

Table CE2-4c. Space-Heating Energy Consumption in U.S. Households by Type of Housing Unit, 2001

	Type of Housing Unit					RSE Row Factors
	Total	Single-Family	Apartments in Buildings With		Mobile Homes	
			Two to Four Units	Five or More Units		
RSE Column Factor:	0.6	0.6	1.4	1.2	1.7	
Million Households						
Total U.S. Households	107.0	73.7	9.5	17.0	6.8	4.6
No Space Heating	1.0	0.3	Q	0.6	Q	18.5
Space Heating	106.0	73.4	9.4	16.4	6.8	4.6
Not Using a Major Fuel ¹	0.7	0.6	Q	Q	Q	33.5
Using a Major Fuel ¹	105.3	72.8	9.4	16.3	6.8	4.7
For Main Space Heating	103.8	71.5	9.3	16.3	6.7	4.7
For Secondary Space Heating Only	1.5	1.4	Q	Q	Q	23.6
Number of Households with Space Heating, Major Fuels Used (more than one may apply):						
Electricity	43.8	27.5	4.1	8.5	3.7	7.1
Natural Gas	60.5	45.6	5.6	7.1	2.2	6.4
Fuel Oil	8.5	6.3	0.6	1.3	0.2	17.0
Kerosene	2.7	2.0	Q	Q	0.6	15.6
LPG	6.6	5.3	Q	Q	1.2	16.1
Quadrillion Btu^a						
Space-Heating Btu Consumption, Major Fuels Used:						
Electricity	0.39	0.26	0.03	0.06	0.04	9.5
Natural Gas	3.32	2.75	0.33	0.15	0.10	8.0
Fuel Oil	0.58	0.49	0.05	0.03	0.01	19.2
Kerosene	0.04	0.02	Q	Q	0.02	25.6
LPG	0.28	0.23	Q	Q	0.05	19.3
Total	4.62	3.75	0.41	0.24	0.21	5.3
Physical Units^a						
Physical Units of Space-Heating Consumption, Major Fuels Used:						
Electricity (billion kWh)	116	76	9	19	12	9.5
Natural Gas (billion cf)	3,231	2,672	324	141	94	8.0
Fuel Oil (million gallons)	4,155	3,523	346	221	65	19.2
Kerosene (million gallons)	326	180	Q	Q	139	25.6
LPG (million gallons)	3,097	2,551	Q	Q	519	19.3
Million Btu per Household^a						
Average Space-Heating Btu Consumption per Household						
Using a Major Fuel ¹	43.9	51.5	44.2	14.8	31.3	3.9
For Main Space Heating	44.3	52.2	44.3	14.8	31.4	4.0
For Secondary Space Heating Only	18.1	17.7	Q	Q	Q	20.0

See footnotes at end of table.

Table CE2-4c. Space-Heating Energy Consumption in U.S. Households by Type of Housing Unit, 2001 (Continued)

	Type of Housing Unit					RSE Row Factors
	Total	Single-Family	Apartments in Buildings With		Mobile Homes	
			Two to Four Units	Five or More Units		
RSE Column Factor:	0.6	0.6	1.4	1.2	1.7	
Million Households						
Number of Households, Where the Main Space-Heating Fuel Is:						
Electricity	30.9	17.0	3.1	7.9	2.9	9.0
Natural Gas	59.1	44.3	5.6	7.1	2.2	6.5
Fuel Oil	8.0	5.9	0.6	1.3	0.2	17.3
Kerosene	0.8	0.5	Q	Q	0.3	26.3
LPG	4.9	3.8	Q	Q	1.0	17.7
Other	2.2	1.9	Q	Q	Q	21.8
No Space Heating	1.0	0.3	Q	0.6	Q	18.5
Million Btu per Household^{3,a}						
Space-Heating Btu Consumption per Household,² Where the Main Space-Heating Fuel Is:						
Electricity	12.0	14.2	9.2	8.1	13.1	5.7
Natural Gas	55.4	61.1	59.4	20.2	43.9	3.9
Fuel Oil	70.2	80.3	77.3	23.6	49.5	7.7
Kerosene	38.3	31.5	Q	Q	47.9	19.5
LPG	51.0	54.2	Q	Q	41.6	6.6
Physical Units (PU) per Household^{3,a}						
Physical Units of Space-Heating Consumption per Household,² Where the Main Space-Heating Fuel Is:						
Electricity (kWh)	3,524	4,154	2,708	2,375	3,841	5.7
Natural Gas (thousand cf)	54	59	58	20	43	3.9
Fuel Oil (gallons)	507	579	558	170	357	7.7
Kerosene (gallons)	283	233	Q	Q	355	19.5
LPG (gallons)	559	594	Q	Q	456	6.6
2001 Heating Degree-Days (HDD) per Household³						
2001 Heating Degree-Days per Household, Where the Main Space-Heating Fuel Is:						
Electricity	3,006	2,815	3,267	3,330	2,955	5.5
Natural Gas	4,255	4,184	4,686	4,287	4,498	2.9
Fuel Oil	5,339	5,474	5,674	4,490	5,873	5.3
Kerosene	4,636	4,583	Q	Q	4,581	9.8
LPG	4,643	4,611	Q	Q	4,885	6.5
Average for All Heated Households	4,004	4,012	4,274	3,841	3,942	2.7

See footnotes at end of table.

Table CE2-4c. Space-Heating Energy Consumption in U.S. Households by Type of Housing Unit, 2001 (Continued)

	Type of Housing Unit					RSE Row Factors
	Total	Single-Family	Apartments in Buildings With		Mobile Homes	
			Two to Four Units	Five or More Units		
RSE Column Factor:	0.6	0.6	1.4	1.2	1.7	
Heated Square Footage (HSF) per Household³						
Heated Square Footage per Household, Where the Main Space-Heating Fuel Is:						
Electricity	1,399	1,869	842	745	1,036	4.6
Natural Gas	1,836	2,104	1,336	810	984	3.2
Fuel Oil	2,043	2,365	1,780	847	901	7.2
Kerosene	1,076	1,226	Q	Q	811	11.0
LPG	1,570	1,779	Q	Q	860	5.1
Average for All Heated Households	1,707	2,047	1,197	785	979	2.6
Space-Heating Intensity^{3,a} [PU÷(HDD×(HSF÷1000))]						
Space-Heating Intensity, Where the Main Space-Heating Fuel Is:						
Electricity (kWh)	0.838	0.790	0.984	0.958	1.254	4.6
Natural Gas (cubic feet)	6.893	6.743	9.226	5.643	9.635	3.6
Fuel Oil (gallons)	0.046	0.045	0.055	0.045	0.068	8.5
Kerosene (gallons)	0.057	0.042	Q	Q	0.095	13.7
LPG (gallons)	0.077	0.072	Q	Q	0.108	7.9

¹ The major fuels are electricity, natural gas, fuel oil, kerosene, and liquefied petroleum gas (LPG).

² Includes only the space-heating consumption of the space-heating fuel. Not included are: 1) the consumption of the main space-heating fuel for uses other than space heating; 2) the consumption of the main space-heating fuel where it is the secondary, and not the main, space-heating fuel, and; 3) the consumption of other fuels that are used as secondary space-heating fuels.

³ Averages are for those households using each of the main space-heating fuels.

^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.