

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

Characteristics	Total Households (million)	Residential Buildings		Average Electricity							
		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	101.4	83.2	168.8	42	21	35.0	13	1,061	0.52	871	337
Census Region and Division											
Northeast	19.7	15.1	34.6	32	14	25.0	10	1,130	0.49	863	345
New England	5.3	4.2	9.3	31	14	24.0	9	1,081	0.49	854	336
Middle Atlantic	14.4	10.9	25.3	33	14	25.0	10	1,149	0.49	867	349
Midwest	24.1	20.4	46.1	37	16	31.0	12	892	0.39	757	291
East North Central	16.9	14.0	31.8	36	16	29.0	11	910	0.40	753	286
West North Central	7.2	6.4	14.3	39	17	35.0	14	854	0.38	766	302
South	35.9	30.6	56.1	55	30	46.0	18	1,218	0.66	1,038	406
South Atlantic	18.7	15.6	30.5	53	27	45.0	18	1,264	0.65	1,056	420
East South Central	6.3	5.7	9.8	56	33	51.0	21	1,045	0.61	944	381
West South Central	10.8	9.2	15.8	55	32	47.0	18	1,247	0.73	1,063	398
West	21.8	17.2	32.0	37	20	29.0	11	923	0.50	727	270
Mountain	6.2	5.3	9.8	38	20	32.0	12	847	0.45	722	270
Pacific	15.6	11.9	22.2	37	20	28.0	10	956	0.51	730	269
Four Most Populated States											
California	11.5	8.7	15.8	28	15	21.0	7	939	0.52	709	255
Florida	5.9	4.9	9.3	59	31	48.0	19	1,430	0.75	1,180	465
New York	6.8	4.3	11.2	32	12	20.0	8	1,346	0.52	846	346
Texas	7.0	5.7	10.4	59	32	48.0	17	1,319	0.73	1,081	382
Metropolitan Statistical Area											
Urban	78.6	62	131.4	42	20	33.2	13	1,090	0.51	860	329
Central City	36.8	26.7	54.5	41	20	29.9	12	1,047	0.51	760	300
Suburban	41.9	35.4	76.9	43	20	36.2	14	1,122	0.52	948	354
Rural	22.8	21.2	37.4	44	25	40.5	16	978	0.55	908	363
Urban/Rural Location (2)											
City	48.2	35.3	71.1	40	20	29.0	12	1,031	0.51	756	298
Town	18.2	15.4	30.4	40	20	34.0	13	1,009	0.51	855	335
Suburbs	18.6	16.5	37.2	45	20	40.0	15	1,150	0.51	1,019	381
Rural or Open Country	16.4	16.0	30.0	47	25	46.0	17	1,086	0.58	1,058	394
Climate Zone (3)											
Fewer than 2,000 CDD and--											
More than 7,000 HDD	9.2	8.4	17.9	35	16	32.0	12	781	0.37	708	273
5,500 to 7,000 HDD	28.0	23.0	51.8	36	16	30.0	12	951	0.42	778	301
4,000 to 5,499 HDD	22.5	17.6	38.2	46	21	36.0	14	1,147	0.53	897	360
Fewer than 4,000 HDD	19.5	15.7	28.1	39	22	32.0	12	1,015	0.57	820	308
2,000 CDD or More and--											
Fewer than 4,000 HDD	22.2	18.5	32.8	53	30	45.0	17	1,283	0.73	1,072	409

