

Table 1. Consumption and Expenditures in U.S. Households that Use Electricity, 2001

Characteristics	Total Households (million)	Residential Buildings		Average Electricity							
		Total Number (million)	Total Floorspace (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	107.0	85.2	211.2	46	18	36.0	14	1,178	0.48	938	366
Census Region and Division											
Northeast	20.3	14.1	43.7	37	12	26.0	11	1,268	0.41	883	362
New England	5.4	4.1	13.2	32	10	24.0	10	1,121	0.35	852	358
Middle Atlantic	14.8	10.0	30.5	40	13	27.0	11	1,328	0.44	894	364
Midwest	24.5	20.6	55.0	40	15	33.0	13	960	0.36	806	320
East North Central	17.1	14.1	38.1	38	14	31.0	12	957	0.35	789	311
West North Central	7.4	6.5	16.9	43	16	37.0	15	966	0.37	845	341
South	38.9	33.1	73.7	57	26	49.0	19	1,358	0.61	1,157	457
South Atlantic	20.3	17.0	38.8	56	25	47.0	18	1,383	0.61	1,160	456
East South Central	6.8	6.1	13.8	58	26	53.0	22	1,137	0.51	1,025	428
West South Central	11.8	10.0	21.1	58	27	49.0	19	1,450	0.69	1,226	473
West	23.3	17.4	38.8	38	17	28.0	10	1,020	0.46	760	276
Mountain	6.7	5.6	11.8	41	19	34.0	12	963	0.46	805	295
Pacific	16.6	11.8	27.0	37	16	26.0	9	1,047	0.46	742	268
Four Most Populated States											
California	12.3	8.8	20.2	28	12	20.0	7	1,004	0.44	718	245
Florida	6.3	5.1	11.7	64	28	52.0	21	1,688	0.74	1,364	540
New York	7.1	3.8	13.7	38	11	20.0	8	1,602	0.45	870	345
Texas	7.7	6.3	14.2	62	27	51.0	19	1,590	0.70	1,300	482
Metropolitan Statistical Area											
Urban	85.5	65.4	170.3	45	17	35.0	13	1,217	0.47	932	362
Central City	40.0	28.4	70.8	44	18	31.0	12	1,187	0.48	843	331
Suburban	45.5	37.0	99.5	46	17	38.0	14	1,240	0.46	1,010	388
Rural	21.5	19.8	41.0	47	22	43.0	17	1,047	0.51	964	386
Urban/Rural Location (1)											
City	49.9	35.0	84.9	43	18	30.0	12	1,167	0.48	820	325
Town	18.0	14.9	35.9	43	18	36.0	14	1,090	0.45	901	358
Suburbs	21.2	18.0	51.2	48	17	41.0	15	1,283	0.45	1,089	411
Rural or Open Country	17.9	17.3	39.2	50	22	49.0	19	1,165	0.51	1,126	431
Climate Zone (2)											
Fewer than 2,000 CDD and--											
More than 7,000 HDD	9.2	8.1	21.0	38	15	33.0	13	903	0.35	791	317
5,500 to 7,000 HDD	28.6	22.6	63.5	39	14	31.0	12	1,012	0.36	797	319
4,000 to 5,499 HDD	24.0	17.9	46.9	47	18	35.0	14	1,204	0.46	897	363
Fewer than 4,000 HDD	21.0	16.9	38.2	43	19	35.0	12	1,145	0.51	924	333
2,000 CDD or More and--											
Fewer than 4,000 HDD	24.1	19.7	41.6	57	27	47.0	18	1,483	0.70	1,215	475

