

Table CE4-12c. Water-Heating Energy Consumption in U.S. Households by West Census Region, 2001

	Total U.S.	West Census Region			RSE Row Factors
		Total	Census Division		
			Mountain	Pacific	
RSE Column Factor:	0.5	1.0	1.7	1.2	
Million Households					
Total U.S. Households	107.0	23.3	6.7	16.6	NE
No Water Heating	Q	Q	Q	Q	NF
Water Heating	106.9	23.3	6.7	16.6	NE
Not Using a Major Fuel ¹	0.2	Q	Q	Q	77.4
Using a Major Fuel ¹	106.7	23.2	6.7	16.5	NE
For Main Water Heating	106.5	23.0	6.7	16.3	NE
Number of Households with Water Heating, Major Fuels Used:					
Electricity	41.6	7.9	2.3	5.5	5.0
Natural Gas	58.2	15.0	4.1	10.9	2.7
Fuel Oil	4.7	Q	Q	Q	20.7
LPG	3.0	0.7	0.2	0.5	26.2
Quadrillion Btu^a					
Water-Heating Btu Consumption, Major Fuels Used:					
Electricity	0.36	0.06	0.02	0.04	7.0
Natural Gas	1.15	0.28	0.08	0.20	3.8
Fuel Oil	0.13	Q	Q	Q	23.3
LPG	0.05	0.01	(*)	0.01	26.4
Total ²	1.68	0.35	0.11	0.24	2.5
Physical Units^a					
Physical Units of Water-Heating Consumption, Major Fuels Used:					
Electricity (billion kWh)	104	18	5	12	7.0
Natural Gas (billion cf)	1,115	272	81	191	3.8
Fuel Oil (million gallons)	950	Q	Q	Q	23.3
LPG (million gallons)	515	108	40	68	26.4
Million Btu per Household^{4,a}					
Average Water-Heating Btu Consumption per Household					
Using a Major Fuel ¹	15.8	15.1	15.7	14.9	2.5
For Main Water Heating	15.8	15.2	15.8	14.9	2.5
Million Households					
Number of Households, Where the Main Water-Heating Fuel Is:					
Electricity	40.8	7.3	2.3	5.0	4.9
Natural Gas	58.0	14.9	4.1	10.8	2.8
Fuel Oil	4.6	Q	Q	Q	21.6
LPG	2.9	0.7	0.2	0.5	26.2
No Water Heating	Q	Q	Q	Q	NF

See footnotes at end of table.

Table CE4-12c. Water-Heating Energy Consumption in U.S. Households by West Census Region, 2001 (Continued)

	West Census Region				RSE Row Factors
	Total U.S.	Census Division			
		Total	Mountain	Pacific	
RSE Column Factor:	0.5	1.0	1.7	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	8.1	7.9	8.2	4.4
Natural Gas	19.7	18.7	20.2	18.1	2.7
Fuel Oil	28.1	Q	Q	Q	7.2
LPG	15.9	14.0	15.4	13.3	9.9
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	2,386	2,320	2,416	4.4
Natural Gas (thousand cf)	19	18	20	18	2.7
Fuel Oil (gallons)	203	Q	Q	Q	7.2
LPG (gallons)	174	153	169	146	9.9
Number of Household Members (NHM) per Household⁴					
Number of Household Members per Household, Where the Main Water-Heating Fuel Is:					
Electricity	2.4	2.4	2.4	2.4	3.7
Natural Gas	2.7	3.0	2.9	3.0	2.3
Fuel Oil	2.4	Q	Q	Q	7.2
LPG	2.6	2.6	3.0	2.4	10.8
Water-Heating Intensity^{4,a} (PU÷NHM)					
Water-Heating Intensity, Where the Main Water-Heating Fuel Is:					
Electricity	1,048	1,000	948	1,026	3.9
Natural Gas	7.2	6.1	6.8	5.9	2.9
Fuel Oil	84	Q	Q	Q	9.7
LPG	68	58	57	59	16.6

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.
(*) = Value rounds to zero in the units displayed.
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.