

Table 5.26. Total Consumption and Expenditures for Appliances in U.S. Households, 1993

Characteristics	Electricity				Natural Gas				Liquefied Petroleum Gas				RSE Row Factors
	Households (million)	Consumed		Expenditures (billion dollars)	Households (million)	Consumed		Expenditures (billion dollars)	Households (million)	Consumed		Expenditures (billion dollars)	
		(quad- rillion Btu)	(bil- lion kWh)			(quad- rillion Btu)	(bil- lion cubic feet)			(quad- rillion Btu)	(bil- lion gal- lons)		
RSE Column Factors:	0.4	0.5 ¹	0.5 ¹	0.5 ¹	0.8	0.9 ¹	0.9 ¹	0.9 ¹	2.2	2.4 ¹	2.4 ¹	2.4 ¹	
Total U.S. Households	96.6	1.63	476	41.55	37.8	0.29	282	1.98	4.9	0.03	0.32	0.42	3.9
Census Region and Division													
Northeast	19.5	.27	79	9.28	10.1	.08	74	.73	1.0	.01	.06	.10	8.3
New England	5.1	.07	21	2.42	1.7	.01	14	.14	.4	(*)	.02	.04	14.1
Middle Atlantic	14.4	.20	58	6.86	8.4	.06	60	.59	.6	(*)	.03	.06	10.4
Midwest	23.3	.41	121	9.98	10.4	.08	76	.42	1.1	.01	.08	.07	8.7
East North Central	16.4	.29	84	7.18	7.9	.06	59	.33	.5	(*)	.03	.03	10.7
West North Central	6.9	.13	37	2.80	2.4	.02	17	.09	.6	(*)	.05	.04	13.4
South	33.4	.64	186	14.51	8.7	.08	75	.47	2.4	.01	.16	.21	7.0
South Atlantic	17.3	.31	91	7.39	2.9	.02	22	.17	1.4	.01	.10	.16	11.3
East South Central	6.0	.12	36	2.29	1.1	.01	10	.05	.5	(*)	.03	.03	13.6
West South Central	10.1	.20	59	4.83	4.7	.04	43	.25	.5	(*)	.03	.02	12.8
West	20.4	.31	90	7.78	8.6	.06	57	.36	.4	(*)	.03	.04	8.3
Mountain	5.4	.09	27	1.97	1.6	.01	10	.06	.2	(*)	.01	.02	15.4
Pacific	15.0	.21	63	5.81	7.0	.05	47	.30	.2	(*)	.01	.02	9.4
Largest Populated States													
California	11.1	.14	41	4.61	6.6	.04	43	.28	.2	(*)	.01	.02	10.0
Florida	5.6	.10	30	2.48	.3	(*)	2	.02	.7	.01	.06	.09	14.9
New York	6.8	.08	24	3.36	4.5	.03	31	.37	.3	(*)	.02	.03	14.9
Texas	6.4	.13	38	3.03	2.8	.03	24	.15	Q	Q	Q	Q	10.6
Urban Status													
Urban	75.8	1.22	359	32.51	33.9	.26	254	1.82	2.2	.01	.14	.20	4.7
Central City	30.6	.42	123	11.27	16.2	.12	115	.88	.5	(*)	.03	.04	6.2
Suburban	45.2	.80	235	21.24	17.8	.14	139	.94	1.7	.01	.11	.16	5.7
Rural	20.8	.40	118	9.04	3.8	.03	28	.17	2.8	.02	.18	.21	9.9
Climate Zone ²													
Under 2,000 CDD and													
Over 7,000 HDD	8.7	.16	47	3.66	2.1	.01	14	.08	.8	(*)	.05	.06	23.0
5,500 to 7,000 HDD	26.5	.44	129	11.38	12.2	.09	91	.59	.9	.01	.06	.07	14.0
4,000 to 5,499 HDD	22.4	.36	107	9.53	9.2	.07	67	.62	.9	.01	.06	.08	15.0
Under 4,000 HDD	17.8	.27	79	7.33	7.3	.05	50	.33	.7	(*)	.04	.06	16.9
2,000 CDD or More and													
Under 4,000 HDD	21.2	.39	115	9.64	7.0	.06	59	.37	1.7	.01	.11	.15	12.1
Total Number of Rooms (Excluding Bathrooms)													
1 or 2	3.2	.02	5	.51	1.3	.01	6	.06	Q	Q	Q	Q	20.1
3 to 5	47.3	.60	176	15.58	17.8	.12	115	.85	3.0	.02	.18	.24	5.4
6 to 8	40.2	.85	249	21.38	16.1	.14	132	.88	1.7	.01	.12	.14	6.0
9 or More	5.8	.16	46	4.08	2.6	.03	30	.19	.2	(*)	.02	.03	17.0
Type of Housing Unit													
Single-Family	66.7	1.33	389	33.34	26.6	.21	208	1.37	3.2	.02	.21	.27	4.9
Detached	59.4	1.22	356	30.34	23.1	.19	183	1.19	3.2	.02	.21	.27	5.3
Attached	7.3	.11	33	3.01	3.5	.03	25	.19	Q	Q	Q	Q	15.4
Mobile Home	5.6	.09	26	2.11	1.5	.01	9	.06	1.5	.01	.10	.13	14.2
Multifamily	24.2	.21	61	6.09	9.7	.07	64	.56	.2	(*)	.01	.02	9.8
2 to 4 Units	8.0	.08	23	2.34	4.2	.03	32	.26	.1	(*)	.01	.02	13.3
5 or More Units	16.2	.13	38	3.75	5.5	.03	32	.30	Q	Q	Q	Q	10.9
Heated Floorspace (square feet)													
Fewer than 1,000	29.3	.29	86	7.70	11.2	.07	70	.55	2.0	.01	.12	.16	6.5
1,000 to 1,999	40.2	.70	205	17.84	16.1	.12	119	.82	1.8	.01	.12	.14	5.8
2,000 to 2,999	17.8	.39	115	9.94	6.8	.06	54	.37	.7	.01	.06	.07	7.7
3,000 or More	9.3	.24	71	6.07	3.7	.04	38	.25	.4	(*)	.03	.04	12.9

