

Table 1. Consumption and Expenditures in U.S. Households that Use LPG, 1997

Characteristics	Total Households (million)	Residential Buildings		Average LPG							
		Total Number (million)	Total Floor-space (1) (billion sq. ft.)	Consumption				Expenditures			
				per Building (million Btu)	per Square Foot (thousand Btu)	per Household (million Btu)	per Household Member (million Btu)	per Building (dollars)	per Square Foot (dollars)	per Household (dollars)	per Household Member (dollars)
Total U.S. Households	8.1	8.0	13.9	45	26	44.6	17	508	0.29	500	192
Census Region and Division											
Northeast	1.6	1.5	2.8	19	10	18.7	8	290	0.15	281	118
New England	0.6	0.6	1.1	18	9	16.7	7	263	0.14	250	99
Middle Atlantic	1.0	0.9	1.8	20	11	19.9	9	307	0.16	301	131
Midwest	2.3	2.3	4.7	74	37	73.7	29	733	0.36	726	283
East North Central	1.2	1.1	2.4	85	39	83.5	31	873	0.41	857	315
West North Central	1.2	1.2	2.2	64	34	64.0	27	596	0.31	596	247
South	3.2	3.2	5.0	36	23	36.0	14	449	0.29	445	167
South Atlantic	1.6	1.6	2.8	33	19	32.0	12	441	0.25	432	166
East South Central	1.1	1.1	1.6	39	27	38.7	14	453	0.31	453	169
West South Central	0.5	0.5	0.7	43.0	34.0	43.3	15.0	466.0	0.4	466.0	167.0
West	1.0	1.0	1.4	46	32	44.8	16	506	0.35	497	174
Mountain	0.4	0.4	0.6	63	42	62.7	20	614	0.41	614	192
Pacific	0.6	0.6	0.8	35	25	33.7	13	437	0.31	424	160
Four Most Populated States											
California	0.4	0.4	0.6	39	30	39.1	14	490	0.38	490	175
Florida	0.4	0.4	0.5	11	7	10.5	4	201	0.14	201	69
New York	0.6	0.5	1.1	17	9	16.8	7	280	0.14	271	110
Texas	0.3	0.3	0.4	49.0	38.0	49.1	17.0	489.0	0.4	489.0	174.0
Metropolitan Statistical Area											
Urban	3.2	3.1	5.7	36	20	35.4	13	441	0.24	430	164
Central City	0.8	0.7	1.3	29	16	27.4	11	365	0.2	347	141
Suburban	2.4	2.4	4.3	39	21	38	14	465	0.26	456	170
Rural	4.9	4.8	8.2	51	30	50.6	19	551	0.32	547	211
Urban/Rural Location (2)											
City	0.9	0.8	1.4	29	17	25.9	10	362	0.21	327	126
Town	1.4	1.4	2.2	50	32	49.2	21	530	0.35	526	224
Suburbs	0.6	0.6	1.2	25	12	24.3	9	336	0.17	330	123
Rural or Open Country	5.1	5.1	9.1	49	28	48.9	18	544	0.31	543	203
Climate Zone (3)											
Fewer than 2,000 CDD and--											
More than 7,000 HDD	1.4	1.4	2.8	39	19	37.4	14	409	0.20	394	152
5,500 to 7,000 HDD	1.9	1.9	3.7	61	32	60.8	25	645	0.34	643	260
4,000 to 5,499 HDD	1.6	1.6	3.1	49	25	48.3	19	555	0.29	549	214
Fewer than 4,000 HDD	1.7	1.7	2.5	42	29	41.9	16	508	0.34	500	191
2,000 CDD or More and--											
Fewer than 4,000 HDD	1.4	1.3	1.8	28	21	27.7	10	354	0.27	350	123

