

**Table 5.11. Total Consumption and Expenditures by End Uses
in U.S. Households, 1993**

Characteristics	Space Heating		Air Conditioning		Water Heating		Refrigerator		Appliances		RSE Row Factors
	Con- sump- tion (quad- ril- lion Btu)	Expend- itures (billion dollars)	Con- sump- tion (quad- ril- lion Btu)	Expend- itures (billion dollars)	Con- sump- tion (quad- ril- lion Btu)	Expend- itures (billion dollars)	Con- sump- tion (quad- ril- lion Btu)	Expend- itures (billion dollars)	Con- sump- tion (quad- ril- lion Btu)	Expend- itures (billion dollars)	
RSE Column Factors:	1.1 ¹	0.9 ¹	1.5 ¹	1.5 ¹	0.9 ¹	0.8 ¹	0.9 ¹	0.9 ¹	0.9 ¹	0.9 ¹	
Total U.S. Households	5.32	39.67	0.46	11.33	1.83	16.99	0.46	11.98	1.94	43.95	1.6
Census Region and Division											
Northeast	1.49	11.39	.04	1.39	.43	4.17	.08	2.66	.35	10.10	3.6
New England .....	.40	3.12	.01	.24	.11	1.17	.02	.64	.09	2.60	6.7
Middle Atlantic	1.09	8.27	.03	1.15	.32	3.00	.06	2.02	.26	7.51	4.2
Midwest	1.92	12.09	.08	1.90	.52	4.06	.11	2.59	.50	10.48	3.3
East North Central	1.41	8.69	.05	1.26	.39	2.84	.07	1.88	.35	7.55	4.0
West North Central .....	.52	3.40	.03	.64	.14	1.22	.03	.71	.15	2.93	4.7
South	1.21	11.09	.31	7.11	.51	5.89	.19	4.38	.73	15.19	2.8
South Atlantic .....	.56	5.83	.14	3.46	.22	3.20	.09	2.18	.34	7.71	4.0
East South Central .....	.25	2.19	.05	.97	.09	1.01	.04	.66	.14	2.38	5.0
West South Central .....	.40	3.08	.11	2.69	.20	1.68	.06	1.54	.25	5.10	5.3
West .....	.70	5.09	.03	.92	.36	2.87	.09	2.35	.37	8.18	3.8
Mountain .....	.28	1.73	.01	.37	.10	.81	.02	.55	.10	2.04	6.1
Pacific .....	.42	3.36	.02	.56	.26	2.06	.06	1.80	.26	6.13	4.9
Largest Populated States											
California .....	.27	2.07	.02	.53	.21	1.51	.04	1.47	.18	4.92	5.2
Florida .....	.05	.88	.06	1.44	.04	.89	.03	.78	.11	2.59	9.1
New York .....	.51	3.95	.01	.50	.16	1.51	.02	1.01	.12	3.76	7.6
Texas .....	.23	1.85	.07	1.65	.12	1.03	.04	.97	.15	3.19	7.4
Urban Status											
Urban	4.11	30.17	.36	9.18	1.50	13.02	.36	9.70	1.50	34.53	1.9
Central City	1.56	11.18	.13	3.19	.62	5.05	.13	3.73	.54	12.19	3.1
Suburban	2.54	19.00	.24	5.99	.88	7.97	.22	5.97	.96	22.34	2.3
Rural	1.21	9.49	.10	2.15	.33	3.97	.10	2.27	.45	9.41	4.2
Climate Zone ²											
Under 2,000 CDD and											
Over 7,000 HDD .....	.69	4.39	.01	.26	.17	1.66	.03	.79	.18	3.80	21.6
5,500 to 7,000 HDD	2.11	14.28	.07	1.67	.59	4.89	.11	3.05	.54	12.05	9.7
4,000 to 5,499 HDD	1.35	10.77	.10	2.57	.44	4.20	.10	2.75	.44	10.22	9.3
Under 4,000 HDD .....	.60	5.03	.08	1.85	.31	2.84	.08	2.27	.32	7.72	12.5
2,000 CDD or More and											
Under 4,000 HDD .....	.57	5.20	.21	4.98	.31	3.41	.12	3.12	.46	10.16	7.6
Type of Housing Unit											
Single-Family	4.31	31.36	.37	8.87	1.33	12.09	.35	8.97	1.56	34.99	2.3
Detached	3.96	28.47	.33	7.92	1.19	10.82	.32	8.02	1.42	31.79	2.5
Attached .....	.36	2.89	.04	.95	.14	1.27	.03	.94	.14	3.19	9.1
Mobile Home .....	.22	1.93	.03	.82	.07	1.11	.02	.55	.11	2.30	9.8
Multifamily .....	.79	6.37	.06	1.63	.43	3.79	.08	2.46	.27	6.67	5.3
2 to 4 Units .....	.48	3.59	.02	.43	.17	1.43	.03	.86	.11	2.61	8.1
5 or More Units .....	.31	2.79	.04	1.20	.26	2.36	.06	1.61	.16	4.05	6.9
Heated Floorspace (square feet)											
Fewer than 1,000 .....	.94	7.72	.08	2.04	.45	4.48	.11	3.00	.38	8.41	3.7
1,000 to 1,999	2.05	15.72	.21	5.03	.76	7.10	.19	5.02	.83	18.80	2.9
2,000 to 2,999	1.39	9.93	.11	2.61	.39	3.48	.10	2.53	.45	10.38	4.0
3,000 or More .....	.94	6.30	.07	1.64	.22	1.93	.06	1.42	.28	6.36	7.2

See footnotes at end of table.