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Type and Ownership of Housing Unit											
Single-Family Detached	63.1	63.1	153.1	42	17	42.0	15	1,069	0.44	1,069	391
Owned	55.6	55.6	140.5	43	17	43.0	16	1,091	0.43	1,091	405
Rented	7.4	7.4	12.6	36	21	36.0	12	908	0.54	908	299
Single-Family Attached	10.6	10.6	23.3	32	15	32.0	12	873	0.40	873	326
Owned	7.5	7.5	18.6	35	14	35.0	13	931	0.38	931	360
Rented	3.1	3.1	4.7	27	17	27.0	9	730	0.48	730	251
Multifamily											
2 to 4 Units	9.5	3.4	13.2	68	18	24.0	11	1,952	0.51	704	309
Owned	2.1	0.8	4.2	76	14	28.0	12	2,407	0.43	877	378
Rented	7.4	2.7	9.0	66	19	24.0	10	1,824	0.54	656	290
5 or More Units	17.0	1.3	14.4	277	25	21.0	11	7,917	0.71	605	303
Owned	1.8	0.1	2.0	339	21	24.0	13	10,096	0.64	708	385
Rented	15.2	1.2	12.4	270	26	21.0	10	7,687	0.73	594	294
Mobile Homes	6.8	6.8	7.2	43	40	43.0	16	981	0.93	981	380
Owned	5.7	5.7	6.2	43	39	43.0	17	986	0.90	986	392
Rented	1.1	1.1	0.9	41	50	41.0	14	956	1.15	956	328
Total Floorspace (Square Feet)											
Fewer than 500	3.9	1.2	1.6	56	45	18.0	10	1,667	1.32	532	297
500 to 999	21.8	10.7	16.8	51	33	25.0	12	1,343	0.86	659	318
1,000 to 1,499	22.7	17.3	27.9	44	27	34.0	14	1,131	0.70	862	346
1,500 to 1,999	16.6	15.4	28.9	41	22	38.0	14	1,054	0.56	974	363
2,000 to 2,499	13.5	12.9	30.1	41	18	39.0	14	1,047	0.45	1,002	369
2,500 to 2,999	9.3	9.0	25.5	41	14	39.0	14	1,049	0.37	1,010	372
3,000 to 3,499	6.9	6.7	22.1	50	15	48.0	16	1,268	0.38	1,232	397
3,500 to 3,999	4.1	3.9	15.0	53	14	51.0	16	1,389	0.36	1,339	420
4,000 or More	8.2	8.1	43.3	55	10	54.0	18	1,397	0.26	1,379	462
Total Number of Rooms											
1	2.6	0.6	1.3	61	28	14.0	9	1,790	0.82	421	255
2	9.2	2.5	6.7	69	26	18.0	11	1,949	0.72	521	317
3	19.0	11.2	21.6	45	23	27.0	13	1,184	0.62	700	340
4	22.2	18.5	36.0	40	21	33.0	13	1,039	0.53	866	345
5	23.0	21.7	49.5	42	18	40.0	14	1,064	0.47	1,003	363
6	14.0	13.9	37.0	45	17	45.0	15	1,142	0.43	1,130	383
7	9.8	9.7	30.2	50	16	50.0	16	1,270	0.41	1,260	402
8 or More	7.1	7.1	28.9	57	14	57.0	17	1,500	0.37	1,494	443
Ownership of Unit											
Owned	72.7	69.7	171.5	43	17	41.0	16	1,095	0.45	1,051	399
Rented	34.3	15.5	39.7	57	22	26.0	11	1,550	0.60	699	291
Year of Construction											
1939 or Before	18.9	14.3	38.5	36	14	28.0	11	1,005	0.37	761	309
1940 to 1949	7.6	6.3	14.2	37	16	30.0	11	986	0.44	817	308
1950 to 1959	14.2	12.2	28.4	38	16	33.0	13	1,013	0.43	871	348
1960 to 1969	13.8	10.7	25.3	42	18	33.0	13	1,133	0.48	878	362
1970 to 1979	18.8	13.9	32.6	55	24	41.0	16	1,363	0.58	1,012	405
1980 to 1989	18.2	14.0	35.1	56	22	43.0	17	1,384	0.55	1,062	425
1990 to 1999	14.5	12.9	34.5	49	18	44.0	15	1,231	0.46	1,090	373
2000 to 2001 (3)	0.9	0.9	2.8	45	14	43.0	13	1,195	0.38	1,143	339
All Utilities Paid by Household											
Yes	94.5	82.0	199.2	45	18	39.0	15	1,136	0.47	986	376
No	12.5	3.2	12.1	75	20	19.0	9	2,261	0.59	573	277

