

Table 5.1. Consumption and Expenditures in U.S. Households, 1993

Characteristics	Average of Major Energy Sources ¹											RSE Row Factors
	Residential Buildings			Consumption				Expenditures (dollars)				
	Total Households (million)	Total Number (million)	Total Floor-space (billion sq. ft.)	per Building (million Btu)	per Square Foot (thousand Btu)	per Household (million Btu)	per Household Member (million Btu)	per Building	per Square Foot	per Household	per Household Member	
RSE Column Factors:	1.4	1.4	1.4	1.0	0.8	1.0	1.0	0.9	0.8	0.8	0.8	
Total U.S. Households	96.6	76.5	181.2	131	55	103.6	40	1,620	0.68	1,282	491	1.3
Census Region and Division												
Northeast	19.5	13.8	40.1	173	60	122.4	47	2,157	.74	1,526	583	2.4
New England	5.1	3.7	10.6	168	59	123.1	48	2,094	.73	1,532	598	4.1
Middle Atlantic	14.4	10.1	29.4	175	60	122.1	46	2,181	.75	1,523	578	2.9
Midwest	23.3	19.0	50.6	165	62	134.3	52	1,640	.62	1,336	521	2.3
East North Central	16.4	13.1	35.3	173	64	138.8	54	1,697	.63	1,358	526	2.5
West North Central	6.9	5.9	15.2	146	56	123.8	49	1,512	.58	1,282	508	4.6
South	33.5	28.4	57.1	104	52	87.9	34	1,540	.76	1,304	503	2.5
South Atlantic	17.4	14.2	29.9	95	45	77.8	31	1,577	.75	1,288	506	3.5
East South Central	6.0	5.5	10.8	104	53	94.9	37	1,315	.67	1,200	463	4.3
West South Central	10.1	8.7	16.5	118	62	101.1	38	1,619	.86	1,391	522	4.6
West	20.4	15.4	33.5	101	46	76.0	28	1,263	.58	953	353	2.6
Mountain	5.4	4.4	9.3	118	57	98.1	38	1,236	.59	1,025	396	4.3
Pacific	15.0	10.9	24.2	94	42	68.2	25	1,274	.58	928	338	3.3
Largest Populated States												
California	11.1	8.0	17.9	91	41	65.2	23	1,313	.59	944	330	3.5
Florida	5.6	4.3	9.3	67	31	52.1	20	1,527	.71	1,180	453	5.7
New York	6.8	3.7	12.8	225	64	121.2	45	2,925	.84	1,577	590	4.7
Texas	6.4	5.4	10.8	114	57	94.7	36	1,622	.81	1,349	506	6.2
Urban Status												
Urban	75.8	57.2	140.5	137	56	103.2	39	1,689	.69	1,275	488	1.5
Central City	30.6	19.8	47.1	151	63	97.6	38	1,785	.75	1,155	455	2.4
Suburban	45.2	37.4	93.4	129	52	107.0	40	1,639	.66	1,356	509	1.7
Rural	20.8	19.3	40.7	113	54	104.7	40	1,415	.67	1,309	501	2.6
Climate Zone ²												
Under 2,000 CDD and Over 7,000 HDD	8.7	7.6	19.3	142	56	124.0	48	1,434	.57	1,254	481	4.8
5,500 to 7,000 HDD	26.5	20.4	55.2	168	62	129.2	51	1,762	.65	1,356	534	3.6
4,000 to 5,499 HDD	22.5	17.0	44.0	143	55	108.3	42	1,796	.69	1,359	521	4.4
Under 4,000 HDD	17.8	13.9	28.5	101	49	78.5	29	1,419	.69	1,107	408	4.9
2,000 CDD or More and Under 4,000 HDD	21.2	17.6	34.2	95	49	79.0	30	1,525	.79	1,267	482	3.8
Type of Housing Unit												
Single-Family	66.8	66.8	152.2	119	52	118.5	43	1,441	.63	1,441	517	1.4
Detached	59.5	59.5	139.1	121	52	121.2	43	1,462	.63	1,462	520	1.5
Attached	7.3	7.3	13.1	96	53	96.3	37	1,266	.70	1,266	487	4.7
Mobile Home	5.6	5.6	5.4	82	84	81.9	31	1,203	1.23	1,203	454	4.3
Multifamily	24.2	4.1	23.6	398	69	67.3	32	5,108	.89	863	406	3.0
2 to 4 Units	8.0	2.9	9.6	276	83	99.5	41	3,085	.93	1,112	461	4.4
5 or More Units	16.2	1.2	14.0	692	60	51.5	26	9,951	.86	740	373	3.7
Heated Floorspace (square feet)												
Fewer than 1,000	29.3	15.3	24.2	128	81	66.7	31	1,675	1.06	875	411	2.3
1,000 to 1,999	40.2	34.6	68.2	117	59	100.7	37	1,492	.76	1,286	473	1.6
2,000 to 2,999	17.8	17.4	48.6	140	50	136.6	47	1,661	.60	1,622	552	2.1
3,000 or More	9.3	9.1	40.3	172	39	168.8	55	1,936	.44	1,901	620	3.6

See footnotes at end of table.

Table 5.1. Consumption and Expenditures in U.S. Households, 1993 (Continued)

Characteristics	Average of Major Energy Sources ¹											RSE Row Factors
	Residential Buildings			Consumption				Expenditures (dollars)				
	Total Households (million)	Total Number (million)	Total Floor-space (billion sq. ft.)	per Building (million Btu)	per Square Foot (thousand Btu)	per Household (million Btu)	per Household Member (million Btu)	per Building	per Square Foot	per Household	per Household Member	
RSE Column Factors:	1.4	1.4	1.4	1.0	0.8	1.0	1.0	0.9	0.8	0.8	0.8	
Total Number of Rooms (Excluding Bathrooms)												
1 or 2	3.2	0.7	1.7	195	78	41.3	29	2,702	1.08	574	409	7.9
3 to 5	47.4	31.0	59.6	122	63	79.6	35	1,578	.82	1,032	451	1.8
6 to 8	40.2	39.1	97.7	130	52	126.3	42	1,572	.63	1,529	514	1.6
9 or More	5.8	5.7	22.1	179	46	175.5	51	2,050	.53	2,008	588	4.6
Ownership of Unit												
Owned	63.2	60.8	143.5	123	52	118.5	44	1,514	.64	1,457	537	1.4
Rented	33.4	15.7	37.7	161	67	75.2	31	2,033	.84	953	393	2.3
Public Housing	3.4	.8	2.9	263	69	58.2	27	3,396	.89	753	350	8.5
Not Public Housing	30.0	14.9	34.8	155	67	77.2	31	1,963	.84	976	397	2.5
Rent Subsidy	2.0	.7	2.2	214	70	75.8	33	2,552	.84	905	390	8.2
No Rent Subsidy	28.0	14.2	32.6	152	66	77.3	31	1,934	.84	981	397	2.6
Year of Construction												
1939 or Before	20.4	16.0	40.6	164	65	129.4	51	1,682	.66	1,325	525	2.7
1940 to 1949	6.9	5.9	11.6	132	67	111.8	45	1,463	.74	1,240	496	3.7
1950 to 1959	13.1	11.7	24.7	128	60	114.1	41	1,555	.73	1,387	495	3.6
1960 to 1969	15.0	11.3	27.2	136	57	102.9	43	1,665	.69	1,257	522	3.1
1970 to 1979	18.1	13.1	31.7	122	50	87.9	34	1,694	.70	1,222	472	2.9
1980 to 1984	8.5	6.5	14.7	105	46	80.3	30	1,632	.72	1,247	459	3.6
1985 to 1987	5.5	4.3	10.8	108	44	85.2	30	1,631	.66	1,284	459	4.8
1988 to 1990	4.7	4.0	10.0	106	43	90.4	31	1,544	.62	1,322	452	4.3
1991 to 1993 ³	4.5	3.7	10.0	108	40	88.9	33	1,455	.53	1,200	448	6.0
All Utilities Paid by Household												
Yes	82.9	73.1	168.8	123	53	108.3	40	1,536	.67	1,356	503	1.3
No	13.8	3.3	12.4	309	83	75.2	36	3,453	.93	840	397	3.8
1993 Family Income												
Less than \$5,000	4.1	2.3	4.6	139	71	79.8	35	1,724	.88	991	433	5.5
\$5,000 to \$9,999	10.6	6.9	12.9	125	67	81.4	43	1,502	.80	977	511	3.5
\$10,000 to \$14,999	11.1	7.8	16.0	128	62	89.7	38	1,502	.73	1,051	446	3.5
\$15,000 to \$19,999	9.6	7.5	15.4	128	62	99.2	41	1,498	.73	1,163	478	3.6
\$20,000 to \$24,999	8.7	6.8	14.4	125	59	96.6	41	1,526	.72	1,182	501	3.2
\$25,000 to \$34,999	14.1	11.5	26.4	127	55	103.5	39	1,592	.69	1,302	493	2.8
\$35,000 to \$49,999	17.5	14.6	37.5	130	51	108.5	38	1,648	.64	1,379	477	2.3
\$50,000 to \$74,999	12.6	11.5	29.9	131	50	119.2	38	1,638	.63	1,493	478	2.5
\$75,000 or More	8.3	7.6	24.3	153	48	139.9	45	1,983	.62	1,809	588	3.7
Below Poverty Line												
100 Percent	14.4	9.3	17.7	133	70	85.8	31	1,631	.86	1,055	377	3.1
125 Percent	19.4	13.1	25.0	130	68	87.8	32	1,592	.83	1,078	388	2.6
150 Percent	24.8	16.9	32.8	129	67	88.6	32	1,595	.82	1,092	395	2.3
Eligible for Federal Assistance ⁴												
	30.7	21.1	42.5	132	65	90.7	35	1,595	.79	1,096	419	2.2
Age of Householder												
Under 25 Years	5.7	3.0	6.4	143	67	75.4	30	1,810	.85	956	377	5.7
25 to 34 Years	19.9	14.0	31.8	136	60	95.4	32	1,690	.74	1,187	394	2.4
35 to 44 Years	21.4	18.0	42.8	126	53	105.9	32	1,640	.69	1,380	417	2.1
45 to 59 Years	21.9	18.8	46.5	132	53	113.5	43	1,663	.67	1,429	546	2.2
60 Years and Over	27.8	22.7	53.7	129	55	105.6	59	1,500	.63	1,227	681	2.1

See footnotes at end of table.

Table 5.1. Consumption and Expenditures in U.S. Households, 1993 (Continued)

Characteristics	Residential Buildings			Average of Major Energy Sources ¹								RSE Row Factors
				Consumption				Expenditures (dollars)				
	Total Households (million)	Total Number (million)	Total Floor-space (billion sq. ft.)	per Building (million Btu)	per Square Foot (thousand Btu)	per Household (million Btu)	per Household Member (million Btu)	per Building	per Square Foot	per Household	per Household Member	
RSE Column Factors:	1.4	1.4	1.4	1.0	0.8	1.0	1.0	0.9	0.8	0.8	0.8	
Education of Householder												
12 Years or Fewer	51.5	41.0	85.6	126	61	100.6	38	1,540	0.74	1,226	463	1.6
13 to 16 Years	33.6	26.6	69.1	133	51	105.0	40	1,681	.65	1,330	512	1.9
17 Years or More	11.5	8.9	26.5	146	49	112.4	45	1,808	.61	1,394	556	3.0
Race of Householder												
White	80.2	66.2	158.6	128	53	105.3	41	1,584	.66	1,307	513	1.4
Black	10.9	7.0	15.2	167	77	106.7	39	1,956	.90	1,250	461	4.0
Other ⁵	5.5	3.3	7.4	121	55	72.7	22	1,642	.74	988	295	5.3
Householder of Hispanic Descent												
Yes	7.9	5.2	11.2	123	57	81.2	25	1,612	.75	1,065	332	4.5
No	88.7	71.3	170.1	131	55	105.5	41	1,621	.68	1,302	508	1.3
Household Size												
1 Person	23.5	14.8	32.1	122	56	76.7	77	1,437	.66	904	904	2.5
2 Persons	31.7	25.8	61.9	124	52	101.3	51	1,540	.64	1,253	626	1.8
3 Persons	16.6	13.9	32.3	135	58	112.9	38	1,693	.73	1,416	472	2.2
4 Persons	14.6	13.0	32.4	140	56	125.2	31	1,750	.70	1,561	390	2.0
5 Persons	6.8	6.1	15.0	136	55	122.3	24	1,770	.72	1,588	318	3.2
6 or More Persons	3.5	3.0	7.5	158	62	133.9	20	2,012	.79	1,708	251	6.7

¹ Major Energy Sources include: electricity, natural gas, fuel oil, kerosene, and liquefied petroleum gas.

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 1.7 million 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. • 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-G of the 1993 Residential Energy Consumption Survey (for specific titles of forms, see Appendix E).

