

Table HC9.10 Home Appliances Usage Indicators by Climate Zone, 2005
Million U.S. Housing Units

Home Appliances Characteristics	Housing Units (millions)	Climate Zone ¹				
		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	
Total	111.1	10.9	26.1	27.3	24.0	22.8
Cooking Appliances						
Frequency of Hot Meals Cooked						
3 or More Times A Day.....	8.2	0.4	1.7	2.1	2.2	1.7
2 Times A Day.....	24.6	2.3	6.0	5.9	5.5	5.0
Once a Day.....	42.3	5.6	10.3	9.7	8.1	8.7
A Few Times Each Week.....	27.2	2.1	6.1	7.2	6.0	5.7
About Once a Week.....	3.9	0.3	0.7	1.0	1.1	0.8
Less Than Once a Week.....	4.1	Q	0.9	1.1	1.0	0.8
No Hot Meals Cooked.....	0.9	Q	0.4	Q	Q	Q
Conventional Oven						
Use an Oven.....	109.6	10.9	25.7	27.1	23.4	22.4
More Than Once a Day.....	8.9	0.6	1.9	2.1	2.6	1.7
Once a Day.....	19.2	2.0	4.9	4.4	4.3	3.7
Between Once a Day and Once a Week.....	32.0	3.9	8.4	7.6	5.7	6.4
Once a Week.....	19.1	2.2	4.2	5.0	3.8	3.9
Less than Once a Week.....	30.3	2.2	6.4	8.0	7.0	6.8
Do Not Use an Oven.....	1.5	Q	0.3	Q	0.6	0.4
Microwave Oven						
Use a Microwave Oven.....	97.7	10.3	22.9	24.1	20.8	19.6
Most or all Food Cooked.....	8.3	0.6	2.4	1.9	1.6	1.8
About Half of All Food Cooked.....	17.3	1.9	4.5	3.9	3.4	3.6
Some or Very Little Food Cooked.....	21.9	2.5	4.7	4.9	5.2	4.7
For Defrosting, Reheating, or Snacks.....	50.2	5.3	11.3	13.4	10.7	9.6
Do Not Use a Microwave Oven.....	13.4	0.7	3.2	3.2	3.1	3.2
Electric Coffee Maker						
Use an Electric Coffee Maker.....	67.2	7.2	16.0	16.5	13.3	14.1
3 or More Times a Day.....	2.5	0.4	0.6	0.5	0.5	0.5
2 Times a Day.....	5.4	0.6	1.5	1.3	1.0	0.9
Once a Day.....	36.9	4.0	8.5	8.8	7.6	8.1
A Few Times Each Week.....	9.7	1.2	2.2	2.5	1.7	2.1
About Once a Week.....	5.0	0.4	1.3	1.6	0.9	0.8
Less Than Once a Week.....	7.6	0.5	1.9	1.8	1.6	1.7
Do Not Use an Electric Coffee Maker.....	43.9	3.7	10.1	10.8	10.6	8.7
Time Coffee Maker is Left On						
Turned off Right Away.....	21.6	2.1	5.0	5.4	4.2	5.0
Less than 15 Minutes.....	11.2	1.1	2.8	3.1	1.8	2.4
15 Minutes to 1 Hour.....	21.1	2.8	4.7	5.1	4.4	4.2
More Than 1 Hour.....	13.2	1.3	3.5	3.0	3.0	2.5

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		Less than 2,000 CDD and --					
		Greater than 7,000 HDD	5,500 to 7,000 HDD	4,000 to 5,499 HDD	Less than 4,000 HDD		
Electric Toaster Oven							
Use an Electric Toaster Oven.....	37.3	2.3	8.7	9.6	8.8	7.9	
3 or More Times a Day.....	0.9	Q	0.3	0.3	Q	Q	
2 Times a Day.....	3.2	0.4	0.7	0.7	0.7	0.7	
Once a Day.....	9.0	0.5	2.2	2.3	2.1	1.9	
A Few Times Each Week.....	11.6	0.6	2.6	3.2	2.8	2.5	
About Once a Week.....	4.4	0.2	1.0	1.2	1.0	1.0	
Less Than Once a Week.....	8.1	0.6	1.9	2.0	2.1	1.6	
Do Not Use an Electric Toaster Oven.....	73.8	8.6	17.4	17.7	15.2	14.9	
Electric Toaster Oven Function							
Used Only as a Toaster.....	22.0	1.3	4.7	5.6	5.7	4.7	
Used Only as an Oven.....	5.7	0.4	1.4	1.5	1.1	1.4	
Used Both as a Toaster and an Oven.....	9.6	0.6	2.6	2.5	2.0	1.8	
Refrigerators							
Most-Used Refrigerator							
Age of Most-Used Refrigerator							
Less than 2 Years.....	19.0	1.4	4.3	4.5	5.0	3.8	
2 to 4 Years.....	22.7	2.2	4.8	5.4	4.8	5.6	
5 to 9 Years.....	30.9	3.3	6.8	7.3	7.2	6.2	
10 to 19 Years.....	25.7	2.7	6.5	6.8	5.1	4.6	
20 Years or More.....	6.1	0.8	1.7	1.6	0.9	1.2	
Don't Know.....	6.7	0.5	2.0	1.8	1.0	1.4	
Energy Star (Most-Used) Refrigerator²							
Yes.....	23.9	2.3	5.6	5.7	6.2	4.2	
No.....	12.9	0.8	2.6	3.0	2.9	3.6	
Don't Know.....	4.9	0.6	0.9	1.2	0.6	1.6	
Unit is More Than 4 Years Old.....	69.4	7.3	17.0	17.5	14.2	13.4	
Use a Second Refrigerator.....	24.6	3.3	5.9	6.5	4.8	4.2	
Age of Second Refrigerator							
Less than 2 Years.....	2.3	0.3	0.4	0.6	0.5	0.4	
2 to 4 Years.....	3.8	0.4	0.8	1.1	0.8	0.8	
5 to 9 Years.....	5.3	0.7	1.1	1.4	1.2	0.9	
10 to 19 Years.....	8.6	1.1	2.2	2.3	1.7	1.3	
20 Years or More.....	4.1	0.8	1.3	0.8	0.6	0.6	
Don't Know.....	0.5	Q	Q	Q	Q	Q	
Do Not Use a Second Refrigerator.....	86.3	7.7	20.1	20.8	19.2	18.6	
Number of Months Turned on Each Year							
1 to 3 Months.....	1.9	0.3	0.3	0.6	0.4	0.4	
4 to 6 Months.....	0.9	Q	0.4	Q	Q	Q	
7 to 11 Months.....	0.5	Q	Q	Q	Q	Q	
On all the Time.....	21.2	2.7	5.1	5.5	4.2	3.7	

