

Table 61. Consumption and Expenditures in California 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 Factor:	1.3	1.6	1.7	0.8	0.8	0.8	1.0	0.8	0.8	0.8	0.9		
Total State	11.1	8.0	17.9	91	41	65.2	23	1,313	0.59	944	330	3.5	
Climate Zone²													
Under 2,000 CDD and Over 5,500 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF	
Under 5,500 HDD	10.0	7.0	15.8	90	40	63.2	22	1,313	0.59	921	318	3.0	
2,000 CDD or More and Under 4,000 HDD	1.1	1.0	2.1	95	43	83.3	32	1,320	0.60	1,152	448	9.9	
Type of Housing Unit													
Single-Family	7.3	7.3	14.3	77	39	77.3	25	1,114	0.57	1,114	365	3.7	
Mobile Home	Q	Q	0.2	74	77	73.8	31	950	1.00	950	405	25.2	
Multifamily (2 or more units)	3.6	0.5	3.4	288	44	40.8	16	4,282	0.65	606	241	7.7	
Heated Floorspace (square feet)													
Fewer than 1,000	3.8	1.7	2.9	100	58	44.0	17	1,359	0.79	597	232	7.1	
1,000 to 1,999	5.6	4.6	9.2	85	42	69.9	24	1,245	0.62	1,026	346	4.0	
2,000 or more	1.8	1.8	5.8	98	30	95.3	30	1,449	0.44	1,417	449	9.2	
Ownership of Unit													
Owned	6.0	5.7	12.5	82	37	77.8	27	1,214	0.55	1,155	404	4.6	
Rented	5.1	2.3	5.4	113	48	50.6	18	1,559	0.67	699	244	5.5	
Year of Construction													
1939 or Before	1.5	1.1	2.1	75	40	55.7	22	1,004	0.54	749	291	7.9	
1940 to 1979	7.0	5.1	11.2	94	43	68.3	24	1,360	0.62	987	341	3.9	
1980 or After ³	2.6	1.8	4.6	92	35	62.5	21	1,381	0.53	942	319	8.5	
1993 Family Income													
Less than \$10,000	1.4	0.9	1.6	84	44	50.3	22	1,103	0.58	659	284	9.2	
\$10,000 to \$19,999	2.5	1.5	2.8	94	50	55.9	19	1,283	0.68	764	263	7.2	
\$20,000 to \$34,999	2.1	1.3	3.3	87	35	55.4	23	1,302	0.53	827	337	6.9	
\$35,000 to \$49,999	2.0	1.6	3.6	92	41	71.3	24	1,345	0.59	1,043	344	8.1	
\$50,000 or More	3.0	2.7	6.6	92	38	82.7	25	1,383	0.57	1,241	382	5.5	
Below Poverty Line													
100 Percent	1.7	1.1	2.0	95	51	58.1	15	1,273	0.69	781	205	8.7	
125 Percent	2.3	1.4	2.6	96	49	57.1	16	1,291	0.66	769	220	7.7	
150 Percent	2.8	1.7	3.2	94	49	56.2	16	1,278	0.67	766	225	6.6	
Age of Householder													
Under 35 Years	2.7	1.5	3.5	106	44	56.8	17	1,464	0.61	783	232	5.9	
35 to 59 Years	5.5	4.3	9.6	90	40	69.7	22	1,332	0.59	1,036	333	4.3	
60 Years and Over	2.9	2.3	4.8	83	40	64.7	34	1,184	0.57	921	480	5.7	
Household Size													
1 Person	2.4	1.3	2.8	81	37	43.8	44	1,088	0.49	592	592	7.3	
2 to 4 Persons	7.1	5.4	12.1	91	40	69.2	25	1,332	0.59	1,014	368	3.9	
5 or More Persons	1.7	1.3	3.0	100	45	78.6	13	1,454	0.65	1,143	194	6.4	

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.

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" in *Household Energy Consumption and Expenditures 1993* 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.

Table 62. Total Consumption in California Households, 1993

Characteristics	Major Energy Sources ¹ (tril-lion Btu)	Electricity			Natural Gas		Fuel Oil		Kerosene		Liquefied Petroleum Gas		RSE Row Factors
		Primary (tril-lion Btu)	Site		(tril-lion Btu)	(bil-lion cubic feet)	(tril-lion Btu)	(bil-lion gal-lons)	(tril-lion Btu)	(bil-lion gal-lons)	(tril-lion Btu)	(bil-lion gal-lons)	
			(tril-lion Btu)	(bil-lion kWh)									
RSE Column Factor:	0.6	0.6	0.6	0.6	0.7	0.7	NF	NF	NF	NF	3.4	3.4	
Total State	725.7	677.5	224.9	65.9	491.2	478	Q	Q	Q	Q	6.8	0.07	6.3
Climate Zone²													
Under 2,000 CDD and Over 5,500 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Under 5,500 HDD	634.0	603.2	200.2	58.7	425.5	414	Q	Q	Q	Q	5.5	0.06	6.3
2,000 CDD or More and Under 4,000 HDD	91.7	74.3	24.7	7.2	65.7	64	Q	Q	Q	Q	Q	Q	22.2
Type of Housing Unit													
Single-Family	560.9	515.4	171.0	50.1	382.1	372	Q	Q	Q	Q	4.9	0.05	10.3
Mobile Home	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Multifamily (2 or more units) ..	148.6	147.5	48.9	14.3	98.7	96	Q	Q	Q	Q	Q	Q	15.9
Heated Floorspace (square feet)													
Fewer than 1,000	165.9	147.0	48.8	14.3	115.2	112	Q	Q	Q	Q	Q	Q	18.2
1,000 to 1,999	388.5	374.6	124.3	36.4	258.8	252	Q	Q	Q	Q	3.6	0.04	12.2
2,000 or More	171.3	155.8	51.7	15.2	117.3	114	Q	Q	Q	Q	Q	Q	28.4
Ownership of Unit													
Owned	465.2	444.8	147.6	43.3	309.4	301	Q	Q	Q	Q	5.4	0.06	11.2
Rented	260.4	232.7	77.2	22.6	181.8	177	Q	Q	Q	Q	Q	Q	11.5
Year of Construction													
1939 or Before	85.3	73.5	24.4	7.2	60.0	58	Q	Q	Q	Q	Q	Q	28.2
1940 to 1979	479.6	441.6	146.6	43.0	330.0	321	Q	Q	Q	Q	Q	Q	8.0
1980 or After ³	160.8	162.3	53.9	15.8	101.1	98	Q	Q	Q	Q	4.3	0.05	16.3
1993 Family Income													
Less than \$10,000	71.6	66.1	22.0	6.4	48.0	47	Q	Q	Q	Q	Q	Q	24.8
\$10,000 to \$19,999	141.0	121.7	40.4	11.8	98.1	95	Q	Q	Q	Q	Q	Q	15.0
\$20,000 to \$34,999	117.1	119.4	39.6	11.6	76.2	74	Q	Q	Q	Q	Q	Q	14.9
\$35,000 to \$49,999	144.2	133.3	44.3	13.0	98.1	95	Q	Q	Q	Q	Q	Q	16.6
\$50,000 or More	251.8	236.9	78.6	23.0	170.8	166	Q	Q	Q	Q	Q	Q	16.2
Below Poverty Line													
100 Percent	100.4	90.3	30.0	8.8	68.7	67	Q	Q	Q	Q	Q	Q	24.0
125 Percent	130.1	117.8	39.1	11.5	89.2	87	Q	Q	Q	Q	1.8	0.02	15.8
150 Percent	156.4	143.3	47.6	13.9	106.3	103	Q	Q	Q	Q	2.6	0.03	12.4
Age of Householder													
Under 35 Years	154.1	135.8	45.1	13.2	108.2	105	Q	Q	Q	Q	Q	Q	10.2
35 to 59 Years	381.1	368.7	122.4	35.9	255.0	248	Q	Q	Q	Q	2.4	0.03	9.8
60 Years and Over	190.4	173.0	57.4	16.8	128.0	125	Q	Q	Q	Q	3.5	0.04	15.4
Household Size													
1 Person	103.5	91.5	30.4	8.9	72.6	71	Q	Q	Q	Q	Q	Q	16.4
2 to 4 Persons	488.0	462.2	153.4	45.0	325.5	317	Q	Q	Q	Q	6.5	0.07	8.1
5 or More Persons	134.2	123.8	41.1	12.0	93.1	91	Q	Q	Q	Q	Q	Q	20.8

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.

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. • Site electricity is the amount of electricity delivered to households. Primary electricity, which is not included in the "Total of Major Fuels" 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" in *Household Energy Consumption and Expenditures 1993* 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.

Table 63. Total Expenditures in California Households, 1993
(Billion Dollars)

Characteristics	Major Energy Sources ¹	Electricity	Natural Gas	Fuel Oil	Kerosene	Liquefied Petroleum Gas	RSE Row Factors
	RSE Column Factor:	0.6	0.7	0.7	NF	NF	
Total State	10.50	7.39	2.99	Q	Q	0.10	6.4
Climate Zone²							
Under 2,000 CDD and Over 5,500 HDD	Q	Q	Q	Q	Q	Q	NF
Under 5,500 HDD	9.23	6.55	2.58	Q	Q	0.09	6.3
2,000 CDD or More and Under 4,000 HDD	1.27	0.84	0.41	Q	Q	Q	24.0
Type of Housing Unit							
Single-Family	8.09	5.67	2.32	Q	Q	0.08	10.5
Mobile Home	0.21	0.13	Q	Q	Q	Q	70.5
Multifamily (2 or more units)	2.21	1.59	0.61	Q	Q	Q	16.6
Heated Floorspace (square feet)							
Fewer than 1,000	2.25	1.52	0.70	Q	Q	0.02	17.4
1,000 to 1,999	5.71	4.08	1.56	Q	Q	0.05	12.6
2,000 or More	2.55	1.79	0.73	Q	Q	Q	27.7
Ownership of Unit							
Owned	6.91	4.91	1.89	Q	Q	0.08	11.7
Rented	3.60	2.48	1.10	Q	Q	Q	11.8
Year of Construction							
1939 or Before	1.15	0.78	0.36	Q	Q	Q	25.5
1940 to 1979	6.93	4.87	2.02	Q	Q	Q	8.2
1980 or After ³	2.42	1.74	0.61	Q	Q	0.06	16.8
1993 Family Income							
Less than \$10,000	0.94	0.62	0.29	Q	Q	Q	26.8
\$10,000 to \$19,999	1.93	1.29	0.60	Q	Q	Q	16.2
\$20,000 to \$34,999	1.75	1.28	0.45	Q	Q	Q	15.5
\$35,000 to \$49,999	2.11	1.50	0.59	Q	Q	Q	16.6
\$50,000 or More	3.78	2.69	1.06	Q	Q	Q	16.2
Below Poverty Line							
100 Percent	1.35	0.91	0.41	Q	Q	Q	24.2
125 Percent	1.75	1.19	0.54	Q	Q	0.03	15.9
150 Percent	2.13	1.45	0.64	Q	Q	0.04	12.2
Age of Householder							
Under 35 Years	2.12	1.45	0.66	Q	Q	Q	9.4
35 to 59 Years	5.67	4.07	1.55	Q	Q	0.03	10.1
60 Years and Over	2.71	1.87	0.77	Q	Q	0.06	15.4
Household Size							
1 Person	1.40	0.96	0.44	Q	Q	Q	15.7
2 to 4 Persons	7.15	5.05	1.99	Q	Q	0.10	8.6
5 or More Persons	1.95	1.39	0.57	Q	Q	Q	21.4

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.

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" in *Household Energy Consumption and Expenditures 1993* 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.