Table 5.2. Total Consumption in U.S. Households, 1993

Characteristics	Major Energy Sources ¹ (quad-rillion Btu)	Electricity			Natural Gas		Fuel Oil		Kerosene		Liquefied Petroleum Gas		RSE Row Factors
		Primary (quad-rillion Btu)	Site		(quad-rillion Btu)	(bil-lion cubic feet)	(quad-rillion Btu)	(bil-lion gal-lons)	(quad-rillion Btu)	(bil-lion gal-lons)	(quad-rillion Btu)	(bil-lion gal-lons)	
			(quad-rillion Btu)	(bil-lion kWh)									
RSE Column Factors:	0.4	0.4	0.4	0.4	0.7	0.7	1.3	1.3	2.8	2.8	2.0	2.0	
Total U.S. Households	10.01	9.89	3.28	962	5.27	5,131	1.02	7.38	0.05	0.34	0.38	4.16	4.8
Census Region and Division													
Northeast	2.38	1.42	.47	138	1.11	1,081	.76	5.46	.02	.15	.03	.28	10.7
New England .....	.62	.37	.12	36	.19	184	.29	2.10	.01	.06	.01	.15	14.9
Middle Atlantic	1.76	1.05	.35	102	.92	897	.47	3.36	.01	.08	.01	.13	13.8
Midwest	3.13	2.23	.74	217	2.07	2,013	.13	.92	Q	Q	.19	2.04	10.0
East North Central	2.27	1.50	.50	146	1.59	1,549	.07	.51	Q	Q	.10	1.13	11.6
West North Central .....	.86	.74	.24	72	.48	463	.06	.41	Q	Q	.08	.91	16.8
South	2.95	4.54	1.51	442	1.18	1,149	.11	.77	.02	.15	.13	1.43	7.8
South Atlantic	1.35	2.25	.75	219	.42	409	.10	.72	.02	.13	.07	.73	9.3
East South Central .....	.57	.90	.30	88	.22	217	Q	Q	Q	Q	.04	.41	16.2
West South Central	1.02	1.39	.46	135	.54	523	NC	NC	Q	Q	.03	.29	13.7
West	1.55	1.70	.56	166	.91	888	.03	.23	Q	Q	.04	.41	10.6
Mountain .....	.53	.50	.17	49	.33	317	Q	Q	Q	Q	.03	.30	13.8
Pacific	1.02	1.20	.40	117	.59	571	.03	.19	Q	Q	.01	.11	12.7
Largest Populated States													
California .....	.73	.68	.22	66	.49	478	Q	Q	Q	Q	.01	.07	8.8
Florida .....	.29	.76	.25	74	.02	18	Q	Q	Q	Q	.01	.14	19.8
New York .....	.82	.40	.13	39	.42	411	.25	1.83	Q	Q	Q	Q	22.9
Texas .....	.61	.88	.29	86	.30	295	NC	NC	Q	Q	.02	.17	20.1
Urban Status													
Urban	7.82	7.33	2.43	713	4.47	4,351	.78	5.59	.02	.16	.12	1.32	5.9
Central City	2.99	2.51	.83	244	1.93	1,876	.20	1.45	.01	.05	.02	.17	9.1
Suburban	4.84	4.82	1.60	469	2.54	2,475	.57	4.14	.01	.11	.11	1.15	6.6
Rural	2.18	2.57	.85	250	.80	779	.25	1.79	.02	.18	.26	2.84	9.4
Climate Zone²													
Under 2,000 CDD and Over 7,000 HDD	1.08	.82	.27	80	.52	506	.20	1.48	.01	.08	.07	.77	25.1
5,500 to 7,000 HDD	3.42	2.38	.79	232	2.14	2,083	.37	2.64	.01	.08	.11	1.23	17.8
4,000 to 5,499 HDD	2.43	2.33	.77	226	1.16	1,133	.42	3.02	.01	.07	.07	.76	16.6
Under 4,000 HDD	1.40	1.64	.54	159	.75	733	.03	.21	.01	.08	.06	.67	22.4
2,000 CDD or More and Under 4,000 HDD	1.68	2.72	.90	265	.70	677	Q	Q	.01	.04	.07	.73	15.9
Type of Housing Unit													
Single-Family	7.92	7.77	2.58	756	4.17	4,060	.83	6.02	.03	.19	.30	3.31	5.8
Detached	7.21	7.04	2.34	685	3.77	3,666	.78	5.65	.03	.19	.30	3.27	6.2
Attached .....	.70	.73	.24	71	.41	394	.05	.37	(*)	.01	Q	Q	17.7
Mobile Home .....	.46	.64	.21	63	.14	132	.02	.13	.02	.13	.07	.79	17.0
Multifamily	1.63	1.48	.49	144	.97	939	.17	1.23	(*)	.02	.01	.06	12.3
2 to 4 Units .....	.80	.50	.17	49	.54	523	.09	.64	(*)	.01	(*)	.04	17.3
5 or More Units .....	.83	.97	.32	95	.43	416	.08	.59	Q	Q	Q	Q	13.4
Heated Floorspace (square feet)													
Fewer than 1,000	1.96	2.06	.68	200	1.02	992	.14	.99	.02	.18	.09	.99	7.3
1,000 to 1,999	4.05	4.29	1.43	418	2.11	2,056	.35	2.52	.02	.12	.14	1.56	6.9
2,000 to 2,999	2.44	2.23	.74	217	1.29	1,254	.32	2.34	(*)	.02	.08	.88	9.0
3,000 or More	1.57	1.31	.43	127	.85	828	.21	1.53	Q	Q	.07	.73	12.6
Total Number of Rooms (Excluding Bathrooms)													
1 or 2 .....	.13	.13	.04	13	.07	69	.02	.13	Q	Q	Q	Q	23.4
3 to 5	3.77	4.00	1.33	389	1.92	1,866	.33	2.39	.03	.25	.16	1.76	6.5
6 to 8	5.08	4.91	1.63	478	2.71	2,634	.54	3.87	.01	.09	.19	2.09	7.3
9 or More	1.02	.85	.28	83	.58	561	.14	.99	(*)	(*)	.03	.30	15.6

See footnotes at end of table.

Table 5.2. Total Consumption in U.S. Households, 1993 (Continued)

Characteristics	Major Energy Sources ¹ (quad-rillion Btu)	Electricity			Natural Gas		Fuel Oil		Kerosene		Liquefied Petroleum Gas		RSE Row Factors
		Primary	Site		(quad-rillion Btu)	(bil-lion cubic feet)	(quad-rillion Btu)	(bil-lion gal-lons)	(quad-rillion Btu)	(bil-lion gal-lons)	(quad-rillion Btu)	(bil-lion gal-lons)	
		(quad-ril-lion Btu)	(quad-ril-lion Btu)	(bil-lion kWh)									
RSE Column Factors:	0.4	0.4	0.4	0.4	0.7	0.7	1.3	1.3	2.8	2.8	2.0	2.0	
Ownership of Unit													
Owned	7.49	7.43	2.47	723	3.86	3,755	0.81	5.88	0.03	0.23	0.32	3.50	5.7
Rented	2.52	2.46	.82	240	1.41	1,376	.21	1.50	.01	.11	.06	.66	7.2
Public Housing .....	.20	.22	.07	21	.12	114	.01	.06	Q	Q	Q	Q	24.2
Not Public Housing	2.32	2.25	.75	218	1.30	1,261	.20	1.44	.01	.10	.06	.65	7.6
Rent Subsidy .....	.15	.12	.04	12	.09	89	.02	.12	Q	Q	Q	Q	20.4
No Rent Subsidy	2.16	2.12	.71	207	1.21	1,172	.18	1.32	.01	.10	.06	.62	8.1
Year of Construction													
1939 or Before	2.63	1.54	.51	150	1.55	1,507	.43	3.12	.01	.10	.13	1.39	9.3
1940 to 1949 .....	.77	.61	.20	59	.44	424	.10	.74	(*)	.03	.03	.32	15.3
1950 to 1959	1.49	1.27	.42	123	.85	824	.19	1.37	(*)	.03	.03	.31	12.5
1960 to 1969	1.55	1.46	.49	142	.90	872	.11	.76	.01	.04	.05	.58	12.1
1970 to 1979	1.59	2.15	.71	209	.69	667	.12	.88	.01	.09	.06	.69	10.0
1980 to 1984 .....	.68	1.06	.35	103	.29	278	.02	.15	(*)	.02	.02	.19	13.8
1985 to 1987 .....	.47	.69	.23	67	.20	195	.02	.12	(*)	.01	.02	.23	16.9
1988 to 1990 .....	.43	.62	.21	60	.18	173	.02	.14	Q	Q	.02	.21	18.2
1991 to 1993 ³ .....	.40	.50	.16	48	.20	190	.01	.10	Q	Q	.02	.25	22.4
All Utilities Paid by Household													
Yes	8.97	9.25	3.07	900	4.62	4,493	.88	6.33	.04	.32	.36	3.97	5.3
No	1.03	.64	.21	62	.66	638	.15	1.05	(*)	.02	.02	.19	12.4
1993 Family Income													
Less than \$5,000 .....	.32	.29	.10	28	.18	175	.03	.21	(*)	.02	.02	.17	18.9
\$5,000 to \$9,999 .....	.86	.78	.26	76	.48	465	.08	.55	.01	.05	.04	.47	11.9
\$10,000 to \$14,999	1.00	.86	.29	84	.58	561	.09	.66	.01	.06	.04	.38	10.6
\$15,000 to \$19,999 .....	.95	.89	.30	87	.52	508	.09	.63	.01	.08	.04	.43	13.0
\$20,000 to \$24,999 .....	.84	.85	.28	83	.43	422	.08	.59	(*)	.03	.04	.46	11.9
\$25,000 to \$34,999	1.45	1.53	.51	149	.70	682	.16	1.16	.01	.04	.08	.84	10.4
\$35,000 to \$49,999	1.90	1.97	.65	191	.96	937	.21	1.51	(*)	.03	.07	.73	8.6
\$50,000 to \$74,999	1.51	1.56	.52	152	.78	755	.17	1.21	(*)	.01	.04	.47	9.9
\$75,000 or More	1.17	1.15	.38	112	.64	626	.12	.86	Q	Q	.02	.21	14.5
Below Poverty Line													
100 Percent	1.23	1.15	.38	112	.68	666	.09	.68	.01	.09	.06	.66	10.5
125 Percent	1.70	1.60	.53	156	.93	902	.14	1.00	.02	.12	.09	.96	9.5
150 Percent	2.19	2.12	.70	207	1.19	1,156	.18	1.31	.02	.14	.10	1.12	8.6
Eligible for Federal Assistance⁴													
	2.78	2.56	.85	249	1.54	1,498	.25	1.83	.02	.18	.12	1.28	7.7
Age of Householder													
Under 25 Years .....	.43	.47	.16	46	.24	231	.02	.17	(*)	.02	.01	.12	17.5
25 to 34 Years	1.90	1.91	.63	186	1.05	1,025	.14	1.01	.01	.07	.06	.66	9.1
35 to 44 Years	2.27	2.46	.82	239	1.15	1,121	.21	1.52	.01	.09	.07	.81	7.9
45 to 59 Years	2.48	2.57	.85	250	1.25	1,213	.26	1.89	.01	.07	.11	1.18	8.2
60 Years and Over	2.93	2.48	.82	241	1.58	1,541	.39	2.79	.01	.09	.13	1.40	8.6
Education of Householder													
12 Years or Fewer	5.18	5.02	1.67	488	2.69	2,620	.53	3.79	.03	.26	.26	2.87	6.0
13 to 16 Years	3.53	3.66	1.21	356	1.85	1,795	.36	2.60	.01	.07	.10	1.10	6.7
17 Years or More	1.29	1.21	.40	118	.74	715	.14	.99	Q	Q	.02	.19	11.9
Race of Householder													
White	8.44	8.55	2.84	832	4.28	4,159	.93	6.68	.04	.27	.36	3.97	5.5
Black	1.16	.94	.31	91	.76	740	.07	.50	.01	.06	.01	.15	14.4
Other ⁵ .....	.40	.40	.13	39	.24	231	.03	.20	Q	Q	(*)	.04	17.0

See footnotes at end of table.

Table 5.2. Total Consumption in U.S. Households, 1993 (Continued)

Characteristics	Major Energy Sources ¹ (quadrillion Btu)	Electricity			Natural Gas		Fuel Oil		Kerosene		Liquefied Petroleum Gas		RSE Row Factors
		Primary	Site		(quadrillion Btu)	(billion cubic feet)	(quadrillion Btu)	(billion gallons)	(quadrillion Btu)	(billion gallons)	(quadrillion Btu)	(billion gallons)	
		(quadrillion Btu)	(quadrillion Btu)	(billion kWh)									
RSE Column Factors:	0.4	0.4	0.4	0.4	0.7	0.7	1.3	1.3	2.8	2.8	2.0	2.0	

Householder of Hispanic

Descent													
Yes	0.64	0.61	0.20	59	0.35	342	0.07	0.53	Q	Q	0.01	0.13	16.1
No	9.37	9.28	3.08	903	4.92	4,788	.95	6.85	0.04	0.33	.37	4.03	5.2

Household Size

1 Person	1.80	1.56	.52	152	1.02	989	.20	1.43	.01	.08	.06	.66	8.0
2 Persons	3.21	3.25	1.08	316	1.64	1,592	.33	2.41	.01	.10	.14	1.58	7.8
3 Persons	1.87	1.85	.61	180	.98	958	.20	1.45	.01	.07	.06	.71	8.9
4 Persons	1.83	1.85	.61	180	.98	958	.17	1.21	.01	.04	.06	.62	8.0
5 Persons .....	.83	.91	.30	89	.40	391	.08	.55	.01	.04	.04	.45	12.9
6 or More Persons .....	.47	.47	.16	46	.25	243	.05	.33	Q	Q	.01	.14	16.9

¹ Major Energy Sources include: electricity, natural gas, fuel oil, kerosene, and liquefied petroleum gas.

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.

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

NC = No cases in sample.

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. • Site electricity is the amount of electricity delivered to households. Primary electricity, which is not included in the "Major Energy Sources" category, is site electricity plus the conversion losses in the electric generation process at the utility plant. • 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-G of the 1993 Residential Energy Consumption Survey (for specific titles of forms, see Appendix E).

