

Table 84. Consumption and Expenditures in West Region Households, 1993

Characteristics	Residential Buildings		Average of Major Energy Sources ¹									RSE Row Factors
			Consumption				Expenditures (dollars)					
	Total Households (million)	Total Number (million)	Total Floor-space (billion sq. ft.)	per Building (million Btu)	per Square Foot (thousand Btu)	per Household (million Btu)	per Household Member (million Btu)	per Building	per Square Foot	per Household	per Household Member	
RSE Column Factor:	1.4	1.5	1.7	0.9	0.8	0.9	1.0	0.7	0.9	0.7	0.9	
West Region												
Total Region	20.4	15.4	33.5	101	46	76.0	28	1,263	0.58	953	353	2.6
Climate Zone²												
Under 2,000 CDD and Over 5,500 HDD	4.5	3.9	8.3	128	60	110.8	44	1,147	0.54	990	391	8.1
Under 5,500 HDD	12.5	8.8	19.9	95	42	66.9	24	1,283	0.57	907	325	4.4
2,000 CDD or More and Under 4,000 HDD	3.4	2.7	5.3	81	41	63.3	24	1,368	0.69	1,074	409	5.7
Type of Housing Unit												
Single-Family	13.5	13.5	27.2	90	45	90.2	31	1,098	0.54	1,098	381	2.8
Mobile Home	1.0	1.0	1.0	80	81	79.7	32	977	0.99	977	396	9.2
Multifamily (2 or more units)	5.8	0.9	5.3	293	47	42.7	18	4,222	0.68	616	264	6.9
Heated Floorspace (square feet)												
Fewer than 1,000	7.3	3.7	5.9	96	61	48.9	21	1,294	0.81	657	276	4.7
1,000 to 1,999	9.3	7.9	15.3	93	48	79.2	28	1,195	0.62	1,018	357	3.1
2,000 or More	3.8	3.7	12.3	122	37	120.2	40	1,377	0.42	1,361	457	5.7
Ownership of Unit												
Owned	11.9	11.3	24.4	96	44	91.5	33	1,172	0.54	1,120	407	3.1
Rented	8.5	4.0	9.0	115	51	54.5	21	1,519	0.68	721	273	4.3
Year of Construction												
1939 or Before	2.7	2.2	4.2	93	47	74.2	31	1,033	0.53	825	341	6.0
1940 to 1979	13.0	9.8	20.6	102	48	76.3	28	1,289	0.61	968	361	3.1
1980 or After ³	4.6	3.4	8.6	103	41	76.4	26	1,334	0.53	988	336	6.5
1993 Family Income												
Less than \$10,000	2.6	1.6	2.8	94	53	57.2	27	1,150	0.65	702	331	6.5
\$10,000 to \$19,999	4.7	3.0	5.7	102	54	65.6	25	1,262	0.67	813	312	5.8
\$20,000 to \$34,999	4.7	3.5	7.6	96	44	70.9	28	1,204	0.55	886	354	4.2
\$35,000 to \$49,999	3.4	2.8	6.3	97	43	78.2	27	1,268	0.56	1,018	357	6.0
\$50,000 or More	4.9	4.5	11.1	108	44	99.8	31	1,347	0.55	1,243	389	4.6
Below Poverty Line												
100 Percent	2.9	1.9	3.4	98	55	63.2	18	1,254	0.70	812	236	6.5
125 Percent	3.8	2.5	4.5	99	53	63.6	20	1,248	0.68	804	250	5.8
150 Percent	5.0	3.2	5.8	99	54	63.2	20	1,263	0.69	808	258	4.7
Age of Householder												
Under 35 Years	5.5	3.2	7.1	114	52	67.2	22	1,389	0.63	819	266	4.2
35 to 59 Years	9.4	7.7	17.2	101	45	82.1	28	1,270	0.56	1,035	348	3.4
60 Years and Over	5.5	4.5	9.1	91	45	74.5	40	1,161	0.57	947	508	4.1
Household Size												
1 Person	4.6	2.8	5.5	87	44	52.1	52	1,082	0.55	645	645	5.5
2 to 4 Persons	13.1	10.4	23.1	103	46	81.9	31	1,277	0.58	1,017	379	2.9
5 or More Persons	2.6	2.2	4.9	108	48	89.0	15	1,426	0.63	1,179	203	5.2

See footnotes at end of table.

Table 84. Consumption and Expenditures in West Region Households, 1993 (Continued)

Characteristics	Average of Major Energy Sources ¹											RSE Row Factors
	Residential Buildings		Consumption				Expenditures (dollars)					
	Total Households (million)	Total Number (million)	Total Floorspace (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:	1.4	1.5	1.7	0.9	0.8	0.9	1.0	0.7	0.9	0.7	0.9	
Mountain Division	5.4	4.4	9.3	118	57	98.1	38	1,236	0.59	1,025	396	4.4
Climate Zone²												
Under 2,000 CDD and												
Over 5,500 HDD	3.1	2.6	6.1	144	62	122.8	46	1,174	0.51	1,003	379	7.9
Under 5,500 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
2,000 CDD or More and												
Under 4,000 HDD	1.9	1.5	2.6	77	43	58.7	23	1,400	0.78	1,066	422	6.0
Type of Housing Unit												
Single-Family	3.6	3.6	7.7	113	53	112.6	41	1,115	0.53	1,115	406	4.6
Mobile Home	0.7	0.7	0.7	84	84	84.2	32	1,009	1.00	1,009	385	10.4
Multifamily (2 or more units)	1.1	0.1	0.9	412	67	57.0	28	5,262	0.86	727	360	12.9
Heated Floorspace (square feet)												
Fewer than 1,000	1.8	1.1	1.4	109	84	66.6	31	1,247	0.96	760	357	7.8
1,000 to 1,999	2.2	2.0	3.5	110	63	99.5	36	1,197	0.68	1,081	387	4.7
2,000 or More	1.4	1.4	4.4	137	43	137.2	48	1,284	0.40	1,282	448	6.9
Ownership of Unit												
Owned	3.6	3.5	7.3	115	55	110.4	42	1,159	0.56	1,113	419	4.6
Rented	1.7	0.9	2.0	131	62	72.0	30	1,523	0.72	839	344	8.1
Year of Construction												
1939 or Before	0.6	0.5	1.0	127	69	110.1	46	1,140	0.62	991	411	8.1
1940 to 1979	3.5	2.9	5.8	119	59	98.7	39	1,224	0.60	1,014	397	5.1
1980 or After ³	1.3	1.0	2.5	112	47	90.8	33	1,318	0.56	1,072	389	11.1
1993 Family Income												
Less than \$10,000	0.8	0.5	0.8	109	70	71.6	35	1,186	0.76	779	382	9.0
\$10,000 to \$19,999	1.4	1.0	1.9	119	62	86.2	36	1,268	0.67	922	384	9.4
\$20,000 to \$34,999	1.4	1.2	2.3	113	60	95.8	36	1,214	0.64	1,029	381	6.1
\$35,000 to \$49,999	0.7	0.7	1.6	108	49	104.4	36	1,205	0.54	1,164	403	7.0
\$50,000 or More	1.0	1.0	2.7	137	51	133.7	46	1,277	0.47	1,251	433	8.4
Below Poverty Line												
100 Percent	0.8	0.6	0.9	103	61	76.6	24	1,230	0.73	911	291	7.4
125 Percent	1.0	0.7	1.3	107	62	80.4	27	1,204	0.70	904	305	8.2
150 Percent	1.5	1.0	1.8	110	62	78.6	27	1,259	0.72	902	308	6.2
Age of Householder												
Under 35 Years	1.6	1.1	2.2	129	63	84.8	30	1,409	0.69	926	327	6.7
35 to 59 Years	2.3	2.1	4.6	122	55	110.7	38	1,225	0.55	1,109	381	4.8
60 Years and Over	1.4	1.3	2.5	103	54	93.4	52	1,110	0.58	1,005	558	7.9
Household Size												
1 Person	1.1	0.7	1.3	109	61	72.5	72	1,109	0.62	740	740	9.3
2 to 4 Persons	3.7	3.2	6.8	120	56	103.0	39	1,241	0.58	1,064	406	4.5
5 or More Persons	0.5	0.5	1.2	121	55	117.5	21	1,385	0.63	1,344	239	10.2

See footnotes at end of table.

Table 84. Consumption and Expenditures in West Region Households, 1993 (Continued)

Characteristics	Residential Buildings			Average of Major Energy Sources ¹								RSE Row Factors
				Consumption				Expenditures (dollars)				
	Total Households (million)	Total Number (million)	Total Floor-space (billion sq. ft.)	per Building (million Btu)	per Square Foot (thousand Btu)	per Household (million Btu)	per Household Member (million Btu)	per Building	per Square Foot	per Household	per Household Member	
RSE Column Factor:	1.4	1.5	1.7	0.9	0.8	0.9	1.0	0.7	0.9	0.7	0.9	
Pacific Division	15.0	10.9	24.2	94	42	68.2	25	1,274	0.58	928	338	3.3
Climate Zone²												
Under 2,000 CDD and Over 5,500 HDD	Q	Q	Q	97	56	85.5	37	1,093	0.63	962	420	13.7
Under 5,500 HDD	12.1	8.4	19.3	94	41	65.9	24	1,294	0.57	904	323	4.3
2,000 CDD or More and Under 4,000 HDD	1.5	1.2	2.6	85	38	69.3	25	1,330	0.60	1,085	394	8.9
Type of Housing Unit												
Single-Family	9.9	9.9	19.5	82	41	81.9	28	1,091	0.55	1,091	372	3.6
Mobile Home	0.4	0.4	0.3	71	76	71.4	33	920	0.97	920	420	19.0
Multifamily (2 or more units)	4.8	0.7	4.4	268	43	39.5	16	4,006	0.65	591	246	7.6
Heated Floorspace (square feet)												
Fewer than 1,000	5.5	2.6	4.4	91	53	43.1	18	1,314	0.77	623	254	5.6
1,000 to 1,999	7.1	5.9	11.8	87	44	72.9	25	1,194	0.60	999	348	3.6
2,000 or More	2.4	2.4	8.0	113	34	110.7	36	1,430	0.43	1,406	462	8.2
Ownership of Unit												
Owned	8.2	7.8	17.2	87	40	83.1	30	1,178	0.54	1,123	402	4.1
Rented	6.8	3.1	7.0	110	48	50.1	19	1,518	0.67	691	257	4.8
Year of Construction												
1939 or Before	2.1	1.6	3.3	82	41	63.8	26	999	0.50	777	321	7.5
1940 to 1979	9.6	6.9	14.8	94	44	68.2	25	1,316	0.61	951	349	3.7
1980 or After ³	3.3	2.4	6.2	99	38	70.9	24	1,341	0.52	956	318	7.8
1993 Family Income												
Less than \$10,000	1.8	1.1	2.0	86	46	51.1	24	1,133	0.61	670	311	8.4
\$10,000 to \$19,999	3.3	2.0	3.8	93	50	56.8	21	1,259	0.67	767	284	6.4
\$20,000 to \$34,999	3.3	2.3	5.3	87	37	59.9	25	1,198	0.51	823	340	5.2
\$35,000 to \$49,999	2.7	2.1	4.7	94	41	71.1	25	1,290	0.56	979	345	7.7
\$50,000 or More	3.8	3.5	8.4	100	42	90.9	28	1,367	0.57	1,241	378	5.2
Below Poverty Line												
100 Percent	2.1	1.3	2.4	95	52	58.4	17	1,264	0.69	776	219	8.0
125 Percent	2.8	1.7	3.3	95	50	57.6	17	1,267	0.67	769	233	7.0
150 Percent	3.5	2.1	4.0	93	50	56.7	18	1,265	0.68	768	239	6.0
Age of Householder												
Under 35 Years	3.8	2.1	4.9	106	46	59.7	19	1,379	0.60	773	243	5.0
35 to 59 Years	7.1	5.6	12.7	93	41	72.9	24	1,286	0.57	1,011	337	4.3
60 Years and Over	4.1	3.2	6.6	86	42	67.8	36	1,182	0.57	927	492	4.8
Household Size												
1 Person	3.5	2.0	4.2	80	39	45.7	46	1,071	0.52	615	615	6.7
2 to 4 Persons	9.4	7.2	16.3	95	42	73.6	27	1,294	0.58	999	369	3.7
5 or More Persons	2.1	1.7	3.8	103	46	81.7	14	1,438	0.63	1,137	194	5.8

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 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 85. Total Consumption in West Region Households, 1993

Characteristics	Major Energy Sources ¹ (trillion Btu)	Electricity			Natural Gas		Fuel Oil		Kerosene		Liquefied Petroleum Gas		RSE Row Factors
		Primary	Site		(trillion Btu)	(billion cubic feet)	(trillion Btu)	(billion gallons)	(trillion Btu)	(billion gallons)	(trillion Btu)	(billion gallons)	
		(trillion Btu)	(trillion Btu)	(billion kWh)									
RSE Column Factor:	0.5	0.5	0.5	0.5	0.6	0.6	2.6	2.6	NF	NF	2.1	2.1	
West Region													
Total Region	1,548.0	1,701.5	564.7	165.5	912.8	888	32.5	0.23	Q	Q	37.7	0.41	8.6
Climate Zone²													
Under 2,000 CDD and													
Over 5,500 HDD	500.1	542.4	180.0	52.8	286.4	279	Q	Q	Q	Q	21.3	0.23	27.9
Under 5,500 HDD	833.8	886.4	294.2	86.2	508.7	495	Q	Q	Q	Q	Q	Q	18.4
2,000 CDD or More and													
Under 4,000 HDD	214.0	272.7	90.5	26.5	117.7	114	Q	Q	Q	Q	Q	Q	12.3
Type of Housing Unit													
Single-Family	1,217.8	1,282.8	425.8	124.8	733.4	713	32.5	0.23	Q	Q	25.9	0.28	11.2
Mobile Home	80.6	96.7	32.1	9.4	38.0	37	Q	Q	Q	Q	10.5	0.11	35.3
Multifamily (2 or more units) ..	249.6	322.0	106.9	31.3	141.4	138	Q	Q	Q	Q	Q	Q	19.5
Heated Floorspace (square feet)													
Fewer than 1,000	354.8	449.1	149.1	43.7	195.0	190	Q	Q	Q	Q	9.6	0.10	14.4
1,000 to 1,999	737.3	815.8	270.8	79.4	436.9	425	14.4	0.10	Q	Q	15.0	0.16	13.1
2,000 or More	455.9	436.6	144.9	42.5	280.9	273	17.1	0.12	Q	Q	13.1	0.14	18.2
Ownership of Unit													
Owned	1,084.5	1,157.1	384.0	112.6	643.8	626	28.8	0.21	Q	Q	27.6	0.30	10.9
Rented	463.5	544.4	180.7	53.0	268.9	262	Q	Q	Q	Q	10.0	0.11	13.8
Year of Construction													
1939 or Before	200.6	192.8	64.0	18.8	110.0	107	14.4	0.10	Q	Q	12.1	0.13	18.0
1940 to 1979	994.0	1,108.6	367.9	107.8	594.9	579	16.9	0.12	Q	Q	14.3	0.16	12.3
1980 or After ³	353.3	400.2	132.8	38.9	207.9	202	Q	Q	Q	Q	11.3	0.12	18.4
1993 Family Income													
Less than \$10,000	148.7	165.8	55.0	16.1	85.6	83	Q	Q	Q	Q	4.2	0.05	18.9
\$10,000 to \$19,999	309.7	333.4	110.7	32.4	179.9	175	Q	Q	Q	Q	12.4	0.14	15.0
\$20,000 to \$34,999	335.3	415.2	137.8	40.4	171.4	167	15.2	0.11	Q	Q	11.0	0.12	13.8
\$35,000 to \$49,999	269.0	290.1	96.3	28.2	165.0	161	Q	Q	Q	Q	4.6	0.05	15.4
\$50,000 or More	485.3	497.1	165.0	48.4	310.8	302	Q	Q	Q	Q	Q	Q	16.1
Below Poverty Line													
100 Percent	183.3	212.5	70.5	20.7	103.3	100	Q	Q	Q	Q	4.6	0.05	17.4
125 Percent	242.5	277.7	92.2	27.0	140.3	136	Q	Q	Q	Q	5.1	0.06	17.0
150 Percent	313.3	363.7	120.7	35.4	179.2	174	Q	Q	Q	Q	7.9	0.09	14.4
Age of Householder													
Under 35 Years	367.4	405.8	134.7	39.5	223.1	217	Q	Q	Q	Q	Q	Q	9.2
35 to 59 Years	772.2	838.1	278.1	81.5	467.2	454	Q	Q	Q	Q	14.0	0.15	10.8
60 Years and Over	408.3	457.7	151.9	44.5	222.5	216	18.5	0.13	Q	Q	15.3	0.17	13.4
Household Size													
1 Person	241.4	279.1	92.6	27.2	135.9	132	Q	Q	Q	Q	3.8	0.04	19.2
2 to 4 Persons	1,072.4	1,155.6	383.5	112.4	636.2	619	Q	Q	Q	Q	31.7	0.35	9.1
5 or More Persons	234.1	266.8	88.6	26.0	140.7	137	Q	Q	Q	Q	Q	Q	20.3

See footnotes at end of table.

Table 85. Total Consumption in West Region Households, 1993 (Continued)

Characteristics	Major Energy Sources ¹ (tril-lion Btu)	Electricity			Natural Gas		Fuel Oil		Kerosene		Liquefied Petroleum Gas		RSE Row Factors
		Primary	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)	(tril-lion Btu)	(bil-lion kWh)									
RSE Column Factor:	0.5	0.5	0.5	0.5	0.6	0.6	2.6	2.6	NF	NF	2.1	2.1	
Mountain Division	525.9	503.0	166.9	48.9	325.4	317	Q	Q	Q	Q	27.7	0.30	12.7
Climate Zone²													
Under 2,000 CDD and Over 5,500 HDD	375.7	297.4	98.7	28.9	253.0	246	Q	Q	Q	Q	18.3	0.20	26.4
Under 5,500 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
2,000 CDD or More and Under 4,000 HDD	112.7	169.6	56.3	16.5	52.0	51	Q	Q	Q	Q	Q	Q	12.3
Type of Housing Unit													
Single-Family	410.3	371.2	123.2	36.1	263.6	256	Q	Q	Q	Q	17.7	0.19	16.5
Mobile Home	55.1	60.3	20.0	5.9	25.6	25	Q	Q	Q	Q	Q	Q	36.5
Multifamily (2 or more units) ..	60.4	71.5	23.7	7.0	36.3	35	Q	Q	Q	Q	Q	Q	48.0
Heated Floorspace (square feet)													
Fewer than 1,000	119.0	120.0	39.8	11.7	70.7	69	Q	Q	Q	Q	7.8	0.09	26.3
1,000 to 1,999	219.9	212.5	70.5	20.7	137.5	134	Q	Q	Q	Q	Q	Q	12.2
2,000 or More	187.1	170.5	56.6	16.6	117.2	114	Q	Q	Q	Q	9.0	0.10	25.3
Ownership of Unit													
Owned	402.4	373.3	123.9	36.3	253.7	247	Q	Q	Q	Q	19.0	0.21	16.3
Rented	123.5	129.7	43.1	12.6	71.7	70	Q	Q	Q	Q	8.7	0.10	23.0
Year of Construction													
1939 or Before	66.8	48.5	16.1	4.7	38.4	37	Q	Q	Q	Q	10.4	0.11	27.8
1940 to 1979	342.5	319.5	106.0	31.1	221.8	216	Q	Q	Q	Q	Q	Q	14.3
1980 or After ³	116.6	135.0	44.8	13.1	65.3	63	Q	Q	Q	Q	6.5	0.07	34.8
1993 Family Income													
Less than \$10,000	55.0	50.9	16.9	4.9	35.1	34	Q	Q	Q	Q	Q	Q	24.4
\$10,000 to \$19,999	121.6	107.4	35.6	10.4	76.1	74	Q	Q	Q	Q	8.7	0.10	23.4
\$20,000 to \$34,999	138.3	146.9	48.7	14.3	76.0	74	Q	Q	Q	Q	10.3	0.11	25.0
\$35,000 to \$49,999	75.9	79.5	26.4	7.7	46.7	45	Q	Q	Q	Q	Q	Q	24.1
\$50,000 or More	135.3	118.4	39.3	11.5	91.5	89	Q	Q	Q	Q	Q	Q	44.2
Below Poverty Line													
100 Percent	57.9	64.0	21.2	6.2	32.2	31	Q	Q	Q	Q	Q	Q	23.2
125 Percent	79.9	85.4	28.3	8.3	46.7	45	Q	Q	Q	Q	Q	Q	34.0
150 Percent	115.1	120.9	40.1	11.8	68.2	66	Q	Q	Q	Q	5.1	0.06	20.7
Age of Householder													
Under 35 Years	139.2	143.9	47.8	14.0	82.6	80	Q	Q	Q	Q	Q	Q	15.2
35 to 59 Years	253.1	237.9	79.0	23.1	161.1	157	Q	Q	Q	Q	10.3	0.11	15.8
60 Years and Over	133.7	121.3	40.2	11.8	81.8	80	Q	Q	Q	Q	9.9	0.11	16.4
Household Size													
1 Person	80.3	68.3	22.7	6.6	52.4	51	Q	Q	Q	Q	Q	Q	27.4
2 to 4 Persons	382.6	350.0	116.2	34.0	241.9	235	Q	Q	Q	Q	22.3	0.24	14.4
5 or More Persons	63.1	84.7	28.1	8.2	31.1	30	Q	Q	Q	Q	Q	Q	47.0

See footnotes at end of table.

Table 85. Total Consumption in West Region Households, 1993 (Continued)

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:	0.5	0.5	0.5	0.5	0.6	0.6	2.6	2.6	NF	NF	2.1	2.1	
Pacific Division	1,022.0	1,198.5	397.8	116.6	587.3	571	26.7	0.19	Q	Q	9.9	0.11	10.3
Climate Zone²													
Under 2,000 CDD and Over 5,500 HDD	124.4	Q	Q	Q	33.4	32	Q	Q	Q	Q	Q	Q	81.7
Under 5,500 HDD	796.3	850.4	282.2	82.7	488.3	475	Q	Q	Q	Q	5.5	0.06	16.6
2,000 CDD or More and Under 4,000 HDD	101.3	103.1	34.2	10.0	65.7	64	Q	Q	Q	Q	Q	Q	23.6
Type of Housing Unit													
Single-Family	807.5	911.6	302.6	88.7	469.8	457	26.7	0.19	Q	Q	8.1	0.09	14.1
Mobile Home	25.4	36.5	12.1	3.5	Q	Q	Q	Q	Q	Q	Q	Q	81.7
Multifamily (2 or more units) ..	189.2	250.4	83.1	24.4	105.1	102	Q	Q	Q	Q	Q	Q	19.6
Heated Floorspace (square feet)													
Fewer than 1,000	235.8	329.1	109.2	32.0	124.3	121	Q	Q	Q	Q	1.8	0.02	16.6
1,000 to 1,999	517.4	603.4	200.3	58.7	299.4	291	13.6	0.10	Q	Q	4.0	0.04	15.9
2,000 or More	268.8	266.0	88.3	25.9	163.7	159	12.7	0.09	Q	Q	Q	Q	25.9
Ownership of Unit													
Owned	682.0	783.8	260.2	76.2	390.1	379	23.0	0.17	Q	Q	8.6	0.09	13.8
Rented	340.0	414.7	137.6	40.3	197.2	192	Q	Q	Q	Q	Q	Q	13.7
Year of Construction													
1939 or Before	133.8	144.3	47.9	14.0	71.6	70	12.5	0.09	Q	Q	Q	Q	23.3
1940 to 1979	651.5	789.1	261.9	76.8	373.1	363	13.0	0.09	Q	Q	Q	Q	13.6
1980 or After ³	236.8	265.2	88.0	25.8	142.6	139	Q	Q	Q	Q	4.8	0.05	20.2
1993 Family Income													
Less than \$10,000	93.7	114.9	38.1	11.2	50.5	49	Q	Q	Q	Q	1.8	0.02	24.0
\$10,000 to \$19,999	188.1	226.0	75.0	22.0	103.8	101	Q	Q	Q	Q	Q	Q	18.6
\$20,000 to \$34,999	197.1	268.3	89.1	26.1	95.4	93	12.0	0.09	Q	Q	Q	Q	11.8
\$35,000 to \$49,999	193.1	210.6	69.9	20.5	118.3	115	Q	Q	Q	Q	Q	Q	17.3
\$50,000 or More	350.0	378.6	125.7	36.8	219.3	213	Q	Q	Q	Q	Q	Q	15.6
Below Poverty Line													
100 Percent	125.4	148.4	49.3	14.4	71.0	69	Q	Q	Q	Q	1.9	0.02	24.2
125 Percent	162.6	192.3	63.8	18.7	93.6	91	Q	Q	Q	Q	2.0	0.02	21.5
150 Percent	198.2	242.7	80.6	23.6	111.0	108	Q	Q	Q	Q	2.8	0.03	19.7
Age of Householder													
Under 35 Years	228.2	261.9	86.9	25.5	140.5	137	Q	Q	Q	Q	Q	Q	11.0
35 to 59 Years	519.2	600.2	199.2	58.4	306.1	298	Q	Q	Q	Q	3.7	0.04	14.1
60 Years and Over	274.6	336.4	111.7	32.7	140.7	137	16.7	0.12	Q	Q	5.5	0.06	18.0
Household Size													
1 Person	161.2	210.8	70.0	20.5	83.5	81	Q	Q	Q	Q	Q	Q	23.1
2 to 4 Persons	689.8	805.6	267.4	78.4	394.2	384	Q	Q	Q	Q	9.4	0.10	10.9
5 or More Persons	171.0	182.2	60.5	17.7	109.6	107	Q	Q	Q	Q	Q	Q	21.3

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 86. Total Expenditures in West Region Households, 1993
(Billion Dollars)

Characteristics	Major Energy Sources ¹	Electricity	Natural Gas	Fuel Oil	Kerosene	Liquefied Petroleum Gas	RSE Row Factors
	RSE Column Factor: 0.5	0.6	0.7	2.4	NF	2.2	
West Region							
Total Region	19.41	13.69	5.07	0.24	Q	0.41	7.3
Climate Zone²							
Under 2,000 CDD and Over 5,500 HDD	4.47	2.92	1.25	Q	Q	0.21	26.0
Under 5,500 HDD	11.30	7.96	3.07	Q	Q	0.13	15.2
2,000 CDD or More and Under 4,000 HDD	3.63	2.81	0.75	Q	Q	Q	13.1
Type of Housing Unit							
Single-Family	14.82	10.26	4.03	0.24	Q	0.29	10.5
Mobile Home	0.99	0.67	0.21	Q	Q	0.10	33.9
Multifamily (2 or more units)	3.60	2.76	0.83	Q	Q	Q	17.6
Heated Floorspace (square feet)							
Fewer than 1,000	4.76	3.52	1.13	Q	Q	0.11	13.8
1,000 to 1,999	9.48	6.73	2.48	0.11	Q	0.16	12.2
2,000 or More	5.16	3.44	1.46	0.12	Q	0.15	18.1
Ownership of Unit							
Owned	13.28	9.24	3.51	0.21	Q	0.31	10.5
Rented	6.13	4.44	1.55	Q	Q	0.10	12.9
Year of Construction							
1939 or Before	2.23	1.39	0.62	0.10	Q	0.12	16.7
1940 to 1979	12.61	8.99	3.33	0.12	Q	0.16	10.5
1980 or After ³	4.57	3.30	1.12	Q	Q	0.14	17.8
1993 Family Income							
Less than \$10,000	1.83	1.26	0.49	Q	Q	0.05	18.0
\$10,000 to \$19,999	3.84	2.62	1.02	Q	Q	0.14	14.0
\$20,000 to \$34,999	4.19	3.04	0.94	0.11	Q	0.11	13.2
\$35,000 to \$49,999	3.51	2.50	0.93	Q	Q	0.06	15.3
\$50,000 or More	6.04	4.27	1.69	Q	Q	0.06	16.8
Below Poverty Line							
100 Percent	2.36	1.66	0.60	Q	Q	0.06	15.6
125 Percent	3.07	2.16	0.81	Q	Q	0.06	13.7
150 Percent	4.01	2.84	1.03	Q	Q	0.10	11.0
Age of Householder							
Under 35 Years	4.48	3.15	1.24	Q	Q	Q	7.8
35 to 59 Years	9.73	6.91	2.58	Q	Q	0.16	9.8
60 Years and Over	5.19	3.63	1.25	0.14	Q	0.17	12.8
Household Size							
1 Person	2.99	2.10	0.77	Q	Q	0.04	16.3
2 to 4 Persons	13.32	9.31	3.51	Q	Q	0.35	8.7
5 or More Persons	3.10	2.27	0.79	Q	Q	Q	18.9

See footnotes at end of table.

Table 86. Total Expenditures in West Region Households, 1993 (Continued)
(Billion Dollars)

Characteristics	Major Energy Sources ¹	Electricity	Natural Gas	Fuel Oil	Kerosene	Liquefied Petroleum Gas	RSE Row Factors
	RSE Column Factor: 0.5	0.6	0.7	2.4	NF	2.2	
Mountain Division	5.49	3.63	1.57	Q	Q	0.26	9.1
Climate Zone²							
Under 2,000 CDD and							
Over 5,500 HDD	3.07	1.75	1.11	Q	Q	0.16	22.2
Under 5,500 HDD	Q	Q	Q	Q	Q	Q	NF
2,000 CDD or More and							
Under 4,000 HDD	2.05	1.65	0.34	Q	Q	Q	11.4
Type of Housing Unit							
Single-Family	4.06	2.62	1.24	Q	Q	0.16	14.6
Mobile Home	0.66	0.43	0.14	Q	Q	0.09	34.0
Multifamily (2 or more units)	0.77	0.57	0.19	Q	Q	Q	44.1
Heated Floorspace (square feet)							
Fewer than 1,000	1.36	0.90	0.38	Q	Q	0.08	23.9
1,000 to 1,999	2.39	1.58	0.70	Q	Q	0.10	15.2
2,000 or More	1.75	1.15	0.49	Q	Q	0.08	24.9
Ownership of Unit							
Owned	4.06	2.65	1.19	Q	Q	0.18	13.8
Rented	1.44	0.98	0.38	Q	Q	0.08	23.4
Year of Construction							
1939 or Before	0.60	0.31	0.18	Q	Q	0.09	22.9
1940 to 1979	3.52	2.29	1.10	Q	Q	Q	12.6
1980 or After ³	1.38	1.02	0.29	Q	Q	0.07	31.9
1993 Family Income							
Less than \$10,000	0.60	0.39	0.18	Q	Q	Q	21.8
\$10,000 to \$19,999	1.30	0.81	0.39	Q	Q	0.08	20.7
\$20,000 to \$34,999	1.48	0.99	0.38	Q	Q	0.10	23.1
\$35,000 to \$49,999	0.85	0.59	0.23	Q	Q	Q	21.8
\$50,000 or More	1.27	0.85	0.38	Q	Q	Q	41.4
Below Poverty Line							
100 Percent	0.69	0.48	0.17	Q	Q	Q	16.0
125 Percent	0.90	0.61	0.24	Q	Q	Q	22.5
150 Percent	1.32	0.90	0.36	Q	Q	0.05	15.0
Age of Householder							
Under 35 Years	1.52	1.04	0.40	Q	Q	Q	11.8
35 to 59 Years	2.54	1.66	0.75	Q	Q	0.11	13.1
60 Years and Over	1.44	0.93	0.41	Q	Q	0.09	15.1
Household Size							
1 Person	0.82	0.51	0.27	Q	Q	Q	20.4
2 to 4 Persons	3.95	2.58	1.16	Q	Q	0.20	14.6
5 or More Persons	0.72	0.55	0.14	Q	Q	Q	35.9

See footnotes at end of table.