Table 5.11. Total Consumption and Expenditures by End Uses in U.S. Households, 1993 (Continued)

Characteristics	Space Heating		Air Conditioning		Water Heating		Refrigerator		Appliances		RSE Row Factors
	Consumption (quadrillion Btu)	Expenditures (billion dollars)	Consumption (quadrillion Btu)	Expenditures (billion dollars)	Consumption (quadrillion Btu)	Expenditures (billion dollars)	Consumption (quadrillion Btu)	Expenditures (billion dollars)	Consumption (quadrillion Btu)	Expenditures (billion dollars)	
RSE Column Factors:	1.1 ¹	0.9 ¹	1.5 ¹	1.5 ¹	0.9 ¹	0.8 ¹	0.9 ¹	0.9 ¹	0.9 ¹	0.9 ¹	
Total Number of Rooms (Excluding Bathrooms)											
1 or 2	0.05	0.50	(*)	0.13	0.04	0.38	0.01	0.26	0.02	0.57	12.9
3 to 5	1.88	15.01	0.17	4.25	.79	7.71	.20	5.24	.74	16.68	2.9
6 to 8	2.79	20.20	.24	5.71	.85	7.66	.21	5.49	1.00	22.40	3.2
9 or More .....	.60	3.95	.05	1.25	.15	1.24	.04	.99	.19	4.30	9.4
Ownership of Unit											
Owned	4.10	30.04	.36	8.80	1.22	11.45	.33	8.52	1.48	33.25	2.2
Rented	1.22	9.62	.10	2.53	.60	5.54	.12	3.46	.47	10.70	3.6
Public Housing .....	.09	.77	.01	.18	.06	.51	.01	.30	.04	.82	12.5
Not Public Housing	1.13	8.85	.09	2.35	.55	5.02	.11	3.15	.43	9.88	4.1
Rent Subsidy .....	.08	.61	(*)	.11	.04	.31	.01	.19	.03	.59	12.0
No Rent Subsidy	1.06	8.25	.09	2.24	.51	4.72	.11	2.96	.40	9.28	4.3
Year of Construction											
1939 or Before	1.69	11.17	.04	1.11	.42	3.57	.09	2.36	.39	8.76	5.5
1940 to 1949 .....	.45	3.04	.02	.50	.13	1.14	.03	.86	.14	3.01	8.5
1950 to 1959 .....	.81	5.76	.06	1.53	.27	2.26	.07	1.85	.29	6.73	6.3
1960 to 1969 .....	.82	6.03	.08	1.85	.29	2.45	.07	1.94	.29	6.62	5.8
1970 to 1979 .....	.73	6.21	.10	2.32	.31	3.21	.09	2.26	.37	8.18	5.0
1980 to 1984 .....	.26	2.54	.06	1.45	.14	1.56	.04	1.11	.17	3.89	6.5
1985 to 1987 .....	.19	1.75	.04	1.05	.10	1.04	.03	.65	.11	2.56	9.2
1988 to 1990 .....	.18	1.65	.03	.77	.08	.96	.02	.52	.11	2.33	8.3
1991 to 1993 ³ .....	.18	1.51	.03	.75	.08	.81	.02	.43	.09	1.87	11.0
All Utilities Paid by Household											
Yes	4.79	35.96	.44	10.66	1.55	14.97	.41	10.63	1.79	40.13	1.8
No .....	.53	3.70	.02	.67	.28	2.02	.04	1.35	.16	3.81	5.4
1993 Family Income											
Less than \$5,000 .....	.17	1.31	.01	.33	.07	.65	.02	.44	.06	1.30	10.2
\$5,000 to \$9,999 .....	.48	3.80	.03	.69	.16	1.49	.04	1.17	.15	3.19	5.7
\$10,000 to \$14,999 .....	.56	4.05	.03	.74	.19	1.76	.05	1.24	.18	3.90	5.0
\$15,000 to \$19,999 .....	.54	3.84	.04	.91	.16	1.57	.04	1.10	.17	3.79	6.5
\$20,000 to \$24,999 .....	.46	3.44	.04	.88	.15	1.43	.04	1.01	.16	3.58	5.6
\$25,000 to \$34,999 .....	.77	5.86	.07	1.73	.25	2.50	.07	1.72	.29	6.47	4.9
\$35,000 to \$49,999 .....	.97	7.17	.10	2.37	.36	3.36	.08	2.20	.39	8.97	4.1
\$50,000 to \$74,999 .....	.77	5.68	.08	1.94	.28	2.50	.07	1.72	.31	7.01	5.0
\$75,000 or More .....	.61	4.51	.07	1.74	.20	1.73	.05	1.38	.24	5.74	7.6
Below Poverty Line											
100 Percent .....	.63	4.84	.04	1.00	.27	2.50	.06	1.61	.24	5.23	4.9
125 Percent .....	.88	6.72	.06	1.39	.36	3.39	.08	2.18	.33	7.20	4.3
150 Percent	1.13	8.68	.08	1.92	.45	4.35	.11	2.81	.43	9.27	3.7
Eligible for Federal Assistance⁴											
	1.50	11.32	.09	2.27	.55	5.19	.13	3.47	.51	11.37	3.6
Age of Householder											
Under 25 Years .....	.20	1.63	.02	.49	.10	1.00	.02	.55	.08	1.80	9.7
25 to 34 Years .....	.94	7.06	.09	2.22	.41	3.83	.08	2.10	.38	8.43	3.8
35 to 44 Years	1.09	8.29	.12	2.88	.46	4.41	.10	2.63	.49	11.30	3.4
45 to 59 Years	1.28	9.51	.13	3.13	.45	4.21	.11	2.98	.51	11.39	4.0
60 Years and Over	1.81	13.17	.10	2.62	.39	3.54	.14	3.72	.48	11.03	3.6

See footnotes at end of table.