See footnotes at end of table.

Table 5.26. Total Consumption and Expenditures for Appliances in U.S. Households, 1993 (Continued)

Characteristics	Electricity				Natural Gas				Liquefied Petroleum Gas				RSE Row Factors
	Households (million)	Consumed		Expenditures (billion dollars)	Households (million)	Consumed		Expenditures (billion dollars)	Households (million)	Consumed		Expenditures (billion dollars)	
		(quad- rillion Btu)	(bil- lion kWh)			(quad- rillion Btu)	(bil- lion cubic feet)			(quad- rillion Btu)	(bil- lion gal- lons)		
RSE Column Factors:	0.4	0.5 ¹	0.5 ¹	0.5 ¹	0.8	0.9 ¹	0.9 ¹	0.9 ¹	2.2	2.4 ¹	2.4 ¹	2.4 ¹	
Ownership of Unit													
Owned	63.2	1.26	368	31.64	24.6	0.20	192	1.29	3.8	0.02	0.26	0.32	4.7
Rented	33.4	.37	108	9.91	13.2	.09	89	.69	1.2	.01	.07	.10	6.0
Public Housing	3.4	.03	8	.75	1.4	.01	10	.07	NC	NC	NC	NC	23.4
Not Public Housing	30.0	.34	100	9.16	11.8	.08	79	.62	1.2	.01	.07	.10	6.3
Rent Subsidy	2.0	.02	5	.52	1.0	.01	7	.07	Q	Q	Q	Q	19.8
No Rent Subsidy	28.0	.32	94	8.63	10.8	.07	72	.56	1.1	.01	.06	.10	6.6
Year of Construction													
1939 or Before	20.3	.30	88	8.06	10.9	.08	76	.60	1.2	.01	.07	.09	8.2
1940 to 1949	6.9	.11	32	2.82	3.4	.02	24	.18	.3	(*)	.02	.02	13.7
1950 to 1959	13.1	.23	68	6.33	6.7	.05	51	.37	.4	(*)	.02	.03	10.4
1960 to 1969	15.0	.24	71	6.30	5.7	.04	42	.28	.7	(*)	.04	.05	10.3
1970 to 1979	18.1	.32	95	7.86	4.5	.04	35	.22	1.1	.01	.07	.09	9.5
1980 to 1984	8.5	.15	44	3.72	2.5	.02	21	.13	.4	(*)	.03	.04	13.3
1985 to 1987	5.5	.10	29	2.44	1.6	.01	11	.07	.3	(*)	.04	.04	15.0
1988 to 1990	4.7	.09	27	2.23	1.2	.01	10	.06	.3	(*)	.02	.03	14.4
1991 to 1993 ³	4.5	.07	22	1.79	1.2	.01	10	.06	.2	(*)	.02	.02	16.8
Electric Appliances													
Paid by Household	91.5	1.58	464	40.43	--	--	--	--	--	--	--	--	4.0
Natural Gas Appliances													
Paid by Household	--	--	--	--	32.7	.26	249	1.75	--	--	--	--	6.2
Liquefied Petroleum Gas													
Paid by Household	--	--	--	--	--	--	--	--	4.8	.03	.32	.41	9.9
1993 Family Income													
Less than \$5,000	4.0	.04	13	1.18	1.8	.01	13	.10	.3	(*)	.01	.02	14.1
\$5,000 to \$9,999	10.6	.11	34	2.94	4.3	.03	27	.21	.6	(*)	.03	.04	9.4
\$10,000 to \$14,999	11.1	.14	41	3.62	4.7	.03	33	.23	.8	(*)	.04	.06	7.8
\$15,000 to \$19,999	9.6	.15	43	3.58	3.6	.02	23	.15	.6	(*)	.05	.06	11.5
\$20,000 to \$24,999	8.7	.14	40	3.38	3.4	.02	23	.16	.5	(*)	.03	.04	10.5
\$25,000 to \$34,999	14.1	.25	73	6.16	4.6	.03	34	.23	.9	.01	.07	.08	8.7
\$35,000 to \$49,999	17.4	.33	97	8.55	6.6	.05	51	.36	.6	(*)	.05	.06	7.8
\$50,000 to \$74,999	12.6	.26	77	6.68	5.1	.04	40	.28	.3	(*)	.03	.05	8.3
\$75,000 or More	8.3	.20	59	5.46	3.6	.04	37	.26	.2	(*)	.01	.02	13.3
Below Poverty Line													
100 Percent	14.4	.18	54	4.79	6.6	.05	50	.38	1.0	(*)	.05	.07	7.7
125 Percent	19.4	.26	75	6.63	8.4	.07	64	.48	1.5	.01	.08	.10	7.4
150 Percent	24.7	.34	98	8.56	10.5	.08	78	.58	1.8	.01	.10	.13	6.7
Eligible for Federal Assistance⁴													
30.6	.41	120	10.55	12.9	.10	93	.68	2.1	.01	.11	.15	6.0	
Age of Householder													
Under 25 Years	5.7	.07	20	1.68	2.0	.02	15	.11	.2	(*)	.01	.01	12.3
25 to 34 Years	19.9	.31	91	7.91	8.1	.06	61	.43	1.0	.01	.07	.09	6.7
35 to 44 Years	21.4	.42	123	10.71	8.4	.07	65	.46	1.2	.01	.10	.13	6.2
45 to 59 Years	21.9	.43	125	10.81	8.6	.08	73	.51	1.1	.01	.06	.08	7.3
60 Years and Over	27.7	.40	118	10.44	10.6	.07	67	.49	1.3	.01	.08	.10	7.4

