

Table CE4-4e. Water-Heating Energy Expenditures in U.S. Households by Type of Housing Unit, 2001

	Type of Housing Unit					RSE Row Factors
	Total	Single-Family	Apartments in Buildings With		Mobile Homes	
			Two to Four Units	Five or More Units		
RSE Column Factor:	0.5	0.5	1.6	1.3	1.8	
Million Households						
Total U.S. Households	107.0	73.7	9.5	17.0	6.8	4.4
No Water Heating	Q	Q	Q	Q	Q	NF
Water Heating	106.9	73.6	9.5	17.0	6.8	4.4
Not Using a Major Fuel ¹	0.2	Q	Q	Q	Q	81.2
Using a Major Fuel ¹	106.7	73.5	9.5	16.9	6.8	4.4
For Main Water Heating	106.5	73.3	9.5	16.8	6.8	4.5
Number of Households with Water Heating, Major Fuels Used:						
Electricity	41.6	25.9	3.4	7.4	4.9	7.5
Natural Gas	58.2	42.8	5.7	8.2	1.5	6.7
Fuel Oil	4.7	3.0	0.4	1.3	Q	19.5
LPG	3.0	2.5	Q	Q	0.4	22.2
Billion Dollars^a						
Water-Heating Expenditures, Major Fuels Used:						
Electricity	8.47	5.68	0.57	1.11	1.11	8.5
Natural Gas	11.31	9.11	0.89	1.05	0.26	8.2
Fuel Oil	1.14	0.88	0.10	0.16	Q	20.7
LPG	0.69	0.61	Q	Q	0.07	22.2
Total ²	21.61	16.27	1.57	2.33	1.44	4.6
Dollars per Household^{4,a}						
Average Water-Heating Expenditures per Household						
Using a Major Fuel ¹	203	221	165	138	212	2.4
For Main Water Heating	203	222	165	138	212	2.4
Million Households						
Number of Households, Where the Main Water-Heating Fuel Is:						
Electricity	40.8	25.2	3.4	7.4	4.9	7.6
Natural Gas	58.0	42.7	5.7	8.1	1.5	6.7
Fuel Oil	4.6	2.9	0.4	1.3	Q	20.1
LPG	2.9	2.5	Q	Q	0.3	22.5
Does Not Heat Water	Q	Q	Q	Q	Q	NF
Dollars per Household^{4,a}						
Water-Heating Expenditures per Household,³ Where the Main Water-Heating Fuel Is:						
Electricity	208	225	171	151	227	3.2
Natural Gas	194	213	157	129	168	3.7
Fuel Oil	243	293	237	127	Q	6.0
LPG	233	245	Q	Q	179	7.9

See footnotes at end of table.

Table CE4-4e. Water-Heating Energy Expenditures in U.S. Households by Type of Housing Unit, 2001 (Continued)

	Type of Housing Unit					RSE Row Factors
	Total	Single-Family	Apartments in Buildings With		Mobile Homes	
			Two to Four Units	Five or More Units		
RSE Column Factor:	0.5	0.5	1.6	1.3	1.8	
Number of Household Members (NHM) per Household⁴						
Number of Household Members per Household, Where the Main Water-Heating Fuel Is:						
Electricity	2.4	2.6	2.2	1.9	2.7	3.1
Natural Gas	2.7	2.8	2.4	2.1	2.4	3.1
Fuel Oil	2.4	2.6	1.7	2.1	Q	7.3
LPG	2.6	2.7	Q	Q	2.2	8.5
Water-Heating Intensity^{4,a} (Dollars÷NHM)						
Water-Heating Intensity, Where the Main Water-Heating Fuel Is:						
Electricity	85	87	78	81	85	2.9
Natural Gas	73	75	66	61	70	4.4
Fuel Oil	101	111	143	59	Q	9.6
LPG	91	92	Q	Q	81	9.4

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 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.

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.

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.