Table 5.3. Total Expenditures in U.S. Households, 1993
(Billion Dollars)

Characteristics	Major Energy Sources ¹	Electricity	Natural Gas	Fuel Oil	Kerosene	Liquefied Petroleum Gas	RSE Row Factors
RSE Column Factors:	0.4	0.4	0.7	1.4	3.0	2.0	
Total U.S. Households	123.91	81.08	32.04	6.61	0.37	3.81	4.6
Census Region and Division							
Northeast	29.72	15.76	8.60	4.85	.15	.35	9.5
New England	7.77	4.04	1.59	1.89	.07	.17	13.7
Middle Atlantic	21.95	11.72	7.00	2.96	.09	.18	12.3
Midwest	31.12	17.55	11.13	.79	.05	1.59	10.1
East North Central	22.21	12.21	8.62	.44	Q	.90	11.3
West North Central	8.91	5.34	2.52	.34	Q	.70	14.2
South	43.67	34.08	7.24	.73	.17	1.46	7.7
South Atlantic	22.37	17.70	3.01	.69	.14	.83	10.4
East South Central	7.20	5.50	1.26	Q	Q	.38	13.8
West South Central	14.09	10.88	2.97	NC	Q	.24	12.6
West	19.41	13.69	5.07	.24	Q	.41	9.1
Mountain	5.49	3.63	1.57	Q	Q	.26	10.4
Pacific	13.91	10.06	3.50	.20	Q	.15	11.5
Largest Populated States							
California	10.50	7.39	2.99	Q	Q	.10	9.1
Florida	6.58	6.16	.16	Q	Q	.20	18.6
New York	10.73	5.43	3.54	1.59	.06	.11	19.7
Texas	8.70	6.88	1.68	NC	Q	.14	20.3
Urban Status							
Urban	96.61	62.50	27.59	5.03	.18	1.32	5.5
Central City	35.34	21.65	12.25	1.19	.06	.19	8.0
Suburban	61.27	40.85	15.34	3.83	.12	1.13	6.3
Rural	27.30	18.58	4.44	1.58	.19	2.50	9.1
Climate Zone ²							
Under 2,000 CDD and Over 7,000 HDD	10.90	6.06	2.80	1.29	.08	.67	24.9
5,500 to 7,000 HDD	35.93	19.91	12.52	2.39	.09	1.03	16.9
4,000 to 5,499 HDD	30.51	19.10	7.94	2.71	.07	.69	15.2
Under 4,000 HDD	19.70	14.09	4.67	.19	.09	.68	20.5
2,000 CDD or More and Under 4,000 HDD	26.87	21.92	4.10	Q	.05	.76	14.6
Type of Housing Unit							
Single-Family	96.27	62.66	24.87	5.54	.22	2.99	5.7
Detached	87.02	56.44	22.23	5.20	.21	2.95	5.9
Attached	9.25	6.22	2.65	.34	.01	Q	16.3
Mobile Home	6.71	4.93	.76	.12	.14	.76	16.5
Multifamily	20.93	13.48	6.40	.95	.02	.07	11.7
2 to 4 Units	8.92	4.72	3.56	.58	.01	.04	16.0
5 or More Units	12.01	8.76	2.84	.37	Q	Q	12.2
Heated Floorspace (square feet)							
Fewer than 1,000	25.65	17.20	6.48	.79	.20	.98	7.0
1,000 to 1,999	51.68	34.97	12.84	2.28	.13	1.45	6.8
2,000 to 2,999	28.93	18.23	7.74	2.14	.02	.80	8.9
3,000 or More	17.66	10.68	4.97	1.40	Q	.59	12.2
Total Number of Rooms (Excluding Bathrooms)							
1 or 2	1.84	1.21	.51	.10	Q	Q	21.0
3 to 5	48.88	33.01	11.89	2.03	.27	1.68	6.3
6 to 8	61.46	39.73	16.21	3.56	.10	1.86	7.1
9 or More	11.73	7.13	3.42	.91	.01	.27	15.7
Ownership of Unit							
Owned	92.07	60.10	23.15	5.40	.26	3.16	5.4
Rented	31.84	20.98	8.88	1.21	.12	.65	7.0
Public Housing	2.59	1.80	.74	.04	Q	Q	22.8
Not Public Housing	29.25	19.19	8.14	1.17	.11	.64	7.5
Rent Subsidy	1.80	1.08	.61	.09	Q	Q	20.7
No Rent Subsidy	27.45	18.11	7.54	1.08	.11	.62	7.9

See footnotes at end of table.

Table 5.3. Total Expenditures in U.S. Households, 1993 (Continued)
(Billion Dollars)

Characteristics	Major Energy Sources ¹	Electricity	Natural Gas	Fuel Oil	Kerosene	Liquefied Petroleum Gas	RSE Row Factors
RSE Column Factors:	0.4	0.4	0.7	1.4	3.0	2.0	
Year of Construction							
1939 or Before	26.97	13.34	9.60	2.75	0.11	1.18	9.1
1940 to 1949	8.56	4.91	2.70	.64	.03	.29	14.8
1950 to 1959	18.12	11.22	5.28	1.28	.03	.30	13.6
1960 to 1969	18.89	12.26	5.35	.69	.04	.55	11.9
1970 to 1979	22.18	16.74	3.92	.78	.09	.64	9.7
1980 to 1984	10.55	8.48	1.73	.13	.03	.18	13.3
1985 to 1987	7.05	5.47	1.22	.11	.01	.23	16.8
1988 to 1990	6.23	4.81	1.05	.13	Q	.22	17.6
1991 to 1993 ³	5.36	3.85	1.19	.09	Q	.23	22.0
All Utilities Paid by Household							
Yes	112.36	74.75	27.81	5.82	.35	3.64	5.1
No	11.55	6.33	4.23	.79	.03	.18	11.2
1993 Family Income							
Less than \$5,000	4.02	2.52	1.14	.18	.02	.16	17.9
\$5,000 to \$9,999	10.34	6.42	2.94	.47	.06	.45	11.2
\$10,000 to \$14,999	11.69	7.17	3.51	.58	.06	.37	10.2
\$15,000 to \$19,999	11.20	7.08	3.08	.55	.09	.40	12.5
\$20,000 to \$24,999	10.34	6.75	2.62	.51	.03	.42	11.8
\$25,000 to \$34,999	18.29	12.24	4.20	1.05	.05	.76	10.4
\$35,000 to \$49,999	24.07	16.18	5.87	1.36	.03	.64	8.1
\$50,000 to \$74,999	18.85	12.66	4.66	1.11	.02	.41	9.2
\$75,000 or More	15.10	10.06	4.02	.81	Q	.20	14.7
Below Poverty Line							
100 Percent	15.18	9.61	4.26	.57	.09	.64	9.9
125 Percent	20.88	13.26	5.75	.84	.13	.91	8.9
150 Percent	27.03	17.39	7.32	1.11	.15	1.07	8.2
Eligible for Federal Assistance ⁴							
	33.62	21.15	9.48	1.57	.19	1.23	7.5
Age of Householder							
Under 25 Years	5.46	3.77	1.41	.15	.02	.11	17.2
25 to 34 Years	23.64	15.68	6.39	.87	.08	.62	8.8
35 to 44 Years	29.51	20.17	7.09	1.37	.10	.78	7.6
45 to 59 Years	31.22	20.86	7.51	1.71	.08	1.06	8.0
60 Years and Over	34.09	20.59	9.64	2.51	.09	1.25	8.3
Education of Householder							
12 Years or Fewer	63.15	40.63	16.30	3.32	.28	2.63	5.7
13 to 16 Years	44.70	30.08	11.17	2.37	.07	1.01	6.4
17 Years or More	16.06	10.37	4.57	.92	Q	.17	11.5
Race of Householder							
White	104.81	69.20	25.69	6.02	.29	3.60	5.0
Black	13.63	8.17	4.79	.43	.07	.16	14.5
Other ⁵	5.47	3.71	1.55	.16	Q	.05	16.6
Householder of Hispanic Descent							
Yes	8.41	5.56	2.28	.42	Q	.14	15.3
No	115.50	75.51	29.76	6.19	.36	3.67	5.0

See footnotes at end of table.

Table 5.3. Total Expenditures in U.S. Households, 1993 (Continued)
(Billion Dollars)

Characteristics	Major Energy Sources ¹	Electricity	Natural Gas	Fuel Oil	Kerosene	Liquefied Petroleum Gas	
RSE Column Factors:	0.4	0.4	0.7	1.4	3.0	2.0	RSE Row Factors
Household Size							
1 Person	21.26	13.11	6.18	1.29	0.08	0.60	7.4
2 Persons	39.71	26.15	9.85	2.15	.12	1.45	7.2
3 Persons	23.47	15.30	6.12	1.31	.08	.66	8.7
4 Persons	22.78	15.12	5.94	1.09	.05	.58	7.8
5 Persons	10.74	7.40	2.42	.48	.05	.40	12.6
6 or More Persons	5.94	3.99	1.52	.29	Q	.13	18.1

¹ Major Energy Sources include: electricity, natural gas, fuel oil, kerosene, and liquefied petroleum gas.

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.

NC = No cases in sample.

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-G of the 1993 Residential Energy Consumption Survey (for specific titles of forms, see Appendix E).

Table 5.4. Electricity Consumption and Expenditures in U.S. Households, 1993

Characteristics	Households Using Electricity (million)	Average per Household					Expenditures (cents per kWh)	RSE Row Factors
		Consumption			Expenditures (dollars)	Floorspace (square feet)		
		Primary	Site					
		(million Btu)	(million Btu)	(kWh)				
RSE Column Factors:	1.4	1.1	1.1	1.1	1.0	0.8	0.6	
Total U.S. Households	96.6	102.4	34.0	9,965	840	1,876	8.4	1.5
Census Region and Division								
Northeast	19.5	72.7	24.1	7,071	809	2,056	11.4	3.9
New England	5.1	72.5	24.1	7,049	797	2,101	11.3	3.7
Middle Atlantic	14.4	72.8	24.2	7,078	814	2,041	11.5	5.0
Midwest	23.3	95.9	31.8	9,327	753	2,170	8.1	3.8
East North Central	16.4	91.6	30.4	8,906	747	2,160	8.4	4.7
West North Central	6.9	106.1	35.2	10,319	769	2,194	7.5	5.5
South	33.4	135.8	45.1	13,212	1,019	1,707	7.7	2.2
South Atlantic	17.3	130.0	43.1	12,642	1,023	1,724	8.1	2.5
East South Central	6.0	150.8	50.0	14,666	917	1,796	6.2	4.5
West South Central	10.1	137.0	45.5	13,323	1,074	1,626	8.1	5.2
West	20.4	83.6	27.7	8,131	672	1,644	8.3	3.0
Mountain	5.4	93.9	31.2	9,130	677	1,730	7.4	5.8
Pacific	15.0	79.9	26.5	7,775	671	1,613	8.6	3.6
Largest Populated States								
California	11.1	60.9	20.2	5,924	664	1,609	11.2	3.3
Florida	5.6	136.6	45.3	13,287	1,107	1,667	8.3	4.4
New York	6.8	59.2	19.7	5,763	799	1,888	13.9	8.9
Texas	6.4	136.6	45.3	13,289	1,067	1,668	8.0	6.5
Urban Status								
Urban	75.8	96.7	32.1	9,407	825	1,854	8.8	1.8
Central City	30.6	82.1	27.2	7,986	708	1,540	8.9	2.4
Suburban	45.2	106.6	35.4	10,368	904	2,067	8.7	1.6
Rural	20.8	123.4	40.9	12,000	894	1,954	7.4	2.8
Climate Zone ¹								
Under 2,000 CDD and Over 7,000 HDD	8.7	94.7	31.4	9,209	697	2,218	7.6	4.8
5,500 to 7,000 HDD	26.5	90.0	29.9	8,758	752	2,085	8.6	4.7
4,000 to 5,499 HDD	22.4	103.8	34.4	10,096	852	1,963	8.4	3.2
Under 4,000 HDD	17.8	92.1	30.6	8,954	792	1,603	8.8	4.8
2,000 CDD or More and Under 4,000 HDD	21.2	128.4	42.6	12,495	1,035	1,612	8.3	3.2
Type of Housing Unit								
Single-Family	66.7	116.5	38.7	11,328	939	2,279	8.3	1.5
Detached	59.4	118.5	39.3	11,528	950	2,338	8.2	1.5
Attached	7.3	99.8	33.1	9,704	852	1,799	8.8	5.1
Mobile Home	5.6	115.6	38.4	11,241	884	975	7.9	4.3
Multifamily	24.2	60.9	20.2	5,919	556	972	9.4	2.8
2 to 4 Units	8.0	62.8	20.8	6,105	588	1,198	9.6	4.4
5 or More Units	16.2	59.9	19.9	5,827	540	861	9.3	3.6
Heated Floorspace (square feet)								
Fewer than 1,000	29.3	70.3	23.3	6,835	587	826	8.6	1.9
1,000 to 1,999	40.2	106.9	35.5	10,402	871	1,697	8.4	1.9
2,000 to 2,999	17.8	125.1	41.5	12,165	1,022	2,722	8.4	2.2
3,000 or More	9.3	141.0	46.8	13,717	1,150	4,335	8.4	3.1
Total Number of Rooms (Excluding Bathrooms)								
1 or 2	3.2	40.6	13.5	3,947	377	531	9.6	6.9
3 to 5	47.3	84.4	28.0	8,213	698	1,259	8.5	1.8
6 to 8	40.2	122.3	40.6	11,895	988	2,431	8.3	1.7
9 or More	5.8	145.8	48.4	14,187	1,220	3,791	8.6	4.2

See footnotes at end of table.

