

**Table WH2. Total Households by Water Heating Fuels Used, 2005**  
**Million U.S. Households**

	U.S. Households (millions)	Total U.S. Using Any Water Heating Fuel (millions)	Fuels Used (million U.S. households)				
			Electricity	Natural Gas	Fuel Oil	LPG	Other Fuels
<b>Total.....</b>	111.1	110.0	43.3	59.8	4.3	5.8	0.3
<b>Census Region and Division</b>							
Northeast.....	20.6	19.9	4.2	11.2	3.9	0.7	Q
New England.....	5.5	5.3	1.4	2.3	1.4	0.2	Q
Middle Atlantic.....	15.1	14.5	2.8	8.8	2.5	0.5	Q
Midwest.....	25.6	25.4	7.5	17.1	Q	1.6	Q
East North Central.....	17.7	17.6	5.2	12.0	N	0.9	Q
West North Central.....	7.9	7.8	2.3	5.1	Q	0.7	N
South.....	40.7	40.5	25.5	14.6	Q	1.7	Q
South Atlantic.....	21.7	21.7	15.6	5.9	Q	0.6	N
East South Central.....	6.9	6.9	4.7	2.1	Q	0.3	Q
West South Central.....	12.1	12.0	5.2	6.6	N	0.8	N
West.....	24.2	24.2	6.2	17.0	Q	1.7	Q
Mountain.....	7.6	7.5	2.0	5.1	Q	0.8	Q
Pacific.....	16.6	16.6	4.2	11.9	Q	0.9	Q
<b>Four Most Populated States</b>							
New York.....	7.1	6.7	0.8	3.8	1.7	0.4	Q
Florida.....	7.0	7.0	6.3	0.9	N	Q	N
Texas.....	8.0	7.9	3.4	4.4	N	0.5	N
California.....	12.1	12.1	1.3	10.3	N	0.8	Q
All Other States.....	76.9	76.3	31.5	40.4	2.6	3.9	0.2
<b>Urban/Rural Location (as Self-Reported)</b>							
City.....	47.1	46.5	16.7	28.3	1.4	1.1	Q
Town.....	19.0	18.9	6.6	11.3	0.7	0.7	Q
Suburbs.....	22.7	22.6	6.0	15.6	0.9	0.9	Q
Rural.....	22.3	22.1	14.0	4.6	1.2	3.2	Q
<b>Climate Zone<sup>1</sup></b>							
Less than 2,000 CDD and--							
Greater than 7,000 HDD.....	10.9	10.7	3.5	5.7	Q	1.0	Q
5,500 to 7,000 HDD.....	26.1	25.8	6.8	16.7	1.6	1.2	Q
4,000 to 5,499 HDD.....	27.3	26.8	10.3	14.4	1.7	1.0	Q
Fewer than 4,000 HDD.....	24.0	23.9	8.7	14.5	Q	1.6	Q
2000 CDD or More and--							
Less than 4,000 HDD.....	22.8	22.7	14.1	8.6	Q	0.9	Q