Table 86. Total Expenditures in West Region Households, 1993 (Continued)
(Billion Dollars)

Characteristics	Major Energy Sources ¹	Electricity	Natural Gas	Fuel Oil	Kerosene	Liquefied Petroleum Gas	RSE Row Factors
	0.5	0.6	0.7	2.4	NF	2.2	
Pacific Division	13.91	10.06	3.50	0.20	Q	0.15	9.3
Climate Zone²							
Under 2,000 CDD and							
Over 5,500 HDD	Q	Q	0.14	Q	Q	Q	75.2
Under 5,500 HDD	10.92	7.74	2.96	Q	Q	0.09	13.3
2,000 CDD or More and							
Under 4,000 HDD	1.59	1.16	0.41	Q	Q	Q	24.6
Type of Housing Unit							
Single-Family	10.75	7.63	2.80	0.20	Q	0.13	13.6
Mobile Home	0.33	0.24	Q	Q	Q	Q	67.3
Multifamily (2 or more units)	2.83	2.18	0.64	Q	Q	Q	18.4
Heated Floorspace (square feet)							
Fewer than 1,000	3.40	2.62	0.75	Q	Q	0.03	17.1
1,000 to 1,999	7.09	5.15	1.78	0.10	Q	0.06	14.9
2,000 or More	3.42	2.29	0.97	0.09	Q	Q	24.1
Ownership of Unit							
Owned	9.22	6.59	2.32	0.17	Q	0.13	13.7
Rented	4.69	3.46	1.18	Q	Q	Q	12.9
Year of Construction							
1939 or Before	1.63	1.08	0.44	0.09	Q	Q	21.7
1940 to 1979	9.09	6.70	2.23	0.10	Q	Q	11.4
1980 or After ³	3.20	2.28	0.84	Q	Q	0.07	21.2
1993 Family Income							
Less than \$10,000	1.23	0.87	0.30	Q	Q	0.03	23.5
\$10,000 to \$19,999	2.54	1.81	0.63	Q	Q	Q	18.2
\$20,000 to \$34,999	2.71	2.05	0.56	0.08	Q	Q	12.8
\$35,000 to \$49,999	2.66	1.90	0.70	Q	Q	Q	17.5
\$50,000 or More	4.78	3.42	1.31	Q	Q	Q	16.7
Below Poverty Line							
100 Percent	1.67	1.18	0.43	Q	Q	0.03	22.0
125 Percent	2.17	1.55	0.56	Q	Q	0.03	18.3
150 Percent	2.69	1.94	0.67	Q	Q	0.04	15.5
Age of Householder							
Under 35 Years	2.96	2.11	0.83	Q	Q	Q	10.1
35 to 59 Years	7.20	5.25	1.83	Q	Q	0.05	13.0
60 Years and Over	3.76	2.70	0.84	0.13	Q	0.08	16.9
Household Size							
1 Person	2.17	1.60	0.50	Q	Q	Q	20.0
2 to 4 Persons	9.36	6.74	2.35	Q	Q	0.14	10.9
5 or More Persons	2.38	1.72	0.65	Q	Q	Q	21.9

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

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

³ Does not include all new construction for 1993.

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 87. Electricity Consumption and Expenditures in West Region 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:	1.3	1.1	1.1	1.1	0.9	0.9	0.7	

West Region

Total Region	20.4	83.6	27.7	8,131	672	1,644	8.3	2.9
Climate Zone¹								
Under 2,000 CDD and Over 5,500 HDD	4.5	120.1	39.9	11,686	646	1,835	5.5	7.7
Under 5,500 HDD	12.5	71.2	23.6	6,921	639	1,598	9.2	5.1
2,000 CDD or More and Under 4,000 HDD	3.4	80.6	26.8	7,844	831	1,558	10.6	4.8
Type of Housing Unit								
Single-Family	13.5	95.0	31.5	9,244	760	2,015	8.2	3.0
Mobile Home	1.0	95.7	31.8	9,311	667	983	7.2	11.6
Multifamily (2 or more units)	5.8	55.1	18.3	5,357	471	901	8.8	5.1
Heated Floorspace (square feet)								
Fewer than 1,000	7.3	61.9	20.6	6,025	485	808	8.0	4.6
1,000 to 1,999	9.3	87.6	29.1	8,524	723	1,642	8.5	3.3
2,000 or More	3.8	115.1	38.2	11,195	906	3,244	8.1	5.1
Ownership of Unit								
Owned	11.9	97.6	32.4	9,494	780	2,060	8.2	2.9
Rented	8.5	64.1	21.3	6,231	523	1,063	8.4	4.6
Year of Construction								
1939 or Before	2.7	71.3	23.7	6,936	514	1,563	7.4	6.8
1940 to 1979	13.0	85.1	28.2	8,278	690	1,583	8.3	3.5
1980 or After ²	4.6	86.5	28.7	8,418	714	1,864	8.5	4.5
1993 Family Income								
Less than \$10,000	2.6	63.8	21.2	6,201	484	1,083	7.8	7.2
\$10,000 to \$19,999	4.7	70.6	23.4	6,871	555	1,210	8.1	5.3
\$20,000 to \$34,999	4.7	87.7	29.1	8,535	642	1,607	7.5	4.7
\$35,000 to \$49,999	3.4	84.3	28.0	8,200	725	1,824	8.8	6.0
\$50,000 or More	4.9	102.3	33.9	9,947	878	2,274	8.8	3.3
Below Poverty Line								
100 Percent	2.9	73.2	24.3	7,121	573	1,157	8.1	7.8
125 Percent	3.8	72.8	24.2	7,082	567	1,190	8.0	8.0
150 Percent	5.0	73.3	24.3	7,131	572	1,173	8.0	6.8
Age of Householder								
Under 35 Years	5.5	74.2	24.6	7,222	576	1,305	8.0	4.5
35 to 59 Years	9.4	89.1	29.6	8,667	734	1,833	8.5	3.4
60 Years and Over	5.5	83.5	27.7	8,119	662	1,657	8.2	4.0
Household Size								
1 Person	4.6	60.2	20.0	5,859	454	1,183	7.8	6.2
2 to 4 Persons	13.1	88.3	29.3	8,586	712	1,762	8.3	2.6
5 or More Persons	2.6	101.5	33.7	9,869	862	1,867	8.7	6.8

See footnotes at end of table.

Table 87. Electricity Consumption and Expenditures in West Region Households, 1993 (Continued)

Characteristics	Households Using Electricity (million)	Average per Household					Expenditures (cents per kWh)	RSE Row Factors
		Consumption			Expenditures (dollars)	Floorspace (square feet)		
		Primary	Site					
		(million Btu)	(million Btu)	(kWh)				
RSE Column Factor:	1.3	1.1	1.1	1.1	0.9	0.9	0.7	
Mountain Division	5.4	93.9	31.2	9,130	677	1,730	7.4	5.8
Climate Zone¹								
Under 2,000 CDD and Over 5,500 HDD	3.1	97.2	32.2	9,451	573	1,977	6.1	9.6
Under 5,500 HDD	Q	Q	Q	Q	Q	Q	Q	NF
2,000 CDD or More and Under 4,000 HDD	1.9	88.4	29.3	8,595	861	1,368	10.0	4.8
Type of Housing Unit								
Single-Family	3.6	101.9	33.8	9,910	719	2,117	7.3	5.0
Mobile Home	0.7	92.0	30.5	8,953	659	1,004	7.4	12.3
Multifamily (2 or more units)	1.1	67.4	22.4	6,561	541	849	8.2	10.4
Heated Floorspace (square feet)								
Fewer than 1,000	1.8	67.2	22.3	6,535	502	792	7.7	10.3
1,000 to 1,999	2.2	96.2	31.9	9,356	716	1,584	7.7	4.3
2,000 or More	1.4	125.0	41.5	12,163	841	3,194	6.9	7.5
Ownership of Unit								
Owned	3.6	102.4	34.0	9,965	727	1,996	7.3	5.0
Rented	1.7	75.6	25.1	7,356	571	1,164	7.8	8.0
Year of Construction								
1939 or Before	0.6	79.9	26.5	7,777	513	1,598	6.6	11.7
1940 to 1979	3.5	92.1	30.6	8,959	661	1,681	7.4	6.1
1980 or After ²	1.3	105.2	34.9	10,231	797	1,924	7.8	7.7
1993 Family Income								
Less than \$10,000	0.8	66.2	22.0	6,443	505	1,026	7.8	9.1
\$10,000 to \$19,999	1.4	76.2	25.3	7,408	577	1,382	7.8	9.1
\$20,000 to \$34,999	1.4	101.7	33.8	9,897	684	1,595	6.9	8.7
\$35,000 to \$49,999	0.7	109.4	36.3	10,645	815	2,146	7.7	8.8
\$50,000 or More	1.0	117.1	38.9	11,387	836	2,642	7.3	6.9
Below Poverty Line								
100 Percent	0.8	84.7	28.1	8,239	635	1,255	7.7	9.2
125 Percent	1.0	86.0	28.5	8,362	617	1,298	7.4	12.4
150 Percent	1.5	82.6	27.4	8,034	612	1,259	7.6	9.6
Age of Householder								
Under 35 Years	1.6	87.6	29.1	8,523	633	1,336	7.4	6.3
35 to 59 Years	2.3	104.0	34.5	10,119	726	2,002	7.2	4.9
60 Years and Over	1.4	84.8	28.1	8,246	648	1,746	7.9	7.1
Household Size								
1 Person	1.1	61.7	20.5	6,002	457	1,196	7.6	9.6
2 to 4 Persons	3.7	94.2	31.3	9,166	693	1,829	7.6	3.8
5 or More Persons	0.5	157.6	52.3	15,333	1,015	2,145	6.6	11.6

See footnotes at end of table.

Table 87. Electricity Consumption and Expenditures in West Region Households, 1993 (Continued)

Characteristics	Households Using Electricity (million)	Average per Household					Expenditures (cents per kWh)	RSE Row Factors
		Consumption			Expenditures (dollars)	Floorspace (square feet)		
		Primary	Site					
		(million Btu)	(million Btu)	(kWh)				
RSE Column Factor:	1.3	1.1	1.1	1.1	0.9	0.9	0.7	
Pacific Division	15.0	79.9	26.5	7,775	671	1,613	8.6	3.5
Climate Zone¹								
Under 2,000 CDD and Over 5,500 HDD	Q	168.5	55.9	16,390	799	1,535	4.9	9.3
Under 5,500 HDD	12.1	70.4	23.4	6,848	640	1,599	9.4	5.2
2,000 CDD or More and Under 4,000 HDD	1.5	70.5	23.4	6,859	793	1,807	11.6	9.0
Type of Housing Unit								
Single-Family	9.9	92.5	30.7	8,999	775	1,977	8.6	3.7
Mobile Home	0.4	102.5	34.0	9,970	682	946	6.8	26.2
Multifamily (2 or more units)	4.8	52.3	17.4	5,091	456	913	9.0	5.8
Heated Floorspace (square feet)								
Fewer than 1,000	5.5	60.2	20.0	5,859	479	814	8.2	4.6
1,000 to 1,999	7.1	85.0	28.2	8,265	725	1,660	8.8	4.1
2,000 or More	2.4	109.5	36.3	10,651	942	3,273	8.8	6.7
Ownership of Unit								
Owned	8.2	95.5	31.7	9,285	803	2,089	8.6	3.6
Rented	6.8	61.1	20.3	5,946	511	1,037	8.6	5.5
Year of Construction								
1939 or Before	2.1	68.8	22.8	6,693	514	1,552	7.7	8.3
1940 to 1979	9.6	82.6	27.4	8,030	701	1,547	8.7	4.3
1980 or After ²	3.3	79.4	26.3	7,722	682	1,841	8.8	5.4
1993 Family Income								
Less than \$10,000	1.8	62.7	20.8	6,100	476	1,106	7.8	9.5
\$10,000 to \$19,999	3.3	68.3	22.7	6,642	546	1,136	8.2	6.7
\$20,000 to \$34,999	3.3	81.6	27.1	7,937	624	1,613	7.9	5.0
\$35,000 to \$49,999	2.7	77.6	25.7	7,545	702	1,737	9.3	7.2
\$50,000 or More	3.8	98.4	32.6	9,569	889	2,177	9.3	3.5
Below Poverty Line								
100 Percent	2.1	69.2	23.0	6,727	551	1,122	8.2	10.1
125 Percent	2.8	68.2	22.6	6,631	550	1,152	8.3	10.0
150 Percent	3.5	69.4	23.0	6,753	555	1,137	8.2	9.1
Age of Householder								
Under 35 Years	3.8	68.5	22.7	6,663	552	1,292	8.3	5.9
35 to 59 Years	7.1	84.3	28.0	8,200	737	1,778	9.0	4.3
60 Years and Over	4.1	83.0	27.6	8,075	667	1,626	8.3	4.8
Household Size								
1 Person	3.5	59.8	19.8	5,815	453	1,178	7.8	7.8
2 to 4 Persons	9.4	85.9	28.5	8,357	719	1,736	8.6	3.4
5 or More Persons	2.1	87.0	28.9	8,467	822	1,795	9.7	7.0

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.

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. • 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 88. Natural Gas Consumption and Expenditures in West Region 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:	1.7	1.1	1.1	0.9	1.1	0.5	

West Region

Total Region	14.2	64.3	62.5	357	1,726	5.71	2.9
Climate Zone: ¹							
Under 2,000 CDD and Over 5,500 HDD	2.5	113.9	110.8	496	2,047	4.48	6.5
Under 5,500 HDD	9.6	53.2	51.7	321	1,669	6.20	4.0
2,000 CDD or More and Under 4,000 HDD	2.1	55.6	54.1	355	1,601	6.56	7.1
Type of Housing Unit							
Single-Family	10.1	72.3	70.3	397	2,062	5.65	3.1
Mobile Home	0.5	71.1	69.1	391	964	5.65	9.4
Multifamily (2 or more units)	3.5	40.2	39.1	235	872	6.01	5.6
Heated Floorspace (square feet)							
Fewer than 1,000	4.4	44.0	42.8	255	783	5.96	4.8
1,000 to 1,999	6.9	63.7	61.9	361	1,664	5.83	2.4
2,000 or More	2.9	96.5	93.8	502	3,307	5.35	6.1
Ownership of Unit							
Owned	8.4	76.2	74.1	416	2,152	5.61	3.3
Rented	5.8	46.7	45.5	270	1,101	5.94	4.3
Year of Construction							
1939 or Before	1.9	58.5	56.9	329	1,568	5.77	5.0
1940 to 1979	9.1	65.3	63.5	365	1,681	5.75	3.4
1980 or After ²	3.2	64.7	63.0	350	1,948	5.55	9.0
1993 Family Income							
Less than \$10,000	1.7	50.0	48.7	285	1,113	5.85	6.9
\$10,000 to \$19,999	3.2	56.8	55.3	323	1,238	5.85	5.8
\$20,000 to \$34,999	2.8	60.2	58.5	330	1,618	5.63	4.6
\$35,000 to \$49,999	2.6	64.4	62.6	363	1,940	5.80	4.4
\$50,000 or More	3.9	79.4	77.3	432	2,328	5.59	6.1
Below Poverty Line							
100 Percent	2.0	52.6	51.1	305	1,201	5.96	8.0
125 Percent	2.6	53.3	51.9	306	1,212	5.90	7.4
150 Percent	3.4	53.0	51.5	305	1,188	5.91	5.5
Age of Householder							
Under 35 Years	3.8	58.3	56.7	323	1,395	5.70	5.1
35 to 59 Years	7.0	67.0	65.2	369	1,924	5.67	3.8
60 Years and Over	3.4	65.4	63.6	369	1,692	5.80	3.7
Household Size							
1 Person	2.8	47.8	46.5	270	1,234	5.81	5.4
2 to 4 Persons	9.4	67.8	66.0	374	1,827	5.67	3.4
5 or More Persons	2.0	71.3	69.3	400	1,954	5.78	5.3

See footnotes at end of table.

Table 88. Natural Gas Consumption and Expenditures in West Region Households, 1993 (Continued)

Characteristics	Households Using Natural Gas (million)	Average per Household				Expenditures (dollars per thousand cf)	RSE Row Factors
		Consumption		Expenditures (dollars)	Floorspace (square feet)		
		(million Btu)	(thousand cf)				
RSE Column Factor:	1.7	1.1	1.1	0.9	1.1	0.5	
Mountain Division	3.7	89.1	86.7	429	1,805	4.95	5.1
Climate Zone: ¹							
Under 2,000 CDD and							
Over 5,500 HDD	2.3	109.8	106.8	482	2,049	4.51	6.7
Under 5,500 HDD	Q	Q	Q	Q	Q	Q	NF
2,000 CDD or More and							
Under 4,000 HDD	1.1	48.1	46.8	319	1,306	6.81	10.2
Type of Housing Unit							
Single-Family	2.7	96.9	94.3	455	2,126	4.83	5.0
Mobile Home	0.4	67.6	65.8	362	968	5.50	10.5
Multifamily (2 or more units)	0.6	65.3	63.5	344	807	5.42	12.0
Heated Floorspace (square feet)							
Fewer than 1,000	1.2	61.1	59.5	328	797	5.51	6.7
1,000 to 1,999	1.6	88.4	86.0	449	1,617	5.22	4.2
2,000 or More	0.9	124.6	121.2	519	3,359	4.29	8.6
Ownership of Unit							
Owned	2.6	98.5	95.8	462	2,034	4.82	5.0
Rented	1.1	66.7	64.8	349	1,257	5.38	9.0
Year of Construction							
1939 or Before	0.4	99.0	96.3	472	1,562	4.90	7.6
1940 to 1979	2.6	85.4	83.1	422	1,752	5.08	5.9
1980 or After ²	0.7	97.5	94.9	429	2,153	4.52	16.6
1993 Family Income							
Less than \$10,000	0.5	66.7	64.9	351	1,053	5.40	10.5
\$10,000 to \$19,999	1.0	77.9	75.7	403	1,459	5.32	9.9
\$20,000 to \$34,999	0.9	82.9	80.6	414	1,578	5.14	6.5
\$35,000 to \$49,999	0.5	98.6	95.9	478	2,271	4.98	6.3
\$50,000 or More	0.8	120.6	117.3	503	2,756	4.29	10.9
Below Poverty Line							
100 Percent	0.5	65.8	64.0	350	1,291	5.46	7.0
125 Percent	0.7	69.9	68.0	365	1,329	5.36	8.4
150 Percent	1.0	70.1	68.1	370	1,293	5.42	8.0
Age of Householder							
Under 35 Years	1.1	77.2	75.1	377	1,395	5.02	8.6
35 to 59 Years	1.6	101.9	99.1	474	2,152	4.78	5.9
60 Years and Over	1.0	81.6	79.4	412	1,696	5.19	5.0
Household Size							
1 Person	0.8	69.3	67.4	353	1,247	5.23	8.4
2 to 4 Persons	2.6	93.4	90.9	447	1,913	4.92	5.3
5 or More Persons	0.3	101.4	98.6	458	2,274	4.65	16.8

See footnotes at end of table.

Table 88. Natural Gas Consumption and Expenditures in West Region Households, 1993 (Continued)

Characteristics	Households Using Natural Gas (million)	Average per Household				Expenditures (dollars per thousand cf)	RSE Row Factors
		Consumption		Expenditures (dollars)	Floorspace (square feet)		
		(million Btu)	(thousand cf)				
RSE Column Factor:	1.7	1.1	1.1	0.9	1.1	0.5	
Pacific Division	10.5	55.7	54.2	332	1,699	6.13	3.1
Climate Zone: ¹							
Under 2,000 CDD and							
Over 5,500 HDD	0.2	158.3	154.0	655	2,024	4.25	20.1
Under 5,500 HDD	9.3	52.5	51.1	318	1,668	6.23	3.9
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	7.4	63.2	61.5	376	2,039	6.12	3.3
Mobile Home	Q	79.3	77.2	460	953	5.96	Q
Multifamily (2 or more units)	3.0	35.5	34.5	214	884	6.21	5.8
Heated Floorspace (square feet)							
Fewer than 1,000	3.3	38.0	36.9	230	779	6.22	5.1
1,000 to 1,999	5.3	56.4	54.9	335	1,678	6.11	2.4
2,000 or More	2.0	83.0	80.8	494	3,282	6.11	7.5
Ownership of Unit							
Owned	5.9	66.4	64.6	396	2,203	6.12	3.8
Rented	4.7	42.2	41.0	252	1,065	6.15	4.4
Year of Construction							
1939 or Before	1.5	48.0	46.7	292	1,570	6.24	5.4
1940 to 1979	6.5	57.3	55.7	343	1,652	6.15	3.9
1980 or After ²	2.5	56.1	54.6	329	1,894	6.03	9.0
1993 Family Income							
Less than \$10,000	1.2	42.6	41.5	255	1,140	6.16	7.4
\$10,000 to \$19,999	2.2	47.4	46.1	287	1,139	6.23	5.6
\$20,000 to \$34,999	1.9	49.4	48.1	289	1,637	6.02	4.7
\$35,000 to \$49,999	2.1	56.6	55.0	337	1,864	6.12	5.0
\$50,000 or More	3.2	69.5	67.6	414	2,225	6.13	6.3
Below Poverty Line							
100 Percent	1.5	48.2	46.8	290	1,171	6.18	9.6
125 Percent	2.0	47.7	46.4	286	1,172	6.17	8.2
150 Percent	2.4	46.1	44.8	278	1,145	6.21	5.8
Age of Householder							
Under 35 Years	2.8	51.0	49.6	302	1,395	6.09	5.1
35 to 59 Years	5.4	56.8	55.2	339	1,857	6.14	4.3
60 Years and Over	2.4	58.6	57.0	351	1,691	6.15	4.3
Household Size							
1 Person	2.1	40.0	38.9	240	1,230	6.17	6.3
2 to 4 Persons	6.8	58.0	56.5	346	1,795	6.13	3.8
5 or More Persons	1.7	65.7	63.9	390	1,896	6.10	4.8

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

² Does not include all new construction for 1993.

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 89. Liquefied Petroleum Gas Consumption and Expenditures in West Region Households, 1993

Characteristics	Households Using LPG (million)	Average per Household				Expenditures (dollars per gallon)	RSE Row Factors
		Consumption		Expenditures (dollars)	Floorspace (square feet)		
		(million Btu)	(gallons)				
RSE Column Factor:	2.0	1.1	1.1	0.8	0.7	0.7	
Total Region	0.8	50.2	549	551	1,581	1.00	9.7
Mountain Division	0.4	66.4	728	626	1,564	0.86	8.6
Pacific Division	0.3	29.8	326	458	1,602	1.40	10.9
Climate Zone: ¹							
Under 2,000 CDD and Over 5,500 HDD	0.3	76.0	832	750	1,790	0.90	11.2
Under 5,500 HDD	0.3	35.5	389	449	1,320	1.15	19.3
2,000 CDD or More and Under 4,000 HDD	0.2	33.3	365	403	1,690	1.10	28.8
Type of Housing Unit							
Single-Family	0.5	52.8	578	592	1,889	1.02	9.7
Mobile Home	0.2	52.8	579	527	1,018	0.91	16.6
Multifamily (2 or more units)	Q	Q	Q	Q	Q	Q	NF
Heated Floorspace (square feet)							
Fewer than 1,000	0.3	36.0	395	404	897	1.02	15.2
1,000 to 1,999	0.3	48.9	535	522	1,476	0.97	11.0
2,000 or More	0.2	73.3	802	819	2,779	1.02	11.2
Ownership of Unit							
Owned	0.6	47.7	522	534	1,612	1.02	9.2
Rented	0.2	58.5	640	609	1,476	0.95	17.7
Year of Construction							
1939 or Before	0.2	62.0	679	611	1,754	0.90	15.9
1940 to 1979	0.3	51.2	560	565	1,455	1.01	20.5
1980 or After ²	0.3	40.8	446	494	1,587	1.11	14.0
1993 Family Income							
Less than \$10,000	0.1	28.0	306	340	1,259	1.11	21.3
\$10,000 to \$19,999	0.2	67.7	741	770	1,476	1.04	10.3
\$20,000 to \$34,999	0.2	55.7	610	548	1,551	0.90	14.0
\$35,000 to \$49,999	0.1	49.6	543	592	1,760	1.09	22.6
\$50,000 or More	0.1	42.8	469	460	2,020	0.98	28.8
Below Poverty Line							
100 Percent	0.2	29.4	322	357	1,239	1.11	14.1
125 Percent	0.2	30.4	333	365	1,237	1.10	14.1
150 Percent	0.2	31.8	349	391	1,368	1.12	10.5
Age of Householder							
Under 35 Years	0.2	53.8	589	546	1,561	0.93	25.3
35 to 59 Years	0.3	48.9	535	557	1,684	1.04	12.3
60 Years and Over	0.3	49.5	542	548	1,495	1.01	10.9
Household Size							
1 Person	0.1	34.1	374	373	1,010	1.00	20.1
2 to 4 Persons	0.6	55.2	605	605	1,619	1.00	11.7
5 or More Persons	Q	Q	Q	Q	Q	Q	NF

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

² Does not include all new construction for 1993.

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: • Data in the Mountain and Pacific Division are not presented separately due to a scarcity of data. • 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 D of the 1993 Residential Energy Consumption Survey.

**Table 90. Wood Consumption in West Region Households,
December 1989 Through November 1993**

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	1.1	1.1	0.8	0.8	1.0	1.4	1.4	0.9	0.9	
Total Region	5.7	0.12	6.0	21.2	1.1	1.1	0.07	3.4	61.0	3.1	10.2
Mountain Division	1.3	0.03	1.5	23.6	1.2	0.2	0.01	0.7	71.8	3.6	24.3
Pacific Division	4.4	0.09	4.5	20.4	1.0	0.9	0.05	2.7	58.7	2.9	11.6
Climate Zone¹											
Under 2,000 CDD and Over 5,500 HDD	1.4	0.05	2.4	32.9	1.6	0.4	0.03	1.5	77.1	3.9	19.9
Under 5,500 HDD	3.6	0.06	3.2	17.7	0.9	0.7	0.04	1.9	54.0	2.7	15.4
2,000 CDD or More and Under 4,000 HDD	0.7	0.01	0.5	14.5	0.7	Q	Q	Q	Q	Q	33.0
Type of Housing Unit											
Single-Family	5.0	0.11	5.4	21.5	1.1	1.0	0.06	3.0	60.8	3.0	12.3
Mobile Home	0.2	0.01	0.4	50.8	2.5	0.1	Q	Q	Q	Q	40.5
Multifamily (2 or more units)	0.5	Q	Q	Q	Q	Q	Q	Q	Q	Q	28.6
Heated Floorspace (square feet)											
Fewer than 1,000	0.6	0.02	0.8	26.2	1.3	0.3	0.01	0.7	53.0	2.6	21.0
1,000 to 1,999	3.1	0.06	3.1	20.1	1.0	0.6	0.04	1.9	60.1	3.0	12.8
2,000 or More	2.0	0.04	2.1	21.3	1.1	0.2	0.02	0.8	73.3	3.7	23.6
Ownership of Unit											
Owned	4.5	0.10	5.1	23.0	1.2	0.9	0.06	2.8	60.0	3.0	12.1
Rented	1.2	0.02	0.9	14.5	0.7	Q	Q	Q	Q	Q	21.3
Year of Construction											
1939 or Before	0.6	0.02	1.1	33.5	1.7	0.2	0.02	0.9	77.6	3.9	33.3
1940 to 1979	3.6	0.07	3.7	20.6	1.0	0.7	0.04	2.1	58.7	2.9	10.4
1980 or After ²	1.5	0.03	1.3	17.2	0.9	0.2	0.01	0.4	47.7	2.4	20.1
1993 Family Income											
Less than \$10,000	0.5	0.02	0.9	37.2	1.9	0.2	0.02	0.8	64.8	3.2	33.3
\$10,000 to \$19,999	0.6	0.02	1.1	37.4	1.9	0.2	0.02	0.9	87.6	4.4	19.9
\$20,000 to \$34,999	1.3	0.03	1.6	24.8	1.2	0.2	0.02	0.9	77.9	3.9	21.9
\$35,000 to \$49,999	1.3	0.02	0.9	14.6	0.7	0.2	0.01	0.3	30.0	1.5	21.9
\$50,000 or More	2.1	0.03	1.6	14.9	0.7	0.2	0.01	0.5	44.8	2.2	22.0
Below Poverty Line											
100 Percent	0.6	0.02	0.8	26.8	1.3	0.2	0.01	0.6	54.7	2.7	15.9
125 Percent	0.7	0.03	1.4	38.0	1.9	0.3	0.02	1.2	72.6	3.6	18.3
150 Percent	0.8	0.03	1.6	37.5	1.9	0.4	0.03	1.4	76.5	3.8	17.6
Age of Householder											
Under 35 Years	1.2	0.02	0.8	13.8	0.7	0.2	0.01	0.4	41.1	2.1	24.2
35 to 59 Years	3.3	0.07	3.7	22.3	1.1	0.6	0.04	1.9	66.9	3.3	14.0
60 Years and Over	1.2	0.03	1.6	25.3	1.3	0.3	0.02	1.0	63.3	3.2	19.2
Household Size											
1 Person	0.6	0.02	1.0	34.0	1.7	0.2	0.02	0.8	66.6	3.3	31.6
2 to 4 Persons	4.3	0.07	3.7	17.4	0.9	0.7	0.04	2.0	56.6	2.8	9.8
5 or More Persons	0.8	0.03	1.3	31.3	1.6	0.2	0.01	0.6	73.7	3.7	30.3

See footnotes at end of table.

