

Table 1. Consumption and Expenditures in U.S. Households Natural Gas, 1997

Characteristics	Total Households (million)	Residential Buildings		Average Natural Gas							
		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	61.9	51.3	106.1	103	50	85.3	32	698	0.34	579	218
Census Region and Division											
Northeast	11.8	8.3	19.9	123	52	86.9	35	1,097	0.46	772	310
New England	1.9	1.4	3.3	123	50	87.0	32	1,158	0.48	819	301
Middle Atlantic	9.9	6.9	16.6	124	52	86.9	36	1,085	0.45	763	312
Midwest	18.5	15.9	36.3	139	61	118.6	45	817	0.36	699	263
East North Central	13.7	11.5	26.4	145	64	122.7	46	846	0.37	715	265
West North Central	4.9	4.3	9.9	121	53	107.2	42	741	0.32	654	254
South	16.4	14.9	26.9	76	42	68.5	26	549	0.30	496	190
South Atlantic	6.4	5.6	11.2	77	38	66.3	26	663	0.33	572	227
East South Central	2.7	2.4	4.4	78	43	69.3	29	538	0.29	475	201
West South Central	7.3	6.9	11.3	74	45	70.1	25	462	0.28	437	158
West	15.1	12.3	22.9	76	40	61.5	22	454	0.24	369	130
Mountain	4.4	3.9	7.3	91	48	79.4	29	469	0.25	412	151
Pacific	10.7	8.4	15.6	69	37	54.1	19	447	0.24	351	122
Four Most Populated States											
California	9.7	7.4	13.6	63	35	48.6	17	426	0.23	327	115
Florida	1.2	1.0	2.0	31	15	27.2	12	412	0.20	358	153
New York	5.1	2.8	8.1	139	48	75.9	32	1,343	0.46	731	306
Texas	4.7	4.4	7.5	73	43	67.8	23	431	0.25	400	134
Metropolitan Statistical Area											
Urban	53.0	43.0	91.0	104	49	84.5	31	711	0.34	577	215
Central City	26.8	20.3	41.1	109	54	82.5	32	742	0.37	562	215
Suburban	26.2	22.7	49.9	100	45	86.6	31	683	0.31	593	214
Rural	8.9	8.3	15.1	97	53	90.0	36	632	0.35	587	237
Urban/Rural Location (2)											
City	35.4	27.6	54.5	104	53	81.4	31	702	0.35	547	209
Town	10.5	9.2	18.6	103	51	89.8	34	691	0.34	605	228
Suburbs	12.2	10.9	25.3	103	44	91.6	33	718	0.31	641	231
Rural or Open Country	3.8	3.7	7.6	93	45	89.1	35	629	0.30	600	233
Climate Zone (3)											
Fewer than 2,000 CDD and--											
More than 7,000 HDD	5.1	4.6	10.3	122	55	109.7	42	716	0.32	643	244
5,500 to 7,000 HDD	20.0	16.6	38.4	136	59	113.3	42	879	0.38	729	272
4,000 to 5,499 HDD	12.7	9.2	21.0	116	51	84.1	34	901	0.40	654	266
Fewer than 4,000 HDD	12.7	10.4	18.9	69	38	57.1	21	479	0.26	395	143
2,000 CDD or More and--											
Fewer than 4,000 HDD	11.5	10.5	17.6	64	38	58.2	21	444	0.26	406	149