**Table 5.11. Total Consumption and Expenditures by End Uses
in U.S. Households, 1993 (Continued)**

Characteristics	Space Heating		Air Conditioning		Water Heating		Refrigerator		Appliances		RSE Row Factors
	Consumption (quadrillion Btu)	Expenditures (billion dollars)	Consumption (quadrillion Btu)	Expenditures (billion dollars)	Consumption (quadrillion Btu)	Expenditures (billion dollars)	Consumption (quadrillion Btu)	Expenditures (billion dollars)	Consumption (quadrillion Btu)	Expenditures (billion dollars)	
RSE Column Factors:	1.1 ¹	0.9 ¹	1.5 ¹	1.5 ¹	0.9 ¹	0.8 ¹	0.9 ¹	0.9 ¹	0.9 ¹	0.9 ¹	
Education of Householder											
Less than 13 Years	2.78	20.64	0.21	5.00	0.95	9.02	0.24	6.24	1.00	22.26	2.5
13 to 16 Years	1.84	13.87	.18	4.61	.64	6.01	.16	4.24	.70	15.98	2.9
17 Years or More .....	.70	5.16	.07	1.72	.23	1.96	.06	1.50	.24	5.71	5.3
Race of Householder											
White	4.54	33.86	.40	9.80	1.46	13.91	.38	9.91	1.65	37.33	1.9
Black .....	.61	4.42	.05	1.10	.25	2.13	.05	1.41	.21	4.58	6.9
Other ⁵ .....	.17	1.39	.02	.43	.11	.95	.02	.66	.08	2.04	9.5
Householder of Hispanic Descent											
Yes .....	.28	2.16	.03	.72	.17	1.37	.03	.95	.14	3.21	9.1
No	5.04	37.51	.43	10.60	1.66	15.63	.42	11.02	1.81	40.73	1.9
Household Size											
1 Person	1.12	8.53	.07	1.79	.26	2.36	.09	2.54	.26	6.03	2.7
2 Persons	1.77	13.32	.16	3.78	.53	5.06	.16	4.09	.60	13.46	2.8
3 Persons .....	.96	7.09	.09	2.23	.37	3.43	.08	2.13	.38	8.60	4.5
4 Persons .....	.90	6.46	.08	2.08	.38	3.43	.07	1.86	.40	8.96	3.7
5 Persons .....	.38	2.83	.04	.96	.18	1.73	.03	.85	.20	4.36	6.6
6 or More Persons .....	.20	1.44	.02	.48	.11	.98	.02	.51	.11	2.53	11.0

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

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

³ Does not include all new construction for 1993.

⁴ Below 150 percent of poverty line or 60 percent of median State income.

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

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. • Consumption and Expenditure data are for major energy sources which include: electricity, natural gas, fuel oil, kerosene, and liquefied petroleum gas. • 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-H of the 1993 Residential Energy Consumption Survey (for specific titles of forms, see Appendix E).

