

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

Characteristics	Total Households (mil-ion)	Residential Buildings		Average of Major Energy Sources ⁽¹⁾								RSE Row Factors
				Consumption				Expenditures (dollars)				
		Total Number (mil-ion)	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	per Square Foot	per Household	per Household Member	
RSE Column Factor:	1.5	1.5	1.5	1.1	0.9	0.9	1.0	0.9	0.7	0.7	0.8	
Total U.S. Households	101.5	83.2	168.8	123	61	101	39	1,631	0.80	1,338	517	1.2
Census Region and Division												
Northeast	19.7	15.1	34.6	158	69	121	48	2,153	0.94	1,644	658	2.5
New England	5.3	4.2	9.3	156	70	123	48	2,085	0.94	1,647	648	4.7
Middle Atlantic	14.4	10.9	25.3	159	68	120	48	2,179	0.94	1,643	662	2.9
Midwest	24.1	20.4	46.1	158	70	134	51	1,647	0.73	1,396	537	2.2
East North Central	16.9	14.0	31.8	167	73	138	53	1,714	0.75	1,417	539	2.4
West North Central	7.2	6.4	14.3	138	62	124	49	1,501	0.68	1,347	531	4.3
South	35.9	30.6	56.1	98	54	84	33	1,558	0.85	1,328	519	2.3
South Atlantic	18.7	15.6	30.5	90	46	75	30	1,592	0.82	1,330	529	3.5
East South Central	6.3	5.7	9.8	97	57	88	35	1,362	0.80	1,230	496	3.9
West South Central	10.8	9.2	15.8	113	66	97	36	1,621	0.95	1,381	517	3.8
West	21.8	17.2	32.0	95	51	75	28	1,286	0.69	1,013	376	2.9
Mountain	6.2	5.3	9.8	110	59	94	35	1,246	0.67	1,062	397	4.0
Pacific	15.6	11.9	22.2	88	47	67	25	1,304	0.70	994	368	3.7
Largest Populated States												
California	11.5	8.7	15.8	85	47	64	23	1,337	0.73	1,008	363	4.3
Florida	5.9	4.9	9.3	67	35	55	22	1,535	0.81	1,266	499	5.4
New York	6.8	4.3	11.2	196	75	123	50	2,743	1.05	1,724	705	4.3
Texas	7.0	5.7	10.4	117	65	96	34	1,677	0.92	1,374	486	5.2
Metropolitan Statistical Area												
Urban	78.6	62.0	131.4	128	60	101	39	1,687	0.80	1,331	510	1.5
Central City	36.8	26.7	54.5	135	66	98	39	1,692	0.83	1,226	484	3.1
Suburban	41.9	35.4	76.9	122	56	103	39	1,684	0.77	1,423	531	2.3
Rural	22.8	21.2	37.4	109	62	101	41	1,467	0.83	1,363	545	3.2
Urban/Rural Location⁽³⁾												
City	48.2	35.3	71.1	131	65	96	38	1,642	0.82	1,203	475	2.2
Town	18.2	15.4	30.4	123	62	104	41	1,593	0.81	1,350	529	3.3
Suburbs	18.6	16.5	37.2	125	55	110	41	1,718	0.76	1,522	569	2.8
Rural or Open Country	16.5	16.0	30.0	105	56	102	38	1,554	0.83	1,513	564	3.2
Climate Zone⁽⁴⁾												
Under 2,000 CDD and												
Over 7,000 HDD	9.3	8.4	17.9	136	64	123	47	1,433	0.67	1,301	502	5.2
5,500 to 7,000 HDD	28.0	23.0	51.8	156	69	128	49	1,757	0.78	1,438	557	3.3
4,000 to 5,499 HDD	22.5	17.6	38.2	135	62	106	42	1,839	0.85	1,439	578	4.3
Under 4,000 HDD	19.5	15.7	28.1	92	52	74	28	1,404	0.79	1,133	426	5.1
2,000 CDD or More and												
Under 4,000 HDD	22.2	18.5	32.8	92	52	77	29	1,561	0.88	1,305	497	3.7
Type of Housing Unit												
Single-Family	73.7	73.7	143.5	115	59	115	42	1,492	0.77	1,492	546	1.3
Detached	63.8	63.8	128.9	118	58	118	42	1,529	0.76	1,529	547	1.4
Attached	9.9	9.9	14.6	94	64	94	40	1,256	0.86	1,256	538	4.0
Mobile Home	6.3	6.3	6.3	79	80	79	32	1,206	1.21	1,206	478	4.5
Multifamily	21.4	3.2	19.1	402	67	60	28	5,692	0.95	848	403	3.5
2 to 4 Units	5.6	2.0	5.5	253	93	92	41	3,063	1.13	1,108	493	5.2
5 or More Units	15.8	1.2	13.6	664	57	49	24	10,313	0.88	755	368	3.8