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Type and Ownership of Housing Unit											
Single-Family Detached	40.3	40.3	83.0	97	47	96.5	34	639	0.31	639	224
Owned	34.9	34.9	75.6	98	45	98.2	35	651	0.30	651	232
Rented	5.4	5.4	7.4	85	62	85.5	27	557	0.41	557	179
Single-Family Attached	6.7	6.7	9.9	85	57	85.3	35	634	0.43	634	262
Owned	3.5	3.5	6.4	93	52	93.5	43	705	0.39	705	327
Rented	3.1	3.1	3.5	76	68	76.1	28	556	0.50	556	205
Multifamily											
2 to 4 Units	3.8	1.4	3.9	243	87	87.8	37	1,700	0.61	616	256
Owned	0.8	0.3	1.1	359	91	131.7	52	2,423	0.61	889	353
Rented	3.0	1.1	2.7	212	85	76.4	32	1,509	0.61	544	230
5 or More Units	8.8	0.6	7.2	524	45	36.8	17	3,994	0.34	281	130
Owned	0.6	(*)	0.6	664	37	36.0	23	4,789	0.27	260	164
Rented	8.2	0.6	6.6	516	46	36.9	17	3,948	0.35	282	128
Mobile Homes	2.3	2.3	2.1	70	78	69.8	30	438	0.49	438	189
Owned	2.0	2.0	1.8	72	79	71.6	31	445	0.49	445	192
Rented	0.3	0.3	0.2	57	70	56.9	24	384	0.47	384	164
Estimated Heated Floorspace											
(Square Feet) (4)											
Fewer than 600	4.8	2.1	3.7	121	70	53.9	27	881	0.51	391	194
600 to 999	12.6	8.1	13.6	107	64	69.0	31	748	0.45	482	215
1,000 to 1,599	17.9	16.4	29.0	92	52	84.3	31	625	0.35	574	213
1,600 to 1,999	9.4	9.2	19.3	100	48	97.6	33	658	0.31	639	215
2,000 to 2,399	5.1	5.0	12.3	99	40	97.7	34	646	0.26	639	224
2,400 to 2,999	3.5	3.5	10.2	110	38	109.1	35	742	0.25	735	235
3,000 or More	2.9	2.8	9.9	131	38	129.5	38	840	0.24	827	244
No Estimate Provided	5.8	4.2	8.1	115	59	82.4	31	814	0.42	584	223
Total Number of Rooms											
1 or 2	1.9	0.5	0.9	127	63	31.6	19	915	0.46	228	138
3	5.3	1.8	3.9	124	58	42.5	23	955	0.45	327	178
4	10.4	6.6	10.5	102	64	64.8	29	714	0.45	454	203
5	12.3	11.1	17.5	91	58	82.3	31	616	0.39	554	210
6	12.4	11.9	21.8	96	52	91.8	32	648	0.35	623	220
7	9.0	8.9	19.4	100	46	99.2	34	687	0.32	678	235
8	5.8	5.7	15.9	116	42	114.9	36	740	0.27	736	234
9 or More	4.8	4.8	16.2	129	38	128.0	37	843	0.25	840	245
Ownership of Unit											
Owned	41.9	40.8	85.6	99	47	96.3	36	662	0.32	644	238
Rented	20.0	10.5	20.5	119	61	62.4	24	840	0.43	441	173
Year of Construction											
1939 or Before	13.8	10.9	23.6	134	62	105.6	40	924	0.43	729	279
1940 to 1949	7.1	5.8	10.1	103	59	83.6	34	707	0.40	576	234
1950 to 1959	9.2	8.2	14.1	93	54	83.6	31	644	0.38	577	213
1960 to 1969	9.6	7.5	15.4	97	47	76.1	30	647	0.32	508	201
1970 to 1979	9.5	7.2	15.3	103	48	78.5	30	657	0.31	501	190
1980 to 1989	7.5	6.8	14.9	82	37	74.2	26	561	0.26	508	181
1990 to 1997 (5)	5.2	4.8	12.6	89	34	82.1	28	606	0.23	557	188
All Utilities Paid by Household											
Yes	52.1	48.1	97.3	99	49	91.5	33	667	0.33	616	224
No	9.8	3.2	8.7	162	59	52.6	24	1,171	0.43	380	176

