3	4,764	338	1,484	3,516	3,527	.91	6.5	3.2
Black .....	2.6	12.1	3,545	278	1,039	3,068	3,099	1.11	8.7	7.4
Other <sup>5</sup> .....	1.5	10.6	3,114	263	935	2,817	2,999	1.18	10.0	10.4

See footnotes at end of table.

**Table 5.16. Electricity Consumption and Expenditures for Main Space Heating, per U.S. Household, 1993 (Continued)**

Characteristics	Households (million)	Consumption		Expenditures (dollars)	Heated Floorspace (square feet)	Annual Heating Degree-Days		Electricity Space-Heating Intensity		RSE Row Factors
		(million Btu)	(kWh)			1993	30-Year Average <sup>2</sup>	Consumption (kWh/HDD* 1000 square feet)	Expenditures (cents/HDD* 1000 square feet)	
RSE Column Factors:	1.6	1.1 <sup>1</sup>	1.1 <sup>1</sup>	1.0 <sup>1</sup>	0.7	1.0	1.0	0.8 <sup>1</sup>	0.9 <sup>1</sup>	
<b>Householder of Hispanic Descent</b>										
Yes .....	2.1	9.8	2,884	239	1,168	2,470	2,603	1.00	8.3	10.2
No .....	22.9	16.0	4,695	335	1,427	3,518	3,531	.93	6.7	3.2
<b>Household Size</b>										
1 Person .....	7.2	12.8	3,753	283	1,056	3,647	3,679	.97	7.3	4.8
2 Persons .....	8.6	16.5	4,838	343	1,481	3,389	3,420	.96	6.8	4.5
3 Persons .....	3.8	15.1	4,439	322	1,450	3,244	3,251	.94	6.8	5.8
4 Persons .....	3.1	17.4	5,111	357	1,702	3,371	3,371	.89	6.2	4.9
5 Persons .....	1.6	18.7	5,487	386	1,715	3,504	3,514	.91	6.4	6.9
6 or More Persons .....	.7	16.6	4,878	345	1,812	2,738	2,801	.98	6.9	11.6
<b>Main Heating Equipment Using Electricity</b>										
Central Warm-Air Furnace .....	9.2	13.4	3,923	280	1,341	2,772	2,798	1.06	7.5	5.6
Built-In Electric Units .....	6.9	17.8	5,223	373	1,177	4,813	4,825	.92	6.6	4.7
Heat Pump .....	7.5	16.6	4,863	352	1,774	3,016	3,033	.91	6.6	4.5
Other .....	1.3	11.8	3,447	270	951	3,126	3,228	1.16	9.1	9.3
<b>Age of Main Heating Equipment</b>										
Less than 5 Years .....	5.4	14.7	4,309	312	1,530	2,875	2,895	.98	7.1	5.5
5 to 9 Years .....	5.3	15.3	4,472	313	1,596	3,042	3,069	.92	6.4	6.1
10 to 19 Years .....	6.5	17.9	5,240	375	1,484	3,883	3,885	.91	6.5	4.6
20 Years or More .....	3.2	19.3	5,657	407	1,435	3,996	4,051	.99	7.1	7.8
Don't Know .....	4.7	10.7	3,141	238	917	3,479	3,509	.98	7.5	5.7
<b>Secondary Heating Fuel (more than one may apply)</b>										
No .....	15.9	12.8	3,741	279	1,157	3,292	3,339	.98	7.3	4.3
Yes .....	9.1	20.3	5,940	411	1,840	3,668	3,650	.88	6.1	3.7
Wood .....	6.0	22.3	6,524	445	2,056	3,823	3,799	.83	5.7	4.3
Electricity .....	2.8	18.7	5,495	374	1,646	3,278	3,265	1.02	6.9	6.5
Natural Gas .....	.6	16.3	4,770	367	1,753	2,861	2,837	.95	7.3	9.2
Kerosene .....	.6	22.7	6,657	456	1,673	4,667	4,560	.85	5.8	10.6
Other .....	.2	23.7	6,941	470	1,986	4,476	4,606	.78	5.3	18.7
<b>Average Electricity Expenditures for Main Space Heat (cents per kWh)</b>										
Less than 6 .....	4.6	25.2	7,378	377	1,454	5,063	5,031	1.00	5.1	5.8
6 to Less than 9 .....	14.3	15.1	4,426	330	1,487	3,123	3,099	.95	7.1	4.4
9 or More .....	6.1	9.1	2,664	281	1,178	2,909	3,084	.78	8.2	6.2

See footnotes at end of table.

**Table 5.16. Electricity Consumption and Expenditures for Main Space Heating, per U.S. Household, 1993 (Continued)**

Characteristics	Households (million)	Consumption		Expenditures (dollars)	Heated Floorspace (square feet)	Annual Heating Degree-Days		Electricity Space-Heating Intensity		RSE Row Factors
		(million Btu)	(kWh)			1993	30-Year Average <sup>2</sup>	Consumption (kWh/HDD* 1000 square feet)	Expenditures (cents/HDD* 1000 square feet)	
RSE Column Factors:	1.6	1.1 <sup>1</sup>	1.1 <sup>1</sup>	1.0 <sup>1</sup>	0.7	1.0	1.0	0.8 <sup>1</sup>	0.9 <sup>1</sup>	
<b>Adequacy of Insulation</b>										
Well Insulated .....	10.2	16.6	4,872	349	1,610	3,534	3,543	0.86	6.1	3.9
Adequately Insulated .....	9.8	14.6	4,265	307	1,351	3,263	3,294	.97	7.0	3.8
Poorly Insulated .....	4.9	15.0	4,401	321	1,091	3,540	3,578	1.14	8.3	5.9

<sup>1</sup> This factor is underestimated because it contains no error for estimating this end use.

<sup>2</sup> The 30-year average and climate zones are based on annual degree-days that are averaged over 30 years from 1961 to 1990.

<sup>3</sup> Does not include all new construction for 1993.

<sup>4</sup> Below 150 percent of poverty line or 60 percent of median State income.

<sup>5</sup> Includes some householders who described themselves as Hispanic rather than White, Black, or other.

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals. • See "Glossary" for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-457 A, B, C, and E of the 1993 Residential Energy Consumption Survey (for specific titles of forms, see Appendix E).