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				per Building (million)	per Square Foot (thousand)	per Household	per Household Member	per Building	per Square Foot	per Household	per Household Member	
Type and Ownership of Housing Unit												
Single-Family Detached	63.8	63.8	128.9	40	20	40.0	14	985	0.49	985	353	
Owned	55.6	55.6	117.3	41	19	41.0	15	1,006	0.48	1,006	367	
Rented	8.1	8.1	11.6	34	24	34.0	11	845	0.59	845	268	
Single-Family Attached	9.9	9.9	14.6	28	19	28.0	12	753	0.51	753	323	
Owned	5.5	5.5	9.5	29	17	29.0	14	809	0.47	809	388	
Rented	4.5	4.5	5.1	26	23	26.0	10	685	0.60	685	260	
Multifamily												
2 to 4 Units	5.6	2.0	5.5	61	23	22.0	10	1,706	0.63	617	274	
Owned	0.9	0.3	1.3	67	17	25.0	10	2,140	0.54	784	309	
Rented	4.7	1.7	4.2	60	24	22.0	10	1,619	0.66	584	267	
5 or More Units	15.8	1.2	13.6	279	24	20.0	10	7,640	0.65	560	272	
Owned	1.2	0.1	1.2	365	19	21.0	14	9,650	0.51	544	370	
Rented	14.6	1.1	12.3	274	24	20.0	10	7,520	0.67	561	267	
Mobile Homes	6.3	6.3	6.3	40	40	40.0	16	899	0.91	899	357	
Owned	5.3	5.3	5.4	41	40	41.0	16	913	0.89	913	364	
Rented	1.1	1.1	0.9	36	44	36.0	14	831	1.01	831	322	
Estimated Heated Floorspace												
(Square Feet) (4)												
Fewer than 600	7.9	3.5	6.1	43	25	19.0	10	1,147	0.67	516	270	
600 to 999	21.5	13.4	22.9	42	24	26.0	12	1,061	0.62	661	301	
1,000 to 1,599	30.4	27.4	48.2	38	22	34.0	13	939	0.53	848	323	
1,600 to 1,999	15.3	14.9	30.8	43	21	41.0	14	1,049	0.51	1,022	351	
2,000 to 2,399	7.9	7.8	18.9	46	19	45.0	16	1,131	0.47	1,123	392	
2,400 to 2,999	5.3	5.3	15.0	52	18	51.0	17	1,243	0.44	1,226	400	
3,000 or More	4.1	4.1	14.0	64	19	63.0	19	1,543	0.45	1,526	464	
No Estimate Provided	9.1	6.8	12.9	38	20	28.0	11	1,027	0.54	769	298	
Total Number of Rooms												
1 or 2	3.0	0.8	1.5	52	28	14.0	9	1,472	0.79	400	262	
3	9.2	2.9	6.7	60	26	19.0	11	1,646	0.72	524	304	
4	18.3	11.7	19.0	41	25	26.0	12	1,041	0.64	666	307	
5	21.3	19.0	29.9	38	24	34.0	13	935	0.59	836	323	
6	20.0	19.3	35.2	39	21	38.0	13	970	0.53	934	333	
7	14.2	14.1	30.4	43	20	43.0	15	1,064	0.49	1,054	366	
8	8.4	8.3	22.4	45	17	45.0	14	1,116	0.42	1,111	353	
9 or More	7.0	7.0	23.6	54	16	54.0	16	1,326	0.39	1,322	391	
Ownership of Unit												
Owned	68.4	66.8	134.7	40	20	39.0	15	997	0.49	972	367	
Rented	33.0	16.5	34.1	51	25	25.0	10	1,323	0.64	660	268	
Year of Construction												
1939 or Before	18.7	15.4	32.4	32	15	27.0	10	875	0.42	721	276	
1940 to 1949	9.2	7.7	13.4	31	18	26.0	11	848	0.49	712	292	
1950 to 1959	12.5	11.1	19.3	35	20	31.0	12	915	0.52	808	311	
1960 to 1969	14.4	11.3	22.6	41	21	32.0	13	1,045	0.52	821	334	
1970 to 1979	19.6	15.0	30.8	53	26	41.0	16	1,267	0.62	973	377	
1980 to 1989	17.3	14.1	30.0	52	24	42.0	16	1,252	0.59	1,018	391	
1990 to 1997 (5)	9.7	8.6	20.2	48	20	43.0	15	1,124	0.48	997	351	
All Utilities Paid by Household												
Yes	89.7	79.4	158.4	42	21	37.0	14	1,042	0.52	922	348	
No	11.8	3.9	10.4	48	18	16.0	7	1,461	0.55	480	226	

