

Table 1. Consumption and Expenditures in U.S. Households--Major Energy Sources (1), 1997

Characteristics	Total Households (million)	Residential Buildings		Average of Major Energy Sources							
		Total Number (million)	Total Floor-space(2) (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	101.5	83.2	168.8	123	61	101.0	39	1,633	0.80	1,338	517
Census Region and Division											
Northeast	19.7	15.1	34.6	158	69	121.0	48	2,153	0.94	1,644	658
New England	5.3	4.2	9.3	156	70	123.0	48	2,085	0.94	1,647	648
Middle Atlantic	14.4	10.9	25.3	159	68	120.0	48	2,179	0.94	1,643	662
Midwest	24.1	20.4	46.1	158	70	134.0	51	1,647	0.73	1,396	537
East North Central	16.9	14.0	31.8	167	73	138.0	53	1,714	0.75	1,417	539
West North Central	7.2	6.4	14.3	138	62	124.0	49	1,501	0.68	1,347	531
South	35.9	30.6	56.1	98	54	84.0	33	1,558	0.85	1,328	519
South Atlantic	18.7	15.6	30.5	90	46	75.0	30	1,592	0.82	1,330	529
East South Central	6.3	5.7	9.8	97	57	88.0	35	1,362	0.80	1,230	496
West South Central	10.8	9.2	15.8	113	66	97.0	36	1,621	0.95	1,381	517
West	21.8	17.2	32.0	95	51	75.0	28	1,286	0.69	1,013	376
Mountain	6.2	5.3	9.8	110	59	94.0	35	1,246	0.67	1,062	397
Pacific	15.6	11.9	22.2	88	47	67.0	25	1,304	0.70	994	368
Four Most Populated States											
California	11.5	8.7	15.8	85	47	64.0	23	1,337	0.73	1,008	363
Florida	5.9	4.9	9.3	67	35	55.0	22	1,535	0.81	1,266	499
New York	6.8	4.3	11.2	196	75	123.0	50	2,743	1.05	1,724	705
Texas	7.0	5.7	10.4	117	65	96.0	34	1,677	0.92	1,374	486
Metropolitan Statistical Area											
Urban	78.6	62.0	131.4	128	60	101.0	39	1,687	0.80	1,331	510
Central City	36.8	26.7	54.5	135	66	98.0	39	1,692	0.83	1,226	484
Suburban	41.9	35.4	76.9	122	56	103.0	39	1,684	0.77	1,423	531
Rural	22.8	21.2	37.4	109	62	101.0	41	1,467	0.83	1,363	545
Urban/Rural Location (3)											
City	48.2	35.3	71.1	131	65	96.0	38	1,642	0.82	1,203	475
Town	18.2	15.4	30.4	123	62	104.0	41	1,593	0.81	1,350	529
Suburbs	18.6	16.5	37.2	125	55	110.0	41	1,718	0.76	1,522	569
Rural or Open Country	16.5	16.0	30.0	105	56	102.0	38	1,554	0.83	1,513	564
Climate Zone (4)											
Fewer than 2,000 CDD and--											
More than 7,000 HDD	9.3	8.4	17.9	136	64	123.0	47	1,433	0.67	1,301	502
5,500 to 7,000 HDD	28.0	23.0	51.8	156	69	128.0	49	1,757	0.78	1,438	557
4,000 to 5,499 HDD	22.5	17.6	38.2	135	62	106.0	42	1,839	0.85	1,439	578
Fewer than 4,000 HDD	19.5	15.7	28.1	92	52	74.0	28	1,404	0.79	1,133	426
2,000 CDD or More and--											
Fewer than 4,000 HDD	22.2	18.5	32.8	92	52	77.0	29	1,561	0.88	1,305	497