Table 64. Electricity Consumption and Expenditures in California 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 Factor:	1.6	1.0	1.0	1.0	1.1	1.1	0.4	
Total State	11.1	60.9	20.2	5,924	664	1,609	11.2	3.3
Climate Zone¹								
Under 2,000 CDD and Over 5,500 HDD	Q	Q	Q	Q	Q	Q	Q	NF
Under 5,500 HDD	10.0	60.2	20.0	5,853	653	1,574	11.2	2.6
2,000 CDD or More and Under 4,000 HDD	1.1	67.5	22.4	6,569	766	1,930	11.7	11.7
Type of Housing Unit								
Single-Family	7.3	71.0	23.6	6,905	781	1,970	11.3	3.6
Mobile Home	Q	66.8	22.2	6,500	604	952	9.3	35.0
Multifamily (2 or more units)	3.6	40.5	13.4	3,935	436	930	11.1	5.5
Heated Floorspace (square feet)								
Fewer than 1,000	3.8	39.0	12.9	3,795	403	760	10.6	3.8
1,000 to 1,999	5.6	67.4	22.4	6,555	734	1,663	11.2	2.9
2,000 or More	1.8	86.7	28.8	8,437	996	3,225	11.8	6.9
Ownership of Unit								
Owned	6.0	74.4	24.7	7,235	821	2,094	11.4	3.8
Rented	5.1	45.2	15.0	4,400	481	1,046	10.9	5.1
Year of Construction								
1939 or Before	1.5	48.0	15.9	4,671	507	1,390	10.8	9.2
1940 to 1979	7.0	62.9	20.9	6,117	694	1,598	11.3	3.3
1980 or After ²	2.6	63.1	21.0	6,141	676	1,770	11.0	7.0
1993 Family Income								
Less than \$10,000	1.4	46.5	15.4	4,521	439	1,145	9.7	8.1
\$10,000 to \$19,999	2.5	48.3	16.0	4,696	511	1,117	10.9	5.2
\$20,000 to \$34,999	2.1	56.5	18.7	5,495	605	1,567	11.0	6.9
\$35,000 to \$49,999	2.0	65.9	21.9	6,411	743	1,756	11.6	7.0
\$50,000 or More	3.0	77.8	25.8	7,571	885	2,167	11.7	4.0
Below Poverty Line								
100 Percent	1.7	52.2	17.3	5,082	525	1,132	10.3	7.5
125 Percent	2.3	51.7	17.2	5,026	520	1,157	10.4	7.2
150 Percent	2.8	51.4	17.1	5,004	520	1,139	10.4	5.8
Age of Householder								
Under 35 Years	2.7	50.1	16.6	4,871	533	1,289	10.9	5.6
35 to 59 Years	5.5	67.4	22.4	6,554	744	1,763	11.4	4.0
60 Years and Over	2.9	58.8	19.5	5,722	636	1,619	11.1	3.3
Household Size								
1 Person	2.4	38.8	12.9	3,771	405	1,196	10.7	5.4
2 to 4 Persons	7.1	65.5	21.7	6,371	715	1,712	11.2	3.6
5 or More Persons	1.7	72.5	24.1	7,051	811	1,756	11.5	6.3

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.

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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" in *Household Energy Consumption and Expenditures 1993* 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.

Table 65. Natural Gas Consumption and Expenditures in California 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 Factor:	1.8	1.1	1.1	1.1	1.2	0.3	
Total State	9.6	51.0	49.6	311	1,635	6.26	2.8
Climate Zone: ¹							
Under 2,000 CDD and Over 5,500 HDD	Q	Q	Q	Q	Q	Q	NF
Under 5,500 HDD	8.6	49.5	48.2	301	1,602	6.24	3.1
2,000 CDD or More and Under 4,000 HDD	1.0	63.4	61.7	392	1,909	6.36	8.5
Type of Housing Unit							
Single-Family	6.6	57.9	56.3	352	1,981	6.24	2.9
Mobile Home	Q	Q	Q	Q	Q	Q	NF
Multifamily (2 or more units)	2.9	34.1	33.2	209	877	6.31	5.5
Heated Floorspace (square feet)							
Fewer than 1,000	3.1	36.6	35.6	223	772	6.26	5.8
1,000 to 1,999	4.9	53.1	51.7	320	1,663	6.20	2.4
2,000 or More	1.6	73.1	71.1	453	3,243	6.37	7.7
Ownership of Unit							
Owned	5.1	60.5	58.8	369	2,142	6.27	3.6
Rented	4.5	40.3	39.2	244	1,059	6.22	4.5
Year of Construction							
1939 or Before	1.3	46.5	45.3	281	1,457	6.21	5.5
1940 to 1979	6.2	53.6	52.1	328	1,630	6.29	3.9
1980 or After ²	2.2	46.5	45.3	280	1,756	6.18	8.7
1993 Family Income							
Less than \$10,000	1.1	41.9	40.8	250	1,132	6.13	7.6
\$10,000 to \$19,999	2.1	46.2	44.9	283	1,139	6.29	5.7
\$20,000 to \$34,999	1.7	44.8	43.5	267	1,560	6.12	5.2
\$35,000 to \$49,999	1.9	52.8	51.4	316	1,777	6.16	4.7
\$50,000 or More	2.8	61.1	59.4	379	2,169	6.38	6.0
Below Poverty Line							
100 Percent	1.4	47.6	46.3	286	1,161	6.18	9.8
125 Percent	1.9	46.8	45.5	281	1,170	6.19	8.4
150 Percent	2.3	45.2	44.0	274	1,143	6.23	6.0
Age of Householder							
Under 35 Years	2.4	44.3	43.1	272	1,319	6.31	5.4
35 to 59 Years	4.9	52.1	50.7	317	1,781	6.26	3.7
60 Years and Over	2.3	56.0	54.5	338	1,662	6.20	4.5
Household Size							
1 Person	1.9	37.9	36.9	227	1,159	6.16	6.9
2 to 4 Persons	6.2	52.7	51.3	322	1,735	6.27	3.6
5 or More Persons	1.5	60.4	58.8	369	1,827	6.27	4.4

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.

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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" in *Household Energy Consumption and Expenditures 1993* 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.

**Table 66. Wood Consumption in California Households,
December 1992 through November 1993**

Characteristics	Households Using Wood					Wood Used as Main Space-Heating Fuel					RSE Row Factors
	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 Factor:	0.7	1.0	1.0	1.0	1.0	0.8	1.3	1.3	1.0	1.0	
Total State	3.0	0.06	3.0	20.0	1.0	0.6	0.03	1.6	53.5	2.7	14.7
Climate Zone¹											
Under 2,000 CDD and Over 5,500 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Under 5,500 HDD	2.6	0.05	2.6	19.9	1.0	0.6	0.03	1.6	53.6	2.7	15.0
2,000 CDD or More and Under 4,000 HDD	0.4	0.01	0.4	Q	Q	Q	Q	Q	Q	Q	32.0
Type of Housing Unit											
Single-Family	2.7	0.06	2.8	20.8	1.0	0.6	0.03	1.5	53.1	2.7	20.3
Mobile Home	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Multifamily (2 or more units)	0.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	44.4
Heated Floorspace (square feet)											
Fewer than 1,000	0.2	0.01	0.3	30.5	1.5	0.1	0.01	0.3	49.7	2.5	14.2
1,000 to 1,999	1.8	0.03	1.6	17.1	0.9	0.4	0.02	0.8	44.7	2.2	11.3
2,000 or More	0.9	0.02	1.1	23.5	1.2	0.1	Q	Q	Q	Q	33.8
Ownership of Unit											
Owned	2.3	0.05	2.6	22.4	1.1	0.5	0.03	1.4	53.7	2.7	19.8
Rented	0.7	0.01	0.4	12.2	0.6	Q	Q	Q	Q	Q	24.8
Year of Construction											
1939 or Before	0.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	38.7
1940 to 1979	1.9	0.03	1.7	17.7	0.9	0.4	0.02	0.9	44.7	2.2	9.8
1980 or After ²	0.8	0.01	0.7	17.5	0.9	0.1	(*)	0.2	37.3	1.9	29.0
1993 Family Income											
Less than \$10,000	0.3	0.01	0.7	44.1	2.2	0.2	Q	Q	84.9	4.2	38.6
\$10,000 to \$19,999	0.2	0.01	0.5	44.0	2.2	Q	Q	Q	Q	Q	20.8
\$20,000 to \$34,999	0.5	0.01	0.3	11.6	0.6	Q	Q	Q	Q	Q	33.5
\$35,000 to \$49,999	0.8	0.01	0.5	13.8	0.7	0.2	(*)	0.2	Q	Q	24.8
\$50,000 or More	1.2	0.02	1.0	16.3	0.8	Q	Q	Q	Q	Q	26.9
Below Poverty Line											
100 Percent	0.4	0.01	0.5	29.0	1.4	0.1	Q	Q	Q	Q	17.6
125 Percent	0.4	0.02	0.9	40.0	2.0	0.2	0.02	0.8	82.9	4.1	24.0
150 Percent	0.4	0.02	0.9	40.3	2.0	0.2	0.02	0.8	82.6	4.1	24.3
Age of Householder											
Under 35 Years	0.6	0.01	0.4	13.5	0.7	Q	Q	Q	Q	Q	29.9
35 to 59 Years	1.8	0.04	1.8	20.6	1.0	0.3	0.02	0.8	56.6	2.8	21.3
60 Years and Over	0.7	0.02	0.8	23.9	1.2	0.2	0.01	0.6	58.1	2.9	11.6

See footnotes at end of table.

**Table 66. Wood Consumption in California 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 Factor:	0.7	1.0	1.0	1.0	1.0	0.8	1.3	1.3	1.0	1.0	

Household Size

1 Person	0.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	45.1
2 to 4 Persons	2.2	0.03	1.7	15.6	0.8	0.4	0.02	0.9	46.1	2.3	10.7
5 or More Persons	0.5	0.01	0.6	28.0	1.4	Q	Q	Q	Q	Q	33.9

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.

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

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" in *Household Energy Consumption and Expenditures 1993* 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.

Table 67. Average Expenditures for Major Energy Sources in California 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 Factor:	1.3	0.8	0.6	NF	NF	
Total State	14.5	32.9	6.1	Q	Q	15.4	1.9
Climate Zone²							
Under 2,000 CDD and							
Over 5,500 HDD	Q	Q	Q	Q	Q	Q	NF
Under 5,500 HDD	14.6	32.7	6.1	Q	Q	15.6	1.8
2,000 CDD or More and							
Under 4,000 HDD	13.8	34.2	6.2	Q	Q	Q	7.8
Type of Housing Unit							
Single-Family	14.4	33.1	6.1	Q	Q	15.8	2.2
Mobile Home	Q	27.3	Q	Q	Q	Q	28.2
Multifamily (2 or more units)	14.9	32.4	6.1	Q	Q	Q	2.9
Heated Floorspace (square feet)							
Fewer than 1,000	13.6	31.1	6.1	Q	Q	16.7	3.0
1,000 to 1,999	14.7	32.8	6.0	Q	Q	14.7	2.3
2,000 or More	14.9	34.6	6.2	Q	Q	Q	4.2
Ownership of Unit							
Owned	14.8	33.3	6.1	Q	Q	15.5	2.2
Rented	13.8	32.1	6.1	Q	Q	Q	2.4
Year of Construction							
1939 or Before	13.5	31.8	6.0	Q	Q	Q	4.2
1940 to 1979	14.5	33.2	6.1	Q	Q	Q	1.5
1980 or After ³	15.1	32.3	6.0	Q	Q	15.0	4.0
1993 Family Income							
Less than \$10,000	13.1	28.5	6.0	Q	Q	Q	3.6
\$10,000 to \$19,999	13.7	31.9	6.1	Q	Q	Q	2.6
\$20,000 to \$34,999	14.9	32.3	6.0	Q	Q	Q	3.8
\$35,000 to \$49,999	14.6	34.0	6.0	Q	Q	Q	3.0
\$50,000 or More	15.0	34.2	6.2	Q	Q	Q	3.0
Below Poverty Line							
100 Percent	13.4	30.3	6.0	Q	Q	Q	2.8
125 Percent	13.5	30.3	6.0	Q	Q	16.8	3.0
150 Percent	13.6	30.4	6.1	Q	Q	16.0	2.1
Age of Householder							
Under 35 Years	13.8	32.1	6.1	Q	Q	Q	3.0
35 to 59 Years	14.9	33.3	6.1	Q	Q	14.0	2.8
60 Years and Over	14.2	32.6	6.0	Q	Q	15.7	2.0
Household Size							
1 Person	13.5	31.5	6.0	Q	Q	Q	3.4
2 to 4 Persons	14.7	32.9	6.1	Q	Q	15.3	2.2
5 or More Persons	14.6	33.7	6.1	Q	Q	Q	3.2

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.

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" in *Household Energy Consumption and Expenditures 1993* 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.