Table 5.4. Electricity Consumption and Expenditures in U.S. Households, 1993 (Continued)

Characteristics	Average per Household						Expenditures (cents per kWh)	RSE Row Factors
	Households Using Electricity (million)	Consumption			Expenditures (dollars)	Floorspace (square feet)		
		Primary	Site					
		(million Btu)	(million Btu)	(kWh)				
RSE Column Factors:	1.4	1.1	1.1	1.1	1.0	0.8	0.6	
Ownership of Unit								
Owned	63.2	117.6	39.0	11,443	951	2,272	8.3	1.4
Rented	33.4	73.7	24.5	7,170	628	1,127	8.8	2.1
Public Housing	3.4	63.0	20.9	6,133	523	842	8.5	7.0
Not Public Housing	30.0	74.9	24.9	7,289	640	1,160	8.8	2.2
Rent Subsidy	2.0	60.7	20.2	5,908	541	1,082	9.2	7.1
No Rent Subsidy	28.0	75.9	25.2	7,387	647	1,166	8.8	2.3
Year of Construction								
1939 or Before	20.3	76.0	25.2	7,396	657	1,995	8.9	2.8
1940 to 1949	6.9	88.0	29.2	8,564	712	1,676	8.3	4.1
1950 to 1959	13.1	97.1	32.2	9,447	859	1,890	9.1	3.0
1960 to 1969	15.0	97.5	32.3	9,480	816	1,811	8.6	3.1
1970 to 1979	18.1	118.3	39.3	11,509	923	1,746	8.0	2.8
1980 to 1984	8.5	125.4	41.6	12,203	1,002	1,740	8.2	3.4
1985 to 1987	5.5	124.9	41.4	12,146	997	1,959	8.2	3.8
1988 to 1990	4.7	131.2	43.5	12,759	1,020	2,118	8.0	3.7
1991 to 1993 ²	4.5	111.1	36.9	10,805	861	2,244	8.0	5.5
All Electricity Paid by Household								
Yes	90.3	105.6	35.1	10,275	865	1,946	8.4	1.5
No	6.3	56.6	18.8	5,503	480	869	8.7	6.0
1993 Family Income								
Less than \$5,000	4.0	72.4	24.0	7,044	622	1,124	8.8	5.2
\$5,000 to \$9,999	10.6	73.9	24.5	7,187	608	1,218	8.5	3.5
\$10,000 to \$14,999	11.1	77.4	25.7	7,531	645	1,437	8.6	2.9
\$15,000 to \$19,999	9.6	92.6	30.7	9,006	736	1,596	8.2	3.1
\$20,000 to \$24,999	8.7	97.5	32.3	9,480	772	1,644	8.1	3.3
\$25,000 to \$34,999	14.1	109.1	36.2	10,611	871	1,879	8.2	2.3
\$35,000 to \$49,999	17.4	112.8	37.5	10,976	928	2,146	8.5	2.4
\$50,000 to \$74,999	12.6	123.5	41.0	12,016	1,002	2,368	8.3	2.5
\$75,000 or More	8.3	138.3	45.9	13,449	1,205	2,911	9.0	3.6
Below Poverty Line								
100 Percent	14.4	80.1	26.6	7,793	669	1,228	8.6	3.1
125 Percent	19.4	82.8	27.5	8,056	685	1,293	8.5	2.8
150 Percent	24.7	86.0	28.5	8,366	704	1,326	8.4	2.5
Eligible for Federal Assistance ³								
	30.6	83.5	27.7	8,122	691	1,388	8.5	2.1
Age of Householder								
Under 25 Years	5.7	82.3	27.3	8,010	660	1,129	8.2	4.6
25 to 34 Years	19.9	96.0	31.9	9,340	788	1,596	8.4	2.2
35 to 44 Years	21.4	115.2	38.2	11,201	944	2,002	8.4	1.9
45 to 59 Years	21.9	117.7	39.1	11,450	955	2,127	8.3	2.2
60 Years and Over	27.7	89.4	29.7	8,693	742	1,936	8.5	2.1
Education of Householder								
12 Years or Fewer	51.5	97.6	32.4	9,491	790	1,662	8.3	1.7
13 to 16 Years	33.6	108.9	36.2	10,596	895	2,057	8.4	1.8
17 Years or More	11.5	105.3	34.9	10,241	901	2,303	8.8	3.0
Race of Householder								
White	80.1	106.7	35.4	10,383	863	1,979	8.3	1.6
Black	10.9	86.1	28.6	8,374	750	1,395	9.0	3.2
Other ⁵	5.5	72.3	24.0	7,036	670	1,333	9.5	4.7

See footnotes at end of table.

Table 5.4. Electricity Consumption and Expenditures in U.S. Households, 1993 (Continued)

Characteristics	Households Using Electricity (million)	Average per Household					Expenditures (cents per kWh)	RSE Row Factors
		Consumption			Expenditures (dollars)	Floorspace (square feet)		
		Primary	Site					
		(million Btu)	(million Btu)	(kWh)				
RSE Column Factors:	1.4	1.1	1.1	1.1	1.0	0.8	0.6	
Householder of Hispanic Descent								
Yes	7.9	77.1	25.6	7,497	704	1,412	9.4	3.8
No	88.7	104.7	34.8	10,185	852	1,917	8.4	1.5
Household Size								
1 Person	23.5	66.6	22.1	6,476	559	1,367	8.6	2.6
2 Persons	31.7	102.6	34.1	9,982	825	1,954	8.3	1.9
3 Persons	16.6	111.4	37.0	10,838	923	1,950	8.5	2.2
4 Persons	14.6	126.6	42.0	12,311	1,036	2,220	8.4	2.1
5 Persons	6.8	134.8	44.7	13,110	1,094	2,213	8.3	3.0
6 or More Persons	3.5	136.3	45.2	13,258	1,154	2,152	8.7	6.1

¹ Climate zones are based on annual degree-days that are averaged over 30 years from 1961 to 1990.

² Does not include all new construction for 1993.

³ 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. • Site electricity is the amount of electricity delivered to households. Primary electricity is site electricity plus the conversion losses in the electric generation process at the utility plant. • 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 5.5. Natural Gas Consumption and Expenditures in U.S. Households, 1993

Characteristics	Households Using Natural Gas (million)	Average per Household				Expenditures (dollars per thousand cf)	RSE Row Factors
		Consumption		Expenditures (dollars)	Floorspace (square feet)		
		(million Btu)	(thousand cf)				
RSE Column Factors:	1.8	1.0	1.0	1.0	0.9	0.5	
Total U.S. Households	58.7	89.9	87.5	546	1,908	6.2	1.7
Census Region and Division							
Northeast	12.2	90.9	88.4	703	1,906	8.0	3.8
New England	2.2	85.7	83.4	722	1,903	8.7	5.8
Middle Atlantic	10.0	92.0	89.5	699	1,906	7.8	4.4
Midwest	17.5	118.4	115.1	637	2,152	5.5	2.1
East North Central	13.3	119.3	116.1	646	2,114	5.6	2.2
West North Central	4.1	115.2	112.0	609	2,274	5.4	5.1
South	14.7	80.1	77.9	491	1,796	6.3	3.7
South Atlantic	5.4	78.0	75.8	557	1,836	7.3	4.5
East South Central	2.4	92.8	90.2	524	2,064	5.8	9.1
West South Central	6.9	77.4	75.3	428	1,671	5.7	5.8
West	14.2	64.3	62.5	357	1,726	5.7	2.9
Mountain	3.7	89.1	86.7	429	1,805	4.9	5.1
Pacific	10.5	55.7	54.2	332	1,699	6.1	3.1
Largest Populated States							
California	9.6	51.0	49.6	311	1,635	6.3	3.2
Florida .....	.5	38.0	37.0	322	1,692	8.7	12.4
New York	5.2	80.9	78.7	677	1,759	8.6	8.3
Texas	4.2	72.1	70.1	400	1,713	5.7	9.0
Urban Status							
Urban	50.8	88.0	85.6	543	1,877	6.3	1.8
Central City	22.8	84.6	82.3	537	1,599	6.5	2.9
Suburban	28.0	90.7	88.3	547	2,104	6.2	2.2
Rural	7.8	102.6	99.8	569	2,106	5.7	4.6
Climate Zone ¹							
Under 2,000 CDD and							
Over 7,000 HDD	4.5	115.0	111.9	620	2,292	5.5	5.1
5,500 to 7,000 HDD	18.8	114.1	111.0	667	2,070	6.0	2.7
4,000 to 5,499 HDD	13.0	89.9	87.5	613	1,967	7.0	4.9
Under 4,000 HDD	12.2	61.9	60.3	384	1,685	6.4	4.8
2,000 CDD or More and							
Under 4,000 HDD	10.3	67.8	65.9	400	1,634	6.1	4.7
Type of Housing Unit							
Single-Family	41.4	100.8	98.1	601	2,295	6.1	1.7
Detached	36.7	102.8	100.0	606	2,345	6.1	1.8
Attached	4.7	85.4	83.1	558	1,901	6.7	4.5
Mobile Home	1.8	73.3	71.3	411	996	5.8	5.7
Multifamily	15.4	62.7	60.9	416	978	6.8	3.4
2 to 4 Units	5.6	96.4	93.8	639	1,241	6.8	4.6
5 or More Units	9.8	43.5	42.3	289	829	6.8	3.7
Heated Floorspace (square feet)							
Fewer than 1,000	17.1	59.7	58.1	379	816	6.5	2.5
1,000 to 1,999	24.5	86.1	83.7	523	1,704	6.2	2.1
2,000 to 2,999	11.1	116.4	113.3	699	2,704	6.2	2.6
3,000 or More	5.9	143.2	139.3	836	4,404	6.0	3.3
Total Number of Rooms (Excluding Bathrooms)							
1 or 2	2.1	33.1	32.2	240	520	7.4	5.6
3 to 5	27.1	70.8	68.8	439	1,248	6.4	2.4
6 to 8	25.4	106.7	103.8	639	2,420	6.2	1.9
9 or More	4.0	143.2	139.3	848	3,861	6.1	4.3

See footnotes at end of table.

Table 5.5. Natural Gas Consumption and Expenditures in U.S. Households, 1993 (Continued)

Characteristics	Households Using Natural Gas (million)	Average per Household				Expenditures (dollars per thousand cf)	RSE Row Factors
		Consumption		Expenditures (dollars)	Floorspace (square feet)		
		(million Btu)	(thousand cf)				
RSE Column Factors:	1.8	1.0	1.0	1.0	0.9	0.5	
Ownership of Unit							
Owned	37.7	102.3	99.5	614	2,327	6.2	1.8
Rented	20.9	67.6	65.7	424	1,152	6.5	2.7
Public Housing	2.0	58.5	56.9	367	871	6.4	7.3
Not Public Housing	18.9	68.5	66.7	431	1,182	6.5	2.9
Rent Subsidy	1.4	63.5	61.8	422	1,094	6.8	8.7
No Rent Subsidy	17.5	68.9	67.1	431	1,190	6.4	3.0
Year of Construction							
1939 or Before	14.8	105.0	102.1	650	1,938	6.4	3.1
1940 to 1949	4.9	88.8	86.4	549	1,637	6.4	4.2
1950 to 1959	9.4	90.4	87.9	563	1,872	6.4	3.5
1960 to 1969	9.9	90.5	88.1	541	1,834	6.1	3.7
1970 to 1979	8.6	79.5	77.3	455	1,817	5.9	3.8
1980 to 1984	4.0	72.1	70.1	435	1,842	6.2	4.7
1985 to 1987	2.6	75.8	73.8	463	2,131	6.3	6.0
1988 to 1990	2.1	84.6	82.3	499	2,499	6.1	5.5
1991 to 1993 ²	2.4	82.5	80.2	502	2,396	6.3	7.9
All Gas Paid by Household							
Yes	48.2	95.6	93.0	578	2,124	6.2	1.8
No	10.5	63.8	62.0	400	912	6.4	4.3
1993 Family Income							
Less than \$5,000	2.4	73.8	71.8	469	1,176	6.5	5.4
\$5,000 to \$9,999	6.5	74.0	72.0	455	1,269	6.3	3.8
\$10,000 to \$14,999	7.1	81.5	79.3	495	1,459	6.2	4.0
\$15,000 to \$19,999	5.8	90.7	88.2	535	1,654	6.1	4.1
\$20,000 to \$24,999	5.1	85.8	83.4	519	1,646	6.2	3.8
\$25,000 to \$34,999	7.8	90.2	87.8	541	1,853	6.2	3.1
\$35,000 to \$49,999	10.4	92.3	89.8	562	2,162	6.3	2.6
\$50,000 to \$74,999	8.0	97.1	94.5	583	2,339	6.2	3.0
\$75,000 or More	5.7	113.6	110.5	708	3,004	6.4	4.5
Below Poverty Line							
100 Percent	8.9	77.3	75.2	481	1,283	6.4	3.8
125 Percent	11.8	78.8	76.6	488	1,328	6.4	3.6
150 Percent	14.9	79.7	77.5	491	1,352	6.3	3.1
Eligible for Federal Assistance ³							
	18.7	82.3	80.1	506	1,416	6.3	2.7
Age of Householder							
Under 25 Years	3.2	75.2	73.1	447	1,267	6.1	6.0
25 to 34 Years	12.6	83.6	81.3	507	1,651	6.2	2.7
35 to 44 Years	13.0	88.5	86.1	545	2,028	6.3	2.6
45 to 59 Years	13.0	96.2	93.6	580	2,171	6.2	2.5
60 Years and Over	16.9	93.6	91.1	569	1,926	6.3	2.6
Education of Householder							
12 Years or Fewer	30.7	87.7	85.3	531	1,663	6.2	2.2
13 to 16 Years	20.2	91.4	88.9	553	2,109	6.2	2.4
17 Years or More	7.8	94.8	92.2	589	2,357	6.4	3.3
Race of Householder							
White	47.0	91.0	88.5	547	2,017	6.2	2.0
Black	7.7	98.9	96.2	622	1,506	6.5	3.9
Other ⁴	4.0	59.8	58.1	391	1,394	6.7	5.1

See footnotes at end of table.