See footnotes at end of table.

Table 1. Consumption and Expenditures in U.S. Households, 1997 (Continued)

Characteristics	Total Households (million)	Residential Buildings		Average of Major Energy Sources ⁽¹⁾								RSE Row Factors
		Total Number (million)	Total Floor-space ⁽²⁾ (billion sq. ft.)	Consumption				Expenditures (dollars)				
				per Building (million Btu)	per Square Foot (thousand Btu)	per Household (million Btu)	per Household Member (million Btu)	per Building	per Square Foot	per Household	per Household Member	
RSE Column Factor:	1.5	1.5	1.5	1.1	0.9	0.9	1.0	0.9	0.7	0.7	0.8	
Estimated Heated Floorspace Category (square feet)⁽⁵⁾												
Fewer than 600	7.9	3.6	6.1	135	79	61	32	1,816	1.06	818	429	4.5
600 to 999	21.5	13.4	22.9	124	73	77	35	1,654	0.97	1,031	469	2.7
1,000 to 1,599	30.4	27.4	48.2	108	61	97	37	1,436	0.82	1,297	494	2.1
1,600 to 1,999	15.3	14.9	30.8	120	58	117	40	1,583	0.77	1,543	529	2.3
2,000 to 2,399	7.9	7.8	18.9	125	52	124	43	1,682	0.70	1,669	583	3.0
2,400 to 2,999	5.3	5.3	15.0	140	49	138	45	1,862	0.65	1,836	599	3.8
3,000 or More	4.1	4.1	14.0	177	52	175	53	2,312	0.68	2,288	695	5.0
No Estimate Provided	9.1	6.8	12.9	136	72	101	39	1,739	0.92	1,299	503	3.9
Total Number of Rooms (Excluding Bathrooms)												
1 or 2	3.1	0.8	1.5	141	77	39	26	2,071	1.13	569	374	7.4
3	9.2	2.9	6.7	163	71	52	30	2,412	1.05	768	446	4.2
4	18.3	11.7	19.0	115	71	74	34	1,584	0.98	1,014	468	2.8
5	21.3	19.0	29.9	104	66	93	36	1,397	0.89	1,249	483	2.4
6	20.0	19.3	35.2	116	64	112	40	1,520	0.83	1,464	522	2.0
7	14.2	14.1	30.4	123	57	122	42	1,630	0.76	1,615	561	2.4
8	8.4	8.3	22.4	142	53	142	45	1,771	0.66	1,763	560	3.1
9 or More	7.0	7.0	23.6	167	50	166	49	2,111	0.63	2,104	623	3.3
Ownership of Unit												
Owned	68.5	66.8	134.7	118	58	115	43	1,541	0.76	1,503	568	1.4
Rented	33.0	16.5	34.1	145	70	73	29	1,998	0.97	996	405	2.2
Public Housing	3.1	0.8	2.5	209	63	51	25	2,985	0.89	727	360	8.9
Not Public Housing	29.9	15.7	31.5	142	71	75	30	1,950	0.97	1,025	408	2.3
Year of Construction												
1939 or Before	18.7	15.4	32.4	160	76	132	50	1,788	0.85	1,471	563	2.9
1940 to 1949	9.2	7.7	13.4	131	76	110	45	1,565	0.90	1,314	539	4.1
1950 to 1959	12.5	11.1	19.3	120	69	106	41	1,518	0.87	1,340	517	2.6
1960 to 1969	14.4	11.3	22.6	122	61	96	39	1,609	0.81	1,264	514	2.8
1970 to 1979	19.6	15.0	30.8	114	56	87	34	1,682	0.82	1,291	500	2.7
1980 to 1989	17.3	14.1	30.0	100	47	82	31	1,602	0.75	1,302	500	3.4
1990 to 1997 ⁽⁶⁾	9.7	8.6	20.2	107	45	95	33	1,544	0.66	1,369	483	4.7
All Utilities Paid by Household												
Yes	89.7	79.4	158.5	118	59	104	39	1,578	0.79	1,397	528	1.3
No	11.8	3.9	10.4	229	86	75	35	2,715	1.01	892	420	4.2
1997 Family Income												
Less than \$5,000	3.8	2.4	4.0	125	76	81	36	1,581	0.96	1,028	456	5.7
\$5,000 to \$9,999	9.6	6.0	10.2	118	70	74	39	1,560	0.92	985	513	4.7
\$10,000 to \$14,999	10.3	7.6	12.5	113	69	83	36	1,447	0.88	1,063	462	3.7
\$15,000 to \$19,999	10.4	8.4	14.4	108	63	88	36	1,455	0.85	1,182	484	3.3
\$20,000 to \$24,999	8.4	6.8	12.0	113	65	92	39	1,518	0.87	1,233	520	3.5
\$25,000 to \$34,999	15.6	12.8	24.6	120	62	98	38	1,558	0.81	1,276	493	2.5
\$35,000 to \$49,999	15.5	13.2	27.6	126	60	107	39	1,642	0.78	1,394	512	2.2
\$50,000 to \$74,999	16.4	15.0	34.1	130	57	119	40	1,746	0.77	1,599	543	2.6
\$75,000 or More	11.5	10.9	29.5	141	52	134	43	1,931	0.72	1,835	592	3.0