**Table 90. Wood Consumption in West Region Households,
December 1989 Through November 1993 (Continued)**

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	1.1	1.1	0.8	0.8	1.0	1.4	1.4	0.9	0.9	
Main Heating Fuel											
Natural Gas	3.0	0.03	1.6	10.3	0.5	--	--	--	--	--	15.3
Electricity	1.3	0.02	0.8	13.0	0.7	--	--	--	--	--	20.7
Fuel Oil or Kerosene	Q	Q	Q	Q	Q	--	--	--	--	--	NF
Wood	1.1	0.07	3.4	61.0	3.1	1.1	0.07	3.4	61.0	3.1	11.0
Heating Stove	0.8	0.05	2.7	65.4	3.3	0.8	0.05	2.7	65.4	3.3	12.6
Fireplace	0.2	0.01	0.4	33.9	1.7	0.2	0.01	0.4	33.9	1.7	26.4
Furnace/Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
LPG	0.1	(*)	0.1	27.3	1.4	--	--	--	--	--	40.8
Other	Q	Q	Q	Q	Q	--	--	--	--	--	NF
Secondary Heating Equipment Used											
	0.2	0.02	0.9	87.2	4.4	0.2	0.02	0.9	87.2	4.4	26.1
Amount of Wood Burned in Past 12 Months											
Less than one-half Cord	2.8	0.01	0.4	2.8	0.1	Q	Q	Q	Q	Q	10.2
One-half to Less than 1	1.1	0.01	0.6	11.9	0.6	0.1	(*)	0.1	12.9	0.6	10.4
1 to Less than 2	0.6	0.01	0.6	21.8	1.1	0.2	(*)	0.2	23.3	1.2	11.3
2 to 4 Cords	0.7	0.04	2.0	55.7	2.8	0.4	0.03	1.4	62.1	3.1	10.0
More than 4 Cords	0.3	0.05	2.4	140.0	7.0	0.2	0.03	1.7	139.3	7.0	17.1
Purchased Firewood											
Yes	2.0	0.05	2.5	25.3	1.3	0.5	0.03	1.4	57.4	2.9	18.7
No	3.5	0.07	3.5	20.1	1.0	0.6	0.04	2.0	72.4	3.6	12.5

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.

-- = 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: • Data in the Mountain and Pacific Divisions are not presented separately due to a scarcity of data. • 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 91. Average Expenditures for Major Energy Sources in West Region 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:	0.7	0.7	0.5	2.4	NF	
West Region							
Total Region	12.5	24.2	5.6	7.2	Q	11.0	3.6
Climate Zone²							
Under 2,000 CDD and Over 5,500 HDD	8.9	16.2	4.4	7.5	Q	9.9	7.8
Under 5,500 HDD	13.6	27.0	6.0	7.1	Q	12.6	6.2
2,000 CDD or More and Under 4,000 HDD	17.0	31.1	6.4	Q	Q	12.1	9.2
Type of Housing Unit							
Single-Family	12.2	24.1	5.5	7.2	Q	11.2	4.1
Mobile Home	12.3	21.0	5.5	Q	Q	10.0	9.8
Multifamily (2 or more units)	14.4	25.8	5.8	Q	Q	Q	5.2
Heated Floorspace (square feet)							
Fewer than 1,000	13.4	23.6	5.8	Q	Q	11.2	4.7
1,000 to 1,999	12.9	24.9	5.7	7.5	Q	10.7	3.9
2,000 or More	11.3	23.7	5.2	7.0	Q	11.2	6.2
Ownership of Unit							
Owned	12.2	24.1	5.5	7.3	Q	11.2	4.0
Rented	13.2	24.6	5.8	Q	Q	10.4	4.4
Year of Construction							
1939 or Before	11.1	21.7	5.6	7.1	Q	9.9	5.1
1940 to 1979	12.7	24.4	5.6	7.4	Q	11.0	4.3
1980 or After ³	12.9	24.9	5.4	Q	Q	12.1	6.8
1993 Family Income							
Less than \$10,000	12.3	22.9	5.7	Q	Q	12.1	7.0
\$10,000 to \$19,999	12.4	23.7	5.7	Q	Q	11.4	5.1
\$20,000 to \$34,999	12.5	22.1	5.5	7.0	Q	9.8	5.3
\$35,000 to \$49,999	13.0	25.9	5.6	Q	Q	11.9	5.1
\$50,000 or More	12.5	25.9	5.4	Q	Q	10.7	6.7
Below Poverty Line							
100 Percent	12.9	23.6	5.8	Q	Q	12.1	6.0
125 Percent	12.6	23.5	5.7	Q	Q	12.0	6.0
150 Percent	12.8	23.5	5.7	Q	Q	12.3	4.9
Age of Householder							
Under 35 Years	12.2	23.4	5.5	Q	Q	10.2	5.4
35 to 59 Years	12.6	24.8	5.5	6.8	Q	11.4	3.8
60 Years and Over	12.7	23.9	5.6	7.6	Q	11.1	4.3
Household Size							
1 Person	12.4	22.7	5.6	Q	Q	10.9	5.5
2 to 4 Persons	12.4	24.3	5.5	6.9	Q	11.0	3.5
5 or More Persons	13.2	25.6	5.6	Q	Q	Q	6.4

See footnotes at end of table.

Table 91. Average Expenditures for Major Energy Sources in West Region Households, 1993 (Continued)

(Dollars per Million Btu)

Characteristics	Major Energy Sources ¹	Electricity	Natural Gas	Fuel Oil	Kerosene	Liquefied Petroleum Gas	RSE Row Factors
	0.7	0.7	0.5	2.4	NF	1.4	
Mountain Division	10.4	21.7	4.8	Q	Q	9.4	5.8
Climate Zone²							
Under 2,000 CDD and							
Over 5,500 HDD	8.2	17.8	4.4	Q	Q	9.0	7.1
Under 5,500 HDD	Q	Q	Q	Q	Q	Q	NF
2,000 CDD or More and							
Under 4,000 HDD	18.1	29.4	6.6	Q	Q	11.1	11.0
Type of Housing Unit							
Single-Family	9.9	21.3	4.7	Q	Q	9.2	6.4
Mobile Home	12.0	21.6	5.4	Q	Q	9.6	10.7
Multifamily (2 or more units)	12.8	24.2	5.3	Q	Q	Q	12.4
Heated Floorspace (square feet)							
Fewer than 1,000	11.4	22.5	5.4	Q	Q	10.0	8.6
1,000 to 1,999	10.9	22.4	5.1	Q	Q	9.2	5.7
2,000 or More	9.3	20.3	4.2	Q	Q	9.2	7.5
Ownership of Unit							
Owned	10.1	21.4	4.7	Q	Q	9.3	5.8
Rented	11.6	22.7	5.2	Q	Q	9.7	7.9
Year of Construction							
1939 or Before	9.0	19.3	4.8	Q	Q	9.1	8.7
1940 to 1979	10.3	21.6	4.9	Q	Q	9.4	6.5
1980 or After ³	11.8	22.8	4.4	Q	Q	10.1	10.4
1993 Family Income							
Less than \$10,000	10.9	23.0	5.3	Q	Q	Q	11.4
\$10,000 to \$19,999	10.7	22.8	5.2	Q	Q	9.6	8.2
\$20,000 to \$34,999	10.7	20.3	5.0	Q	Q	9.3	8.1
\$35,000 to \$49,999	11.1	22.4	4.8	Q	Q	Q	8.9
\$50,000 or More	9.4	21.5	4.2	Q	Q	Q	7.8
Below Poverty Line							
100 Percent	11.9	22.6	5.3	Q	Q	Q	11.1
125 Percent	11.2	21.6	5.2	Q	Q	Q	12.7
150 Percent	11.5	22.3	5.3	Q	Q	10.3	8.8
Age of Householder							
Under 35 Years	10.9	21.8	4.9	Q	Q	9.3	8.1
35 to 59 Years	10.0	21.0	4.7	Q	Q	10.2	5.2
60 Years and Over	10.8	23.0	5.0	Q	Q	8.6	7.8
Household Size							
1 Person	10.2	22.3	5.1	Q	Q	Q	9.8
2 to 4 Persons	10.3	22.2	4.8	Q	Q	9.2	5.3
5 or More Persons	11.4	19.4	4.5	Q	Q	Q	12.8

See footnotes at end of table.

Table 91. Average Expenditures for Major Energy Sources in West Region Households, 1993 (Continued)
(Dollars per Million Btu)

Characteristics	Major Energy Sources ¹	Electricity	Natural Gas	Fuel Oil	Kerosene	Liquefied Petroleum Gas	RSE Row Factors
	0.7	0.7	0.5	2.4	NF	1.4	
Pacific Division	13.6	25.3	6.0	7.3	Q	15.4	3.0
Climate Zone²							
Under 2,000 CDD and							
Over 5,500 HDD	11.3	14.3	4.1	Q	Q	Q	16.7
Under 5,500 HDD	13.7	27.4	6.1	7.1	Q	15.6	4.0
2,000 CDD or More and							
Under 4,000 HDD	15.7	33.9	6.2	Q	Q	Q	8.2
Type of Housing Unit							
Single-Family	13.3	25.2	6.0	7.3	Q	15.6	3.5
Mobile Home	12.9	20.0	5.8	Q	Q	Q	35.0
Multifamily (2 or more units)	15.0	26.2	6.0	Q	Q	Q	5.0
Heated Floorspace (square feet)							
Fewer than 1,000	14.4	24.0	6.0	Q	Q	16.7	3.9
1,000 to 1,999	13.7	25.7	5.9	7.6	Q	14.7	3.5
2,000 or More	12.7	25.9	5.9	7.1	Q	Q	7.5
Ownership of Unit							
Owned	13.5	25.3	6.0	7.4	Q	15.4	3.5
Rented	13.8	25.2	6.0	Q	Q	Q	3.4
Year of Construction							
1939 or Before	12.2	22.5	6.1	7.2	Q	Q	5.0
1940 to 1979	13.9	25.6	6.0	7.5	Q	Q	3.7
1980 or After ³	13.5	25.9	5.9	Q	Q	14.9	5.2
1993 Family Income							
Less than \$10,000	13.1	22.9	6.0	Q	Q	16.1	5.3
\$10,000 to \$19,999	13.5	24.1	6.1	Q	Q	Q	4.5
\$20,000 to \$34,999	13.7	23.0	5.9	7.1	Q	Q	4.9
\$35,000 to \$49,999	13.8	27.3	6.0	Q	Q	Q	4.7
\$50,000 or More	13.7	27.2	6.0	Q	Q	Q	4.9
Below Poverty Line							
100 Percent	13.3	24.0	6.0	Q	Q	16.3	6.1
125 Percent	13.3	24.3	6.0	Q	Q	16.4	5.3
150 Percent	13.6	24.1	6.0	Q	Q	15.8	3.8
Age of Householder							
Under 35 Years	13.0	24.3	5.9	Q	Q	Q	3.6
35 to 59 Years	13.9	26.3	6.0	6.7	Q	14.7	4.5
60 Years and Over	13.7	24.2	6.0	7.7	Q	15.5	3.3
Household Size							
1 Person	13.5	22.8	6.0	Q	Q	Q	5.1
2 to 4 Persons	13.6	25.2	6.0	6.9	Q	15.2	2.9
5 or More Persons	13.9	28.5	5.9	Q	Q	Q	5.6

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 92. Total Consumption and Expenditures by End Uses in West Region 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)	
	1.0 ¹	0.8 ¹	2.0 ¹	1.9 ¹	0.9 ¹	0.7 ¹	0.9 ¹	0.9 ¹	0.8 ¹	0.8 ¹	
West Region											
Total Region	701.7	5.09	31.6	0.92	362.2	2.87	86.0	2.35	366.4	8.18	3.8
Climate Zone²											
Under 2,000 CDD and											
Over 5,500 HDD	290.8	1.84	2.1	0.03	90.8	0.68	19.0	0.34	97.5	1.59	20.7
Under 5,500 HDD	335.2	2.62	15.7	0.47	223.8	1.71	49.1	1.45	210.0	5.05	10.4
2,000 CDD or More and											
Under 4,000 HDD	75.7	0.63	13.8	0.42	47.7	0.48	17.9	0.57	58.9	1.54	8.5
Type of Housing Unit											
Single-Family	581.2	3.98	22.0	0.64	258.9	1.93	65.1	1.78	290.6	6.48	6.5
Mobile Home	39.8	0.32	2.2	0.08	16.1	0.16	4.1	0.10	18.5	0.35	22.9
Multifamily (2 or more units)	80.7	0.79	7.4	0.22	87.3	0.78	16.9	0.47	57.3	1.34	11.1
Heated Floorspace (square feet)											
Fewer than 1,000	134.8	1.20	6.0	0.18	105.8	0.94	23.9	0.64	84.3	1.79	9.4
1,000 to 1,999	325.5	2.38	15.9	0.46	173.5	1.33	41.1	1.15	181.2	4.16	7.3
2,000 or More	241.4	1.50	9.7	0.28	82.9	0.60	21.0	0.55	101.0	2.23	13.9
Ownership of Unit											
Owned	524.3	3.58	22.4	0.66	220.7	1.71	59.0	1.60	258.0	5.73	6.6
Rented	177.4	1.51	9.2	0.27	141.5	1.16	27.1	0.75	108.4	2.44	7.8
Year of Construction											
1939 or Before	106.7	0.75	1.6	0.05	40.6	0.33	9.5	0.24	42.2	0.85	14.8
1940 to 1979	448.0	3.24	16.5	0.48	232.0	1.82	58.0	1.60	239.5	5.47	5.6
1980 or After ³	147.1	1.10	13.5	0.39	89.5	0.72	18.5	0.51	84.7	1.85	12.2
1993 Family Income											
Less than \$10,000	62.3	0.53	3.4	0.09	42.2	0.34	8.4	0.21	32.4	0.65	13.6
\$10,000 to \$19,999	139.9	1.08	5.8	0.17	76.7	0.64	17.6	0.47	69.7	1.48	10.1
\$20,000 to \$34,999	158.1	1.23	5.5	0.15	72.6	0.63	20.3	0.51	78.8	1.67	7.6
\$35,000 to \$49,999	117.9	0.83	6.2	0.19	63.2	0.49	14.2	0.41	67.5	1.58	9.4
\$50,000 or More	223.4	1.42	10.8	0.33	107.5	0.76	25.5	0.74	118.1	2.79	9.9
Below Poverty Line											
100 Percent	68.1	0.57	3.6	0.09	55.1	0.46	10.4	0.27	46.1	0.96	12.4
125 Percent	90.4	0.74	4.6	0.12	74.6	0.61	13.8	0.36	59.2	1.23	10.5
150 Percent	117.8	0.97	6.8	0.18	93.8	0.78	18.2	0.48	76.8	1.60	8.4
Age of Householder											
Under 35 Years	155.1	1.14	8.1	0.23	102.1	0.82	17.7	0.46	84.4	1.82	5.5
35 to 59 Years	334.6	2.31	15.9	0.47	188.4	1.45	42.2	1.18	191.1	4.33	6.7
60 Years and Over	212.0	1.64	7.5	0.22	71.7	0.60	26.1	0.71	90.9	2.03	8.0
Household Size											
1 Person	127.9	1.05	4.8	0.14	46.1	0.38	16.5	0.42	46.2	0.99	9.3
2 to 4 Persons	489.7	3.43	22.6	0.66	247.0	1.95	58.2	1.59	254.9	5.69	5.6
5 or More Persons	84.1	0.61	4.2	0.12	69.1	0.54	11.3	0.33	65.4	1.50	12.9

See footnotes at end of table.

Table 92. Total Consumption and Expenditures by End Uses in West Region Households, 1993 (Continued)

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)	
	1.0 ¹	0.8 ¹	2.0 ¹	1.9 ¹	0.9 ¹	0.7 ¹	0.9 ¹	0.9 ¹	0.8 ¹	0.8 ¹	
Mountain Division	281.5	1.73	13.8	0.37	103.7	0.81	23.7	0.55	103.3	2.04	6.1
Climate Zone²											
Under 2,000 CDD and											
Over 5,500 HDD	228.0	1.24	1.6	0.03	69.8	0.47	12.0	0.22	64.3	1.11	18.3
Under 5,500 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
2,000 CDD or More and											
Under 4,000 HDD	36.6	0.36	10.7	0.31	24.5	0.28	9.9	0.29	31.1	0.80	9.3
Type of Housing Unit											
Single-Family	228.2	1.33	8.2	0.21	75.8	0.54	17.4	0.40	80.8	1.59	9.5
Mobile Home	27.4	0.20	2.0	Q	10.7	0.11	2.6	0.06	12.4	0.23	24.3
Multifamily (2 or more units)	25.8	0.20	3.6	0.10	17.2	0.16	3.6	0.09	10.2	0.22	25.8
Heated Floorspace (square feet)											
Fewer than 1,000	59.0	0.41	3.4	0.10	27.8	0.25	6.3	0.15	22.5	0.44	15.8
1,000 to 1,999	112.3	0.72	5.9	0.15	46.2	0.35	10.1	0.25	45.3	0.92	10.9
2,000 or More	110.2	0.60	4.5	0.12	29.7	0.21	7.3	0.15	35.5	0.68	20.1
Ownership of Unit											
Owned	223.1	1.31	9.4	0.25	73.3	0.55	17.2	0.39	79.5	1.56	8.7
Rented	58.4	0.41	4.4	0.12	30.4	0.26	6.4	0.16	23.8	0.49	15.1
Year of Construction											
1939 or Before	42.9	0.27	0.2	(*)	10.5	0.08	2.4	0.05	10.9	0.19	20.3
1940 to 1979	182.0	1.09	7.4	0.20	69.8	0.51	16.0	0.37	67.3	1.35	8.3
1980 or After ³	56.6	0.37	6.2	0.16	23.4	0.22	5.3	0.13	25.1	0.50	22.0
1993 Family Income											
Less than \$10,000	27.5	0.19	Q	Q	13.8	0.11	2.6	0.07	9.8	0.20	13.6
\$10,000 to \$19,999	65.5	0.42	3.6	0.10	24.0	0.20	5.8	0.14	22.7	0.45	18.1
\$20,000 to \$34,999	72.9	0.48	2.7	0.07	26.9	0.23	7.2	0.16	28.6	0.55	13.5
\$35,000 to \$49,999	39.0	0.24	2.8	0.07	14.6	0.12	3.1	0.08	16.5	0.34	13.9
\$50,000 or More	76.6	0.40	3.4	0.09	24.5	0.16	5.0	0.11	25.8	0.51	25.1
Below Poverty Line											
100 Percent	26.5	0.19	1.5	0.04	13.9	0.13	3.1	0.08	12.8	0.25	11.2
125 Percent	37.1	0.26	1.7	0.05	20.1	0.16	4.1	0.10	16.9	0.33	13.2
150 Percent	52.2	0.36	3.3	0.09	29.2	0.24	5.9	0.14	24.4	0.48	11.3
Age of Householder											
Under 35 Years	69.5	0.45	4.2	0.11	31.5	0.26	6.1	0.14	27.9	0.56	8.2
35 to 59 Years	134.6	0.79	5.4	0.14	51.3	0.39	10.8	0.24	50.8	0.98	8.8
60 Years and Over	77.3	0.49	4.1	0.11	20.9	0.15	6.7	0.16	24.6	0.51	10.5
Household Size											
1 Person	49.4	0.31	2.4	0.07	12.5	0.10	4.3	0.10	11.7	0.24	13.6
2 to 4 Persons	203.8	1.22	9.6	0.26	77.3	0.59	16.4	0.38	75.5	1.51	9.4
5 or More Persons	28.3	0.19	1.8	0.04	13.9	0.12	3.0	0.06	16.1	0.30	23.9

See footnotes at end of table.

Table 92. Total Consumption and Expenditures by End Uses in West Region Households, 1993 (Continued)

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)	
RSE Column Factor:	1.0 ¹	0.8 ¹	2.0 ¹	1.9 ¹	0.9 ¹	0.7 ¹	0.9 ¹	0.9 ¹	0.8 ¹	0.8 ¹	
Pacific Division	420.2	3.36	17.8	0.56	258.5	2.06	62.4	1.80	263.1	6.13	4.9
Climate Zone ²											
Under 2,000 CDD and Over 5,500 HDD	62.7	Q	Q	Q	21.0	Q	7.0	Q	33.2	Q	52.8
Under 5,500 HDD	318.3	2.50	14.2	0.44	214.3	1.65	47.4	1.41	202.2	4.92	9.8
2,000 CDD or More and Under 4,000 HDD	39.2	0.27	3.1	0.11	23.2	0.20	8.0	0.27	27.8	0.74	15.8
Type of Housing Unit											
Single-Family	353.0	2.65	13.9	0.43	183.1	1.39	47.7	1.38	209.8	4.89	8.4
Mobile Home	Q	0.12	Q	Q	5.4	0.05	1.4	0.03	6.1	0.12	43.7
Multifamily (2 or more units)	54.9	0.59	3.8	0.12	70.0	0.62	13.3	0.38	47.2	1.12	11.9
Heated Floorspace (square feet)											
Fewer than 1,000	75.7	0.79	2.6	0.08	78.0	0.69	17.7	0.49	61.7	1.35	11.6
1,000 to 1,999	213.2	1.67	10.0	0.31	127.3	0.98	31.0	0.91	135.9	3.23	9.1
2,000 or More	131.2	0.91	5.2	0.17	53.2	0.39	13.7	0.40	65.5	1.55	18.2
Ownership of Unit											
Owned	301.2	2.26	13.1	0.41	147.5	1.16	41.7	1.21	178.6	4.18	8.8
Rented	119.0	1.09	4.8	0.15	111.1	0.91	20.6	0.59	84.5	1.96	8.7
Year of Construction											
1939 or Before	63.8	0.49	1.4	Q	30.1	0.25	7.1	0.19	31.3	0.66	17.8
1940 to 1979	266.0	2.14	9.1	0.28	162.2	1.32	42.1	1.23	172.2	4.12	7.2
1980 or After ³	90.4	0.73	7.4	0.23	66.2	0.50	13.2	0.38	59.6	1.35	14.4
1993 Family Income											
Less than \$10,000	34.8	0.34	2.0	0.05	28.4	0.23	5.8	0.15	22.6	0.46	18.6
\$10,000 to \$19,999	74.4	0.66	2.2	0.07	52.8	0.44	11.8	0.33	47.0	1.04	11.4
\$20,000 to \$34,999	85.2	0.75	2.8	0.09	45.7	0.41	13.2	0.35	50.2	1.11	8.9
\$35,000 to \$49,999	78.9	0.59	3.5	0.12	48.6	0.37	11.1	0.34	51.0	1.25	11.9
\$50,000 or More	146.8	1.02	7.4	0.24	83.0	0.61	20.5	0.63	92.3	2.28	10.5
Below Poverty Line											
100 Percent	41.6	0.38	2.1	0.05	41.1	0.34	7.2	0.20	33.3	0.70	18.1
125 Percent	53.3	0.48	2.9	0.07	54.5	0.44	9.6	0.27	42.3	0.90	14.3
150 Percent	65.5	0.60	3.5	0.09	64.5	0.54	12.2	0.34	52.4	1.11	12.0
Age of Householder											
Under 35 Years	85.6	0.69	3.9	0.12	70.7	0.56	11.6	0.31	56.5	1.27	7.2
35 to 59 Years	200.0	1.52	10.5	0.33	137.1	1.06	31.4	0.94	140.2	3.35	8.7
60 Years and Over	134.7	1.15	3.4	0.11	50.8	0.44	19.4	0.55	66.4	1.51	10.4
Household Size											
1 Person	78.5	0.74	2.4	0.07	33.6	0.28	12.2	0.32	34.5	0.75	12.3
2 to 4 Persons	285.9	2.21	13.1	0.41	169.7	1.36	41.8	1.21	179.4	4.18	7.1
5 or More Persons	55.8	0.42	2.4	0.08	55.3	0.42	8.4	0.27	49.2	1.20	15.1

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.

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

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 93. Consumption by End Uses, per West Region 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	0.7	1.0	1.1 ¹	2.3	1.8 ¹	1.0	0.8 ¹	1.0	0.6 ¹	1.0	0.6 ¹	

West Region

Total Region	20.4	76.0	19.4	36.2	7.2	4.4	20.2	17.9	20.3	4.2	20.4	18.0	4.1
Climate Zone²													
Under 2,000 CDD and Over 5,500 HDD	4.5	110.8	4.4	66.1	0.9	2.2	4.5	20.4	4.5	4.2	4.5	21.6	13.4
Under 5,500 HDD	12.5	66.9	12.0	28.0	4.2	3.7	12.4	18.0	12.4	3.9	12.5	16.9	6.3
2,000 CDD or More and Under 4,000 HDD	3.4	63.3	3.0	25.1	2.0	6.8	3.4	14.2	3.4	5.3	3.4	17.4	6.3
Type of Housing Unit													
Single-Family	13.5	90.2	12.9	45.1	4.7	4.7	13.4	19.4	13.5	4.8	13.5	21.5	4.2
Mobile Home	1.0	79.7	1.0	39.5	0.4	6.0	1.0	15.9	1.0	4.0	1.0	18.3	13.8
Multifamily (2 or more units)	5.8	42.7	5.5	14.7	2.2	3.4	5.8	14.9	5.8	2.9	5.8	9.8	7.6
Heated Floorspace (square feet)													
Fewer than 1,000	7.3	48.9	6.5	20.8	2.0	3.0	7.2	14.7	7.2	3.3	7.3	11.6	6.6
1,000 to 1,999	9.3	79.2	9.1	35.6	3.6	4.4	9.3	18.7	9.3	4.4	9.3	19.5	5.0
2,000 or More	3.8	120.2	3.8	64.2	1.5	6.4	3.8	21.9	3.8	5.5	3.8	26.6	8.9
Ownership of Unit													
Owned	11.9	91.5	11.3	46.3	4.6	4.8	11.8	18.7	11.9	5.0	11.9	21.8	4.4
Rented	8.5	54.5	8.0	22.1	2.5	3.6	8.4	16.8	8.5	3.2	8.5	12.8	5.8
Year of Construction													
1939 or Before	2.7	74.2	2.5	43.5	0.4	3.5	2.7	15.0	2.7	3.5	2.7	15.6	8.6
1940 to 1979	13.0	76.3	12.4	36.3	4.2	3.9	12.9	18.0	13.0	4.5	13.0	18.4	4.1
1980 or After ³	4.6	76.4	4.6	32.2	2.5	5.4	4.6	19.4	4.6	4.0	4.6	18.3	8.6
1993 Family Income													
Less than \$10,000	2.6	57.2	2.5	25.0	0.8	4.1	2.6	16.4	2.6	3.3	2.6	12.4	9.5
\$10,000 to \$19,999	4.7	65.6	4.4	31.9	1.6	3.7	4.7	16.5	4.7	3.7	4.7	14.8	7.3
\$20,000 to \$34,999	4.7	70.9	4.5	34.8	1.5	3.6	4.7	15.3	4.7	4.3	4.7	16.7	5.5
\$35,000 to \$49,999	3.4	78.2	3.3	35.4	1.2	5.1	3.4	18.4	3.4	4.1	3.4	19.6	7.1
\$50,000 or More	4.9	99.8	4.6	48.3	2.1	5.2	4.8	22.3	4.9	5.2	4.9	24.3	6.8
Below Poverty Line													
100 Percent	2.9	63.2	2.7	25.2	0.8	4.3	2.9	19.2	2.9	3.6	2.9	15.9	9.3
125 Percent	3.8	63.6	3.6	25.3	1.2	3.9	3.8	19.7	3.8	3.6	3.8	15.5	8.6
150 Percent	5.0	63.2	4.7	25.3	1.6	4.2	4.9	19.0	4.9	3.7	5.0	15.5	7.0
Age of Householder													
Under 35 Years	5.5	67.2	5.1	30.4	1.8	4.5	5.4	18.8	5.4	3.2	5.5	15.4	4.9
35 to 59 Years	9.4	82.1	9.0	37.2	3.2	5.0	9.4	20.1	9.4	4.5	9.4	20.3	4.6
60 Years and Over	5.5	74.5	5.3	40.2	2.2	3.5	5.4	13.2	5.5	4.8	5.5	16.6	6.3
Household Size													
1 Person	4.6	52.1	4.4	28.8	1.6	3.1	4.5	10.1	4.6	3.6	4.6	10.0	6.6
2 to 4 Persons	13.1	81.9	12.5	39.0	4.8	4.7	13.0	18.9	13.1	4.5	13.1	19.5	3.5
5 or More Persons	2.6	89.0	2.4	35.3	0.8	5.3	2.6	26.3	2.6	4.3	2.6	24.9	8.0

See footnotes at end of table.