Table 68. Total Consumption and Expenditures by End Uses in California Households, 1993

Characteristics	Space Heating		Air Conditioning		Water Heating		Refrigerators		Appliances		RSE Row Factors
	Consumption (trillion Btu)	Expenditures (billion dollars)	Consumption (trillion Btu)	Expenditures (billion dollars)	Consumption (trillion Btu)	Expenditures (billion dollars)	Consumption (trillion Btu)	Expenditures (billion dollars)	Consumption (trillion Btu)	Expenditures (billion dollars)	
	0.9 ¹	0.8 ¹	2.2 ¹	2.2 ¹	0.8 ¹	0.7 ¹	0.8 ¹	0.9 ¹	0.8 ¹	0.8 ¹	
Total State	274.0	2.07	16.4	0.53	207.2	1.51	43.9	1.47	184.3	4.92	5.2
Climate Zone²											
Under 2,000 CDD and Over 5,500 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Under 5,500 HDD	234.8	1.81	13.4	0.43	185.8	1.36	38.7	1.29	161.4	4.34	5.2
2,000 CDD or More and Under 4,000 HDD	39.2	0.27	3.0	0.10	21.4	0.14	5.2	0.18	22.8	0.57	17.1
Type of Housing Unit											
Single-Family	226.9	1.62	12.5	0.41	142.8	0.99	33.6	1.13	145.1	3.92	9.0
Mobile Home	Q	Q	Q	Q	Q	0.04	0.8	0.02	3.7	0.08	51.9
Multifamily (2 or more units)	39.3	0.39	3.7	0.12	60.5	0.48	9.5	0.31	35.5	0.91	12.5
Heated Floorspace (square feet)											
Fewer than 1,000	49.5	0.44	2.4	0.08	63.9	0.48	10.0	0.32	40.2	0.94	15.1
1,000 to 1,999	148.5	1.11	9.4	0.30	104.9	0.75	24.2	0.81	101.5	2.74	10.2
2,000 or More	76.0	0.52	4.5	0.16	38.4	0.28	9.8	0.34	42.6	1.24	19.6
Ownership of Unit											
Owned	191.2	1.41	11.7	0.39	112.5	0.82	29.0	0.98	120.9	3.31	9.8
Rented	82.8	0.66	4.7	0.15	94.7	0.69	15.0	0.49	63.4	1.61	9.8
Year of Construction											
1939 or Before	34.4	0.25	Q	Q	23.8	0.18	4.7	0.15	21.1	0.52	20.4
1940 to 1979	186.3	1.38	8.3	0.27	133.5	0.96	29.5	0.99	122.1	3.33	7.5
1980 or After ³	53.2	0.44	6.9	0.22	49.9	0.37	9.7	0.32	41.1	1.07	14.6
1993 Family Income											
Less than \$10,000	24.0	0.21	2.0	0.05	24.8	0.19	3.9	0.11	16.9	0.38	21.1
\$10,000 to \$19,999	51.2	0.41	2.0	0.07	45.2	0.34	8.4	0.27	34.1	0.84	12.4
\$20,000 to \$34,999	43.8	0.37	2.4	0.08	33.2	0.25	8.3	0.27	29.4	0.78	12.3
\$35,000 to \$49,999	54.7	0.39	3.3	0.11	39.7	0.28	8.1	0.28	38.4	1.05	13.7
\$50,000 or More	100.2	0.71	6.6	0.23	64.4	0.45	15.3	0.53	65.4	1.87	11.9
Below Poverty Line											
100 Percent	30.8	0.25	2.1	0.05	36.2	0.28	5.1	0.16	26.2	0.61	19.5
125 Percent	39.0	0.33	2.8	0.07	48.3	0.37	7.0	0.22	33.0	0.77	14.6
150 Percent	47.5	0.40	3.5	0.09	56.4	0.43	8.8	0.28	40.3	0.94	11.4
Age of Householder											
Under 35 Years	49.4	0.38	3.7	0.11	54.8	0.40	7.5	0.24	38.8	0.99	8.6
35 to 59 Years	135.3	0.99	9.6	0.32	110.9	0.79	23.2	0.79	102.0	2.77	7.9
60 Years and Over	89.2	0.70	3.0	0.10	41.5	0.32	13.2	0.44	43.5	1.16	11.7
Household Size											
1 Person	46.0	0.35	2.2	0.07	26.8	0.19	7.3	0.24	21.1	0.54	12.7
2 to 4 Persons	188.2	1.42	11.8	0.39	133.6	0.98	30.0	1.00	124.3	3.36	7.2
5 or More Persons	39.8	0.30	2.3	0.08	46.7	0.33	6.6	0.23	38.8	1.02	17.3

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.

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.

• Consumption and Expenditures data are for major energy sources which include: electricity, natural gas, fuel oil, kerosene, and liquefied petroleum gas. • See "Glossary" in *Household Energy Consumption and Expenditures 1993* 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.

Table 69. Consumption by End Uses, per California Households, 1993

Characteristics	All Uses		Space Heating		Air Conditioning		Water Heating		Refrigerator		Appliances		RSE Row Factors
	Households (million)	Consumption (million Btu)	Households (million)	Consumption (million Btu)	Households (million)	Consumption (million Btu)	Households (million)	Consumption (million Btu)	Households (million)	Consumption (million Btu)	Households (million)	Consumption (million Btu)	
	1.0	0.6	1.1	1.2 ¹	2.5	1.7 ¹	1.0	0.6 ¹	1.0	0.7 ¹	1.0	0.7 ¹	
Total State	11.1	65.2	10.6	25.8	4.4	3.7	11.1	18.7	11.1	4.0	11.1	16.6	5.1
Climate Zone²													
Under 2,000 CDD and Over 5,500 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Under 5,500 HDD	10.0	63.2	9.5	24.6	3.7	3.6	10.0	18.6	10.0	3.9	10.0	16.1	2.7
2,000 CDD or More and Under 4,000 HDD	1.1	83.3	1.1	35.6	0.8	4.0	1.1	19.4	1.1	4.8	1.1	20.7	11.9
Type of Housing Unit													
Single-Family	7.3	77.3	6.9	32.7	2.9	4.3	7.2	19.8	7.3	4.6	7.3	20.0	5.1
Mobile Home	Q	73.8	Q	Q	Q	Q	Q	17.4	Q	3.6	Q	16.7	40.3
Multifamily (2 or more units)	3.6	40.8	3.5	11.3	1.5	2.5	3.6	16.6	3.6	2.6	3.6	9.7	8.0
Heated Floorspace (square feet)													
Fewer than 1,000	3.8	44.0	3.4	14.6	1.2	2.0	3.8	17.0	3.7	2.7	3.8	10.7	8.6
1,000 to 1,999	5.6	69.9	5.5	27.2	2.4	3.9	5.5	19.0	5.6	4.3	5.6	18.3	6.4
2,000 or More	1.8	95.3	1.8	42.9	0.8	5.4	1.8	21.4	1.8	5.4	1.8	23.7	12.5
Ownership of Unit													
Owned	6.0	77.8	5.8	32.9	2.7	4.3	5.9	19.0	6.0	4.8	6.0	20.2	6.3
Rented	5.1	50.6	4.8	17.2	1.7	2.7	5.1	18.4	5.1	2.9	5.1	12.3	6.8
Year of Construction													
1939 or Before	1.5	55.7	1.3	26.3	0.3	4.9	1.5	15.5	1.5	3.1	1.5	13.8	11.8
1940 to 1979	7.0	68.3	6.8	27.5	2.5	3.3	7.0	19.1	7.0	4.2	7.0	17.4	5.6
1980 or After ³	2.6	62.5	2.6	20.8	1.7	4.1	2.6	19.4	2.6	3.8	2.6	16.0	10.8
1993 Family Income													
Less than \$10,000	1.4	50.3	1.3	18.2	0.6	3.6	1.4	17.4	1.4	2.8	1.4	11.9	13.6
\$10,000 to \$19,999	2.5	55.9	2.3	22.4	0.8	2.5	2.5	18.1	2.5	3.3	2.5	13.5	9.1
\$20,000 to \$34,999	2.1	55.4	2.1	21.2	0.8	3.0	2.1	15.7	2.1	3.9	2.1	13.9	9.0
\$35,000 to \$49,999	2.0	71.3	2.0	27.3	0.8	4.0	2.0	19.6	2.0	4.0	2.0	19.0	8.5
\$50,000 or More	3.0	82.7	2.9	34.0	1.4	4.6	3.0	21.3	3.0	5.0	3.0	21.5	7.4
Below Poverty Line													
100 Percent	1.7	58.1	1.6	19.8	0.6	3.6	1.7	20.9	1.7	3.0	1.7	15.1	13.6
125 Percent	2.3	57.1	2.1	18.9	0.9	3.3	2.3	21.2	2.3	3.1	2.3	14.5	11.8
150 Percent	2.8	56.2	2.5	18.8	1.1	3.3	2.8	20.2	2.8	3.2	2.8	14.5	9.8
Age of Householder													
Under 35 Years	2.7	56.8	2.5	19.8	1.0	3.6	2.7	20.2	2.7	2.8	2.7	14.3	6.4
35 to 59 Years	5.5	69.7	5.3	25.7	2.2	4.4	5.5	20.3	5.5	4.2	5.5	18.6	5.9
60 Years and Over	2.9	64.7	2.9	31.0	1.2	2.5	2.9	14.3	2.9	4.5	2.9	14.8	9.1
Household Size													
1 Person	2.4	43.8	2.2	20.6	0.9	2.5	2.3	11.5	2.4	3.1	2.4	9.0	8.7
2 to 4 Persons	7.1	69.2	6.9	27.5	3.0	3.9	7.0	19.0	7.0	4.3	7.1	17.6	4.5
5 or More Persons	1.7	78.6	1.5	25.8	0.6	4.1	1.7	27.3	1.7	3.9	1.7	22.7	10.0

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

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

³ Does not include all new construction for 1993.

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.

• Consumption and Expenditure data are for major energy sources which include: electricity, natural gas, fuel oil, kerosene, and liquefied petroleum gas. • See "Glossary" in *Household Energy Consumption and Expenditures 1993* 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.

Table 70. Expenditures by End Uses, per California Households, 1993

Characteristics	All Uses		Space Heating		Air Conditioning		Water Heating		Refrigerators		Appliances		RSE Row Factors
	Households (mil- lion)	Expend- itures (dol- lars)	House- holds (mil- lion)	Expend- itures (dol- lars)	House- holds (mil- lion)	Expend- itures (dol- lars)	House- holds (mil- lion)	Expend- itures (dol- lars)	House- holds (mil- lion)	Expend- itures (dol- lars)	House- holds (mil- lion)	Expend- itures (dol- lars)	
	1.0	0.6	1.1	0.9 ¹	2.5	1.7 ¹	1.0	0.5 ¹	1.0	0.8 ¹	1.0	0.8 ¹	
Total State	11.1	944	10.6	195	4.4	120	11.1	136	11.1	132	11.1	442	5.0
Climate Zone²													
Under 2,000 CDD and Over 5,500 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Under 5,500 HDD	10.0	921	9.5	190	3.7	117	10.0	137	10.0	129	10.0	433	2.7
2,000 CDD or More and Under 4,000 HDD	1.1	1,152	1.1	244	0.8	135	1.1	131	1.1	164	1.1	521	12.0
Type of Housing Unit													
Single-Family	7.3	1,114	6.9	233	2.9	144	7.2	138	7.3	156	7.3	541	5.3
Mobile Home	Q	950	Q	277	Q	Q	Q	160	Q	109	Q	Q	54.1
Multifamily (2 or more units)	3.6	606	3.5	114	1.5	77	3.6	131	3.6	86	3.6	249	8.5
Heated Floorspace (square feet)													
Fewer than 1,000	3.8	597	3.4	129	1.2	63	3.8	127	3.7	85	3.8	249	8.3
1,000 to 1,999	5.6	1,026	5.5	204	2.4	124	5.5	136	5.6	145	5.6	492	5.9
2,000 or More	1.8	1,417	1.8	296	0.8	191	1.8	155	1.8	190	1.8	691	12.0
Ownership of Unit													
Owned	6.0	1,155	5.8	243	2.7	144	5.9	138	6.0	164	6.0	553	6.1
Rented	5.1	699	4.8	138	1.7	84	5.1	135	5.1	95	5.1	312	7.1
Year of Construction													
1939 or Before	1.5	749	1.3	192	0.3	165	1.5	117	1.5	101	1.5	341	12.3
1940 to 1979	7.0	987	6.8	204	2.5	107	7.0	138	7.0	142	7.0	474	5.1
1980 or After ³	2.6	942	2.6	173	1.7	133	2.6	143	2.6	126	2.6	414	10.8
1993 Family Income													
Less than \$10,000	1.4	659	1.3	157	0.6	84	1.4	134	1.4	82	1.4	267	13.9
\$10,000 to \$19,999	2.5	764	2.3	179	0.8	80	2.5	137	2.5	108	2.5	333	8.8
\$20,000 to \$34,999	2.1	827	2.1	177	0.8	100	2.1	119	2.1	128	2.1	369	8.9
\$35,000 to \$49,999	2.0	1,043	2.0	193	0.8	137	2.0	138	2.0	139	2.0	519	9.6
\$50,000 or More	3.0	1,241	2.9	240	1.4	159	3.0	148	3.0	174	3.0	613	7.0
Below Poverty Line													
100 Percent	1.7	781	1.6	163	0.6	88	1.7	162	1.7	92	1.7	351	13.7
125 Percent	2.3	769	2.1	158	0.9	84	2.3	161	2.3	96	2.3	338	11.8
150 Percent	2.8	766	2.5	157	1.1	88	2.8	154	2.8	100	2.8	337	10.0
Age of Householder													
Under 35 Years	2.7	783	2.5	154	1.0	110	2.7	146	2.7	90	2.7	364	7.4
35 to 59 Years	5.5	1,036	5.3	189	2.2	145	5.5	145	5.5	145	5.5	506	5.6
60 Years and Over	2.9	921	2.9	241	1.2	84	2.9	110	2.9	149	2.9	393	8.2
Household Size													
1 Person	2.4	592	2.2	159	0.9	78	2.3	82	2.4	100	2.4	230	7.5
2 to 4 Persons	7.1	1,014	6.9	208	3.0	129	7.0	140	7.0	143	7.1	476	4.6
5 or More Persons	1.7	1,143	1.5	192	0.6	141	1.7	196	1.7	133	1.7	595	9.7