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			Electricity	Natural Gas	Fuel Oil	LPG	Other Fuels	
<b>Type of Housing Unit</b>								
Single-Family Detached.....	72.1	71.9	26.3	41.1	2.8	4.5	0.3	
Single-Family Attached.....	7.6	7.5	2.3	5.1	Q	Q	N	
Apartments in 2-4 Unit Buildings.....	7.8	7.7	2.5	4.8	0.4	Q	N	
Apartments in 5 or More Unit Buildings.....	16.7	16.1	7.6	7.5	0.8	0.4	Q	
Mobile Homes.....	6.9	6.8	4.7	1.5	Q	0.6	N	
<b>Ownership of Housing Unit</b>								
<b>Owned</b> .....	78.1	77.8	29.5	43.0	3.1	5.0	0.3	
Single-Family Detached.....	64.1	63.9	22.8	36.7	2.7	4.3	0.3	
Single-Family Attached.....	4.2	4.1	1.0	2.9	Q	Q	N	
Apartments in 2-4 Unit Buildings.....	1.8	1.8	0.4	1.3	Q	Q	N	
Apartments in 5 or More Unit Buildings.....	2.3	2.3	1.3	0.9	Q	Q	N	
Mobile Homes.....	5.7	5.6	4.0	1.2	Q	0.5	N	
<b>Rented</b> .....	33.0	32.2	13.8	16.8	1.2	0.7	Q	
Single-Family Detached.....	8.0	8.0	3.5	4.3	Q	Q	N	
Single-Family Attached.....	3.4	3.4	1.3	2.1	Q	Q	N	
Apartments in 2-4 Unit Buildings.....	5.9	5.8	2.0	3.5	0.3	Q	N	
Apartments in 5 or More Unit Buildings.....	14.4	13.9	6.3	6.6	0.7	0.4	Q	
Mobile Homes.....	1.2	1.1	0.8	0.3	Q	Q	N	
<b>Year of Construction</b>								
Before 1940.....	14.7	14.5	4.1	9.1	1.1	0.8	Q	
1940 to 1949.....	7.4	7.3	1.4	5.0	0.6	0.5	Q	
1950 to 1959.....	12.5	12.4	3.9	7.9	0.6	0.3	N	
1960 to 1969.....	12.5	12.3	4.1	7.2	0.6	0.5	Q	
1970 to 1979.....	18.9	18.6	8.7	8.9	0.5	0.7	Q	
1980 to 1989.....	18.6	18.5	8.7	9.1	0.3	1.0	Q	
1990 to 1999.....	17.3	17.2	8.6	8.1	0.4	1.1	Q	
2000 to 2005.....	9.2	9.2	4.0	4.5	0.2	0.8	Q	

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			Electricity	Natural Gas	Fuel Oil	LPG	Other Fuels	
<b>Household Size</b>								
1 Person.....	30.0	29.5	12.8	15.3	0.8	1.1	Q	
2 Persons.....	34.8	34.5	13.8	18.1	1.4	2.1	Q	
3 Persons.....	18.4	18.2	7.3	9.9	0.8	0.9	Q	
4 Persons.....	15.9	15.8	5.6	9.1	0.6	0.9	Q	
5 Persons.....	7.9	7.9	2.7	4.7	0.4	0.4	N	
6 or More Persons.....	4.1	4.1	1.2	2.7	Q	0.3	N	
<b>2005 Household Income Category</b>								
Less than \$10,000.....	9.9	9.5	4.1	4.7	0.3	0.3	N	
\$10,000 to \$14,999.....	8.5	8.3	3.8	3.9	0.4	0.3	N	
\$15,000 to \$19,999.....	8.4	8.3	3.8	3.9	0.5	0.3	N	
\$20,000 to \$29,999.....	15.1	14.9	6.4	7.8	0.4	0.6	N	
\$30,000 to \$39,999.....	13.6	13.5	5.9	6.7	0.4	0.6	Q	
\$40,000 to \$49,999.....	11.0	11.0	4.4	6.0	0.4	0.6	Q	
\$50,000 to \$74,999.....	19.8	19.7	7.2	11.3	0.6	1.2	Q	
\$75,000 to \$99,999.....	10.6	10.6	4.0	5.9	0.6	0.4	Q	
\$100,000 or More.....	14.2	14.1	3.7	9.7	0.6	1.4	Q	
<b>Income Relative to Poverty Line</b>								
Below 100 Percent.....	16.6	16.2	7.0	7.9	0.7	0.7	N	
100 to 150 Percent.....	12.9	12.8	5.9	6.3	0.4	0.4	N	
Above 150 Percent.....	81.5	81.0	30.4	45.6	3.2	4.7	0.3	
<b>Eligible for Federal Assistance<sup>2</sup></b>								
Yes.....	38.6	37.8	16.2	18.9	1.7	1.4	N	
No.....	72.5	72.2	27.1	40.9	2.5	4.4	0.3	
<b>Payment Method for Utilities</b>								
All Paid by Household.....	97.5	97.0	39.4	52.2	3.2	5.1	0.3	
Some Paid, Some in Rent.....	7.6	7.4	2.3	4.3	0.7	0.4	Q	
All Included in Rent.....	4.7	4.4	1.1	2.7	0.3	Q	Q	
Other Method.....	1.3	1.3	0.6	0.6	Q	Q	N	