Table 93. Consumption by End Uses, per West Region Households, 1993 (Continued)

Characteristics	All Uses		Space Heating		Air Conditioning		Water Heating		Refrigerator		Appliances		RSE Row Factors
	Households (million)	Consumption (million Btu)	Households (million)	Consumption (million Btu)	Households (million)	Consumption (million Btu)	Households (million)	Consumption (million Btu)	Households (million)	Consumption (million Btu)	Households (million)	Consumption (million Btu)	
	1.0	0.7	1.0	1.1 ¹	2.3	1.8 ¹	1.0	0.8 ¹	1.0	0.6 ¹	1.0	0.6 ¹	
Mountain Division	5.4	98.1	5.3	53.3	2.1	6.6	5.3	19.4	5.4	4.4	5.4	19.3	7.0
Climate Zone²													
Under 2,000 CDD and													
Over 5,500 HDD	3.1	122.8	3.0	76.4	0.7	2.2	3.1	22.8	3.1	3.9	3.1	21.0	12.1
Under 5,500 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
2,000 CDD or More and													
Under 4,000 HDD	1.9	58.7	1.9	19.1	1.2	8.7	1.9	12.9	1.9	5.1	1.9	16.2	7.4
Type of Housing Unit													
Single-Family	3.6	112.6	3.6	63.1	1.2	6.8	3.6	20.9	3.6	4.8	3.6	22.2	7.6
Mobile Home	0.7	84.2	0.7	42.1	0.3	6.9	0.7	16.3	0.7	4.0	0.7	18.9	13.8
Multifamily (2 or more units)	1.1	57.0	1.0	25.6	0.6	6.0	1.1	16.3	1.1	3.4	1.1	9.6	16.9
Heated Floorspace (square feet)													
Fewer than 1,000	1.8	66.6	1.7	34.0	0.7	4.9	1.8	15.6	1.8	3.5	1.8	12.6	12.1
1,000 to 1,999	2.2	99.5	2.2	51.3	0.9	6.4	2.2	20.9	2.2	4.6	2.2	20.5	6.5
2,000 or More	1.4	137.2	1.4	81.3	0.5	9.2	1.3	22.0	1.4	5.3	1.4	26.0	12.6
Ownership of Unit													
Owned	3.6	110.4	3.6	61.7	1.4	6.7	3.6	20.2	3.6	4.7	3.6	21.8	6.9
Rented	1.7	72.0	1.7	35.1	0.7	6.3	1.7	17.7	1.7	3.7	1.7	13.9	11.2
Year of Construction													
1939 or Before	0.6	110.1	0.6	72.6	0.1	2.2	0.6	17.3	0.6	3.9	0.6	17.9	14.6
1940 to 1979	3.5	98.7	3.4	53.4	1.3	5.6	3.5	20.2	3.5	4.6	3.5	19.4	7.4
1980 or After ³	1.3	90.8	1.3	44.3	0.7	9.1	1.3	18.2	1.3	4.1	1.3	19.6	14.8
1993 Family Income													
Less than \$10,000	0.8	71.6	0.8	36.0	0.2	5.9	0.8	17.9	0.8	3.4	0.8	12.7	13.0
\$10,000 to \$19,999	1.4	86.2	1.4	47.2	0.6	5.6	1.4	17.0	1.4	4.1	1.4	16.1	12.6
\$20,000 to \$34,999	1.4	95.8	1.4	52.2	0.5	5.7	1.4	18.6	1.4	5.0	1.4	19.8	9.0
\$35,000 to \$49,999	0.7	104.4	0.7	53.6	0.3	8.3	0.7	20.0	0.7	4.3	0.7	22.7	8.8
\$50,000 or More	1.0	133.7	1.0	76.1	0.4	8.0	1.0	24.6	1.0	4.9	1.0	25.5	15.3
Below Poverty Line													
100 Percent	0.8	76.6	0.7	35.4	0.2	6.6	0.8	18.4	0.8	4.1	0.8	16.9	8.4
125 Percent	1.0	80.4	1.0	37.6	0.3	6.1	1.0	20.2	1.0	4.2	1.0	17.0	10.8
150 Percent	1.5	78.6	1.4	36.1	0.5	6.6	1.5	20.0	1.5	4.1	1.5	16.7	9.6
Age of Householder													
Under 35 Years	1.6	84.8	1.6	43.4	0.7	6.2	1.6	19.3	1.6	3.7	1.6	17.0	7.0
35 to 59 Years	2.3	110.7	2.3	59.6	0.7	7.8	2.3	22.4	2.3	4.7	2.3	22.2	6.0
60 Years and Over	1.4	93.4	1.4	54.4	0.7	5.8	1.4	14.6	1.4	4.7	1.4	17.2	10.4
Household Size													
1 Person	1.1	72.5	1.1	45.1	0.5	4.6	1.1	11.3	1.1	3.9	1.1	10.6	10.7
2 to 4 Persons	3.7	103.0	3.7	55.8	1.4	7.0	3.7	20.9	3.7	4.4	3.7	20.3	5.8
5 or More Persons	0.5	117.5	0.5	53.0	0.2	9.1	0.5	25.8	0.5	5.6	0.5	30.0	16.5

See footnotes at end of table.

Table 93. Consumption by End Uses, per West Region Households, 1993 (Continued)

Characteristics	All Uses		Space Heating		Air Conditioning		Water Heating		Refrigerator		Appliances		RSE Row Factors
	Households (million)	Consumption (million Btu)	Households (million)	Consumption (million Btu)	Households (million)	Consumption (million Btu)	Households (million)	Consumption (million Btu)	Households (million)	Consumption (million Btu)	Households (million)	Consumption (million Btu)	
	1.0	0.7	1.0	1.1 ¹	2.3	1.8 ¹	1.0	0.8 ¹	1.0	0.6 ¹	1.0	0.6 ¹	
Pacific Division	15.0	68.2	14.1	29.8	5.1	3.5	14.9	17.4	15.0	4.2	15.0	17.5	5.0
Climate Zone²													
Under 2,000 CDD and Over 5,500 HDD	Q	85.5	Q	44.5	0.2	2.2	Q	15.1	Q	4.8	Q	22.8	20.6
Under 5,500 HDD	12.1	65.9	11.6	27.5	4.1	3.5	12.0	17.8	12.1	3.9	12.1	16.7	6.1
2,000 CDD or More and Under 4,000 HDD	1.5	69.3	1.1	35.6	0.8	3.9	1.5	15.9	1.5	5.5	1.5	19.0	9.7
Type of Housing Unit													
Single-Family	9.9	81.9	9.3	38.1	3.5	4.0	9.7	18.8	9.9	4.8	9.9	21.3	4.9
Mobile Home	0.4	71.4	0.4	34.6	Q	Q	0.4	15.2	0.4	4.0	0.4	17.2	32.0
Multifamily (2 or more units)	4.8	39.5	4.5	12.3	1.5	2.4	4.8	14.6	4.8	2.8	4.8	9.9	8.0
Heated Floorspace (square feet)													
Fewer than 1,000	5.5	43.1	4.7	16.0	1.3	2.0	5.4	14.4	5.4	3.2	5.5	11.3	7.7
1,000 to 1,999	7.1	72.9	7.0	30.6	2.7	3.7	7.0	18.1	7.1	4.4	7.1	19.1	6.0
2,000 or More	2.4	110.7	2.4	54.5	1.0	5.0	2.4	21.9	2.4	5.6	2.4	26.9	11.3
Ownership of Unit													
Owned	8.2	83.1	7.7	39.0	3.2	4.0	8.2	18.1	8.2	5.1	8.2	21.7	5.7
Rented	6.8	50.1	6.4	18.7	1.8	2.6	6.7	16.5	6.8	3.1	6.8	12.5	6.4
Year of Construction													
1939 or Before	2.1	63.8	1.9	34.3	0.4	3.8	2.1	14.4	2.1	3.4	2.1	14.9	10.7
1940 to 1979	9.6	68.2	8.9	29.7	2.9	3.1	9.4	17.2	9.5	4.4	9.6	18.0	5.0
1980 or After ³	3.3	70.9	3.3	27.5	1.8	4.1	3.3	19.8	3.3	3.9	3.3	17.8	10.2
1993 Family Income													
Less than \$10,000	1.8	51.1	1.7	20.1	0.6	3.5	1.8	15.8	1.8	3.2	1.8	12.3	12.3
\$10,000 to \$19,999	3.3	56.8	3.0	24.8	0.9	2.3	3.3	16.2	3.3	3.6	3.3	14.2	8.2
\$20,000 to \$34,999	3.3	59.9	3.1	27.1	1.0	2.7	3.3	13.9	3.3	4.0	3.3	15.3	6.7
\$35,000 to \$49,999	2.7	71.1	2.6	30.3	0.9	3.9	2.7	17.9	2.7	4.1	2.7	18.8	8.9
\$50,000 or More	3.8	90.9	3.6	40.6	1.6	4.5	3.8	21.7	3.8	5.3	3.8	24.0	7.0
Below Poverty Line													
100 Percent	2.1	58.4	2.0	21.3	0.6	3.5	2.1	19.4	2.1	3.4	2.1	15.5	12.4
125 Percent	2.8	57.6	2.6	20.6	0.9	3.2	2.8	19.5	2.8	3.4	2.8	15.0	10.8
150 Percent	3.5	56.7	3.2	20.4	1.1	3.1	3.5	18.6	3.5	3.5	3.5	15.0	9.1
Age of Householder													
Under 35 Years	3.8	59.7	3.5	24.4	1.1	3.5	3.8	18.6	3.8	3.1	3.8	14.8	6.2
35 to 59 Years	7.1	72.9	6.7	29.7	2.5	4.2	7.1	19.3	7.1	4.4	7.1	19.7	5.8
60 Years and Over	4.1	67.8	3.9	35.0	1.5	2.3	4.0	12.7	4.1	4.8	4.1	16.4	7.8
Household Size													
1 Person	3.5	45.7	3.4	23.4	1.0	2.3	3.4	9.8	3.5	3.5	3.5	9.8	8.3
2 to 4 Persons	9.4	73.6	8.9	32.2	3.5	3.8	9.3	18.2	9.4	4.5	9.4	19.1	4.3
5 or More Persons	2.1	81.7	1.8	30.2	0.6	4.0	2.1	26.4	2.1	4.0	2.1	23.5	9.2

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.

• 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 94. Expenditures by End Uses, per West Region Households, 1993

Characteristics	All Uses		Space Heating		Air Conditioning		Water Heating		Refrigerators		Appliances		RSE Row Factors
	Households (million)	Expenditures (dollars)	Households (million)	Expenditures (dollars)	Households (million)	Expenditures (dollars)	Households (million)	Expenditures (dollars)	Households (million)	Expenditures (dollars)	Households (million)	Expenditures (dollars)	
	RSE Column Factor:	1.1	0.5	1.1	0.9 ¹	2.4	2.0 ¹	1.1	0.5 ¹	1.1	0.8 ¹	1.1	

West Region

Total Region	20.4	953	19.4	263	7.2	128	20.2	142	20.3	116	20.4	402	3.8
Climate Zone²													
Under 2,000 CDD and Over 5,500 HDD	4.5	990	4.4	418	0.9	33	4.5	152	4.5	74	4.5	351	11.1
Under 5,500 HDD	12.5	907	12.0	219	4.2	112	12.4	138	12.4	116	12.5	405	6.3
2,000 CDD or More and Under 4,000 HDD	3.4	1,074	3.0	209	2.0	208	3.4	142	3.4	167	3.4	455	5.6
Type of Housing Unit													
Single-Family	13.5	1,098	12.9	309	4.7	138	13.4	144	13.5	132	13.5	480	4.0
Mobile Home	1.0	977	1.0	314	0.4	167	1.0	162	1.0	94	1.0	349	13.6
Multifamily (2 or more units)	5.8	616	5.5	144	2.2	102	5.8	133	5.8	81	5.8	229	7.5
Heated Floorspace (square feet)													
Fewer than 1,000	7.3	657	6.5	186	2.0	88	7.2	131	7.2	89	7.3	247	6.3
1,000 to 1,999	9.3	1,018	9.1	260	3.6	127	9.3	143	9.3	124	9.3	446	4.7
2,000 or More	3.8	1,361	3.8	400	1.5	186	3.8	159	3.8	145	3.8	587	8.7
Ownership of Unit													
Owned	11.9	1,120	11.3	316	4.6	141	11.8	145	11.9	135	11.9	484	4.2
Rented	8.5	721	8.0	188	2.5	105	8.4	138	8.5	88	8.5	287	5.8
Year of Construction													
1939 or Before	2.7	825	2.5	307	0.4	108	2.7	122	2.7	90	2.7	316	9.2
1940 to 1979	13.0	968	12.4	262	4.2	113	12.9	141	13.0	123	13.0	420	3.8
1980 or After ³	4.6	988	4.6	240	2.5	159	4.6	156	4.6	110	4.6	400	7.6
1993 Family Income													
Less than \$10,000	2.6	702	2.5	213	0.8	106	2.6	133	2.6	82	2.6	252	9.9
\$10,000 to \$19,999	4.7	813	4.4	246	1.6	107	4.7	137	4.7	100	4.7	314	6.7
\$20,000 to \$34,999	4.7	886	4.5	270	1.5	101	4.7	134	4.7	108	4.7	352	5.3
\$35,000 to \$49,999	3.4	1,018	3.3	249	1.2	153	3.4	144	3.4	119	3.4	460	7.0
\$50,000 or More	4.9	1,243	4.6	307	2.1	159	4.8	158	4.9	153	4.9	574	5.8
Below Poverty Line													
100 Percent	2.9	812	2.7	211	0.8	112	2.9	161	2.9	94	2.9	329	9.3
125 Percent	3.8	804	3.6	209	1.2	101	3.8	161	3.8	96	3.8	322	8.2
150 Percent	5.0	808	4.7	208	1.6	113	4.9	158	4.9	97	5.0	322	6.8
Age of Householder													
Under 35 Years	5.5	819	5.1	224	1.8	129	5.4	152	5.4	84	5.5	334	5.0
35 to 59 Years	9.4	1,035	9.0	256	3.2	147	9.4	155	9.4	126	9.4	460	4.3
60 Years and Over	5.5	947	5.3	311	2.2	101	5.4	110	5.5	129	5.5	369	5.6
Household Size													
1 Person	4.6	645	4.4	237	1.6	89	4.5	84	4.6	92	4.6	214	6.0
2 to 4 Persons	13.1	1,017	12.5	273	4.8	137	13.0	149	13.1	122	13.1	434	3.4
5 or More Persons	2.6	1,179	2.4	256	0.8	154	2.6	206	2.6	125	2.6	570	7.5

See footnotes at end of table.

Table 94. Expenditures by End Uses, per West Region Households, 1993 (Continued)

Characteristics	All Uses		Space Heating		Air Conditioning		Water Heating		Refrigerators		Appliances		RSE Row Factors
	Households (million)	Expenditures (dollars)	Households (million)	Expenditures (dollars)	Households (million)	Expenditures (dollars)	Households (million)	Expenditures (dollars)	Households (million)	Expenditures (dollars)	Households (million)	Expenditures (dollars)	
	1.1	0.5	1.1	0.9 ¹	2.4	2.0 ¹	1.1	0.5 ¹	1.1	0.8 ¹	1.1	0.7 ¹	
Mountain Division	5.4	1,025	5.3	327	2.1	175	5.3	151	5.4	102	5.4	382	6.1
Climate Zone²													
Under 2,000 CDD and													
Over 5,500 HDD	3.1	1,003	3.0	416	0.7	38	3.1	153	3.1	73	3.1	362	11.5
Under 5,500 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
2,000 CDD or More and													
Under 4,000 HDD	1.9	1,066	1.9	189	1.2	255	1.9	145	1.9	152	1.9	419	5.7
Type of Housing Unit													
Single-Family	3.6	1,115	3.6	367	1.2	175	3.6	148	3.6	109	3.6	436	6.5
Mobile Home	0.7	1,009	0.7	308	0.3	193	0.7	169	0.7	93	0.7	356	13.6
Multifamily (2 or more units)	1.1	727	1.0	196	0.6	167	1.1	150	1.1	85	1.1	210	16.4
Heated Floorspace (square feet)													
Fewer than 1,000	1.8	760	1.7	238	0.7	141	1.8	140	1.8	85	1.8	249	10.6
1,000 to 1,999	2.2	1,081	2.2	328	0.9	168	2.2	159	2.2	111	2.2	417	6.6
2,000 or More	1.4	1,282	1.4	440	0.5	236	1.3	152	1.4	111	1.4	498	10.6
Ownership of Unit													
Owned	3.6	1,113	3.6	363	1.4	176	3.6	151	3.6	107	3.6	427	6.0
Rented	1.7	839	1.7	248	0.7	172	1.7	151	1.7	92	1.7	284	10.2
Year of Construction													
1939 or Before	0.6	991	0.6	451	0.1	61	0.6	139	0.6	85	0.6	320	14.9
1940 to 1979	3.5	1,014	3.4	321	1.3	149	3.5	146	3.5	107	3.5	389	6.6
1980 or After ³	1.3	1,072	1.3	288	0.7	240	1.3	169	1.3	98	1.3	390	11.5
1993 Family Income													
Less than \$10,000	0.8	779	0.8	247	0.2	171	0.8	139	0.8	85	0.8	258	12.6
\$10,000 to \$19,999	1.4	922	1.4	300	0.6	158	1.4	141	1.4	98	1.4	317	11.1
\$20,000 to \$34,999	1.4	1,029	1.4	346	0.5	140	1.4	156	1.4	109	1.4	383	8.4
\$35,000 to \$49,999	0.7	1,164	0.7	333	0.3	215	0.7	165	0.7	103	0.7	464	9.0
\$50,000 or More	1.0	1,251	1.0	396	0.4	209	1.0	156	1.0	112	1.0	504	12.0
Below Poverty Line													
100 Percent	0.8	911	0.7	257	0.2	185	0.8	166	0.8	101	0.8	334	7.2
125 Percent	1.0	904	1.0	267	0.3	168	1.0	166	1.0	98	1.0	328	9.0
150 Percent	1.5	902	1.4	252	0.5	178	1.5	165	1.5	97	1.5	331	8.0
Age of Householder													
Under 35 Years	1.6	926	1.6	280	0.7	168	1.6	160	1.6	87	1.6	338	6.7
35 to 59 Years	2.3	1,109	2.3	348	0.7	196	2.3	172	2.3	107	2.3	428	5.5
60 Years and Over	1.4	1,005	1.4	347	0.7	161	1.4	108	1.4	114	1.4	358	8.6
Household Size													
1 Person	1.1	740	1.1	287	0.5	129	1.1	90	1.1	92	1.1	213	10.1
2 to 4 Persons	3.7	1,064	3.7	334	1.4	187	3.7	158	3.7	103	3.7	406	5.3
5 or More Persons	0.5	1,344	0.5	364	0.2	209	0.5	227	0.5	119	0.5	558	14.3

See footnotes at end of table.

Table 94. Expenditures by End Uses, per West Region Households, 1993 (Continued)

Characteristics	All Uses		Space Heating		Air Conditioning		Water Heating		Refrigerators		Appliances		RSE Row Factors
	Households (mil-lion)	Expenditures (dol-lars)	Households (mil-lion)	Expenditures (dol-lars)	Households (mil-lion)	Expenditures (dol-lars)	Households (mil-lion)	Expenditures (dol-lars)	Households (mil-lion)	Expenditures (dol-lars)	Households (mil-lion)	Expenditures (dol-lars)	
	1.1	0.5	1.1	0.9 ¹	2.4	2.0 ¹	1.1	0.5 ¹	1.1	0.8 ¹	1.1	0.7 ¹	
Pacific Division	15.0	928	14.1	238	5.1	109	14.9	139	15.0	120	15.0	409	4.7
Climate Zone²													
Under 2,000 CDD and Over 5,500 HDD	Q	962	Q	421	0.2	20	Q	150	Q	77	Q	330	12.9
Under 5,500 HDD	12.1	904	11.6	216	4.1	110	12.0	137	12.1	117	12.1	407	6.2
2,000 CDD or More and Under 4,000 HDD	1.5	1,085	1.1	244	0.8	134	1.5	139	1.5	187	1.5	503	10.3
Type of Housing Unit													
Single-Family	9.9	1,091	9.3	286	3.5	125	9.7	143	9.9	140	9.9	497	5.0
Mobile Home	0.4	920	0.4	326	Q	Q	0.4	150	0.4	96	0.4	337	32.0
Multifamily (2 or more units)	4.8	591	4.5	133	1.5	77	4.8	129	4.8	80	4.8	233	8.2
Heated Floorspace (square feet)													
Fewer than 1,000	5.5	623	4.7	167	1.3	61	5.4	128	5.4	90	5.5	247	7.4
1,000 to 1,999	7.1	999	7.0	239	2.7	113	7.0	139	7.1	128	7.1	456	5.6
2,000 or More	2.4	1,406	2.4	377	1.0	163	2.4	162	2.4	164	2.4	637	11.8
Ownership of Unit													
Owned	8.2	1,123	7.7	294	3.2	127	8.2	142	8.2	148	8.2	509	5.5
Rented	6.8	691	6.4	172	1.8	79	6.7	135	6.8	87	6.8	288	6.6
Year of Construction													
1939 or Before	2.1	777	1.9	262	0.4	118	2.1	118	2.1	91	2.1	315	11.1
1940 to 1979	9.6	951	8.9	240	2.9	97	9.4	139	9.5	128	9.6	431	4.6
1980 or After ³	3.3	956	3.3	222	1.8	128	3.3	150	3.3	115	3.3	404	9.5
1993 Family Income													
Less than \$10,000	1.8	670	1.7	198	0.6	80	1.8	130	1.8	81	1.8	249	12.6
\$10,000 to \$19,999	3.3	767	3.0	221	0.9	72	3.3	136	3.3	101	3.3	313	8.1
\$20,000 to \$34,999	3.3	823	3.1	237	1.0	83	3.3	124	3.3	107	3.3	338	6.7
\$35,000 to \$49,999	2.7	979	2.6	225	0.9	131	2.7	138	2.7	124	2.7	459	8.6
\$50,000 or More	3.8	1,241	3.6	283	1.6	147	3.8	158	3.8	164	3.8	593	6.3
Below Poverty Line													
100 Percent	2.1	776	2.0	193	0.6	84	2.1	160	2.1	92	2.1	328	12.5
125 Percent	2.8	769	2.6	186	0.9	80	2.8	159	2.8	95	2.8	320	10.8
150 Percent	3.5	768	3.2	189	1.1	84	3.5	155	3.5	97	3.5	319	9.3
Age of Householder													
Under 35 Years	3.8	773	3.5	198	1.1	105	3.8	149	3.8	82	3.8	331	6.6
35 to 59 Years	7.1	1,011	6.7	226	2.5	133	7.1	149	7.1	132	7.1	471	5.4
60 Years and Over	4.1	927	3.9	298	1.5	72	4.0	111	4.1	135	4.1	374	7.1
Household Size													
1 Person	3.5	615	3.4	220	1.0	69	3.4	82	3.5	92	3.5	214	7.5
2 to 4 Persons	9.4	999	8.9	248	3.5	117	9.3	146	9.4	129	9.4	445	4.3
5 or More Persons	2.1	1,137	1.8	224	0.6	135	2.1	200	2.1	127	2.1	573	8.9

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.

• 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 95 Total Electricity and Natural Gas Consumption and Expenditures for Space Heating in West Region 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	1.4 ¹	1.4 ¹	1.2 ¹	0.7	0.9 ¹	0.9 ¹	0.8 ¹	

West Region

Total Region	8.3	84.7	24.8	1.57	12.4	556.2	541	2.99	6.3
Climate Zone²									
Under 2,000 CDD and									
Over 5,500 HDD	2.1	41.8	12.2	0.61	2.4	217.6	212	0.95	19.6
Under 5,500 HDD	5.1	36.9	10.8	0.78	8.1	271.5	264	1.61	11.6
2,000 CDD or More and									
Under 4,000 HDD	1.2	6.1	1.8	0.18	2.0	67.1	65	0.42	8.9
Type of Housing Unit									
Single-Family	4.6	57.2	16.8	1.00	9.4	470.3	457	2.51	8.9
Mobile Home	0.4	6.2	1.8	0.11	0.5	26.9	26	0.14	33.6
Multifamily (2 or more units)	3.3	21.3	6.3	0.46	2.5	59.0	57	0.33	15.9
Heated Floorspace (square feet)									
Fewer than 1,000	3.4	31.2	9.2	0.60	3.4	96.5	94	0.53	10.3
1,000 to 1,999	3.9	38.8	11.4	0.71	6.2	261.0	254	1.45	9.7
2,000 or More	1.0	14.7	4.3	0.26	2.8	198.7	193	1.01	15.4
Ownership of Unit									
Owned	4.1	50.3	14.8	0.89	7.9	424.0	412	2.25	8.4
Rented	4.2	34.4	10.1	0.68	4.5	132.1	129	0.73	9.9
Year of Construction									
1939 or Before	0.9	10.4	3.1	0.16	1.7	70.9	69	0.39	14.0
1940 to 1979	5.3	54.9	16.1	1.02	8.2	365.0	355	1.97	8.7
1980 or After ³	2.1	19.4	5.7	0.39	2.5	120.2	117	0.63	13.1
1993 Family Income									
Less than \$10,000	1.3	11.2	3.3	0.23	1.3	44.6	43	0.25	14.0
\$10,000 to \$19,999	2.2	18.3	5.4	0.34	2.5	104.9	102	0.57	14.4
\$20,000 to \$34,999	2.0	25.9	7.6	0.46	2.7	108.1	105	0.58	10.4
\$35,000 to \$49,999	1.3	11.6	3.4	0.22	2.4	100.1	97	0.55	12.9
\$50,000 or More	1.5	17.8	5.2	0.32	3.6	198.4	193	1.04	13.1
Below Poverty Line									
100 Percent	1.4	11.6	3.4	0.23	1.4	48.8	47	0.27	14.0
125 Percent	1.9	15.9	4.6	0.31	1.9	66.4	65	0.37	13.0
150 Percent	2.4	20.1	5.9	0.39	2.5	87.2	85	0.48	11.9
Age of Householder									
Under 35 Years	2.4	21.5	6.3	0.40	3.1	125.9	122	0.67	8.1
35 to 59 Years	3.4	34.8	10.2	0.64	6.3	277.1	270	1.47	7.6
60 Years and Over	2.5	28.4	8.3	0.53	3.1	153.2	149	0.84	11.5
Household Size									
1 Person	2.2	22.9	6.7	0.44	2.4	92.6	90	0.51	13.0
2 to 4 Persons	5.0	50.5	14.8	0.92	8.4	395.1	384	2.12	7.0
5 or More Persons	1.1	11.3	3.3	0.21	1.6	68.5	67	0.36	13.9

See footnotes at end of table.

Table 95 Total Electricity and Natural Gas Consumption and Expenditures for Space Heating in West Region Households, 1993 (Continued)

Characteristics	Electricity				Natural Gas				RSE Row Factors
	Households (million)	Total Consumed		Total Expenditures (billion dollars)	Households (million)	Total Consumed		Total Expenditures (billion dollars)	
		(trillion Btu)	(billion kWh)			(trillion Btu)	(billion cubic feet)		
RSE Column Factor:	1.0	1.4 ¹	1.4 ¹	1.2 ¹	0.7	0.9 ¹	0.9 ¹	0.8 ¹	
Mountain Division	2.0	19.9	5.8	0.39	3.5	233.7	227	1.10	8.9
Climate Zone²									
Under 2,000 CDD and Over 5,500 HDD	0.9	13.3	3.9	0.21	2.2	192.9	188	0.85	18.1
Under 5,500 HDD	Q	Q	Q	Q	Q	Q	Q	Q	NF
2,000 CDD or More and Under 4,000 HDD	1.0	5.2	1.5	0.15	1.0	28.8	28	0.19	11.3
Type of Housing Unit									
Single-Family	1.2	13.6	4.0	0.26	2.6	193.2	188	0.89	11.5
Mobile Home	0.2	Q	Q	0.04	0.4	18.6	18	0.10	29.3
Multifamily (2 or more units)	0.6	3.9	1.2	0.08	0.5	21.9	21	0.11	34.2
Heated Floorspace (square feet)									
Fewer than 1,000	0.7	5.7	1.7	0.11	1.1	47.5	46	0.25	23.0
1,000 to 1,999	0.9	8.0	2.3	0.16	1.5	94.5	92	0.47	9.2
2,000 or More	0.4	6.2	1.8	0.12	0.9	91.8	89	0.38	21.0
Ownership of Unit									
Owned	1.2	14.1	4.1	0.27	2.5	187.9	183	0.86	11.0
Rented	0.8	5.8	1.7	0.11	0.9	45.8	45	0.23	17.8
Year of Construction									
1939 or Before	0.2	Q	Q	0.03	0.4	29.9	29	0.14	23.7
1940 to 1979	1.2	12.1	3.6	0.23	2.4	157.3	153	0.76	10.6
1980 or After ³	0.6	6.0	1.8	0.13	0.6	46.4	45	0.20	24.8
1993 Family Income									
Less than \$10,000	0.3	2.8	0.8	0.05	0.5	22.3	22	0.11	17.9
\$10,000 to \$19,999	0.5	2.8	0.8	0.06	0.9	54.4	53	0.27	22.1
\$20,000 to \$34,999	0.5	6.7	2.0	0.12	0.9	54.2	53	0.27	21.2
\$35,000 to \$49,999	0.3	3.1	0.9	0.06	0.5	34.1	33	0.16	18.3
\$50,000 or More	0.4	4.5	1.3	0.09	0.7	68.7	67	0.28	22.3
Below Poverty Line									
100 Percent	0.3	2.8	0.8	0.06	0.4	19.8	19	0.10	15.7
125 Percent	0.4	4.3	1.3	0.08	0.6	28.6	28	0.15	20.8
150 Percent	0.6	5.1	1.5	0.10	0.9	41.9	41	0.22	16.2
Age of Householder									
Under 35 Years	0.6	6.0	1.8	0.12	1.0	55.9	54	0.27	11.1
35 to 59 Years	0.8	8.9	2.6	0.17	1.5	115.4	112	0.52	13.4
60 Years and Over	0.5	5.0	1.5	0.10	1.0	62.4	61	0.31	14.3
Household Size									
1 Person	0.4	3.4	1.0	0.07	0.7	41.2	40	0.20	22.4
2 to 4 Persons	1.4	12.1	3.5	0.24	2.5	172.1	167	0.80	8.1
5 or More Persons	0.2	4.4	1.3	0.08	0.3	20.4	20	0.09	29.2

See footnotes at end of table.

