

2001 Household Energy Consumption and Expenditures Tables

Table CE1-5.2u. Total Energy Consumption and Expenditures by Square Feet and Household Demographics, 2001

Household Demographics	Total End-Use Energy								RSE Row Factors
	Households (millions)	Total		Per Household			Per Square Feet		
		Consumption (quadrillion Btu)	Expenditures (billion dollars)	Consumption (million Btu)	Expenditures (dollars)	Square Feet	Consumption (1000 Btu)	Expenditures (dollars)	
RSE Column Factor:	1.3	1.5	1.4	0.8	0.7	0.9	0.8	0.8	
Total Households	107.0	9.86	159.74	92.2	1,493	1,975	46.7	0.76	1.3
Household Size									
1 Person	28.2	1.84	29.67	65.5	1,053	1,433	45.7	0.74	2.2
2 Persons	35.1	3.25	52.18	92.6	1,486	2,079	44.6	0.71	2.0
3 Persons	17.0	1.67	27.38	98.2	1,608	2,100	46.8	0.77	2.8
4 Persons	15.6	1.71	28.17	110.0	1,808	2,343	46.9	0.77	2.9
5 Persons	7.1	0.87	14.27	122.9	2,006	2,317	53.0	0.87	5.2
6 or More Persons	4.0	0.51	8.08	127.3	2,022	2,308	55.2	0.88	5.3
2001 Household Income Category									
Less than \$9,999	11.0	0.72	11.47	65.2	1,039	1,168	55.9	0.89	4.6
\$10,000 to \$14,999	7.7	0.53	8.62	69.7	1,124	1,328	52.5	0.85	4.4
\$15,000 to \$19,999	8.9	0.72	11.49	80.5	1,290	1,494	53.9	0.86	4.2
\$20,000 to \$29,999	14.0	1.17	18.38	83.4	1,315	1,555	53.6	0.85	3.1
\$30,000 to \$39,999	13.9	1.21	19.43	86.9	1,398	1,725	50.4	0.81	3.1
\$40,000 to \$49,999	13.2	1.22	20.03	92.8	1,518	2,068	44.9	0.73	3.6
\$50,000 to \$74,999	21.7	2.22	36.47	102.5	1,683	2,360	43.4	0.71	2.7
\$75,000 to \$99,999	8.1	0.91	14.75	112.5	1,825	2,690	41.8	0.68	4.2
\$100,000 or More	8.6	1.17	19.09	136.1	2,231	3,395	40.1	0.66	4.5
Income Relative to Poverty Line									
Below 100 Percent	15.0	1.06	17.04	70.7	1,138	1,227	57.6	0.93	3.8
100 to 150 Percent	11.5	0.95	15.19	83.0	1,324	1,494	55.6	0.89	3.7
Above 150 Percent	80.5	7.85	127.51	97.5	1,583	2,183	44.7	0.73	1.4
Eligible for Federal Assistance ¹									
Yes	33.8	2.70	42.94	79.9	1,270	1,435	55.7	0.89	2.4
No	73.2	7.16	116.80	97.9	1,596	2,225	44.0	0.72	1.5
Age of Householder									
Under 25 Years	6.1	0.40	7.04	65.9	1,148	1,154	57.1	1.00	4.6
25 to 34 Years	16.8	1.39	23.02	82.4	1,367	1,673	49.2	0.82	2.9
35 to 44 Years	22.3	2.24	36.35	100.1	1,626	2,096	47.7	0.78	2.6
45 to 54 Years	20.7	2.16	34.77	104.4	1,678	2,307	45.2	0.73	2.9
55 to 64 Years	14.5	1.41	23.14	97.3	1,593	2,207	44.1	0.72	3.1
65 to 74 Years	12.6	1.11	17.52	88.3	1,391	1,932	45.7	0.72	3.6
75 Years or More	11.2	0.92	13.98	81.4	1,243	1,773	45.9	0.70	4.0
No answer/refused	2.6	0.23	3.89	90.4	1,522	1,977	45.7	0.77	7.3
Race of Householder									
Non-Hispanic	96.8	9.15	147.60	94.5	1,524	2,035	46.5	0.75	1.4
Non-Hispanic White	78.7	7.49	120.71	95.2	1,533	2,087	45.6	0.73	1.6
Non-Hispanic Black	12.7	1.28	20.10	100.8	1,581	1,827	55.2	0.87	4.5
Multi-racial ²	0.9	0.07	1.17	75.4	1,343	1,526	49.4	0.88	12.9
Other ³	4.5	0.31	5.62	69.0	1,244	1,808	38.1	0.69	6.8
Hispanic	10.2	0.71	12.15	70.0	1,195	1,407	49.8	0.85	4.3

¹ Below 150 percent of poverty line or 60 percent of median State income.