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			Electricity	Natural Gas	Fuel Oil	LPG	Other Fuels	
<b>Ethnic Origin of Householder</b>								
Hispanic Descent.....	14.8	14.5	5.2	7.9	0.8	0.8	Q	
Non-Hispanic Descent.....	96.3	95.5	38.1	51.9	3.4	5.0	0.3	
<b>Race of Householder<sup>3</sup></b>								
White.....	79.1	78.4	31.6	41.8	3.0	4.9	Q	
Hispanic.....	5.0	5.0	2.0	2.5	0.2	0.4	N	
Non-Hispanic.....	74.1	73.5	29.6	39.3	2.8	4.5	Q	
Black.....	13.4	13.3	5.6	7.1	0.4	0.3	N	
Hispanic.....	0.3	0.3	Q	Q	Q	N	N	
Non-Hispanic.....	13.1	13.0	5.5	7.0	0.4	0.3	N	
Asian.....	3.3	3.3	1.0	2.2	Q	Q	Q	
Multi-Racial.....	1.3	1.3	0.5	0.8	Q	Q	Q	
Other.....	7.1	7.0	1.8	4.6	0.3	0.3	Q	
Undetermined (Race Reported as Hispanic).....	6.9	6.6	2.7	3.3	0.4	Q	N	
<b>Age of Householder</b>								
Under 25 Years.....	5.5	5.2	2.9	2.1	Q	Q	N	
25 to 34 Years.....	18.2	18.0	7.4	9.9	0.4	0.7	Q	
35 to 44 Years.....	22.2	22.1	8.6	12.4	0.7	1.1	Q	
45 to 54 Years.....	23.3	23.2	8.1	13.4	1.1	1.4	Q	
55 to 64 Years.....	18.0	17.9	6.8	9.6	0.8	1.4	Q	
65 to 74 Years.....	12.3	12.1	4.9	6.4	0.4	0.8	Q	
75 Years or More.....	11.7	11.5	4.7	6.0	0.6	0.3	Q	
<b>Adults Age 65 or Older in Household</b>								
Yes.....	26.9	26.4	10.5	14.3	1.2	1.2	Q	
No.....	84.2	83.6	32.8	45.6	3.1	4.6	0.3	
<b>Children Under Age 5 in Household</b>								
Yes.....	15.0	14.9	5.5	8.6	0.5	0.8	Q	
No.....	96.1	95.1	37.8	51.3	3.8	5.0	0.3	
<b>Children Age 5 to 16 in Household</b>								
Yes.....	28.1	28.0	9.9	16.4	1.1	1.8	Q	
No.....	83.0	82.0	33.4	43.4	3.1	4.0	0.3	