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				per Building (million)	per Square Foot (thousand)	per Household	per Household Member	per Building	per Square Foot	per Household	per Household Member
1997 Household Income											
Less than \$5,000	3.8	2.4	4.0	38	23	25.0	11	976	0.59	634	281
\$5,000 to \$9,999	9.5	6.0	10.2	40	24	25.0	13	995	0.59	629	327
\$10,000 to \$14,999	10.3	7.6	12.5	37	22	27.0	12	912	0.55	671	292
\$15,000 to \$19,999	10.4	8.4	14.4	38	22	31.0	13	957	0.56	777	318
\$20,000 to \$24,999	8.4	6.8	12.0	42	24	34.0	14	1,012	0.58	822	347
\$25,000 to \$34,999	15.6	12.8	24.6	40	21	33.0	13	993	0.52	813	314
\$35,000 to \$49,999	15.5	13.2	27.6	43	21	36.0	13	1,057	0.50	897	329
\$50,000 to \$74,999	16.4	15.0	34.1	46	20	42.0	14	1,155	0.51	1,057	359
\$75,000 or More	11.5	10.9	29.5	50	19	48.0	15	1,289	0.48	1,224	395
Below Poverty Line											
100 Percent	14.6	10.0	16.8	41	24	28.0	10	1,033	0.61	703	243
125 Percent	19.6	13.4	22.9	42	25	29.0	10	1,039	0.61	711	255
150 Percent	26.7	18.9	31.9	42	25	29.0	11	1,029	0.61	727	263
Eligible for Federal Assistance (6)											
	34.0	24.7	42.9	40	23	29.0	11	1,004	0.58	728	273
Age of Householder											
Under 25 Years	5.7	2.9	5.7	52	26	26.0	10	1,316	0.67	668	262
25 to 34 Years	18.5	13.3	25.9	44	23	32.0	11	1,100	0.57	792	266
35 to 44 Years	23.2	20.1	42.5	45	21	39.0	12	1,101	0.52	954	288
45 to 59 Years	25.6	22.9	48.6	45	21	40.0	16	1,124	0.53	1,005	395
60 Years and Over	28.5	24.1	46.0	36	19	30.0	17	916	0.48	774	433
Race of Householder											
White	78.5	67.8	138.4	43	21	37.0	15	1,048	0.51	905	365
Black	12.7	9.4	17.8	43	23	32.0	12	1,112	0.59	823	304
Other (7)	10.3	6.1	12.6	40	19	24.0	7	1,135	0.55	670	206
Householder of Hispanic Descent											
Yes	9.4	6.3	11.5	41	22	27.0	8	1,107	0.60	740	228
No	92.0	76.9	157.3	43	21	36.0	14	1,058	0.52	884	351
Household Size											
1 Person	25.5	17.4	31.2	34	19	23.0	23	869	0.49	593	593
2 Persons	33.0	28.2	57.5	41	20	35.0	17	1,020	0.50	873	437
3 Persons	17.4	14.9	30.5	46	22	39.0	13	1,137	0.56	974	325
4 Persons	15.2	13.4	28.8	49	23	43.0	11	1,191	0.55	1,047	262
5 Persons	6.4	5.8	13.0	48	22	44.0	9	1,210	0.54	1,091	218
6 or More Persons	3.9	3.5	7.7	52	23	47.0	7	1,279	0.58	1,163	175
Number of Stories											
Single-Family Homes	73.7	73.7	143.5	38	20	38.0	14	954	0.49	954	349
1 Story	41.1	41.1	66.7	39	24	39.0	15	935	0.58	935	362
2 Stories	26.9	26.9	63.2	38	16	38.0	13	982	0.42	982	336
3 Stories	3.2	3.2	8.6	37	14	37.0	13	952	0.36	952	326
Split-Level	2.4	2.4	4.9	40	20	40.0	14	969	0.48	969	338
Other	0.1	0.1	0.1	25	19	25.0	11	763	0.58	763	351
Mobile Homes	6.3	6.3	6.3	40	40	40.0	16	899	0.91	899	357
Number of Floors in Apartment Buildings											
1 or 2 Floors	10.9	2.1	9.9	118	25	23.0	11	3,044	0.66	595	275
3 or 4 Floors	5.4	0.6	4.8	177	21	19.0	9	4,940	0.59	529	249
5 to 10 Floors	2.1	0.1	1.7	390	17	14.0	7	14,335	0.62	521	243
11 to 20 Floors	0.8	0.0	0.6	1,738	19	13.0	9	63,569	0.68	470	318
More than 20 Floors	0.2	0.0	0.2	412	29	23.0	11	10,469	0.73	597	286
Don't Know/No Answer	2.0	0.4	1.9	127	26	25.0	12	3,569	0.72	688	350

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Number of Units in Apartment Buildings												
2 to 4 Units	5.6	2.0	5.5	61	23	22.0	10	1,706	0.63	617	274	
5 to 10 Units	4.7	0.7	4.4	167	25	24.0	11	4,287	0.65	605	278	
11 to 20 Units	4.2	0.3	3.5	322	27	23.0	11	8,491	0.71	600	289	
21 to 50 Units	2.7	0.1	2.2	568	21	17.0	8	16,595	0.60	498	234	
51 Units or More	2.8	0.0	2.1	1,483	18	14.0	8	50,015	0.62	473	281	
No Answer	1.4	0.1	1.2	355 (8)	25	22.0	10	9,362 (8)	0.66	585	265	
Not Applicable	80.0	80.0	149.7	39	21	39.0	14	950	0.51	950	350	

(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.