Table 5.12. Consumption by End Uses, per U.S. Household, 1993

Characteristics	All Uses		Space Heating		Air Conditioning		Water Heating		Refrigerator		Appliances		RSE Row Factors
	Households (million)	Consumption (million Btu)	Households (million)	Consumption (million Btu)	Households (million)	Consumption (million Btu)	Households (million)	Consumption (million Btu)	Households (million)	Consumption (million Btu)	Households (million)	Consumption (million Btu)	
RSE Column Factors:	1.1	0.8	1.1	1.1 ¹	1.3	1.3 ¹	1.1	0.8 ¹	1.1	0.7 ¹	1.1	0.7 ¹	
Total U.S. Households	96.6	103.6	94.6	56.3	64.0	7.2	95.9	19.0	96.4	4.7	96.6	20.1	1.6
Census Region and Division													
Northeast	19.5	122.4	19.1	77.7	10.9	3.7	19.3	22.2	19.4	3.9	19.5	18.1	3.9
New England	5.1	123.1	4.9	81.7	2.1	3.6	5.0	21.2	5.1	3.7	5.1	17.5	6.0
Middle Atlantic	14.4	122.1	14.2	76.3	8.8	3.7	14.3	22.6	14.3	3.9	14.4	18.3	4.4
Midwest	23.3	134.3	23.2	82.8	16.4	4.9	23.3	22.4	23.3	4.5	23.3	21.4	3.2
East North Central	16.4	138.8	16.3	86.3	10.8	4.7	16.4	23.6	16.4	4.5	16.4	21.5	3.6
West North Central	6.9	123.8	6.9	74.5	5.6	5.2	6.9	19.7	6.9	4.6	6.9	21.2	5.3
South	33.5	88.1	32.8	36.8	29.4	10.5	33.2	15.5	33.4	5.7	33.5	21.7	2.7
South Atlantic	17.3	78.0	16.8	33.1	15.0	9.6	17.1	12.7	17.3	5.2	17.3	19.7	3.6
East South Central	6.0	94.9	5.9	43.3	5.3	10.0	5.9	15.4	6.0	5.8	6.0	22.8	3.9
West South Central	10.1	101.1	10.1	39.1	9.2	12.1	10.1	20.1	10.1	6.3	10.1	24.6	5.3
West	20.4	76.0	19.4	36.2	7.2	4.4	20.2	17.9	20.3	4.2	20.4	18.0	4.4
Mountain	5.4	98.1	5.3	53.3	2.1	6.6	5.3	19.4	5.4	4.4	5.4	19.3	7.5
Pacific	15.0	68.2	14.1	29.8	5.1	3.5	14.9	17.4	15.0	4.2	15.0	17.5	5.3
Largest Populated States													
California	11.1	65.2	10.6	25.8	4.4	3.7	11.1	18.7	11.1	4.0	11.1	16.6	5.4
Florida	5.6	52.3	5.3	9.2	5.1	11.5	5.5	7.7	5.6	5.7	5.6	19.6	6.3
New York	6.8	121.2	6.7	76.2	3.9	2.9	6.7	24.1	6.8	3.5	6.8	17.1	6.9
Texas	6.4	94.7	6.4	35.1	5.8	12.0	6.4	18.7	6.4	6.3	6.4	24.0	7.4
Urban Status													
Urban	75.8	103.2	74.4	55.2	50.3	7.2	75.3	19.9	75.7	4.7	75.8	19.8	1.9
Central City	30.6	97.7	29.9	52.4	18.9	6.7	30.4	20.4	30.5	4.4	30.6	17.7	2.2
Suburban	45.2	107.0	44.6	57.1	31.3	7.5	44.9	19.5	45.1	4.9	45.2	21.2	1.7
Rural	20.8	104.9	20.2	60.1	13.7	7.1	20.6	15.9	20.8	4.8	20.8	21.5	3.0
Climate Zone ²													
Under 2,000 CDD and													
Over 7,000 HDD	8.7	124.0	8.5	80.9	4.0	2.9	8.6	19.5	8.7	3.9	8.7	20.4	9.5
5,500 to 7,000 HDD	26.5	129.2	26.3	80.4	15.5	4.2	26.4	22.5	26.5	4.3	26.5	20.3	5.6
4,000 to 5,499 HDD	22.4	108.5	22.1	61.3	16.0	6.2	22.2	19.9	22.3	4.5	22.4	19.6	5.4
Under 4,000 HDD	17.8	78.5	17.2	35.0	10.3	7.5	17.7	17.5	17.8	4.6	17.8	18.3	6.8
2,000 CDD or More and													
Under 4,000 HDD	21.2	79.1	20.5	27.5	18.1	11.4	21.0	14.9	21.1	5.9	21.2	21.9	4.9
Type of Housing Unit													
Single-Family	66.8	118.6	65.5	65.9	45.1	8.1	66.3	20.0	66.7	5.2	66.8	23.4	1.6
Detached	59.5	121.3	58.3	67.9	39.9	8.2	59.0	20.1	59.4	5.3	59.5	23.9	1.7
Attached	7.3	96.3	7.2	49.6	5.2	7.2	7.3	19.0	7.3	4.7	7.3	18.8	6.9
Mobile Home	5.6	81.9	5.4	40.1	3.7	9.3	5.5	13.2	5.6	4.1	5.6	19.4	6.2
Multifamily	24.2	67.3	23.6	33.4	15.1	4.0	24.1	17.7	24.2	3.4	24.2	11.3	3.6
2 to 4 Units	8.0	99.5	7.9	60.3	3.9	3.8	8.0	21.0	8.0	3.5	8.0	13.9	5.8
5 or More Units	16.2	51.5	15.8	19.9	11.2	4.0	16.1	16.0	16.2	3.4	16.2	10.1	4.4
Heated Floorspace (square feet)													
Fewer than 1,000	29.3	66.8	28.1	33.4	17.2	4.7	28.9	15.6	29.2	3.8	29.3	12.8	2.6
1,000 to 1,999	40.2	100.7	39.6	51.8	27.4	7.5	40.0	19.1	40.1	4.8	40.2	20.7	2.1
2,000 to 2,999	17.8	136.6	17.7	78.8	12.8	8.4	17.8	21.7	17.8	5.5	17.8	25.3	2.8
3,000 or More	9.3	168.8	9.2	102.0	6.6	10.1	9.2	24.1	9.3	6.0	9.3	30.5	4.6
Total Number of Rooms (Excluding Bathrooms)													
1 or 2	3.2	41.3	3.0	18.2	1.6	3.0	3.1	13.5	3.2	2.8	3.2	7.1	8.3
3 to 5	47.3	79.7	46.2	40.7	30.4	5.6	47.0	16.7	47.2	4.1	47.3	15.6	2.1
6 to 8	40.2	126.3	39.7	70.3	27.7	8.5	40.0	21.2	40.2	5.3	40.2	24.8	2.1
9 or More	5.8	175.5	5.7	104.4	4.3	11.4	5.8	26.0	5.8	6.4	5.8	32.5	5.8

See footnotes at end of table.

Table 5.12. Consumption by End Uses, per U.S. Household, 1993 (Continued)