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.

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.

• Consumption and Expenditure data are for major energy sources which include: electricity, natural gas, fuel oil, kerosene, and liquefied petroleum gas. • See "Glossary" in *Household Energy Consumption and Expenditures 1993* 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.

Table 71. Total Electricity and Natural Gas Consumption and Expenditures for Space Heating in California Households, 1993

Characteristics	Electricity				Natural Gas				RSE Row Factors
	Households (million)	Total Consumed		Total Expenditures (billion dollars)	Households (million)	Total Consumed		Total Expenditures (billion dollars)	
		(trillion Btu)	(billion kWh)			(trillion Btu)	(billion cubic feet)		
RSE Column Factor:	1.0	1.3 ¹	1.3 ¹	1.3 ¹	0.7	0.8 ¹	0.8 ¹	0.9 ¹	
Total State	3.9	16.4	4.8	0.50	8.1	251.8	245	1.51	6.7
Climate Zone²									
Under 2,000 CDD and Over 5,500 HDD	Q	Q	Q	Q	Q	Q	Q	Q	NF
Under 5,500 HDD	3.7	15.6	4.6	0.47	7.2	213.6	208	1.28	7.4
2,000 CDD or More and Under 4,000 HDD	0.2	0.9	0.3	0.03	1.0	38.2	37	0.24	12.5
Type of Housing Unit									
Single-Family	2.0	9.6	2.8	0.29	6.0	212.1	206	1.27	9.8
Mobile Home	Q	Q	Q	Q	Q	Q	Q	Q	NF
Multifamily (2 or more units)	1.8	6.1	1.8	0.19	2.0	32.9	32	0.20	16.5
Heated Floorspace (square feet)									
Fewer than 1,000	1.5	5.8	1.7	0.17	2.2	42.6	41	0.25	16.5
1,000 to 1,999	2.0	8.7	2.5	0.26	4.4	136.4	133	0.81	11.4
2,000 or More	0.4	2.0	0.6	0.06	1.6	72.8	71	0.45	26.5
Ownership of Unit									
Owned	1.9	9.2	2.7	0.28	4.7	176.5	172	1.07	10.7
Rented	2.1	7.2	2.1	0.22	3.4	75.3	73	0.44	12.7
Year of Construction									
1939 or Before	0.4	1.9	0.6	0.06	1.2	31.8	31	0.19	24.1
1940 to 1979	2.4	9.8	2.9	0.31	5.4	174.3	170	1.05	10.3
1980 or After ³	1.1	4.7	1.4	0.14	1.6	45.7	44	0.27	16.8
1993 Family Income									
Less than \$10,000	0.7	2.8	0.8	0.08	0.8	20.5	20	0.12	21.4
\$10,000 to \$19,999	1.1	3.4	1.0	0.11	1.6	46.2	45	0.28	14.6
\$20,000 to \$34,999	0.7	4.4	1.3	0.13	1.6	38.7	38	0.23	17.0
\$35,000 to \$49,999	0.7	2.4	0.7	0.07	1.7	50.9	50	0.30	14.5
\$50,000 or More	0.7	3.4	1.0	0.11	2.6	95.5	93	0.59	19.3
Below Poverty Line									
100 Percent	0.8	2.8	0.8	0.09	1.0	27.3	27	0.16	18.2
125 Percent	1.1	3.8	1.1	0.11	1.2	34.5	34	0.20	13.9
150 Percent	1.2	4.5	1.3	0.13	1.6	41.7	41	0.25	14.1
Age of Householder									
Under 35 Years	1.1	3.3	1.0	0.10	1.8	45.9	45	0.28	11.5
35 to 59 Years	1.6	7.4	2.2	0.22	4.3	125.6	122	0.76	11.3
60 Years and Over	1.2	5.7	1.7	0.18	2.0	80.3	78	0.48	16.3
Household Size									
1 Person	0.9	3.4	1.0	0.10	1.6	42.2	41	0.25	16.2
2 to 4 Persons	2.3	10.6	3.1	0.32	5.4	172.2	168	1.04	8.5
5 or More Persons	0.7	2.4	0.7	0.07	1.2	37.4	36	0.22	16.5

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.

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" in *Household Energy Consumption and Expenditures 1993* for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-457 A, B, C, E, and F of the 1993 Residential Energy Consumption Survey.

Table 72. Electricity Consumption and Expenditures for Main Space Heating, per California Households, 1993

Characteristics	Households (million)	Consumption		Expenditures (dollars)	Heated Floorspace (square feet)	Annual Heating Degree-Days		Electricity Space-Heating Intensity		RSE Row Factors
		(million Btu)	(kWh)			1993	30-Year Average ²	Consumption (kWh/HDD* 1000 square feet)	Expenditures (cents/HDD* 1000 square feet)	
Total State	2.2	6.3	1,853	192	1,118	1,932	2,305	0.86	8.9	7.5
Climate Zone²										
Under 2,000 CDD and Over 5,500 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Under 5,500 HDD	2.1	6.3	1,846	189	1,106	1,821	2,195	0.92	9.4	6.6
2,000 CDD or More and Under 4,000 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Type of Housing Unit										
Single-Family	0.6	11.8	3,469	351	1,555	2,315	2,614	0.96	9.7	10.9
Mobile Home	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Multifamily (2 or more units)	1.5	3.8	1,118	122	948	1,686	2,100	0.70	7.6	11.1
Heated Floorspace (square feet)										
Fewer than 1,000	1.1	4.7	1,377	139	684	2,067	2,451	0.97	9.8	9.4
1,000 to 1,999	0.9	7.7	2,270	234	1,420	1,791	2,145	0.89	9.2	10.6
2,000 or More	0.2	9.7	2,852	325	2,468	1,770	2,168	0.65	7.4	27.7
Ownership of Unit										
Owned	0.7	10.4	3,051	319	1,604	2,164	2,513	0.88	9.2	12.7
Rented	1.5	4.3	1,272	130	883	1,819	2,204	0.79	8.1	11.3
Year of Construction										
1939 or Before	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
1940 to 1979	1.2	6.7	1,970	211	1,226	1,810	2,191	0.89	9.5	14.1
1980 or After ³	0.8	5.2	1,527	151	1,041	2,007	2,359	0.73	7.2	17.4
1993 Family Income										
Less than \$10,000	0.5	4.7	1,375	133	855	1,988	2,351	0.81	7.8	21.7
\$10,000 to \$19,999	0.7	4.1	1,213	132	806	1,815	2,225	0.83	9.0	11.5
\$20,000 to \$34,999	0.5	8.1	2,389	244	1,340	1,969	2,329	0.91	9.2	20.2
\$35,000 to \$49,999	0.2	7.6	2,232	221	1,425	1,972	2,301	0.79	7.8	15.7
\$50,000 or More	0.3	10.5	3,079	333	1,742	2,029	2,387	0.87	9.4	22.3
Below Poverty Line										
100 Percent	0.6	4.1	1,195	127	881	1,700	2,094	0.80	8.5	12.1
125 Percent	0.8	4.0	1,161	123	864	1,725	2,131	0.78	8.3	11.9
150 Percent	0.9	4.4	1,283	132	864	1,817	2,207	0.82	8.4	13.7
Age of Householder										
Under 35 Years	0.7	4.0	1,166	122	982	1,876	2,257	0.63	6.6	10.6
35 to 59 Years	0.8	7.9	2,311	228	1,209	2,055	2,400	0.93	9.2	13.1
60 Years and Over	0.7	6.9	2,022	220	1,152	1,846	2,242	0.95	10.4	20.9
Household Size										
1 Person	0.7	4.8	1,399	141	933	1,708	2,115	0.88	8.9	13.2
2 to 4 Persons	1.2	7.1	2,095	219	1,229	2,081	2,438	0.82	8.6	8.7
5 or More Persons	0.3	6.3	1,851	189	1,069	1,814	2,175	0.95	9.8	15.9

See footnotes at end of table.

Table 72. Electricity Consumption and Expenditures for Main Space Heating, per California Households, 1993 (Continued)

Characteristics	Households (million)	Consumption		Expenditures (dollars)	Heated Floorspace (square feet)	Annual Heating Degree-Days		Electricity Space-Heating Intensity		RSE Row Factors
		(million Btu)	(kWh)			1993	30-Year Average ²	Consumption (kWh/HDD* 1000 square feet)	Expenditures (cents/HDD* 1000 square feet)	
RSE Column Factor:	1.5	1.1 ¹	1.1 ¹	1.1 ¹	0.7	1.0	0.8	0.9 ¹	1.0 ¹	
Main Heating Equipment Using Electricity										
Central Warm-Air Furnace	0.7	5.7	1,669	179	1,174	2,122	2,491	0.67	7.2	14.4
Built-In Electric Units	0.8	6.1	1,797	188	1,133	1,709	2,079	0.93	9.7	13.0
Heat Pump	0.3	7.9	2,311	230	1,395	2,037	2,466	0.81	8.1	18.5
Other	0.3	6.8	1,987	195	746	1,994	2,334	1.34	13.1	15.2
Age of Main Heating Equipment										
Less than 5 Years	0.4	4.7	1,379	143	810	1,635	1,984	1.04	10.8	18.4
5 to 9 Years	0.2	6.4	1,881	175	1,306	2,047	2,396	0.70	6.5	18.9
10 to 19 Years	0.4	10.5	3,092	306	1,201	2,468	2,767	1.04	10.3	16.2
20 Years or More	0.6	6.4	1,867	204	1,303	1,550	1,989	0.92	10.1	21.4
Don't Know	0.5	4.6	1,351	145	1,025	2,197	2,578	0.60	6.4	15.5
Secondary Heating Fuel (more than one may apply)										
No	1.5	4.5	1,314	138	970	1,778	2,178	0.76	8.0	9.9
Yes	0.6	10.8	3,153	321	1,476	2,304	2,611	0.93	9.4	11.9
Wood	0.3	12.7	3,712	395	1,884	2,404	2,710	0.82	8.7	15.8
Electricity	0.2	12.7	3,725	365	1,100	2,682	2,949	1.26	12.4	16.5
Natural Gas	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Kerosene	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Average Electricity Expenditures for Main Space Heat (cents per kWh)										
Less than 6	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
6 to Less than 9	0.3	13.7	4,009	288	1,229	3,730	3,838	0.87	6.3	14.2
9 or More	1.9	5.1	1,508	177	1,100	1,637	2,054	0.84	9.8	8.9
Adequacy of Insulation										
Well Insulated	0.8	6.8	1,979	201	1,241	1,962	2,303	0.81	8.3	15.4
Adequately Insulated	0.8	6.0	1,746	180	1,118	2,041	2,428	0.77	7.9	14.2
Poorly Insulated	0.6	6.3	1,838	195	963	1,746	2,139	1.09	11.6	16.0

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

² The 30-year average and 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.