Table 5.5. Natural Gas Consumption and Expenditures in U.S. Households, 1993 (Continued)

Characteristics	Households Using Natural Gas (million)	Average per Household				Expenditures (dollars per thousand cf)	RSE Row Factors
		Consumption		Expenditures (dollars)	Floorspace (square feet)		
		(million Btu)	(thousand cf)				
RSE Column Factors:	1.8	1.0	1.0	1.0	0.9	0.5	
Householder of Hispanic Descent							
Yes	5.8	61.2	59.5	395	1,359	6.6	4.8
No	52.9	93.1	90.5	563	1,968	6.2	1.7
Household Size							
1 Person	14.2	71.8	69.9	437	1,370	6.2	2.8
2 Persons	18.4	88.9	86.5	535	1,984	6.2	2.3
3 Persons	10.3	95.1	92.5	592	1,982	6.4	2.9
4 Persons	9.4	104.7	101.8	632	2,273	6.2	2.9
5 Persons	4.1	98.9	96.2	595	2,304	6.2	3.3
6 or More Persons	2.3	109.5	106.5	667	2,086	6.3	7.8

¹ Climate zones are based on annual degree-days that are averaged over 30 years from 1961 to 1990.

² Does not include all new construction for 1993.

³ Below 150 percent of poverty line or 60 percent of median State income.

⁴ 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 5.6. Fuel Oil Consumption and Expenditures in U.S. Households, 1993

Characteristics	Households Using Fuel Oil (million)	Average per Household				Expenditures (dollars per gallon)	RSE Row Factors
		Consumption		Expenditures (dollars)	Floorspace (square feet)		
		(million Btu)	(gallons)				
RSE Column Factors:	2.1	1.2	1.2	1.3	0.9	0.3	
Total U.S. Households	10.8	94.7	684	612	2,262	0.90	3.3
Census Region and Division							
Northeast	7.4	102.6	740	658	2,218	.89	4.2
New England	2.6	110.1	794	716	2,387	.90	5.7
Middle Atlantic	4.7	98.4	710	625	2,124	.88	5.4
Midwest	1.4	91.6	664	570	2,663	.86	4.7
East North Central .....	.7	94.3	682	592	2,675	.87	7.7
West North Central .....	.6	88.4	642	544	2,648	.85	6.0
South	1.6	67.3	486	464	2,075	.95	6.7
South Atlantic	1.5	67.5	487	465	2,103	.96	7.0
East South Central	Q	Q	Q	Q	Q	Q	NF
West South Central	NC	NC	NC	NC	NC	NC	NC
West .....	.5	71.7	518	520	2,418	1.00	21.7
Mountain	Q	Q	Q	Q	Q	Q	NF
Pacific	Q	69.9	504	511	2,446	1.01	26.9
Largest Populated States							
California	Q	Q	Q	Q	Q	Q	NF
Florida	Q	Q	Q	Q	Q	Q	NF
New York	2.6	95.7	690	601	1,840	.87	7.6
Texas	NC	NC	NC	NC	NC	NC	NF
Urban Status							
Urban	8.2	94.8	683	614	2,194	.90	4.2
Central City	2.7	74.1	534	440	1,548	.82	4.3
Suburban	5.5	105.0	757	701	2,515	.92	5.1
Rural	2.6	94.7	685	607	2,477	.89	3.2
Climate Zone ¹							
Under 2,000 CDD and							
Over 7,000 HDD	2.0	100.4	726	633	2,582	.87	4.7
5,500 to 7,000 HDD	3.4	108.7	785	709	2,530	.90	6.4
4,000 to 5,499 HDD	4.8	87.9	634	569	1,977	.90	5.7
Under 4,000 HDD .....	.4	66.0	476	431	1,805	.91	12.5
2,000 CDD or More and							
Under 4,000 HDD	Q	Q	Q	Q	Q	Q	NF
Type of Housing Unit							
Single-Family	8.0	104.3	753	692	2,666	.92	3.3
Detached	7.4	105.7	763	701	2,706	.92	3.4
Attached .....	.6	86.9	627	571	2,160	.91	10.0
Mobile Home .....	.3	57.0	414	390	789	.94	8.6
Multifamily	2.5	68.6	495	384	1,144	.78	6.5
2 to 4 Units .....	.9	101.6	733	666	1,675	.91	6.1
5 or More Units	1.6	50.7	365	230	854	.63	4.5
Heated Floorspace (square feet)							
Fewer than 1,000	2.4	57.3	414	329	821	.79	4.8
1,000 to 1,999	3.9	89.8	648	588	1,942	.91	3.6
2,000 to 2,999	2.9	112.5	812	742	2,778	.91	3.2
3,000 or More	1.6	129.8	936	857	4,227	.92	5.4
Total Number of Rooms (Excluding Bathrooms)							
1 or 2 .....	.4	46.6	336	272	601	.81	14.8
3 to 5	4.3	76.2	550	467	1,521	.85	4.2
6 to 8	5.1	104.3	752	692	2,721	.92	2.7
9 or More .....	.9	149.1	1076	994	3,887	.92	6.9

See footnotes at end of table.

Table 5.6. Fuel Oil Consumption and Expenditures in U.S. Households, 1993 (Continued)

Characteristics	Households Using Fuel Oil (million)	Average per Household				Expenditures (dollars per gallon)	RSE Row Factors
		Consumption		Expenditures (dollars)	Floorspace (square feet)		
		(million Btu)	(gallons)				
RSE Column Factors:	2.1	1.2	1.2	1.3	0.9	0.3	
Ownership of Unit							
Owned	7.7	105.7	763	701	2,615	0.92	3.2
Rented	3.1	67.4	487	393	1,382	.81	4.7
Public Housing .....	.2	47.6	343	206	1,077	.60	31.5
Not Public Housing	2.9	68.7	496	404	1,401	.82	4.8
Rent Subsidy .....	.2	69.9	505	393	1,085	.78	12.4
No Rent Subsidy	2.7	68.6	495	405	1,430	.82	5.5
Year of Construction							
1939 or Before	4.3	101.5	733	646	2,219	.88	3.8
1940 to 1949	1.2	84.9	613	538	1,853	.88	7.2
1950 to 1959	1.9	102.3	738	691	2,362	.94	7.9
1960 to 1969	1.3	82.2	593	534	2,264	.90	8.6
1970 to 1979	1.4	88.1	636	565	2,354	.89	7.7
1980 to 1984 .....	.3	70.5	508	461	2,372	.91	8.8
1985 to 1987 .....	.2	103.0	742	668	3,124	.90	13.4
1988 to 1990 .....	.2	88.0	635	573	2,423	.90	10.7
1991 to 1993 ² .....	.1	105.4	760	697	3,443	.92	9.7
All Fuel Oil Paid by Household							
Yes	8.6	102.8	742	682	2,577	.92	3.2
No	2.1	62.2	449	331	994	.74	6.0
1993 Family Income							
Less than \$5,000 .....	.4	68.6	495	421	1,439	.85	13.7
\$5,000 to \$9,999 .....	.9	82.1	593	514	1,601	.87	6.5
\$10,000 to \$14,999	1.0	92.8	671	581	1,814	.87	7.9
\$15,000 to \$19,999 .....	.9	94.7	684	600	1,866	.88	7.0
\$20,000 to \$24,999 .....	.9	87.3	630	541	2,021	.86	7.5
\$25,000 to \$34,999	1.7	94.8	684	616	2,376	.90	6.8
\$35,000 to \$49,999	2.4	88.8	640	575	2,388	.90	4.9
\$50,000 to \$74,999	1.6	105.0	757	696	2,665	.92	4.2
\$75,000 or More .....	.9	125.9	907	856	3,166	.94	7.7
Below Poverty Line							
100 Percent	1.3	74.7	539	453	1,595	.84	6.7
125 Percent	1.8	76.5	553	463	1,582	.84	6.3
150 Percent	2.3	79.1	572	487	1,625	.85	5.5
Eligible for Federal Assistance ³							
.....	3.0	84.8	612	527	1,704	.86	5.2
Age of Householder							
Under 25 Years .....	.4	58.9	426	367	1,368	.86	13.2
25 to 34 Years	1.6	89.8	648	555	1,878	.86	5.5
35 to 44 Years	2.4	86.1	621	561	2,336	.90	4.7
45 to 59 Years	2.7	97.4	703	635	2,373	.90	4.4
60 Years and Over	3.7	104.5	754	680	2,391	.90	4.8
Education of Householder							
12 Years or Fewer	6.0	87.6	632	554	2,026	.88	3.3
13 to 16 Years	3.6	99.8	720	656	2,488	.91	4.4
17 Years or More	1.2	115.5	833	774	2,768	.93	7.4
Race of Householder							
White	9.6	96.7	698	628	2,367	.90	3.4
Black .....	.8	83.6	602	528	1,551	.88	8.2
Other ⁴ .....	.4	70.8	511	399	1,180	.78	9.6

See footnotes at end of table.

Table 5.6. Fuel Oil Consumption and Expenditures in U.S. Households, 1993 (Continued)

Characteristics	Households Using Fuel Oil (million)	Average per Household				Expenditures (dollars per gallon)	RSE Row Factors
		Consumption		Expenditures (dollars)	Floorspace (square feet)		
		(million Btu)	(gallons)				
RSE Column Factors:	2.1	1.2	1.2	1.3	0.9	0.3	

Householder of Hispanic Descent

Yes	0.9	79.7	575	456	1,600	0.79	6.8
No	9.9	96.2	694	627	2,324	.90	3.3

Household Size

1 Person	2.4	84.0	607	547	1,717	.90	5.9
2 Persons	3.5	94.8	684	608	2,326	.89	4.6
3 Persons	2.0	100.2	723	654	2,490	.91	4.5
4 Persons	1.7	98.7	712	644	2,438	.90	4.6
5 Persons .....	.8	98.8	712	625	2,412	.88	8.4
6 or More Persons .....	.4	104.5	754	663	2,682	.88	8.9

¹ Climate zones are based on annual degree-days that are averaged over 30 years from 1961 to 1990.

² Does not include all new construction for 1993.

³ Below 150 percent of poverty line or 60 percent of median State income.

⁴ 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 5.7. Kerosene Consumption and Expenditures in U.S. Households, 1993

Characteristics	Households Using Kerosene (million)	Average per Household				Expenditures (dollars per gallon)	RSE Row Factors
		Consumption		Expenditures (dollars)	Floorspace (square feet)		
		(million Btu)	(gallons)				
RSE Column Factors:	1.5	1.7	1.7	1.7	0.7	0.2	
Total U.S. Households	3.6	12.8	95	103	1,854	1.09	7.5
Census Region and Division							
Northeast .....	.8	25.3	187	193	1,771	1.03	10.2
New England .....	.3	34.3	254	262	1,650	1.03	14.2
Middle Atlantic .....	.5	21.0	155	160	1,828	1.03	13.4
Midwest	1.0	6.0	45	54	2,640	1.20	19.3
East North Central .....	.9	6.1	45	54	2,608	1.19	21.7
West North Central .....	.1	5.3	39	48	2,899	1.21	32.4
South	1.8	11.5	85	95	1,512	1.12	9.5
South Atlantic	1.4	12.2	91	101	1,448	1.12	10.5
East South Central .....	.3	Q	Q	Q	1,655	1.08	17.4
West South Central	Q	Q	Q	Q	Q	Q	NF
West	Q	Q	Q	Q	Q	Q	NF
Mountain	Q	Q	Q	Q	Q	Q	NF
Pacific	Q	Q	Q	Q	Q	Q	NF
Largest Populated States							
California	Q	Q	Q	Q	Q	Q	NF
Florida	Q	13.2	98	125	1,090	1.28	30.6
New York .....	.3	25.2	187	197	1,638	1.05	19.1
Texas	Q	Q	Q	Q	Q	Q	NF
Urban Status							
Urban	1.8	11.9	88	98	1,994	1.11	10.7
Central City .....	.5	13.6	101	107	1,476	1.06	14.4
Suburban	1.3	11.3	83	94	2,208	1.13	14.5
Rural	1.8	13.7	101	109	1,710	1.07	10.2
Climate Zone ¹							
Under 2,000 CDD and							
Over 7,000 HDD .....	.4	30.0	222	230	1,843	1.04	13.2
5,500 to 7,000 HDD .....	.9	11.9	88	97	2,616	1.10	17.3
4,000 to 5,499 HDD	1.1	8.6	64	68	1,862	1.07	14.2
Under 4,000 HDD .....	.8	13.7	101	110	1,317	1.09	12.0
2,000 CDD or More and							
Under 4,000 HDD .....	.5	9.9	73	89	1,292	1.21	16.2
Type of Housing Unit							
Single-Family	2.6	9.9	73	81	2,188	1.11	8.8
Detached	2.5	10.2	75	84	2,228	1.11	9.1
Attached .....	.2	Q	Q	Q	1,556	1.09	25.7
Mobile Home .....	.7	26.2	194	207	894	1.07	11.1
Multifamily .....	.3	7.4	55	58	1,109	1.06	15.2
2 to 4 Units .....	.2	5.6	42	44	1,289	1.06	20.7
5 or More Units	Q	Q	Q	Q	Q	Q	NF
Heated Floorspace (square feet)							
Fewer than 1,000	1.2	19.7	146	157	851	1.08	9.2
1,000 to 1,999	1.4	11.2	83	91	1,783	1.09	9.9
2,000 to 2,999 .....	.6	4.6	34	40	2,649	1.16	16.1
3,000 or More .....	.3	Q	Q	Q	4,377	1.10	12.9
Total Number of Rooms (Excluding Bathrooms)							
1 or 2	Q	Q	Q	Q	Q	Q	NF
3 to 5	1.9	17.5	130	139	1,236	1.07	8.6
6 to 8	1.4	8.3	62	69	2,403	1.13	11.2
9 or More .....	.2	2.7	20	25	3,679	1.26	24.3

See footnotes at end of table.