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		Total Number (million)	Total Floor-space(2) (billion sq. ft.)	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	63.8	63.8	128.9	118	58	117.9	42	1,529	0.76	1,529	547
Owned	55.6	55.6	117.3	120	57	119.9	44	1,558	0.74	1,558	568
Rented	8.1	8.1	11.6	104	73	104.1	33	1,331	0.94	1,331	421
Single-Family Attached	9.9	9.9	14.6	94	64	94.4	40	1,256	0.86	1,256	538
Owned	5.5	5.5	9.5	101	58	100.9	48	1,358	0.78	1,358	651
Rented	4.5	4.5	5.1	86	76	86.5	33	1,131	0.99	1,131	429
Multifamily											
2 to 4 Units	5.6	2.0	5.5	251	93	91.5	41	3,041	1.13	1,108	493
Owned	0.9	0.3	1.3	409	104	151.4	60	4,461	1.14	1,650	650
Rented	4.7	1.7	4.2	219	90	79.7	36	2,756	1.12	1,001	457
5 or More Units	15.8	1.1	13.6	718	57	48.6	24	11,149	0.88	755	368
Owned	1.2	0.1	1.2	1,027	47	50.4	34	15,002	0.69	736	501
Rented	14.6	1.0	12.3	700	58	48.5	23	10,932	0.90	757	360
Mobile Homes	6.3	6.3	6.3	79	80	79.5	32	1,206	1.21	1,206	478
Owned	5.3	5.3	5.4	81	79	81.2	32	1,219	1.19	1,219	486
Rented	1.1	1.1	0.9	71	86	71.0	27	1,143	1.39	1,143	442
Estimated Heated Floorspace											
(Square Feet) (5)											
Fewer than 600	7.9	3.6	6.1	135	79	61.0	32	1,816	1.06	818	429
600 to 999	21.5	13.4	22.9	124	73	77.0	35	1,654	0.97	1,031	469
1,000 to 1,599	30.4	27.4	48.2	108	61	97.0	37	1,436	0.82	1,297	494
1,600 to 1,999	15.3	14.9	30.8	120	58	117.0	40	1,583	0.77	1,543	529
2,000 to 2,399	7.9	7.8	18.9	125	52	124.0	43	1,682	0.70	1,669	583
2,400 to 2,999	5.3	5.3	15.0	140	49	138.0	45	1,862	0.65	1,836	599
3,000 or More	4.1	4.1	14.0	177	52	175.0	53	2,312	0.68	2,288	695
No Estimate Provided	9.1	6.8	12.9	136	72	101.0	39	1,739	0.92	1,299	503
Total Number of Rooms											
1 or 2	3.1	0.8	1.5	141	77	39.0	26	2,071	1.13	569	374
3	9.2	2.9	6.7	163	71	52.0	30	2,412	1.05	768	446
4	18.3	11.7	19.0	115	71	74.0	34	1,584	0.98	1,014	468
5	21.3	19.0	29.9	104	66	93.0	36	1,397	0.89	1,249	483
6	20.0	19.3	35.2	116	64	112.0	40	1,520	0.83	1,464	522
7	14.2	14.1	30.4	123	57	122.0	42	1,630	0.76	1,615	561
8	8.4	8.3	22.4	142	53	142.0	45	1,771	0.66	1,763	560
9 or More	7.0	7.0	23.6	167	50	166.0	49	2,111	0.63	2,104	623
Ownership of Unit											
Owned	68.5	66.8	134.7	118	58	115.0	43	1,541	0.76	1,503	568
Rented	33.0	16.5	34.1	145	70	73.0	29	1,998	0.97	996	405
Year of Construction											
1939 or Before	18.7	15.4	32.4	160	76	132.0	50	1,788	0.85	1,471	563
1940 to 1949	9.2	7.7	13.4	131	76	110.0	45	1,565	0.90	1,314	539
1950 to 1959	12.5	11.1	19.3	120	69	106.0	41	1,518	0.87	1,340	517
1960 to 1969	14.4	11.3	22.6	122	61	96.0	39	1,609	0.81	1,264	514
1970 to 1979	19.6	15.0	30.8	114	56	87.0	34	1,682	0.82	1,291	500
1980 to 1989	17.3	14.1	30.0	100	47	82.0	31	1,602	0.75	1,302	500
1990 to 1997 (6)	9.7	8.6	20.2	107	45	95.0	33	1,544	0.66	1,369	483
All Utilities Paid by Household											
Yes	89.7	79.4	158.5	118	59	104.0	39	1,578	0.79	1,397	528
No	11.8	3.9	10.4	229	86	75.0	35	2,715	1.01	892	420