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				per Building (million Btu)	per Square Foot (thousand Btu)	per Household (million Btu)	per Household Member (million Btu)	per Building (dollars)	per Square Foot (dollars)	per Household (dollars)	per Household Member (dollars)	
Type and Ownership of Housing Unit												
Single-Family Detached	6.1	6.1	11.8	47	24	46.5	18	518	0.27	518	200	
Owned	5.4	5.4	10.6	46	23	45.6	18	506	0.25	506	199	
Rented	0.7	0.7	1.2	53	32	53.1	18	606	0.36	606	206	
Single-Family Attached	0.1	0.1	0.2	71	45	71.0	26	808	0.51	808	295	
Owned	Q	Q	Q	109	40	109.0	36	1,123	0.41	1,123	367	
Rented	Q	Q	Q	48	55	48.4	19	621	0.70	621	244	
Multifamily												
2 to 4 Units	Q	Q	Q	115	49	42.5	23	1,307	0.55	482	260	
Owned	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	
Rented	Q	Q	Q	115	49	42.5	23	1,307	0.55	482	260	
5 or More Units	Q	Q	Q	201	16	20.7	8	2,641	0.22	272	100	
Owned	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	
Rented	Q	Q	Q	201	16	20.7	8	2,641	0.22	272	100	
Mobile Homes	1.7	1.7	1.6	37	38	36.6	14	423	0.44	423	158	
Owned	1.3	1.3	1.3	36	35	35.7	13	412	0.41	412	152	
Rented	0.4	0.4	0.3	40	51	39.7	16	463	0.59	463	181	
Estimated Heated Floorspace												
(Square Feet) (4)												
Fewer than 600	0.4	0.4	0.3	31	40	30.1	13	363	0.46	350	154	
600 to 999	1.7	1.6	1.9	40	35	38.3	17	456	0.39	433	191	
1,000 to 1,599	2.5	2.5	4.2	37	22	36.6	14	419	0.25	416	161	
1,600 to 1,999	1.2	1.2	2.6	64	31	63.6	22	679	0.33	679	238	
2,000 to 2,399	0.7	0.7	1.5	44	20	44.2	16	532	0.24	532	192	
2,400 to 2,999	0.4	0.4	1.1	65	27	64.7	22	709	0.30	709	237	
3,000 or More	0.4	0.4	1.3	60	18	59.9	17	658	0.20	658	192	
No Estimate Provided	0.7	0.7	1.1	43	26	42.9	18	497	0.30	497	203	
Total Number of Rooms												
1 or 2	Q	Q	Q	10	23	10.2	5	159	0.36	159	71	
3	0.2	0.2	0.2	54	59	46.7	25	619	0.68	537	292	
4	1.6	1.6	1.6	42	40	40.2	20	459	0.44	441	223	
5	1.8	1.8	2.5	42	30	41.8	16	469	0.33	465	179	
6	1.8	1.8	3.3	44	24	43.4	16	490	0.27	487	179	
7	1.3	1.3	2.8	46	22	46.4	16	516	0.24	516	174	
8	0.6	0.6	1.4	49	19	48.5	16	570	0.23	570	193	
9 or More	0.6	0.6	2.0	66	20	65.9	21	753	0.22	753	235	
Ownership of Unit												
Owned	6.7	6.7	12.1	44	25	44.1	17	492	0.27	492	190	
Rented	1.3	1.2	1.7	51	36	46.7	17	594	0.42	542	199	
Year of Construction												
1939 or Before	1.9	1.8	3.7	59	30	57.6	23	634	0.32	617	241	
1940 to 1949	0.6	0.6	0.9	41	28	40.5	20	457	0.31	451	221	
1950 to 1959	0.7	0.7	1.2	32	19	31.0	14	395	0.24	377	174	
1960 to 1969	1.1	1.1	1.7	41	27	40.9	17	461	0.30	457	188	
1970 to 1979	1.7	1.7	2.5	39	26	38.6	15	443	0.30	443	173	
1980 to 1989	1.2	1.1	2.1	44	25	43.6	14	513	0.28	506	159	
1990 to 1997 (5)	0.9	0.9	1.9	48	23	48.3	16	546	0.26	546	181	
All Utilities Paid by Household												
Yes	7.8	7.8	13.7	45	26	45.0	17	508	0.29	504	192	
No	0.3	0.2	0.2	41	43	32.3	15	488	0.51	382	173	