**Table 5.17. Natural Gas Consumption and Expenditures for Main Space Heating, per U.S. Household, 1993**

Characteristics	Households (million)	Consumption		Expenditures (dollars)	Heated Floorspace (square feet)	Annual Heating Degree-Days		Natural Gas Space-Heating Intensity		RSE Row Factors
		(million Btu)	(1000 cubic feet)			1993	30-Year Average <sup>2</sup>	Consumption (cubic feet/HDD*1000 square feet)	Expenditures (cents/HDD*1000 square feet)	
RSE Column Factors:	1.7	1.0 <sup>1</sup>	1.0 <sup>1</sup>	1.0 <sup>1</sup>	0.8	0.8	0.8	1.0 <sup>1</sup>	1.1 <sup>1</sup>	
<b>Total U.S. Households</b> .....	<b>51.4</b>	<b>70.9</b>	<b>68.9</b>	<b>424</b>	<b>1,712</b>	<b>4,818</b>	<b>4,801</b>	<b>8.4</b>	<b>5.1</b>	<b>1.9</b>
<b>Census Region and Division</b>										
Northeast .....	9.4	81.6	79.4	613	1,735	5,790	5,833	7.9	6.1	3.0
New England .....	1.6	78.7	76.5	651	1,566	5,912	5,956	8.3	7.0	6.7
Middle Atlantic .....	7.9	82.2	80.0	606	1,769	5,766	5,808	7.8	5.9	3.4
Midwest .....	16.9	92.3	89.8	496	1,880	6,601	6,460	7.2	4.0	2.6
East North Central .....	12.9	93.1	90.5	504	1,879	6,519	6,438	7.4	4.1	2.8
West North Central .....	4.0	89.7	87.2	473	1,882	6,863	6,531	6.8	3.7	5.8
South .....	13.0	58.9	57.3	359	1,604	3,200	3,081	11.2	7.0	4.5
South Atlantic .....	4.7	60.4	58.7	426	1,627	3,554	3,488	10.2	7.4	6.9
East South Central .....	2.3	71.5	69.6	406	1,824	3,379	3,296	11.3	6.6	7.9
West South Central .....	6.1	53.0	51.5	289	1,504	2,858	2,685	12.0	6.7	7.4
West .....	12.1	45.4	44.2	243	1,576	3,310	3,529	8.5	4.7	4.1
Mountain .....	3.4	68.4	66.5	320	1,667	5,868	5,695	6.8	3.3	6.4
Pacific .....	8.7	36.4	35.4	214	1,540	2,313	2,685	9.9	6.0	4.0
<b>Largest Populated States</b>										
California .....	7.9	31.3	30.5	188	1,496	1,961	2,339	10.4	6.4	4.0
Florida .....	Q	29.6	28.8	230	1,627	1,227	1,263	14.4	Q	13.5
New York .....	3.6	80.7	78.5	647	1,718	5,900	5,893	7.7	6.4	5.3
Texas .....	3.6	50.0	48.6	274	1,539	2,724	2,549	11.6	6.5	11.8
<b>Urban Status</b>										
Urban .....	44.2	68.7	66.9	417	1,692	4,709	4,729	8.4	5.2	2.0
Central City .....	19.2	67.2	65.3	418	1,490	4,569	4,597	9.6	6.1	3.3
Suburban .....	25.0	70.0	68.1	416	1,848	4,816	4,830	7.6	4.7	2.5
Rural .....	7.2	83.8	81.5	463	1,833	5,489	5,244	8.1	4.6	6.0
<b>Climate Zone <sup>2</sup></b>										
Under 2,000 CDD and										
Over 7,000 HDD .....	4.4	92.7	90.2	501	1,991	8,206	7,971	5.5	3.1	5.2
5,500 to 7,000 HDD .....	17.6	89.8	87.3	520	1,819	6,463	6,378	7.4	4.4	2.5
4,000 to 5,499 HDD .....	10.3	79.0	76.9	521	1,786	4,994	4,957	8.6	5.8	3.8
Under 4,000 HDD .....	10.2	43.0	41.9	266	1,550	2,360	2,553	11.4	7.3	6.5
2,000 CDD or More and										
Under 4,000 HDD .....	9.0	45.5	44.3	266	1,467	2,547	2,552	11.9	7.1	5.5
<b>Type of Housing Unit</b>										
Single-Family .....	37.8	78.5	76.3	463	1,990	4,721	4,690	8.1	4.9	2.1
Detached .....	33.6	80.3	78.1	469	2,026	4,728	4,690	8.2	4.9	2.2
Attached .....	4.2	63.5	61.7	410	1,704	4,658	4,691	7.8	5.2	5.2
Mobile Home .....	1.8	55.1	53.6	309	972	5,137	5,030	10.7	6.2	6.6
Multifamily .....	11.8	49.1	47.7	317	939	5,082	5,120	10.0	6.6	3.5
2 to 4 Units .....	4.7	78.0	75.9	507	1,114	5,250	5,304	13.0	8.7	5.1
5 or More Units .....	7.1	29.7	28.9	190	821	4,970	4,997	7.1	4.6	3.8
<b>Heated Floorspace (square feet)</b>										
Fewer than 1000 .....	13.9	45.4	44.2	281	738	4,727	4,730	12.7	8.1	2.7
1,000 to 1,999 .....	21.8	65.2	63.5	392	1,443	4,434	4,433	9.9	6.1	2.5
2,000 to 2,999 .....	10.1	92.9	90.4	552	2,391	5,361	5,310	7.1	4.3	2.9
3,000 or More .....	5.6	116.3	113.2	672	3,966	5,565	5,496	5.1	3.0	3.7
<b>Total Number of Rooms (Excluding Bathrooms)</b>										
1 or 2 .....	1.5	23.0	22.4	159	518	4,644	4,645	9.3	6.6	7.2
3 to 5 .....	23.1	54.2	52.8	330	1,147	4,675	4,673	9.8	6.2	2.6
6 to 8 .....	23.2	83.3	81.0	493	2,099	4,905	4,877	7.9	4.8	2.2
9 or More .....	3.6	117.6	114.4	686	3,342	5,252	5,198	6.5	3.9	4.9

See footnotes at end of table.

