

Table CE4-7c. Water-Heating Energy Consumption in U.S. Households by Four Most Populated States, 2001

| | Total U.S. | Four Most Populated States | | | | RSE Row Factors |
|-----------------------------------------------------------------------|------------|----------------------------|------------|-------|---------|-----------------|
| | | New York | California | Texas | Florida | |
| RSE Column Factor: | 0.4 | 1.7 | 0.9 | 1.4 | 1.2 | |
| Million Households | | | | | | |
| Total U.S. Households | 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 ¹ | 0.2 | Q | Q | Q | Q | 97.8 |
| Using a Major Fuel ¹ | 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 | 1.2 |
| Number of Households with Water Heating, Major Fuels Used: | | | | | | |
| 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 | 15.3 |
| LPG | 3.0 | Q | 0.4 | Q | Q | 33.2 |
| Quadrillion Btu^a | | | | | | |
| Water-Heating Btu Consumption, Major Fuels Used: | | | | | | |
| Electricity | 0.36 | 0.01 | 0.01 | 0.03 | 0.04 | 11.2 |
| Natural Gas | 1.15 | 0.08 | 0.18 | 0.09 | 0.02 | 8.0 |
| Fuel Oil | 0.13 | 0.04 | Q | Q | Q | 14.5 |
| LPG | 0.05 | Q | 0.01 | Q | Q | 33.1 |
| Total ² | 1.68 | 0.13 | 0.20 | 0.12 | 0.06 | 3.6 |
| Physical Units^a | | | | | | |
| Physical Units of Water-Heating Consumption, Major Fuels Used: | | | | | | |
| Electricity (billion kWh) | 104 | 2 | 4 | 8 | 13 | 11.2 |
| Natural Gas (billion cf) | 1,115 | 76 | 175 | 92 | 17 | 8.0 |
| Fuel Oil (million gallons) | 950 | 295 | Q | Q | Q | 14.5 |
| LPG (million gallons) | 515 | Q | 61 | Q | Q | 33.1 |
| Million Btu per Household^{4,a} | | | | | | |
| Average Water-Heating Btu Consumption per Household | | | | | | |
| Using a Major Fuel ¹ | 15.8 | 18.1 | 16.2 | 15.9 | 9.6 | 3.5 |
| For Main Water Heating | 15.8 | 18.1 | 16.2 | 15.9 | 9.7 | 3.6 |
| Million Households | | | | | | |
| Number of Households, Where the Main Water-Heating Fuel Is: | | | | | | |
| 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 | 16.0 |
| LPG | 2.9 | Q | 0.4 | Q | Q | 33.3 |
| No Water Heating | Q | Q | Q | Q | Q | NF |

See footnotes at end of table.

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

| | Four Most Populated States | | | | | RSE Row Factors |
|---------------------------------------------------------------------------------------------------------------------|----------------------------|----------|------------|-------|---------|-----------------|
| | Total U.S. | New York | California | Texas | Florida | |
| RSE Column Factor: | 0.4 | 1.7 | 0.9 | 1.4 | 1.2 | |
| Million Btu per Household^{4,a} | | | | | | |
| Water-Heating Btu Consumption per Household,³ Where the Main Water-Heating Fuel Is: | | | | | | |
| Electricity | 8.7 | 7.8 | 6.7 | 8.7 | 8.4 | 5.7 |
| Natural Gas | 19.7 | 17.5 | 18.1 | 20.6 | 15.2 | 4.2 |
| Fuel Oil | 28.1 | 24.8 | Q | Q | Q | 6.0 |
| LPG | 15.9 | Q | 12.9 | Q | Q | 14.3 |
| Physical Units (PU) per Household^{4,a} | | | | | | |
| Physical Units of Water-Heating Consumption per Household,³ Where the Main Water-Heating Fuel Is: | | | | | | |
| Electricity (kWh) | 2,552 | 2,292 | 1,967 | 2,537 | 2,450 | 5.7 |
| Natural Gas (thousand cf) | 19 | 17 | 18 | 20 | 15 | 4.2 |
| Fuel Oil (gallons) | 203 | 179 | Q | Q | Q | 6.0 |
| LPG (gallons) | 174 | Q | 141 | Q | Q | 14.3 |
| Number of Household Members (NHM) per Household⁴ | | | | | | |
| Number of Household Members per Household, Where the Main Water-Heating Fuel Is: | | | | | | |
| 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 | 6.1 |
| LPG | 2.6 | Q | 2.4 | Q | Q | 13.1 |
| Water-Heating Intensity^{4,a} (PU÷NHM) | | | | | | |
| Water-Heating Intensity, Where the Main Water-Heating Fuel Is: | | | | | | |
| Electricity | 1,048 | 814 | 802 | 1,124 | 989 | 4.0 |
| Natural Gas | 7.2 | 6.8 | 5.7 | 6.8 | 5.4 | 5.6 |
| Fuel Oil | 84 | 77 | Q | Q | Q | 8.7 |
| LPG | 68 | Q | 59 | Q | Q | 19.2 |

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

² Includes a small amount of kerosene use for water heating.

³ 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.

⁴ Averages are for those households using each of the main water-heating fuels.

^a 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.