See footnotes at end of table.

Table 5.26. Total Consumption and Expenditures for Appliances in U.S. Households, 1993 (Continued)

Characteristics	Electricity				Natural Gas				Liquefied Petroleum Gas				RSE Row Factors
	Households (million)	Consumed		Expenditures (billion dollars)	Households (million)	Consumed		Expenditures (billion dollars)	Households (million)	Consumed		Expenditures (billion dollars)	
		(quad- rillion Btu)	(bil- lion kWh)			(quad- rillion Btu)	(bil- lion cubic feet)			(quad- rillion Btu)	(bil- lion gal- lons)		
RSE Column Factors:	0.4	0.5 ¹	0.5 ¹	0.5 ¹	0.8	0.9 ¹	0.9 ¹	0.9 ¹	2.2	2.4 ¹	2.4 ¹	2.4 ¹	
Education of Householder													
12 Years or Fewer	51.5	0.83	243	20.92	20.9	0.15	150	1.06	3.6	0.02	0.23	0.28	5.3
13 to 16 Years	33.6	.59	174	15.19	12.3	.10	96	.67	1.2	.01	.09	.12	5.3
17 Years or More	11.5	.20	60	5.44	4.5	.04	36	.26	.2	(*)	.01	.01	10.7
Race of Householder													
White	80.1	1.41	413	35.48	28.9	.22	213	1.47	4.4	.03	.29	.38	4.6
Black	10.9	.15	45	4.19	6.1	.05	50	.36	.5	(*)	.02	.03	12.1
Other ⁵	5.5	.06	19	1.88	2.8	.02	19	.16	Q	Q	Q	Q	13.2
Householder of Hispanic Descent													
Yes	7.9	.10	30	2.93	4.2	.03	31	.25	.4	(*)	.02	.04	13.8
No	88.7	1.52	446	38.62	33.6	.26	251	1.73	4.5	.03	.30	.38	4.4
Household Size													
1 Person	23.5	.22	63	5.68	8.4	.04	37	.29	1.0	(*)	.05	.07	7.6
2 Persons	31.7	.51	150	12.78	11.6	.08	81	.56	1.6	.01	.09	.12	6.0
3 Persons	16.6	.31	92	8.14	6.9	.06	56	.40	.8	(*)	.05	.07	7.8
4 Persons	14.6	.33	98	8.50	6.4	.06	58	.39	.8	.01	.06	.07	7.0
5 Persons	6.8	.16	47	4.08	2.7	.03	29	.20	.6	.01	.06	.07	10.5
6 or More Persons	3.5	.09	26	2.37	1.8	.02	21	.15	.2	(*)	.01	.02	16.7

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.

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

-- = Not applicable.

NC = No cases in sample.

NF = No applicable RSE row factor.

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

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals. • Appliances do not include refrigerators. • 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-F, and H of the 1993 Residential Energy Consumption Survey (for specific titles of forms, see Appendix E).

Table 5.27. Electricity Consumption and Expenditures for Appliances and Refrigerators, per U.S. Household, 1993