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" in *Household Energy Consumption and Expenditures 1993* 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.

Table 73. Natural Gas Consumption and Expenditures for Main Space Heating, per California Households, 1993

Characteristics	Households (million)	Consumption		Expenditures (dollars)	Heated Floorspace (square feet)	Annual Heating Degree-Days		Natural Gas Space-Heating Intensity		RSE Row Factors
		(million Btu)	(1000 cubic feet)			1993	30-Year Average ²	Consumption (cubic feet/HDD*1000 square feet)	Expenditures (cents/HDD*1000 square feet)	
Total State	7.9	31.3	30.5	188	1,496	1,961	2,339	10.4	6.4	4.0
Climate Zone²										
Under 2,000 CDD and Over 5,500 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Under 5,500 HDD	6.9	30.1	29.3	180	1,471	1,744	2,127	11.4	7.0	4.1
2,000 CDD or More and Under 4,000 HDD	1.0	39.8	38.7	247	1,676	3,513	3,859	6.6	4.2	12.7
Type of Housing Unit										
Single-Family	5.8	35.6	34.7	215	1,719	1,944	2,322	10.4	6.4	3.8
Mobile Home	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Multifamily (2 or more units)	1.9	17.0	16.5	101	867	1,808	2,195	10.5	6.5	9.0
Heated Floorspace (square feet)										
Fewer than 1,000	2.2	19.6	19.1	117	705	1,877	2,253	14.4	8.8	11.2
1,000 to 1,999	4.2	31.4	30.6	188	1,406	1,962	2,344	11.1	6.8	3.6
2,000 or More	1.5	47.6	46.3	293	2,869	2,076	2,450	7.8	4.9	9.9
Ownership of Unit										
Owned	4.6	37.5	36.5	227	1,831	2,020	2,396	9.9	6.1	4.9
Rented	3.3	22.7	22.0	134	1,026	1,877	2,260	11.4	7.0	7.0
Year of Construction										
1939 or Before	1.1	29.2	28.4	173	1,368	1,752	2,142	11.8	7.2	11.1
1940 to 1979	5.3	32.3	31.5	195	1,457	1,847	2,229	11.7	7.2	4.7
1980 or After ³	1.5	29.3	28.5	177	1,717	2,495	2,854	6.7	4.1	9.3
1993 Family Income										
Less than \$10,000	0.7	27.3	26.5	160	1,044	2,047	2,428	12.4	7.5	8.3
\$10,000 to \$19,999	1.5	30.5	29.7	182	1,090	2,013	2,393	13.5	8.3	9.3
\$20,000 to \$34,999	1.5	25.4	24.8	150	1,385	1,979	2,367	9.0	5.5	7.8
\$35,000 to \$49,999	1.6	30.0	29.2	178	1,541	1,962	2,340	9.7	5.9	7.6
\$50,000 or More	2.6	37.2	36.2	229	1,899	1,894	2,266	10.1	6.4	6.8
Below Poverty Line										
100 Percent	0.9	29.2	28.4	170	1,095	2,068	2,451	12.5	7.5	10.3
125 Percent	1.2	28.9	28.1	169	1,088	2,140	2,514	12.1	7.3	10.5
150 Percent	1.5	26.6	25.9	157	1,068	2,040	2,418	11.9	7.2	8.1
Age of Householder										
Under 35 Years	1.7	25.3	24.6	154	1,270	1,848	2,226	10.5	6.6	6.8
35 to 59 Years	4.2	29.5	28.7	178	1,584	1,975	2,344	9.2	5.7	5.4
60 Years and Over	2.0	40.4	39.3	240	1,507	2,028	2,427	12.9	7.9	6.2
Household Size										
1 Person	1.5	27.8	27.0	164	1,099	1,882	2,256	13.1	7.9	10.2
2 to 4 Persons	5.2	32.4	31.5	196	1,576	1,968	2,347	10.2	6.3	4.4
5 or More Persons	1.2	31.1	30.2	184	1,634	2,026	2,409	9.1	5.6	7.3

See footnotes at end of table.

Table 73. Natural Gas Consumption and Expenditures for Main Space Heating, per California Households, 1993 (Continued)

Characteristics	Households (million)	Consumption		Expenditures (dollars)	Heated Floorspace (square feet)	Annual Heating Degree-Days		Natural Gas Space-Heating Intensity		RSE Row Factors
		(million Btu)	(1000 cubic feet)			1993	30-Year Average ²	Consumption (cubic feet/HDD*1000 square feet)	Expenditures (cents/HDD*1000 square feet)	
RSE Column Factor:	1.4	1.3 ¹	1.3 ¹	1.3 ¹	0.9	0.7	0.6	0.9 ¹	1.0 ¹	
Main Heating Equipment										
Using Natural Gas										
Central Warm-Air Furnace	5.0	36.5	35.5	219	1,763	2,147	2,523	9.4	5.8	4.6
Steam or Hot-Water System	0.2	15.7	15.3	104	799	1,323	1,717	14.5	9.8	30.3
Floor, Wall, or Pipeless Furnace	2.4	23.4	22.7	140	1,071	1,673	2,057	12.7	7.8	6.0
Room Heater/Other	0.3	18.7	18.2	112	865	1,548	1,916	13.6	8.3	12.3
Age of Main Heating Equipment										
Less than 5 Years	1.0	31.6	30.7	186	1,610	1,868	2,213	10.2	6.2	6.7
5 to 9 Years	1.1	34.1	33.2	211	1,589	2,281	2,643	9.2	5.8	10.5
10 to 19 Years	1.5	34.7	33.8	208	1,649	2,150	2,510	9.5	5.9	5.5
20 Years or More	3.1	30.8	30.0	186	1,449	1,756	2,161	11.8	7.3	6.9
Don't Know	1.2	25.3	24.6	150	1,232	2,017	2,395	9.9	6.0	9.1
Secondary Heating Fuel (more than one may apply)										
No	3.5	35.6	34.7	212	1,742	2,167	2,545	9.2	5.6	4.9
Yes	4.4	27.9	27.1	169	1,300	1,796	2,175	11.6	7.3	6.2
Wood	2.2	40.6	39.5	241	1,976	2,348	2,726	8.5	5.2	7.1
Electricity	1.4	30.3	29.5	176	1,369	1,934	2,334	11.1	6.7	6.1
Kerosene	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Other	0.6	31.6	30.7	200	1,736	1,782	2,194	9.9	6.5	8.9
Average Natural Gas Expenditures for Main Space Heat (dollars per 1000 cf)										
Less than 4.50	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
4.50 to Less than 6	3.6	33.7	32.8	184	1,450	2,328	2,676	9.7	5.5	5.7
6 or More	4.2	29.5	28.7	194	1,547	1,638	2,044	11.3	7.7	6.0
Adequacy of Insulation										
Well Insulated	2.2	31.4	30.6	192	1,668	2,072	2,435	8.8	5.5	6.8
Adequately Insulated	3.4	30.4	29.6	181	1,494	1,947	2,332	10.2	6.2	5.3
Poorly Insulated	2.2	32.6	31.7	196	1,325	1,869	2,254	12.8	7.9	7.2

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

² The 30-year average and 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.

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" in *Household Energy Consumption and Expenditures 1993* 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.

Table 74. Electricity Consumption and Expenditures for All Air Conditioning and Central Air Conditioning, California Households, 1993

Characteristics	Electricity Used for All Air Conditioning			Electricity Used for Central Air Conditioning ²									RSE Row Factors
	Households (million)	Total Consumption (trillion Btu)	Total Expenditures (billion dollars)	Households (million)	per Household								
					Consumption		Expenditures (dollars)	Cooled Floor-space (square feet)	Annual Cooling Degree-Days		Electric Air-Conditioning Intensity		
					(million Btu)	(kWh)			1993	30-Year Average ³	Consumption (kWh/CDD*1000 square feet)	Expenditures (cents/CDD*1000 square feet)	
RSE Column Factor:	1.4	1.7 ¹	1.7 ¹	1.6	0.7 ¹	0.7 ¹	0.8 ¹	0.6	0.7	0.7	0.8 ¹	0.9 ¹	
Total State	4.4	15.8	0.53	3.2	4.3	1,273	146	1,824	1,134	1,135	0.62	7.0	8.7
Climate Zone³													
Under 2,000 CDD and Over 5,500 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Under 5,500 HDD	3.7	12.8	0.43	2.5	4.4	1,285	147	1,801	1,175	1,152	0.61	6.9	9.9
2,000 CDD or More and Under 4,000 HDD	0.8	3.0	0.10	0.7	4.2	1,229	142	1,915	977	1,068	0.66	7.6	19.3
Type of Housing Unit													
Single-Family	2.9	11.9	0.41	2.2	4.9	1,436	168	2,160	1,084	1,094	0.61	7.2	10.2
Mobile Home	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Multifamily (2 or more units)	1.5	3.7	0.12	1.0	3.1	906	96	1,080	1,270	1,245	0.66	7.0	13.7
Heated Floorspace (square feet)													
Fewer than 1,000	1.2	2.4	0.08	0.6	2.5	747	78	813	1,201	1,179	0.76	7.9	16.7
1,000 to 1,999	2.4	8.9	0.29	1.8	4.4	1,292	146	1,719	1,126	1,135	0.67	7.6	10.1
2,000 or More	0.8	4.5	0.16	0.8	5.7	1,658	200	2,884	1,099	1,099	0.52	6.3	13.5
Ownership of Unit													
Owned	2.7	11.1	0.38	2.1	4.9	1,438	170	2,158	1,094	1,105	0.61	7.2	9.2
Rented	1.7	4.7	0.15	1.1	3.3	973	102	1,216	1,208	1,189	0.66	7.0	12.7
Year of Construction													
1939 or Before	0.3	Q	Q	Q	Q	Q	Q	Q	Q	Q	0.90	10.2	33.3
1940 to 1979	2.5	7.7	0.26	1.6	4.0	1,174	138	1,898	1,003	1,002	0.62	7.3	12.8
1980 or After ⁴	1.7	6.8	0.22	1.5	4.3	1,270	142	1,772	1,212	1,218	0.59	6.6	15.1
1993 Family Income													
Less than \$10,000	0.5	1.5	0.04	0.3	3.5	1,031	98	1,142	1,226	1,192	0.74	7.0	21.4
\$10,000 to \$19,999	0.8	2.0	0.07	0.5	3.1	916	103	1,308	1,268	1,274	0.55	6.2	14.2
\$20,000 to \$34,999	0.8	2.4	0.08	0.6	3.7	1,081	121	1,780	1,062	1,077	0.57	6.4	16.7
\$35,000 to \$49,999	0.8	3.3	0.11	0.6	4.8	1,408	164	1,824	1,200	1,172	0.64	7.5	15.8
\$50,000 or More	1.4	6.5	0.23	1.2	5.2	1,529	181	2,267	1,052	1,067	0.64	7.6	10.7
Below Poverty Line													
100 Percent	0.6	1.5	0.05	0.3	3.5	1,036	104	1,133	1,322	1,296	0.69	7.0	18.3
125 Percent	0.8	2.3	0.07	0.5	3.3	976	97	1,221	1,298	1,259	0.62	6.1	14.8
150 Percent	1.0	2.9	0.09	0.6	3.6	1,059	109	1,284	1,246	1,221	0.66	6.8	14.4
Age of Householder													
Under 35 Years	1.0	3.7	0.11	0.8	4.0	1,162	122	1,487	1,207	1,164	0.65	6.8	13.0
35 to 59 Years	2.2	9.1	0.31	1.7	4.9	1,441	171	2,074	1,132	1,138	0.61	7.3	11.0
60 Years and Over	1.2	3.0	0.10	0.7	3.4	1,009	115	1,638	1,053	1,093	0.58	6.7	15.8

See footnotes at end of table.