Table 95 Total Electricity and Natural Gas Consumption and Expenditures for Space Heating in West Region Households, 1993 (Continued)

Characteristics	Electricity				Natural Gas				RSE Row Factors
	Households (million)	Total Consumed		Total Expenditures (billion dollars)	Households (million)	Total Consumed		Total Expenditures (billion dollars)	
		(trillion Btu)	(billion kWh)			(trillion Btu)	(billion cubic feet)		
RSE Column Factor:	1.0	1.4 ¹	1.4 ¹	1.2 ¹	0.7	0.9 ¹	0.9 ¹	0.8 ¹	
Pacific Division	6.3	64.9	19.0	1.18	9.0	322.5	314	1.89	8.2
Climate Zone²									
Under 2,000 CDD and Over 5,500 HDD	Q	Q	Q	Q	0.2	24.7	24	Q	59.1
Under 5,500 HDD	4.9	35.6	10.4	0.76	7.8	259.5	252	1.55	11.3
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	3.4	43.7	12.8	0.74	6.8	277.0	269	1.63	11.5
Mobile Home	0.2	Q	Q	Q	Q	Q	Q	Q	45.4
Multifamily (2 or more units)	2.7	17.4	5.1	0.37	2.0	37.2	36	0.22	16.3
Heated Floorspace (square feet)									
Fewer than 1,000	2.7	25.6	7.5	0.49	2.4	49.0	48	0.29	11.8
1,000 to 1,999	3.0	30.8	9.0	0.56	4.8	166.6	162	0.97	12.7
2,000 or More	0.6	8.5	2.5	0.14	1.9	106.9	104	0.63	22.0
Ownership of Unit									
Owned	2.9	36.3	10.6	0.62	5.4	236.1	230	1.39	11.4
Rented	3.4	28.6	8.4	0.56	3.6	86.4	84	0.50	11.5
Year of Construction									
1939 or Before	0.7	8.7	2.6	0.13	1.3	41.0	40	0.24	17.0
1940 to 1979	4.1	42.8	12.5	0.79	5.8	207.7	202	1.22	11.3
1980 or After ³	1.5	13.4	3.9	0.26	1.9	73.8	72	0.43	14.8
1993 Family Income									
Less than \$10,000	1.0	8.4	2.5	0.17	0.8	22.4	22	0.13	19.2
\$10,000 to \$19,999	1.7	15.5	4.5	0.28	1.6	50.5	49	0.30	15.8
\$20,000 to \$34,999	1.5	19.2	5.6	0.35	1.8	53.9	52	0.31	11.5
\$35,000 to \$49,999	1.0	8.5	2.5	0.16	1.9	66.0	64	0.39	16.4
\$50,000 or More	1.1	13.2	3.9	0.23	2.9	129.7	126	0.76	15.2
Below Poverty Line									
100 Percent	1.1	8.7	2.6	0.17	1.0	28.9	28	0.17	18.9
125 Percent	1.5	11.5	3.4	0.22	1.3	37.8	37	0.22	15.0
150 Percent	1.8	15.0	4.4	0.29	1.7	45.3	44	0.27	15.9
Age of Householder									
Under 35 Years	1.8	15.5	4.5	0.28	2.1	69.9	68	0.41	10.4
35 to 59 Years	2.6	26.0	7.6	0.47	4.8	161.7	157	0.95	9.5
60 Years and Over	2.0	23.4	6.9	0.43	2.1	90.8	88	0.54	15.1
Household Size									
1 Person	1.8	19.6	5.7	0.37	1.7	51.4	50	0.30	15.9
2 to 4 Persons	3.7	38.4	11.3	0.68	5.9	223.0	217	1.31	9.3
5 or More Persons	0.9	6.9	2.0	0.14	1.3	48.0	47	0.27	15.7

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. • 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 96. Electricity Consumption and Expenditures for Main Space Heating, per West Region 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)	
RSE Column Factor:	1.4	1.3 ¹	1.3 ¹	1.0 ¹	0.6	1.0	0.9	0.8 ¹	0.9 ¹	

West Region

Total Region	5.6	14.2	4,160	259	1,177	3,650	3,873	0.97	6.0	6.2
Climate Zone²										
Under 2,000 CDD and Over 5,500 HDD	1.4	29.1	8,516	422	1,224	6,814	6,814	1.02	5.1	9.2
Under 5,500 HDD	3.3	10.4	3,038	214	1,123	2,950	3,221	0.92	6.5	10.0
2,000 CDD or More and Under 4,000 HDD	1.0	6.1	1,774	178	1,297	1,519	1,898	0.90	9.0	14.1
Type of Housing Unit										
Single-Family	2.3	22.5	6,589	384	1,563	4,286	4,438	0.98	5.7	6.8
Mobile Home	0.2	23.1	6,757	402	910	5,144	5,186	1.44	8.6	19.1
Multifamily (2 or more units)	3.0	7.0	2,051	149	898	3,030	3,324	0.75	5.5	8.1
Heated Floorspace (square feet)										
Fewer than 1,000	2.8	10.8	3,160	206	706	3,655	3,897	1.22	8.0	7.0
1,000 to 1,999	2.2	16.0	4,675	285	1,379	3,638	3,853	0.93	5.7	7.8
2,000 or More	0.6	23.9	6,996	416	2,676	3,667	3,832	0.71	4.2	10.6
Ownership of Unit										
Owned	2.3	20.7	6,062	357	1,634	3,924	4,110	0.95	5.6	6.7
Rented	3.3	9.8	2,881	192	870	3,465	3,714	0.96	6.4	7.5
Year of Construction										
1939 or Before	0.5	21.0	6,163	305	1,086	4,633	4,817	1.23	6.1	12.5
1940 to 1979	3.4	15.1	4,420	275	1,129	3,847	4,056	1.02	6.3	8.6
1980 or After ³	1.8	10.7	3,127	214	1,294	3,008	3,269	0.80	5.5	10.2
1993 Family Income										
Less than \$10,000	1.0	10.1	2,956	210	794	3,627	3,824	1.03	7.3	14.7
\$10,000 to \$19,999	1.6	10.9	3,183	198	900	3,158	3,448	1.12	7.0	10.3
\$20,000 to \$34,999	1.5	16.8	4,926	299	1,309	4,082	4,267	0.92	5.6	9.2
\$35,000 to \$49,999	0.8	13.9	4,065	251	1,376	3,657	3,869	0.81	5.0	13.6
\$50,000 or More	0.7	22.0	6,447	383	1,824	3,857	4,060	0.92	5.5	9.1
Below Poverty Line										
100 Percent	1.1	9.6	2,821	195	872	3,276	3,519	0.99	6.8	11.9
125 Percent	1.4	10.1	2,966	197	888	3,260	3,506	1.02	6.8	13.0
150 Percent	1.8	10.3	3,032	202	898	3,339	3,583	1.01	6.7	12.2
Age of Householder										
Under 35 Years	1.9	10.9	3,181	199	974	3,536	3,766	0.92	5.8	8.7
35 to 59 Years	2.1	15.6	4,565	282	1,281	3,921	4,105	0.91	5.6	7.4
60 Years and Over	1.7	16.3	4,770	298	1,280	3,442	3,706	1.08	6.8	11.5
Household Size										
1 Person	1.8	12.4	3,621	235	872	3,637	3,885	1.14	7.4	10.8
2 to 4 Persons	3.1	14.9	4,370	267	1,310	3,685	3,898	0.91	5.5	6.2
5 or More Persons	0.7	15.7	4,607	284	1,368	3,522	3,727	0.96	5.9	10.1

See footnotes at end of table.

Table 96. Electricity Consumption and Expenditures for Main Space Heating, per West Region 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:	1.4	1.3 ¹	1.3 ¹	1.0 ¹	0.6	1.0	0.9	0.8 ¹	0.9 ¹	

West Region

Main Heating Equipment Using Electricity

Central Warm-Air Furnace	1.9	13.1	3,839	250	1,288	3,066	3,331	0.97	6.3	10.8
Built-In Electric Units	2.5	15.6	4,558	266	1,022	4,445	4,610	1.00	5.9	7.8
Heat Pump	0.7	15.8	4,623	295	1,694	2,754	3,050	0.99	6.3	14.8
Other	0.5	9.0	2,644	205	819	3,018	3,282	1.07	8.3	15.3

Age of Main Heating Equipment

Less than 5 Years	0.9	12.5	3,657	235	1,138	2,937	3,188	1.09	7.0	14.3
5 to 9 Years	0.8	17.5	5,136	261	1,448	3,658	3,901	0.97	4.9	11.0
10 to 19 Years	1.5	16.6	4,857	303	1,302	4,421	4,532	0.84	5.3	9.3
20 Years or More	1.2	15.6	4,572	298	1,145	3,525	3,793	1.13	7.4	15.1
Don't Know	1.3	9.4	2,754	189	928	3,355	3,635	0.88	6.1	13.0

Secondary Heating Fuel (more than one may apply)

No	3.6	11.1	3,253	214	960	3,317	3,584	1.02	6.7	9.4
Yes	2.0	19.8	5,812	340	1,573	4,255	4,399	0.87	5.1	7.0
Wood	1.4	22.1	6,489	371	1,752	4,658	4,775	0.79	4.5	8.2
Electricity	0.4	20.2	5,914	344	1,171	3,611	3,808	1.40	8.1	15.6
Natural Gas	0.2	8.2	2,404	215	1,130	2,293	2,525	0.93	8.3	21.1
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	2.3	24.1	7,070	331	1,249	5,829	5,874	0.97	4.5	7.3
6 to Less than 9	0.7	14.0	4,100	303	1,109	4,159	4,304	0.89	6.6	13.2
9 or More	2.6	5.6	1,656	185	1,133	1,630	2,028	0.90	10.0	9.0

Adequacy of Insulation

Well Insulated	2.1	15.2	4,442	269	1,313	3,694	3,912	0.92	5.5	9.7
Adequately Insulated	2.2	14.2	4,151	264	1,168	3,707	3,938	0.96	6.1	6.6
Poorly Insulated	1.3	12.7	3,735	235	982	3,486	3,703	1.09	6.9	11.3

See footnotes at end of table.

Table 96. Electricity Consumption and Expenditures for Main Space Heating, per West Region 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:	1.4	1.3 ¹	1.3 ¹	1.0 ¹	0.6	1.0	0.9	0.8 ¹	0.9 ¹	
Mountain Division	1.4	13.7	4,026	267	1,337	3,437	3,524	0.88	5.8	12.5
Climate Zone²										
Under 2,000 CDD and Over 5,500 HDD	0.4	28.6	8,379	457	1,404	7,953	7,468	0.75	4.1	9.3
Under 5,500 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
2,000 CDD or More and Under 4,000 HDD	0.8	6.0	1,748	170	1,290	1,196	1,582	1.13	11.0	9.4
Type of Housing Unit										
Single-Family	0.7	18.1	5,293	344	1,747	3,882	3,897	0.78	5.1	10.4
Mobile Home	0.1	17.7	5,182	327	1,052	3,750	3,732	1.31	Q	31.9
Multifamily (2 or more units)	0.5	7.2	2,112	153	870	2,787	2,991	0.87	6.3	21.0
Heated Floorspace (square feet)										
Fewer than 1,000	0.5	10.0	2,924	197	741	3,067	3,217	1.29	8.7	18.8
1,000 to 1,999	0.6	13.3	3,890	262	1,313	3,639	3,680	0.81	5.5	10.7
2,000 or More	0.3	22.5	6,583	424	2,615	3,765	3,817	0.67	4.3	13.7
Ownership of Unit										
Owned	0.7	17.7	5,177	341	1,712	3,626	3,677	0.83	5.5	10.8
Rented	0.6	9.0	2,639	179	886	3,210	3,340	0.93	6.3	16.0
Year of Construction										
1939 or Before	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
1940 to 1979	0.8	14.9	4,378	283	1,255	3,626	3,671	0.96	6.2	13.5
1980 or After ³	0.5	11.0	3,235	236	1,484	2,751	2,950	0.79	5.8	18.6
1993 Family Income										
Less than \$10,000	0.2	11.3	3,317	218	798	4,343	4,370	0.96	6.3	22.7
\$10,000 to \$19,999	0.4	6.6	1,930	157	1,054	2,028	2,273	0.90	7.3	16.1
\$20,000 to \$34,999	0.3	20.5	6,009	356	1,372	4,626	4,549	0.95	5.6	18.6
\$35,000 to \$49,999	0.2	13.4	3,928	268	1,771	2,974	3,083	0.75	5.1	18.2
\$50,000 or More	0.2	19.8	5,809	391	1,966	3,663	3,749	0.81	5.4	15.5
Below Poverty Line										
100 Percent	0.2	11.3	3,313	231	945	3,660	3,756	0.96	6.7	16.7
125 Percent	0.3	14.1	4,132	266	1,026	4,087	4,128	0.98	6.3	18.5
150 Percent	0.4	10.9	3,190	216	1,017	3,415	3,537	0.92	6.2	21.6
Age of Householder										
Under 35 Years	0.5	11.2	3,292	217	1,019	3,198	3,346	1.01	6.7	11.5
35 to 59 Years	0.5	16.0	4,701	302	1,434	4,388	4,368	0.75	4.8	15.8
60 Years and Over	0.3	14.0	4,110	290	1,674	2,344	2,500	1.05	7.4	18.4
Household Size										
1 Person	0.3	10.7	3,142	215	948	2,840	3,013	1.17	Q	28.5
2 to 4 Persons	0.9	12.7	3,712	256	1,393	3,495	3,568	0.76	5.3	10.8
5 or More Persons	0.2	24.1	7,068	411	1,714	4,157	4,164	0.99	5.8	17.0

See footnotes at end of table.

Table 96. Electricity Consumption and Expenditures for Main Space Heating, per West Region 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:	1.4	1.3 ¹	1.3 ¹	1.0 ¹	0.6	1.0	0.9	0.8 ¹	0.9 ¹	
Pacific Division	4.2	14.3	4,203	256	1,126	3,718	3,985	1.00	6.1	7.3
Climate Zone²										
Under 2,000 CDD and Over 5,500 HDD	Q	29.3	8,578	407	1,141	6,289	6,512	1.20	5.7	13.3
Under 5,500 HDD	3.2	10.2	2,995	212	1,114	2,952	3,230	0.91	6.5	10.3
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	1.6	24.4	7,140	401	1,485	4,458	4,668	1.08	6.1	8.0
Mobile Home	Q	28.4	8,317	477	769	6,524	6,627	1.66	9.5	25.1
Multifamily (2 or more units)	2.5	7.0	2,038	148	905	3,083	3,397	0.73	5.3	8.8
Heated Floorspace (square feet)										
Fewer than 1,000	2.2	11.0	3,216	208	698	3,796	4,060	1.21	7.8	7.5
1,000 to 1,999	1.7	16.8	4,938	292	1,401	3,638	3,911	0.97	5.7	9.6
2,000 or More	0.3	25.1	7,344	409	2,727	3,585	3,845	0.75	4.2	16.9
Ownership of Unit										
Owned	1.5	22.2	6,499	366	1,596	4,072	4,324	1.00	5.6	8.5
Rented	2.7	10.0	2,936	196	867	3,523	3,798	0.96	6.4	8.5
Year of Construction										
1939 or Before	0.4	21.0	6,165	300	1,079	4,292	4,565	1.33	6.5	13.6
1940 to 1979	2.6	15.1	4,432	273	1,093	3,912	4,168	1.04	6.4	10.5
1980 or After ³	1.2	10.5	3,080	205	1,212	3,119	3,407	0.81	5.4	12.6
1993 Family Income										
Less than \$10,000	0.8	9.7	2,841	207	793	3,399	3,651	1.05	7.7	18.6
\$10,000 to \$19,999	1.2	12.2	3,576	211	851	3,512	3,816	1.20	7.1	11.8
\$20,000 to \$34,999	1.2	15.8	4,642	284	1,292	3,940	4,194	0.91	5.6	10.5
\$35,000 to \$49,999	0.5	14.1	4,121	244	1,218	3,932	4,185	0.86	5.1	17.9
\$50,000 or More	0.5	22.9	6,699	380	1,768	3,933	4,183	0.96	5.5	11.4
Below Poverty Line										
100 Percent	0.8	9.1	2,682	185	851	3,167	3,451	0.99	6.9	15.0
125 Percent	1.1	9.1	2,662	179	852	3,045	3,344	1.03	6.9	16.2
150 Percent	1.3	10.2	2,979	197	858	3,313	3,599	1.05	6.9	15.0
Age of Householder										
Under 35 Years	1.4	10.7	3,140	193	956	3,661	3,922	0.90	5.5	10.8
35 to 59 Years	1.5	15.4	4,519	275	1,230	3,766	4,018	0.98	5.9	8.4
60 Years and Over	1.3	16.9	4,939	299	1,180	3,721	4,012	1.12	6.8	13.3
Household Size										
1 Person	1.5	12.7	3,718	239	857	3,797	4,060	1.14	7.3	11.9
2 to 4 Persons	2.2	15.8	4,629	271	1,277	3,760	4,028	0.96	5.7	7.4
5 or More Persons	0.5	12.7	3,733	238	1,246	3,296	3,573	0.91	5.8	12.9

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 97. Natural Gas Consumption and Expenditures for Main Space Heating, per West Region 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 (kWh/HDD* 1000 square feet)	Expenditures (cents/HDD* 1000 square feet)	
West Region										
Total Region	12.1	45.4	44.2	243	1,576	3,310	3,529	8.5	4.7	4.1
Climate Zone²										
Under 2,000 CDD and Over 5,500 HDD	2.4	90.5	88.1	394	1,866	8,035	7,686	5.9	2.6	7.4
Under 5,500 HDD	7.7	34.2	33.3	204	1,513	2,033	2,384	10.8	6.6	5.2
2,000 CDD or More and Under 4,000 HDD	1.9	34.4	33.5	218	1,473	2,602	2,987	8.7	5.7	10.2
Type of Housing Unit										
Single-Family	9.1	50.8	49.4	271	1,804	3,363	3,571	8.2	4.5	4.4
Mobile Home	0.5	51.9	50.4	277	946	4,584	4,688	11.6	6.4	9.9
Multifamily (2 or more units)	2.5	23.9	23.3	134	866	2,847	3,128	9.4	5.4	9.9
Heated Floorspace (square feet)										
Fewer than 1,000	3.3	28.9	28.1	160	727	3,134	3,354	12.3	7.0	7.6
1,000 to 1,999	6.0	42.4	41.2	234	1,424	3,059	3,315	9.5	5.4	3.8
2,000 or More	2.8	71.9	69.9	364	2,930	4,071	4,207	5.9	3.1	7.6
Ownership of Unit										
Owned	7.7	54.2	52.7	287	1,861	3,593	3,777	7.9	4.3	4.3
Rented	4.4	29.9	29.1	166	1,073	2,812	3,091	9.6	5.5	6.6
Year of Construction										
1939 or Before	1.6	43.7	42.5	237	1,435	3,390	3,591	8.7	4.9	8.6
1940 to 1979	8.0	44.9	43.6	242	1,522	3,116	3,336	9.2	5.1	4.2
1980 or After ³	2.5	48.2	46.8	251	1,839	3,888	4,113	6.6	3.5	11.1
1993 Family Income										
Less than \$10,000	1.2	36.0	35.0	198	1,035	3,268	3,486	10.3	5.9	9.5
\$10,000 to \$19,999	2.5	42.0	40.9	229	1,209	3,454	3,640	9.8	5.5	7.9
\$20,000 to \$34,999	2.6	41.6	40.4	222	1,419	3,500	3,696	8.1	4.5	7.0
\$35,000 to \$49,999	2.2	43.0	41.9	236	1,700	3,067	3,330	8.0	4.5	6.0
\$50,000 or More	3.6	55.1	53.6	289	2,048	3,241	3,471	8.1	4.4	7.8
Below Poverty Line										
100 Percent	1.4	35.0	34.0	195	1,163	2,962	3,222	9.9	5.7	9.6
125 Percent	1.8	36.2	35.2	200	1,160	3,186	3,424	9.5	5.4	9.7
150 Percent	2.5	35.1	34.1	194	1,140	3,196	3,422	9.4	5.3	6.9
Age of Householder										
Under 35 Years	3.0	41.0	39.9	218	1,332	3,558	3,761	8.4	4.6	5.9
35 to 59 Years	6.0	45.1	43.9	239	1,715	3,260	3,480	7.8	4.3	5.6
60 Years and Over	3.0	50.3	48.9	277	1,539	3,166	3,397	10.0	5.7	4.9
Household Size										
1 Person	2.3	39.1	38.0	214	1,154	3,336	3,526	9.9	5.6	7.7
2 to 4 Persons	8.2	47.6	46.3	255	1,662	3,351	3,566	8.3	4.6	4.7
5 or More Persons	1.6	43.1	41.9	227	1,757	3,058	3,340	7.8	4.2	8.1

See footnotes at end of table.

Table 97. Natural Gas Consumption and Expenditures for Main Space Heating, per West Region 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 (kWh/HDD* 1000 square feet)	Expenditures (cents/HDD* 1000 square feet)	
RSE Column Factor:	1.3	1.0 ¹	1.0 ¹	0.9 ¹	0.8	1.0	0.9	0.9 ¹	1.2 ¹	

West Region

Main Heating Equipment Using Natural Gas

Central Warm-Air Furnace	8.2	49.5	48.2	267	1,777	3,436	3,638	7.9	4.4	4.4
Steam or Hot-Water System	0.8	75.0	73.0	338	1,470	6,876	6,827	7.2	3.3	16.6
Floor, Wall, or Pipeless Furnace	2.6	25.3	24.6	149	1,069	1,954	2,299	11.8	7.2	6.0
Room Heater/Other	0.4	33.9	32.9	187	986	2,598	2,853	12.9	7.3	16.7

Age of Main Heating Equipment

Less than 5 Years	1.9	50.3	48.9	259	1,796	3,630	3,788	7.5	4.0	7.1
5 to 9 Years	1.8	54.7	53.2	296	1,763	3,917	4,094	7.7	4.3	10.0
10 to 19 Years	2.6	51.0	49.6	263	1,654	3,709	3,897	8.1	4.3	5.5
20 Years or More	4.1	41.3	40.1	227	1,482	2,731	3,007	9.9	5.6	5.9
Don't Know	1.7	31.3	30.5	179	1,238	3,082	3,323	8.0	4.7	10.8

Secondary Heating Fuel (more than one may apply)

No	5.4	53.8	52.4	280	1,885	3,616	3,828	7.7	4.1	5.0
Yes	6.6	38.5	37.4	214	1,323	3,060	3,284	9.3	5.3	4.6
Wood	3.5	57.3	55.7	300	2,050	3,702	3,929	7.3	4.0	6.1
Electricity	2.0	44.7	43.5	233	1,459	3,308	3,535	9.0	4.8	7.2
Kerosene	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Other	1.0	58.0	56.5	286	2,066	3,746	3,893	7.3	3.7	16.0

Average Natural Gas Expenditures for Main Space Heat (dollars per 1000 cf)

Less than 4.50	1.6	99.6	96.9	382	2,083	7,991	7,716	5.8	2.3	9.1
4.50 to Less than 6	4.8	40.8	39.7	219	1,469	3,068	3,314	8.8	4.9	5.5
6 or More	5.7	34.2	33.3	225	1,525	2,215	2,549	9.8	6.7	7.5

Adequacy of Insulation

Well Insulated	3.9	49.5	48.1	264	1,802	3,769	3,937	7.1	3.9	6.1
Adequately Insulated	5.1	43.9	42.7	236	1,566	3,120	3,368	8.7	4.8	4.6
Poorly Insulated	3.1	42.7	41.6	231	1,310	3,047	3,283	10.4	5.8	7.7

See footnotes at end of table.

Table 97. Natural Gas Consumption and Expenditures for Main Space Heating, per West Region 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 (kWh/HDD* 1000 square feet)	Expenditures (cents/HDD* 1000 square feet)	
Mountain Division	3.4	68.4	66.5	320	1,667	5,868	5,695	6.8	3.3	6.4
Climate Zone²										
Under 2,000 CDD and Over 5,500 HDD	2.2	87.8	85.4	383	1,859	8,037	7,573	5.7	2.6	7.8
Under 5,500 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
2,000 CDD or More and Under 4,000 HDD	1.0	29.2	28.4	189	1,274	1,714	2,136	13.0	8.7	15.5
Type of Housing Unit										
Single-Family	2.6	74.7	72.7	342	1,919	5,960	5,770	6.4	3.0	7.0
Mobile Home	0.4	51.3	49.9	264	972	4,278	4,269	12.0	6.3	11.2
Multifamily (2 or more units)	0.5	46.8	45.5	245	822	6,599	6,389	8.4	4.5	18.0
Heated Floorspace (square feet)										
Fewer than 1,000	1.0	45.3	44.1	235	764	5,442	5,325	10.6	5.7	9.9
1,000 to 1,999	1.4	65.4	63.6	325	1,449	5,559	5,432	7.9	4.0	5.4
2,000 or More	0.9	98.7	96.0	408	3,009	6,817	6,510	4.7	2.0	11.5
Ownership of Unit										
Owned	2.5	75.8	73.7	348	1,835	6,000	5,806	6.7	3.2	6.2
Rented	0.9	48.7	47.4	248	1,224	5,516	5,399	7.0	3.7	13.4
Year of Construction										
1939 or Before	0.4	82.3	80.0	385	1,466	7,632	7,289	7.2	3.4	11.1
1940 to 1979	2.4	65.0	63.3	312	1,622	5,484	5,327	7.1	3.5	7.0
1980 or After ³	0.6	73.1	71.2	314	1,950	6,323	6,187	5.8	2.5	21.2
1993 Family Income										
Less than \$10,000	0.5	48.8	47.5	249	992	5,090	5,055	9.4	4.9	14.2
\$10,000 to \$19,999	0.9	59.4	57.8	299	1,411	5,643	5,489	7.3	3.8	11.4
\$20,000 to \$34,999	0.9	62.2	60.5	304	1,420	5,695	5,534	7.5	3.8	9.5
\$35,000 to \$49,999	0.5	73.7	71.7	351	2,056	5,886	5,769	5.9	2.9	7.0
\$50,000 or More	0.7	96.2	93.6	392	2,468	6,846	6,508	5.5	2.3	12.6
Below Poverty Line										
100 Percent	0.4	45.8	44.6	237	1,272	4,686	4,697	7.5	4.0	12.0
125 Percent	0.6	48.5	47.2	248	1,296	5,028	4,988	7.2	3.8	13.0
150 Percent	0.9	48.5	47.2	250	1,262	5,071	5,014	7.4	3.9	9.5
Age of Householder										
Under 35 Years	1.0	57.5	56.0	274	1,340	5,907	5,749	7.1	3.5	9.7
35 to 59 Years	1.5	76.6	74.5	346	1,962	6,179	5,963	6.1	2.9	8.2
60 Years and Over	0.9	66.3	64.5	326	1,530	5,328	5,208	7.9	4.0	6.7
Household Size										
1 Person	0.7	58.1	56.5	287	1,169	5,966	5,771	8.1	4.1	9.3
2 to 4 Persons	2.4	71.0	69.1	331	1,759	5,801	5,634	6.8	3.2	7.1
5 or More Persons	0.3	71.8	69.8	314	2,134	6,183	6,016	5.3	2.4	19.9

See footnotes at end of table.

Table 97. Natural Gas Consumption and Expenditures for Main Space Heating, per West Region 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 (kWh/HDD* 1000 square feet)	Expenditures (cents/HDD* 1000 square feet)	
Pacific Division	8.7	36.4	35.4	214	1,540	2,313	2,685	9.9	6.0	4.0
Climate Zone²										
Under 2,000 CDD and Over 5,500 HDD	0.2	119.9	116.6	500	1,940	8,010	8,887	7.5	3.2	18.4
Under 5,500 HDD	7.5	33.7	32.8	201	1,512	2,003	2,364	10.8	6.6	5.2
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	6.5	41.5	40.4	244	1,758	2,346	2,711	9.8	5.9	4.1
Mobile Home	Q	53.2	51.7	307	887	5,293	5,659	11.0	6.5	37.3
Multifamily (2 or more units)	2.0	18.6	18.0	108	877	1,970	2,365	10.4	6.2	9.6
Heated Floorspace (square feet)										
Fewer than 1,000	2.3	21.4	20.8	126	710	2,085	2,457	14.1	8.5	9.8
1,000 to 1,999	4.6	35.2	34.3	206	1,417	2,283	2,659	10.6	6.4	3.5
2,000 or More	1.8	58.2	56.7	342	2,889	2,673	3,035	7.3	4.4	9.5
Ownership of Unit										
Owned	5.2	44.1	42.9	259	1,873	2,465	2,828	9.3	5.6	4.7
Rented	3.4	24.8	24.1	144	1,033	2,081	2,467	11.2	6.7	6.5
Year of Construction										
1939 or Before	1.2	32.5	31.6	194	1,426	2,152	2,512	10.3	6.3	8.3
1940 to 1979	5.6	36.3	35.3	212	1,480	2,105	2,486	11.3	6.8	4.7
1980 or After ³	1.8	39.6	38.5	230	1,801	3,052	3,402	7.0	4.2	10.7
1993 Family Income										
Less than \$10,000	0.8	28.3	27.6	168	1,061	2,182	2,551	11.9	7.2	8.0
\$10,000 to \$19,999	1.6	32.0	31.1	188	1,092	2,188	2,570	13.0	7.9	8.9
\$20,000 to \$34,999	1.7	31.3	30.4	181	1,418	2,406	2,780	8.9	5.3	7.1
\$35,000 to \$49,999	1.8	35.0	34.0	206	1,606	2,330	2,692	9.1	5.5	7.7
\$50,000 or More	2.9	44.9	43.7	264	1,944	2,351	2,722	9.6	5.8	6.9
Below Poverty Line										
100 Percent	0.9	29.9	29.1	176	1,113	2,164	2,540	12.1	7.3	10.4
125 Percent	1.2	30.3	29.5	177	1,095	2,299	2,671	11.7	7.0	10.1
150 Percent	1.6	27.8	27.1	163	1,075	2,186	2,564	11.5	7.0	7.7
Age of Householder										
Under 35 Years	2.0	33.2	32.3	192	1,328	2,452	2,825	9.9	5.9	5.7
35 to 59 Years	4.6	34.8	33.8	204	1,634	2,302	2,665	9.0	5.4	5.6
60 Years and Over	2.1	43.2	42.0	255	1,542	2,203	2,591	12.4	7.5	5.9
Household Size										
1 Person	1.6	30.8	30.0	182	1,147	2,192	2,548	11.9	7.3	9.0
2 to 4 Persons	5.8	38.0	36.9	223	1,621	2,336	2,709	9.7	5.9	4.6
5 or More Persons	1.3	36.8	35.8	208	1,674	2,365	2,746	9.0	5.3	7.4

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 98. Electricity Consumption and Expenditures for All Air Conditioning and Central Air Conditioning, West Region 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:	1.3	1.4 ¹	1.5 ¹	1.4	0.9 ¹	0.9 ¹	0.9 ¹	0.6	0.8	0.8	0.8 ¹	0.8 ¹	

West Region

Total Region	7.1	30.9	0.91	5.1	5.5	1,597	162	1,811	1,624	1,587	0.54	5.5	7.4
Climate Zone³													
Under 2,000 CDD and													
Over 5,500 HDD	0.9	2.0	0.03	0.4	3.2	951	49	2,026	320	578	1.47	7.6	23.9
Under 5,500 HDD	4.2	15.1	0.46	2.9	4.6	1,360	143	1,900	1,139	1,112	0.63	6.6	11.3
2,000 CDD or More and													
Under 4,000 HDD	2.0	13.8	0.42	1.8	7.2	2,121	218	1,622	2,690	2,566	0.49	5.0	11.2
Type of Housing Unit													
Single-Family	4.6	21.3	0.64	3.4	5.7	1,674	171	2,209	1,416	1,401	0.53	5.5	8.7
Mobile Home	0.4	2.2	Q	0.2	7.9	2,307	223	1,033	2,152	2,065	1.04	10.0	30.5
Multifamily (2 or more units)	2.2	7.4	0.22	1.5	4.4	1,295	129	1,005	2,023	1,943	0.64	6.4	12.1
Heated Floorspace (square feet)													
Fewer than 1,000	2.0	6.0	0.18	1.1	4.1	1,207	122	779	2,132	2,034	0.73	7.3	13.7
1,000 to 1,999	3.6	15.2	0.45	2.6	5.3	1,540	157	1,643	1,505	1,487	0.62	6.4	9.4
2,000 or More	1.5	9.7	0.28	1.4	6.9	2,031	204	2,986	1,432	1,408	0.47	4.8	13.3
Ownership of Unit													
Owned	4.6	21.7	0.65	3.4	5.9	1,719	176	2,149	1,470	1,453	0.54	5.6	8.2
Rented	2.5	9.2	0.27	1.7	4.6	1,358	133	1,148	1,926	1,849	0.61	6.0	11.7
Year of Construction													
1939 or Before	0.4	1.6	0.05	0.2	6.3	1,848	195	1,875	1,603	1,564	0.61	6.5	32.9
1940 to 1979	4.2	15.8	0.47	2.6	5.1	1,498	154	1,808	1,594	1,574	0.52	5.3	8.2
1980 or After ⁴	2.5	13.5	0.39	2.3	5.8	1,689	168	1,808	1,660	1,603	0.56	5.6	12.1
1993 Family Income													
Less than \$10,000	0.8	2.8	0.08	0.5	4.7	1,378	133	1,120	1,924	1,839	0.64	6.2	21.6
\$10,000 to \$19,999	1.6	5.8	0.17	1.0	5.0	1,471	148	1,238	2,213	2,119	0.54	5.4	14.6
\$20,000 to \$34,999	1.5	5.5	0.15	1.0	4.8	1,410	135	1,822	1,523	1,528	0.51	4.9	12.7
\$35,000 to \$49,999	1.2	6.1	0.19	0.9	6.0	1,756	183	1,921	1,645	1,584	0.56	5.8	12.5
\$50,000 or More	2.0	10.7	0.33	1.7	6.0	1,766	183	2,303	1,221	1,221	0.63	6.5	11.0
Below Poverty Line													
100 Percent	0.8	3.1	0.09	0.5	5.1	1,484	145	1,205	1,873	1,803	0.66	6.4	14.8
125 Percent	1.2	4.0	0.11	0.7	4.5	1,333	129	1,280	1,711	1,648	0.61	5.9	12.6
150 Percent	1.6	6.2	0.18	1.1	5.2	1,516	147	1,267	1,963	1,879	0.61	5.9	12.3
Age of Householder													
Under 35 Years	1.8	8.1	0.23	1.5	5.2	1,516	148	1,412	1,902	1,813	0.56	5.5	9.2
35 to 59 Years	3.1	15.2	0.46	2.3	6.0	1,759	182	2,093	1,365	1,347	0.62	6.4	9.2
60 Years and Over	2.2	7.5	0.22	1.4	4.8	1,411	142	1,759	1,765	1,751	0.45	4.6	12.3

See footnotes at end of table.