Characteristics	All Uses		Space Heating		Air Conditioning		Water Heating		Refrigerator		Appliances		RSE Row Factors
	Households (million)	Consumption (million Btu)	Households (million)	Consumption (million Btu)	Households (million)	Consumption (million Btu)	Households (million)	Consumption (million Btu)	Households (million)	Consumption (million Btu)	Households (million)	Consumption (million Btu)	
RSE Column Factors:	1.1	0.8	1.1	1.1 ¹	1.3	1.3 ¹	1.1	0.8 ¹	1.1	0.7 ¹	1.1	0.7 ¹	
Ownership of Unit													
Owned	63.2	118.6	62.0	66.1	44.3	8.2	62.9	19.4	63.2	5.2	63.2	23.4	1.6
Rented	33.4	75.2	32.6	37.5	19.7	5.0	33.1	18.3	33.3	3.8	33.4	14.0	2.5
Public Housing	3.4	58.2	3.4	25.3	2.2	3.2	3.4	16.6	3.4	3.4	3.4	11.3	9.5
Not Public Housing	30.0	77.2	29.2	38.9	17.5	5.2	29.7	18.5	29.8	3.8	30.0	14.3	2.9
Rent Subsidy	2.0	75.8	1.9	40.1	1.1	3.7	2.0	19.0	2.0	3.3	2.0	13.2	10.1
No Rent Subsidy	28.0	77.3	27.3	38.8	16.4	5.3	27.7	18.4	27.9	3.8	28.0	14.3	3.1
Year of Construction													
1939 or Before	20.3	129.6	19.7	85.7	9.9	4.5	20.1	21.2	20.3	4.2	20.3	19.0	3.6
1940 to 1949	6.9	112.0	6.8	66.5	3.8	5.3	6.9	19.5	6.9	4.7	6.9	19.8	5.2
1950 to 1959	13.1	114.1	12.8	63.3	8.4	6.8	13.0	20.8	13.1	5.1	13.1	21.9	4.1
1960 to 1969	15.0	102.9	14.7	56.0	10.6	7.1	14.9	19.1	15.0	4.8	15.0	19.2	3.9
1970 to 1979	18.1	87.9	17.7	41.5	12.4	7.9	18.0	17.1	18.1	5.0	18.1	20.1	3.7
1980 to 1984	8.5	80.3	8.3	31.3	6.7	8.9	8.5	16.7	8.5	5.2	8.5	20.6	4.5
1985 to 1987	5.5	85.2	5.5	34.6	4.7	9.1	5.5	17.4	5.5	4.7	5.5	20.8	6.6
1988 to 1990	4.7	90.4	4.6	39.3	3.8	8.4	4.7	17.9	4.7	4.5	4.7	22.6	5.8
1991 to 1993 ³	4.5	88.9	4.5	40.1	3.8	8.4	4.5	18.4	4.5	3.9	4.5	19.4	8.5
All Utilities Paid by Household													
Yes	82.9	108.3	81.3	58.9	56.4	7.7	82.5	18.7	82.8	5.0	82.9	21.6	1.8
No	13.7	75.5	13.3	39.9	7.6	3.1	13.5	20.8	13.6	3.1	13.7	11.5	3.9
1993 Family Income													
Less than \$5,000	4.0	80.1	4.0	42.8	2.4	5.2	4.0	17.3	4.0	4.0	4.0	14.2	6.7
\$5,000 to \$9,999	10.6	81.7	10.2	47.1	6.1	4.7	10.3	15.7	10.5	4.2	10.6	13.8	4.2
\$10,000 to \$14,999	11.1	89.7	10.8	51.4	6.3	4.7	11.1	17.0	11.1	4.2	11.1	15.9	3.7
\$15,000 to \$19,999	9.6	99.2	9.3	57.6	6.0	6.2	9.6	17.0	9.6	4.5	9.6	18.0	4.3
\$20,000 to \$24,999	8.7	96.6	8.6	53.3	5.5	6.4	8.7	17.0	8.7	4.5	8.7	18.7	3.8
\$25,000 to \$34,999	14.1	103.5	13.8	55.7	9.7	7.4	14.0	18.1	14.0	4.9	14.1	20.6	3.4
\$35,000 to \$49,999	17.5	108.5	17.1	56.6	12.4	7.8	17.4	20.6	17.4	4.8	17.5	22.3	2.9
\$50,000 to \$74,999	12.6	119.2	12.4	62.0	9.1	8.9	12.6	22.3	12.6	5.2	12.6	24.4	3.3
\$75,000 or More	8.3	139.9	8.2	73.6	6.5	10.2	8.3	24.6	8.3	6.0	8.3	28.8	5.0
Below Poverty Line													
100 Percent	14.4	85.9	13.9	45.2	7.9	5.1	14.1	19.1	14.3	4.2	14.4	16.7	3.7
125 Percent	19.4	87.9	18.7	46.8	11.0	5.1	19.0	18.8	19.3	4.2	19.4	17.0	3.2
150 Percent	24.7	88.8	23.9	47.2	14.4	5.5	24.4	18.7	24.6	4.3	24.7	17.2	2.8
Eligible for Federal Assistance⁴													
	30.6	90.9	29.7	50.4	17.7	5.2	30.3	18.1	30.6	4.3	30.6	16.8	2.5
Age of Householder													
Under 25 Years	5.7	75.4	5.6	36.6	3.2	6.1	5.6	18.2	5.7	3.8	5.7	14.6	6.5
25 to 34 Years	19.9	95.4	19.5	48.2	13.3	6.7	19.8	20.8	19.9	4.0	19.9	19.0	2.7
35 to 44 Years	21.4	105.9	21.0	51.9	14.2	8.3	21.3	21.8	21.3	4.7	21.4	23.1	2.4
45 to 59 Years	21.9	113.5	21.3	59.9	14.7	8.7	21.7	20.8	21.9	5.2	21.9	23.3	2.8
60 Years and Over	27.7	105.7	27.3	66.5	18.5	5.6	27.5	14.4	27.7	5.0	27.7	17.3	2.5
Education of Householder													
Less than 13 Years	51.5	100.7	50.2	55.4	32.5	6.4	51.0	18.7	51.4	4.7	51.5	19.5	1.8
13 to 16 Years	33.6	105.0	33.1	55.6	23.3	7.9	33.4	19.2	33.6	4.8	33.6	20.8	2.2
17 Years or More	11.5	112.4	11.3	62.0	8.2	8.3	11.5	20.0	11.5	4.8	11.5	20.9	4.1
Race of Householder													
White	80.2	105.3	78.8	57.6	54.5	7.3	79.7	18.4	80.1	4.8	80.2	20.6	1.8
Black	10.9	106.8	10.7	56.6	6.7	6.7	10.8	23.5	10.9	4.7	10.9	18.9	5.0
Other ⁵	5.5	72.7	5.0	34.1	2.8	5.9	5.5	20.1	5.5	4.0	5.5	15.3	6.2

See footnotes at end of table.