Table 74. Electricity Consumption and Expenditures for All Air Conditioning and Central Air Conditioning, California Households, 1993 (Continued)

Characteristics	Electricity Used for All Air Conditioning			Electricity Used for Central Air Conditioning ²									RSE Row Factors
	Households (million)	Total Consumption (trillion Btu)	Total Expenditures (billion dollars)	Households (million)	per Household								
					Consumption		Expenditures (dollars)	Cooled Floor-space (square feet)	Annual Cooling Degree-Days		Electric Air-Conditioning Intensity		
					(million Btu)	(kWh)			1993	30-Year Average ³	Consumption (kWh/CDD*1000 square feet)	Expenditures (cents/CDD*1000 square feet)	
RSE Column Factor:	1.4	1.7 ¹	1.7 ¹	1.6	0.7 ¹	0.7 ¹	0.8 ¹	0.6	0.7	0.7	0.8 ¹	0.9 ¹	
Household Size													
1 Person	0.9	2.2	0.07	0.5	3.8	1,102	117	1,366	1,351	1,346	0.60	6.3	21.8
2 to 4 Persons	3.0	11.3	0.38	2.3	4.3	1,260	145	1,923	1,071	1,071	0.61	7.1	10.1
5 or More Persons	0.6	2.3	0.08	0.4	5.3	1,557	183	1,791	1,253	1,263	0.69	8.1	21.6
Cooling Degree-Days (CDD)-1993													
2,000 or More	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
1,000 to 1,999	2.8	11.6	0.39	2.1	5.0	1,453	168	1,777	1,431	1,398	0.57	6.6	10.3
500 to 999	0.7	1.9	0.06	0.4	3.5	1,037	115	1,980	754	712	0.69	7.7	11.7
Fewer than 500	0.9	1.8	0.06	0.7	2.5	721	80	1,906	274	415	1.38	15.3	12.6
Average Electricity Expenditures (cents per kWh)													
Less than 6	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
6 to Less than 9	0.6	Q	Q	Q	4.0	1,179	88	1,743	1,143	1,095	0.59	4.4	25.1
9 or More	3.8	13.8	0.48	2.8	4.4	1,286	155	1,842	1,131	1,139	0.62	7.5	9.5
Number of Rooms Usually Air Conditioned													
1 to 3	1.2	1.8	0.06	0.4	2.2	645	62	935	1,043	1,060	0.66	6.4	19.2
4 to 6	2.2	8.0	0.26	1.9	3.8	1,121	125	1,625	1,155	1,145	0.60	6.7	10.1
7 or More	1.0	6.0	0.21	1.0	6.2	1,816	219	2,562	1,131	1,146	0.63	7.5	11.3
Frequency of Use of Air Conditioning⁵													
Only a Few Times	2.9	7.1	0.23	1.9	3.1	899	100	1,857	1,092	1,080	0.44	4.9	10.2
Quite a Bit	0.9	4.3	0.15	0.8	5.0	1,476	175	1,680	1,077	1,109	0.82	9.7	17.0
All Summer	0.6	4.4	0.15	0.5	8.0	2,337	269	1,916	1,371	1,371	0.89	10.2	14.9
Age of Air Conditioning Equipment⁵													
Less than 5 Years	1.0	3.5	0.11	0.6	4.9	1,431	161	1,717	1,213	1,180	0.69	7.7	14.0
5 to 9 Years	1.0	4.4	0.14	0.9	4.6	1,334	150	1,779	1,133	1,160	0.66	7.4	14.1
10 or More Years	1.7	5.8	0.20	1.2	4.2	1,237	148	2,155	1,069	1,082	0.54	6.4	13.6
Don't Know	0.7	2.1	0.07	0.5	3.6	1,055	116	1,288	1,189	1,154	0.69	7.6	21.5

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

² Some households have a central air conditioner and one or more room air conditioners. These households are included only under central air conditioners and not included under room air conditioners.

³ The 30-year average and climate zones are based on annual degree-days that are averaged over 30 years from 1961 to 1990.

⁴ Does not include all new construction for 1993.

⁵ If a household has both a central and room air conditioner then the usage and age of the equipment is presented only for the central unit.

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. • This table reflects only those households that used their air conditioning equipment. See Appendix B, "Quality of the Data," in *Household Energy Consumption and Expenditures 1993* for a discussion of households that had air-conditioning equipment but did not use it. • See "Glossary" in *Household Energy Consumption and Expenditures 1993* 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.

Table 75. Electricity Consumption and Expenditures for Room Air Conditioning, per California Households, 1993

Characteristics	Households (million)	Consumption		Expenditures (dollars)	Cooled Floorspace (square feet)	Annual Cooling Degree-Days		Electric Air-Conditioning Intensity		RSE Row Factors
		(million Btu)	(kWh)			1993	30-Year Average ²	Consumption (kWh/CDD*1000 square feet)	Expenditures (cents/CDD*1000 square feet)	
Total State	1.2	1.5	443	49	765	1,030	1,033	0.56	6.2	11.9
Climate Zone²										
Under 2,000 CDD and Over 5,500 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Under 5,500 HDD	1.1	1.4	424	46	776	1,029	1,024	0.53	5.8	13.0
2,000 CDD or More and Under 4,000 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Type of Housing Unit										
Single-Family	0.6	1.6	476	54	734	978	947	0.66	7.5	14.0
Mobile Home	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Multifamily (2 or more units)	0.5	1.3	395	43	799	1,137	1,171	0.43	4.8	21.2
Heated Floorspace (square feet)										
Fewer than 1,000	0.5	1.5	427	47	525	1,213	1,217	0.67	7.4	18.1
1,000 to 1,999	0.6	1.6	467	52	990	873	875	0.54	6.0	14.5
2,000 or More	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Ownership of Unit										
Owned	0.6	1.5	446	50	891	840	852	0.60	6.6	17.0
Rented	0.6	1.5	439	48	638	1,222	1,216	0.56	6.2	14.8
Year of Construction										
1939 or Before	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
1940 to 1979	0.9	1.6	457	50	848	950	953	0.57	6.3	12.7
1980 or After ³	0.2	1.4	421	46	565	1,375	1,429	0.54	Q	22.9
1993 Family Income										
Less than \$10,000	0.2	1.6	473	47	682	1,127	1,220	0.62	6.1	30.1
\$10,000 to \$19,999	0.3	1.3	375	39	666	1,220	1,198	0.46	4.8	17.8
\$20,000 to \$34,999	0.2	1.1	323	38	850	936	938	0.41	4.8	27.3
\$35,000 to \$49,999	0.2	1.7	495	60	747	968	925	0.68	8.2	24.7
\$50,000 or More	0.3	1.8	542	62	893	861	857	0.71	8.0	18.4
Below Poverty Line										
100 Percent	0.2	1.6	468	48	653	1,219	1,310	0.59	6.0	24.5
125 Percent	0.3	1.6	474	47	668	1,214	1,298	0.58	5.8	21.7
150 Percent	0.4	1.5	440	44	613	1,156	1,220	0.62	6.2	21.3
Age of Householder										
Under 35 Years	0.2	1.8	536	57	795	1,256	1,273	0.54	5.7	22.7
35 to 59 Years	0.5	1.7	492	56	649	1,006	997	0.75	8.5	13.9
60 Years and Over	0.5	1.2	353	39	876	965	975	0.42	4.6	25.5
Household Size										
1 Person	0.4	1.0	307	33	684	1,068	1,019	0.42	4.5	16.3
2 to 4 Persons	0.6	1.9	550	62	834	1,025	1,056	0.64	7.2	12.5
5 or More Persons	0.2	1.3	373	41	707	953	980	0.55	6.1	26.6

See footnotes at end of table.

Table 75. Electricity Consumption and Expenditures for Room Air Conditioning, per California Households, 1993 (Continued)

Characteristics	Households (million)	Consumption		Expenditures (dollars)	Cooled Floorspace (square feet)	Annual Cooling Degree-Days		Electric Air-Conditioning Intensity		RSE Row Factors
		(million Btu)	(kWh)			1993	30-Year Average ²	Consumption (kWh/CDD*1000 square feet)	Expenditures (cents/CDD*1000 square feet)	
RSE Column Factor:	1.6	0.8 ¹	0.8 ¹	0.8 ¹	1.0	0.9	0.9	1.3 ¹	1.3 ¹	

Cooling Degree-Days (CDD)-1993

2,000 or More	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
1,000 to 1,999	0.6	1.8	521	58	664	1,432	1,424	0.55	6.1	12.2
500 to 999	0.3	1.4	398	46	661	774	696	0.78	9.0	17.2
Fewer than 500	0.2	0.9	278	28	1,230	228	393	Q	Q	20.8

Average Electricity Expenditures (cents per kWh)

Less than 6	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
6 to Less than 9	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
9 or More	1.1	1.5	451	52	761	1,079	1,067	0.55	6.3	12.9

Number of Rooms Usually Air Conditioned

1 Room	0.3	0.8	233	27	310	988	969	0.76	8.7	9.4
2 Rooms	0.3	1.3	380	41	546	1,157	1,121	0.60	6.5	16.1
3 or More	0.6	1.9	565	63	1,080	974	1,009	0.54	6.0	14.5

Frequency of Use of Air Conditioning

Only a Few Times	1.0	1.2	352	39	771	968	967	0.47	5.3	12.3
Quite a Bit	0.2	2.7	806	85	774	1,288	1,328	Q	Q	23.9
All Summer	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF

Age of Air Conditioning Equipment

Less than 5 Years	0.4	1.3	376	41	594	1,018	1,031	0.62	6.8	22.3
5 to 9 Years	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
10 or More Years	0.5	1.8	515	58	1,060	1,007	991	0.48	5.5	17.0
Don't Know	0.2	1.3	370	39	480	1,182	1,226	0.65	6.8	21.4

Number of Room Air Conditioners

1	1.1	1.4	416	46	766	1,021	1,029	0.53	5.9	12.8
2	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
3 or More	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF

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

² The 30-year average and 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.

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. • This table reflects only those households that used their air conditioning equipment. See Appendix B, "Quality of the Data," in *Household Energy Consumption and Expenditures 1993* for a discussion of households that had air-conditioning equipment but did not use it. • See "Glossary" in *Household Energy Consumption and Expenditures 1993* 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.

Table 76. Total Electricity and Natural Gas Consumption and Expenditures for Water Heating in California Households, 1993

Characteristics	Electricity				Natural Gas				RSE Row Factors
	Households (million)	Total Consumed		Total Expenditures (billion dollars)	Households (million)	Total Consumed		Total Expenditures (billion dollars)	
		(trillion Btu)	(billion kWh)			(trillion Btu)	(billion cubic feet)		
RSE Column Factor:	1.6	1.6 ¹	1.6 ¹	1.7 ¹	0.6	0.6 ¹	0.6 ¹	0.6 ¹	
Total State	1.5	10.1	3.0	0.27	9.4	194.3	189	1.19	8.0
Climate Zone²									
Under 2,000 CDD and Over 5,500 HDD	Q	Q	Q	Q	Q	Q	Q	Q	NF
Under 5,500 HDD	1.5	9.9	2.9	0.27	8.4	174.0	169	1.07	8.2
2,000 CDD or More and Under 4,000 HDD	Q	Q	Q	Q	1.0	20.3	20	0.13	15.8
Type of Housing Unit									
Single-Family	0.6	5.7	1.7	0.14	6.5	135.3	132	0.83	15.0
Mobile Home	Q	Q	Q	Q	Q	Q	Q	Q	NF
Multifamily (2 or more units)	0.8	3.9	1.1	0.12	2.8	56.2	55	0.35	18.1
Heated Floorspace (square feet)									
Fewer than 1,000	0.6	3.5	1.0	0.10	3.1	59.7	58	0.37	16.6
1,000 to 1,999	0.7	5.0	1.5	0.13	4.7	98.6	96	0.60	13.3
2,000 or More	0.2	Q	Q	0.04	1.6	36.0	35	0.23	30.8
Ownership of Unit									
Owned	0.8	5.5	1.6	0.14	5.0	105.1	102	0.64	13.9
Rented	0.7	4.6	1.3	0.13	4.4	89.2	87	0.55	12.9
Year of Construction									
1939 or Before	0.3	Q	Q	Q	1.3	22.1	21	0.14	24.8
1940 to 1979	1.0	6.3	1.8	0.17	6.0	126.7	123	0.78	10.0
1980 or After ³	0.3	2.1	0.6	0.06	2.2	45.5	44	0.27	17.5
1993 Family Income									
Less than \$10,000	0.3	2.0	0.6	0.05	1.1	22.2	22	0.13	27.0
\$10,000 to \$19,999	0.4	2.3	0.7	0.07	2.1	42.2	41	0.26	16.6
\$20,000 to \$34,999	0.4	2.2	0.6	0.06	1.7	30.5	30	0.18	16.2
\$35,000 to \$49,999	0.2	1.7	0.5	0.05	1.8	37.8	37	0.23	17.8
\$50,000 or More	0.2	1.9	0.6	0.05	2.7	61.6	60	0.38	19.5
Below Poverty Line									
100 Percent	0.3	2.5	0.7	0.07	1.4	33.0	32	0.20	18.1
125 Percent	0.4	3.2	1.0	0.08	1.9	44.3	43	0.27	18.1
150 Percent	0.5	3.6	1.1	0.10	2.3	51.8	50	0.32	15.1
Age of Householder									
Under 35 Years	0.3	2.3	0.7	0.07	2.4	52.0	51	0.32	15.0
35 to 59 Years	0.6	5.3	1.5	0.14	4.8	104.7	102	0.64	9.7
60 Years and Over	0.6	2.5	0.7	0.07	2.2	37.7	37	0.23	19.6
Household Size									
1 Person	0.4	1.4	0.4	0.04	1.9	25.4	25	0.15	17.6
2 to 4 Persons	0.9	6.5	1.9	0.18	6.0	124.4	121	0.76	10.2
5 or More Persons	0.2	2.1	0.6	0.06	1.5	44.6	43	0.28	22.9

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.