² Respondents could select one or more race categories to describe themselves.

³ Includes Native American, Native Alaskan, Asian, and Pacific Islander households.

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. • See "Glossary" for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-457 A-G of the 2001 Residential Energy Consumption Survey.

**Table CE1-3c. Total Energy Consumption in U.S. Households
by Household Income, 2001 (Continued)**

	Total	2001 Household Income				Below Poverty Line	Eligible for Federal Assistance ¹	RSE Row Factors
		Less than \$10,000	\$10,000 to \$29,999	\$30,000 to \$49,999	\$50,000 or More			
RSE Column Factor:	0.5	1.7	0.9	1.0	0.9	1.4	0.9	
Physical Units per Household³								
Physical Units of Total Consumption per Household, Fuels Used:								
Electricity (kWh)	10,656	7,190	8,906	10,545	13,131	8,152	8,871	2.4
Natural Gas (thousand cf)	70	54	63	68	81	56	64	3.0
Fuel Oil (gallons)	589	492	527	562	667	471	553	5.7
Kerosene (gallons)	119	162	157	99	77	166	154	21.0
LPG (gallons)	440	308	450	455	456	352	411	9.9
Wood (cords)	1.3	3.5	1.9	1.5	0.9	2.4	2.1	18.4
Million Households								
Number of Households, Where the End Use Is:								
Space Heating ⁴	105.3	10.8	30.2	26.5	37.8	14.6	33.2	3.4
Electric Air-Conditioning ⁵	80.8	6.9	21.7	21.0	31.2	9.1	22.6	3.9
Water Heating ⁶	106.7	11.0	30.5	27.0	38.2	14.9	33.7	3.3
Refrigerators	106.8	11.0	30.5	27.1	38.3	14.9	33.7	3.3
Appliances	107.0	11.0	30.6	27.1	38.3	15.0	33.8	3.3
Quadrillion Btu^a								
Total Btu Consumption, Where the End Use Is:								
Space Heating	4.62	0.36	1.20	1.14	1.92	0.50	1.32	4.4
Electric Air-Conditioning	0.62	0.04	0.13	0.15	0.31	0.05	0.13	5.9
Water Heating	1.68	0.13	0.40	0.42	0.73	0.19	0.47	3.7
Refrigerators	0.53	0.05	0.14	0.13	0.22	0.06	0.15	3.6
Other Appliances and Lighting	2.40	0.16	0.55	0.59	1.11	0.25	0.63	3.8
Million Btu per Household^{3,a}								
Total Btu Consumption per Household, Where the End Use Is:								
Space Heating	43.9	33.1	39.7	43.1	50.8	34.1	39.7	3.4
Electric Air-Conditioning	7.7	5.1	5.9	7.2	9.9	5.8	5.8	4.0
Water Heating	15.8	11.5	13.2	15.5	19.2	12.9	14.0	2.3
Refrigerators	5.0	4.2	4.6	4.8	5.7	4.2	4.4	2.0
Other Appliances and Lighting	22.5	14.1	17.9	21.7	29.1	16.8	18.7	2.2

¹ Below 150 percent of poverty line or 60 percent of median State income.

² The RECS cannot be used to accurately estimate the number of households that do not use electricity.

³ The averages for total and for appliances are over the set of all households; otherwise the averages are over the set of households using a given fuel or over the set using a given end use.

⁴ Households where the main or secondary space-heating fuel is electricity, natural gas, fuel oil, kerosene, or LPG.

⁵ The number of households, where the end use is electric air-conditioning, does not include households that did not use their equipment (0.9 million). It does include the small number of households where the fuel for central air-conditioning equipment was something other than electricity; those households were treated as if the fuel was electricity.

⁶ Households where the main or secondary water-heating fuel is electricity, natural gas, fuel oil, kerosene, or LPG.

^a The row factor in this section is underestimated because it contains no error for estimating the end-use.

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Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-457 A-G of the 2001 Residential Energy Consumption Survey.