

Table HC5.8 Water Heating Characteristics by Year of Construction, 2005
Million U.S. Housing Units

| Water Heating Characteristics | Housing Units (millions) | Year of Construction | | | | | | | |
|--|--------------------------|----------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | | Before 1940 | 1940 to 1949 | 1950 to 1959 | 1960 to 1969 | 1970 to 1979 | 1980 to 1989 | 1990 to 1999 | 2000 to 2005 |
| Total | 111.1 | 14.7 | 7.4 | 12.5 | 12.5 | 18.9 | 18.6 | 17.3 | 9.2 |
| Number of Water Heaters | | | | | | | | | |
| 1..... | 106.3 | 14.0 | 7.2 | 12.2 | 12.0 | 18.4 | 17.7 | 16.1 | 8.8 |
| 2 or More..... | 3.7 | 0.6 | Q | Q | 0.3 | 0.3 | 0.7 | 1.1 | 0.4 |
| Do Not Use Hot Water..... | 1.1 | Q | Q | Q | Q | Q | Q | Q | Q |
| Housing Units Served by Main Water Heater | | | | | | | | | |
| One Housing Unit..... | 99.7 | 12.7 | 6.4 | 11.4 | 10.8 | 16.3 | 17.0 | 16.5 | 8.8 |
| Two or More Housing Units..... | 10.3 | 1.9 | 1.0 | 1.0 | 1.5 | 2.4 | 1.5 | 0.7 | 0.4 |
| Do Not Use Hot Water..... | 1.1 | Q | Q | Q | Q | Q | Q | Q | Q |
| Main Water Heating Fuel | | | | | | | | | |
| Electric..... | 43.1 | 4.0 | 1.4 | 3.8 | 4.1 | 8.6 | 8.6 | 8.5 | 4.0 |
| For One Housing Unit..... | 40.3 | 3.8 | 1.3 | 3.6 | 3.7 | 7.7 | 8.1 | 8.2 | 3.9 |
| For Two or More Housing Units..... | 2.7 | Q | Q | 0.3 | 0.3 | 0.9 | 0.5 | 0.4 | Q |
| Natural Gas..... | 58.7 | 8.9 | 5.0 | 7.8 | 7.1 | 8.8 | 8.8 | 7.7 | 4.4 |
| For One Housing Unit..... | 52.5 | 7.7 | 4.4 | 7.2 | 6.3 | 7.5 | 7.9 | 7.3 | 4.1 |
| For Two or More Housing Units..... | 6.2 | 1.2 | 0.7 | 0.6 | 0.9 | 1.3 | 0.9 | 0.4 | 0.3 |
| Fuel Oil..... | 4.0 | 1.1 | 0.6 | 0.6 | 0.6 | 0.5 | 0.2 | 0.3 | Q |
| For One Housing Unit..... | 3.0 | 0.7 | 0.4 | 0.4 | 0.4 | 0.4 | Q | 0.3 | Q |
| For Two or More Housing Units..... | 1.1 | 0.4 | Q | Q | Q | Q | Q | N | N |
| Propane/LPG..... | 4.0 | 0.5 | 0.3 | 0.2 | 0.4 | 0.6 | 0.7 | 0.7 | 0.6 |
| Other..... | 0.2 | Q | N | N | Q | Q | Q | Q | Q |
| Do Not Use Hot Water..... | 1.1 | Q | Q | Q | Q | Q | Q | Q | Q |
| Age of Main Water Heater | | | | | | | | | |
| Used by One Housing Unit | | | | | | | | | |
| Less than 2 Years..... | 14.7 | 1.8 | 1.0 | 1.5 | 1.6 | 1.7 | 2.4 | 1.4 | 3.4 |
| 2 to 4 Years..... | 18.6 | 2.1 | 1.0 | 2.4 | 2.1 | 2.9 | 2.4 | 1.6 | 4.1 |
| 5 to 9 Years..... | 25.5 | 2.9 | 1.6 | 2.9 | 2.3 | 4.3 | 3.7 | 7.6 | 0.3 |
| 10 to 19 Years..... | 20.1 | 2.6 | 1.5 | 2.1 | 2.3 | 2.9 | 4.4 | 4.4 | Q |
| 20 Years or More..... | 6.8 | 1.1 | 0.5 | 1.3 | 0.9 | 1.5 | 1.4 | Q | N |
| Don't Know..... | 12.0 | 1.8 | 0.7 | 1.1 | 1.4 | 2.6 | 2.3 | 1.3 | 0.9 |
| No Separate Water Heater..... | 1.9 | 0.4 | Q | Q | Q | 0.5 | 0.4 | Q | Q |
| Used by Two or More Housing Units | | | | | | | | | |
| Less than 2 Years..... | 0.3 | Q | Q | Q | N | Q | N | N | N |
| 2 to 4 Years..... | 0.5 | Q | Q | Q | Q | Q | Q | N | Q |
| 5 to 9 Years..... | 0.5 | Q | N | Q | Q | Q | Q | Q | N |
| 10 to 19 Years..... | 0.6 | Q | Q | Q | Q | Q | Q | Q | N |
| 20 Years or More..... | 0.6 | Q | Q | Q | Q | Q | Q | N | N |
| Don't Know..... | 4.4 | 0.8 | 0.5 | 0.4 | 0.5 | 1.2 | 0.6 | 0.3 | Q |
| No Separate Water Heater..... | 3.4 | 0.5 | Q | 0.3 | 0.7 | 0.7 | 0.5 | 0.4 | Q |