**Table 5.17. Natural Gas Consumption and Expenditures for Main Space Heating, per U.S. Household, 1993 (Continued)**

Characteristics	Households (million)	Consumption		Expenditures (dollars)	Heated Floorspace (square feet)	Annual Heating Degree-Days		Natural Gas Space-Heating Intensity		RSE Row Factors
		(million Btu)	(1000 cubic feet)			1993	30-Year Average <sup>2</sup>	Consumption (cubic feet/HDD*1000 square feet)	Expenditures (cents/HDD*1000 square feet)	
RSE Column Factors:	1.7	1.0 <sup>1</sup>	1.0 <sup>1</sup>	1.0 <sup>1</sup>	0.8	0.8	0.8	1.0 <sup>1</sup>	1.1 <sup>1</sup>	
<b>Ownership of Unit</b>										
Owned .....	34.5	80.5	78.3	478	2,023	4,895	4,857	7.9	4.8	2.1
Rented .....	17.0	51.2	49.8	314	1,082	4,663	4,688	9.9	6.2	2.9
Public Housing .....	1.7	37.4	36.4	233	851	4,749	4,771	9.0	5.8	7.9
Not Public Housing .....	15.2	52.8	51.4	323	1,109	4,653	4,678	10.0	6.3	3.1
Rent Subsidy .....	1.0	54.5	53.0	347	1,087	4,961	4,968	9.8	6.4	8.8
No Rent Subsidy .....	14.2	52.7	51.3	321	1,110	4,631	4,658	10.0	6.2	3.2
<b>Year of Construction</b>										
1939 or Before .....	12.6	90.9	88.4	549	1,707	5,459	5,410	9.5	5.9	3.4
1940 to 1949 .....	4.3	71.4	69.5	432	1,534	4,615	4,642	9.8	6.1	4.8
1950 to 1959 .....	8.2	70.4	68.5	433	1,639	4,267	4,299	9.8	6.2	3.9
1960 to 1969 .....	9.0	69.1	67.2	410	1,660	4,839	4,831	8.4	5.1	3.8
1970 to 1979 .....	7.7	59.1	57.5	333	1,660	4,722	4,660	7.3	4.2	4.0
1980 to 1984 .....	3.5	48.0	46.7	287	1,640	4,218	4,231	6.8	4.1	6.0
1985 to 1987 .....	2.2	57.1	55.5	345	1,912	4,477	4,496	6.5	4.0	6.4
1988 to 1990 .....	1.8	64.1	62.4	374	2,273	5,302	5,258	5.2	3.1	6.6
1991 to 1993 <sup>3</sup> .....	2.1	60.0	58.3	361	2,243	4,753	4,705	5.5	3.4	8.6
<b>Main Space-Heating Fuel Paid by Household</b>										
Yes .....	44.0	74.3	72.3	443	1,849	4,743	4,720	8.2	5.1	2.0
No .....	7.5	50.8	49.4	310	908	5,263	5,281	10.3	6.5	4.7
<b>1993 Family Income</b>										
Less than \$5,000 .....	2.0	57.2	55.6	353	1,051	4,525	4,536	11.7	7.4	5.9
\$5,000 to \$9,999 .....	5.2	62.3	60.6	375	1,165	4,697	4,651	11.1	6.9	3.8
\$10,000 to \$14,999 .....	6.1	66.3	64.5	396	1,299	4,874	4,867	10.2	6.3	4.3
\$15,000 to \$19,999 .....	5.3	72.5	70.5	423	1,483	4,936	4,901	9.6	5.8	4.4
\$20,000 to \$24,999 .....	4.5	67.8	66.0	406	1,477	5,135	5,093	8.7	5.4	4.4
\$25,000 to \$34,999 .....	7.0	70.7	68.8	419	1,675	4,956	4,912	8.3	5.0	4.0
\$35,000 to \$49,999 .....	9.2	70.8	68.9	425	1,935	4,742	4,726	7.5	4.6	2.9
\$50,000 to \$74,999 .....	7.1	74.7	72.6	440	2,057	4,824	4,812	7.3	4.4	3.6
\$75,000 or More .....	5.1	86.7	84.3	534	2,654	4,531	4,588	7.0	4.4	4.6
<b>Below Poverty Line</b>										
100 Percent .....	7.3	59.9	58.3	364	1,185	4,451	4,445	11.1	6.9	3.9
125 Percent .....	9.7	62.0	60.3	376	1,230	4,614	4,598	10.6	6.6	3.7
150 Percent .....	12.4	63.0	61.3	380	1,238	4,639	4,619	10.7	6.6	3.1
<b>Eligible for Federal Assistance <sup>4</sup></b>										
.....	<b>15.7</b>	<b>66.5</b>	<b>64.7</b>	<b>401</b>	<b>1,283</b>	<b>4,793</b>	<b>4,783</b>	<b>10.5</b>	<b>6.5</b>	<b>2.9</b>
<b>Age of Householder</b>										
Under 25 Years .....	2.6	57.8	56.2	336	1,176	4,914	4,898	9.7	5.8	6.6
25 to 34 Years .....	10.9	62.2	60.6	371	1,521	4,922	4,893	8.1	5.0	3.1
35 to 44 Years .....	11.4	65.7	63.9	398	1,828	4,704	4,690	7.4	4.6	3.3
45 to 59 Years .....	11.5	73.8	71.8	438	1,937	4,747	4,744	7.8	4.8	3.0
60 Years and Over .....	15.0	81.0	78.8	486	1,683	4,869	4,847	9.6	5.9	2.6
<b>Education of Householder</b>										
Less than 13 Years .....	26.7	69.7	67.8	415	1,502	4,894	4,863	9.2	5.6	2.3
13 to 16 Years .....	17.7	71.5	69.6	426	1,878	4,752	4,742	7.8	4.8	2.7
17 Years or More .....	7.0	73.6	71.6	452	2,098	4,697	4,715	7.3	4.6	3.9
<b>Race of Householder</b>										
White .....	41.7	72.3	70.4	429	1,795	4,982	4,949	7.9	4.8	2.1
Black .....	6.7	74.4	72.3	462	1,370	4,330	4,341	12.2	7.8	4.4
Other <sup>5</sup> .....	3.0	42.9	41.8	270	1,337	3,658	3,788	8.5	5.5	6.2

See footnotes at end of table.

**Table 5.17. Natural Gas Consumption and Expenditures for Main Space Heating, per U.S. Household, 1993 (Continued)**

Characteristics	Households (million)	Consumption		Expenditures (dollars)	Heated Floorspace (square feet)	Annual Heating Degree-Days		Natural Gas Space-Heating Intensity		RSE Row Factors
		(million Btu)	(1000 cubic feet)			1993	30-Year Average <sup>2</sup>	Consumption (cubic feet/HDD*1000 square feet)	Expenditures (cents/HDD*1000 square feet)	
RSE Column Factors:	1.7	1.0 <sup>1</sup>	1.0 <sup>1</sup>	1.0 <sup>1</sup>	0.8	0.8	0.8	1.0 <sup>1</sup>	1.1 <sup>1</sup>	
<b>Householder of Hispanic Descent</b>										
Yes .....	4.1	47.4	46.1	293	1,339	3,859	3,966	8.9	5.7	5.3
No .....	47.4	72.9	70.9	435	1,744	4,901	4,873	8.3	5.1	2.0
<b>Household Size</b>										
1 Person .....	12.2	63.7	62.0	381	1,229	5,057	5,010	10.0	6.1	3.1
2 Persons .....	16.4	71.5	69.6	424	1,767	4,809	4,794	8.2	5.0	2.6
3 Persons .....	9.1	72.0	70.0	443	1,803	4,685	4,690	8.3	5.2	3.2
4 Persons .....	8.3	77.1	75.0	458	2,019	4,845	4,822	7.7	4.7	3.4
5 Persons .....	3.5	70.7	68.8	417	2,093	4,496	4,497	7.3	4.4	4.7
6 or More Persons .....	1.8	78.7	76.6	469	1,859	4,476	4,510	9.2	5.6	7.8
<b>Main Heating Equipment Using Natural Gas</b>										
Central Warm-Air Furnace .....	35.4	72.8	70.8	425	1,882	4,915	4,880	7.7	4.6	2.1
Steam or Hot-Water System .....	8.7	87.4	85.1	556	1,540	5,938	5,926	9.3	6.1	4.0
Floor, Wall, or Pipeless Furnace .....	4.3	36.8	35.8	227	1,093	2,750	2,888	11.9	7.5	5.5
Room Heater/Other .....	3.0	49.0	47.6	300	1,093	3,397	3,355	12.8	8.1	6.5
<b>Age of Main Heating Equipment</b>										
Less than 5 Years .....	9.7	70.4	68.5	425	1,987	4,954	4,907	7.0	4.3	3.2
5 to 9 Years .....	8.7	74.9	72.9	449	1,931	4,869	4,834	7.8	4.8	3.6
10 to 19 Years .....	11.1	75.1	73.1	443	1,807	4,854	4,822	8.3	5.1	2.9
20 Years or More .....	13.6	76.6	74.5	455	1,686	4,679	4,699	9.4	5.8	3.1
Don't Know .....	8.4	52.3	50.8	319	1,083	4,788	4,781	9.8	6.2	3.8
<b>Secondary Heating Fuel (more than one may apply)</b>										
No .....	18.0	75.8	73.7	441	2,111	4,596	4,584	7.6	4.5	2.5
Yes .....	33.4	68.2	66.3	414	1,497	4,939	4,918	9.0	5.6	2.4
Wood .....	9.7	78.2	76.1	452	2,381	4,627	4,635	6.9	4.1	3.4
Electricity .....	7.6	73.9	71.9	437	1,874	4,576	4,565	8.4	5.1	3.8
Kerosene .....	.9	92.4	89.9	527	2,001	5,449	5,356	8.2	4.8	9.4
Other .....	3.2	71.0	69.0	400	2,011	4,204	4,160	8.2	4.7	6.7
<b>Average Natural Gas Expenditures for Main Space Heat (dollars per 1000 cf)</b>										
Less than 4.50 .....	2.4	100.1	97.3	396	2,014	6,773	6,486	7.1	2.9	11.1
4.50 to Less than 6 .....	21.1	78.5	76.4	404	1,751	5,100	5,043	8.6	4.5	3.3
6 or More .....	27.9	62.5	60.8	441	1,657	4,434	4,471	8.3	6.0	3.3

