

**Table CE1-2e. Total Energy Expenditures 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	1.2	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
Billion Dollars								
Total Expenditures, Fuels Used:								
Electricity	100.34	16.90	19.37	18.99	12.09	12.34	20.65	4.6
Natural Gas	46.98	6.54	5.53	5.28	6.00	7.15	16.47	7.3
Fuel Oil	6.31	0.21	0.40	0.61	0.77	1.29	3.04	18.0
Kerosene	0.52	0.10	0.05	0.18	Q	0.04	0.11	31.9
LPG	5.60	0.84	0.88	0.97	0.57	0.43	1.91	16.7
Total	159.74	24.59	26.22	26.03	19.48	21.25	42.18	4.4
Dollars per Household³								
Total Expenditures per Household, Fuels Used:								
Electricity	938	1,093	1,062	1,012	878	871	778	2.8
Natural Gas	702	699	630	587	633	692	825	3.8
Fuel Oil	737	750	813	736	600	721	780	7.3
Kerosene	178	232	145	251	Q	134	138	25.8
LPG	605	618	576	560	524	450	740	9.2
Total	1,493	1,591	1,438	1,388	1,414	1,500	1,586	2.3
Dollars per Million Btu³								
Average Price of Btu Consumption, Fuels Used:								
Electricity	25.80	24.98	24.84	24.79	26.84	26.78	27.34	1.4
Natural Gas	9.70	9.86	9.76	9.32	9.81	9.49	9.79	2.2
Fuel Oil	8.91	8.78	8.89	8.99	8.79	8.98	8.92	1.9
Kerosene	11.09	10.91	10.74	10.79	10.72	11.78	11.91	4.2
LPG	14.87	14.87	15.50	14.80	14.83	16.57	14.33	3.6
Total	16.19	17.20	18.05	17.56	16.34	15.32	14.44	1.4

See footnotes at end of table.

Table CE1-2e. Total Energy Expenditures 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	1.2	1.1	0.9	
Price per Physical Unit³								
Average Price of Physical Units of Consumption, Fuels Used:								
Electricity (cents per kWh)	8.8	8.5	8.5	8.5	9.2	9.1	9.3	1.4
Natural Gas (dollars per thousand cf)	9.98	10.14	10.04	9.59	10.09	9.77	10.08	2.2
Fuel Oil (dollars per gallon)	1.24	1.22	1.23	1.25	1.22	1.25	1.24	1.9
Kerosene (dollars per gallon)	1.50	1.47	1.45	1.46	1.45	1.59	1.61	4.2
LPG (dollars per gallon)	1.36	1.36	1.42	1.35	1.36	1.51	1.31	3.6
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	4.2
Appliances	107.0	15.5	18.2	18.8	13.8	14.2	26.6	4.3
Billion Dollars^a								
Total Expenditures, Where the End Use Is:								
Space Heating	50.53	6.23	6.66	7.22	6.03	7.00	17.38	5.1
Electric Air-Conditioning	15.94	3.33	3.56	3.17	1.84	1.75	2.30	7.2
Water Heating	21.61	3.47	3.86	3.68	2.59	2.84	5.18	4.4
Refrigerators	14.38	2.01	2.47	2.54	1.88	2.01	3.48	4.6
Other Appliances and Lighting	57.28	9.55	9.67	9.42	7.14	7.65	13.84	4.6
Dollars per Household^{3,a}								
Total Expenditures per Household, Where the End Use Is:								
Space Heating	480	405	368	391	449	508	664	3.2
Electric Air-Conditioning	197	249	225	224	181	172	134	5.4
Water Heating	203	225	212	196	189	200	196	2.3
Refrigerators	135	130	136	135	136	142	131	2.8
Other Appliances and Lighting	535	618	530	502	518	540	520	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.

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.