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Million U.S. Housing Units

| Water Heating Characteristics | Housing Units (millions) | Year of Construction | | | | | | | |
|--|--------------------------|----------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | | Before 1940 | 1940 to 1949 | 1950 to 1959 | 1960 to 1969 | 1970 to 1979 | 1980 to 1989 | 1990 to 1999 | 2000 to 2005 |
| Size of Main Water Heater | | | | | | | | | |
| Used by One Housing Unit | | | | | | | | | |
| Small (30 gallons or less)..... | 17.1 | 2.2 | 1.3 | 1.8 | 2.0 | 3.2 | 3.1 | 2.5 | 1.0 |
| Medium (31 to 49 gallons)..... | 52.4 | 6.9 | 3.6 | 6.7 | 5.9 | 8.3 | 8.8 | 8.5 | 3.7 |
| Large (50 gallons or more)..... | 27.1 | 3.1 | 1.3 | 2.5 | 2.4 | 4.1 | 4.6 | 5.3 | 3.9 |
| Tankless water heater..... | 1.1 | Q | Q | Q | 0.3 | Q | Q | Q | Q |
| No Separate Water Heater..... | 1.9 | 0.4 | Q | Q | Q | 0.5 | 0.4 | Q | Q |
| Used by Two or More Housing Units | | | | | | | | | |
| Small (30 gallons or less)..... | 1.4 | 0.4 | Q | Q | Q | 0.3 | Q | Q | Q |
| Medium (31 to 49 gallons)..... | 2.4 | 0.5 | Q | 0.3 | 0.3 | 0.6 | 0.4 | Q | Q |
| Large (50 gallons or more)..... | 2.8 | 0.5 | 0.3 | 0.3 | 0.4 | 0.8 | 0.4 | Q | Q |
| Tankless water heater..... | 0.2 | Q | Q | N | N | Q | N | Q | N |
| No Separate Water Heater..... | 3.4 | 0.5 | Q | 0.3 | 0.7 | 0.7 | 0.5 | 0.4 | Q |
| Other Water Heating | | | | | | | | | |
| Hot Tubs or Spas..... | | | | | | | | | |
| Electricity..... | 6.7 | 0.6 | Q | 0.4 | 0.7 | 1.3 | 1.2 | 1.5 | 0.9 |
| Natural Gas..... | 5.3 | 0.4 | Q | 0.4 | 0.6 | 1.1 | 0.9 | 1.1 | 0.6 |
| Swimming Pools..... | | | | | | | | | |
| Natural Gas..... | 1.2 | Q | Q | Q | Q | 0.2 | 0.4 | 0.6 | Q |
| Electricity..... | 1.2 | Q | Q | Q | Q | Q | Q | 0.4 | Q |
| Propane/LPG..... | 0.4 | N | N | N | Q | Q | Q | Q | Q |
| Some Other Fuel..... | 0.3 | Q | N | Q | Q | Q | Q | Q | Q |
| Electric Water Beds..... | | | | | | | | | |
| 1..... | 2.2 | Q | Q | 0.3 | Q | 0.4 | 0.4 | 0.4 | Q |
| 2 or More..... | 1.9 | Q | Q | 0.3 | Q | 0.4 | 0.4 | 0.2 | Q |
| Heaters Used all Year..... | | | | | | | | | |
| 1..... | 0.3 | N | Q | N | Q | Q | Q | Q | N |
| 2 or More..... | 1.7 | Q | Q | Q | Q | 0.3 | 0.3 | 0.4 | Q |
| 1..... | 1.5 | Q | Q | Q | Q | 0.3 | 0.3 | 0.2 | Q |
| 2 or More..... | 0.3 | N | Q | N | Q | Q | Q | Q | N |

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.