Table 98. Electricity Consumption and Expenditures for All Air Conditioning and Central Air Conditioning, West Region 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:	1.3	1.4 ¹	1.5 ¹	1.4	0.9 ¹	0.9 ¹	0.9 ¹	0.6	0.8	0.8	0.8 ¹	0.8 ¹	

West Region

Household Size													
1 Person	1.6	4.8	0.14	0.9	4.4	1,304	130	1,238	2,102	2,053	0.50	5.0	14.1
2 to 4 Persons	4.8	22.1	0.65	3.7	5.5	1,608	163	1,935	1,511	1,475	0.55	5.6	7.7
5 or More Persons	0.8	4.0	0.12	0.5	6.9	2,017	206	1,933	1,582	1,559	0.66	6.7	15.8
Cooling Degree-Days (CDD)-1993													
2,000 or More	1.1	10.0	0.29	1.0	9.7	2,831	280	1,428	4,034	3,784	0.49	4.9	13.4
1,000 to 1,999	3.1	14.3	0.46	2.4	5.4	1,583	172	1,771	1,484	1,428	0.60	6.5	10.8
500 to 999	1.0	2.4	0.07	0.5	3.7	1,075	106	1,964	719	744	0.76	7.5	12.6
Fewer than 500	1.9	4.1	0.09	1.2	2.8	811	65	2,146	260	411	1.45	11.7	13.3
Average Electricity Expenditures (cents per kWh)													
Less than 6	1.0	3.1	0.04	0.5	4.8	1,396	68	2,336	Q	643	1.15	5.6	25.0
6 to Less than 9	1.0	4.3	0.09	0.7	5.3	1,557	115	1,863	1,341	1,324	0.62	4.6	20.8
9 or More	5.1	23.5	0.78	3.9	5.6	1,633	184	1,728	1,832	1,768	0.52	5.8	7.7
Number of Rooms Usually Air Conditioned													
1 to 3	2.1	3.8	0.11	0.6	3.3	972	93	830	1,905	1,850	0.62	5.9	14.2
4 to 6	3.5	15.4	0.45	2.9	4.9	1,424	143	1,549	1,666	1,614	0.55	5.5	8.8
7 or More	1.6	11.8	0.36	1.6	7.4	2,166	224	2,686	1,435	1,431	0.56	5.8	9.9
Frequency of Use of Air Conditioning⁵													
Only a Few Times	4.3	10.1	0.30	2.7	3.1	904	94	1,841	1,282	1,269	0.38	4.0	9.0
Quite a Bit	1.5	7.9	0.24	1.2	5.8	1,693	178	1,720	1,464	1,461	0.67	7.0	9.5
All Summer	1.3	12.9	0.37	1.2	10.2	2,993	291	1,837	2,518	2,394	0.65	6.3	11.5
Age of Air Conditioning Equipment⁵													
Less than 5 Years	1.8	7.8	0.23	1.2	5.7	1,659	164	1,797	1,661	1,612	0.56	5.5	10.0
5 to 9 Years	1.6	7.5	0.22	1.3	5.5	1,598	163	1,862	1,417	1,398	0.61	6.2	12.4
10 or More Years	2.6	10.9	0.33	1.8	5.5	1,605	165	2,095	1,510	1,488	0.51	5.2	11.1
Don't Know	1.1	4.5	0.13	0.8	5.1	1,496	152	1,198	1,985	1,918	0.63	6.4	13.0

See footnotes at end of table.

Table 98. Electricity Consumption and Expenditures for All Air Conditioning and Central Air Conditioning, West Region 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:	1.3	1.4 ¹	1.5 ¹	1.4	0.9 ¹	0.9 ¹	0.9 ¹	0.6	0.8	0.8	0.8 ¹	0.8 ¹	
Mountain Division	2.1	13.6	0.36	1.7	7.9	2,310	212	1,634	2,816	2,690	0.50	4.6	11.1
Climate Zone³													
Under 2,000 CDD and Over 5,500 HDD	0.7	1.4	0.03	0.4	2.9	855	50	2,100	356	650	1.14	6.7	24.0
Under 5,500 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
2,000 CDD or More and Under 4,000 HDD	1.2	10.7	0.31	1.2	9.0	2,625	261	1,456	3,657	3,412	0.49	4.9	10.2
Type of Housing Unit													
Single-Family	1.2	8.0	0.21	0.9	8.2	2,404	215	2,177	2,567	2,470	0.43	3.9	12.6
Mobile Home	0.3	2.0	Q	0.2	8.4	2,475	238	1,060	2,363	2,250	0.99	9.5	30.3
Multifamily (2 or more units)	0.6	3.6	0.10	0.5	7.0	2,057	194	857	3,496	3,309	0.69	6.5	14.0
Heated Floorspace (square feet)													
Fewer than 1,000	0.7	3.4	0.10	0.5	6.1	1,801	178	736	3,331	3,137	0.74	7.3	15.7
1,000 to 1,999	0.9	5.8	0.15	0.7	7.6	2,227	203	1,451	2,635	2,536	0.58	5.3	14.8
2,000 or More	0.5	4.5	0.12	0.4	10.4	3,049	268	3,002	2,529	2,436	0.40	3.5	18.2
Ownership of Unit													
Owned	1.4	9.2	0.24	1.1	8.2	2,408	220	1,982	2,515	2,426	0.48	4.4	13.0
Rented	0.7	4.4	0.12	0.6	7.3	2,132	197	997	3,368	3,175	0.64	5.9	16.7
Year of Construction													
1939 or Before	0.1	0.2	(*)	Q	Q	Q	Q	Q	Q	Q	Q	Q	31.3
1940 to 1979	1.3	7.3	0.20	1.0	7.2	2,096	194	1,574	2,754	2,690	0.48	4.5	10.2
1980 or After ⁴	0.7	6.2	0.16	0.6	9.4	2,755	249	1,700	2,991	2,772	0.54	4.9	16.0
1993 Family Income													
Less than \$10,000	0.2	Q	Q	Q	7.4	2,170	216	961	3,480	3,275	0.65	6.4	29.9
\$10,000 to \$19,999	0.6	3.6	0.10	0.5	7.1	2,069	199	1,127	3,285	3,077	0.56	5.4	18.5
\$20,000 to \$34,999	0.5	2.7	0.07	0.3	7.4	2,155	183	1,520	2,625	2,606	0.54	4.6	17.6
\$35,000 to \$49,999	0.3	2.6	0.07	0.3	9.2	2,698	248	2,170	2,854	2,708	0.44	4.0	18.5
\$50,000 or More	0.4	3.4	0.09	0.4	8.6	2,535	227	2,283	2,074	2,006	0.54	4.8	19.5
Below Poverty Line													
100 Percent	0.2	1.5	0.04	0.2	8.8	2,568	247	1,249	3,246	3,063	0.63	6.1	19.8
125 Percent	0.3	1.7	0.05	0.2	8.5	2,495	235	1,370	3,103	2,949	0.59	5.5	19.6
150 Percent	0.5	3.3	0.09	0.4	8.0	2,340	217	1,197	3,256	3,065	0.60	5.6	14.1
Age of Householder													
Under 35 Years	0.7	4.2	0.11	0.6	7.0	2,052	191	1,234	3,010	2,847	0.55	5.1	11.7
35 to 59 Years	0.7	5.3	0.13	0.5	9.9	2,892	254	1,981	2,447	2,328	0.60	5.2	13.7
60 Years and Over	0.7	4.1	0.11	0.6	7.0	2,050	196	1,732	2,950	2,856	0.40	3.8	16.5
Household Size													
1 Person	0.5	2.4	0.07	0.4	5.4	1,578	151	1,071	3,105	2,999	0.47	4.5	17.5
2 to 4 Persons	1.4	9.6	0.26	1.1	8.3	2,435	224	1,797	2,716	2,583	0.50	4.6	11.0
5 or More Persons	0.2	1.7	0.04	0.1	12.1	3,552	300	2,027	2,757	2,627	0.64	5.4	23.1

See footnotes at end of table.

Table 98. Electricity Consumption and Expenditures for All Air Conditioning and Central Air Conditioning, West Region 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:	1.3	1.4 ¹	1.5 ¹	1.4	0.9 ¹	0.9 ¹	0.9 ¹	0.6	0.8	0.8	0.8 ¹	0.8 ¹	
Pacific Division	5.1	17.2	0.55	3.5	4.3	1,259	138	1,895	1,059	1,063	0.63	6.9	8.9
Climate Zone³													
Under 2,000 CDD and Over 5,500 HDD	0.2	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	32.0
Under 5,500 HDD	4.0	13.6	0.44	2.7	4.3	1,263	140	1,896	1,105	1,086	0.60	6.7	10.4
2,000 CDD or More and Under 4,000 HDD	0.8	3.1	0.11	0.7	4.2	1,229	142	1,915	977	1,068	0.66	7.6	19.0
Type of Housing Unit													
Single-Family	3.4	13.3	0.43	2.5	4.8	1,399	154	2,221	984	999	0.64	7.1	10.7
Mobile Home	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Multifamily (2 or more units)	1.5	3.8	0.12	1.0	3.1	906	96	1,080	1,270	1,245	0.66	7.0	13.6
Heated Floorspace (square feet)													
Fewer than 1,000	1.3	2.6	0.08	0.6	2.5	747	78	813	1,201	1,179	0.76	7.9	16.3
1,000 to 1,999	2.7	9.4	0.30	1.9	4.3	1,274	140	1,718	1,069	1,082	0.69	7.6	10.1
2,000 or More	1.0	5.2	0.17	0.9	5.4	1,575	175	2,979	942	949	0.56	6.2	14.4
Ownership of Unit													
Owned	3.2	12.5	0.40	2.3	4.8	1,404	156	2,225	992	1,008	0.64	7.1	9.5
Rented	1.8	4.8	0.15	1.2	3.3	965	101	1,224	1,195	1,176	0.66	6.9	12.6
Year of Construction													
1939 or Before	0.4	1.4	Q	Q	Q	Q	Q	Q	Q	Q	0.79	8.4	36.8
1940 to 1979	2.9	8.5	0.28	1.7	4.0	1,162	131	1,940	945	948	0.63	7.1	12.7
1980 or After ⁴	1.8	7.3	0.23	1.6	4.3	1,269	136	1,851	1,134	1,142	0.60	6.5	15.1
1993 Family Income													
Less than \$10,000	0.6	1.5	0.04	0.3	3.4	991	93	1,197	1,163	1,137	0.71	6.7	20.8
\$10,000 to \$19,999	0.9	2.2	0.07	0.5	3.2	931	102	1,338	1,244	1,253	0.56	6.1	14.0
\$20,000 to \$34,999	1.0	2.8	0.09	0.7	3.5	1,032	111	1,976	964	981	0.54	5.8	17.9
\$35,000 to \$49,999	0.9	3.5	0.12	0.7	4.6	1,354	155	1,814	1,128	1,104	0.66	7.6	16.0
\$50,000 or More	1.6	7.4	0.24	1.3	5.3	1,539	170	2,309	969	988	0.69	7.6	10.7
Below Poverty Line													
100 Percent	0.6	1.6	0.05	0.4	3.4	998	100	1,186	1,257	1,238	0.67	6.7	18.5
125 Percent	0.9	2.3	0.07	0.6	3.3	955	95	1,251	1,258	1,224	0.61	6.0	14.8
150 Percent	1.1	3.0	0.09	0.7	3.5	1,038	107	1,307	1,214	1,192	0.65	6.7	14.3
Age of Householder													
Under 35 Years	1.1	3.9	0.12	0.9	4.0	1,161	120	1,531	1,168	1,127	0.65	6.7	12.9
35 to 59 Years	2.5	9.9	0.32	1.8	4.9	1,439	162	2,124	1,059	1,069	0.64	7.2	10.9
60 Years and Over	1.5	3.4	0.11	0.8	3.3	967	105	1,778	941	983	0.58	6.3	15.4

See footnotes at end of table.

Table 98. Electricity Consumption and Expenditures for All Air Conditioning and Central Air Conditioning, West Region 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:	1.3	1.4 ¹	1.5 ¹	1.4	0.9 ¹	0.9 ¹	0.9 ¹	0.6	0.8	0.8	0.8 ¹	0.8 ¹	

Household Size

1 Person	1.0	2.4	0.07	0.5	3.7	1,078	112	1,376	1,279	1,276	0.61	6.4	21.1
2 to 4 Persons	3.4	12.5	0.40	2.6	4.3	1,252	137	1,995	992	997	0.63	6.9	10.2
5 or More Persons	0.6	2.4	0.08	0.4	5.2	1,525	176	1,904	1,206	1,217	0.66	7.7	21.9

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.

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

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 99. Electricity Consumption and Expenditures for Room Air Conditioning, per West Region 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)	
RSE Column Factor:										
Total Region	2.0	1.4	417	41	749	928	974	0.60	5.9	9.9
Mountain Division	0.4	1.4	406	33	674	846	988	0.71	5.7	22.9
Pacific Division	1.6	1.4	420	43	769	951	971	0.57	5.9	11.2
Climate Zone²										
Under 2,000 CDD and Over 5,500 HDD	0.5	1.1	314	18	778	323	541	1.25	7.3	16.2
Under 5,500 HDD	1.3	1.4	407	42	759	953	945	0.56	5.8	13.0
2,000 CDD or More and Under 4,000 HDD	0.2	2.7	792	96	589	2,465	2,437	0.55	6.6	16.2
Type of Housing Unit										
Single-Family	1.2	1.4	416	39	752	843	888	0.66	6.2	13.3
Mobile Home	0.1	1.8	515	37	607	Q	679	1.64	11.8	25.6
Multifamily (2 or more units)	0.7	1.4	404	44	765	1,137	1,168	0.46	5.1	19.8
Heated Floorspace (square feet)										
Fewer than 1,000	0.9	1.5	439	46	533	1,227	1,249	0.67	7.0	13.0
1,000 to 1,999	1.0	1.4	407	39	919	705	759	0.63	6.0	13.1
2,000 or More	0.1	1.2	354	23	917	603	743	Q	4.2	23.0
Ownership of Unit										
Owned	1.2	1.4	423	39	843	804	879	0.62	5.8	12.9
Rented	0.8	1.4	409	43	610	1,110	1,115	0.60	6.4	13.4
Year of Construction										
1939 or Before	0.2	1.0	293	28	596	718	774	0.68	6.5	26.4
1940 to 1979	1.6	1.5	429	42	793	904	948	0.60	5.9	11.0
1980 or After ³	0.2	1.6	470	47	579	1,371	1,415	0.59	5.9	20.7
1993 Family Income										
Less than \$10,000	0.3	1.7	485	48	629	1,108	1,182	0.70	6.8	20.6
\$10,000 to \$19,999	0.5	1.1	335	31	711	983	1,007	0.48	4.4	14.0
\$20,000 to \$34,999	0.5	1.1	322	27	823	745	841	0.52	4.4	20.9
\$35,000 to \$49,999	0.3	1.8	530	58	728	1,052	1,054	0.69	7.6	22.2
\$50,000 or More	0.4	1.8	519	54	816	851	877	0.75	7.8	19.8
Below Poverty Line										
100 Percent	0.3	1.6	467	46	602	1,158	1,246	0.67	6.6	18.3
125 Percent	0.4	1.5	444	42	639	1,078	1,168	0.64	6.1	17.4
150 Percent	0.5	1.5	428	41	603	1,048	1,124	0.68	6.5	17.2
Age of Householder										
Under 35 Years	0.4	1.7	491	50	639	1,148	1,212	0.67	6.8	19.8
35 to 59 Years	0.8	1.6	469	46	679	875	916	0.79	7.7	13.1
60 Years and Over	0.8	1.1	330	31	870	884	927	0.43	4.1	17.9

See footnotes at end of table.

Table 99. Electricity Consumption and Expenditures for Room Air Conditioning, per West Region 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:	1.4	0.7 ¹	0.7 ¹	0.9 ¹	0.8	1.2	1.0	1.3 ¹	1.2 ¹	
Household Size										
1 Person	0.6	1.1	316	31	682	1,051	1,046	0.44	4.4	14.3
2 to 4 Persons	1.1	1.6	483	47	798	893	956	0.68	6.7	11.6
5 or More Persons	0.2	1.3	380	35	691	763	863	0.72	6.6	21.7
Cooling Degree-Days (CDD)-1993										
2,000 or More	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
1,000 to 1,999	0.7	1.8	527	57	656	1,459	1,436	0.55	6.0	11.2
500 to 999	0.5	1.3	385	39	652	711	719	0.83	8.5	14.6
Fewer than 500	0.7	1.0	280	18	931	207	373	1.45	9.6	14.6
Average Electricity Expenditures (cents per kWh)										
Less than 6	0.5	1.0	285	13	722	227	398	1.74	7.7	19.9
6 to Less than 9	0.3	1.4	396	30	821	717	824	0.67	5.2	21.2
9 or More	1.2	1.6	474	55	740	1,257	1,238	0.51	5.9	11.4
Number of Rooms Usually Air Conditioned										
1 Room	0.5	0.9	250	23	313	933	966	0.86	7.7	12.9
2 Rooms	0.6	1.3	375	35	559	921	968	0.73	6.9	15.8
3 or More	0.9	1.8	534	54	1,101	930	982	0.52	5.3	11.6
Frequency of Use of Air Conditioning										
Only a Few Times	1.6	1.1	337	32	773	836	884	0.52	4.9	11.0
Quite a Bit	0.3	2.6	767	80	676	1,410	1,442	0.80	8.4	18.6
All Summer	Q	2.5	739	78	551	1,067	1,125	Q	Q	36.9
Age of Air Conditioning Equipment										
Less than 5 Years	0.6	1.4	407	40	677	1,027	1,053	0.59	5.7	16.9
5 to 9 Years	0.3	1.5	441	38	584	997	1,081	0.76	Q	25.7
10 or More Years	0.8	1.5	440	45	954	783	831	0.59	6.0	14.8
Don't Know	0.3	1.2	352	36	495	1,060	1,105	0.67	6.8	19.1
Number of Room Air Conditioners										
1	1.8	1.3	388	38	737	876	929	0.60	5.8	10.8
2	0.2	1.9	566	58	791	1,457	1,440	0.49	5.1	28.5
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: • Data in the Mountain and Pacific Divisions are not presented separately due to a scarcity of data. • 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 100. Total Electricity and Natural Gas Consumption and Expenditures for Water Heating in West Region Households, 1993

Characteristics	Electricity				Natural Gas				RSE Row Factors
	House- holds (million)	Total Consumed		Total Expenditures (billion dollars)	House- holds (million)	Total Consumed		Total Expenditures (billion dollars)	
		(tril- lion Btu)	(billion kWh)			(tril- lion Btu)	(billion cubic feet)		
	RSE Column Factor:	1.1	1.2 ¹	1.2 ¹	1.1 ¹	0.8	0.9 ¹	0.9 ¹	

West Region

Total Region	6.5	57.4	16.8	1.07	13.3	297.6	290	1.72	5.5
Climate Zone²									
Under 2,000 CDD and Over 5,500 HDD	2.2	26.3	7.7	0.39	2.1	62.5	61	0.27	19.9
Under 5,500 HDD	3.0	24.3	7.1	0.48	9.2	196.3	191	1.20	11.4
2,000 CDD or More and Under 4,000 HDD	1.2	6.8	2.0	0.20	2.0	38.7	38	0.25	8.9
Type of Housing Unit									
Single-Family	3.7	37.7	11.1	0.65	9.5	217.7	212	1.24	8.1
Mobile Home	0.5	4.8	1.4	0.09	0.4	8.4	8	0.05	31.0
Multifamily (2 or more units)	2.4	14.9	4.4	0.34	3.4	71.6	70	0.43	12.6
Heated Floorspace (square feet)									
Fewer than 1,000	2.9	21.1	6.2	0.42	4.2	82.1	80	0.49	11.4
1,000 to 1,999	2.6	24.5	7.2	0.45	6.5	146.1	142	0.85	9.1
2,000 or More	1.0	11.8	3.5	0.20	2.7	69.5	68	0.38	15.5
Ownership of Unit									
Owned	3.7	34.8	10.2	0.63	7.8	181.3	176	1.03	7.9
Rented	2.8	22.6	6.6	0.44	5.5	116.4	113	0.69	9.1
Year of Construction									
1939 or Before	0.9	8.4	2.5	0.14	1.7	31.3	30	0.19	14.9
1940 to 1979	4.2	36.9	10.8	0.68	8.6	192.8	188	1.12	6.2
1980 or After ³	1.4	12.1	3.5	0.26	3.0	73.5	71	0.41	14.0
1993 Family Income									
Less than \$10,000	0.9	7.0	2.0	0.13	1.6	34.1	33	0.20	15.5
\$10,000 to \$19,999	1.6	12.6	3.7	0.24	3.0	62.2	61	0.37	12.8
\$20,000 to \$34,999	2.0	17.3	5.1	0.31	2.6	53.7	52	0.30	9.4
\$35,000 to \$49,999	1.0	8.8	2.6	0.17	2.4	53.5	52	0.31	12.4
\$50,000 or More	1.0	11.7	3.4	0.21	3.7	94.1	92	0.54	12.0
Below Poverty Line									
100 Percent	0.9	9.8	2.9	0.18	1.8	44.0	43	0.26	14.9
125 Percent	1.2	12.4	3.6	0.23	2.5	60.8	59	0.36	14.6
150 Percent	1.6	15.8	4.6	0.30	3.2	75.7	74	0.45	12.0
Age of Householder									
Under 35 Years	1.9	17.3	5.1	0.33	3.5	83.4	81	0.48	8.7
35 to 59 Years	2.6	27.3	8.0	0.50	6.7	158.1	154	0.91	6.4
60 Years and Over	2.1	12.8	3.8	0.24	3.2	56.1	55	0.33	11.7
Household Size									
1 Person	1.8	8.6	2.5	0.16	2.7	37.1	36	0.22	12.5
2 to 4 Persons	4.0	38.8	11.4	0.72	8.7	201.6	196	1.15	5.9
5 or More Persons	0.7	10.0	2.9	0.19	1.9	58.9	57	0.35	14.9

See footnotes at end of table.

Table 100. Total Electricity and Natural Gas Consumption and Expenditures for Water Heating in West Region Households, 1993 (Continued)

Characteristics	Electricity				Natural Gas				RSE Row Factors
	Households (million)	Total Consumed		Total Expenditures (billion dollars)	Households (million)	Total Consumed		Total Expenditures (billion dollars)	
		(trillion Btu)	(billion kWh)			(trillion Btu)	(billion cubic feet)		
RSE Column Factor:	1.1	1.2 ¹	1.2 ¹	1.1 ¹	0.8	0.9 ¹	0.9 ¹	0.9 ¹	
Mountain Division	1.9	18.1	5.3	0.36	3.2	81.3	79	0.41	12.4
Climate Zone²									
Under 2,000 CDD and Over 5,500 HDD	1.0	12.6	3.7	0.21	2.0	55.3	54	0.24	19.6
Under 5,500 HDD	Q	Q	Q	Q	Q	Q	Q	Q	NF
2,000 CDD or More and Under 4,000 HDD	0.9	4.9	1.4	0.14	1.0	18.4	18	0.12	9.7
Type of Housing Unit									
Single-Family	1.2	11.8	3.5	0.22	2.4	62.4	61	0.31	16.7
Mobile Home	0.3	3.0	0.9	0.06	0.3	5.3	5	0.03	31.4
Multifamily (2 or more units)	0.5	3.3	1.0	0.08	0.5	13.6	13	0.07	24.8
Heated Floorspace (square feet)									
Fewer than 1,000	0.7	5.9	1.7	0.12	1.0	20.0	19	0.11	27.3
1,000 to 1,999	0.8	6.8	2.0	0.14	1.4	37.7	37	0.20	12.4
2,000 or More	0.5	5.3	1.6	0.10	0.9	23.6	23	0.10	23.8
Ownership of Unit									
Owned	1.3	12.5	3.7	0.24	2.2	58.0	56	0.28	14.6
Rented	0.7	5.6	1.6	0.12	1.0	23.3	23	0.13	18.6
Year of Construction									
1939 or Before	0.3	2.4	0.7	0.04	0.3	7.2	7	0.04	28.8
1940 to 1979	1.0	10.1	3.0	0.19	2.3	57.9	56	0.30	13.4
1980 or After ³	0.7	5.6	1.6	0.13	0.6	16.1	16	0.07	25.3
1993 Family Income									
Less than \$10,000	0.3	2.0	0.6	0.04	0.5	11.3	11	0.06	20.2
\$10,000 to \$19,999	0.5	4.0	1.2	0.08	0.8	18.8	18	0.10	23.4
\$20,000 to \$34,999	0.6	6.3	1.8	0.11	0.8	19.5	19	0.10	22.0
\$35,000 to \$49,999	0.3	2.8	0.8	0.06	0.4	11.1	11	0.06	22.9
\$50,000 or More	0.3	3.1	0.9	0.06	0.7	20.6	20	0.09	25.9
Below Poverty Line									
100 Percent	0.3	3.1	0.9	0.06	0.4	10.3	10	0.06	18.3
125 Percent	0.4	3.9	1.1	0.08	0.6	15.7	15	0.08	24.5
150 Percent	0.5	5.1	1.5	0.11	0.9	22.9	22	0.12	19.0
Age of Householder									
Under 35 Years	0.7	6.3	1.8	0.13	0.9	24.3	24	0.12	16.5
35 to 59 Years	0.8	9.1	2.7	0.17	1.4	40.1	39	0.20	11.5
60 Years and Over	0.5	2.7	0.8	0.05	0.9	16.8	16	0.09	21.3
Household Size									
1 Person	0.4	2.0	0.6	0.04	0.7	10.2	10	0.06	22.9
2 to 4 Persons	1.3	11.8	3.4	0.24	2.2	61.7	60	0.31	13.6
5 or More Persons	0.3	4.3	1.3	0.08	0.3	9.3	9	0.04	25.8

See footnotes at end of table.

Table 100. Total Electricity and Natural Gas Consumption and Expenditures for Water Heating in West Region Households, 1993 (Continued)

Characteristics	Electricity				Natural Gas				RSE Row Factors
	Households (million)	Total Consumed		Total Expenditures (billion dollars)	Households (million)	Total Consumed		Total Expenditures (billion dollars)	
		(trillion Btu)	(billion kWh)			(trillion Btu)	(billion cubic feet)		
RSE Column Factor:	1.1	1.2 ¹	1.2 ¹	1.1 ¹	0.8	0.9 ¹	0.9 ¹	0.9 ¹	
Pacific Division	4.6	39.3	11.5	0.71	10.1	216.4	210	1.31	5.9
Climate Zone²									
Under 2,000 CDD and Over 5,500 HDD	Q	Q	Q	Q	0.2	7.3	7	0.03	51.9
Under 5,500 HDD	3.0	23.7	7.0	0.47	8.9	188.7	184	1.16	10.6
2,000 CDD or More and Under 4,000 HDD	0.4	1.9	0.6	0.06	1.0	20.3	20	0.13	16.2
Type of Housing Unit									
Single-Family	2.5	25.9	7.6	0.43	7.1	155.3	151	0.94	9.3
Mobile Home	0.2	1.8	0.5	Q	Q	Q	Q	Q	42.2
Multifamily (2 or more units)	1.9	11.6	3.4	0.25	2.9	58.0	56	0.36	14.1
Heated Floorspace (square feet)									
Fewer than 1,000	2.1	15.2	4.4	0.30	3.2	62.1	60	0.38	11.6
1,000 to 1,999	1.9	17.6	5.2	0.31	5.1	108.3	105	0.65	11.6
2,000 or More	0.5	6.5	1.9	0.10	1.8	46.0	45	0.28	21.0
Ownership of Unit									
Owned	2.4	22.2	6.5	0.39	5.6	123.3	120	0.74	8.8
Rented	2.1	17.1	5.0	0.32	4.6	93.1	91	0.57	10.4
Year of Construction									
1939 or Before	0.7	5.9	1.7	0.10	1.4	24.1	23	0.15	17.7
1940 to 1979	3.2	26.8	7.9	0.49	6.3	134.9	131	0.82	6.9
1980 or After ³	0.7	6.6	1.9	0.13	2.5	57.4	56	0.34	17.9
1993 Family Income									
Less than \$10,000	0.6	5.0	1.5	0.09	1.1	22.7	22	0.14	21.0
\$10,000 to \$19,999	1.1	8.6	2.5	0.16	2.1	43.5	42	0.27	15.0
\$20,000 to \$34,999	1.5	11.1	3.2	0.20	1.8	34.2	33	0.20	8.1
\$35,000 to \$49,999	0.7	6.0	1.8	0.12	2.0	42.4	41	0.25	14.2
\$50,000 or More	0.7	8.6	2.5	0.15	3.0	73.5	72	0.45	12.9
Below Poverty Line									
100 Percent	0.6	6.7	2.0	0.12	1.4	33.6	33	0.21	19.9
125 Percent	0.8	8.5	2.5	0.16	1.9	45.2	44	0.28	18.4
150 Percent	1.1	10.7	3.1	0.19	2.3	52.8	51	0.32	15.7
Age of Householder									
Under 35 Years	1.2	11.0	3.2	0.20	2.6	59.2	58	0.36	9.9
35 to 59 Years	1.8	18.2	5.3	0.33	5.3	117.9	115	0.71	7.8
60 Years and Over	1.6	10.2	3.0	0.18	2.3	39.3	38	0.24	14.0
Household Size									
1 Person	1.4	6.6	1.9	0.12	2.0	26.9	26	0.16	14.9
2 to 4 Persons	2.7	27.0	7.9	0.48	6.5	139.9	136	0.84	6.1
5 or More Persons	0.5	5.6	1.7	0.12	1.6	49.6	48	0.30	18.2

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, E, and F of the 1993 Residential Energy Consumption Survey.