See footnotes at end of table.

**Table 5.17. Natural Gas Consumption and Expenditures for Main Space Heating, per U.S. Household, 1993 (Continued)**

Characteristics	Households (million)	Consumption		Expenditures (dollars)	Heated Floorspace (square feet)	Annual Heating Degree-Days		Natural Gas Space-Heating Intensity		RSE Row Factors
		(million Btu)	(1000 cubic feet)			1993	30-Year Average <sup>2</sup>	Consumption (cubic feet/HDD*1000 square feet)	Expenditures (cents/HDD*1000 square feet)	
RSE Column Factors:	1.7	1.0 <sup>1</sup>	1.0 <sup>1</sup>	1.0 <sup>1</sup>	0.8	0.8	0.8	1.0 <sup>1</sup>	1.1 <sup>1</sup>	
<b>Adequacy of Insulation</b>										
Well Insulated .....	18.2	72.3	70.3	431	1,933	4,945	4,905	7.4	4.5	2.7
Adequately Insulated .....	21.3	69.1	67.2	416	1,678	4,827	4,814	8.3	5.1	2.4
Poorly Insulated .....	11.9	71.8	69.9	426	1,436	4,611	4,620	10.5	6.4	3.3

<sup>1</sup> This factor is underestimated because it contains no error for estimating this end use.

<sup>2</sup> The 30-year average and climate zones are based on annual degree-days that are averaged over 30 years from 1961 to 1990.

<sup>3</sup> Does not include all new construction for 1993.

<sup>4</sup> Below 150 percent of poverty line or 60 percent of median State income.

<sup>5</sup> Includes some householders who described themselves as Hispanic rather than White, Black, or other.

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals. • See "Glossary" for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-457 A, B, C, and F of the 1993 Residential Energy Consumption Survey (for specific titles of forms, see Appendix E).

**Table 5.18. Fuel Oil Consumption and Expenditures for Main Space Heating, per U.S. Household, 1993**

Characteristics	Households (million)	Consumption		Expenditures (dollars)	Heated Floorspace (square feet)	Annual Heating Degree-Days		Fuel Oil Space-Heating Intensity		RSE Row Factors
		(million Btu)	(gallons)			1993	30-Year Average <sup>2</sup>	Consumption (gallons/HDD*1000 square feet)	Expenditures (cents/HDD*1000 square feet)	
RSE Column Factors:	2.0	1.2 <sup>1</sup>	1.2 <sup>1</sup>	1.2 <sup>1</sup>	0.9	0.5	0.5	1.0 <sup>1</sup>	1.1 <sup>1</sup>	
<b>Total U.S. Households</b> .....	<b>10.2</b>	<b>86.6</b>	<b>625</b>	<b>564</b>	<b>1,911</b>	<b>5,877</b>	<b>5,858</b>	<b>0.056</b>	<b>5.0</b>	<b>3.5</b>
<b>Census Region and Division</b>										
Northeast .....	7.0	89.3	644	578	1,860	5,984	5,997	.058	5.2	4.4
New England .....	2.6	97.1	701	634	1,966	6,630	6,654	.054	4.9	7.4
Middle Atlantic .....	4.5	84.8	611	546	1,799	5,615	5,622	.061	5.4	5.0
Midwest .....	1.3	94.6	685	588	2,234	7,743	7,521	.040	3.4	4.4
East North Central .....	.7	100.2	725	628	2,240	7,348	7,203	.044	3.8	8.7
West North Central .....	.6	88.6	643	545	2,228	8,162	7,858	.035	3.0	5.4
South .....	1.5	70.2	507	485	1,835	3,830	3,818	.072	6.9	6.7
South Atlantic .....	1.4	70.5	509	488	1,884	3,801	3,788	.071	6.8	7.0
East South Central .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
West South Central .....	NC	NC	NC	NC	NC	NC	NC	NC	NC	NF
West .....	.4	74.4	537	543	2,028	5,395	5,437	.049	5.0	16.5
Mountain .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Pacific .....	Q	72.9	526	538	2,057	5,176	5,307	.049	5.1	19.6
<b>Largest Populated States</b>										
California .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Florida .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
New York .....	2.5	80.3	579	517	1,559	5,561	5,549	.067	6.0	7.7
Texas .....	NC	NC	NC	NC	NC	NC	NC	NC	NC	NF
<b>Urban Status</b>										
Urban .....	7.7	84.3	608	553	1,850	5,526	5,553	.059	5.4	4.4
Central City .....	2.6	61.1	441	374	1,388	5,148	5,208	.062	5.2	5.7
Suburban .....	5.1	96.0	692	643	2,083	5,717	5,727	.058	5.4	5.0
Rural .....	2.4	94.0	680	602	2,105	6,991	6,827	.046	4.1	3.7
<b>Climate Zone <sup>2</sup></b>										
Under 2,000 CDD and Over 7,000 HDD .....	1.9	98.2	709	618	2,127	8,089	7,935	.041	3.6	3.9
5,500 to 7,000 HDD .....	3.3	98.2	709	641	2,121	6,343	6,327	.053	4.8	6.2
4,000 to 5,499 HDD .....	4.5	77.6	559	512	1,698	5,030	5,064	.065	6.0	4.9
Under 4,000 HDD .....	.4	69.6	502	454	1,565	3,633	3,578	.088	8.0	11.8
2,000 CDD or More and Under 4,000 HDD .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
<b>Type of Housing Unit</b>										
Single-Family .....	7.6	98.0	707	650	2,206	6,021	5,984	.053	4.9	3.6
Detached .....	7.0	99.8	720	662	2,233	6,056	6,010	.053	4.9	3.7
Attached .....	.6	76.9	555	507	1,887	5,597	5,673	.052	4.8	11.1
Mobile Home .....	.3	57.9	421	396	765	6,049	6,005	.091	8.6	14.1
Multifamily .....	2.3	53.0	382	305	1,084	5,385	5,426	.065	5.2	5.5
2 to 4 Units .....	.9	85.1	614	558	1,436	5,952	5,951	.072	6.5	6.3
5 or More Units .....	1.5	34.0	245	156	875	5,049	5,115	.055	3.5	4.1
<b>Heated Floorspace (square feet)</b>										
Fewer than 1000 .....	2.2	47.5	343	282	722	5,379	5,399	.088	7.3	5.1
1,000 to 1,999 .....	3.7	80.7	582	532	1,462	5,782	5,763	.069	6.3	3.9
2,000 to 2,999 .....	2.8	105.8	763	697	2,431	6,204	6,169	.051	4.6	4.7
3,000 or More .....	1.5	123.3	889	814	3,804	6,239	6,192	.037	3.4	5.5
<b>Total Number of Rooms (Excluding Bathrooms)</b>										
1 or 2 .....	.4	30.4	219	181	577	5,018	5,090	.076	6.2	10.5
3 to 5 .....	4.1	67.4	487	422	1,314	5,827	5,821	.064	5.5	4.5
6 to 8 .....	4.9	97.6	705	648	2,260	5,952	5,922	.052	4.8	3.5
9 or More .....	.9	137.6	993	917	3,282	6,038	5,986	.050	4.6	7.5