Table 5.7. Kerosene Consumption and Expenditures in U.S. Households, 1993 (Continued)

Characteristics	Households Using Kerosene (million)	Average per Household				Expenditures (dollars per gallon)	RSE Row Factors
		Consumption		Expenditures (dollars)	Floorspace (square feet)		
		(million Btu)	(gallons)				
RSE Column Factors:	1.5	1.7	1.7	1.7	0.7	0.2	
Ownership of Unit							
Owned	2.5	12.4	92	101	2,137	1.10	8.8
Rented	1.1	13.8	102	109	1,186	1.07	11.4
Public Housing	Q	Q	Q	Q	Q	Q	NF
Not Public Housing	1.1	13.2	98	104	1,191	1.07	11.5
Rent Subsidy	Q	Q	Q	Q	Q	Q	NF
No Rent Subsidy	1.0	13.4	99	106	1,196	1.07	11.4
Year of Construction							
1939 or Before	1.1	11.7	86	95	1,994	1.10	11.7
1940 to 1949 .....	.3	13.9	103	107	1,941	1.04	17.7
1950 to 1959 .....	.4	9.6	71	89	1,469	1.25	23.4
1960 to 1969 .....	.7	7.6	56	66	1,998	1.18	16.9
1970 to 1979 .....	.6	19.7	146	150	1,760	1.03	14.5
1980 to 1984 .....	.2	15.2	113	125	1,631	1.11	16.8
1985 to 1987 .....	.2	10.2	76	81	1,725	1.07	17.3
1988 to 1990 .....	.2	21.0	156	160	1,888	1.02	25.5
1991 to 1993 ²	Q	Q	Q	Q	Q	Q	NF
1993 Family Income							
Less than \$5,000 .....	.2	17.7	131	135	1,055	1.03	20.6
\$5,000 to \$9,999 .....	.5	14.6	108	115	1,251	1.07	13.9
\$10,000 to \$14,999 .....	.4	17.9	133	140	1,288	1.06	17.9
\$15,000 to \$19,999 .....	.6	19.2	142	155	1,801	1.09	14.1
\$20,000 to \$24,999 .....	.3	15.5	115	136	1,288	1.18	22.2
\$25,000 to \$34,999 .....	.5	12.4	92	97	1,531	1.05	20.1
\$35,000 to \$49,999 .....	.5	6.3	46	51	2,297	1.10	12.9
\$50,000 to \$74,999 .....	.4	5.1	37	46	2,960	1.22	17.7
\$75,000 or More .....	.3	Q	Q	Q	3,004	1.19	21.3
Below Poverty Line							
100 Percent .....	.8	15.6	116	123	1,176	1.06	11.3
125 Percent	1.0	15.6	115	125	1,322	1.08	11.0
150 Percent	1.2	15.1	112	120	1,374	1.07	10.4
Eligible for Federal Assistance ³							
.....	1.4	16.8	125	134	1,450	1.07	9.6
Age of Householder							
Under 25 Years .....	.2	11.3	84	87	825	1.03	20.9
25 to 34 Years .....	.6	13.8	103	121	1,602	1.18	15.2
35 to 44 Years	1.0	13.2	98	104	1,805	1.07	10.5
45 to 59 Years	1.0	9.7	72	78	2,093	1.08	14.1
60 Years and Over .....	.7	16.2	120	128	2,134	1.07	14.1
Education of Householder							
12 Years or Fewer	2.5	14.1	105	115	1,642	1.10	8.3
13 to 16 Years .....	.9	10.4	77	82	1,985	1.06	12.3
17 Years or More .....	.3	Q	Q	Q	3,157	1.10	23.7
Race of Householder							
White	3.0	12.1	90	97	1,991	1.07	7.7
Black .....	.5	16.4	121	140	1,164	1.16	17.7
Other ⁴	Q	Q	Q	Q	Q	Q	NF
Householder of Hispanic Descent							
Yes .....	.2	Q	Q	Q	1,879	1.06	33.8
No	3.5	12.9	95	104	1,852	1.09	7.7

See footnotes at end of table.

Table 5.7. Kerosene Consumption and Expenditures in U.S. Households, 1993 (Continued)

Characteristics	Households Using Kerosene (million)	Average per Household				Expenditures (dollars per gallon)	RSE Row Factors
		Consumption		Expenditures (dollars)	Floorspace (square feet)		
		(million Btu)	(gallons)				
RSE Column Factors:	1.5	1.7	1.7	1.7	0.7	0.2	
Household Size							
1 Person	0.6	17.5	130	134	1,317	1.03	12.5
2 Persons	1.1	13.0	96	108	1,819	1.12	12.1
3 Persons .....	.9	10.9	81	90	2,112	1.11	15.8
4 Persons .....	.6	9.4	70	74	2,186	1.06	14.0
5 Persons .....	.4	15.9	118	132	1,739	1.12	16.5
6 or More Persons	Q	Q	Q	Q	Q	Q	NF

¹ Climate zones are based on annual degree-days that are averaged over 30 years from 1961 to 1990.

² Does not include all new construction for 1993.

³ Below 150 percent of poverty line or 60 percent of median State income.

⁴ 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, B, C, and G of the 1993 Residential Energy Consumption Survey (for specific titles of forms, see Appendix E).

Table 5.8. Liquefied Petroleum Gas Consumption and Expenditures in U.S. Households, 1993

Characteristics	Households Using LPG (million)	Average per Household				Expenditures (dollars per gallon)	RSE Row Factors
		Consumption		Expenditures (dollars)	Floorspace (square feet)		
		(million Btu)	(gallons)				
RSE Column Factors:	1.9	1.3	1.3	1.0	0.7	0.5	
Total U.S. Households	8.1	46.8	513	470	1,841	0.92	4.5
Census Region and Division							
Northeast	1.2	20.6	226	286	1,971	1.27	13.7
New England .....	.6	23.8	260	310	1,905	1.19	18.7
Middle Atlantic .....	.7	17.9	196	266	2,026	1.36	15.8
Midwest	2.2	86.0	942	736	2,424	.78	5.0
East North Central	1.1	96.2	1053	834	2,648	.79	8.0
West North Central	1.1	76.0	832	639	2,204	.77	6.6
South	4.0	32.9	360	366	1,532	1.02	5.8
South Atlantic	2.3	28.6	313	355	1,587	1.14	10.1
East South Central .....	.9	40.7	446	411	1,413	.92	7.3
West South Central .....	.7	37.0	405	343	1,508	.85	17.3
West .....	.8	50.2	549	551	1,581	1.00	9.7
Mountain .....	.4	66.4	728	626	1,564	.86	8.6
Pacific .....	.3	29.8	326	458	1,602	1.40	10.9
Largest Populated States							
California .....	.3	26.0	285	401	1,491	1.41	7.8
Florida .....	.8	15.8	173	252	1,589	1.46	11.7
New York .....	.4	21.6	236	298	2,304	1.26	16.5
Texas	Q	32.7	358	294	1,528	.82	27.8
Urban Status							
Urban	3.2	37.5	410	409	1,920	1.00	6.6
Central City .....	.6	26.1	286	320	1,669	1.12	17.4
Suburban	2.6	40.0	438	429	1,976	.98	7.0
Rural	4.9	53.0	580	510	1,789	.88	5.6
Climate Zone ¹							
Under 2,000 CDD and							
Over 7,000 HDD	1.3	53.0	580	504	2,130	.87	10.0
5,500 to 7,000 HDD	1.6	69.5	761	632	2,255	.83	13.7
4,000 to 5,499 HDD	1.3	54.7	599	542	2,069	.91	20.6
Under 4,000 HDD	1.6	38.6	422	429	1,397	1.02	8.5
2,000 CDD or More and							
Under 4,000 HDD	2.3	28.8	316	326	1,564	1.03	9.8
Type of Housing Unit							
Single-Family	6.0	50.5	553	498	2,149	.90	5.2
Detached	5.9	50.6	554	499	2,153	.90	5.2
Attached	Q	Q	Q	Q	Q	Q	NF
Mobile Home	1.9	38.6	423	406	904	.96	7.0
Multifamily .....	.3	20.6	226	278	1,460	1.23	21.0
2 to 4 Units .....	.2	17.0	186	233	1,672	1.25	28.4
5 or More Units	Q	Q	Q	Q	Q	Q	NF
Heated Floorspace (square feet)							
Fewer than 1,000	2.6	34.9	382	380	856	.99	6.7
1,000 to 1,999	3.2	44.6	489	453	1,630	.93	5.6
2,000 to 2,999	1.5	53.5	586	532	2,716	.91	6.5
3,000 or More .....	.8	80.4	880	705	4,144	.80	8.3
Total Number of Rooms (Excluding Bathrooms)							
1 or 2	Q	Q	Q	Q	Q	Q	NF
3 to 5	4.3	37.9	415	394	1,261	.95	6.3
6 to 8	3.4	56.1	615	548	2,403	.89	5.4
9 or More .....	.4	65.0	712	627	3,261	.88	12.3

See footnotes at end of table.

Table 5.8. Liquefied Petroleum Gas Consumption and Expenditures in U.S. Households, 1993 (Continued)

Characteristics	Households Using LPG (million)	Average per Household				Expenditures (dollars per gallon)	RSE Row Factors
		Consumption		Expenditures (dollars)	Floorspace (square feet)		
		(million Btu)	(gallons)				
RSE Column Factors:	1.9	1.3	1.3	1.0	0.7	0.5	
Ownership of Unit							
Owned	6.5	49.1	538	487	1,962	0.91	4.6
Rented	1.6	37.6	412	402	1,353	.98	7.8
Public Housing	Q	Q	Q	Q	Q	Q	NF
Not Public Housing	1.6	37.3	408	399	1,359	.98	7.9
Rent Subsidy	Q	Q	Q	Q	Q	Q	NF
No Rent Subsidy	1.6	36.1	396	390	1,332	.99	8.4
Year of Construction							
1939 or Before	2.2	58.8	644	546	2,260	.85	5.8
1940 to 1949 .....	.6	51.9	569	518	1,573	.91	16.2
1950 to 1959 .....	.8	34.5	377	363	1,532	.96	10.3
1960 to 1969	1.1	46.5	509	486	1,721	.95	9.6
1970 to 1979	1.6	40.4	443	413	1,550	.93	6.2
1980 to 1984 .....	.5	31.9	350	337	1,580	.96	11.8
1985 to 1987 .....	.4	47.5	521	509	1,929	.98	13.2
1988 to 1990 .....	.5	39.0	427	446	1,777	1.04	13.8
1991 to 1993 ² .....	.4	55.2	604	553	2,371	.92	13.6
All LPG Paid by Household							
Yes	7.9	46.7	512	469	1,853	.92	4.6
No .....	.2	49.9	546	505	1,421	.92	15.9
1993 Family Income							
Less than \$5,000 .....	.4	34.5	378	368	1,104	.97	15.9
\$5,000 to \$9,999	1.0	42.3	464	443	1,186	.96	10.1
\$10,000 to \$14,999	1.0	35.5	389	377	1,430	.97	7.2
\$15,000 to \$19,999 .....	.9	44.8	490	456	1,599	.93	10.4
\$20,000 to \$24,999 .....	.9	46.4	508	465	1,617	.92	8.1
\$25,000 to \$34,999	1.6	48.4	530	477	1,910	.90	6.2
\$35,000 to \$49,999	1.2	56.6	620	546	2,394	.88	7.6
\$50,000 to \$74,999 .....	.7	60.7	664	588	2,845	.88	10.4
\$75,000 or More .....	.4	46.4	509	466	2,683	.92	12.9
Below Poverty Line							
100 Percent	1.6	38.6	423	410	1,177	.97	8.6
125 Percent	2.3	38.4	421	397	1,208	.94	7.2
150 Percent	2.7	38.4	420	401	1,259	.95	6.7
Eligible for Federal Assistance ³							
3.0	3.0	38.3	419	404	1,386	.96	6.1
Age of Householder							
Under 25 Years .....	.3	32.6	357	336	893	.94	12.2
25 to 34 Years	1.4	42.6	466	437	1,669	.94	6.4
35 to 44 Years	1.8	41.2	451	433	1,980	.96	7.4
45 to 59 Years	2.1	52.0	569	511	1,914	.90	8.0
60 Years and Over	2.5	50.9	557	499	1,901	.90	7.7
Education of Householder							
12 Years or Fewer	5.7	45.9	502	459	1,636	.91	5.2
13 to 16 Years	2.1	48.4	530	488	2,303	.92	5.2
17 Years or More .....	.3	54.6	598	559	2,523	.93	12.0
Race of Householder							
White	7.4	48.8	535	486	1,893	.91	4.3
Black .....	.6	24.0	263	287	1,174	1.09	10.5
Other ⁴ .....	.1	31.0	340	371	1,779	1.09	26.7

See footnotes at end of table.