Table 101. Total LPG Consumption and Expenditures for Water Heating in West Region Households, 1993

Characteristics	Liquefied Petroleum Gas				RSE Row Factors
	Households (million)	Total Consumed		Total Expenditures (billion dollars)	
		(trillion Btu)	(billion gallons)		
RSE Column Factor:	1.0	1.0 ¹	1.0 ¹	1.0 ¹	
Total Region	0.4	7.0	0.08	0.08	37.4
Mountain Division	Q	Q	Q	Q	NF
Pacific Division	0.2	2.7	0.03	0.04	42.6
Climate Zone²					
Under 2,000 CDD and Over 5,500 HDD	Q	Q	Q	Q	NF
Under 5,500 HDD	0.2	Q	Q	0.04	46.9
2,000 CDD or More and Under 4,000 HDD	Q	Q	Q	Q	NF
Type of Housing Unit					
Single-Family	0.2	3.4	0.04	0.04	35.3
Mobile Home	Q	Q	Q	Q	NF
Multifamily (2 or more units)	Q	Q	Q	Q	NF
Heated Floorspace (square feet)					
Fewer than 1,000	0.2	Q	Q	0.03	46.8
1,000 to 1,999	0.2	2.9	0.03	0.03	38.3
2,000 or More	0.1	Q	Q	0.02	43.9
Ownership of Unit					
Owned	0.3	4.6	0.05	0.05	37.7
Rented	0.1	2.5	0.03	0.03	46.7
Year of Construction					
1939 or Before	Q	Q	Q	Q	NF
1940 to 1979	Q	Q	Q	Q	NF
1980 or After ³	0.2	3.8	0.04	0.05	37.5
1993 Family Income					
Less than \$10,000	0.1	1.1	0.01	0.02	33.1
\$10,000 to \$19,999	0.1	1.9	0.02	0.02	45.5
\$20,000 to \$34,999	Q	Q	Q	Q	NF
\$35,000 to \$49,999	Q	Q	Q	Q	NF
\$50,000 or More	Q	Q	Q	Q	NF
Below Poverty Line					
100 Percent	0.1	1.3	0.01	0.02	32.1
125 Percent	0.1	1.4	0.02	0.02	33.6
150 Percent	0.2	2.2	0.02	0.03	33.6
Age of Householder					
Under 35 Years	0.1	Q	Q	Q	45.8
35 to 59 Years	0.1	3.0	0.03	0.04	43.2
60 Years and Over	0.2	2.6	0.03	0.03	45.5
Household Size					
1 Person	Q	Q	Q	Q	NF
2 to 4 Persons	0.3	6.5	0.07	0.08	37.2
5 or More Persons	Q	Q	Q	Q	NF

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: • Data in the Mountain and Pacific Divisions are not presented separately due to a scarcity of data. • 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 D of the 1993 Residential Energy Consumption Survey.

Table 102. Electricity and Natural Gas Consumption and Expenditures for Main Water Heating, per West Region 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:	2.2	1.1 ¹	1.1 ¹	0.9 ¹	0.9 ¹	1.5	0.7 ¹	0.7 ¹	0.7 ¹	0.8 ¹	

West Region

Total Region	6.4	8.9	2,618	166	1,047	13.3	22.2	21.6	128	7.7	3.2
Climate Zone²											
Under 2,000 CDD and											
Over 5,500 HDD	2.2	11.8	3,460	174	1,358	2.1	29.4	28.6	129	11.1	7.0
Under 5,500 HDD	3.0	8.1	2,366	159	982	9.1	21.3	20.7	129	7.1	5.5
2,000 CDD or More and											
Under 4,000 HDD	1.2	5.7	1,673	170	632	2.0	19.1	18.6	123	7.2	6.8
Type of Housing Unit											
Single-Family	3.6	10.5	3,082	180	1,157	9.5	22.8	22.2	130	7.4	3.8
Mobile Home	0.5	10.5	3,089	188	1,167	0.4	20.2	19.6	117	9.1	14.5
Multifamily (2 or more units)	2.4	6.3	1,832	141	822	3.4	20.9	20.3	125	8.5	7.0
Heated Floorspace (square feet)											
Fewer than 1,000	2.8	7.5	2,192	149	934	4.2	19.5	19.0	117	7.9	5.5
1,000 to 1,999	2.6	9.3	2,737	170	1,060	6.4	22.5	21.9	131	7.4	4.4
2,000 or More	1.0	12.0	3,515	203	1,290	2.7	25.7	25.0	141	8.1	7.5
Ownership of Unit											
Owned	3.6	9.6	2,826	173	1,105	7.8	23.1	22.5	131	7.9	4.4
Rented	2.8	8.0	2,353	157	969	5.5	21.0	20.4	125	7.4	5.8
Year of Construction											
1939 or Before	0.9	8.9	2,620	147	1,190	1.7	18.4	17.9	109	7.0	8.1
1940 to 1979	4.1	8.9	2,613	163	1,046	8.6	22.3	21.7	130	7.8	3.8
1980 or After ³	1.3	9.0	2,631	189	968	3.0	24.1	23.5	136	7.7	7.0
1993 Family Income											
Less than \$10,000	0.9	8.2	2,396	149	1,258	1.6	21.1	20.6	123	9.0	9.3
\$10,000 to \$19,999	1.6	8.0	2,330	154	904	3.0	20.8	20.2	124	7.6	7.1
\$20,000 to \$34,999	2.0	8.6	2,529	156	1,059	2.6	20.4	19.8	115	7.6	5.1
\$35,000 to \$49,999	1.0	9.1	2,670	181	970	2.4	21.9	21.3	127	7.4	6.2
\$50,000 or More	1.0	11.5	3,379	204	1,176	3.7	25.4	24.7	144	7.5	7.2
Below Poverty Line											
100 Percent	0.9	10.4	3,044	194	912	1.8	23.7	23.1	141	6.4	7.9
125 Percent	1.2	10.2	2,993	192	945	2.5	24.4	23.8	143	7.2	7.8
150 Percent	1.6	10.0	2,926	189	957	3.2	23.7	23.0	140	7.1	7.1
Age of Householder											
Under 35 Years	1.9	9.3	2,730	176	985	3.5	23.9	23.2	138	7.1	6.1
35 to 59 Years	2.5	10.7	3,136	197	1,076	6.6	23.6	22.9	135	7.6	3.6
60 Years and Over	2.0	6.3	1,860	118	1,075	3.2	17.6	17.2	103	8.8	5.9
Household Size											
1 Person	1.8	4.8	1,417	88	1,417	2.7	13.7	13.4	82	13.4	6.1
2 to 4 Persons	3.9	9.9	2,897	183	1,117	8.7	23.0	22.4	132	8.2	3.3
5 or More Persons	0.7	14.0	4,092	269	710	1.9	30.8	30.0	181	5.2	5.9

See footnotes at end of table.

Table 102. Electricity and Natural Gas Consumption and Expenditures for Main Water Heating, per West Region 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:	2.2	1.1 ¹	1.1 ¹	0.9 ¹	0.9 ¹	1.5	0.7 ¹	0.7 ¹	0.7 ¹	0.8 ¹	

West Region

Average Electricity Expenditures (cents per kWh)

Less than 6	3.3	11.0	3,218	152	1,321	--	--	--	--	--	3.4
6 to Less than 9	1.1	9.7	2,846	204	1,122	--	--	--	--	--	7.5
9 or More	2.0	5.2	1,521	168	589	--	--	--	--	--	5.0

Average Natural Gas Expenditures (dollars per 1000 cf)

Less than 4.50	--	--	--	--	--	1.5	31.9	31.1	124	11.0	4.8
4.50 to Less than 6	--	--	--	--	--	5.0	21.4	20.8	115	7.6	5.4
6 or More	--	--	--	--	--	6.8	20.7	20.1	139	7.0	4.9

Water Heater Used

For One Housing Unit	5.9	9.2	2,707	167	1,082	11.2	22.6	22.0	129	7.5	3.4
For Two or More Units	0.5	5.4	1,587	155	635	2.1	20.4	19.9	124	8.9	11.9

Age of Water Heater (for one housing unit)

Less than 5 Years	1.7	10.3	3,030	175	1,189	3.2	23.0	22.4	130	7.7	4.8
5 to 9 Years	1.0	9.6	2,824	174	1,037	3.2	22.2	21.6	128	7.4	6.0
10 to 19 Years	1.6	8.8	2,579	166	1,076	2.2	23.1	22.5	131	7.3	7.2
20 Years or More	0.6	8.4	2,457	147	1,042	1.0	20.8	20.3	121	8.3	12.4
Don't Know/No Separate Unit	1.1	8.2	2,398	159	982	1.6	22.7	22.1	132	7.2	9.0

Size of Water Heater (for one housing unit)

30 gallons or less	1.4	6.7	1,968	152	876	1.8	18.4	17.9	111	6.6	7.0
31 to 49 gallons	2.5	8.9	2,599	156	1,048	5.9	22.1	21.5	125	7.5	5.7
50 gallons or more	1.7	11.6	3,395	191	1,263	2.8	25.6	24.9	148	7.8	5.3
Don't Know/No Separate Unit	0.3	10.4	3,033	189	1,104	0.8	24.3	23.7	132	8.4	13.5

Clothes Washer

Yes	4.6	10.0	2,930	177	1,117	9.6	23.2	22.6	131	7.6	3.9
No	1.9	6.3	1,848	139	841	3.7	19.6	19.1	121	7.9	5.9

Dishwasher

Yes	3.5	9.0	2,648	169	1,101	6.7	23.8	23.1	134	7.9	4.9
No	2.9	8.8	2,581	163	986	6.6	20.7	20.1	123	7.4	4.5

Children Present in Household

No	4.3	7.3	2,127	131	1,257	7.9	18.6	18.1	108	9.8	3.5
Yes	2.2	12.2	3,584	236	876	5.3	27.7	26.9	159	6.3	4.5
(more than one may apply)											
Under 13 Years	1.8	12.2	3,582	235	846	4.4	28.0	27.3	161	6.2	5.0
13 to 18 Years	0.8	13.5	3,953	262	860	2.2	29.9	29.1	170	6.4	6.5

See footnotes at end of table.

Table 102. Electricity and Natural Gas Consumption and Expenditures for Main Water Heating, per West Region 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:	2.2	1.1 ¹	1.1 ¹	0.9 ¹	0.9 ¹	1.5	0.7 ¹	0.7 ¹	0.7 ¹	0.8 ¹	
Mountain Division	1.9	9.3	2,732	184	1,025	3.2	25.4	24.7	128	9.7	6.1
Climate Zone²											
Under 2,000 CDD and Over 5,500 HDD	1.0	12.3	3,604	203	1,251	1.9	28.2	27.5	125	10.9	6.3
Under 5,500 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
2,000 CDD or More and Under 4,000 HDD	0.9	5.7	1,680	163	696	1.0	18.6	18.1	126	7.0	7.1
Type of Housing Unit											
Single-Family	1.2	10.1	2,965	187	1,049	2.4	26.1	25.4	128	9.3	7.7
Mobile Home	0.3	11.1	3,259	213	1,028	0.3	19.7	19.2	114	9.9	17.2
Multifamily (2 or more units)	0.5	6.5	1,918	162	948	0.5	25.1	24.4	133	12.3	10.7
Heated Floorspace (square feet)											
Fewer than 1,000	0.7	8.3	2,429	167	1,045	1.0	20.6	20.1	116	10.3	10.4
1,000 to 1,999	0.8	8.9	2,603	181	976	1.4	27.6	26.9	143	9.4	8.1
2,000 or More	0.5	11.7	3,423	215	1,071	0.9	27.4	26.6	117	9.9	10.2
Ownership of Unit											
Owned	1.3	9.9	2,894	188	1,020	2.2	26.1	25.4	128	9.9	7.0
Rented	0.7	8.3	2,424	176	1,036	1.0	23.8	23.1	128	9.2	7.6
Year of Construction											
1939 or Before	0.3	9.4	2,751	162	1,088	0.3	24.2	23.6	120	10.0	12.7
1940 to 1979	1.0	9.9	2,896	185	1,073	2.3	24.7	24.0	127	9.6	7.7
1980 or After ³	0.7	8.4	2,469	191	927	0.6	29.1	28.3	135	10.0	8.6
1993 Family Income											
Less than \$10,000	0.3	7.3	2,151	155	1,110	0.5	24.5	23.8	132	11.2	14.3
\$10,000 to \$19,999	0.5	7.7	2,266	163	859	0.8	22.2	21.6	121	9.7	13.9
\$20,000 to \$34,999	0.6	11.1	3,259	202	1,180	0.8	23.7	23.0	123	8.7	8.4
\$35,000 to \$49,999	0.3	9.5	2,789	196	876	0.4	27.3	26.6	138	9.9	9.1
\$50,000 or More	0.3	10.2	2,999	199	1,121	0.7	31.3	30.4	135	10.1	9.8
Below Poverty Line											
100 Percent	0.3	9.9	2,910	205	915	0.4	25.4	24.7	138	7.8	12.5
125 Percent	0.4	10.6	3,107	209	969	0.6	26.7	26.0	141	9.1	14.6
150 Percent	0.5	9.7	2,846	199	900	0.9	26.4	25.7	142	9.1	12.1
Age of Householder											
Under 35 Years	0.7	9.2	2,682	187	1,033	0.9	27.1	26.3	138	8.8	7.8
35 to 59 Years	0.8	11.7	3,433	224	1,076	1.4	28.3	27.5	138	10.0	5.9
60 Years and Over	0.5	5.6	1,647	114	869	0.9	19.1	18.6	102	10.7	13.8
Household Size											
1 Person	0.4	5.1	1,504	105	1,504	0.7	14.6	14.2	81	14.2	11.6
2 to 4 Persons	1.3	9.2	2,692	188	1,050	2.2	27.6	26.8	138	10.1	5.6
5 or More Persons	0.3	16.1	4,725	281	845	0.3	35.8	34.8	170	6.2	9.2

See footnotes at end of table.

Table 102. Electricity and Natural Gas Consumption and Expenditures for Main Water Heating, per West Region 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:	2.2	1.1 ¹	1.1 ¹	0.9 ¹	0.9 ¹	1.5	0.7 ¹	0.7 ¹	0.7 ¹	0.8 ¹	
Pacific Division	4.5	8.8	2,568	158	1,057	10.1	21.2	20.7	129	7.1	3.8
Climate Zone²											
Under 2,000 CDD and Over 5,500 HDD	Q	11.4	3,337	149	1,475	0.2	42.0	40.8	170	13.1	15.6
Under 5,500 HDD	2.9	8.0	2,357	159	980	8.9	21.0	20.4	129	7.0	5.3
2,000 CDD or More and Under 4,000 HDD	0.3	5.6	1,654	189	508	1.0	19.6	19.1	121	7.4	7.8
Type of Housing Unit											
Single-Family	2.4	10.7	3,139	177	1,214	7.1	21.7	21.1	131	6.9	4.2
Mobile Home	0.2	9.7	2,840	152	1,507	Q	Q	Q	Q	8.0	18.6
Multifamily (2 or more units)	1.9	6.2	1,808	135	792	2.9	20.1	19.5	124	7.9	8.4
Heated Floorspace (square feet)											
Fewer than 1,000	2.1	7.2	2,111	143	897	3.2	19.2	18.7	117	7.3	6.0
1,000 to 1,999	1.8	9.5	2,792	166	1,096	5.1	21.2	20.6	127	6.9	4.9
2,000 or More	0.5	12.3	3,595	193	1,551	1.8	24.9	24.3	152	7.4	10.4
Ownership of Unit											
Owned	2.3	9.5	2,788	165	1,159	5.6	21.9	21.3	132	7.2	5.5
Rented	2.1	8.0	2,331	151	949	4.5	20.4	19.8	124	7.0	7.0
Year of Construction											
1939 or Before	0.7	8.8	2,569	142	1,237	1.4	17.2	16.8	107	6.4	9.6
1940 to 1979	3.1	8.6	2,520	155	1,036	6.2	21.4	20.8	130	7.2	4.2
1980 or After ³	0.7	9.5	2,787	187	1,006	2.5	23.0	22.4	136	7.2	10.0
1993 Family Income											
Less than \$10,000	0.6	8.6	2,509	147	1,328	1.1	19.8	19.3	120	8.2	11.1
\$10,000 to \$19,999	1.1	8.1	2,361	150	927	2.1	20.2	19.7	125	7.0	7.8
\$20,000 to \$34,999	1.4	7.7	2,245	137	1,001	1.8	18.9	18.4	112	7.1	5.8
\$35,000 to \$49,999	0.7	8.9	2,617	175	1,022	2.0	20.8	20.3	125	6.9	7.9
\$50,000 or More	0.7	12.1	3,541	207	1,198	3.0	24.1	23.5	147	7.0	8.8
Below Poverty Line											
100 Percent	0.6	10.6	3,112	189	910	1.4	23.2	22.6	141	6.1	9.9
125 Percent	0.8	10.0	2,943	184	935	1.9	23.7	23.1	144	6.7	8.9
150 Percent	1.1	10.1	2,967	184	987	2.3	22.6	22.0	139	6.5	8.1
Age of Householder											
Under 35 Years	1.2	9.4	2,758	169	959	2.6	22.8	22.2	138	6.6	8.0
35 to 59 Years	1.8	10.3	3,005	186	1,076	5.2	22.3	21.7	135	7.1	4.5
60 Years and Over	1.5	6.6	1,926	119	1,147	2.3	17.1	16.6	104	8.2	6.3
Household Size											
1 Person	1.4	4.8	1,393	83	1,393	2.0	13.4	13.1	82	13.1	7.2
2 to 4 Persons	2.6	10.2	2,997	181	1,149	6.5	21.4	20.9	129	7.6	4.0
5 or More Persons	0.4	12.7	3,709	261	632	1.6	30.0	29.2	183	5.0	7.3

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.

-- = 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 103. LPG Consumption and Expenditures for Main Water Heating, per West Region Households, 1993

Characteristics	Liquefied Petroleum Gas					RSE Row Factors
	Households (million)	Consumption		Expenditures (dollars)	LPG Water-Heating Intensity (gallons per household member)	
		(million Btu)	(gallons)			
	RSE Column Factor:	2.1	0.9 ¹	0.9 ¹	0.9 ¹	
Total Region	0.4	17.7	194	210	81	14.8
Mountain Division	Q	21.2	232	202	88	15.6
Pacific Division	0.2	14.0	153	218	71	23.2
Climate Zone²						
Under 2,000 CDD and Over 5,500 HDD	Q	Q	Q	Q	Q	NF
Under 5,500 HDD	0.2	14.7	161	197	72	20.2
2,000 CDD or More and Under 4,000 HDD	Q	20.7	227	253	80	48.5
Type of Housing Unit						
Single-Family	0.2	15.1	166	185	78	19.4
Mobile Home	Q	20.5	225	213	80	24.6
Multifamily (2 or more units)	Q	Q	Q	Q	Q	NF
Heated Floorspace (square feet)						
Fewer than 1,000	0.2	16.1	176	191	76	21.9
1,000 to 1,999	0.2	17.9	196	211	80	19.7
2,000 or More	0.1	20.6	225	248	94	24.3
Ownership of Unit						
Owned	0.3	15.8	173	186	72	15.1
Rented	0.1	22.7	249	272	104	19.8
Year of Construction						
1939 or Before	Q	Q	Q	Q	Q	NF
1940 to 1979	Q	18.1	198	209	82	31.9
1980 or After ³	0.2	18.6	204	240	78	16.9
1993 Family Income						
Less than \$10,000	0.1	10.8	119	148	65	27.4
\$10,000 to \$19,999	0.1	17.7	194	220	75	20.8
\$20,000 to \$34,999	Q	21.3	233	Q	94	41.2
\$35,000 to \$49,999	Q	Q	Q	Q	Q	NF
\$50,000 or More	Q	Q	Q	Q	Q	NF
Below Poverty Line						
100 Percent	0.1	12.2	134	173	64	22.5
125 Percent	0.1	11.9	130	166	64	23.4
150 Percent	0.2	13.3	145	180	67	20.8
Age of Householder						
Under 35 Years	0.1	20.5	224	257	71	21.6
35 to 59 Years	0.1	20.8	228	244	84	13.6
60 Years and Over	0.2	14.2	155	165	85	23.9
Household Size						
1 Person	Q	Q	Q	Q	Q	NF
2 to 4 Persons	0.3	18.7	205	223	83	13.6
5 or More Persons	Q	Q	Q	Q	Q	NF

See footnotes at end of table.

Table 103. LPG Consumption and Expenditures for Main Water Heating, per West Region Households, 1993 (Continued)

Characteristics	Liquefied Petroleum Gas					RSE Row Factors
	Households (million)	Consumption		Expenditures (dollars)	LPG Water-Heating Intensity (gallons per household member)	
		(million Btu)	(gallons)			
RSE Column Factor:	2.1	0.9 ¹	0.9 ¹	0.9 ¹	0.7 ¹	

Average LPG Expenditures (dollars per gallon)

Less than 0.75	Q	Q	Q	Q	Q	NF
0.75 to Less than 1.00	Q	19.6	215	192	73	20.2
1.00 or More	0.2	15.2	166	226	78	19.6

Water Heater Used

For One Housing Unit	0.4	17.1	187	198	78	15.3
For Two or More Units	Q	Q	Q	Q	Q	NF

Age of Water Heater (for one housing unit)

Less than 5 Years	0.1	16.1	177	186	71	14.6
5 to 9 Years	0.1	19.9	217	263	88	23.4
10 to 19 Years	Q	15.9	174	161	92	38.0
20 Years or More	Q	Q	Q	Q	Q	NF
Don't Know/No Separate Unit	Q	Q	Q	Q	Q	NF

Size of Water Heater (for one housing unit)

30 gallons or less	0.2	15.5	170	178	80	19.0
31 to 49 gallons	0.1	17.7	193	203	76	19.1
50 gallons or more	0.1	20.1	221	241	78	26.9
Don't Know/No Separate Unit	Q	Q	Q	Q	Q	NF

Clothes Washer Present in Household

Yes	0.3	17.9	196	205	80	16.3
No	0.1	16.8	184	228	86	32.1

Dishwasher Present in Household

Yes	0.1	23.3	255	279	99	12.3
No	0.3	15.2	166	178	72	17.6

Children Present in Household

No	0.3	16.5	181	194	93	17.6
Yes	0.1	21.0	230	253	63	15.4
(more than one may apply)						
Under 13 Years	0.1	20.1	220	257	61	18.6
13 to 18 Years	Q	Q	Q	Q	Q	NF

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: • Data in the Mountain and Pacific Divisions are not presented separately due to a scarcity of data. • 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 D of the 1993 Residential Energy Consumption Survey.

Table 104. Total Consumption and Expenditures for Appliances in West Region 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	0.7	0.9 ¹	0.9 ¹	0.9 ¹	2.3	2.6 ¹	2.6 ¹	2.5 ¹	

West Region

Total Region	20.4	305.5	89.5	7.78	8.6	58.4	57	0.36	0.4	2.5	0.03	0.04	8.3
Climate Zone²													
Under 2,000 CDD and													
Over 5,500 HDD	4.5	91.0	26.7	1.56	0.8	6.1	6	0.03	Q	Q	Q	Q	29.7
Under 5,500 HDD	12.5	168.6	49.4	4.78	6.0	40.4	39	0.26	0.2	1.0	0.01	0.02	13.7
2,000 CDD or More and													
Under 4,000 HDD	3.4	45.9	13.5	1.45	1.7	11.9	12	0.08	0.2	1.1	0.01	0.02	14.7
Type of Housing Unit													
Single-Family	13.5	244.2	71.6	6.18	6.3	44.9	44	0.28	0.2	1.4	0.02	0.02	9.8
Mobile Home	1.0	14.9	4.4	0.33	0.4	2.7	3	0.02	0.2	0.9	0.01	0.01	27.8
Multifamily (2 or more units) ..	5.8	46.4	13.6	1.27	1.8	10.8	11	0.07	Q	Q	Q	Q	17.1
Heated Floorspace (square feet)													
Fewer than 1,000	7.3	66.8	19.6	1.68	2.7	16.5	16	0.10	0.2	1.0	0.01	0.01	14.7
1,000 to 1,999	9.3	151.0	44.3	3.96	4.3	29.2	28	0.18	0.1	0.9	0.01	0.01	13.2
2,000 or More	3.8	87.7	25.7	2.14	1.6	12.7	12	0.08	Q	Q	Q	Q	20.5
Ownership of Unit													
Owned	11.9	218.1	63.9	5.47	5.2	37.9	37	0.23	0.3	2.0	0.02	0.03	10.3
Rented	8.5	87.4	25.6	2.31	3.4	20.4	20	0.13	Q	Q	Q	Q	10.0
Year of Construction													
1939 or Before	2.7	34.1	10.0	0.80	1.4	7.7	8	0.05	Q	Q	Q	Q	20.9
1940 to 1979	13.0	202.2	59.3	5.23	5.2	36.5	36	0.23	0.1	Q	Q	Q	11.5
1980 or After ³	4.6	69.3	20.3	1.75	2.0	14.1	14	0.08	0.2	1.3	0.01	0.02	15.9
1993 Family Income													
Less than \$10,000	2.6	25.5	7.5	0.61	1.0	6.5	6	0.04	0.1	0.4	(*)	0.01	20.4
\$10,000 to \$19,999	4.7	56.5	16.6	1.40	1.9	12.8	12	0.08	0.1	0.4	(*)	0.01	14.5
\$20,000 to \$34,999	4.7	68.8	20.2	1.60	1.6	9.5	9	0.06	Q	Q	Q	Q	13.3
\$35,000 to \$49,999	3.4	55.6	16.3	1.50	1.6	11.3	11	0.07	Q	Q	Q	Q	17.7
\$50,000 or More	4.9	99.3	29.1	2.67	2.4	18.3	18	0.11	Q	Q	Q	Q	14.7
Below Poverty Line													
100 Percent	2.9	35.6	10.4	0.89	1.3	10.1	10	0.06	0.1	0.5	(*)	0.01	18.7
125 Percent	3.8	46.1	13.5	1.14	1.6	12.6	12	0.08	0.1	0.5	0.01	0.01	18.8
150 Percent	5.0	60.3	17.7	1.49	2.2	15.8	15	0.10	0.2	0.8	0.01	0.01	13.9
Age of Householder													
Under 35 Years	5.5	70.1	20.5	1.73	2.0	13.8	13	0.08	0.1	0.5	0.01	0.01	10.2
35 to 59 Years	9.4	158.4	46.4	4.12	4.4	31.4	31	0.19	0.2	1.3	0.01	0.02	11.9
60 Years and Over	5.5	77.0	22.6	1.93	2.1	13.2	13	0.08	0.2	0.7	0.01	0.01	13.2
Household Size													
1 Person	4.6	39.8	11.7	0.95	1.5	6.2	6	0.04	Q	Q	Q	Q	18.4
2 to 4 Persons	13.1	213.9	62.7	5.42	5.8	39.0	38	0.24	0.3	2.0	0.02	0.03	9.9
5 or More Persons	2.6	51.9	15.2	1.41	1.3	13.2	13	0.08	Q	Q	Q	Q	21.8

See footnotes at end of table.