See footnotes at end of table.

**Table 5.18. Fuel Oil Consumption and Expenditures for Main Space Heating, per U.S. Household, 1993 (Continued)**

Characteristics	Households (million)	Consumption		Expenditures (dollars)	Heated Floorspace (square feet)	Annual Heating Degree-Days		Fuel Oil Space-Heating Intensity		RSE Row Factors
		(million Btu)	(gallons)			1993	30-Year Average <sup>2</sup>	Consumption (gallons/HDD*1000 square feet)	Expenditures (cents/HDD*1000 square feet)	
RSE Column Factors:	2.0	1.2 <sup>1</sup>	1.2 <sup>1</sup>	1.2 <sup>1</sup>	0.9	0.5	0.5	1.0 <sup>1</sup>	1.1 <sup>1</sup>	
<b>Ownership of Unit</b>										
Owned .....	7.3	98.4	710	653	2,179	6,044	6,009	0.054	5.0	3.6
Rented .....	2.9	56.9	411	340	1,235	5,456	5,477	.061	5.0	4.8
Public Housing .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Not Public Housing .....	2.8	57.5	415	346	1,230	5,484	5,502	.062	5.1	4.9
Rent Subsidy .....	.2	54.5	393	311	909	5,023	5,088	.086	6.8	8.0
No Rent Subsidy .....	2.6	57.8	417	349	1,258	5,525	5,539	.060	5.0	5.3
<b>Year of Construction</b>										
1939 or Before .....	4.1	94.5	682	607	1,850	6,181	6,126	.060	5.3	4.1
1940 to 1949 .....	1.2	77.8	561	495	1,647	5,539	5,529	.062	5.4	7.8
1950 to 1959 .....	1.8	91.2	659	623	2,020	5,588	5,619	.058	5.5	8.1
1960 to 1969 .....	1.2	73.7	532	484	1,879	5,203	5,246	.054	5.0	10.5
1970 to 1979 .....	1.2	82.7	596	532	2,044	5,995	5,972	.049	4.3	7.6
1980 to 1984 .....	.3	62.4	450	411	1,883	5,975	5,959	.040	3.7	7.7
1985 to 1987 .....	.2	82.1	592	535	2,661	6,016	5,984	.037	3.3	17.8
1988 to 1990 .....	.2	78.3	565	510	1,961	6,923	6,818	.042	3.8	11.5
1991 to 1993 <sup>3</sup> .....	.1	78.3	565	518	2,772	6,434	6,391	.032	2.9	11.2
<b>Fuel Oil Paid by Household</b>										
Yes .....	8.2	96.5	696	640	2,132	6,024	5,989	.054	5.0	3.5
No .....	2.0	45.8	330	249	991	5,267	5,313	.063	4.8	5.9
<b>1993 Family Income</b>										
Less than \$5,000 .....	.4	63.4	458	395	1,384	5,649	5,630	.059	5.1	14.0
\$5,000 to \$9,999 .....	.9	74.0	534	472	1,364	5,723	5,712	.068	6.0	6.7
\$10,000 to \$14,999 .....	.9	87.9	636	559	1,587	6,026	5,969	.066	5.8	8.3
\$15,000 to \$19,999 .....	.9	89.7	648	572	1,531	5,933	5,909	.071	6.3	7.6
\$20,000 to \$24,999 .....	.9	81.9	591	515	1,744	6,052	6,026	.056	4.9	7.4
\$25,000 to \$34,999 .....	1.6	86.1	621	564	2,027	5,888	5,875	.052	4.7	8.2
\$35,000 to \$49,999 .....	2.2	79.6	574	518	2,003	5,995	5,965	.048	4.3	4.9
\$50,000 to \$74,999 .....	1.5	96.3	695	641	2,214	5,872	5,843	.053	4.9	4.4
\$75,000 or More .....	.9	112.9	814	771	2,625	5,443	5,499	.057	5.4	8.3
<b>Below Poverty Line</b>										
100 Percent .....	1.2	65.6	473	406	1,393	5,605	5,586	.061	5.2	7.0
125 Percent .....	1.7	67.7	489	419	1,397	5,714	5,704	.061	5.2	6.3
150 Percent .....	2.2	70.6	510	443	1,428	5,721	5,698	.062	5.4	5.5
<b>Eligible for Federal Assistance <sup>4</sup></b>										
.....	<b>2.8</b>	<b>77.7</b>	<b>561</b>	<b>491</b>	<b>1,480</b>	<b>5,846</b>	<b>5,814</b>	<b>.065</b>	<b>5.7</b>	<b>4.9</b>
<b>Age of Householder</b>										
Under 25 Years .....	.4	49.0	354	313	1,289	5,234	5,224	.052	4.6	17.3
25 to 34 Years .....	1.5	76.0	549	475	1,607	6,135	6,079	.056	4.8	5.3
35 to 44 Years .....	2.3	75.4	544	497	1,949	5,960	5,953	.047	4.3	4.7
45 to 59 Years .....	2.5	89.4	645	587	1,951	5,792	5,777	.057	5.2	4.3
60 Years and Over .....	3.5	100.5	726	658	2,055	5,839	5,825	.060	5.5	5.1
<b>Education of Householder</b>										
Less than 13 Years .....	5.7	79.8	576	510	1,716	5,882	5,860	.057	5.1	3.9
13 to 16 Years .....	3.4	91.8	663	607	2,089	5,926	5,909	.054	4.9	4.8
17 Years or More .....	1.1	105.4	760	710	2,355	5,698	5,692	.057	5.3	8.3
<b>Race of Householder</b>										
White .....	9.0	89.7	648	586	1,993	6,019	5,989	.054	4.9	3.6
Black .....	.8	70.4	507	459	1,380	4,803	4,879	.077	6.9	6.4
Other <sup>5</sup> .....	.4	49.0	354	287	1,132	4,859	4,902	.064	5.2	10.5

See footnotes at end of table.