Table 5.12. Consumption by End Uses, per U.S. Household, 1993 (Continued)

Characteristics	All Uses		Space Heating		Air Conditioning		Water Heating		Refrigerator		Appliances		RSE Row Factors
	Households (million)	Consumption (million Btu)	Households (million)	Consumption (million Btu)	Households (million)	Consumption (million Btu)	Households (million)	Consumption (million Btu)	Households (million)	Consumption (million Btu)	Households (million)	Consumption (million Btu)	
RSE Column Factors:	1.1	0.8	1.1	1.1 ¹	1.3	1.3 ¹	1.1	0.8 ¹	1.1	0.7 ¹	1.1	0.7 ¹	

Householder of Hispanic Descent

Yes	7.9	81.2	7.4	37.6	4.3	6.4	7.8	21.2	7.9	4.1	7.9	17.2	5.8
No	88.7	105.6	87.1	57.8	59.7	7.2	88.2	18.8	88.6	4.8	88.7	20.4	1.7

Household Size

1 Person	23.5	76.8	23.0	48.6	15.0	4.8	23.1	11.3	23.4	4.0	23.5	11.0	3.0
2 Persons	31.7	101.3	31.2	56.7	21.9	7.1	31.6	16.7	31.7	5.0	31.7	19.0	2.1
3 Persons	16.6	112.9	16.3	59.0	11.1	8.2	16.5	22.2	16.6	4.8	16.6	22.8	2.9
4 Persons	14.6	125.2	14.4	62.2	9.9	8.5	14.6	25.9	14.6	4.9	14.6	27.3	2.6
5 Persons	6.8	122.3	6.5	57.6	4.3	9.2	6.7	26.9	6.8	4.9	6.8	29.0	4.2
6 or More Persons	3.5	133.9	3.2	63.5	1.9	9.8	3.5	32.6	3.5	5.3	3.5	32.5	7.1

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

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

³ Does not include all new construction for 1993.

⁴ Below 150 percent of poverty line or 60 percent of median State income.

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

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. • Consumption and Expenditure data are for major energy sources which include: electricity, natural gas, fuel oil, kerosene, and liquefied petroleum gas. • 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-H of the 1993 Residential Energy Consumption Survey (for specific titles of forms, see Appendix E).