Table 5.8. Liquefied Petroleum Gas Consumption and Expenditures in U.S. Households, 1993 (Continued)

Characteristics	Households Using LPG (million)	Average per Household				Expenditures (dollars per gallon)	RSE Row Factors
		Consumption		Expenditures (dollars)	Floorspace (square feet)		
		(million Btu)	(gallons)				
RSE Column Factors:	1.9	1.3	1.3	1.0	0.7	0.5	

Householder of Hispanic Descent

Yes	0.5	25.5	279	307	1,484	1.10	17.8
No	7.7	48.1	527	480	1,862	.91	4.5

Household Size

1 Person	1.5	40.7	445	408	1,315	.92	9.3
2 Persons	2.9	49.6	543	497	1,907	.92	6.9
3 Persons	1.4	45.9	503	468	1,981	.93	8.9
4 Persons	1.2	45.9	503	469	1,983	.93	7.8
5 Persons .....	.8	51.1	560	493	1,964	.88	9.8
6 or More Persons .....	.3	47.0	515	462	2,230	.90	14.3

¹ Climate zones are based on annual degree-days that are averaged over 30 years from 1961 to 1990.

² Does not include all new construction for 1993.

³ Below 150 percent of poverty line or 60 percent of median State income.

⁴ 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, B, C, and D of the 1993 Residential Energy Consumption Survey (for specific titles of forms, see Appendix E).

Table 5.9. Wood Consumption in U.S. Households, December 1992 Through November 1993

Characteristics	Households Using Wood					Wood Used as Main Space-Heating Fuel					RSE Row Fac- tors
	Consumption					Consumption					
	Total		Average per Household			Total		Average per Household			
	House- holds (mil- lions)	(quad- rillion Btu)	(million cords)	(million Btu)	(cords)	House- holds (mil- lions)	(quad- rillion Btu)	(million cords)	(million Btu)	(cords)	
RSE Column Factors:	0.6	1.0	1.0	0.8	0.8	1.1	1.5	1.5	1.0	1.0	
Total U.S. Households	20.4	0.55	27.4	26.8	1.3	3.1	0.25	12.6	81.3	4.1	8.3
Census Region and Division											
Northeast	3.4	.14	7.1	41.1	2.1	.5	.06	3.0	132.3	6.6	20.5
New England	1.1	.05	2.3	44.1	2.2	.2	.02	1.0	105.4	5.3	17.0
Middle Atlantic	2.4	.10	4.8	39.8	2.0	.3	.04	2.0	152.6	7.6	29.2
Midwest	4.1	.11	5.5	27.2	1.4	.4	.05	2.5	129.0	6.4	21.4
East North Central	2.6	.07	3.4	26.2	1.3	.2	.03	1.5	136.9	6.8	27.5
West North Central	1.5	.04	2.1	28.9	1.4	Q	Q	Q	118.7	5.9	29.5
South	7.2	.17	8.7	24.3	1.2	1.1	.07	3.7	64.4	3.2	12.7
South Atlantic	3.9	.09	4.7	24.0	1.2	.7	.04	2.2	66.0	3.3	19.3
East South Central	1.3	.05	2.4	37.5	1.9	.3	.02	1.2	76.2	3.8	17.1
West South Central	2.0	.03	1.7	16.7	.8	.2	.01	.4	38.4	1.9	23.0
West	5.7	.12	6.0	21.2	1.1	1.1	.07	3.4	61.0	3.1	10.2
Mountain	1.3	.03	1.5	23.6	1.2	.2	.01	.7	71.8	3.6	24.3
Pacific	4.4	.09	4.5	20.4	1.0	.9	.05	2.7	58.7	2.9	11.6
Largest Populated States											
California	3.0	.06	3.0	20.0	1.0	.6	.03	1.6	53.5	2.7	14.7
Florida	1.0	Q	Q	10.8	.5	Q	Q	Q	Q	Q	51.8
New York	1.0	.06	2.8	56.7	2.8	.2	Q	Q	179.1	9.0	41.3
Texas	1.3	.01	.7	10.8	.5	Q	Q	Q	Q	Q	25.8
Urban Status											
Urban	15.6	.30	14.8	19.1	1.0	1.2	.10	4.8	79.5	4.0	12.0
Central City	4.0	.05	2.4	12.2	.6	.3	.02	.9	65.0	3.2	19.2
Suburban	11.6	.25	12.4	21.4	1.1	.9	.08	3.9	83.7	4.2	13.0
Rural	4.9	.25	12.6	51.7	2.6	1.9	.16	7.8	82.5	4.1	11.8
Climate Zone ¹											
Under 2,000 CDD and Over 7,000 HDD	2.3	.14	7.0	59.9	3.0	.7	.08	4.1	122.0	6.1	19.5
5,500 to 7,000 HDD	4.5	.11	5.6	24.9	1.2	.3	.04	1.8	111.1	5.6	19.8
4,000 to 5,499 HDD	5.4	.14	6.8	25.5	1.3	.8	.07	3.5	83.7	4.2	18.1
Under 4,000 HDD	4.0	.09	4.6	22.8	1.1	.8	.05	2.5	62.3	3.1	12.7
2,000 CDD or More and Under 4,000 HDD	4.2	.07	3.4	16.0	.8	.5	.02	.8	31.4	1.6	19.1
Type of Housing Unit											
Single-Family	18.8	.51	25.6	27.2	1.4	2.8	.23	11.5	82.1	4.1	8.2
Detached	17.9	.50	25.2	28.1	1.4	2.7	.23	11.4	83.1	4.2	8.3
Attached .....	.9	.01	.4	9.4	.5	Q	Q	Q	Q	Q	27.3
Mobile Home .....	.6	.03	1.3	40.5	2.0	.2	.02	.9	75.3	3.8	31.4
Multifamily .....	.9	.01	.5	10.1	.5	Q	Q	Q	Q	Q	37.3
2 to 4 Units .....	.5	.01	.4	16.2	.8	Q	Q	Q	Q	Q	48.3
5 or More Units .....	.5	(*)	.1	4.0	.2	NC	NC	NC	NC	NC	44.2
Heated Floorspace (square feet)											
Fewer than 1,000	1.4	.05	2.6	38.7	1.9	.6	.04	2.1	76.1	3.8	18.8
1,000 to 1,999	8.5	.22	10.8	25.4	1.3	1.5	.11	5.4	71.9	3.6	10.7
2,000 to 2,999	6.4	.17	8.6	26.8	1.3	.7	.06	3.2	95.3	4.8	13.5
3,000 or More	4.1	.11	5.3	25.9	1.3	.4	.04	1.9	102.0	5.1	16.1

See footnotes at end of table.

Table 5.9. Wood Consumption in U.S. Households, December 1992 Through November 1993 (Continued)

Characteristics	Households Using Wood					Wood Used as Main Space-Heating Fuel					RSE Row Factors
	Households (mil-lions)	Consumption				Households (mil-lions)	Consumption				
		Total		Average per Household			Total		Average per Household		
		(quad-rillion Btu)	(million cords)	(million Btu)	(cords)		(quad-rillion Btu)	(million cords)	(million Btu)	(cords)	
RSE Column Factors:	0.6	1.0	1.0	0.8	0.8	1.1	1.5	1.5	1.0	1.0	

Total Number of Rooms (Excluding Bathrooms)

1 or 2	Q	Q	Q	Q	Q	NC	NC	NC	NC	NC	NF
3 to 5	5.2	0.17	8.7	33.8	1.7	1.3	0.11	5.6	87.6	4.4	12.2
6 to 8	12.8	.31	15.7	24.5	1.2	1.6	.12	5.8	72.1	3.6	11.3
9 or More	2.5	.06	3.0	24.4	1.2	.2	.03	1.3	110.5	5.5	24.5

Ownership of Unit

Owned	17.9	.49	24.4	27.3	1.4	2.7	.22	10.8	81.2	4.1	8.5
Rented	2.5	.06	3.0	23.7	1.2	.4	.04	1.8	81.9	4.1	18.1
Public Housing	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Not Public Housing	2.5	.06	2.9	23.9	1.2	.4	.04	1.8	85.7	4.3	18.0
Rent Subsidy	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
No Rent Subsidy	2.4	.05	2.7	22.7	1.1	.4	.03	1.6	78.1	3.9	16.0

Year of Construction

1939 or Before	2.7	.13	6.7	50.2	2.5	.7	.08	3.8	113.5	5.7	16.9
1940 to 1949	1.2	.03	1.5	26.0	1.3	.2	.01	.7	65.6	3.3	17.4
1950 to 1959	2.7	.07	3.4	24.8	1.2	.4	.03	1.4	65.9	3.3	17.5
1960 to 1969	3.1	.07	3.4	22.2	1.1	.4	.03	1.4	67.9	3.4	16.3
1970 to 1979	4.5	.12	6.1	27.1	1.4	.8	.06	2.8	72.7	3.6	12.8
1980 to 1984	2.1	.07	3.4	31.9	1.6	.3	.04	1.9	112.7	5.6	16.7
1985 to 1987	1.5	.02	1.0	13.6	.7	.1	.01	.3	57.9	2.9	22.7
1988 to 1990	1.5	.02	1.1	14.1	.7	.2	.01	.3	39.1	2.0	24.9
1991 to 1993 ²	1.2	.02	.8	13.8	.7	Q	Q	Q	Q	Q	24.6

1993 Family Income

Less than \$5,000 .....	.3	.01	.7	50.4	2.5	Q	Q	Q	Q	Q	49.1
\$5,000 to \$9,999 .....	.8	.04	1.8	46.2	2.3	.3	.03	1.3	91.5	4.6	25.9
\$10,000 to \$14,999	1.1	.06	2.9	51.8	2.6	.4	.04	2.1	96.0	4.8	17.0
\$15,000 to \$19,999	1.4	.05	2.3	33.0	1.6	.2	.03	1.3	112.4	5.6	26.6
\$20,000 to \$24,999	1.3	.06	2.8	43.1	2.2	.3	.03	1.4	105.2	5.3	19.6
\$25,000 to \$34,999	2.7	.07	3.4	25.9	1.3	.4	.03	1.3	67.8	3.4	15.9
\$35,000 to \$49,999	4.6	.12	5.9	25.9	1.3	.7	.06	2.8	77.3	3.9	15.0
\$50,000 to \$74,999	4.7	.09	4.3	18.2	.9	.4	.03	1.5	70.9	3.5	14.8
\$75,000 or More	3.7	.07	3.3	17.9	.9	.2	.01	.7	62.4	3.1	17.2

Below Poverty Line

100 Percent	1.2	.06	3.2	51.7	2.6	.5	.04	2.0	80.6	4.0	22.1
125 Percent	1.9	.11	5.3	56.6	2.8	.8	.07	3.6	92.6	4.6	18.4
150 Percent	2.6	.13	6.3	48.5	2.4	.9	.08	4.2	91.4	4.6	16.9

Eligible for Federal Assistance ³

Assistance ³	3.3	.15	7.7	47.4	2.4	1.1	.10	5.2	90.5	4.5	14.1
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Age of Householder

Under 25 Years5	.01	.4	16.0	.8	Q	Q	Q	Q	Q	38.9
25 to 34 Years	3.6	.06	3.1	17.5	.9	.4	.03	1.5	66.4	3.3	15.4
35 to 44 Years	5.9	.16	8.0	27.1	1.4	.9	.08	3.9	87.4	4.4	10.7
45 to 59 Years	6.0	.17	8.6	28.4	1.4	1.0	.08	4.0	83.9	4.2	13.9
60 Years and Over	4.5	.15	7.3	32.9	1.6	.7	.06	3.0	81.4	4.1	13.9

See footnotes at end of table.