Characteristics	Electricity Used for Appliances				Electricity Used for Refrigerators					RSE Row Factors
	Households (million)	Consumed		Expenditures (dollars)	Households (million)	Average Number of Refrigerators	Consumed		Expenditures (dollars)	
		(million Btu)	(kWh)				(million Btu)	(kWh)		
RSE Column Factors:	1.6	1.0 ¹	1.0 ¹	1.0 ¹	1.6	0.4	0.9 ¹	0.9 ¹	1.1 ¹	
Total U.S. Households	96.6	16.8	4,933	430	96.4	1.2	4.7	1,386	124	1.3
Census Region and Division										
Northeast	19.5	13.9	4,077	476	19.4	1.1	3.9	1,136	137	3.4
New England	5.1	14.3	4,197	478	5.1	1.1	3.7	1,091	126	6.0
Middle Atlantic	14.4	13.8	4,035	476	14.3	1.2	3.9	1,152	141	3.9
Midwest	23.3	17.7	5,193	428	23.3	1.2	4.5	1,322	111	2.9
East North Central	16.4	17.6	5,146	439	16.4	1.2	4.5	1,317	115	4.1
West North Central	6.9	18.1	5,303	403	6.9	1.2	4.6	1,336	103	2.6
South	33.4	19.0	5,576	434	33.4	1.1	5.7	1,664	131	2.1
South Atlantic	17.3	17.9	5,247	427	17.3	1.1	5.2	1,533	126	3.1
East South Central	6.0	20.6	6,029	382	6.0	1.2	5.8	1,712	110	3.3
West South Central	10.1	20.0	5,871	477	10.1	1.1	6.3	1,858	152	4.1
West	20.4	15.0	4,399	382	20.3	1.2	4.2	1,240	116	2.8
Mountain	5.4	17.1	5,013	368	5.4	1.2	4.4	1,293	102	5.7
Pacific	15.0	14.3	4,180	387	15.0	1.2	4.2	1,221	120	3.2
Largest Populated States										
California	11.1	12.5	3,649	415	11.1	1.2	4.0	1,159	132	3.8
Florida	5.6	18.3	5,368	446	5.6	1.1	5.7	1,679	141	6.2
New York	6.8	12.1	3,542	493	6.8	1.1	3.5	1,022	149	6.2
Texas	6.4	19.9	5,838	470	6.4	1.1	6.3	1,860	151	5.6
Urban Status										
Urban	75.8	16.1	4,733	429	75.7	1.2	4.7	1,378	128	1.6
Central City	30.6	13.7	4,029	369	30.5	1.1	4.4	1,293	122	1.8
Suburban	45.2	17.8	5,209	470	45.1	1.2	4.9	1,436	132	1.5
Rural	20.8	19.3	5,665	435	20.8	1.2	4.8	1,412	110	2.4
Climate Zone ²										
Under 2,000 CDD and Over 7,000 HDD	8.7	18.3	5,350	422	8.7	1.2	3.9	1,153	91	4.6
5,500 to 7,000 HDD	26.5	16.6	4,864	430	26.5	1.2	4.3	1,258	115	3.9
4,000 to 5,499 HDD	22.4	16.3	4,769	425	22.3	1.1	4.5	1,320	123	3.5
Under 4,000 HDD	17.8	15.1	4,435	412	17.8	1.1	4.6	1,362	128	3.8
2,000 CDD or More and Under 4,000 HDD	21.2	18.6	5,441	455	21.1	1.1	5.9	1,731	147	3.2
Total Number of Rooms (Excluding Bathrooms)										
1 or 2	3.2	5.3	1,551	158	3.2	1.0	2.8	820	83	5.2
3 to 5	47.3	12.7	3,724	329	47.2	1.1	4.1	1,213	111	1.4
6 to 8	40.2	21.1	6,198	532	40.2	1.2	5.3	1,560	137	1.5
9 or More	5.8	26.9	7,895	698	5.8	1.4	6.4	1,889	169	4.3
Type of Housing Unit										
Single-Family	66.7	19.9	5,832	500	66.7	1.2	5.2	1,537	134	1.2
Detached	59.4	20.5	5,997	510	59.4	1.2	5.3	1,557	135	1.3
Attached	7.3	15.3	4,487	412	7.3	1.1	4.7	1,377	129	4.4
Mobile Home	5.6	16.0	4,693	378	5.6	1.0	4.1	1,202	99	4.0
Multifamily	24.2	8.6	2,515	251	24.2	1.0	3.4	1,009	102	2.2
2 to 4 Units	8.0	9.7	2,839	292	8.0	1.0	3.5	1,012	107	3.1
5 or More Units	16.2	8.0	2,355	231	16.2	1.0	3.4	1,008	99	3.1
Heated Floorspace (square feet)										
Fewer than 1,000	29.3	10.0	2,937	263	29.2	1.0	3.8	1,105	103	1.8
1,000 to 1,999	40.2	17.4	5,111	444	40.1	1.1	4.8	1,402	125	1.5
2,000 to 2,999	17.8	21.9	6,421	557	17.8	1.3	5.5	1,612	142	2.1
3,000 or More	9.3	25.9	7,599	654	9.3	1.4	6.0	1,764	153	3.5

See footnotes at end of table.

Table 5.27. Electricity Consumption and Expenditures for Appliances and Refrigerators, per U.S. Household, 1993 (Continued)

