

**Table CE4-7c. Water-Heating Energy Consumption in U.S. Households by Four Most Populated States, 1997**

	Four Most Populated States					RSE Row Factors
	Total U.S.	New York	California	Texas	Florida	
	0.4	1.3	1.1	1.2	1.4	
<b>Million Households</b>						
<b>Total U.S. Households</b> .....	101.5	6.8	11.5	7.0	5.9	NF
No Water Heating .....	0.2	Q	Q	Q	Q	88.2
Water Heating .....	101.3	6.8	11.4	6.9	5.9	NF
Not Using a Major Fuel <sup>1</sup> .....	0.5	Q	Q	Q	Q	65.2
Using a Major Fuel <sup>1</sup> .....	100.8	6.8	11.4	6.9	5.8	NF
For Main Water Heating .....	100.6	6.8	11.4	6.9	5.7	0.9
<b>Number of Households with Water Heating, Major Fuels Used:</b>						
Electricity .....	40.2	1.0	2.0	2.4	4.7	10.4
Natural Gas .....	52.8	3.4	9.3	4.3	0.9	8.0
Fuel Oil .....	5.2	2.2	Q	Q	Q	15.2
Kerosene .....	Q	Q	Q	Q	Q	NF
LPG .....	3.2	0.2	0.3	0.2	Q	26.9
<b>Quadrillion Btu</b>						
<b>Water-Heating Btu Consumption, Major Fuels Used:</b>						
Electricity .....	0.39	0.01	0.01	0.03	0.04	12.6
Natural Gas .....	1.29	0.08	0.21	0.11	0.01	10.8
Fuel Oil .....	0.16	0.07	Q	Q	Q	15.3
Kerosene .....	Q	Q	Q	Q	Q	NF
LPG .....	0.08	0.01	0.01	0.01	Q	26.3
Total .....	1.92	0.17	0.24	0.14	0.06	4.2
<b>Physical Units</b>						
<b>Physical Units of Water-Heating Consumption, Major Fuels Used:</b>						
Electricity (billion kWh) .....	114	3	4	7	12	12.6
Natural Gas (billion cf) .....	1,260	80	208	109	14	10.8
Fuel Oil (million gallons) .....	1,139	523	Q	Q	Q	15.3
Kerosene (million gallons) .....	Q	Q	Q	Q	Q	NF
LPG (million gallons) .....	847	65	84	65	Q	26.3
<b>Million Btu per Household</b>						
<b>Average Water-Heating Btu Consumption per Household</b>						
Using a Major Fuel <sup>1</sup> .....	19.0	25.1	20.7	20.5	9.8	4.2
For Main Water Heating .....	19.1	25.1	20.7	20.5	9.8	4.2

See footnotes at end of table.

**Table CE4-7c. Water-Heating Energy Consumption in U.S. Households by Four Most Populated States, 1997 (Continued)**

	Total U.S.	Four Most Populated States				RSE Row Factors
		New York	California	Texas	Florida	
RSE Column Factor:	0.4	1.3	1.1	1.2	1.4	
<b>Million Households</b>						
<b>Number of Households, Where the Main Water-Heating Fuel Is:</b>						
Electricity .....	39.6	1.0	1.8	2.4	4.7	10.8
Natural Gas .....	52.6	3.3	9.3	4.3	0.9	8.0
Fuel Oil .....	5.1	2.2	Q	Q	Q	15.2
Kerosene .....	Q	Q	Q	Q	Q	NF
LPG .....	3.1	0.2	0.3	0.2	Q	27.0
No Water Heating .....	0.2	Q	Q	Q	Q	88.2
<b>Million Btu per Household<sup>3</sup></b>						
<b>Water-Heating Btu Consumption per Household,<sup>2</sup> Where the Main Water-Heating Fuel Is:</b>						
Electricity .....	9.8	9.2	8.0	10.4	8.8	4.1
Natural Gas .....	24.6	24.7	22.9	26.0	15.2	4.2
Fuel Oil .....	30.6	33.2	Q	Q	Q	4.4
Kerosene .....	Q	Q	Q	Q	Q	NF
LPG .....	24.4	28.6	25.0	25.2	Q	11.4
<b>Physical Units (PU) per Household<sup>3</sup></b>						
<b>Physical Units of Water-Heating Consumption per Household,<sup>2</sup> Where the Main Water-Heating Fuel Is:</b>						
Electricity (kWh) .....	2,871	2,696	2,349	3,049	2,568	4.1
Natural Gas (thousand cf) .....	24	24	22	25	15	4.2
Fuel Oil (gallons) .....	221	240	Q	Q	Q	4.4
Kerosene (gallons) .....	Q	Q	Q	Q	Q	NF
LPG (gallons) .....	267	313	273	275	Q	11.4
<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 .....	2.5	2.4	2.6	2.4	2.6	3.8
Natural Gas .....	2.7	2.5	2.8	3.0	2.4	4.7
Fuel Oil .....	2.4	2.5	Q	Q	Q	2.9
Kerosene .....	Q	Q	Q	Q	Q	NF
LPG .....	2.6	2.6	2.8	3.2	Q	13.7

See footnotes at end of table.

**Table CE4-7c. Water-Heating Energy Consumption in U.S. Households by Four Most Populated States, 1997 (Continued)**

	Total U.S.	Four Most Populated States				RSE Row Factors
		New York	California	Texas	Florida	
RSE Column Factor:	0.4	1.3	1.1	1.2	1.4	
<b>Water-Heating Intensity (PU÷NHM)<sup>3</sup></b>						
<b>Water-Heating Intensity, Where the Main Water-Heating Fuel Is:</b>						
Electricity .....	1,169	1,105	910	1,247	1,006	4.0
Natural Gas .....	8.8	9.8	7.9	8.3	6.1	4.4
Fuel Oil .....	90	98	Q	Q	Q	6.2
Kerosene .....	Q	Q	Q	Q	Q	NF
LPG .....	103	118	99	87	Q	14.3

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

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

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 1997 Residential Energy Consumption Survey.