Table 104. Total Consumption and Expenditures for Appliances in West Region 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)	
		(trillion Btu)	(billion kWh)			(trillion Btu)	(billion cubic feet)			(trillion Btu)	(billion gallons)		
		0.4	0.5 ¹			0.5 ¹	0.7			0.9 ¹	0.9 ¹		
Mountain Division	5.4	91.7	26.9	1.97	1.6	10.4	10	0.06	0.2	1.3	0.01	0.02	15.4
Climate Zone²													
Under 2,000 CDD and Over 5,500 HDD	3.1	59.3	17.4	1.08	0.7	4.7	5	0.02	Q	Q	Q	Q	25.8
Under 5,500 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
2,000 CDD or More and Under 4,000 HDD	1.9	25.7	7.5	0.76	0.7	4.8	5	0.03	0.1	0.7	0.01	0.01	16.0
Type of Housing Unit													
Single-Family	3.6	72.4	21.2	1.54	1.2	7.9	8	0.04	Q	Q	Q	Q	18.4
Mobile Home	0.7	10.0	2.9	0.21	0.3	1.7	2	0.01	0.1	0.7	0.01	0.01	25.4
Multifamily (2 or more units) ..	1.1	9.3	2.7	0.22	0.1	0.8	1	(*)	Q	Q	Q	Q	46.7
Heated Floorspace (square feet)													
Fewer than 1,000	1.8	18.6	5.5	0.42	0.5	3.3	3	0.02	0.1	0.6	0.01	0.01	22.9
1,000 to 1,999	2.2	39.8	11.7	0.89	0.7	5.2	5	0.03	Q	Q	Q	Q	18.1
2,000 or More	1.4	33.3	9.8	0.67	0.3	1.9	2	0.01	Q	Q	Q	Q	41.5
Ownership of Unit													
Owned	3.6	70.8	20.8	1.50	1.1	7.7	7	0.04	0.2	1.0	0.01	0.01	16.7
Rented	1.7	20.9	6.1	0.47	0.4	2.7	3	0.02	Q	Q	Q	Q	25.2
Year of Construction													
1939 or Before	0.6	9.4	2.8	0.19	0.2	1.2	1	0.01	Q	Q	Q	Q	35.1
1940 to 1979	3.5	60.5	17.7	1.31	1.1	6.4	6	0.04	Q	Q	Q	Q	17.5
1980 or After ³	1.3	21.8	6.4	0.48	0.3	2.7	3	0.01	0.1	0.6	0.01	0.01	30.1
1993 Family Income													
Less than \$10,000	0.8	8.1	2.4	0.19	0.3	1.5	1	0.01	Q	Q	Q	Q	20.5
\$10,000 to \$19,999	1.4	19.5	5.7	0.43	0.4	2.9	3	0.02	Q	Q	Q	Q	24.0
\$20,000 to \$34,999	1.4	25.9	7.6	0.53	0.4	2.3	2	0.01	Q	Q	Q	Q	32.3
\$35,000 to \$49,999	0.7	14.7	4.3	0.33	0.2	1.5	1	0.01	Q	Q	Q	Q	28.3
\$50,000 or More	1.0	23.3	6.8	0.49	0.3	2.2	2	0.01	Q	Q	Q	Q	43.6
Below Poverty Line													
100 Percent	0.8	10.6	3.1	0.24	0.3	2.0	2	0.01	Q	Q	Q	Q	19.5
125 Percent	1.0	14.3	4.2	0.31	0.4	2.4	2	0.01	Q	Q	Q	Q	22.1
150 Percent	1.5	20.7	6.1	0.46	0.5	3.4	3	0.02	Q	Q	Q	Q	17.8
Age of Householder													
Under 35 Years	1.6	25.2	7.4	0.54	0.4	2.4	2	0.01	Q	Q	Q	Q	15.6
35 to 59 Years	2.3	44.8	13.1	0.94	0.8	5.4	5	0.03	Q	Q	Q	Q	17.5
60 Years and Over	1.4	21.7	6.4	0.49	0.4	2.6	2	0.02	Q	Q	Q	Q	23.4
Household Size													
1 Person	1.1	10.6	3.1	0.23	0.3	1.0	1	0.01	Q	Q	Q	Q	23.3
2 to 4 Persons	3.7	66.4	19.5	1.45	1.2	8.1	8	0.05	Q	Q	Q	0.01	15.9
5 or More Persons	0.5	14.7	4.3	0.29	0.1	1.3	1	0.01	Q	Q	Q	Q	46.5

See footnotes at end of table.

Table 104. Total Consumption and Expenditures for Appliances in West Region 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)	
		(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	0.7	0.9 ¹	0.9 ¹	0.9 ¹	2.3	2.6 ¹	2.6 ¹	2.5 ¹	
Pacific Division	15.0	213.9	62.7	5.81	7.0	48.0	47	0.30	0.2	1.2	0.01	0.02	9.4
Climate Zone²													
Under 2,000 CDD and Over 5,500 HDD	Q	31.8	9.3	Q	0.1	Q	Q	Q	Q	Q	Q	Q	83.1
Under 5,500 HDD	12.1	161.9	47.4	4.65	5.9	39.5	38	0.25	0.1	0.8	0.01	0.01	12.9
2,000 CDD or More and Under 4,000 HDD	1.5	20.3	5.9	0.68	1.0	7.1	7	0.04	Q	Q	Q	Q	22.8
Type of Housing Unit													
Single-Family	9.9	171.9	50.4	4.65	5.2	37.0	36	0.23	0.2	0.9	0.01	0.02	11.3
Mobile Home	0.4	4.9	1.4	0.11	Q	Q	Q	Q	Q	Q	Q	Q	67.0
Multifamily (2 or more units) ..	4.8	37.1	10.9	1.05	1.7	10.0	10	0.06	Q	Q	Q	Q	18.3
Heated Floorspace (square feet)													
Fewer than 1,000	5.5	48.2	14.1	1.26	2.2	13.2	13	0.08	Q	Q	Q	Q	18.1
1,000 to 1,999	7.1	111.2	32.6	3.07	3.6	24.0	23	0.15	Q	Q	Q	Q	15.3
2,000 or More	2.4	54.4	15.9	1.48	1.2	10.8	11	0.07	Q	Q	Q	Q	24.7
Ownership of Unit													
Owned	8.2	147.3	43.2	3.97	4.1	30.2	29	0.19	0.2	1.0	0.01	0.02	12.4
Rented	6.8	66.5	19.5	1.84	2.9	17.8	17	0.11	Q	Q	Q	Q	11.1
Year of Construction													
1939 or Before	2.1	24.7	7.2	0.62	1.2	6.5	6	0.04	Q	Q	Q	Q	25.0
1940 to 1979	9.6	141.7	41.5	3.92	4.1	30.1	29	0.19	Q	Q	Q	Q	12.7
1980 or After ³	3.3	47.5	13.9	1.27	1.6	11.4	11	0.07	0.1	Q	Q	Q	19.2
1993 Family Income													
Less than \$10,000	1.8	17.3	5.1	0.42	0.7	5.0	5	0.03	Q	Q	Q	Q	30.6
\$10,000 to \$19,999	3.3	36.9	10.8	0.97	1.5	9.9	10	0.06	Q	Q	Q	Q	14.8
\$20,000 to \$34,999	3.3	42.8	12.6	1.07	1.2	7.2	7	0.04	Q	Q	Q	Q	13.8
\$35,000 to \$49,999	2.7	40.8	12.0	1.18	1.4	9.9	10	0.06	Q	Q	Q	Q	20.7
\$50,000 or More	3.8	75.9	22.3	2.18	2.1	16.0	16	0.10	Q	Q	Q	Q	15.0
Below Poverty Line													
100 Percent	2.1	25.0	7.3	0.65	1.0	8.0	8	0.05	Q	Q	Q	Q	26.3
125 Percent	2.8	31.8	9.3	0.83	1.3	10.1	10	0.06	Q	Q	Q	Q	25.5
150 Percent	3.5	39.6	11.6	1.03	1.6	12.4	12	0.08	0.1	0.4	(*)	0.01	16.9
Age of Householder													
Under 35 Years	3.8	44.9	13.2	1.20	1.6	11.4	11	0.07	Q	Q	Q	Q	10.5
35 to 59 Years	7.1	113.6	33.3	3.18	3.6	26.0	25	0.16	Q	Q	Q	Q	12.8
60 Years and Over	4.1	55.3	16.2	1.44	1.7	10.6	10	0.07	Q	Q	Q	Q	15.8
Household Size													
1 Person	3.5	29.2	8.6	0.72	1.2	5.2	5	0.03	Q	Q	Q	Q	22.4
2 to 4 Persons	9.4	147.5	43.2	3.97	4.6	30.9	30	0.19	0.2	1.0	0.01	0.02	12.1
5 or More Persons	2.1	37.2	10.9	1.12	1.2	11.9	12	0.08	Q	Q	Q	Q	23.4

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.

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

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 105. Electricity Consumption and Expenditures for Appliances and Refrigerators, per West Region 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	1.0 ¹	1.5	0.4	0.9 ¹	0.9 ¹	1.1 ¹	

West Region

Total Region	20.4	15.0	4,399	382	20.3	1.2	4.2	1,240	116	2.7
Climate Zone²										
Under 2,000 CDD and										
Over 5,500 HDD	4.5	20.2	5,909	345	4.5	1.2	4.2	1,233	74	6.9
Under 5,500 HDD	12.5	13.5	3,966	384	12.4	1.1	3.9	1,157	116	3.7
2,000 CDD or More and										
Under 4,000 HDD	3.4	13.6	3,980	427	3.4	1.2	5.3	1,553	167	5.7
Type of Housing Unit										
Single-Family	13.5	18.1	5,303	458	13.5	1.2	4.8	1,414	132	2.7
Mobile Home	1.0	14.8	4,330	323	1.0	1.1	4.0	1,179	94	8.4
Multifamily (2 or more units)	5.8	7.9	2,325	217	5.8	1.0	2.9	849	81	4.6
Heated Floorspace (square feet)										
Fewer than 1,000	7.3	9.2	2,700	231	7.2	1.1	3.3	970	89	4.0
1,000 to 1,999	9.3	16.2	4,754	426	9.3	1.2	4.4	1,295	124	3.3
2,000 or More	3.8	23.1	6,775	565	3.8	1.4	5.5	1,619	145	6.1
Ownership of Unit										
Owned	11.9	18.4	5,393	461	11.9	1.3	5.0	1,458	135	3.1
Rented	8.5	10.3	3,014	272	8.5	1.0	3.2	935	88	4.2
Year of Construction										
1939 or Before	2.7	12.6	3,693	297	2.7	1.1	3.5	1,033	90	5.9
1940 to 1979	13.0	15.5	4,549	401	13.0	1.2	4.5	1,307	123	3.0
1980 or After ³	4.6	15.0	4,392	378	4.6	1.1	4.0	1,171	110	5.2
1993 Family Income										
Less than \$10,000	2.6	9.8	2,869	234	2.6	1.1	3.3	958	82	6.0
\$10,000 to \$19,999	4.7	12.0	3,507	296	4.7	1.1	3.7	1,091	100	4.9
\$20,000 to \$34,999	4.7	14.5	4,259	338	4.7	1.2	4.3	1,260	108	4.1
\$35,000 to \$49,999	3.4	16.1	4,733	437	3.4	1.1	4.1	1,212	119	6.0
\$50,000 or More	4.9	20.4	5,985	549	4.9	1.3	5.2	1,535	153	4.2
Below Poverty Line										
100 Percent	2.9	12.3	3,598	305	2.9	1.1	3.6	1,053	94	6.7
125 Percent	3.8	12.1	3,541	300	3.8	1.1	3.6	1,062	96	6.2
150 Percent	5.0	12.1	3,561	300	4.9	1.1	3.7	1,078	97	5.1
Age of Householder										
Under 35 Years	5.5	12.8	3,759	317	5.4	1.1	3.2	952	84	3.3
35 to 59 Years	9.4	16.8	4,936	438	9.4	1.2	4.5	1,316	126	3.6
60 Years and Over	5.5	14.0	4,118	352	5.5	1.2	4.8	1,395	129	3.7
Household Size										
1 Person	4.6	8.6	2,517	205	4.6	1.1	3.6	1,044	92	4.7
2 to 4 Persons	13.1	16.3	4,788	414	13.1	1.2	4.5	1,305	122	2.8
5 or More Persons	2.6	19.7	5,781	537	2.6	1.2	4.3	1,264	125	5.5

See footnotes at end of table.

Table 105. Electricity Consumption and Expenditures for Appliances and Refrigerators, per West Region 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	1.0 ¹	1.5	0.4	0.9 ¹	0.9 ¹	1.1 ¹	

West Region

Average Electricity Expenditures (cents per kWh)

Less than 6	4.7	21.3	6,257	304	--	--	--	--	--	4.0
6 to Less than 9	3.4	15.9	4,669	346	--	--	--	--	--	6.1
9 or More	12.3	12.3	3,618	422	--	--	--	--	--	2.9

Average Electric Refrigerator Expenditures (cents per kWh)

Less than 6	--	--	--	--	4.6	1.2	4.4	1,295	63	4.0
6 to Less than 9	--	--	--	--	3.5	1.1	3.9	1,146	85	6.2
9 or More	--	--	--	--	12.2	1.2	4.2	1,246	144	2.9

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

Separate Freezer	5.7	22.5	6,591	509	5.7	1.3	4.9	1,439	118	3.8
Dishwasher	10.5	18.0	5,279	460	10.5	1.2	4.6	1,354	126	3.1
Clothes Washer	14.7	18.1	5,315	455	14.7	1.2	4.7	1,385	128	2.5
Clothes Dryer	10.0	19.7	5,771	446	10.0	1.2	4.6	1,362	113	3.1
Waterbed Heater	2.3	21.7	6,375	501	2.3	1.2	4.3	1,246	105	6.0
Swimming-Pool Pump	1.1	29.5	8,640	869	1.1	1.3	5.8	1,701	177	8.6
Hot-Tub or Spa Pump	1.1	29.7	8,707	746	1.1	1.4	6.3	1,846	169	7.5
Hot-Tub or Spa Heater	0.7	29.0	8,507	669	0.7	1.3	5.4	1,595	136	8.5
Well Pump	1.4	25.6	7,504	508	1.4	1.3	5.4	1,590	117	9.1

Appliance Combination Usage

Dishwasher, Clothes Washer, and Clothes Dryer										
All	6.3	21.2	6,226	494	6.3	1.2	4.9	1,432	123	3.8
Some	10.1	14.4	4,218	389	10.1	1.2	4.3	1,272	123	3.0
None	3.9	6.6	1,928	185	3.9	1.0	2.9	847	83	3.9

Well Pump and Separate Freezer

All	0.8	30.4	8,900	533	0.8	1.4	5.8	1,711	105	10.4
Some	5.5	20.9	6,120	501	5.5	1.3	4.8	1,395	122	3.7
None	14.0	11.8	3,456	327	14.0	1.1	3.9	1,151	114	2.9

Main Heating Fuel

Natural Gas	12.1	15.2	4,458	432	12.0	1.2	4.3	1,272	129	3.2
Electricity	5.6	12.8	3,765	269	5.6	1.1	3.6	1,058	82	4.6
Fuel Oil or Kerosene	0.5	23.4	6,853	383	0.5	1.3	5.2	1,529	86	13.0
Wood	1.1	21.9	6,423	443	1.1	1.2	4.8	1,409	109	8.0
LPG	0.4	18.9	5,525	405	0.4	1.2	4.4	1,286	99	11.6
Other	0.1	14.3	4,188	263	0.1	1.0	3.2	938	59	18.4

Number of Refrigerators

1	17.2	13.7	4,008	349	17.2	1.0	3.5	1,013	94	1.9
2 or More	3.2	22.3	6,526	563	3.2	2.1	8.4	2,467	233	4.7

See footnotes at end of table.

Table 105. Electricity Consumption and Expenditures for Appliances and Refrigerators, per West Region 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	1.0 ¹	1.5	0.4	0.9 ¹	0.9 ¹	1.1 ¹	
Mountain Division	5.4	17.1	5,013	368	5.4	1.2	4.4	1,293	102	5.5
Climate Zone²										
Under 2,000 CDD and										
Over 5,500 HDD	3.1	19.4	5,676	354	3.1	1.2	3.9	1,151	73	8.1
Under 5,500 HDD	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
2,000 CDD or More and										
Under 4,000 HDD	1.9	13.4	3,919	397	1.9	1.1	5.1	1,509	152	4.9
Type of Housing Unit										
Single-Family	3.6	19.9	5,821	422	3.6	1.2	4.8	1,402	109	5.4
Mobile Home	0.7	15.3	4,479	328	0.7	1.1	4.0	1,183	93	7.9
Multifamily (2 or more units)	1.1	8.8	2,567	205	1.1	1.0	3.4	989	85	9.5
Heated Floorspace (square feet)										
Fewer than 1,000	1.8	10.4	3,052	234	1.8	1.0	3.5	1,027	85	6.9
1,000 to 1,999	2.2	18.0	5,279	402	2.2	1.1	4.6	1,343	111	6.3
2,000 or More	1.4	24.4	7,152	488	1.4	1.4	5.3	1,561	111	7.3
Ownership of Unit										
Owned	3.6	19.4	5,695	412	3.6	1.2	4.7	1,387	107	5.1
Rented	1.7	12.2	3,565	273	1.7	1.0	3.7	1,095	92	7.0
Year of Construction										
1939 or Before	0.6	15.5	4,534	305	0.6	1.2	3.9	1,154	85	12.4
1940 to 1979	3.5	17.4	5,113	376	3.5	1.2	4.6	1,348	107	5.8
1980 or After ³	1.3	17.0	4,970	374	1.3	1.1	4.1	1,211	98	8.0
1993 Family Income										
Less than \$10,000	0.8	10.6	3,106	244	0.8	1.1	3.4	993	85	7.2
\$10,000 to \$19,999	1.4	13.9	4,060	303	1.4	1.1	4.1	1,204	98	8.0
\$20,000 to \$34,999	1.4	18.0	5,266	370	1.4	1.2	5.0	1,454	109	7.5
\$35,000 to \$49,999	0.7	20.3	5,944	450	0.7	1.1	4.3	1,254	103	7.7
\$50,000 or More	1.0	23.1	6,761	489	1.0	1.2	4.9	1,444	112	8.7
Below Poverty Line										
100 Percent	0.8	14.1	4,124	315	0.8	1.1	4.1	1,209	101	8.0
125 Percent	1.0	14.4	4,211	312	1.0	1.1	4.2	1,219	98	9.4
150 Percent	1.5	14.1	4,137	312	1.5	1.1	4.1	1,189	97	7.3
Age of Householder										
Under 35 Years	1.6	15.3	4,489	327	1.6	1.1	3.7	1,081	87	4.5
35 to 59 Years	2.3	19.6	5,740	411	2.3	1.2	4.7	1,390	107	4.9
60 Years and Over	1.4	15.2	4,454	345	1.4	1.2	4.7	1,382	114	7.1
Household Size										
1 Person	1.1	9.6	2,809	206	1.1	1.1	3.9	1,135	92	7.6
2 to 4 Persons	3.7	17.9	5,239	391	3.7	1.2	4.4	1,292	103	5.1
5 or More Persons	0.5	27.3	7,998	539	0.5	1.3	5.6	1,631	119	11.4

See footnotes at end of table.

Table 105. Electricity Consumption and Expenditures for Appliances and Refrigerators, per West Region 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	1.0 ¹	1.5	0.4	0.9 ¹	0.9 ¹	1.1 ¹	
Pacific Division	15.0	14.3	4,180	387	15.0	1.2	4.2	1,221	120	3.1
Climate Zone²										
Under 2,000 CDD and										
Over 5,500 HDD	Q	21.8	6,399	326	Q	1.2	4.8	1,405	77	10.0
Under 5,500 HDD	12.1	13.4	3,927	385	12.1	1.1	3.9	1,151	117	3.7
2,000 CDD or More and										
Under 4,000 HDD	1.5	13.9	4,060	468	1.5	1.3	5.5	1,610	187	10.5
Type of Housing Unit										
Single-Family	9.9	17.4	5,111	471	9.9	1.2	4.8	1,418	140	3.0
Mobile Home	0.4	13.8	4,054	313	0.4	1.1	4.0	1,173	96	20.0
Multifamily (2 or more units)	4.8	7.7	2,271	220	4.8	1.0	2.8	817	80	5.2
Heated Floorspace (square feet)										
Fewer than 1,000	5.5	8.8	2,586	230	5.4	1.1	3.2	952	90	4.8
1,000 to 1,999	7.1	15.7	4,591	433	7.1	1.2	4.4	1,280	128	3.7
2,000 or More	2.4	22.4	6,564	608	2.4	1.4	5.6	1,652	164	8.6
Ownership of Unit										
Owned	8.2	17.9	5,258	483	8.2	1.3	5.1	1,490	148	3.8
Rented	6.8	9.8	2,875	271	6.8	1.1	3.1	895	87	5.0
Year of Construction										
1939 or Before	2.1	11.8	3,449	294	2.1	1.1	3.4	999	91	6.7
1940 to 1979	9.6	14.8	4,344	410	9.5	1.2	4.4	1,293	128	3.5
1980 or After ³	3.3	14.2	4,169	380	3.3	1.2	3.9	1,156	115	6.5
1993 Family Income										
Less than \$10,000	1.8	9.5	2,770	229	1.8	1.1	3.2	943	81	8.0
\$10,000 to \$19,999	3.3	11.2	3,271	293	3.3	1.1	3.6	1,043	101	6.0
\$20,000 to \$34,999	3.3	13.0	3,817	324	3.3	1.2	4.0	1,174	107	4.7
\$35,000 to \$49,999	2.7	15.0	4,408	434	2.7	1.1	4.1	1,200	124	7.5
\$50,000 or More	3.8	19.7	5,781	565	3.8	1.3	5.3	1,559	164	4.6
Below Poverty Line										
100 Percent	2.1	11.6	3,413	302	2.1	1.1	3.4	997	92	8.4
125 Percent	2.8	11.3	3,305	296	2.8	1.1	3.4	1,007	95	7.4
150 Percent	3.5	11.3	3,320	295	3.5	1.1	3.5	1,031	97	6.7
Age of Householder										
Under 35 Years	3.8	11.8	3,445	313	3.8	1.1	3.1	896	82	4.3
35 to 59 Years	7.1	16.0	4,678	446	7.1	1.2	4.4	1,293	132	4.5
60 Years and Over	4.1	13.6	3,999	355	4.1	1.2	4.8	1,400	135	4.3
Household Size										
1 Person	3.5	8.3	2,426	204	3.5	1.1	3.5	1,016	92	5.8
2 to 4 Persons	9.4	15.7	4,609	423	9.4	1.2	4.5	1,310	129	3.4
5 or More Persons	2.1	17.8	5,212	536	2.1	1.2	4.0	1,169	127	5.8

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 106. Natural Gas and LPG Consumption and Expenditures for Appliances, per West Region 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:	0.8	0.6 ¹	0.6 ¹	0.7 ¹	2.9	1.1 ¹	1.1 ¹	1.6 ¹	

West Region

Total Region	8.6	6.8	6.6	42	0.4	5.8	63	83	7.9
Climate Zone²									
Under 2,000 CDD and Over 5,500 HDD	0.8	7.5	7.3	32	Q	Q	Q	Q	18.4
Under 5,500 HDD	6.0	6.7	6.5	42	0.2	5.5	60	86	9.8
2,000 CDD or More and Under 4,000 HDD	1.7	6.9	6.7	45	0.2	6.6	72	101	11.9
Type of Housing Unit									
Single-Family	6.3	7.1	6.9	44	0.2	6.0	66	97	11.1
Mobile Home	0.4	6.0	5.8	37	0.2	5.4	59	61	12.6
Multifamily (2 or more units)	1.8	6.0	5.8	37	Q	Q	Q	Q	10.3
Heated Floorspace (square feet)									
Fewer than 1,000	2.7	6.0	5.9	38	0.2	4.8	53	68	11.4
1,000 to 1,999	4.3	6.8	6.6	42	0.1	6.5	71	91	14.7
2,000 or More	1.6	8.1	7.9	48	Q	Q	Q	Q	19.5
Ownership of Unit									
Owned	5.2	7.3	7.1	45	0.3	5.7	62	85	9.7
Rented	3.4	6.0	5.9	38	Q	Q	Q	Q	7.0
Year of Construction									
1939 or Before	1.4	5.6	5.4	34	Q	Q	Q	Q	16.5
1940 to 1979	5.2	7.0	6.8	44	0.1	5.8	64	89	13.2
1980 or After ³	2.0	7.1	6.9	42	0.2	6.5	71	93	9.1
1993 Family Income									
Less than \$10,000	1.0	6.3	6.1	40	0.1	4.0	43	60	21.1
\$10,000 to \$19,999	1.9	6.6	6.4	41	0.1	4.6	50	59	9.2
\$20,000 to \$34,999	1.6	6.1	6.0	37	Q	Q	Q	Q	13.5
\$35,000 to \$49,999	1.6	6.9	6.7	42	Q	Q	Q	Q	21.5
\$50,000 or More	2.4	7.6	7.4	47	Q	Q	Q	Q	14.1
Below Poverty Line									
100 Percent	1.3	7.6	7.4	47	0.1	4.1	45	63	12.2
125 Percent	1.6	7.6	7.4	48	0.1	4.1	45	63	13.9
150 Percent	2.2	7.2	7.0	45	0.2	4.5	49	71	11.3
Age of Householder									
Under 35 Years	2.0	6.8	6.6	42	0.1	5.5	60	73	8.1
35 to 59 Years	4.4	7.1	6.9	43	0.2	7.5	82	115	13.3
60 Years and Over	2.1	6.2	6.0	39	0.2	4.2	46	58	13.6
Household Size									
1 Person	1.5	4.2	4.1	27	Q	Q	Q	Q	23.1
2 to 4 Persons	5.8	6.8	6.6	41	0.3	6.0	66	79	8.5
5 or More Persons	1.3	10.0	9.7	62	Q	Q	Q	Q	13.5

See footnotes at end of table.

Table 106. Natural Gas and LPG Consumption and Expenditures for Appliances, per West Region Households, 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 Factor:	0.8	0.6 ¹	0.6 ¹	0.7 ¹	2.9	1.1 ¹	1.1 ¹	1.6 ¹	
Mountain Division	1.6	6.5	6.4	37	0.2	5.7	62	68	11.6
Climate Zone²									
Under 2,000 CDD and Over 5,500 HDD	0.7	6.5	6.3	29	Q	Q	Q	Q	11.4
Under 5,500 HDD	Q	Q	Q	Q	Q	Q	Q	Q	NF
2,000 CDD or More and Under 4,000 HDD	0.7	6.5	6.3	45	0.1	6.1	67	85	15.6
Type of Housing Unit									
Single-Family	1.2	6.8	6.6	38	Q	Q	Q	Q	18.9
Mobile Home	0.3	5.7	5.6	36	0.1	5.8	63	60	12.7
Multifamily (2 or more units)	0.1	6.1	5.9	34	Q	Q	Q	Q	26.9
Heated Floorspace (square feet)									
Fewer than 1,000	0.5	6.1	5.9	37	0.1	5.2	57	59	12.0
1,000 to 1,999	0.7	7.4	7.2	44	Q	Q	Q	Q	19.6
2,000 or More	0.3	5.5	5.3	25	Q	Q	Q	Q	39.3
Ownership of Unit									
Owned	1.1	6.8	6.6	38	0.2	5.5	61	69	13.9
Rented	0.4	6.0	5.8	37	Q	Q	Q	Q	13.3
Year of Construction									
1939 or Before	0.2	7.5	7.3	40	Q	Q	Q	Q	28.5
1940 to 1979	1.1	5.9	5.8	37	Q	Q	Q	Q	18.7
1980 or After ³	0.3	8.0	7.8	38	0.1	6.8	74	91	15.2
1993 Family Income									
Less than \$10,000	0.3	5.2	5.1	34	Q	Q	Q	Q	18.7
\$10,000 to \$19,999	0.4	6.5	6.4	39	Q	Q	Q	Q	17.3
\$20,000 to \$34,999	0.4	6.1	5.9	35	Q	Q	Q	Q	26.8
\$35,000 to \$49,999	0.2	7.2	7.0	35	Q	Q	Q	Q	25.4
\$50,000 or More	0.3	8.1	7.8	44	Q	Q	Q	Q	41.1
Below Poverty Line									
100 Percent	0.3	7.0	6.8	43	Q	Q	Q	Q	16.3
125 Percent	0.4	6.7	6.5	41	Q	Q	Q	Q	14.3
150 Percent	0.5	6.2	6.0	38	Q	5.5	60	78	17.5
Age of Householder									
Under 35 Years	0.4	6.0	5.9	35	Q	Q	Q	Q	10.5
35 to 59 Years	0.8	6.7	6.5	36	Q	6.4	70	86	19.6
60 Years and Over	0.4	6.7	6.5	42	Q	Q	Q	Q	33.5
Household Size									
1 Person	0.3	3.7	3.6	24	Q	Q	Q	Q	18.0
2 to 4 Persons	1.2	6.7	6.6	39	Q	5.5	60	56	10.9
5 or More Persons	0.1	10.8	10.5	55	Q	Q	Q	Q	20.1

See footnotes at end of table.

Table 106. Natural Gas and LPG Consumption and Expenditures for Appliances, per West Region Households, 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 Factor:	0.8	0.6 ¹	0.6 ¹	0.7 ¹	2.9	1.1 ¹	1.1 ¹	1.6 ¹	
Pacific Division	7.0	6.9	6.7	43	0.2	5.8	64	100	9.6
Climate Zone²									
Under 2,000 CDD and Over 5,500 HDD	0.1	14.9	14.5	58	Q	Q	Q	Q	55.6
Under 5,500 HDD	5.9	6.7	6.5	42	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	17.6
Type of Housing Unit									
Single-Family	5.2	7.2	7.0	45	0.2	6.3	68	110	12.8
Mobile Home	Q	6.5	6.4	38	Q	Q	Q	Q	65.9
Multifamily (2 or more units)	1.7	6.0	5.8	37	Q	Q	Q	Q	11.0
Heated Floorspace (square feet)									
Fewer than 1,000	2.2	6.0	5.8	38	Q	Q	Q	Q	12.1
1,000 to 1,999	3.6	6.7	6.5	42	Q	Q	Q	Q	16.4
2,000 or More	1.2	8.9	8.6	55	Q	Q	Q	Q	22.3
Ownership of Unit									
Owned	4.1	7.5	7.3	47	0.2	5.8	64	102	12.0
Rented	2.9	6.1	5.9	38	Q	Q	Q	Q	7.8
Year of Construction									
1939 or Before	1.2	5.3	5.2	33	Q	Q	Q	Q	18.3
1940 to 1979	4.1	7.3	7.1	46	Q	Q	Q	Q	13.5
1980 or After ³	1.6	6.9	6.8	42	0.1	6.3	69	94	11.9
1993 Family Income									
Less than \$10,000	0.7	6.7	6.5	42	Q	Q	Q	Q	29.0
\$10,000 to \$19,999	1.5	6.6	6.4	42	Q	Q	Q	Q	8.1
\$20,000 to \$34,999	1.2	6.2	6.0	38	Q	Q	Q	Q	15.8
\$35,000 to \$49,999	1.4	6.8	6.6	43	Q	Q	Q	Q	24.1
\$50,000 or More	2.1	7.5	7.3	47	Q	Q	Q	Q	15.1
Below Poverty Line									
100 Percent	1.0	7.8	7.6	48	Q	Q	Q	Q	8.4
125 Percent	1.3	7.9	7.7	49	Q	Q	Q	Q	11.9
150 Percent	1.6	7.5	7.3	47	0.1	3.7	41	65	14.3
Age of Householder									
Under 35 Years	1.6	7.0	6.8	43	Q	Q	Q	Q	9.1
35 to 59 Years	3.6	7.2	7.0	45	Q	Q	Q	Q	12.9
60 Years and Over	1.7	6.1	5.9	39	Q	Q	Q	Q	13.3
Household Size									
1 Person	1.2	4.3	4.2	27	Q	Q	Q	Q	27.4
2 to 4 Persons	4.6	6.8	6.6	42	0.2	6.6	72	105	9.4
5 or More Persons	1.2	9.9	9.6	63	Q	Q	Q	Q	14.8

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.