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2001 Household Income											
Less than \$10,000	11.0	6.4	12.9	42	21	25.0	13	1,082	0.54	628	335
\$10,000 to \$14,999	7.7	5.3	10.2	41	21	28.0	13	1,024	0.53	705	331
\$15,000 to \$19,999	8.9	6.5	13.3	43	21	31.0	14	1,105	0.54	806	353
\$20,000 to \$29,999	14.0	11.0	21.7	40	20	31.0	13	1,001	0.50	785	335
\$30,000 to \$39,999	13.9	10.7	24.0	45	20	34.0	13	1,146	0.51	880	344
\$40,000 to \$49,999	13.2	11.2	27.3	44	18	38.0	14	1,135	0.47	966	358
\$50,000 to \$74,999	21.7	18.9	51.1	48	18	42.0	14	1,252	0.46	1,091	374
\$75,000 to \$99,999	8.1	7.4	21.7	48	16	44.0	15	1,250	0.43	1,148	393
\$100,000 or More	8.5	7.9	29.0	58	16	53.0	18	1,522	0.41	1,401	464
Below Poverty Line											
100 Percent	15.0	9.3	18.4	45	23	28.0	11	1,134	0.58	706	275
125 Percent	20.1	13.2	26.4	46	23	30.0	11	1,149	0.57	754	273
150 Percent	26.5	17.7	35.5	45	23	30.0	12	1,138	0.57	762	290
Eligible for Federal Assistance (4)											
	33.8	23.3	48.5	44	21	30.0	11	1,124	0.54	775	292
Age of Householder											
Under 25 Years	6.1	3.1	7.1	62	27	32.0	12	1,566	0.70	803	303
25 to 34 Years	16.8	12.5	28.2	47	21	35.0	12	1,213	0.54	900	297
35 to 44 Years	22.3	18.3	46.8	49	19	40.0	12	1,266	0.49	1,036	314
45 to 59 Years	28.6	24.7	65.4	48	18	41.0	16	1,220	0.46	1,053	409
60 Years and Over	30.5	24.6	58.7	38	16	31.0	18	1,001	0.42	807	460
Race of Householder											
Non-Hispanic	96.8	78.6	196.9	46	18	37.0	15	1,179	0.47	957	385
Non-Hispanic White	78.7	65.8	164.2	46	18	38.0	16	1,162	0.47	971	404
Non-Hispanic Black	12.7	9.2	23.2	47	19	35.0	13	1,270	0.51	924	344
Multi-racial (5)	0.9	0.6	1.3	45	22	33.0	12	1,223	0.59	901	320
Other (6)	4.5	2.9	8.2	43	15	27.0	8	1,281	0.45	820	249
Hispanic	10.2	6.6	14.3	41	19	27.0	8	1,160	0.54	755	230
Householder of Hispanic Descent											
Yes	10.1	6.6	14.1	41	19	27.0	8	1,165	0.54	755	230
No	96.8	78.6	197.1	46	18	37.0	15	1,179	0.47	957	385
Household Size											
1 Person	28.2	18.7	40.4	36	17	24.0	24	950	0.44	630	630
2 Persons	35.1	29.0	73.0	43	17	36.0	18	1,114	0.44	919	459
3 Persons	17.0	14.0	35.7	49	19	40.0	13	1,251	0.49	1,032	344
4 Persons	15.6	13.7	36.5	53	20	47.0	12	1,352	0.51	1,190	297
5 Persons	7.1	6.2	16.5	59	22	51.0	10	1,495	0.56	1,303	261
6 or More Persons	4.0	3.6	9.1	52	21	47.0	7	1,376	0.54	1,249	187
Number of Stories											
Single-Family Homes	73.7	73.7	176.4	41	17	40.8	15	1,041	0.43	1,041	382
1 Story	44.2	44.2	88.6	41	20	41.1	16	1,024	0.51	1,024	398
2 Stories	26.4	26.4	78.4	40	14	40.5	14	1,066	0.36	1,066	361
3 Stories	1.6	1.6	5.4	38	11	37.6	12	1,089	0.33	1,089	355
Split-Level	1.3	1.3	3.8	44	15	43.8	15	1,086	0.38	1,086	380
Other	Q	Q	Q	33	15	33.1	8	699	0.33	699	175
Mobile Homes	6.8	6.8	7.2	43	40	42.5	16	981	0.93	981	380

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Number of Floors in Apartment Buildings											
1 or 2 Floors	8.9	0.9	7.9	266	29	25.4	12	7,099	0.76	680	321
3 or 4 Floors	4.7	0.3	3.8	238	21	17.5	9	6,689	0.6	491	255
5 to 10 Floors	2.4	0.1	1.8	431	20	14.8	8	15,672	0.72	539	294
11 to 20 Floors	0.9	0	0.8	618	18	14.5	9	25,595	0.73	602	365
More than 20 Floors	Q	Q	Q	1,207	31	25.3	13	Q	1.05	848	450
Don't Know/No Answer	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Number of Units in Apartment Buildings											
2 to 4 Units	9.5	3.4	13.2	68	18	24.0	11	1,952	0.51	704	309
5 to 10 Units	5.9	0.8	5.6	178	27	25.0	12	4,726	0.71	666	321
11 to 20 Units	4.2	0.3	3.4	336	29	24.0	11	9,381	0.80	658	295
21 to 50 Units	2.4	0.1	2.1	602	21	18.0	9	19,627	0.68	582	301
51 Units or More	2.9	(*)	2.1	1,387	21	15.0	9	43,416	0.66	471	288
No Answer	1.0	0.1	0.8	258 (7)	22	16.0	9	8,618 (7)	0.73	539	286
Not Applicable	80.5	80.5	183.6	41	18	41.0	15	1,036	0.45	1,036	382

- (1) Based on the household respondent's description rather than the Federal Government definition.
- (2) 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.
- (3) New construction for 2001 includes only those housing units built and occupied between January and the April-August period when the household interviews were conducted.
- (4) Below 150 percent of poverty line or 60 percent of median State income.
- (5) Respondents could select one or more race categories to describe themselves.
- (6) Includes Native American, Native Alaskan, and Pacific Islander households.
- (7) 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 2001 Residential Energy Consumption Survey.