Table 5.13. Expenditures by End Uses, per U.S. Household, 1993

Characteristics	All Uses		Space Heating		Air Conditioning		Water Heating		Refrigerators		Appliances		RSE Row Factors
	Households (million)	Expenditures (dollars)	Households (million)	Expenditures (dollars)	Households (million)	Expenditures (dollars)	Households (million)	Expenditures (dollars)	Households (million)	Expenditures (dollars)	Households (million)	Expenditures (dollars)	
RSE Column Factors:	1.2	0.6	1.1	0.9 ¹	1.4	1.4 ¹	1.2	0.6 ¹	1.2	0.8 ¹	1.2	0.8 ¹	
Total U.S. Households	96.6	1,283	94.6	419	64.0	177	95.9	177	96.4	124	96.6	455	1.6
Census Region and Division													
Northeast	19.5	1,526	19.1	595	10.9	127	19.3	216	19.4	137	19.5	519	3.7
New England	5.1	1,532	4.9	634	2.1	111	5.0	234	5.1	126	5.1	512	4.9
Middle Atlantic	14.4	1,523	14.2	582	8.8	131	14.3	210	14.3	141	14.4	521	4.3
Midwest	23.3	1,336	23.2	521	16.4	116	23.3	174	23.3	111	23.3	450	3.2
East North Central	16.4	1,358	16.3	533	10.8	117	16.4	174	16.4	115	16.4	461	4.2
West North Central	6.9	1,282	6.9	492	5.6	114	6.9	176	6.9	103	6.9	422	4.2
South	33.5	1,305	32.8	338	29.4	242	33.2	178	33.4	131	33.5	454	2.5
South Atlantic	17.3	1,292	16.8	346	15.0	231	17.1	187	17.3	126	17.3	445	3.7
East South Central	6.0	1,200	5.9	373	5.3	185	5.9	170	6.0	110	6.0	396	3.8
West South Central	10.1	1,391	10.1	304	9.2	291	10.1	167	10.1	152	10.1	504	4.6
West	20.4	953	19.4	263	7.2	128	20.2	142	20.3	116	20.4	402	4.0
Mountain	5.4	1,025	5.3	327	2.1	175	5.3	151	5.4	102	5.4	382	6.5
Pacific	15.0	928	14.1	238	5.1	109	14.9	139	15.0	120	15.0	409	5.0
Largest Populated States													
California	11.1	944	10.6	195	4.4	120	11.1	136	11.1	132	11.1	442	5.5
Florida	5.6	1,182	5.3	165	5.1	281	5.5	162	5.6	141	5.6	466	5.9
New York	6.8	1,577	6.7	590	3.9	128	6.7	224	6.8	149	6.8	552	6.5
Texas	6.4	1,349	6.4	288	5.8	287	6.4	161	6.4	151	6.4	494	6.7
Urban Status													
Urban	75.8	1,275	74.4	405	50.3	183	75.3	173	75.7	128	75.8	456	1.8
Central City	30.6	1,156	29.9	374	18.9	168	30.4	166	30.5	122	30.6	399	2.0
Suburban	45.2	1,356	44.6	426	31.3	191	44.9	177	45.1	132	45.2	494	1.6
Rural	20.8	1,312	20.2	471	13.7	157	20.6	193	20.8	110	20.8	452	2.8
Climate Zone ²													
Under 2,000 CDD and													
Over 7,000 HDD	8.7	1,254	8.5	517	4.0	64	8.6	193	8.7	91	8.7	437	9.3
5,500 to 7,000 HDD	26.5	1,356	26.3	543	15.5	108	26.4	185	26.5	115	26.5	455	5.2
4,000 to 5,499 HDD	22.4	1,361	22.1	488	16.0	160	22.2	189	22.3	123	22.4	456	5.8
Under 4,000 HDD	17.8	1,107	17.2	292	10.3	179	17.7	160	17.8	128	17.8	434	5.7
2,000 CDD or More and													
Under 4,000 HDD	21.2	1,268	20.5	253	18.1	275	21.0	162	21.1	147	21.2	479	4.4
Type of Housing Unit													
Single-Family	66.8	1,442	65.5	479	45.1	197	66.3	182	66.7	134	66.8	524	1.5
Detached	59.5	1,464	58.3	488	39.9	198	59.0	183	59.4	135	59.5	535	1.7
Attached	7.3	1,266	7.2	403	5.2	183	7.3	174	7.3	129	7.3	437	6.1
Mobile Home	5.6	1,203	5.4	357	3.7	221	5.5	200	5.6	99	5.6	412	5.9
Multifamily	24.2	863	23.6	269	15.1	108	24.1	158	24.2	102	24.2	275	3.2
2 to 4 Units	8.0	1,112	7.9	454	3.9	110	8.0	179	8.0	107	8.0	326	5.1
5 or More Units	16.2	740	15.8	177	11.2	107	16.1	147	16.2	99	16.2	250	4.1
Heated Floorspace (square feet)													
Fewer than 1,000	29.3	876	28.1	275	17.2	119	28.9	155	29.2	103	29.3	287	2.5
1,000 to 1,999	40.2	1,286	39.6	397	27.4	183	40.0	178	40.1	125	40.2	468	2.0
2,000 to 2,999	17.8	1,622	17.7	561	12.8	205	17.8	196	17.8	142	17.8	582	2.7
3,000 or More	9.3	1,901	9.2	685	6.6	249	9.2	208	9.3	153	9.3	685	4.7
Total Number of Rooms (Excluding Bathrooms)													
1 or 2	3.2	574	3.0	166	1.6	82	3.1	122	3.2	83	3.2	178	8.1
3 to 5	47.3	1,033	46.2	325	30.4	140	47.0	164	47.2	111	47.3	352	1.9
6 to 8	40.2	1,529	39.7	509	27.7	206	40.0	191	40.2	137	40.2	557	2.1
9 or More	5.8	2,008	5.7	691	4.3	290	5.8	214	5.8	169	5.8	736	6.2

See footnotes at end of table.

Table 5.13. Expenditures by End Uses, per U.S. Household, 1993 (Continued)

