

Table CE2-2e. Space-Heating 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	1.5	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
No Space Heating	1.0	Q	Q	Q	0.2	0.3	Q	22.9
Space Heating	106.0	15.4	18.2	18.6	13.6	13.9	26.4	4.4
Not Using a Major Fuel ²	0.7	Q	Q	Q	Q	Q	0.2	38.4
Using a Major Fuel ²	105.3	15.4	18.1	18.5	13.4	13.8	26.2	4.4
For Main Space Heating	103.8	15.2	17.8	18.1	13.2	13.6	25.8	4.4
For Secondary Space Heating Only	1.5	0.1	0.3	0.4	Q	Q	0.4	25.0
Number of Households with Space Heating, Major Fuels Used (more than one may apply):								
Electricity	43.8	6.8	10.3	10.1	4.7	4.4	7.5	6.2
Natural Gas	60.5	8.7	7.7	8.0	8.6	9.5	17.9	6.3
Fuel Oil	8.5	0.3	0.4	0.9	1.3	1.8	3.8	15.6
Kerosene	2.7	0.4	0.3	0.6	0.3	0.2	0.7	21.7
LPG	6.6	1.2	1.2	1.2	0.8	0.5	1.8	17.0
Billion Dollars^a								
Space-Heating Expenditures, Major Fuels Used:								
Electricity	8.98	1.34	2.22	2.48	0.96	0.74	1.25	8.8
Natural Gas	31.84	4.02	3.46	3.44	3.97	4.90	12.05	7.8
Fuel Oil	5.17	0.15	0.27	0.46	0.61	1.09	2.59	18.4
Kerosene	0.49	0.09	0.05	0.17	Q	0.04	0.09	32.5
LPG	4.04	0.63	0.66	0.68	0.44	0.24	1.40	19.2
Total	50.53	6.23	6.66	7.22	6.03	7.00	17.38	5.1
Dollars per Household^a								
Average Space-Heating Expenditures per Household								
Using a Major Fuel ²	480	405	368	391	449	508	664	3.2
For Main Space Heating	484	408	370	396	453	511	670	3.3
For Secondary Space Heating Only	216	175	276	164	Q	Q	266	24.4
Million Households								
Number of Households, Where the Main Space-Heating Fuel Is:								
Electricity	30.9	5.5	9.0	8.4	3.0	2.2	2.8	8.2
Natural Gas	59.1	8.5	7.3	7.8	8.5	9.2	17.7	6.4
Fuel Oil	8.0	0.2	0.4	0.8	1.1	1.8	3.7	15.8
Kerosene	0.8	Q	Q	0.3	Q	Q	Q	29.6
LPG	4.9	0.8	0.9	0.8	0.6	0.4	1.5	19.3
Other	2.2	0.2	0.4	0.5	0.3	0.2	0.6	23.8
No Space Heating	1.0	Q	Q	Q	0.2	0.3	Q	22.9

See footnotes at end of table.

Table CE2-2e. Space-Heating Energy Expenditures in U.S. Households by Year of Construction, 2001 (Continued)

	Year of Construction						RSE Row Factors	
	Total	1990 to 2001 ¹	1980 to 1989	1970 to 1979	1960 to 1969	1950 to 1959		1949 or Before
RSE Column Factor:	0.5	1.5	1.1	1.0	1.2	1.1	0.9	
Dollars per Household^{4,a}								
Space-Heating Expenditures per Household,³ Where the Main Space-Heating Fuel Is:								
Electricity	271	232	241	286	296	286	366	5.8
Natural Gas	530	464	451	431	463	520	675	4.2
Fuel Oil	630	601	604	563	525	617	687	8.7
Kerosene	411	Q	Q	389	Q	Q	Q	22.7
LPG	713	666	587	697	698	536	866	8.1
2001 Heating Degree-Days (HDD) per Household⁴								
2001 Heating Degree-Days per Household, Where the Main Space-Heating Fuel Is:								
Electricity	3,006	3,121	2,799	3,080	2,802	2,761	3,641	5.2
Natural Gas	4,255	3,931	4,260	4,058	4,060	4,096	4,673	3.1
Fuel Oil	5,339	6,260	6,060	5,433	4,968	5,167	5,362	4.7
Kerosene	4,636	Q	Q	4,482	Q	Q	Q	10.9
LPG	4,643	5,309	4,256	4,685	4,261	4,211	4,752	7.9
Average for All Heated Households	4,004	3,776	3,588	3,726	3,880	4,014	4,680	2.5
Heated Square Footage (HSF) per Household⁴								
Heated Square Footage per Household, Where the Main Space-Heating Fuel Is:								
Electricity	1,399	1,607	1,422	1,313	1,412	1,348	1,196	6.0
Natural Gas	1,836	2,510	2,077	1,650	1,584	1,750	1,657	3.4
Fuel Oil	2,043	3,225	2,057	2,251	1,901	2,106	1,931	8.2
Kerosene	1,076	Q	Q	1,039	Q	Q	Q	14.8
LPG	1,570	1,953	1,671	1,577	1,549	1,513	1,332	9.8
Average for All Heated Households	1,707	2,155	1,731	1,524	1,559	1,721	1,628	2.9
Space-Heating Intensity^{4,a} [Cents÷{HDD×(HSF÷1000)}]								
Space-Heating Intensity, Where the Main Space-Heating Fuel Is:								
Electricity	6.45	4.62	6.05	7.07	7.49	7.69	8.41	5.7
Natural Gas	6.78	4.70	5.10	6.43	7.20	7.26	8.72	4.3
Fuel Oil	5.78	2.98	4.85	4.60	5.56	5.67	6.64	9.3
Kerosene	8.24	Q	Q	8.35	Q	Q	Q	21.5
LPG	9.78	6.42	8.25	9.43	10.58	8.41	13.69	11.9

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

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

⁴ 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.