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" in *Household Energy Consumption and Expenditures 1993* for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-457 A, B, C, E, and F of the 1993 Residential Energy Consumption Survey.

Table 77. Electricity and Natural Gas Consumption and Expenditures for Main Water Heating, per California Households, 1993

Characteristics	Electricity					Natural Gas					RSE Row Factors
	Households (million)	Consumption		Expenditures (dollars)	Electricity Water-Heating Intensity (kWh per household member)	Households (million)	Consumption		Expenditures (dollars)	Natural Gas Water-Heating Intensity (1000 cubic feet per household member)	
		(million Btu)	(kWh)				(million Btu)	(1000 cubic feet)			
RSE Column Factor:	2.7	1.7 ¹	1.7 ¹	1.4 ¹	1.6 ¹	1.0	0.5 ¹	0.5 ¹	0.5 ¹	0.6 ¹	
Total State	1.5	6.9	2,008	186	748	9.4	20.5	20.0	126	6.9	5.6
Climate Zone²											
Under 2,000 CDD and Over 5,500 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Under 5,500 HDD and 2,000 CDD or More and Under 4,000 HDD	1.4	6.9	2,008	185	749	8.3	20.6	20.1	126	6.8	5.7
Under 4,000 HDD	Q	Q	Q	Q	Q	1.0	19.6	19.1	121	7.4	19.0
Type of Housing Unit											
Single-Family	0.6	9.2	2,698	230	967	6.4	20.8	20.3	127	6.5	7.5
Mobile Home	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Multifamily (2 or more units)	0.8	4.9	1,428	153	536	2.8	19.9	19.3	123	7.8	9.8
Heated Floorspace (square feet)											
Fewer than 1,000	0.6	5.5	1,625	159	604	3.1	19.1	18.5	117	7.3	8.7
1,000 to 1,999	0.7	7.4	2,172	195	802	4.7	20.7	20.2	126	6.7	6.8
2,000 or More	0.2	9.7	2,850	259	1,117	1.6	22.8	22.2	143	6.8	16.6
Ownership of Unit											
Owned	0.8	7.2	2,114	188	913	5.0	20.9	20.3	128	6.9	8.1
Rented	0.7	6.5	1,897	184	617	4.4	20.1	19.6	123	6.9	7.7
Year of Construction											
1939 or Before	0.3	6.2	1,814	153	939	1.3	17.6	17.1	109	6.3	16.2
1940 to 1979	0.9	6.7	1,967	183	670	6.0	20.9	20.4	129	7.1	6.4
1980 or After ³	0.3	8.1	2,367	235	918	2.2	21.1	20.5	126	6.7	9.2
1993 Family Income											
Less than \$10,000	0.3	7.6	2,242	181	1,009	1.1	19.9	19.3	120	8.2	15.1
\$10,000 to \$19,999	0.4	6.1	1,789	178	535	2.1	20.2	19.6	126	6.9	9.1
\$20,000 to \$34,999	0.4	5.3	1,542	144	735	1.7	18.2	17.7	109	6.9	10.5
\$35,000 to \$49,999	0.2	8.5	2,492	247	810	1.8	20.6	20.0	124	6.7	7.3
\$50,000 or More	0.2	8.7	2,548	232	886	2.7	22.4	21.8	140	6.6	11.8
Below Poverty Line											
100 Percent	0.3	8.4	2,466	224	588	1.4	23.3	22.7	142	6.0	11.0
125 Percent	0.4	8.3	2,426	213	650	1.8	23.8	23.1	145	6.6	10.8
150 Percent	0.4	8.2	2,407	216	671	2.3	22.6	22.0	139	6.5	9.7
Age of Householder											
Under 35 Years	0.3	7.3	2,146	213	628	2.4	21.9	21.3	135	6.3	10.0
35 to 59 Years	0.6	8.8	2,572	233	765	4.8	21.6	21.0	132	6.8	5.7
60 Years and Over	0.6	4.5	1,333	122	857	2.2	16.8	16.4	103	8.2	9.8
Household Size											
1 Person	0.4	3.3	976	88	976	1.9	13.4	13.0	81	13.0	11.9
2 to 4 Persons	0.8	7.7	2,248	207	814	6.0	20.7	20.1	126	7.3	6.4
5 or More Persons	0.2	11.3	3,316	318	531	1.5	29.0	28.2	179	4.8	8.0

See footnotes at end of table.

Table 77. Electricity and Natural Gas Consumption and Expenditures for Main Water Heating, per California Households, 1993 (Continued)

Characteristics	Electricity					Natural Gas					RSE Row Factors
	Households (million)	Consumption		Expenditures (dollars)	Electricity Water-Heating Intensity (kWh per household member)	Households (million)	Consumption		Expenditures (dollars)	Natural Gas Water-Heating Intensity (1000 cubic feet per household member)	
		(million Btu)	(kWh)				(million Btu)	(1000 cubic feet)			
RSE Column Factor:	2.7	1.7 ¹	1.7 ¹	1.4 ¹	1.6 ¹	1.0	0.5 ¹	0.5 ¹	0.5 ¹	0.6 ¹	
Average Electricity Expenditures (cents per kWh)											
Less than 6	Q	Q	Q	Q	Q	--	--	--	--	--	4.8
6 to Less than 9	0.5	10.4	3,048	215	1,082	--	--	--	--	--	7.1
9 or More	0.9	4.9	1,439	170	551	--	--	--	--	--	6.4
Average Natural Gas Expenditures (dollars per 1000 cf)											
Less than 4.50	--	--	--	--	--	Q	Q	Q	Q	Q	6.6
4.50 to Less than 6	--	--	--	--	--	3.9	20.3	19.7	110	7.0	7.0
6 or More	--	--	--	--	--	5.3	20.7	20.1	138	6.8	7.4
Water Heater Used											
For One Housing Unit	1.2	7.3	2,127	189	822	7.8	20.9	20.3	127	6.7	6.3
For Two or More Units	0.3	5.2	1,532	176	500	1.6	18.8	18.3	121	7.9	16.3
Age of Water Heater (for one housing unit)											
Less than 5 Years	0.4	6.4	1,877	164	955	2.2	21.2	20.6	130	6.9	8.0
5 to 9 Years	0.2	7.1	2,069	215	772	2.2	20.4	19.8	124	6.7	10.3
10 to 19 Years	0.4	8.1	2,377	188	935	1.5	21.7	21.1	131	6.4	13.5
20 Years or More	Q	Q	Q	Q	Q	0.7	19.8	19.2	118	7.8	24.7
Don't Know/No Separate Unit	0.1	9.3	2,737	248	565	1.2	21.0	20.4	126	6.6	11.4
Size of Water Heater (for one housing unit)											
30 gallons or less	0.3	6.0	1,772	170	702	1.2	18.1	17.6	111	6.0	10.8
31 to 49 gallons	0.4	7.6	2,240	194	869	4.1	20.9	20.3	125	6.8	10.1
50 gallons or more	0.4	7.7	2,261	195	862	1.9	23.0	22.4	143	7.0	10.5
Don't Know/No Separate Unit	Q	Q	Q	Q	Q	0.5	20.0	19.5	117	7.0	11.8
Clothes Washer											
Yes	0.8	8.5	2,482	213	927	6.4	21.1	20.5	128	6.7	7.2
No	0.6	4.8	1,392	151	517	2.9	19.3	18.8	121	7.5	9.2
Dishwasher											
Yes	0.7	6.9	2,035	197	842	4.6	22.0	21.4	133	7.1	10.1
No	0.8	6.8	1,983	176	676	4.8	19.1	18.6	119	6.6	6.3
Children Present in Household (more than one may apply)											
No	0.9	4.8	1,408	130	898	5.6	17.3	16.9	106	9.0	5.9
Yes	0.6	9.9	2,902	270	668	3.8	25.2	24.5	154	5.6	6.8
Under 13 Years	0.5	9.3	2,733	262	613	3.1	25.3	24.6	155	5.5	7.1
13 to 18 Years	0.2	12.0	3,523	331	666	1.5	27.0	26.2	166	5.7	11.1

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

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

³ Does not include all new construction for 1993.

-- = Data not applicable.

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" in *Household Energy Consumption and Expenditures 1993* for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-457 A, B, C, E, and F of the 1993 Residential Energy Consumption Survey.

Table 78. Total Consumption and Expenditures for Appliances in California 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)	
		(trillion Btu)	(billion kWh)			(trillion Btu)	(billion cubic feet)			(trillion Btu)	(billion gallons)		
RSE Column Factor:	0.4	0.5 ¹	0.5 ¹	0.5 ¹	0.6	0.8 ¹	0.8 ¹	0.8 ¹	2.4	3.3 ¹	3.3 ¹	3.0 ¹	
Total State	11.1	138.5	40.6	4.61	6.6	44.6	43	0.28	0.2	1.1	0.01	0.02	10.0
Climate Zone²													
Under 2,000 CDD and Over 5,500 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Under 5,500 HDD	10.0	123.1	36.1	4.09	5.6	37.6	37	0.24	0.1	0.8	0.01	0.01	8.7
2,000 CDD or More and Under 4,000 HDD	1.1	15.4	4.5	0.52	1.0	7.1	7	0.04	Q	Q	Q	Q	27.0
Type of Housing Unit													
Single-Family	7.3	110.1	32.3	3.69	4.8	34.1	33	0.22	0.1	0.8	0.01	0.01	11.8
Mobile Home	Q	2.6	0.8	0.08	Q	Q	Q	Q	Q	Q	Q	Q	NF
Multifamily (2 or more units) ..	3.6	25.8	7.6	0.84	1.6	9.6	9	0.06	Q	Q	Q	Q	20.2
Heated Floorspace (square feet)													
Fewer than 1,000	3.8	27.0	7.9	0.85	2.1	12.9	13	0.08	Q	Q	Q	Q	24.0
1,000 to 1,999	5.6	77.6	22.7	2.58	3.4	23.3	23	0.15	Q	Q	Q	Q	18.0
2,000 or More	1.8	33.9	9.9	1.18	1.0	8.5	8	0.05	Q	Q	Q	Q	27.0
Ownership of Unit													
Owned	6.0	92.7	27.2	3.12	3.7	27.3	27	0.17	0.1	0.9	0.01	0.01	13.4
Rented	5.1	45.8	13.4	1.49	2.9	17.3	17	0.11	Q	Q	Q	Q	12.8
Year of Construction													
1939 or Before	1.5	14.8	4.3	0.48	1.1	6.2	6	0.04	Q	Q	Q	Q	31.1
1940 to 1979	7.0	93.2	27.3	3.14	4.0	28.5	28	0.18	Q	Q	Q	Q	14.0
1980 or After ³	2.6	30.5	8.9	0.99	1.5	9.9	10	0.06	0.1	Q	Q	Q	21.4
1993 Family Income													
Less than \$10,000	1.4	11.8	3.5	0.34	0.7	4.9	5	0.03	Q	Q	Q	Q	36.8
\$10,000 to \$19,999	2.5	24.3	7.1	0.78	1.5	9.7	9	0.06	Q	Q	Q	Q	17.0
\$20,000 to \$34,999	2.1	22.3	6.5	0.73	1.1	7.0	7	0.04	Q	Q	Q	Q	19.4
\$35,000 to \$49,999	2.0	28.7	8.4	0.99	1.3	9.4	9	0.06	Q	Q	Q	Q	24.7
\$50,000 or More	3.0	51.4	15.1	1.78	1.9	13.7	13	0.09	Q	Q	Q	Q	18.2
Below Poverty Line													
100 Percent	1.7	17.9	5.3	0.55	1.0	8.0	8	0.05	Q	Q	Q	Q	30.9
125 Percent	2.3	22.7	6.7	0.70	1.3	10.0	10	0.06	Q	Q	Q	Q	28.9
150 Percent	2.8	27.7	8.1	0.85	1.6	12.2	12	0.08	Q	Q	Q	Q	19.5
Age of Householder													
Under 35 Years	2.7	28.3	8.3	0.92	1.5	10.3	10	0.06	Q	Q	Q	Q	12.6
35 to 59 Years	5.5	77.2	22.6	2.61	3.4	24.2	24	0.15	Q	Q	Q	Q	13.1
60 Years and Over	2.9	32.9	9.7	1.09	1.7	10.1	10	0.06	Q	Q	Q	Q	18.4
Household Size													
1 Person	2.4	16.0	4.7	0.51	1.1	5.1	5	0.03	Q	Q	Q	Q	22.9
2 to 4 Persons	7.1	94.9	27.8	3.16	4.3	28.4	28	0.18	0.2	1.0	0.01	0.02	12.7
5 or More Persons	1.7	27.7	8.1	0.95	1.1	11.1	11	0.07	Q	Q	Q	Q	28.6

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

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

³ Does not include all new construction for 1993.

