

**Table CE1-10c. Total Energy Consumption in U.S. Households by Midwest Census Region, 2001**

	Midwest Census Region				RSE Row Factors
	Total U.S.	Census Division			
		Total	East North Central	West North Central	
			0.5	1.0	
RSE Column Factor:	0.5	1.0	1.2	1.5	
<b>Million Households</b>					
<b>Total U.S. Households</b> .....	107.0	24.5	17.1	7.4	NE
<b>Number of Households, Fuels Used (more than one may apply):</b>					
Electricity <sup>1</sup> .....	107.0	24.5	17.1	7.4	NE
Natural Gas .....	66.9	19.4	14.2	5.2	3.9
Fuel Oil .....	8.7	0.9	0.5	0.4	15.2
Kerosene .....	2.9	0.5	0.4	Q	14.6
LPG .....	9.4	2.3	1.1	1.2	22.0
Wood .....	14.5	2.5	1.4	1.1	13.1
<b>Quadrillion Btu</b>					
<b>Total Btu Consumption, Fuels Used:</b>					
Electricity					
Primary .....	11.63	2.43	1.60	0.83	2.5
Site .....	3.89	0.81	0.54	0.28	2.5
Natural Gas .....	4.84	1.84	1.39	0.44	5.0
Fuel Oil .....	0.71	0.06	0.03	0.03	18.8
Kerosene .....	0.05	(*)	Q	Q	35.4
LPG .....	0.38	0.15	0.07	0.08	23.3
Wood .....	0.37	0.09	0.06	0.03	27.7
Total (excludes primary electricity and wood) .....	9.86	2.86	2.03	0.83	2.2
<b>Physical Units</b>					
<b>Physical Units of Total Consumption, Fuels Used:</b>					
Electricity (billion kWh) .....	1,140	238	157	81	2.5
Natural Gas (billion cf) .....	4,708	1,784	1,352	432	5.0
Fuel Oil (million gallons) .....	5,105	437	234	203	18.9
Kerosene (million gallons) .....	348	23	Q	Q	35.4
LPG (million gallons) .....	4,121	1,607	767	840	23.3
Wood (million cords) .....	18.7	4.6	3.0	1.6	27.7
<b>Million Btu per Household<sup>2</sup></b>					
<b>Total Btu Consumption per Household, Fuels Used:</b>					
Electricity					
Primary .....	108.7	99.2	93.9	111.5	2.5
Site .....	36.4	33.2	31.4	37.3	2.5
Natural Gas .....	72.4	94.7	98.2	85.0	2.8
Fuel Oil .....	81.7	68.4	63.3	75.4	11.0
Kerosene .....	16.1	6.5	Q	Q	30.0
LPG .....	40.2	63.7	63.4	63.9	7.2
Wood .....	25.9	36.7	42.3	29.3	18.4
Total (excludes primary electricity and wood) .....	92.2	116.7	118.9	111.6	2.2

See footnotes at end of table.

**Table CE1-10c. Total Energy Consumption 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	
			0.5	1.0	
RSE Column Factor:					
<b>Physical Units per Household<sup>2</sup></b>					
<b>Physical Units of Total Consumption per Household, Fuels Used:</b>					
Electricity (kWh) .....	10,656	9,727	9,206	10,930	2.5
Natural Gas (thousand cf) .....	70	92	95	83	2.8
Fuel Oil (gallons) .....	589	494	456	546	11.0
Kerosene (gallons) .....	119	48	Q	Q	30.0
LPG (gallons) .....	440	697	694	700	7.2
Wood (cords) .....	1.3	1.8	2.1	1.5	18.4
<b>Million Households</b>					
<b>Number of Households, Where the End Use Is:</b>					
Space Heating <sup>3</sup> .....	105.3	24.4	17.0	7.3	NE
Electric Air-Conditioning <sup>4</sup> .....	80.8	20.2	13.4	6.7	2.3
Water Heating <sup>5</sup> .....	106.7	24.5	17.1	7.4	NE
Refrigerators .....	106.8	24.5	17.1	7.4	NE
Appliances .....	107.0	24.5	17.1	7.4	NE
<b>Quadrillion Btu<sup>a</sup></b>					
<b>Total Btu Consumption, Where the End Use Is:</b>					
Space Heating .....	4.62	1.63	1.18	0.45	3.1
Electric Air-Conditioning .....	0.62	0.10	0.06	0.04	5.2
Water Heating .....	1.68	0.43	0.30	0.12	2.6
Refrigerators .....	0.53	0.12	0.08	0.04	2.1
Other Appliances and Lighting .....	2.40	0.58	0.41	0.17	2.1
<b>Million Btu per Household<sup>2,a</sup></b>					
<b>Total Btu Consumption per Household, Where the End Use Is:</b>					
Space Heating .....	43.9	66.8	69.3	61.2	3.0
Electric Air-Conditioning .....	7.7	5.1	4.6	6.0	4.3
Water Heating .....	15.8	17.4	17.7	16.8	2.6
Refrigerators .....	5.0	4.9	4.8	5.2	2.1
Other Appliances and Lighting .....	22.5	23.7	23.9	23.4	2.1

<sup>1</sup> The RECS cannot be used to accurately estimate the number of households that do not use electricity.  
<sup>2</sup> 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.  
<sup>3</sup> Households where the main or secondary space-heating fuel is electricity, natural gas, fuel oil, kerosene, or LPG.  
<sup>4</sup> 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.  
<sup>5</sup> Households where the main or secondary water-heating fuel is electricity, natural gas, fuel oil, kerosene, or LPG.  
<sup>a</sup> 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.  
 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.