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<b>Number of Water Heaters</b>								
1.....	106.3	106.3	41.8	56.6	4.0	3.8	0.2	
2 or More.....	3.7	3.7	1.5	3.3	0.3	2.0	Q	
Do Not Use Hot Water.....	1.1	N	N	N	N	N	N	
<b>Age of Main Water Heater</b>								
<b>Used by One Housing Unit</b>								
Less than 2 Years.....	14.7	14.7	5.2	8.5	0.3	1.2	Q	
2 to 4 Years.....	18.6	18.6	7.2	10.3	0.4	1.1	Q	
5 to 9 Years.....	25.5	25.5	11.2	13.3	0.5	1.5	Q	
10 to 19 Years.....	20.1	20.1	8.0	11.2	0.6	1.0	Q	
20 Years or More.....	6.8	6.8	3.0	3.3	0.5	Q	Q	
Don't Know.....	12.0	12.0	5.0	6.7	0.2	0.4	Q	
No Separate Water Heater.....	1.9	1.9	0.6	0.6	Q	Q	Q	
<b>Used by Two or More Housing Units</b>								
Less than 2 Years.....	0.3	0.3	Q	Q	Q	N	N	
2 to 4 Years.....	0.5	0.5	Q	Q	Q	Q	Q	
5 to 9 Years.....	0.5	0.5	Q	0.4	Q	Q	N	
10 to 19 Years.....	0.6	0.6	Q	0.3	Q	N	N	
20 Years or More.....	0.6	0.6	Q	0.3	Q	Q	N	
Don't Know.....	4.4	4.4	1.3	2.7	0.4	Q	N	
No Separate Water Heater.....	3.4	3.4	1.1	1.8	0.4	Q	Q	
<b>Size of Main Water Heater</b>								
<b>Used by One Housing Unit</b>								
Small (30 gallons or less).....	17.1	17.1	9.2	7.1	0.4	0.8	N	
Medium (31 to 49 gallons).....	52.4	52.4	19.3	30.7	1.1	2.6	Q	
Large (50 gallons or more).....	27.1	27.1	11.0	15.2	0.5	1.7	Q	
Tankless water heater.....	1.1	1.1	Q	0.3	0.6	Q	N	
No Separate Water Heater.....	1.9	1.9	0.6	0.6	Q	Q	Q	
<b>Used by Two or More Housing Units</b>								
Small (30 gallons or less).....	1.4	1.4	0.4	0.8	Q	Q	N	
Medium (31 to 49 gallons).....	2.4	2.4	0.7	1.5	Q	Q	N	
Large (50 gallons or more).....	2.8	2.8	0.8	1.8	Q	Q	N	
Tankless water heater.....	0.2	0.2	N	Q	Q	N	Q	
No Separate Water Heater.....	3.4	3.4	1.1	1.8	0.4	Q	Q	

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<b>Clothes Washer</b>								
Do Not Use a Clothes Washer.....	19.3	18.6	7.4	9.7	1.0	0.7		Q
Use a Clothes Washer.....	91.8	91.4	36.0	50.1	3.3	5.1		0.3
Top Loading.....	84.1	83.7	33.2	45.7	2.9	4.4		0.2
Front Loading.....	7.7	7.7	2.8	4.4	0.4	0.6		Q
<b>Age of Clothes Washer</b>								
Less than 2 Years.....	15.7	15.6	6.0	9.0	0.3	0.8		Q
2 to 4 Years.....	21.1	21.0	8.0	11.5	0.8	1.5		Q
5 to 9 Years.....	28.9	28.7	11.8	15.2	1.1	1.6		Q
10 to 19 Years.....	19.9	19.8	7.6	11.1	0.8	1.0		Q
20 Years or More.....	4.1	4.0	1.7	2.2	Q	Q		Q
Don't Know.....	2.2	2.2	0.9	1.2	Q	N		N
<b>Frequency of Clothes Washer Use</b>								
Use a Clothes Washer in the Home.....	91.8	91.4	36.0	50.1	3.3	5.1		0.3
1 Load Each Week.....	7.3	7.1	3.0	3.9	Q	Q		N
2 to 5 Loads Each Week.....	39.0	38.8	15.1	21.3	1.5	2.1		Q
6 to 9 Loads Each Week.....	33.8	33.7	13.2	18.3	1.2	2.0		Q
10 to 15 Loads Each Week.....	9.3	9.3	3.8	5.0	0.4	0.7		Q
More than 15 Loads Each Week.....	2.4	2.4	0.8	1.6	Q	Q		N
Do Not Use a Clothes Washer in the Home.....	19.3	18.6	7.4	9.7	1.0	0.7		Q
<b>Usual Water Temperature Setting</b>								
<b>Wash Cycle</b>								
Hot.....	6.7	6.7	2.4	3.9	0.3	Q		N
Warm.....	50.5	50.3	17.8	29.5	1.8	3.2		Q
Cold.....	34.6	34.4	15.8	16.7	1.1	1.7		Q
<b>Rinse Cycle</b>								
Hot.....	1.6	1.6	0.6	0.9	N	Q		N
Warm.....	18.2	18.1	6.5	10.4	0.8	1.0		Q
Cold.....	72.0	71.7	28.9	38.8	2.5	4.0		0.2
<b>Energy Star Clothes Washer<sup>4</sup></b>								
Yes.....	21.7	21.7	7.0	13.1	0.9	1.5		Q
No.....	10.4	10.4	4.9	5.1	0.2	0.5		Q
Don't Know.....	4.5	4.5	2.1	2.2	Q	0.4		N
Unit is More Than 4 Years Old.....	55.1	54.8	22.0	29.7	2.1	2.7		0.2

