

Table CE1-1c. Total Energy Consumption in U.S. Households by Climate Zone, 2001

	Climate Zone ¹						RSE Row Factors
	Total	Fewer than 2,000 CDD and --				2,000 CDD or More and Fewer than 4,000 HDD	
		More than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	Fewer than 4,000 HDD		
RSE Column Factor:	0.4	1.7	1.1	1.1	1.3	1.0	
Million Households							
Total U.S. Households	107.0	9.2	28.6	24.0	21.0	24.1	7.9
Number of Households, Fuels Used (more than one may apply):							
Electricity ²	107.0	9.2	28.6	24.0	21.0	24.1	7.9
Natural Gas	66.9	4.9	21.2	14.9	13.8	12.1	8.6
Fuel Oil	8.7	1.8	2.9	3.7	Q	Q	17.0
Kerosene	2.9	0.4	0.7	0.7	0.8	0.3	21.6
LPG	9.4	1.6	2.2	1.9	2.1	1.5	20.9
Wood	14.5	2.0	3.1	2.9	3.4	3.0	13.1
Quadrillion Btu							
Total Btu Consumption, Fuels Used:							
Electricity							
Primary	11.63	0.91	2.64	2.53	2.17	3.37	8.0
Site	3.89	0.31	0.88	0.85	0.72	1.13	8.0
Natural Gas	4.84	0.43	1.99	1.09	0.73	0.60	10.1
Fuel Oil	0.71	0.17	0.26	0.26	Q	Q	19.5
Kerosene	0.05	0.01	0.01	0.01	0.01	Q	32.4
LPG	0.38	0.07	0.12	0.08	0.06	0.05	25.8
Wood	0.37	0.13	0.09	0.07	0.06	0.03	20.0
Total (excludes primary electricity and wood)	9.86	0.98	3.27	2.29	1.55	1.78	7.4
Physical Units							
Physical Units of Total Consumption, Fuels Used:							
Electricity (billion kWh)	1,140	90	259	248	212	331	8.0
Natural Gas (billion cf)	4,708	416	1,936	1,055	713	587	10.1
Fuel Oil (million gallons)	5,105	1,217	1,909	1,903	Q	Q	19.5
Kerosene (million gallons)	348	75	82	81	92	Q	32.4
LPG (million gallons)	4,121	763	1,276	878	707	497	25.8
Wood (million cords)	18.7	6.3	4.3	3.5	2.9	1.7	20.0
Million Btu per Household³							
Total Btu Consumption per Household, Fuels Used:							
Electricity							
Primary	108.7	98.9	92.1	105.5	103.2	140.2	3.6
Site	36.4	33.1	30.8	35.3	34.5	46.9	3.6
Natural Gas	72.4	87.0	94.0	72.8	53.1	50.0	3.6
Fuel Oil	81.7	91.5	92.8	72.1	35.3	Q	8.1
Kerosene	16.1	24.8	16.9	15.0	15.5	Q	22.6
LPG	40.2	44.9	52.4	41.2	30.5	29.7	12.0
Wood	25.9	61.9	27.9	24.1	17.2	11.0	12.9
Total (excludes primary electricity and wood)	92.2	106.2	114.0	95.2	73.7	74.0	2.8

See footnotes at end of table.

Table CE1-1c. Total Energy Consumption in U.S. Households by Climate Zone, 2001 (Continued)

	Climate Zone ¹						RSE Row Factors
	Total	Fewer than 2,000 CDD and --				2,000 CDD or More and Fewer than 4,000 HDD	
		More than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	Fewer than 4,000 HDD		
RSE Column Factor:	0.4	1.7	1.1	1.1	1.3	1.0	
Physical Units per Household³							
Physical Units of Total Consumption per Household, Fuels Used:							
Electricity (kWh)	10,656	9,693	9,030	10,345	10,118	13,743	3.6
Natural Gas (thousand cf)	70	85	91	71	52	49	3.6
Fuel Oil (gallons)	589	661	670	520	254	Q	8.1
Kerosene (gallons)	119	184	125	111	115	Q	22.6
LPG (gallons)	440	491	573	451	334	325	12.0
Wood (cords)	1.3	3.1	1.4	1.2	0.9	0.5	12.9
Million Households							
Number of Households, Where the End Use Is:							
Space Heating ⁴	105.3	9.1	28.5	23.7	20.4	23.5	8.0
Electric Air-Conditioning ⁵	80.8	5.3	20.5	19.9	13.4	21.8	8.2
Water Heating ⁶	106.7	9.2	28.6	24.0	20.9	24.0	7.9
Refrigerators	106.8	9.2	28.6	24.0	20.9	24.1	7.9
Appliances	107.0	9.2	28.6	24.0	21.0	24.1	7.9
Quadrillion Btu^a							
Total Btu Consumption, Where the End Use Is:							
Space Heating	4.62	0.58	1.89	1.15	0.56	0.44	8.8
Electric Air-Conditioning	0.62	0.02	0.08	0.11	0.11	0.30	10.3
Water Heating	1.68	0.14	0.51	0.38	0.32	0.33	7.0
Refrigerators	0.53	0.04	0.13	0.11	0.10	0.15	7.6
Other Appliances and Lighting	2.40	0.20	0.65	0.53	0.46	0.56	7.4
Million Btu per Household^{3,a}							
Total Btu Consumption per Household, Where the End Use Is:							
Space Heating	43.9	63.2	66.2	48.6	27.5	18.9	4.5
Electric Air-Conditioning	7.7	3.6	4.1	5.7	7.9	13.8	4.9
Water Heating	15.8	15.7	17.9	16.0	15.1	13.6	2.9
Refrigerators	5.0	4.6	4.6	4.6	4.7	6.2	2.9
Other Appliances and Lighting	22.5	21.7	22.8	21.9	22.1	23.2	2.8

¹ 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.

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.

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.

• 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.