Characteristics	Electricity Used for Appliances				Electricity Used for Refrigerators					RSE Row Factors
	Households (million)	Consumed		Expenditures (dollars)	Households (million)	Average Number of Refrigerators	Consumed		Expenditures (dollars)	
		(million Btu)	(kWh)				(million Btu)	(kWh)		
RSE Column Factors:	1.6	1.0 ¹	1.0 ¹	1.0 ¹	1.6	0.4	0.9 ¹	0.9 ¹	1.1 ¹	
Ownership of Unit										
Owned	63.2	19.9	5,830	501	63.2	1.2	5.2	1,536	135	1.3
Rented	33.4	11.0	3,238	297	33.3	1.0	3.8	1,100	104	1.8
Public Housing	3.4	8.4	2,459	219	3.4	1.0	3.4	1,000	89	5.5
Not Public Housing	30.0	11.4	3,327	305	29.8	1.0	3.8	1,111	106	1.9
Rent Subsidy	2.0	9.4	2,756	264	2.0	1.0	3.3	972	97	6.3
No Rent Subsidy	28.0	11.5	3,368	308	27.9	1.0	3.8	1,121	106	2.1
Year of Construction										
1939 or Before	20.3	14.9	4,353	397	20.3	1.1	4.2	1,240	116	2.5
1940 to 1949	6.9	16.0	4,692	409	6.9	1.2	4.7	1,381	126	3.7
1950 to 1959	13.1	17.7	5,179	484	13.1	1.2	5.1	1,481	142	3.0
1960 to 1969	15.0	16.1	4,720	419	15.0	1.2	4.8	1,421	129	3.1
1970 to 1979	18.1	17.8	5,214	433	18.1	1.1	5.0	1,464	125	2.5
1980 to 1984	8.5	17.8	5,208	440	8.5	1.1	5.2	1,524	131	3.4
1985 to 1987	5.5	18.1	5,295	444	5.5	1.1	4.7	1,379	118	4.1
1988 to 1990	4.7	19.9	5,822	473	4.7	1.1	4.5	1,325	111	3.8
1991 to 1993 ³	4.5	16.7	4,896	400	4.5	1.1	3.9	1,152	96	5.4
Electricity Paid by Household										
Yes	91.5	17.3	5,070	442	91.4	1.2	4.8	1,408	126	1.3
No	5.1	8.4	2,472	220	5.0	1.0	3.3	976	88	5.2
1993 Family Income										
Less than \$5,000	4.0	10.7	3,143	292	4.0	1.1	4.0	1,176	110	4.8
\$5,000 to \$9,999	10.6	10.9	3,191	278	10.5	1.1	4.2	1,226	111	2.9
\$10,000 to \$14,999	11.1	12.5	3,663	325	11.1	1.1	4.2	1,227	112	2.7
\$15,000 to \$19,999	9.6	15.1	4,426	372	9.6	1.1	4.5	1,306	114	2.8
\$20,000 to \$24,999	8.7	15.6	4,583	386	8.7	1.1	4.5	1,326	115	3.0
\$25,000 to \$34,999	14.1	17.7	5,192	439	14.0	1.2	4.9	1,423	123	2.4
\$35,000 to \$49,999	17.4	19.0	5,580	490	17.4	1.2	4.8	1,401	126	2.3
\$50,000 to \$74,999	12.6	20.9	6,126	529	12.6	1.2	5.2	1,525	136	2.5
\$75,000 or More	8.3	24.1	7,058	654	8.3	1.3	6.0	1,747	166	3.6
Below Poverty Line										
100 Percent	14.4	12.8	3,751	333	14.3	1.1	4.2	1,230	112	2.6
125 Percent	19.4	13.3	3,894	342	19.3	1.1	4.2	1,240	113	2.3
150 Percent	24.7	13.6	3,987	347	24.6	1.1	4.3	1,265	114	2.1
Eligible for Federal Assistance ⁴										
30.6	13.4	3,913	345	30.6	1.1	4.3	1,247	114	1.8	
Age of Householder										
Under 25 Years	5.7	11.7	3,439	294	5.7	1.1	3.8	1,120	97	3.8
25 to 34 Years	19.9	15.5	4,554	397	19.9	1.1	4.0	1,176	106	1.9
35 to 44 Years	21.4	19.6	5,733	501	21.3	1.1	4.7	1,376	123	1.7
45 to 59 Years	21.9	19.6	5,734	495	21.9	1.2	5.2	1,535	136	2.0
60 Years and Over	27.7	14.6	4,267	376	27.7	1.2	5.0	1,480	134	2.0
Education of Householder										
12 Years or Fewer	51.5	16.1	4,719	406	51.4	1.1	4.7	1,373	121	1.5
13 to 16 Years	33.6	17.7	5,178	452	33.6	1.2	4.8	1,399	126	1.7
17 Years or More	11.5	17.7	5,177	472	11.5	1.2	4.8	1,401	130	3.2
Race of Householder										
White	80.1	17.6	5,149	443	80.1	1.2	4.8	1,404	124	1.4
Black	10.9	14.0	4,111	385	10.9	1.1	4.7	1,366	129	3.2
Other ⁵	5.5	11.7	3,431	339	5.5	1.1	4.0	1,163	120	4.3

See footnotes at end of table.