See footnotes at end of table.

Table 1. Consumption and Expenditures in U.S. Households, 1997 (Continued)

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		Total Number (million)	Total Floor-space ⁽²⁾ (billion sq. ft.)	Consumption				Expenditures (dollars)				
				per Building (million Btu)	per Square Foot (thousand Btu)	per Household (million Btu)	per Household Member (million Btu)	per Building	per Square Foot	per Household	per Household Member	
RSE Column Factor:	1.5	1.5	1.5	1.1	0.9	0.9	1.0	0.9	0.7	0.7	0.8	
Below Poverty Line												
100 Percent	14.6	10.0	16.8	122	72	83	29	1,598	0.95	1,088	376	3.2
125 Percent	19.7	13.5	22.9	121	71	83	30	1,602	0.94	1,096	394	2.9
150 Percent	26.7	18.9	31.9	119	71	84	30	1,582	0.94	1,117	404	2.4
Eligible for Federal Assistance⁽⁷⁾												
.....	34.1	24.7	42.9	120	69	87	33	1,572	0.91	1,140	427	2.3
Age of Householder												
Under 25 Years	5.7	2.9	5.7	137	69	70	27	1,920	0.97	974	382	4.5
25 to 34 Years	18.5	13.3	25.9	122	63	88	29	1,644	0.85	1,184	398	2.5
35 to 44 Years	23.2	20.1	42.6	124	59	107	32	1,662	0.78	1,441	435	2.0
45 to 59 Years	25.6	22.9	48.6	127	60	113	45	1,700	0.80	1,519	597	1.8
60 Years and Over	28.5	24.1	46.0	118	62	99	56	1,499	0.78	1,265	708	2.2
Race of Householder												
White	78.5	67.8	138.4	120	59	104	42	1,595	0.78	1,378	556	1.4
Black	12.7	9.4	17.8	142	75	105	39	1,826	0.97	1,351	500	3.6
Other ⁽⁸⁾	10.3	6.1	12.6	124	59	73	22	1,731	0.83	1,020	313	4.1
Householder of Hispanic Descent												
Yes	9.4	6.3	11.5	114	62	76	23	1,630	0.89	1,089	335	3.9
No	92.1	76.9	157.3	124	61	104	41	1,631	0.80	1,364	541	1.3
Household Size												
1 Person	25.6	17.4	31.2	110	61	75	75	1,411	0.79	962	962	2.4
2 Persons	33.0	28.2	57.5	118	58	101	51	1,574	0.77	1,347	673	1.7
3 Persons	17.4	14.9	30.5	128	62	110	37	1,717	0.84	1,471	490	2.1
4 Persons	15.2	13.4	28.8	134	62	118	29	1,788	0.83	1,571	393	2.2
5 Persons	6.4	5.8	13.0	137	61	124	25	1,820	0.81	1,640	328	3.7
6 or More Persons	3.9	3.5	7.7	143	65	130	20	1,908	0.87	1,734	261	5.1
Number of Stories												
Single-Family Homes	73.7	73.7	143.5	115	59	115	42	1,492	0.77	1,492	546	1.3
1 Story	41.1	41.1	66.7	99	61	99	38	1,348	0.83	1,348	521	1.9