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1997 Household Income											
Less than \$5,000	3.8	2.4	4.0	125	76	81.0	36	1,581	0.96	1,028	456
\$5,000 to \$9,999	9.6	6.0	10.2	118	70	74.0	39	1,560	0.92	985	513
\$10,000 to \$14,999	10.3	7.6	12.5	113	69	83.0	36	1,447	0.88	1,063	462
\$15,000 to \$19,999	10.4	8.4	14.4	108	63	88.0	36	1,455	0.85	1,182	484
\$20,000 to \$24,999	8.4	6.8	12.0	113	65	92.0	39	1,518	0.87	1,233	520
\$25,000 to \$34,999	15.6	12.8	24.6	120	62	98.0	38	1,558	0.81	1,276	493
\$35,000 to \$49,999	15.5	13.2	27.6	126	60	107.0	39	1,642	0.78	1,394	512
\$50,000 to \$74,999	16.4	15.0	34.1	130	57	119.0	40	1,746	0.77	1,599	543
\$75,000 or More	11.5	10.9	29.5	141	52	134.0	43	1,931	0.72	1,835	592
Below Poverty Line											
100 Percent	14.6	10.0	16.8	122	72	83.0	29	1,598	0.95	1,088	376
125 Percent	19.7	13.5	22.9	121	71	83.0	30	1,602	0.94	1,096	394
150 Percent	26.7	18.9	31.9	119	71	84.0	30	1,582	0.94	1,117	404
Eligible for Federal Assistance (7)											
	34.1	24.7	42.9	120	69	87.0	33	1,572	0.91	1,140	427
Age of Householder											
Under 25 Years	5.7	2.9	5.7	137	69	70.0	27	1,920	0.97	974	382
25 to 34 Years	18.5	13.3	25.9	122	63	88.0	29	1,644	0.85	1,184	398
35 to 44 Years	23.2	20.1	42.6	124	59	107.0	32	1,662	0.78	1,441	435
45 to 59 Years	25.6	22.9	48.6	127	60	113.0	45	1,700	0.80	1,519	597
60 Years and Over	28.5	24.1	46.0	118	62	99.0	56	1,499	0.78	1,265	708
Race of Householder											
White	78.5	67.8	138.4	120	59	104.0	42	1,595	0.78	1,378	556
Black	12.7	9.4	17.8	142	75	105.0	39	1,826	0.97	1,351	500
Other (8)	10.3	6.1	12.6	124	59	73.0	22	1,731	0.83	1,020	313
Householder of Hispanic Descent											
Yes	9.4	6.3	11.5	114	62	76.0	23	1,630	0.89	1,089	335
No	92.1	76.9	157.3	124	61	104.0	41	1,631	0.80	1,364	541
Household Size											
1 Person	25.6	17.4	31.2	110	61	75.0	75	1,411	0.79	962	962
2 Persons	33.0	28.2	57.5	118	58	101.0	51	1,574	0.77	1,347	673
3 Persons	17.4	14.9	30.5	128	62	110.0	37	1,717	0.84	1,471	490
4 Persons	15.2	13.4	28.8	134	62	118.0	29	1,788	0.83	1,571	393
5 Persons	6.4	5.8	13.0	137	61	124.0	25	1,820	0.81	1,640	328
6 or More Persons	3.9	3.5	7.7	143	65	130.0	20	1,908	0.87	1,734	261
Number of Stories											
Single-Family Homes	73.7	73.7	143.5	115	59	115.0	42	1,492	0.77	1,492	546
1 Story	41.1	41.1	66.7	99	61	99.0	38	1,348	0.83	1,348	521
2 Stories	26.9	26.9	63.2	133	57	133.0	46	1,669	0.71	1,669	571
3 Stories	3.2	3.2	8.6	154	58	154.0	53	1,803	0.68	1,803	618
Split-Level	2.4	2.4	4.9	128	63	128.0	45	1,550	0.76	1,550	541
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Mobile Homes	6.3	6.3	6.3	79	80	79.0	32	1,206	1.21	1,206	478

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Number of Floors in Apartment Buildings												
1 or 2 Floors	10.9	2.1	9.9	296	64	58.0	27	4,273	0.92	835	386	
3 or 4 Floors	5.4	0.6	4.8	564	68	60.0	28	7,747	0.93	828	390	
5 to 10 Floors	2.1	0.1	1.7	1,708	74	62.0	29	23,735	1.03	863	402	
11 to 20 Floors	0.8	(*)	0.6	6,950	75	51.0	35	92,234	0.99	682	461	
More than 20 Floors	0.2	(*)	0.2	Q	48	39.0	19	Q	0.87	707	338	
Don't Know/No Answer	2.0	0.4	1.9	383	77	74.0	38	5,397	1.09	1,041	529	
Number of Units in Apartment Buildings												
2 to 4 Units	5.6	2.0	5.5	253	93	92.0	41	3,063	1.13	1,108	493	
5 to 10 Units	4.7	0.7	4.4	367	55	52.0	24	5,789	0.87	817	375	
11 to 20 Units	4.2	0.3	3.5	605	50	43.0	21	10,512	0.87	743	358	
21 to 50 Units	2.7	0.1	2.2	1,612	59	48.0	23	23,067	0.84	690	326	
51 Units or More	2.8	(*)	2.1	4,977	62	47.0	28	72,341	0.90	684	407	
No Answer	1.4	0.1	1.2	951(9)	67	59.0	27	13,682(9)	0.97	855	387	
Not Applicable	80.1	80.1	149.7	112	60	112.0	41	1,469	0.79	1,469	541	

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

(2) 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.

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

(4) 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.

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

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

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

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

(9) 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.