

**Table CE1-1e. Total Energy Expenditures in U.S. Households by Climate Zone, 2001**

	Climate Zone <sup>1</sup>						RSE Row Factors
	Total	Fewer than 2,000 CDD and --				2,000 CDD or More and Fewer than 4,000 HDD	
		More than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	Fewer than 4,000 HDD		
		RSE Column Factor:	0.4	1.7	1.1	1.1	
<b>Million Households</b>							
<b>Total U.S. Households</b> .....	107.0	9.2	28.6	24.0	21.0	24.1	7.9
<b>Number of Households, Fuels Used (more than one may apply):</b>							
Electricity <sup>2</sup> .....	107.0	9.2	28.6	24.0	21.0	24.1	7.9
Natural Gas .....	66.9	4.9	21.2	14.9	13.8	12.1	8.6
Fuel Oil .....	8.7	1.8	2.9	3.7	Q	Q	16.9
Kerosene .....	2.9	0.4	0.7	0.7	0.8	0.3	21.6
LPG .....	9.4	1.6	2.2	1.9	2.1	1.5	20.9
Wood .....	14.5	2.0	3.1	2.9	3.4	3.0	13.1
<b>Billion Dollars</b>							
<b>Total Expenditures, Fuels Used:</b>							
Electricity .....	100.34	7.31	22.84	21.54	19.40	29.24	7.3
Natural Gas .....	46.98	3.58	18.14	11.21	8.13	5.92	10.4
Fuel Oil .....	6.31	1.51	2.38	2.32	Q	Q	19.4
Kerosene .....	0.52	0.11	0.12	0.13	0.14	Q	32.6
LPG .....	5.60	0.93	1.65	1.19	1.07	0.75	23.7
Total .....	159.74	13.45	45.13	36.39	28.83	35.95	7.0
<b>Dollars per Household<sup>3</sup></b>							
<b>Total Expenditures per Household, Fuels Used:</b>							
Electricity .....	938	791	797	897	924	1,215	2.9
Natural Gas .....	702	728	856	751	588	490	4.1
Fuel Oil .....	728	821	836	634	Q	Q	6.4
Kerosene .....	178	270	188	173	170	Q	22.0
LPG .....	598	602	741	613	506	494	9.8
Total .....	1,493	1,454	1,576	1,514	1,373	1,493	2.6
<b>Dollars per Million Btu<sup>3</sup></b>							
<b>Average Price of Btu Consumption, Fuels Used:</b>							
Electricity .....	25.80	23.92	25.88	25.42	26.77	25.90	2.6
Natural Gas .....	9.70	8.37	9.10	10.32	11.07	9.80	2.5
Fuel Oil .....	8.91	8.96	9.00	8.79	Q	Q	1.7
Kerosene .....	11.09	10.90	11.11	11.55	11.01	10.10	4.1
LPG .....	14.87	13.40	14.15	14.87	16.56	16.62	4.3
Total .....	16.19	13.70	13.81	15.90	18.65	20.18	1.7

See footnotes at end of table.

**Table CE1-1e. Total Energy Expenditures in U.S. Households by Climate Zone, 2001 (Continued)**

	Climate Zone <sup>1</sup>						RSE Row Factors
	Total	Fewer than 2,000 CDD and --				2,000 CDD or More and Fewer than 4,000 HDD	
		More than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	Fewer than 4,000 HDD		
RSE Column Factor:	0.4	1.7	1.1	1.1	1.2	1.1	
<b>Price per Physical Unit<sup>3</sup></b>							
<b>Average Price of Physical Units of Consumption, Fuels Used:</b>							
Electricity (cents per kWh) .....	8.8	8.2	8.8	8.7	9.1	8.8	2.6
Natural Gas (dollars per thousand cf) ..	9.98	8.61	9.37	10.62	11.39	10.08	2.5
Fuel Oil (dollars per gallon) .....	1.24	1.24	1.25	1.22	Q	Q	1.7
Kerosene (dollars per gallon) .....	1.50	1.47	1.50	1.56	1.49	1.36	4.2
LPG (dollars per gallon) .....	1.36	1.22	1.29	1.36	1.51	1.52	4.3
<b>Million Households</b>							
<b>Number of Households, Where the End Use Is:</b>							
Space Heating <sup>4</sup> .....	105.3	9.1	28.5	23.7	20.4	23.5	8.0
Electric Air-Conditioning <sup>5</sup> .....	80.8	5.3	20.5	19.9	13.4	21.8	8.2
Water Heating <sup>6</sup> .....	106.7	9.2	28.6	24.0	20.9	24.0	7.9
Refrigerators .....	106.8	9.2	28.6	24.0	20.9	24.1	7.9
Appliances .....	107.0	9.2	28.6	24.0	21.0	24.1	7.9
<b>Billion Dollars<sup>a</sup></b>							
<b>Total Expenditures, Where the End Use Is:</b>							
Space Heating .....	50.53	5.42	18.68	13.11	7.53	5.78	8.5
Electric Air-Conditioning .....	15.94	0.45	2.19	2.85	2.68	7.78	9.7
Water Heating .....	21.61	1.79	5.62	4.79	4.39	5.02	7.0
Refrigerators .....	14.38	1.06	3.50	3.09	2.78	3.94	6.9
Other Appliances and Lighting .....	57.28	4.71	15.14	12.55	11.45	13.43	6.9
<b>Dollars per Household<sup>3,a</sup></b>							
<b>Total Expenditures per Household, Where the End Use Is:</b>							
Space Heating .....	480	595	656	553	368	246	4.0
Electric Air-Conditioning .....	197	86	107	143	200	357	4.7
Water Heating .....	203	196	196	200	210	209	2.6
Refrigerators .....	135	115	122	129	133	164	2.8
Other Appliances and Lighting .....	535	510	529	522	545	558	2.8

<sup>1</sup> One of five climatically distinct areas, determined according to the 30-year average (1961-1990) of the annual heating and cooling degree-days. For this report, the heating or cooling degree-days are a measure of how cold or how hot a location is over a period of one year, relative to a base temperature of 65 degrees Fahrenheit. A household is assigned to a climate zone according to the 30-year average annual degree-days for an appropriate nearby weather station.

<sup>2</sup> The RECS cannot be used to accurately estimate the number of households that do not use electricity.

<sup>3</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>4</sup> Households where the main or secondary space-heating fuel is electricity, natural gas, fuel oil, kerosene, or LPG.

<sup>5</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>6</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.

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.