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<b>Dishwasher</b>								
Do Not Use a Dishwasher.....	64.7	64.5	25.6	35.3	2.3	4.0	0.2	
Use a Dishwasher.....	46.4	45.5	17.8	24.6	2.0	1.8	Q	
<b>Age of Dishwasher</b>								
Less than 2 Years.....	11.5	11.4	4.6	6.5	0.3	0.6	N	
2 to 4 Years.....	14.6	14.5	5.5	8.0	0.6	1.1	Q	
5 to 9 Years.....	19.2	19.1	7.6	10.4	0.6	1.3	Q	
10 to 19 Years.....	12.8	12.8	5.0	7.0	0.6	0.9	Q	
20 Years or More.....	3.3	3.3	1.2	1.8	0.2	Q	N	
Don't Know.....	3.3	3.3	1.6	1.6	Q	Q	N	
<b>Frequency of Dishwasher Use</b>								
Use a Dishwasher.....	64.7	64.5	25.6	35.3	2.3	4.0	0.2	
At Least Once Each Day.....	11.3	11.3	4.0	6.6	0.5	0.7	Q	
4 to 6 Times a Week.....	11.7	11.7	4.4	6.6	0.5	1.0	Q	
2 to 3 Times a Week.....	21.8	21.7	8.2	12.0	0.8	1.3	Q	
Once each Week.....	9.0	9.0	4.0	4.6	0.2	0.5	Q	
Less than Once Each Week.....	10.9	10.9	4.9	5.4	0.3	0.5	N	
Do Not Use a Dishwasher.....	46.4	45.5	17.8	24.6	2.0	1.8	Q	
<b>Energy Star Dishwasher<sup>4</sup></b>								
Yes.....	16.4	16.3	5.6	9.6	0.7	1.2	Q	
No.....	6.6	6.6	3.3	3.0	Q	0.4	N	
Don't Know.....	3.1	3.1	1.3	1.8	Q	Q	N	
Unit is More Than 4 Years Old.....	38.6	38.5	15.5	20.8	1.4	2.3	Q	

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<b>Other Water Heating</b>								
<b>Hot Tubs or Spas</b> .....	6.7	6.7	2.4	4.0	Q	0.7	Q	
Electricity.....	5.3	5.3	2.3	2.8	Q	0.4	Q	
Natural Gas.....	1.2	1.2	Q	1.2	N	Q	N	
<b>Swimming Pools</b> .....	1.9	1.9	0.5	1.2	Q	0.4	Q	
Natural Gas.....	1.2	1.2	Q	1.0	Q	Q	N	
Electricity.....	0.4	0.4	Q	Q	Q	Q	N	
Propane/LPG.....	0.3	0.3	Q	Q	Q	Q	Q	
Some Other Fuel.....	Q	Q	Q	N	N	N	N	
<b>Electric Water Beds</b> .....	2.2	2.1	1.0	1.0	Q	Q	N	
1.....	1.9	1.8	0.9	0.8	Q	Q	N	
2 or More.....	0.3	0.3	Q	Q	N	Q	N	
<b>Heaters Used all Year</b> .....	1.7	1.7	0.7	0.8	Q	Q	N	
1.....	1.5	1.5	0.7	0.6	Q	Q	N	
2 or More.....	0.3	0.3	Q	Q	N	Q	N	

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.

2 Below 150 percent of poverty line or 60 percent of median state income.

3 Respondents were permitted to select more than one racial category to describe themselves. The "Other" category includes Native Americans, Native Alaskans, and Pacific Islanders.

4 The question of whether the appliance was an Energy Star appliance was asked only of those households having an appliance that was four years old or less.

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 the reporting sample.

(\*) Number less than 0.5, 0.05, or 0.005 depending on the number of significant digits in the column, rounded to zero.

Notes: • 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 2005 Residential Energy Consumption Survey.