

**Table HC9.8 Water Heating Characteristics by Climate Zone, 2005**  
**Million U.S. Housing Units**

Water Heating Characteristics	Housing Units (millions)	Climate Zone <sup>1</sup>				
		Less than 2,000 CDD and --				2,000 CDD or More and Less than 4,000 HDD
		Greater than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	Less than 4,000 HDD	
<b>Total</b> .....	111.1	10.9	26.1	27.3	24.0	22.8
<b>Number of Water Heaters</b>						
1.....	106.3	10.3	25.2	26.2	23.0	21.7
2 or More.....	3.7	0.4	0.7	0.6	0.9	1.1
Do Not Use Hot Water.....	1.1	0.3	0.2	0.5	Q	Q
<b>Housing Units Served by Main Water Heater</b>						
One Housing Unit.....	99.7	10.1	22.9	23.0	22.0	21.7
Two or More Housing Units.....	10.3	0.5	2.9	3.8	1.9	1.1
Do Not Use Hot Water.....	1.1	0.3	0.2	0.5	Q	Q
<b>Main Water Heating Fuel</b>						
Electric.....	43.1	3.4	6.7	10.2	8.7	14.1
For One Housing Unit.....	40.3	3.3	6.1	9.4	8.0	13.4
For Two or More Housing Units.....	2.7	Q	0.6	0.8	0.7	0.7
Natural Gas.....	58.7	5.5	16.7	14.2	14.2	8.1
For One Housing Unit.....	52.5	5.2	14.6	12.0	13.1	7.6
For Two or More Housing Units.....	6.2	0.4	2.1	2.2	1.1	0.4
Fuel Oil.....	4.0	Q	1.6	1.7	N	N
For One Housing Unit.....	3.0	Q	1.4	0.9	N	N
For Two or More Housing Units.....	1.1	Q	0.2	0.8	N	N
Propane/LPG.....	4.0	0.9	0.8	0.8	1.0	0.5
Other.....	0.2	Q	Q	N	Q	Q
Do Not Use Hot Water.....	1.1	0.3	0.2	0.5	Q	Q
<b>Age of Main Water Heater</b>						
<b>Used by One Housing Unit</b>						
Less than 2 Years.....	14.7	1.5	3.7	2.4	3.6	3.4
2 to 4 Years.....	18.6	1.8	3.9	3.9	4.3	4.6
5 to 9 Years.....	25.5	2.7	5.5	6.3	5.6	5.5
10 to 19 Years.....	20.1	2.5	4.4	5.0	4.7	3.6
20 Years or More.....	6.8	0.6	1.8	1.6	1.2	1.7
Don't Know.....	12.0	0.8	3.2	3.0	2.4	2.6
No Separate Water Heater.....	1.9	Q	0.4	0.8	0.3	0.3
<b>Used by Two or More Housing Units</b>						
Less than 2 Years.....	0.3	N	Q	Q	Q	N
2 to 4 Years.....	0.5	Q	Q	Q	Q	Q
5 to 9 Years.....	0.5	Q	Q	Q	Q	Q
10 to 19 Years.....	0.6	Q	0.2	Q	Q	Q
20 Years or More.....	0.6	Q	Q	Q	0.2	Q
Don't Know.....	4.4	0.3	1.4	1.9	0.4	0.4
No Separate Water Heater.....	3.4	Q	0.8	1.4	0.8	0.3

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		Less than 2,000 CDD and --				2,000 CDD or More and Less than 4,000 HDD
		Greater than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	Less than 4,000 HDD	
<b>Size of Main Water Heater</b>						
<b>Used by One Housing Unit</b>						
Small (30 gallons or less).....	17.1	1.3	3.1	3.5	3.7	5.5
Medium (31 to 49 gallons).....	52.4	5.3	13.3	11.7	11.9	10.2
Large (50 gallons or more).....	27.1	3.1	5.8	6.8	6.0	5.5
Tankless water heater.....	1.1	0.3	0.3	0.3	Q	Q
No Separate Water Heater.....	1.9	Q	0.4	0.8	0.3	0.3
<b>Used by Two or More Housing Units</b>						
Small (30 gallons or less).....	1.4	Q	0.3	0.6	Q	Q
Medium (31 to 49 gallons).....	2.4	Q	0.8	1.0	0.3	0.3
Large (50 gallons or more).....	2.8	Q	1.0	0.7	0.6	0.3
Tankless water heater.....	0.2	Q	Q	Q	N	N
No Separate Water Heater.....	3.4	Q	0.8	1.4	0.8	0.3
<b>Other Water Heating</b>						
<b>Hot Tubs or Spas.....</b>						
Electricity.....	6.7	0.9	1.2	1.4	1.6	1.6
Natural Gas.....	5.3	0.8	1.1	1.1	1.1	1.2
	1.2	Q	Q	Q	0.6	0.3
<b>Swimming Pools.....</b>						
Natural Gas.....	1.9	Q	Q	0.4	0.5	0.7
Electricity.....	1.2	Q	Q	Q	0.4	0.4
Propane/LPG.....	0.4	N	N	Q	Q	Q
Some Other Fuel.....	0.3	Q	Q	Q	Q	Q
	Q	N	Q	N	N	N
<b>Electric Water Beds.....</b>						
1.....	2.2	0.3	0.7	0.5	Q	0.5
2 or More.....	1.9	0.2	0.7	0.4	Q	0.4
	0.3	Q	Q	Q	Q	Q
<b>Heaters Used all Year.....</b>						
1.....	1.7	0.2	0.7	0.4	Q	Q
2 or More.....	1.5	Q	0.6	0.4	Q	Q
	0.3	Q	Q	Q	Q	Q

1. One of five climatically distinct areas, determined according to the 30-year average (1971-2000) of the annual heating and cooling degree-days. A household is assigned to a climate zone according to the 30-year average annual degree-days for an appropriate nearby weather station.

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.

N = No cases in reporting sample.

Notes: • Because of rounding, data may not sum to totals. • See Glossary for definition of terms used in these tables.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-457 A, B, C of the 2005 Residential Energy Consumption Survey.