**Table 5.18. Fuel Oil Consumption and Expenditures for Main Space Heating, per U.S. Household, 1993 (Continued)**

Characteristics	Households (million)	Consumption		Expenditures (dollars)	Heated Floorspace (square feet)	Annual Heating Degree-Days		Fuel Oil Space-Heating Intensity		RSE Row Factors
		(million Btu)	(gallons)			1993	30-Year Average <sup>2</sup>	Consumption (gallons/HDD*1000 square feet)	Expenditures (cents/HDD*1000 square feet)	
RSE Column Factors:	2.0	1.2 <sup>1</sup>	1.2 <sup>1</sup>	1.2 <sup>1</sup>	0.9	0.5	0.5	1.0 <sup>1</sup>	1.1 <sup>1</sup>	
<b>Householder of Hispanic Descent</b>										
Yes .....	0.9	59.3	428	349	1,323	5,182	5,235	0.062	5.1	7.0
No .....	9.3	89.3	644	585	1,968	5,944	5,918	.055	5.0	3.5
<b>Household Size</b>										
1 Person .....	2.3	79.3	573	522	1,449	5,835	5,834	.068	6.2	5.8
2 Persons .....	3.3	89.9	649	580	2,003	5,848	5,826	.055	5.0	5.1
3 Persons .....	1.9	91.2	658	599	2,078	5,988	5,972	.053	4.8	4.7
4 Persons .....	1.6	86.6	625	570	2,020	5,757	5,715	.054	4.9	5.2
5 Persons .....	.7	84.0	606	538	2,015	6,111	6,107	.049	4.4	9.2
6 or More Persons .....	.4	84.1	607	537	2,307	5,891	5,846	.045	4.0	9.3
<b>Main Heating Equipment Using Fuel Oil</b>										
Central Warm-Air Furnace .....	4.5	83.2	600	550	2,025	6,051	5,999	.049	4.5	4.4
Steam or Hot-Water System .....	5.3	91.0	657	585	1,865	5,760	5,770	.061	5.4	4.1
Other .....	.4	64.9	471	437	1,185	5,446	5,417	.073	6.8	12.6
<b>Age of Main Heating Equipment</b>										
Less than 5 Years .....	1.8	97.6	704	648	2,186	6,135	6,100	.053	4.8	6.0
5 to 9 Years .....	1.3	91.0	657	595	1,952	6,044	5,994	.056	5.0	5.2
10 to 19 Years .....	2.1	88.9	641	587	2,187	6,128	6,100	.048	4.4	4.9
20 Years or More .....	3.4	94.4	681	621	1,926	5,739	5,724	.062	5.6	4.2
Don't Know .....	1.6	51.7	373	300	1,182	5,427	5,454	.058	4.7	6.9
<b>Secondary Heating Fuel (more than one may apply)</b>										
No .....	3.8	94.5	682	630	2,298	5,866	5,824	.051	4.7	4.5
Yes .....	6.3	81.8	591	525	1,677	5,883	5,878	.060	5.3	3.7
Wood .....	2.3	100.8	727	686	2,606	5,853	5,841	.048	4.5	5.7
Electricity .....	1.5	86.9	627	579	2,156	5,709	5,669	.051	4.7	5.5
Kerosene .....	.5	80.0	578	519	1,895	5,579	5,472	.055	4.9	10.0
Other .....	.2	95.3	687	636	2,165	5,788	5,653	.055	5.1	13.5
<b>Average Fuel Oil Expenditures for Main Space Heat (dollars per gallon)</b>										
Less than .95 .....	7.9	82.2	593	506	1,830	5,998	5,964	.054	4.6	4.3
1.10 or More .....	.4	98.3	709	835	2,039	4,837	4,884	.072	8.5	7.7

See footnotes at end of table.

**Table 5.18. Fuel Oil Consumption and Expenditures for Main Space Heating, per U.S. Household, 1993 (Continued)**

Characteristics	Households (million)	Consumption		Expenditures (dollars)	Heated Floorspace (square feet)	Annual Heating Degree-Days		Fuel Oil Space-Heating Intensity		RSE Row Factors
		(million Btu)	(gallons)			1993	30-Year Average <sup>2</sup>	Consumption (gallons/HDD*1000 square feet)	Expenditures (cents/HDD*1000 square feet)	
RSE Column Factors:	2.0	1.2 <sup>1</sup>	1.2 <sup>1</sup>	1.2 <sup>1</sup>	0.9	0.5	0.5	1.0 <sup>1</sup>	1.1 <sup>1</sup>	
<b>Adequacy of Insulation</b>										
Well Insulated .....	4.0	88.6	639	577	2,143	6,055	6,028	0.049	4.4	4.3
Adequately Insulated .....	4.1	86.5	624	567	1,821	5,819	5,810	.059	5.3	4.4
Poorly Insulated .....	2.2	83.2	600	537	1,655	5,659	5,637	.064	5.7	5.1

<sup>1</sup> This factor is underestimated because it contains no error for estimating this end use.

<sup>2</sup> The 30-year average and climate zones are based on annual degree-days that are averaged over 30 years from 1961 to 1990.

<sup>3</sup> Does not include all new construction for 1993.

<sup>4</sup> Below 150 percent of poverty line or 60 percent of median State income.

<sup>5</sup> Includes some householders who described themselves as Hispanic rather than White, Black, or other.

NC = No cases in sample.

NF = No applicable RSE row factor.

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals. • See "Glossary" for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-457 A, B, C, and G of the 1993 Residential Energy Consumption Survey (for specific titles of forms, see Appendix E).