Table 5.9. Wood Consumption in U.S. Households, December 1992 Through November 1993 (Continued)

Characteristics	Households Using Wood					Wood Used as Main Space-Heating Fuel					RSE Row Factors
	Households (mil- lions)	Consumption				Households (mil- lions)	Consumption				
		Total		Average per Household			Total		Average per Household		
		(quad- rillion Btu)	(million cords)	(million Btu)	(cords)		(quad- rillion Btu)	(million cords)	(million Btu)	(cords)	
RSE Column Factors:	0.6	1.0	1.0	0.8	0.8	1.1	1.5	1.5	1.0	1.0	
Education of Householder											
12 Years or Fewer	8.0	0.30	15.2	38.1	1.9	1.9	0.16	8.1	83.7	4.2	11.7
13 Years or More	12.4	.24	12.1	19.6	1.0	1.2	.09	4.5	77.4	3.9	9.0
Race of Householder											
White	18.9	.53	26.3	27.8	1.4	2.9	.24	12.0	83.8	4.2	8.8
Black .....	.9	.01	.6	13.6	.7	.2	.01	.3	39.7	2.0	24.4
Other ⁴ .....	.6	.01	.5	17.9	.9	Q	Q	Q	Q	Q	41.9
Householder of Hispanic Descent											
Yes .....	.9	.02	.8	17.5	.9	.2	.01	.4	Q	Q	31.1
No	19.5	.53	26.6	27.3	1.4	2.9	.24	12.2	83.0	4.2	8.3
Household Size											
1 Person	2.1	.05	2.7	25.5	1.3	.4	.03	1.3	70.6	3.5	20.5
2 Persons	7.4	.19	9.4	25.7	1.3	1.0	.08	3.8	74.8	3.7	10.6
3 Persons	3.7	.10	5.2	28.3	1.4	.6	.05	2.5	89.2	4.5	17.8
4 Persons	4.6	.11	5.3	23.1	1.2	.6	.05	2.5	83.1	4.2	15.5
5 Persons	1.9	.07	3.4	35.1	1.8	.3	.04	1.9	107.6	5.4	22.1
6 or More Persons .....	.8	.03	1.4	35.7	1.8	.2	.01	.6	62.1	3.1	24.4
Main Heating Fuel											
Natural Gas	8.8	.11	5.5	12.4	.6	--	--	--	--	--	11.4
Electricity	5.4	.09	4.3	15.7	.8	--	--	--	--	--	13.9
Fuel Oil or Kerosene	2.3	.08	4.1	35.2	1.8	--	--	--	--	--	18.7
Wood	3.1	.25	12.6	81.3	4.1	3.1	.25	12.6	81.3	4.1	10.1
Heating Stove	2.4	.19	9.4	79.3	4.0	2.4	.19	9.4	79.3	4.0	10.1
Fireplace .....	.4	.02	1.0	45.4	2.3	.4	.02	1.0	45.4	2.3	22.9
Furnace/Other .....	.3	.04	2.2	151.5	7.6	.3	.04	2.2	151.5	7.6	20.1
LPG .....	.7	.02	.9	26.9	1.3	--	--	--	--	--	31.4
Other	Q	Q	Q	Q	Q	--	--	--	--	--	NF
Secondary Heating Equipment Used											
.....	.8	.08	3.8	89.6	4.5	.7	.07	3.4	99.2	5.0	14.2
Amount of Wood Burned in Past 12 Months											
Less than One-half Cord	9.6	.03	1.5	3.2	.2	Q	Q	Q	Q	Q	5.7
One-half to Less than 1	4.1	.05	2.4	11.7	.6	.4	(*)	.2	12.4	.6	6.3
1 to Less than 2	2.1	.04	2.2	21.8	1.1	.4	.01	.5	24.4	1.2	7.0
2 to 4 Cords	2.7	.15	7.4	54.3	2.7	1.2	.07	3.4	59.7	3.0	6.0
More than 4 Cords	1.7	.28	13.8	164.7	8.2	1.0	.17	8.4	163.5	8.2	10.9

See footnotes at end of table.

Table 5.9. Wood Consumption in U.S. Households, December 1992 Through November 1993 (Continued)

Characteristics	Households Using Wood					Wood Used as Main Space-Heating Fuel					RSE Row Fac- tors
	House- holds (mil- lions)	Consumption				House- holds (mil- lions)	Consumption				
		Total		Average per Household			Total		Average per Household		
		(quad- rillion Btu)	(million cords)	(million Btu)	(cords)		(quad- rillion Btu)	(million cords)	(million Btu)	(cords)	
RSE Column Factors:	0.6	1.0	1.0	0.8	0.8	1.1	1.5	1.5	1.0	1.0	

Purchased Firewood

Yes	6.9	0.24	12.0	34.6	1.7	1.4	0.12	5.8	83.3	4.2	13.0
No	13.2	.31	15.4	23.3	1.2	1.6	.14	6.8	84.7	4.2	8.4

¹ Climate zones are based on annual degree-days that are averaged over 30 years from 1961 to 1990.

² Does not include all new construction for 1993.

³ Below 150 percent of poverty line or 60 percent of median State income.

⁴ Includes some householders who described themselves as Hispanic rather than White, Black, or other.

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

-- = Data 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, and C of the 1993 Residential Energy Consumption Survey (for specific titles of forms, see Appendix E).

Table 5.10. Average Expenditures for Major Energy Sources in U.S. Households, 1993
(Dollars per Million Btu)

Characteristics	Major Energy Sources ¹	Electricity	Natural Gas	Fuel Oil	Kerosene	Liquefied Petroleum Gas	RSE Row Factors
RSE Column Factors:	1.0	0.8	0.8	0.8	1.3	1.7	
Total U.S. Households	12.38	24.69	6.07	6.46	8.08	10.04	1.3
Census Region and Division							
Northeast	12.47	33.55	7.73	6.41	7.64	13.90	2.2
New England	12.45	33.14	8.43	6.51	7.64	13.04	2.8
Middle Atlantic	12.47	33.69	7.59	6.35	7.64	14.86	2.5
Midwest	9.94	23.67	5.38	6.22	8.86	8.55	2.5
East North Central	9.79	24.57	5.41	6.28	8.85	8.67	3.3
West North Central	10.35	21.84	5.29	6.15	8.98	8.41	3.4
South	14.82	22.61	6.13	6.89	8.26	11.13	2.5
South Atlantic	16.55	23.71	7.15	6.90	8.27	12.44	3.0
East South Central	12.64	18.32	5.65	Q	8.00	10.10	4.4
West South Central	13.76	23.62	5.52	NC	Q	9.27	4.3
West	12.54	24.23	5.55	7.24	Q	10.99	3.8
Mountain	10.45	21.72	4.81	Q	Q	9.41	4.6
Pacific	13.61	25.29	5.96	7.31	Q	15.38	3.1
Largest Populated States							
California	14.47	32.86	6.09	Q	Q	15.42	2.2
Florida	22.63	24.41	8.48	Q	9.52	16.00	5.9
New York	13.01	40.62	8.37	6.28	7.79	13.83	3.1
Texas	14.24	23.52	5.54	NC	Q	8.98	5.6
Urban Status							
Urban	12.35	25.70	6.17	6.48	8.21	10.92	1.7
Central City	11.84	25.99	6.35	5.94	7.87	12.28	2.5
Suburban	12.67	25.55	6.03	6.67	8.38	10.72	1.9
Rural	12.50	21.82	5.55	6.41	7.96	9.62	2.3
Climate Zone ²							
Under 2,000 CDD and Over 7,000 HDD	10.11	22.19	5.39	6.31	7.69	9.51	2.7
5,500 to 7,000 HDD	10.50	25.15	5.85	6.52	8.17	9.10	3.5
4,000 to 5,499 HDD	12.54	24.75	6.82	6.47	7.95	9.92	3.7
Under 4,000 HDD	14.10	25.91	6.20	6.53	8.04	11.12	3.8
2,000 CDD or More and Under 4,000 HDD	16.03	24.27	5.90	Q	8.97	11.31	3.2
Type of Housing Unit							
Single-Family	12.16	24.29	5.96	6.63	8.21	9.87	1.4
Detached	12.06	24.14	5.90	6.64	8.22	9.87	1.5
Attached	13.15	25.72	6.53	6.57	8.09	Q	3.4
Mobile Home	14.69	23.06	5.61	6.84	7.91	10.49	3.1
Multifamily	12.82	27.53	6.63	5.60	7.82	13.48	2.4
2 to 4 Units	11.18	28.25	6.62	6.56	7.87	13.70	3.0
5 or More Units	14.39	27.16	6.65	4.54	Q	Q	2.4
Heated Floorspace (square feet)							
Fewer than 1,000	13.12	25.19	6.35	5.74	7.98	10.88	1.9
1,000 to 1,999	12.77	24.54	6.08	6.54	8.11	10.14	1.6
2,000 to 2,999	11.87	24.61	6.00	6.59	8.60	9.95	2.3
3,000 or More	11.27	24.58	5.84	6.60	8.15	8.77	2.5
Total Number of Rooms (Excluding Bathrooms)							
1 or 2	13.88	28.03	7.24	5.82	Q	Q	6.3
3 to 5	12.96	24.89	6.20	6.13	7.96	10.40	1.6
6 to 8	12.10	24.35	5.99	6.64	8.36	9.76	1.7
9 or More	11.45	25.21	5.92	6.66	9.34	9.64	3.2
Ownership of Unit							
Owned	12.29	24.37	6.00	6.63	8.16	9.91	1.5
Rented	12.66	25.67	6.28	5.82	7.89	10.70	1.8
Public Housing	12.94	24.98	6.27	4.34	Q	Q	4.5
Not Public Housing	12.64	25.74	6.28	5.89	7.90	10.70	1.9
Rent Subsidy	11.93	26.82	6.65	5.62	Q	Q	4.6
No Rent Subsidy	12.69	25.68	6.25	5.91	7.90	10.79	1.9

See footnotes at end of table.

Table 5.10. Average Expenditures for Major Energy Sources in U.S. Households, 1993 (Continued)
(Dollars per Million Btu)

Characteristics	Major Energy Sources ¹	Electricity	Natural Gas	Fuel Oil	Kerosene	Liquefied Petroleum Gas	RSE Row Factors
RSE Column Factors:	1.0	0.8	0.8	0.8	1.3	1.7	
Year of Construction							
1939 or Before	10.24	26.03	6.20	6.36	8.15	9.29	2.0
1940 to 1949	11.09	24.36	6.18	6.33	7.68	9.97	2.7
1950 to 1959	12.16	26.66	6.23	6.76	9.25	10.52	2.6
1960 to 1969	12.22	25.22	5.97	6.49	8.76	10.45	2.5
1970 to 1979	13.91	23.49	5.72	6.41	7.60	10.22	2.1
1980 to 1984	15.53	24.07	6.03	6.53	8.20	10.54	3.2
1985 to 1987	15.06	24.05	6.11	6.49	7.96	10.71	2.8
1988 to 1990	14.63	23.42	5.90	6.51	7.58	11.42	3.3
1991 to 1993 ³	13.49	23.35	6.09	6.62	Q	10.02	3.0
All Utilities Paid by Household							
Yes	12.52	24.34	6.02	6.64	8.10	10.03	1.4
No	11.17	29.82	6.45	5.42	7.77	10.09	2.7
1993 Family Income							
Less than \$5,000	12.41	25.89	6.35	6.13	7.65	10.67	3.4
\$5,000 to \$9,999	11.99	24.80	6.16	6.27	7.90	10.47	2.5
\$10,000 to \$14,999	11.72	25.10	6.08	6.26	7.83	10.61	2.3
\$15,000 to \$19,999	11.73	23.94	5.90	6.34	8.07	10.18	2.5
\$20,000 to \$24,999	12.24	23.86	6.05	6.20	8.72	10.03	2.9
\$25,000 to \$34,999	12.58	24.06	5.99	6.50	7.78	9.87	2.0
\$35,000 to \$49,999	12.70	24.78	6.10	6.47	8.11	9.63	1.8
\$50,000 to \$74,999	12.52	24.44	6.00	6.63	9.02	9.69	2.5
\$75,000 or More	12.93	26.25	6.24	6.80	8.85	10.03	3.1
Below Poverty Line							
100 Percent	12.30	25.15	6.22	6.06	7.88	10.61	2.1
125 Percent	12.27	24.91	6.20	6.05	7.99	10.33	2.0
150 Percent	12.32	24.68	6.16	6.15	7.95	10.45	1.9
Eligible for Federal Assistance ⁴							
	12.08	24.94	6.15	6.21	7.95	10.54	1.6
Age of Householder							
Under 25 Years	12.68	24.16	5.95	6.22	7.65	10.30	3.2
25 to 34 Years	12.45	24.72	6.06	6.18	8.72	10.27	2.0
35 to 44 Years	13.02	24.70	6.15	6.52	7.92	10.50	1.7
45 to 59 Years	12.59	24.44	6.03	6.52	8.03	9.82	1.9
60 Years and Over	11.62	25.03	6.08	6.51	7.90	9.81	1.8
Education of Householder							
12 Years or Fewer	12.19	24.38	6.05	6.32	8.12	10.00	1.5
13 to 16 Years	12.67	24.77	6.05	6.58	7.87	10.09	1.4
17 Years or More	12.40	25.77	6.21	6.70	8.13	10.24	2.3
Race of Householder							
White	12.42	24.37	6.01	6.50	7.95	9.94	1.4
Black	11.72	26.26	6.29	6.32	8.57	11.96	2.6
Other ⁵	13.59	27.91	6.54	5.63	Q	11.94	4.1
Householder of Hispanic Descent							
Yes	13.12	27.53	6.46	5.72	7.85	12.07	3.1
No	12.33	24.51	6.05	6.52	8.09	9.97	1.4

See footnotes at end of table.

Table 5.10. Average Expenditures for Major Energy Sources in U.S. Households, 1993 (Continued)
(Dollars per Million Btu)

Characteristics	Major Energy Sources ¹	Electricity	Natural Gas	Fuel Oil	Kerosene	Liquefied Petroleum Gas	
RSE Column Factors:	1.0	0.8	0.8	0.8	1.3	1.7	RSE Row Factors
Household Size							
1 Person	11.79	25.28	6.08	6.51	7.64	10.04	2.0
2 Persons	12.37	24.23	6.02	6.41	8.26	10.02	1.7
3 Persons	12.54	24.95	6.22	6.53	8.25	10.19	2.2
4 Persons	12.47	24.67	6.04	6.52	7.85	10.21	1.8
5 Persons	12.98	24.45	6.02	6.33	8.29	9.65	2.5
6 or More Persons	12.75	25.52	6.09	6.34	Q	9.83	3.8

¹ Major Energy Sources include: electricity, natural gas, fuel oil, kerosene, and liquefied petroleum gas.

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.

NC = No cases in sample.

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-G of the 1993 Residential Energy Consumption Survey (for specific titles of forms, see Appendix E).