

Table CE2-10e. Space-Heating Energy Expenditures in U.S. Households by Midwest Census Region, 2001

	Total U.S.	Midwest Census Region			RSE Row Factors
		Total	Census Division		
			East North Central	West North Central	
		RSE Column Factor:	0.6	1.0	
Million Households					
Total U.S. Households	107.0	24.5	17.1	7.4	NE
No Space Heating	1.0	Q	Q	Q	17.7
Space Heating	106.0	24.5	17.1	7.4	NE
Not Using a Major Fuel ¹	0.7	Q	Q	Q	35.0
Using a Major Fuel ¹	105.3	24.4	17.0	7.3	NE
For Main Space Heating	103.8	24.1	16.9	7.2	0.7
For Secondary Space Heating Only	1.5	0.3	Q	Q	29.5
Number of Households with Space Heating, Major Fuels Used (more than one may apply):					
Electricity	43.8	6.2	4.0	2.1	7.2
Natural Gas	60.5	19.1	14.0	5.2	4.2
Fuel Oil	8.5	0.9	0.5	0.4	15.2
Kerosene	2.7	0.5	0.4	Q	14.9
LPG	6.6	2.0	1.0	1.0	23.2
Billion Dollars^a					
Space-Heating Expenditures, Major Fuels Used:					
Electricity	8.98	1.21	0.75	0.46	13.8
Natural Gas	31.84	11.78	8.69	3.08	5.9
Fuel Oil	5.17	0.52	0.28	0.24	19.6
Kerosene	0.49	0.04	Q	Q	35.5
LPG	4.04	1.51	0.78	0.73	24.0
Total	50.53	15.06	10.53	4.53	3.0
Dollars per Household^a					
Average Space-Heating Expenditures per Household					
Using a Major Fuel ¹	480	618	619	617	3.0
For Main Space Heating	484	622	621	623	3.0
For Secondary Space Heating Only	216	294	Q	Q	19.3
Million Households					
Number of Households, Where the Main Space-Heating Fuel Is:					
Electricity	30.9	2.5	1.7	0.8	13.6
Natural Gas	59.1	18.9	13.8	5.1	4.5
Fuel Oil	8.0	0.8	0.4	0.4	14.1
Kerosene	0.8	Q	Q	Q	31.3
LPG	4.9	1.8	0.9	0.9	23.8
Other	2.2	0.4	Q	0.2	29.9
No Space Heating	1.0	Q	Q	Q	17.7

See footnotes at end of table.

Table CE2-10e. Space-Heating Energy Expenditures in U.S. Households by Midwest Census Region, 2001 (Continued)

	Midwest Census Region				RSE Row Factors
	Total U.S.	Census Division			
		Total	East North Central	West North Central	
RSE Column Factor:	0.6	1.0	1.2	1.5	
Dollars per Household^{3,a}					
Space-Heating Expenditures per Household,² Where the Main Space-Heating Fuel Is:					
Electricity	271	420	388	486	6.2
Natural Gas	530	617	625	597	3.7
Fuel Oil	630	619	589	656	12.5
Kerosene	411	Q	Q	Q	19.7
LPG	713	790	820	760	4.5
2001 Heating Degree-Days (HDD) per Household³					
2001 Heating Degree-Days per Household, Where the Main Space-Heating Fuel Is:					
Electricity	3,006	5,578	5,751	5,222	3.5
Natural Gas	4,255	5,772	5,738	5,864	2.2
Fuel Oil	5,339	6,827	6,402	7,339	4.3
Kerosene	4,636	Q	Q	Q	11.5
LPG	4,643	6,137	6,114	6,160	5.6
Average for All Heated Households	4,004	5,816	5,788	5,881	2.1
Heated Square Footage (HSF) per Household³					
Heated Square Footage per Household, Where the Main Space-Heating Fuel Is:					
Electricity	1,399	1,481	1,289	1,877	10.1
Natural Gas	1,836	2,080	2,070	2,110	3.2
Fuel Oil	2,043	1,959	2,067	1,828	9.5
Kerosene	1,076	Q	Q	Q	15.5
LPG	1,570	1,800	1,772	1,829	4.8
Average for All Heated Households	1,707	1,997	1,985	2,024	2.7
Space-Heating Intensity^{3,a} [Cents÷{HDD×(HSF÷1000)}]					
Space-Heating Intensity, Where the Main Space-Heating Fuel Is:					
Electricity	6.45	5.08	5.23	4.96	8.2
Natural Gas	6.78	5.14	5.26	4.83	4.1
Fuel Oil	5.78	4.63	4.45	4.89	11.3
Kerosene	8.24	Q	Q	Q	20.6
LPG	9.78	7.15	7.57	6.75	7.8

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

² 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.

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.

NE = RSE row factor not estimated because RSE's for all statistics in this row are between 0.0 and 1.0 percent.

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.