Table 5.27. Electricity Consumption and Expenditures for Appliances and Refrigerators, per U.S. Household, 1993 (Continued)

Characteristics	Electricity Used for Appliances				Electricity Used for Refrigerators					RSE Row Factors
	Households (million)	Consumed		Expenditures (dollars)	Households (million)	Average Number of Refrigerators	Consumed		Expenditures (dollars)	
		(million Btu)	(kWh)				(million Btu)	(kWh)		
RSE Column Factors:	1.6	1.0 ¹	1.0 ¹	1.0 ¹	1.6	0.4	0.9 ¹	0.9 ¹	1.1 ¹	
Householder of Hispanic Descent										
Yes	7.9	13.0	3,798	371	7.9	1.1	4.1	1,213	121	3.7
No	88.7	17.2	5,034	436	88.6	1.2	4.8	1,401	124	1.3
Average Electricity Expenditures (cents per kWh)										
Less than 6	9.3	22.8	6,694	348	--	--	--	--	--	3.9
6 to Less than 9	42.7	19.4	5,686	435	--	--	--	--	--	2.2
9 or More	44.6	13.1	3,845	443	--	--	--	--	--	2.0
Average Electric Refrigerator Expenditures (cents per kWh)										
Less than 6	--	--	--	--	9.3	1.2	5.4	1,568	82	3.9
6 to Less than 9	--	--	--	--	42.6	1.2	5.3	1,551	119	2.2
9 or More	--	--	--	--	44.6	1.1	4.1	1,190	138	2.0
Electric Appliances Used by Household (more than one may apply)										
Separate Freezer	33.4	23.1	6,771	558	33.4	1.2	5.2	1,531	127	1.5
Dishwasher	43.7	20.6	6,039	520	43.7	1.2	5.3	1,543	135	1.6
Clothes Washer	74.5	19.6	5,731	493	74.4	1.2	5.1	1,486	130	1.3
Clothes Dryer	54.7	21.0	6,144	506	54.6	1.2	5.1	1,508	126	1.3
Waterbed Heater	11.9	24.3	7,131	572	11.9	1.2	5.1	1,490	121	2.5
Swimming-Pool Pump	4.6	32.5	9,530	850	4.6	1.3	6.3	1,848	164	4.4
Hot-Tub or Spa Pump	2.8	33.4	9,788	803	2.8	1.4	6.7	1,958	166	5.1
Hot-Tub or Spa Heater	1.9	31.5	9,241	733	1.9	1.4	6.2	1,813	148	6.0
Well Pump	13.0	24.2	7,087	580	13.0	1.3	5.5	1,608	133	3.1
Appliance Combination Usage										
Dishwasher, Clothes Washer, and Clothes Dryer										
All	30.2	23.1	6,769	558	30.2	1.2	5.5	1,611	135	1.8
Some	49.7	16.2	4,755	426	49.7	1.2	4.7	1,366	125	1.4
None	16.6	7.3	2,127	210	16.5	1.0	3.5	1,032	103	2.3
Well Pump and Separate Freezer										
All	8.0	27.1	7,934	627	8.0	1.3	5.6	1,646	129	3.9
Some	30.4	21.5	6,295	531	30.4	1.2	5.1	1,503	129	1.5
None	58.2	13.0	3,813	351	58.1	1.1	4.4	1,289	121	1.4
Main Heating Fuel										
Natural Gas	51.4	16.4	4,799	438	51.3	1.2	4.7	1,390	130	1.8
Electricity	25.0	16.5	4,850	363	25.0	1.1	4.8	1,395	108	2.5
Fuel Oil or Kerosene	11.2	17.2	5,034	513	11.2	1.2	4.3	1,265	134	3.6
Wood	3.1	23.0	6,750	536	3.1	1.2	5.0	1,468	119	4.8
LPG	4.6	19.8	5,809	472	4.6	1.2	5.1	1,495	123	4.6
Other4	15.6	4,585	312	.4	1.0	4.1	1,211	85	14.7
Household Size										
1 Person	23.5	9.2	2,698	242	23.4	1.1	4.0	1,182	109	2.5
2 Persons	31.7	16.1	4,717	403	31.7	1.2	5.0	1,466	129	1.7
3 Persons	16.6	19.0	5,562	491	16.6	1.2	4.8	1,416	128	2.2
4 Persons	14.6	22.9	6,699	582	14.6	1.2	4.9	1,437	127	2.0
5 Persons	6.8	23.8	6,973	604	6.8	1.2	4.9	1,438	126	2.9
6 or More Persons	3.5	26.0	7,632	685	3.5	1.2	5.3	1,564	147	5.6

See footnotes at end of table.

Table 5.27. Electricity Consumption and Expenditures for Appliances and Refrigerators, per U.S. Household, 1993 (Continued)

Characteristics	Electricity Used for Appliances				Electricity Used for Refrigerators					RSE Row Factors
	Households (million)	Consumed		Expenditures (dollars)	Households (million)	Average Number of Refrigerators	Consumed		Expenditures (dollars)	
		(million Btu)	(kWh)				(million Btu)	(kWh)		
RSE Column Factors:	1.6	1.0 ¹	1.0 ¹	1.0 ¹	1.6	0.4	0.9 ¹	0.9 ¹	1.1 ¹	

Number of Refrigerators

1	82.1	15.7	4,614	406	82.1	1.0	4.1	1,194	108	1.2
2 or More	14.4	23.1	6,785	573	14.4	2.1	8.5	2,480	215	2.2

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.

-- = Not applicable.