2 Stories	26.9	26.9	63.2	133	57	133	46	1,669	0.71	1,669	571	2.1
3 Stories	3.2	3.2	8.6	154	58	154	53	1,803	0.68	1,803	618	5.5
Split-Level	2.4	2.4	4.9	128	63	128	45	1,550	0.76	1,550	541	5.4
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	NF
Mobile Homes	6.3	6.3	6.3	79	80	79	32	1,206	1.21	1,206	478	4.5
Number of Floors in Apartment Buildings												
1 or 2 Floors	10.9	2.1	9.9	296	64	58	27	4,273	0.92	835	386	4.5
3 or 4 Floors	5.4	0.6	4.8	564	68	60	28	7,747	0.93	828	390	7.3
5 to 10 Floors	2.1	0.1	1.7	1,708	74	62	29	23,735	1.03	863	402	9.8
11 to 20 Floors	0.8	(*)	0.6	6,950	75	51	35	92,234	0.99	682	461	13.6
More than 20 Floors	0.2	(*)	0.2	Q	48	39	19	Q	0.87	707	338	27.0
Don't Know/No Answer	2.0	0.4	1.9	383	77	74	38	5,397	1.09	1,041	529	10.8

See footnotes at end of table.

Table 1. Consumption and Expenditures in U.S. Households, 1997 (Continued)

Characteristics	Total Households (million)	Residential Buildings		Average of Major Energy Sources ⁽¹⁾								RSE Row Factors
		Total Number (million)	Total Floor-space ⁽²⁾ (billion sq. ft.)	Consumption				Expenditures (dollars)				
				per Building (million Btu)	per Square Foot (thousand Btu)	per Household (million Btu)	per Household Member (million Btu)	per Building	per Square Foot	per Household	per Household Member	
RSE Column Factor:	1.5	1.5	1.5	1.1	0.9	0.9	1.0	0.9	0.7	0.7	0.8	
Number of Units in Apartment Buildings												
2 to 4 Units	5.6	2.0	5.5	253	93	92	41	3,063	1.13	1,108	493	5.2
5 to 10 Units	4.7	0.7	4.4	367	55	52	24	5,789	0.87	817	375	6.3
11 to 20 Units	4.2	0.3	3.5	605	50	43	21	10,512	0.87	743	358	6.6
21 to 50 Units	2.7	0.1	2.2	1,612	59	48	23	23,067	0.84	690	326	9.8
51 Units or More	2.8	(*)	2.1	4,977	62	47	28	72,341	0.90	684	407	8.4
No Answer	1.4	0.1	1.2	951 ⁽⁹⁾	67	59	27	13,682 ⁽⁹⁾	0.97	855	387	10.1
Not Applicable	80.1	80.1	149.7	112	60	112	41	1,469	0.79	1,469	541	1.3

(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-August 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.
 NF = No applicable RSE row factor.
 Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.
 Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • 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.