**Table 5.19. Liquefied Petroleum Gas Consumption and Expenditures for Main Space Heating, per U.S. Household, 1993**

Characteristics	Households (million)	Consumption		Expenditures (dollars)	Heated Floorspace (square feet)	Annual Heating Degree-Days		Liquefied Petroleum Gas Space-Heating Intensity		RSE Row Factors
		(million Btu)	(gallons)			1993	30-Year Average <sup>2</sup>	Consumption (gallons/HDD*1000 square feet)	Expenditures (cents/HDD*1000 square feet)	
RSE Column Factors:	1.9	1.0 <sup>1</sup>	1.0 <sup>1</sup>	0.9 <sup>1</sup>	0.8	0.8	0.8	1.0 <sup>1</sup>	1.1 <sup>1</sup>	
<b>Total U.S. Households</b> .....	<b>4.6</b>	<b>60.0</b>	<b>657</b>	<b>560</b>	<b>1,641</b>	<b>4,848</b>	<b>4,664</b>	<b>0.083</b>	<b>7.0</b>	<b>5.3</b>
<b>Census Region and Division</b>										
Northeast .....	.2	52.9	579	608	1,389	6,951	6,960	.060	6.3	13.4
New England .....	.1	52.9	580	592	1,174	6,865	6,928	.072	7.3	18.9
Middle Atlantic .....	.1	52.8	579	629	1,673	7,065	7,003	Q	Q	16.0
Midwest .....	1.8	86.5	947	726	2,098	6,929	6,642	.065	5.0	5.8
East North Central .....	.9	95.9	1,051	817	2,155	6,761	6,512	.072	5.6	7.9
West North Central .....	.9	76.4	836	628	2,037	7,109	6,781	.058	4.3	8.5
South .....	2.3	39.0	427	408	1,326	2,870	2,751	.112	10.7	7.4
South Atlantic .....	1.1	40.9	448	461	1,379	2,739	2,722	.119	12.2	11.0
East South Central .....	.7	40.7	446	410	1,275	3,411	3,142	.102	9.4	10.6
West South Central .....	.5	32.1	351	286	1,276	2,393	2,257	.115	9.4	20.9
West .....	.4	65.9	721	669	1,532	5,817	5,613	.081	7.5	14.2
Mountain .....	.3	72.9	799	673	1,463	6,046	5,742	.090	7.6	18.3
Pacific .....	.1	44.6	489	657	1,739	5,129	5,223	.055	7.4	27.7
<b>Largest Populated States</b>										
California .....	.1	23.8	261	331	1,493	4,400	4,469	.040	5.0	15.2
Florida .....	.3	17.1	188	248	1,067	937	1,027	.188	Q	25.8
New York .....	Q	58.8	643	638	2,165	7,720	7,545	Q	Q	16.1
Texas .....	.4	27.7	304	249	1,277	2,194	2,064	.108	8.9	28.3
<b>Urban Status</b>										
Urban .....	1.6	51.6	565	512	1,711	4,420	4,282	.075	6.8	9.8
Central City .....	.2	43.1	472	470	1,150	3,741	3,702	.110	10.9	23.3
Suburban .....	1.4	53.0	580	519	1,800	4,528	4,374	.071	6.4	10.1
Rural .....	3.0	64.3	704	585	1,605	5,070	4,862	.087	7.2	5.9
<b>Climate Zone <sup>2</sup></b>										
Under 2,000 CDD and										
Over 7,000 HDD .....	.7	77.5	849	691	2,199	8,196	7,812	.047	3.8	8.2
5,500 to 7,000 HDD .....	1.1	85.9	941	743	1,906	6,883	6,688	.072	5.7	11.8
4,000 to 5,499 HDD .....	.7	78.1	855	709	1,894	5,322	5,025	.085	7.0	14.0
Under 4,000 HDD .....	.9	46.1	505	485	1,274	3,378	3,195	.117	11.3	10.0
2,000 CDD or More and										
Under 4,000 HDD .....	1.3	31.0	339	325	1,278	2,319	2,301	.115	11.0	12.2
<b>Type of Housing Unit</b>										
Single-Family .....	3.3	66.4	727	609	1,929	4,907	4,721	.077	6.4	6.2
Detached .....	3.3	66.6	729	610	1,935	4,869	4,680	.077	6.5	6.3
Attached .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Mobile Home .....	1.2	43.8	479	436	886	4,659	4,459	.116	10.6	6.9
Multifamily .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
2 to 4 Units .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
5 or More Units .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
<b>Heated Floorspace (square feet)</b>										
Fewer than 1000 .....	1.5	42.4	464	431	766	4,338	4,186	.140	13.0	7.0
1,000 to 1,999 .....	1.8	54.5	597	518	1,392	4,426	4,250	.097	8.4	7.2
2,000 to 2,999 .....	.8	76.4	837	712	2,484	5,595	5,360	.060	5.1	8.8
3,000 or More .....	.5	103.5	1,133	838	3,693	6,627	6,397	.046	3.4	8.4
<b>Total Number of Rooms (Excluding Bathrooms)</b>										
1 or 2 .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
3 to 5 .....	2.4	47.0	515	454	1,107	4,612	4,420	.101	8.9	7.2
6 to 8 .....	1.9	73.3	803	670	2,137	5,034	4,858	.075	6.2	7.4
9 or More .....	.2	90.5	991	791	3,210	5,808	5,621	.053	4.2	13.0

See footnotes at end of table.

**Table 5.19. Liquefied Petroleum Gas Consumption and Expenditures for Main Space Heating, per U.S. Household, 1993 (Continued)**

Characteristics	Households (million)	Consumption		Expenditures (dollars)	Heated Floorspace (square feet)	Annual Heating Degree-Days		Liquefied Petroleum Gas Space-Heating Intensity		RSE Row Factors
		(million Btu)	(gallons)			1993	30-Year Average <sup>2</sup>	Consumption (gallons/HDD*1000 square feet)	Expenditures (cents/HDD*1000 square feet)	
RSE Column Factors:	1.9	1.0 <sup>1</sup>	1.0 <sup>1</sup>	0.9 <sup>1</sup>	0.8	0.8	0.8	1.0 <sup>1</sup>	1.1 <sup>1</sup>	
<b>Ownership of Unit</b>										
Owned .....	3.9	61.1	669	565	1,728	4,846	4,659	0.080	6.7	5.8
Rented .....	.8	54.5	597	534	1,196	4,860	4,689	.103	9.2	9.0
Public Housing .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Not Public Housing .....	.7	54.5	596	533	1,206	4,794	4,614	.103	9.2	9.1
Rent Subsidy .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
No Rent Subsidy .....	.7	53.4	585	526	1,186	4,721	4,547	.105	9.4	9.5
<b>Year of Construction</b>										
1939 or Before .....	1.1	86.1	942	748	1,992	5,922	5,668	.080	6.3	6.3
1940 to 1949 .....	.4	66.2	725	636	1,243	4,025	3,851	.145	12.7	17.1
1950 to 1959 .....	.5	39.8	436	393	1,373	3,889	3,750	.082	7.4	17.0
1960 to 1969 .....	.6	62.8	687	594	1,760	4,485	4,377	.087	7.5	12.2
1970 to 1979 .....	.9	47.1	515	452	1,456	4,530	4,308	.078	6.8	8.9
1980 to 1984 .....	.2	42.7	468	397	1,174	5,413	5,207	.074	6.2	12.6
1985 to 1987 .....	.2	53.7	588	536	1,618	5,142	5,048	.071	6.4	14.3
1988 to 1990 .....	.2	49.3	540	512	1,700	4,711	4,547	.067	6.4	14.9
1991 to 1993 <sup>3</sup> .....	.3	51.1	559	504	1,893	4,596	4,467	.064	5.8	13.6
<b>Liquefied Petroleum Gas Paid by Household</b>										
Yes .....	4.5	59.9	656	559	1,648	4,829	4,641	.082	7.0	5.4
No .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
<b>1993 Family Income</b>										
Less than \$5,000 .....	.2	56.7	621	568	1,094	3,827	3,730	.148	13.6	20.5
\$5,000 to \$9,999 .....	.6	49.8	545	489	1,003	3,928	3,773	.138	12.4	13.3
\$10,000 to \$14,999 .....	.6	43.2	473	424	1,266	4,597	4,314	.081	7.3	10.0
\$15,000 to \$19,999 .....	.5	58.6	642	568	1,459	5,540	5,270	.079	7.0	12.3
\$20,000 to \$24,999 .....	.6	54.1	592	511	1,330	4,832	4,646	.092	8.0	10.4
\$25,000 to \$34,999 .....	.9	60.6	664	556	1,743	4,774	4,608	.080	6.7	8.7
\$35,000 to \$49,999 .....	.6	73.0	799	648	2,382	5,512	5,410	.061	4.9	9.0
\$50,000 to \$74,999 .....	.4	81.7	895	730	2,368	5,163	4,971	.073	6.0	12.2
\$75,000 or More .....	.1	80.8	885	710	2,591	5,681	5,467	.060	4.8	13.8
<b>Below Poverty Line</b>										
100 Percent .....	.9	50.0	547	494	1,075	4,122	3,925	.123	11.2	10.5
125 Percent .....	1.3	48.1	526	468	1,104	4,285	4,055	.111	9.9	10.1
150 Percent .....	1.5	47.2	517	463	1,123	4,291	4,079	.107	9.6	9.3
<b>Eligible for Federal Assistance <sup>4</sup></b>										
Assistance .....	1.7	49.0	536	484	1,202	4,386	4,185	.102	9.2	8.7
<b>Age of Householder</b>										
Under 25 Years .....	.2	40.6	444	399	901	4,794	4,600	.103	9.2	17.2
25 to 34 Years .....	.8	53.6	587	516	1,445	5,309	5,040	.077	6.7	8.0
35 to 44 Years .....	.8	56.6	620	532	1,661	4,721	4,551	.079	6.8	8.7
45 to 59 Years .....	1.2	63.4	694	582	1,776	4,938	4,777	.079	6.6	10.5
60 Years and Over .....	1.6	64.8	710	600	1,719	4,626	4,459	.089	7.6	9.2
<b>Education of Householder</b>										
Less than 13 Years .....	3.3	56.7	621	531	1,534	4,671	4,481	.087	7.4	6.2
13 to 16 Years .....	1.1	69.4	760	639	1,909	5,401	5,218	.074	6.2	6.9
17 Years or More .....	.2	63.9	700	618	1,989	4,837	4,744	.073	6.4	12.7
<b>Race of Householder</b>										
White .....	4.3	62.6	686	581	1,691	5,017	4,826	.081	6.8	5.3
Black .....	.3	24.4	267	274	1,010	2,522	2,423	.105	10.8	14.2
Other <sup>5</sup> .....	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF