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" in *Household Energy Consumption and Expenditures 1993* for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-457 A-F of the 1993 Residential Energy Consumption Survey.

Table 79. Electricity Consumption and Expenditures for Appliances and Refrigerators, per California Households, 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 Factor:	1.5	1.0 ¹	1.0 ¹	1.1 ¹	1.5	0.5	0.9 ¹	0.9 ¹	1.1 ¹	
Total State	11.1	12.5	3,649	415	11.1	1.2	4.0	1,159	132	3.7
Climate Zone²										
Under 2,000 CDD and Over 5,500 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Under 5,500 HDD	10.0	12.3	3,599	408	10.0	1.2	3.9	1,133	129	2.3
2,000 CDD or More and Under 4,000 HDD	1.1	14.0	4,111	477	1.1	1.2	4.8	1,393	164	13.5
Type of Housing Unit										
Single-Family	7.3	15.2	4,445	509	7.3	1.2	4.6	1,355	156	3.3
Mobile Home	Q	11.9	3,481	Q	Q	1.1	3.6	1,066	109	31.4
Multifamily (2 or more units)	3.6	7.1	2,074	232	3.6	1.0	2.6	771	86	5.7
Heated Floorspace (square feet)										
Fewer than 1,000	3.8	7.2	2,103	226	3.7	1.1	2.7	781	85	3.7
1,000 to 1,999	5.6	13.9	4,088	464	5.6	1.2	4.3	1,274	145	3.9
2,000 or More	1.8	18.9	5,535	658	1.8	1.3	5.4	1,592	190	9.6
Ownership of Unit										
Owned	6.0	15.5	4,544	522	6.0	1.3	4.8	1,420	164	4.5
Rented	5.1	8.9	2,609	291	5.1	1.1	2.9	855	95	5.8
Year of Construction										
1939 or Before	1.5	9.7	2,839	315	1.5	1.1	3.1	903	101	6.4
1940 to 1979	7.0	13.3	3,889	447	7.0	1.2	4.2	1,233	142	4.1
1980 or After ³	2.6	11.9	3,477	387	2.6	1.1	3.8	1,110	126	7.1
1993 Family Income										
Less than \$10,000	1.4	8.3	2,425	242	1.4	1.1	2.8	815	82	9.0
\$10,000 to \$19,999	2.5	9.6	2,823	308	2.5	1.1	3.3	977	108	7.2
\$20,000 to \$34,999	2.1	10.6	3,093	347	2.1	1.1	3.9	1,145	128	6.2
\$35,000 to \$49,999	2.0	14.2	4,163	487	2.0	1.1	4.0	1,171	139	8.2
\$50,000 or More	3.0	16.9	4,951	583	3.0	1.3	5.0	1,470	174	4.9
Below Poverty Line										
100 Percent	1.7	10.4	3,040	319	1.7	1.1	3.0	879	92	9.0
125 Percent	2.3	10.0	2,924	308	2.3	1.1	3.1	909	96	7.9
150 Percent	2.8	9.9	2,909	307	2.8	1.1	3.2	933	100	7.0
Age of Householder										
Under 35 Years	2.7	10.4	3,062	340	2.7	1.0	2.8	813	90	4.7
35 to 59 Years	5.5	14.1	4,138	477	5.5	1.2	4.2	1,245	145	4.5
60 Years and Over	2.9	11.2	3,282	369	2.9	1.2	4.5	1,315	149	5.2
Household Size										
1 Person	2.4	6.8	1,982	216	2.4	1.1	3.1	908	100	5.0
2 to 4 Persons	7.1	13.4	3,941	448	7.0	1.2	4.3	1,248	143	3.9
5 or More Persons	1.7	16.2	4,747	553	1.7	1.2	3.9	1,139	133	6.4

See footnotes at end of table.

Table 79. Electricity Consumption and Expenditures for Appliances and Refrigerators, per California Households, 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 Factor:	1.5	1.0 ¹	1.0 ¹	1.1 ¹	1.5	0.5	0.9 ¹	0.9 ¹	1.1 ¹	

Average Electricity Expenditures (cents per kWh)

Less than 6	Q	Q	Q	Q	--	--	--	--	--	NF
6 to Less than 9	1.3	15.4	4,502	333	--	--	--	--	--	7.3
9 or More	9.8	12.1	3,544	426	--	--	--	--	--	3.3

Average Electric Refrigerator Expenditures (cents per kWh)

Less than 6	--	--	--	--	Q	Q	Q	Q	Q	NF
6 to Less than 9	--	--	--	--	1.3	1.1	3.9	1,131	84	7.8
9 or More	--	--	--	--	9.8	1.2	4.0	1,164	139	3.3

Electric Appliances Used by Household (more than one may apply)

Separate Freezer	2.1	18.6	5,458	616	2.1	1.3	4.5	1,332	151	6.3
Dishwasher	5.5	15.5	4,538	527	5.5	1.2	4.5	1,318	154	4.5
Clothes Washer	7.5	15.3	4,496	513	7.5	1.2	4.6	1,340	154	3.4
Clothes Dryer	3.8	16.6	4,865	542	3.8	1.2	4.4	1,287	145	4.2
Waterbed Heater	0.8	17.5	5,134	567	0.8	1.1	4.2	1,217	136	12.3
Swimming-Pool Pump	0.8	25.9	7,605	904	0.8	1.3	5.3	1,549	186	9.9
Hot-Tub or Spa Pump	0.7	24.1	7,049	838	0.7	1.4	5.8	1,695	204	9.8
Hot-Tub or Spa Heater	0.4	22.9	6,713	760	0.4	1.2	5.0	1,472	170	10.5
Well Pump	0.5	18.4	5,393	608	0.5	1.3	4.6	1,362	158	13.8

Appliance Combination Usage

Dishwasher, Clothes Washer, and Clothes Dryer										
All	2.4	18.3	5,365	617	2.4	1.2	4.9	1,434	167	5.5
Some	6.1	12.9	3,770	427	6.1	1.2	4.1	1,210	138	4.1
None	2.6	6.0	1,762	196	2.6	1.0	2.7	779	87	4.1

Well Pump and Separate Freezer

All	0.2	20.1	5,888	624	0.2	1.3	4.1	1,206	129	14.8
Some	2.2	18.3	5,357	613	2.2	1.3	4.7	1,364	157	5.8
None	8.7	10.8	3,159	359	8.7	1.1	3.8	1,106	126	3.2

Main Heating Fuel

Natural Gas	7.9	13.2	3,856	455	7.8	1.2	4.3	1,247	146	4.0
Electricity	2.2	8.9	2,596	277	2.2	1.1	2.8	833	90	6.2
Fuel Oil or Kerosene	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Wood	0.6	17.8	5,209	479	0.6	1.1	4.2	1,222	117	11.1
LPG	0.1	15.0	4,388	426	0.1	1.2	4.5	1,319	132	19.7
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF

Number of Refrigerators

1	9.4	11.4	3,350	375	9.4	1.0	3.2	933	105	2.4
2 or More	1.7	18.0	5,271	629	1.7	2.0	8.1	2,366	280	6.1

¹ This factor is underestimated because it contains no error for estimating this end use.
² Climate zones are based on annual degree-days that are averaged over 30 years from 1961 to 1990.
³ Does not include all new construction for 1993.
 -- = Data not applicable.
 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" in *Household Energy Consumption and Expenditures 1993* 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.

Table 80. Natural Gas and LPG Consumption and Expenditures for Appliances, per California Households, 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 Factor:	0.9	0.7 ¹	0.7 ¹	0.7 ¹	2.9	1.2 ¹	1.2 ¹	0.9 ¹	
Total State	6.6	6.8	6.6	43	0.2	6.3	69	103	8.6
Climate Zone²									
Under 2,000 CDD and Over 5,500 HDD	Q	Q	Q	Q	Q	Q	Q	Q	NF
Under 5,500 HDD	5.6	6.7	6.5	43	0.1	5.7	63	99	8.7
2,000 CDD or More and Under 4,000 HDD	1.0	7.3	7.1	45	Q	Q	Q	Q	15.7
Type of Housing Unit									
Single-Family	4.8	7.1	6.9	45	0.1	7.1	77	118	12.1
Mobile Home	Q	Q	Q	Q	Q	Q	Q	Q	NF
Multifamily (2 or more units)	1.6	6.0	5.8	37	Q	Q	Q	Q	10.2
Heated Floorspace (square feet)									
Fewer than 1,000	2.1	6.0	5.8	38	Q	Q	Q	Q	11.1
1,000 to 1,999	3.4	6.8	6.7	43	Q	Q	Q	Q	15.0
2,000 or More	1.0	8.3	8.0	54	Q	Q	Q	Q	21.0
Ownership of Unit									
Owned	3.7	7.4	7.2	47	0.1	6.4	70	107	10.9
Rented	2.9	6.0	5.9	38	Q	Q	Q	Q	7.1
Year of Construction									
1939 or Before	1.1	5.6	5.4	35	Q	Q	Q	Q	16.5
1940 to 1979	4.0	7.1	6.9	46	Q	Q	Q	Q	12.4
1980 or After ³	1.5	6.8	6.7	42	0.1	6.3	69	94	12.0
1993 Family Income									
Less than \$10,000	0.7	6.8	6.6	42	Q	Q	Q	Q	26.3
\$10,000 to \$19,999	1.5	6.6	6.4	42	Q	Q	Q	Q	7.4
\$20,000 to \$34,999	1.1	6.2	6.0	38	Q	Q	Q	Q	14.7
\$35,000 to \$49,999	1.3	7.1	6.9	45	Q	Q	Q	Q	22.4
\$50,000 or More	1.9	7.1	6.9	46	Q	Q	Q	Q	14.3
Below Poverty Line									
100 Percent	1.0	7.8	7.6	49	Q	Q	Q	Q	7.7
125 Percent	1.3	7.9	7.7	50	Q	Q	Q	Q	10.7
150 Percent	1.6	7.6	7.4	48	Q	Q	Q	Q	9.5
Age of Householder									
Under 35 Years	1.5	6.9	6.7	43	Q	Q	Q	Q	8.5
35 to 59 Years	3.4	7.2	7.0	46	Q	Q	Q	Q	11.6
60 Years and Over	1.7	6.0	5.8	38	Q	Q	Q	Q	11.7
Household Size									
1 Person	1.1	4.4	4.3	28	Q	Q	Q	Q	24.8
2 to 4 Persons	4.3	6.6	6.5	42	0.2	6.6	72	105	9.6
5 or More Persons	1.1	9.8	9.5	63	Q	Q	Q	Q	14.2

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.

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" in *Household Energy Consumption and Expenditures 1993* 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.