

**Table CE4-3e. Water-Heating Energy Expenditures in U.S. Households by Household Income, 2001**

	Total	2001 Household Income				Below Poverty Line	Eligible for Federal Assistance <sup>1</sup>	RSE Row Factors
		Less than \$10,000	\$10,000 to \$29,999	\$30,000 to \$49,999	\$50,000 or More			
RSE Column Factor:	0.6	1.6	1.0	0.9	0.8	1.5	1.0	
<b>Million Households</b>								
<b>Total U.S. Households</b> .....	107.0	11.0	30.6	27.1	38.3	15.0	33.8	3.3
No Water Heating .....	Q	Q	Q	Q	Q	Q	Q	NF
Water Heating .....	106.9	11.0	30.5	27.1	38.3	14.9	33.7	3.3
Not Using a Major Fuel <sup>2</sup> .....	0.2	Q	Q	Q	Q	Q	Q	71.3
Using a Major Fuel <sup>2</sup> .....	106.7	11.0	30.5	27.0	38.2	14.9	33.7	3.3
For Main Water Heating .....	106.5	11.0	30.4	27.0	38.1	14.9	33.7	3.3
<b>Number of Households with Water Heating, Major Fuels Used:</b>								
Electricity .....	41.6	4.7	13.4	10.8	12.7	6.4	14.3	6.0
Natural Gas .....	58.2	5.6	15.5	14.1	23.0	7.9	17.7	5.2
Fuel Oil .....	4.7	0.4	1.1	1.3	2.0	0.4	1.1	15.5
LPG .....	3.0	0.3	0.9	1.0	0.8	0.4	0.9	19.4
<b>Billion Dollars<sup>a</sup></b>								
<b>Water-Heating Expenditures, Major Fuels Used:</b>								
Electricity .....	8.47	0.69	2.38	2.27	3.13	1.13	2.69	6.2
Natural Gas .....	11.31	0.83	2.61	2.71	5.16	1.26	3.04	6.0
Fuel Oil .....	1.14	0.08	0.21	0.29	0.55	0.09	0.26	17.0
LPG .....	0.69	0.02	0.21	0.25	0.20	0.06	0.20	21.2
Total <sup>3</sup> .....	21.61	1.63	5.41	5.52	9.05	2.54	6.20	3.5
<b>Dollars per Household<sup>5,a</sup></b>								
<b>Average Water-Heating Expenditures per Household</b>								
Using a Major Fuel <sup>2</sup> .....	203	149	177	204	237	170	184	1.9
For Main Water Heating .....	203	149	178	205	238	170	184	1.9
<b>Million Households</b>								
<b>Number of Households, Where the Main Water-Heating Fuel Is:</b>								
Electricity .....	40.8	4.7	13.1	10.6	12.4	6.2	14.0	6.0
Natural Gas .....	58.0	5.6	15.4	14.1	23.0	7.8	17.6	5.2
Fuel Oil .....	4.6	0.4	1.0	1.3	1.9	0.4	1.1	15.9
LPG .....	2.9	0.3	0.9	1.0	0.8	0.4	0.9	19.5
Does Not Heat Water .....	Q	Q	Q	Q	Q	Q	Q	NF
<b>Dollars per Household<sup>5,a</sup></b>								
<b>Water-Heating Expenditures per Household,<sup>4</sup> Where the Main Water-Heating Fuel Is:</b>								
Electricity .....	208	149	182	213	253	182	191	2.7
Natural Gas .....	194	146	169	192	224	160	172	2.9
Fuel Oil .....	243	222	195	228	283	212	250	6.9
LPG .....	233	89	233	259	250	140	220	9.3

See footnotes at end of table.

**Table CE4-3e. Water-Heating Energy Expenditures in U.S. Households by Household Income, 2001 (Continued)**

	Total	2001 Household Income				Below Poverty Line	Eligible for Federal Assistance <sup>1</sup>	RSE Row Factors
		Less than \$10,000	\$10,000 to \$29,999	\$30,000 to \$49,999	\$50,000 or More			
RSE Column Factor:	0.6	1.6	1.0	0.9	0.8	1.5	1.0	
<b>Number of Household Members (NHM) per Household<sup>5</sup></b>								
<b>Number of Household Members per Household, Where the Main Water-Heating Fuel Is:</b>								
Electricity .....	2.4	1.7	2.2	2.5	2.9	2.4	2.5	3.0
Natural Gas .....	2.7	2.0	2.4	2.7	3.0	2.8	2.8	2.6
Fuel Oil .....	2.4	2.1	1.7	2.5	2.8	2.3	2.5	7.2
LPG .....	2.6	1.3	2.5	2.8	2.9	2.5	2.7	10.7
<b>Water-Heating Intensity<sup>5,a</sup> (Dollars÷NHM)</b>								
<b>Water-Heating Intensity, Where the Main Water-Heating Fuel Is:</b>								
Electricity .....	85	85	82	87	87	77	78	2.7
Natural Gas .....	73	73	72	70	75	58	61	3.3
Fuel Oil .....	101	105	113	91	102	93	101	10.2
LPG .....	91	69	95	92	88	55	82	11.8

<sup>1</sup> Below 150 percent of poverty line or 60 percent of median State income.

<sup>2</sup> The major fuels are electricity, natural gas, fuel oil, kerosene, and liquefied petroleum gas (LPG).

<sup>3</sup> Includes a small amount of kerosene use for water heating.

<sup>4</sup> Includes only the water-heating expenditures of the water-heating fuel. Not included are: 1) the expenditures of the main water-heating fuel for uses other than water heating; 2) the expenditures of the main water-heating fuel where it is the secondary, and not the main, water-heating fuel, and; 3) the expenditures of other fuels that are used as secondary water-heating fuels.

<sup>5</sup> Averages are for those households using each of the main water-heating fuels.

<sup>a</sup> The row factor in this section is underestimated because it contains no error for estimating the end-use.

NF = No applicable RSE row factor.

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.