See footnotes at end of table.

**Table 5.19. Liquefied Petroleum Gas Consumption and Expenditures for Main Space Heating, per U.S. Household, 1993 (Continued)**

Characteristics	Households (million)	Consumption		Expenditures (dollars)	Heated Floorspace (square feet)	Annual Heating Degree-Days		Liquefied Petroleum Gas Space-Heating Intensity		RSE Row Factors
		(million Btu)	(gallons)			1993	30-Year Average <sup>2</sup>	Consumption (gallons/HDD*1000 square feet)	Expenditures (cents/HDD*1000 square feet)	
RSE Column Factors:	1.9	1.0 <sup>1</sup>	1.0 <sup>1</sup>	0.9 <sup>1</sup>	0.8	0.8	0.8	1.0 <sup>1</sup>	1.1 <sup>1</sup>	
<b>Householder of Hispanic Descent</b>										
Yes .....	0.2	34.7	380	358	1,363	3,196	3,180	0.087	8.2	21.4
No .....	4.4	61.1	669	569	1,653	4,921	4,729	.082	7.0	5.2
<b>Household Size</b>										
1 Person .....	.8	56.4	617	531	1,107	4,458	4,299	.125	10.8	10.2
2 Persons .....	1.8	61.4	673	579	1,777	4,685	4,537	.081	7.0	8.4
3 Persons .....	.8	58.8	644	552	1,659	4,699	4,500	.083	7.1	9.5
4 Persons .....	.6	60.0	657	571	1,661	5,530	5,265	.071	6.2	9.2
5 Persons .....	.4	65.3	715	562	1,909	5,458	5,232	.069	5.4	9.9
6 or More Persons .....	.2	54.1	592	480	2,019	5,178	4,947	.057	4.6	23.1
<b>Main Heating Equipment Using LPG</b>										
Central Warm-Air Furnace .....	2.9	66.6	730	615	1,806	5,491	5,284	.074	6.2	5.0
Room Heater/Other .....	1.7	48.2	528	462	1,348	3,708	3,562	.106	9.2	11.6
<b>Age of Main Heating Equipment</b>										
Less than 5 Years .....	1.7	60.3	660	563	1,747	4,923	4,706	.077	6.5	7.0
5 to 9 Years .....	1.1	55.1	604	510	1,656	5,204	5,037	.070	5.9	8.0
10 to 19 Years .....	.8	65.9	721	615	1,507	4,547	4,382	.105	9.0	8.8
20 Years or More .....	.7	65.2	714	598	1,675	4,481	4,332	.095	8.0	12.9
Don't Know .....	.2	43.8	479	460	1,128	4,693	4,484	.091	8.7	15.1
<b>Secondary Heating Fuel (more than one may apply)</b>										
No .....	1.9	58.5	641	549	1,782	4,762	4,566	.075	6.5	6.6
Yes .....	2.7	61.1	669	568	1,538	4,911	4,735	.089	7.5	6.4
Wood .....	.7	65.5	717	626	2,420	5,345	5,119	.055	4.8	9.0
Electricity .....	1.0	51.9	569	493	1,599	4,462	4,272	.080	6.9	8.4
Kerosene .....	.3	61.2	670	539	1,640	4,994	4,839	.082	6.6	12.5
Other .....	.3	85.8	940	810	2,340	4,589	4,364	.087	7.5	16.0
<b>Average LPG Expenditures for Main Space Heat (dollars per gallon)</b>										
Less than .75 .....	.8	86.2	944	608	2,096	6,888	6,508	.065	4.2	10.0
1.00 or More .....	1.1	33.9	371	431	1,229	3,064	3,034	.099	11.4	8.5
<b>Adequacy of Insulation</b>										
Well Insulated .....	1.6	58.4	640	535	1,903	4,918	4,754	.068	5.7	9.0
Adequately Insulated .....	1.8	61.5	673	568	1,663	5,090	4,901	.080	6.7	7.3
Poorly Insulated .....	1.3	59.8	655	579	1,285	4,418	4,214	.115	10.2	8.3

<sup>1</sup> This factor is underestimated because it contains no error for estimating this end use.

<sup>2</sup> The 30-year average and climate zones are based on annual degree-days that are averaged over 30 years from 1961 to 1990.

<sup>3</sup> Does not include all new construction for 1993.

<sup>4</sup> Below 150 percent of poverty line or 60 percent of median State income.

<sup>5</sup> Includes some householders who described themselves as Hispanic rather than White, Black, or other.

NF = No applicable RSE row factor.

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals. • See "Glossary" for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-457 A-D of the 1993 Residential Energy Consumption Survey (for specific titles of forms, see Appendix E).