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

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

Table 5.28. Natural Gas and LPG Consumption and Expenditures for Appliances, per U.S. Household, 1993

Characteristics	Natural Gas				Liquefied Petroleum Gas				RSE Row Factors
	Households (million)	Consumed		Expenditures (dollars)	Households (million)	Consumed		Expenditures (dollars)	
		(million Btu)	(1000 cubic feet)			(million Btu)	(gallons)		
RSE Column Factors:	0.9	0.5 ¹	0.5 ¹	0.6 ¹	2.5	1.3 ¹	1.3 ¹	1.5 ¹	
Total U.S. Households	37.8	7.7	7.5	53	4.9	6.0	66	85	4.0
Census Region and Division									
Northeast	10.1	7.6	7.4	72	1.0	5.1	56	97	6.8
New England	1.7	8.5	8.3	81	.4	4.8	53	91	17.0
Middle Atlantic	8.4	7.4	7.2	70	.6	5.3	58	102	7.3
Midwest	10.4	7.5	7.3	41	1.1	7.0	76	66	6.3
East North Central	7.9	7.7	7.5	42	.5	6.2	68	61	8.3
West North Central	2.4	7.1	6.9	38	.6	7.6	84	71	9.8
South	8.7	8.8	8.5	54	2.4	6.1	66	88	8.2
South Atlantic	2.9	7.7	7.5	57	1.4	6.5	71	113	8.6
East South Central	1.1	9.5	9.2	51	.5	5.8	63	60	17.3
West South Central	4.7	9.3	9.0	53	.5	5.2	57	47	18.2
West	8.6	6.8	6.6	42	.4	5.8	63	83	7.9
Mountain	1.6	6.5	6.4	37	.2	5.7	62	68	11.6
Pacific	7.0	6.9	6.7	43	.2	5.8	64	100	9.6
Largest Populated States									
California	6.6	6.8	6.6	43	.2	6.3	69	103	8.6
Florida3	7.2	7.0	67	.7	7.7	85	136	17.1
New York	4.5	7.3	7.1	83	.3	4.8	52	91	10.6
Texas	2.8	9.1	8.8	52	Q	3.2	34	30	21.8
Urban Status									
Urban	33.9	7.7	7.5	54	2.2	6.1	67	95	4.7
Central City	16.2	7.3	7.1	54	.5	5.6	62	90	8.4
Suburban	17.8	8.1	7.8	53	1.7	6.2	68	96	6.2
Rural	3.8	7.4	7.2	43	2.8	6.0	65	77	9.9
Climate Zone ²									
Under 2,000 CDD and Over 7,000 HDD	2.1	6.8	6.6	37	.8	5.8	63	75	9.9
5,500 to 7,000 HDD	12.2	7.6	7.4	49	.9	6.0	65	81	8.1
4,000 to 5,499 HDD	9.2	7.5	7.3	67	.9	6.2	68	89	7.8
Under 4,000 HDD	7.3	7.1	6.9	45	.7	5.6	62	85	8.9
2,000 CDD or More and Under 4,000 HDD	7.0	8.7	8.5	52	1.7	6.2	68	90	11.1
Total Number of Rooms (Excluding Bathrooms)									
1 or 2	1.3	4.4	4.2	48	Q	Q	Q	Q	14.1
3 to 5	17.8	6.7	6.5	48	3.0	5.6	62	81	4.7
6 to 8	16.1	8.4	8.2	54	1.7	6.2	68	83	5.7
9 or More	2.6	11.8	11.5	75	.2	11.7	128	174	16.4
Type of Housing Unit									
Single-Family	26.6	8.1	7.8	52	3.2	6.0	65	83	4.9
Detached	23.1	8.2	7.9	51	3.2	6.0	65	84	5.1
Attached	3.5	7.4	7.2	53	Q	Q	Q	Q	10.4
Mobile Home	1.5	6.3	6.2	37	1.5	6.2	68	86	8.4
Multifamily	9.7	6.8	6.6	57	.2	5.5	60	106	7.7
2 to 4 Units	4.2	7.8	7.6	61	.1	5.5	60	108	11.0
5 or More Units	5.5	6.0	5.8	54	Q	Q	Q	Q	6.7
Heated Floorspace (square feet)									
Fewer than 1,000	11.2	6.4	6.2	49	2.0	5.6	61	82	6.5
1,000 to 1,999	16.1	7.6	7.4	51	1.8	5.8	63	76	5.8
2,000 to 2,999	6.8	8.2	8.0	54	.7	7.1	78	102	7.6
3,000 or More	3.7	10.7	10.4	68	.4	7.5	82	107	13.0

See footnotes at end of table.

Table 5.28. Natural Gas and LPG Consumption and Expenditures for Appliances, per U.S. Household, 1993 (Continued)