Characteristics	All Uses		Space Heating		Air Conditioning		Water Heating		Refrigerators		Appliances		RSE Row Factors
	Households (million)	Expenditures (dollars)	Households (million)	Expenditures (dollars)	Households (million)	Expenditures (dollars)	Households (million)	Expenditures (dollars)	Households (million)	Expenditures (dollars)	Households (million)	Expenditures (dollars)	
RSE Column Factors:	1.2	0.6	1.1	0.9 ¹	1.4	1.4 ¹	1.2	0.6 ¹	1.2	0.8 ¹	1.2	0.8 ¹	
Ownership of Unit													
Owned	63.2	1,458	62.0	484	44.3	199	62.9	182	63.2	135	63.2	526	1.5
Rented	33.4	953	32.6	296	19.7	128	33.1	167	33.3	104	33.4	320	2.5
Public Housing	3.4	753	3.4	228	2.2	79	3.4	151	3.4	89	3.4	239	8.9
Not Public Housing	30.0	976	29.2	303	17.5	134	29.7	169	29.8	106	30.0	329	2.8
Rent Subsidy	2.0	905	1.9	317	1.1	97	2.0	155	2.0	97	2.0	299	9.3
No Rent Subsidy	28.0	981	27.3	303	16.4	137	27.7	170	27.9	106	28.0	332	3.0
Year of Construction													
1939 or Before	20.3	1,327	19.7	566	9.9	112	20.1	178	20.3	116	20.3	431	3.6
1940 to 1949	6.9	1,242	6.8	450	3.8	132	6.9	166	6.9	126	6.9	437	5.2
1950 to 1959	13.1	1,387	12.8	450	8.4	182	13.0	173	13.1	142	13.1	515	4.3
1960 to 1969	15.0	1,257	14.7	410	10.6	175	14.9	164	15.0	129	15.0	441	3.7
1970 to 1979	18.1	1,222	17.7	352	12.4	188	18.0	179	18.1	125	18.1	451	3.3
1980 to 1984	8.5	1,247	8.3	306	6.7	217	8.5	184	8.5	131	8.5	460	4.3
1985 to 1987	5.5	1,284	5.5	320	4.7	223	5.5	190	5.5	118	5.5	466	6.0
1988 to 1990	4.7	1,322	4.6	356	3.8	201	4.7	204	4.7	111	4.7	494	5.5
1991 to 1993 ³	4.5	1,200	4.5	338	3.8	197	4.5	180	4.5	96	4.5	419	7.7
All Utilities Paid by Household													
Yes	82.9	1,356	81.3	442	56.4	189	82.5	182	82.8	128	82.9	484	1.6
No	13.7	843	13.3	278	7.6	88	13.5	150	13.6	99	13.7	278	3.8
1993 Family Income													
Less than \$5,000	4.0	994	4.0	330	2.4	134	4.0	164	4.0	110	4.0	321	6.1
\$5,000 to \$9,999	10.6	980	10.2	372	6.1	113	10.3	144	10.5	111	10.6	302	4.1
\$10,000 to \$14,999	11.1	1,051	10.8	374	6.3	118	11.1	159	11.1	112	11.1	350	3.5
\$15,000 to \$19,999	9.6	1,163	9.3	410	6.0	151	9.6	164	9.6	114	9.6	394	3.9
\$20,000 to \$24,999	8.7	1,182	8.6	401	5.5	159	8.7	164	8.7	115	8.7	409	3.6
\$25,000 to \$34,999	14.1	1,302	13.8	423	9.7	179	14.0	178	14.0	123	14.1	461	3.1
\$35,000 to \$49,999	17.5	1,379	17.1	419	12.4	191	17.4	193	17.4	126	17.5	514	2.7
\$50,000 to \$74,999	12.6	1,493	12.4	457	9.1	214	12.6	199	12.6	136	12.6	555	2.9
\$75,000 or More	8.3	1,809	8.2	546	6.5	269	8.3	209	8.3	166	8.3	687	4.8
Below Poverty Line													
100 Percent	14.4	1,056	13.9	349	7.9	127	14.1	178	14.3	112	14.4	364	3.5
125 Percent	19.4	1,078	18.7	359	11.0	126	19.0	178	19.3	113	19.4	372	3.0
150 Percent	24.7	1,094	23.9	363	14.4	133	24.4	179	24.6	114	24.7	375	2.6
Eligible for Federal Assistance⁴													
.....	30.6	1,098	29.7	381	17.7	128	30.3	172	30.6	114	30.6	371	2.2
Age of Householder													
Under 25 Years	5.7	956	5.6	293	3.2	150	5.6	177	5.7	97	5.7	315	5.8
25 to 34 Years	19.9	1,187	19.5	363	13.3	167	19.8	193	19.9	106	19.9	423	2.5
35 to 44 Years	21.4	1,380	21.0	395	14.2	202	21.3	207	21.3	123	21.4	528	2.2
45 to 59 Years	21.9	1,429	21.3	446	14.7	212	21.7	194	21.9	136	21.9	521	2.7
60 Years and Over	27.7	1,229	27.3	483	18.5	142	27.5	129	27.7	134	27.7	398	2.3
Education of Householder													
Less than 13 Years	51.5	1,227	50.2	411	32.5	154	51.0	177	51.4	121	51.5	432	1.7
13 to 16 Years	33.6	1,330	33.1	419	23.3	198	33.4	180	33.6	126	33.6	476	2.0
17 Years or More	11.5	1,394	11.3	456	8.2	210	11.5	171	11.5	130	11.5	496	3.8
Race of Householder													
White	80.2	1,307	78.8	429	54.5	180	79.7	175	80.1	124	80.2	466	1.8
Black	10.9	1,252	10.7	411	6.7	163	10.8	198	10.9	129	10.9	420	4.6
Other ⁵	5.5	988	5.0	277	2.8	154	5.5	173	5.5	120	5.5	369	5.9

See footnotes at end of table.

Table 5.13. Expenditures by End Uses, per U.S. Household, 1993 (Continued)

Characteristics	All Uses		Space Heating		Air Conditioning		Water Heating		Refrigerators		Appliances		RSE Row Factors
	Households (million)	Expenditures (dollars)	Households (million)	Expenditures (dollars)	Households (million)	Expenditures (dollars)	Households (million)	Expenditures (dollars)	Households (million)	Expenditures (dollars)	Households (million)	Expenditures (dollars)	
RSE Column Factors:	1.2	0.6	1.1	0.9 ¹	1.4	1.4 ¹	1.2	0.6 ¹	1.2	0.8 ¹	1.2	0.8 ¹	

Householder of Hispanic

Descent													
Yes	7.9	1,065	7.4	290	4.3	169	7.8	175	7.9	121	7.9	407	5.3
No	88.7	1,302	87.1	430	59.7	178	88.2	177	88.6	124	88.7	459	1.7

Household Size

1 Person	23.5	906	23.0	371	15.0	120	23.1	102	23.4	109	23.5	257	2.7
2 Persons	31.7	1,253	31.2	427	21.9	173	31.6	160	31.7	129	31.7	425	2.0
3 Persons	16.6	1,416	16.3	436	11.1	201	16.5	208	16.6	128	16.6	519	2.7
4 Persons	14.6	1,561	14.4	448	9.9	211	14.6	235	14.6	127	14.6	614	2.5
5 Persons	6.8	1,588	6.5	433	4.3	226	6.7	257	6.8	126	6.8	645	4.0
6 or More Persons	3.5	1,708	3.2	449	1.9	249	3.5	285	3.5	147	3.5	728	7.6

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

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

³ Does not include all new construction for 1993.

⁴ Below 150 percent of poverty line or 60 percent of median State income.

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

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. • Consumption and Expenditure data are for major energy sources which include: electricity, natural gas, fuel oil, kerosene, and liquefied petroleum gas. • 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-H of the 1993 Residential Energy Consumption Survey (for specific titles of forms, see Appendix E).