

**Table CE4-7e. Water-Heating Energy Expenditures in U.S. Households by Four Most Populated States, 2001**

	Four Most Populated States					RSE Row Factors
	Total U.S.	New York	California	Texas	Florida	
RSE Column Factor:						
<b>Million Households</b>						
<b>Total U.S. Households</b> .....	107.0	7.1	12.3	7.7	6.3	NE
No Water Heating .....	Q	Q	Q	Q	Q	NF
Water Heating .....	106.9	7.1	12.3	7.6	6.3	NE
Not Using a Major Fuel <sup>1</sup> .....	0.2	Q	Q	Q	Q	88.8
Using a Major Fuel <sup>1</sup> .....	106.7	7.0	12.2	7.6	6.3	NE
For Main Water Heating .....	106.5	7.0	12.1	7.6	6.3	1.1
<b>Number of Households with Water Heating, Major Fuels Used:</b>						
Electricity .....	41.6	0.9	2.3	3.0	5.2	7.9
Natural Gas .....	58.2	4.4	10.0	4.6	1.2	5.4
Fuel Oil .....	4.7	1.7	Q	Q	Q	13.9
LPG .....	3.0	Q	0.4	Q	Q	29.8
<b>Billion Dollars<sup>a</sup></b>						
<b>Water-Heating Expenditures, Major Fuels Used:</b>						
Electricity .....	8.47	0.23	0.36	0.65	1.12	11.5
Natural Gas .....	11.31	0.91	1.87	0.83	0.26	7.3
Fuel Oil .....	1.14	0.34	Q	Q	Q	13.2
LPG .....	0.69	Q	0.09	Q	Q	28.1
Total <sup>2</sup> .....	21.61	1.51	2.32	1.49	1.39	3.5
<b>Dollars per Household<sup>3,a</sup></b>						
<b>Average Water-Heating Expenditures per Household</b>						
Using a Major Fuel <sup>1</sup> .....	203	214	190	196	220	3.4
For Main Water Heating .....	203	214	190	196	221	3.5
<b>Million Households</b>						
<b>Number of Households, Where the Main Water-Heating Fuel Is:</b>						
Electricity .....	40.8	0.9	1.8	3.0	5.1	8.4
Natural Gas .....	58.0	4.4	9.9	4.5	1.2	5.5
Fuel Oil .....	4.6	1.6	Q	Q	Q	14.6
LPG .....	2.9	Q	0.4	Q	Q	29.8
Does Not Heat Water .....	Q	Q	Q	Q	Q	NF
<b>Dollars per Household<sup>3,a</sup></b>						
<b>Water-Heating Expenditures per Household,<sup>3</sup> Where the Main Water-Heating Fuel Is:</b>						
Electricity .....	208	261	202	214	220	5.7
Natural Gas .....	194	205	187	182	222	4.2
Fuel Oil .....	243	206	Q	Q	Q	6.2
LPG .....	233	Q	219	Q	Q	11.4

See footnotes at end of table.

**Table CE4-7e. Water-Heating Energy Expenditures in U.S. Households by Four Most Populated States, 2001 (Continued)**

	Total U.S.	Four Most Populated States				RSE Row Factors
		New York	California	Texas	Florida	
RSE Column Factor:	0.5	1.9	1.0	1.6	0.7	
<b>Number of Household Members (NHM) per Household<sup>3</sup></b>						
<b>Number of Household Members per Household, Where the Main Water-Heating Fuel Is:</b>						
Electricity .....	2.4	2.8	2.5	2.3	2.5	4.5
Natural Gas .....	2.7	2.5	3.1	3.0	2.7	2.7
Fuel Oil .....	2.4	2.3	Q	Q	Q	5.6
LPG .....	2.6	Q	2.4	Q	Q	11.7
<b>Water-Heating Intensity<sup>3,a</sup> (Dollars÷NHM)</b>						
<b>Water-Heating Intensity, Where the Main Water-Heating Fuel Is:</b>						
Electricity .....	85	93	83	95	89	4.0
Natural Gas .....	73	82	61	62	81	5.2
Fuel Oil .....	101	88	Q	Q	Q	8.2
LPG .....	91	Q	91	Q	Q	17.2

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

<sup>2</sup> Includes a small amount of kerosene use for water heating.

<sup>3</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>3</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.

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

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.