Characteristics	Natural Gas				Liquefied Petroleum Gas				RSE Row Factors
	Households (million)	Consumed		Expenditures (dollars)	Households (million)	Consumed		Expenditures (dollars)	
		(million Btu)	(1000 cubic feet)			(million Btu)	(gallons)		
RSE Column Factors:	0.9	0.5 ¹	0.5 ¹	0.6 ¹	2.5	1.3 ¹	1.3 ¹	1.5 ¹	
Ownership of Unit									
Owned	24.6	8.0	7.8	52	3.8	6.3	69	85	4.9
Rented	13.2	7.0	6.8	53	1.2	5.3	58	84	5.0
Public Housing	1.4	7.3	7.1	50	NC	NC	NC	NC	15.0
Not Public Housing	11.8	6.9	6.7	53	1.2	5.3	58	84	5.3
Rent Subsidy	1.0	7.5	7.3	68	Q	Q	Q	Q	13.1
No Rent Subsidy	10.8	6.9	6.7	52	1.1	5.2	57	84	5.6
Year of Construction									
1939 or Before	10.9	7.2	7.0	55	1.2	5.8	63	77	6.4
1940 to 1949	3.4	7.3	7.1	52	.3	6.3	69	87	11.5
1950 to 1959	6.7	7.9	7.7	55	.4	5.2	57	78	8.7
1960 to 1969	5.7	7.5	7.3	49	.7	5.0	55	73	8.0
1970 to 1979	4.5	8.0	7.8	50	1.1	5.8	63	83	10.6
1980 to 1984	2.5	8.6	8.4	54	.4	6.3	69	91	13.7
1985 to 1987	1.6	7.2	7.0	46	.3	9.8	108	133	12.7
1988 to 1990	1.2	8.8	8.5	52	.3	6.3	68	101	11.4
1991 to 1993 ³	1.2	8.6	8.4	52	.2	6.5	71	78	12.4
Natural Gas Appliances									
Paid by Household									
Yes	32.7	7.8	7.6	53	--	--	--	--	4.2
No	5.1	6.7	6.5	46	--	--	--	--	9.1
Liquefied Petroleum Gas									
Paid by Household									
Yes	--	--	--	--	4.8	6.1	66	85	4.1
No	--	--	--	--	.1	4.8	53	64	11.7
1993 Family Income									
Less than \$5,000	1.8	7.2	7.1	56	.3	4.0	44	61	10.4
\$5,000 to \$9,999	4.3	6.5	6.3	49	.6	4.2	46	63	8.7
\$10,000 to \$14,999	4.7	7.1	6.9	48	.8	4.9	53	68	6.8
\$15,000 to \$19,999	3.6	6.8	6.6	43	.6	7.1	77	101	11.8
\$20,000 to \$24,999	3.4	7.0	6.8	47	.5	5.7	62	78	10.5
\$25,000 to \$34,999	4.6	7.5	7.3	50	.9	6.7	73	85	8.6
\$35,000 to \$49,999	6.6	7.9	7.6	54	.6	7.5	82	100	7.4
\$50,000 to \$74,999	5.1	8.2	8.0	56	.3	8.9	97	141	8.4
\$75,000 or More	3.6	10.5	10.3	72	.2	5.2	57	88	13.0
Below Poverty Line									
100 Percent	6.6	7.8	7.6	57	1.0	4.7	51	69	5.8
125 Percent	8.4	7.8	7.6	57	1.5	4.6	51	66	6.2
150 Percent	10.5	7.7	7.5	55	1.8	4.9	54	70	5.7
Eligible for Federal Assistance⁴									
	12.9	7.4	7.2	53	2.1	4.9	54	70	5.1
Age of Householder									
Under 25 Years	2.0	7.5	7.3	52	.2	3.9	43	57	9.7
25 to 34 Years	8.1	7.7	7.5	53	1.0	6.4	70	87	5.2
35 to 44 Years	8.4	8.0	7.7	54	1.2	7.4	81	108	6.4
45 to 59 Years	8.6	8.7	8.5	59	1.1	5.2	57	72	6.8
60 Years and Over	10.6	6.5	6.4	46	1.3	5.6	61	78	8.8
Education of Householder									
12 Years or Fewer	20.9	7.4	7.2	51	3.6	5.8	63	79	4.9
13 to 16 Years	12.3	8.0	7.7	54	1.2	6.9	76	104	5.8
17 Years or More	4.5	8.1	7.9	57	.2	5.5	60	81	11.2

See footnotes at end of table.

Table 5.28. Natural Gas and LPG Consumption and Expenditures for Appliances, per U.S. Household, 1993 (Continued)

Characteristics	Natural Gas				Liquefied Petroleum Gas				RSE Row Factors
	Households (million)	Consumed		Expenditures (dollars)	Households (million)	Consumed		Expenditures (dollars)	
		(million Btu)	(1000 cubic feet)			(million Btu)	(gallons)		
RSE Column Factors:	0.9	0.5 ¹	0.5 ¹	0.6 ¹	2.5	1.3 ¹	1.3 ¹	1.5 ¹	
Race of Householder									
White	28.9	7.6	7.4	51	4.4	6.2	68	86	4.6
Black	6.1	8.4	8.2	59	.5	4.6	50	68	8.5
Other ⁵	2.8	6.8	6.6	55	Q	Q	Q	Q	8.8
Householder of Hispanic Descent									
Yes	4.2	7.6	7.4	61	.4	5.0	55	87	9.7
No	33.6	7.7	7.5	52	4.5	6.1	67	85	4.2
Household Size									
1 Person	8.4	4.5	4.4	34	1.0	4.9	54	74	11.0
2 Persons	11.6	7.1	6.9	48	1.6	5.2	57	73	5.9
3 Persons	6.9	8.4	8.2	58	.8	5.9	65	82	6.0
4 Persons	6.4	9.3	9.0	61	.8	6.4	70	91	7.0
5 Persons	2.7	11.0	10.7	74	.6	9.4	103	129	9.0
6 or More Persons	1.8	12.3	12.0	83	.2	6.8	75	97	11.9

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.

-- = Not applicable.

NC = No cases in sample.

NF = No applicable RSE row/column factor.

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

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

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