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1997 Household Income											
Less than \$5,000	2.4	1.5	2.6	121	69	75.1	32	820	0.47	508	214
\$5,000 to \$9,999	5.6	3.6	6.2	97	57	62.7	30	698	0.41	452	216
\$10,000 to \$14,999	6.4	4.6	7.7	100	60	72.9	30	682	0.41	495	206
\$15,000 to \$19,999	6.0	5.1	8.5	90	54	76.2	31	602	0.36	509	206
\$20,000 to \$24,999	4.6	3.8	6.4	102	59	82.5	35	691	0.40	562	240
\$25,000 to \$34,999	9.2	7.4	14.7	104	52	84.2	32	713	0.36	578	219
\$35,000 to \$49,999	9.8	8.5	18.0	103	49	89.4	32	688	0.33	599	217
\$50,000 to \$74,999	10.1	9.2	21.4	108	46	98.3	33	721	0.31	659	224
\$75,000 or More	7.9	7.5	20.5	107	39	102.9	32	722	0.26	692	218
Below Poverty Line											
100 Percent	9.1	6.1	10.6	104	60	69.4	23	714	0.41	476	155
125 Percent	11.9	8.1	14.0	104	60	70.4	24	715	0.41	486	166
150 Percent	15.9	11.3	19.2	102	60	72.3	25	701	0.41	498	173
Eligible for Federal Assistance (6)											
	20.4	14.8	25.9	103	59	75.0	27	712	0.41	516	188
Age of Householder											
Under 25 Years	3.2	1.8	3.1	110	63	62.1	24	754	0.44	427	167
25 to 34 Years	11.2	8.1	15.9	105	53	75.6	25	706	0.36	509	168
35 to 44 Years	14.4	12.6	27.6	103	47	90.4	27	701	0.32	614	182
45 to 59 Years	15.7	14.0	30.6	103	47	92.4	35	695	0.32	622	233
60 Years and Over	17.5	14.8	28.8	100	52	85.2	47	687	0.35	583	318
Race of Householder											
White	45.6	39.9	83.8	101	48	88.3	35	674	0.32	590	233
Black	8.6	6.7	12.5	124	66	95.8	35	869	0.46	672	248
Other (7)	7.7	4.7	9.7	92	45	56.2	17	665	0.32	406	121
Householder of Hispanic Descent											
Yes	6.8	4.5	8.2	83	46	55.1	17	601	0.33	401	120
No	55.1	46.7	97.8	105	50	89.1	35	708	0.34	601	234
Household Size											
1 Person	14.7	10.2	18.3	99	55	69.1	69	692	0.39	484	484
2 Persons	19.8	17.1	35.5	97	47	84.1	42	660	0.32	570	285
3 Persons	10.9	9.3	19.6	106	50	90.2	30	717	0.34	612	204
4 Persons	9.6	8.4	18.6	111	50	97.2	24	745	0.34	655	164
5 Persons	4.2	3.8	8.9	109	47	97.9	20	706	0.30	634	127
6 or More Persons	2.7	2.4	5.3	113	51	100.6	15	747	0.34	665	100
Number of Stories											
Single-Family Homes	47.0	47.0	92.9	95	48	94.9	34	638	0.32	638	229
1 Story	25.1	25.1	41.2	81	49	81.0	31	531	0.32	531	201
2 Stories	17.8	17.8	42.0	110	46	109.6	37	753	0.32	753	254
3 Stories	2.3	2.3	6.4	123	45	122.8	41	875	0.32	875	293
Split-Level	1.7	1.7	3.3	110	55	109.6	38	695	0.35	695	244
Other	Q	Q	Q	114	76	114.3	51	763	0.50	763	340
Mobile Homes	2.3	2.3	2.1	70	78	69.8	30	438	0.49	438	189

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Number of Floors in Apartment Buildings											
1 or 2 Floors	5.9	1.3	5.2	268	66	58.3	25	1,826	0.45	397	173
3 or 4 Floors	3.5	0.4	3.0	429	61	51.9	23	3,210	0.46	388	175
5 to 10 Floors	1.5	0.1	1.3	673	31	26.3	11	7,208	0.33	282	122
11 to 20 Floors	0.5	(*)	0.3	2,749	28	19.0	13	20,716	0.21	144	99
More than 20 Floors	Q	Q	Q	248	29	22.0	10	1,781	0.21	158	74
Don't Know/No Answer	1.1	0.2	1.1	357	73	76.0	35	2,614	0.53	556	257
Number of Units in Apartment Buildings											
2 to 4 Units	3.8	1.4	3.9	243	87	87.8	37	1,700	0.61	616	256
5 to 10 Units	2.4	0.4	2.2	340	54	49.1	21	2,550	0.40	368	160
11 to 20 Units	2.1	0.1	1.7	478	42	33.1	16	3,637	0.32	252	118
21 to 50 Units	1.7	(*)	1.3	1,042	40	30.1	13	7,655	0.29	221	98
51 Units or More	1.7	(*)	1.3	2,501	32	24.1	14	21,559	0.27	208	117
No Answer	0.8	0.1	0.7	792 (8)	58	49.5	21	5,830 (8)	0.43	364	157
Not Applicable	49.3	49.3	95.0	94	49	93.8	34	629	0.33	629	227

(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 4.2 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.