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1997 Household Income											
Less than \$5,000	0.3	0.3	0.3	34	32	33.9	18	395	0.37	395	207
\$5,000 to \$9,999	0.8	0.7	0.8	38	33	37.2	20	432	0.38	419	230
\$10,000 to \$14,999	0.7	0.7	0.8	38	31	36.3	16	427	0.35	411	177
\$15,000 to \$19,999	1.0	1.0	1.4	49	33	49.3	20	548	0.37	548	220
\$20,000 to \$24,999	0.8	0.7	1.2	45	29	44.7	18	506	0.32	500	200
\$25,000 to \$34,999	1.4	1.3	2.4	44	25	43.6	16	468	0.26	459	165
\$35,000 to \$49,999	1.3	1.3	2.5	54	28	53.8	19	586	0.30	579	203
\$50,000 to \$74,999	1.3	1.3	2.6	37	18	36.6	13	451	0.22	443	156
\$75,000 or More	0.6	0.6	1.7	59	21	59.1	19	716	0.26	716	231
Below Poverty Line											
100 Percent	1.2	1.1	1.3	39	35	38.2	15	441	0.39	433	168
125 Percent	1.6	1.5	2.0	42	33	40.8	15	477	0.38	465	170
150 Percent	2.2	2.2	2.8	41	31	39.9	14	467	0.36	457	165
Eligible for Federal Assistance (6)											
	2.8	2.7	3.8	43	31	42.2	16	490	0.36	482	177
Age of Householder											
Under 25 Years	0.3	0.2	0.3	42	28	35.8	12	476	0.31	406	140
25 to 34 Years	1.1	1.1	1.8	46	28	45.1	13	523	0.32	516	149
35 to 44 Years	2.0	2.0	3.5	51	28	49.9	15	570	0.32	563	167
45 to 59 Years	2.2	2.2	4.1	39	21	38.7	16	457	0.25	452	189
60 Years and Over	2.5	2.5	4.1	46	28	46.2	26	499	0.30	497	281
Race of Householder											
White	7.2	7.1	12.7	47	26	45.9	18	516	0.29	510	197
Black	0.6	0.5	0.7	33	25	31.7	12	447	0.33	425	166
Other (7)	0.3	0.3	0.4	36	30	36.0	12	418	0.35	418	140
Householder of Hispanic Descent											
Yes	0.5	0.5	0.6	27	20	26.6	8	340	0.25	340	99
No	7.6	7.5	13.2	46	26	45.7	18	519	0.29	510	200
Household Size											
1 Person	1.8	1.8	2.3	41	31	40.5	41	449	0.34	445	445
2 Persons	3.0	2.9	5.4	44	24	42.8	21	485	0.26	477	238
3 Persons	1.2	1.2	2.2	43	24	41.7	14	517	0.28	497	166
4 Persons	1.2	1.2	2.3	47	25	47.3	12	515	0.28	515	129
5 Persons	0.6	0.6	1.0	54	30	54.4	11	622	0.34	622	124
6 or More Persons	0.3	0.3	0.7	68	31	68.5	11	794	0.36	794	123
Number of Stories											
Single-Family Homes	6.2	6.2	12.0	47	24	47.0	18	524	0.27	524	202
1 Story	3.5	3.5	5.7	44	27	43.5	18	482	0.30	482	198
2 Stories	2.4	2.4	5.7	53	22	52.8	19	593	0.25	593	214
3 Stories	Q	Q	Q	51	17	50.5	15	505	0.17	505	146
Split-Level	0.1	0.1	0.3	40	17	39.7	13	490	0.21	490	162
Other	Q	Q	Q	4	5	3.9	2	99	0.12	99	49
Mobile Homes	1.7	1.7	1.6	37	38	36.6	14	423	0.44	423	158

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Number of Floors in Apartment Buildings												
1 or 2 Floors	Q	Q	Q	116	47	40.6	22	1,324	0.53	465	249	
3 or 4 Floors	Q	Q	Q	153	16	20.3	7	2,033	0.22	269	99	
5 to 10 Floors	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	
11 to 20 Floors	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	
More 20 Floors	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	
Don't Know/No Answer	Q	Q	Q	1,426	15	22.6	8	17,892	0.19	284	95	
Number of Units in Apartment Buildings												
2 to 4 Units	Q	Q	Q	115	49	42.5	23	1,307	0.55	482	260	
5 to 10 Units	Q	Q	Q	113	14	18.2	7	1,599	0.19	258	93	
21 to 50 Units	Q	Q	Q	625	42	26.0	13	7,200	0.48	300	150	
51 Units or More	Q	Q	Q	1,426	15	22.6	8	17,892	0.19	284	95	
No Answer	Q	Q	Q	Q (8)	Q	Q	Q	Q (8)	Q	Q	Q	
Not Applicable	7.9	7.9	13.7	45	26	44.8	17	502	0.29	502	192	

(1) In previous RECS, square footage measurements were obtained during the personal interview. In the 1997 RECS, square footage was estimated using a regression equation developed with the 1993 RECS data. The 1997 RECS estimated square footage tends to be larger than the 1993 measured square footage.

(2) Based on the household respondent's description rather than the Federal Government definition.

(3) One of five climatically distinct areas, determined according to the 30-year average (1961-1990) of the annual heating and cooling degree-days. For this report, the heating or cooling degree-days are a measure of how cold or how hot a location is over a period of one year, relative to a base temperature of 65 degrees Fahrenheit. A household is assigned to a climate zone according to the 30-year average annual degree-days for an appropriate nearby weather station.

(4) Estimates provided by the household interview respondents, who were asked which category best described the total heated floorspace in the home.

(5) New construction for 1997 includes only those housing units built and occupied between January and the April-August period when the household interviews were conducted.

(6) Below 150 percent of poverty line or 60 percent of median State income.

(7) Includes 5.5 million householders who described themselves as Hispanic rather than White, Black, or other.

(8) For these buildings we assumed 16 units, the median value of the reported cases.

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

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

Notes: • Because of rounding, data may not sum to totals.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-457 A, B, C of the 1997 Residential Energy Consumption Survey.