

**Table CE1-2c. Total Energy Consumption in U.S. Households
by Year of Construction, 2001**

	Total	Year of Construction						RSE Row Factors
		1990 to 2001 ¹	1980 to 1989	1970 to 1979	1960 to 1969	1950 to 1959	1949 or Before	
RSE Column Factor:	0.5	1.6	1.1	1.0	1.1	1.1	0.9	
Million Households								
Total U.S. Households	107.0	15.5	18.2	18.8	13.8	14.2	26.6	4.3
Number of Households, Fuels Used (more than one may apply):								
Electricity ²	107.0	15.5	18.2	18.8	13.8	14.2	26.6	4.3
Natural Gas	66.9	9.4	8.8	9.0	9.5	10.3	20.0	5.9
Fuel Oil	8.7	0.3	0.5	0.9	1.3	1.8	3.9	15.5
Kerosene	2.9	0.4	0.3	0.7	0.4	0.3	0.8	20.8
LPG	9.4	1.4	1.5	1.7	1.1	1.0	2.6	13.9
Wood	14.5	2.0	3.0	3.2	2.0	1.7	2.5	9.9
Quadrillion Btu								
Total Btu Consumption, Fuels Used:								
Electricity								
Primary	11.63	2.02	2.33	2.29	1.35	1.38	2.26	4.7
Site	3.89	0.68	0.78	0.77	0.45	0.46	0.76	4.7
Natural Gas	4.84	0.66	0.57	0.57	0.61	0.75	1.68	6.9
Fuel Oil	0.71	0.02	0.04	0.07	0.09	0.14	0.34	17.8
Kerosene	0.05	0.01	(*)	0.02	Q	(*)	0.01	32.0
LPG	0.38	0.06	0.06	0.07	0.04	0.03	0.13	17.6
Wood	0.37	0.03	0.06	0.07	0.04	0.05	0.12	18.1
Total (excludes primary electricity and wood)	9.86	1.43	1.45	1.48	1.19	1.39	2.92	4.5
Physical Units								
Physical Units of Total Consumption, Fuels Used:								
Electricity (billion kWh)	1,140	198	229	225	132	135	221	4.7
Natural Gas (billion cf)	4,708	645	551	551	594	732	1,635	6.9
Fuel Oil (million gallons)	5,105	173	321	486	630	1,034	2,461	17.8
Kerosene (million gallons)	348	66	34	121	Q	24	68	32.0
LPG (million gallons)	4,121	620	619	719	420	286	1,457	17.6
Wood (million cords)	18.7	1.5	3.0	3.7	2.1	2.4	6.0	18.1
Million Btu per Household³								
Total Btu Consumption per Household, Fuels Used:								
Electricity								
Primary	108.7	130.9	127.9	122.1	97.8	97.2	85.0	2.9
Site	36.4	43.8	42.8	40.8	32.7	32.5	28.4	2.9
Natural Gas	72.4	70.9	64.3	63.0	64.6	72.9	84.3	3.5
Fuel Oil	81.7	77.8	91.4	77.3	68.3	79.0	87.5	7.2
Kerosene	16.1	21.3	13.5	23.2	Q	11.4	11.6	26.1
LPG	40.2	41.1	36.6	37.5	34.2	26.3	51.6	10.8
Wood	25.9	14.8	20.0	23.0	21.1	27.6	48.5	14.9
Total (excludes primary electricity and wood)	92.2	92.5	79.7	79.0	86.5	97.9	109.8	2.4

See footnotes at end of table.

Table CE1-2c. Total Energy Consumption in U.S. Households by Year of Construction, 2001 (Continued)

	Total	Year of Construction						RSE Row Factors
		1990 to 2001 ¹	1980 to 1989	1970 to 1979	1960 to 1969	1950 to 1959	1949 or Before	
RSE Column Factor:	0.5	1.6	1.1	1.0	1.1	1.1	0.9	
Physical Units per Household³								
Physical Units of Total Consumption per Household, Fuels Used:								
Electricity (kWh)	10,656	12,827	12,534	11,971	9,586	9,533	8,332	2.9
Natural Gas (thousand cf)	70	69	63	61	63	71	82	3.5
Fuel Oil (gallons)	589	561	659	557	493	570	631	7.2
Kerosene (gallons)	119	157	100	172	Q	84	86	26.1
LPG (gallons)	440	450	401	411	374	288	565	10.8
Wood (cords)	1.3	0.7	1.0	1.2	1.1	1.4	2.4	14.9
Million Households								
Number of Households, Where the End Use Is:								
Space Heating ⁴	105.3	15.4	18.1	18.5	13.4	13.8	26.2	4.3
Electric Air-Conditioning ⁵	80.8	13.4	15.8	14.2	10.1	10.2	17.1	4.7
Water Heating ⁶	106.7	15.4	18.2	18.7	13.7	14.2	26.4	4.3
Refrigerators	106.8	15.5	18.2	18.7	13.8	14.1	26.5	4.3
Appliances	107.0	15.5	18.2	18.8	13.8	14.2	26.6	4.3
Quadrillion Btu^a								
Total Btu Consumption, Where the End Use Is:								
Space Heating	4.62	0.54	0.53	0.60	0.55	0.69	1.70	5.3
Electric Air-Conditioning	0.62	0.13	0.14	0.13	0.07	0.07	0.09	7.0
Water Heating	1.68	0.27	0.27	0.25	0.21	0.24	0.44	4.6
Refrigerators	0.53	0.08	0.10	0.10	0.07	0.07	0.12	4.5
Other Appliances and Lighting	2.40	0.41	0.41	0.40	0.29	0.31	0.58	4.7
Million Btu per Household^{3,a}								
Total Btu Consumption per Household, Where the End Use Is:								
Space Heating	43.9	35.2	29.4	32.6	41.3	50.4	64.9	3.6
Electric Air-Conditioning	7.7	9.7	9.0	8.9	6.9	6.7	5.1	5.2
Water Heating	15.8	17.3	14.8	13.6	15.6	16.8	16.6	2.7
Refrigerators	5.0	5.1	5.3	5.3	4.8	5.1	4.5	2.6
Other Appliances and Lighting	22.5	26.7	22.7	21.4	20.9	22.2	21.6	2.7

¹ New construction for 2001 includes only those housing units built and occupied between January and the April-August period when the household interviews were conducted.

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.

(*) = 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: • 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.