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Dishwasher						
Use a Dishwasher.....	64.7	6.7	14.8	15.2	14.1	13.8
At Least Once Each Day.....	11.3	1.5	2.3	2.8	2.4	2.3
4 to 6 Times a Week.....	11.7	1.6	2.7	3.0	2.3	2.1
2 to 3 Times a Week.....	21.8	2.4	5.5	5.0	4.5	4.4
Once each Week.....	9.0	0.7	2.0	2.0	2.4	1.9
Less than Once Each Week.....	10.9	0.6	2.4	2.4	2.6	3.0
Do Not Use a Dishwasher.....	46.4	4.2	11.2	12.1	9.9	9.0
Energy Star Dishwasher²						
Yes.....	16.4	1.8	4.0	3.3	3.4	3.8
No.....	6.6	0.5	1.3	1.2	1.6	1.9
Don't Know.....	3.1	0.5	0.7	0.9	0.3	0.7
Unit is More Than 4 Years Old.....	38.6	3.9	8.8	9.8	8.8	7.3
Clothes Washers and Dryers						
Clothes Washer						
Use a Clothes Washer in the Home.....	91.8	9.8	20.9	21.6	20.0	19.5
1 Load Each Week.....	7.3	0.6	1.5	1.8	1.7	1.7
2 to 5 Loads Each Week.....	39.0	4.3	8.9	8.8	8.3	8.8
6 to 9 Loads Each Week.....	33.8	3.6	7.7	8.6	7.4	6.6
10 to 15 Loads Each Week.....	9.3	1.0	2.2	1.9	2.2	1.9
More than 15 Loads Each Week.....	2.4	0.4	0.5	0.5	0.5	0.5
Do Not Use a Clothes Washer in the Home.....	19.3	1.1	5.2	5.7	3.9	3.3
Usual Water Temperature Setting						
Wash Cycle						
Hot.....	6.7	0.4	1.3	2.0	1.6	1.3
Warm.....	50.5	6.1	12.8	12.4	10.1	9.1
Cold.....	34.6	3.3	6.7	7.2	8.3	9.0
Rinse Cycle						
Hot.....	1.6	Q	0.3	0.4	0.3	0.5
Warm.....	18.2	1.9	4.1	4.7	3.8	3.7
Cold.....	72.0	7.8	16.5	16.5	15.9	15.3
Energy Star Clothes Washer²						
Yes.....	21.7	2.2	5.1	5.0	5.2	4.2
No.....	10.4	0.9	1.7	2.4	2.6	2.8
Don't Know.....	4.5	0.5	0.9	0.9	0.9	1.3
Unit is More Than 4 Years Old.....	55.1	6.2	13.2	13.3	11.3	11.1
Loads of Clothes Dried						
Use a Clothes Dryer in the Home.....	87.5	9.6	20.3	20.0	19.3	18.2
Every Time Clothes are Washed.....	72.4	6.7	16.8	17.0	15.9	16.1
Some, but Not All, Loads.....	12.4	2.5	3.0	2.6	2.8	1.6
Used Infrequently.....	2.7	0.4	0.6	0.4	0.7	0.5
Do Not Use a Clothes Dryer in the Home.....	23.6	1.3	5.7	7.3	4.6	4.6

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Other Appliances						
Ceiling Fans						
1.....	21.7	2.8	5.5	5.3	4.9	3.2
2.....	17.4	1.9	3.9	4.5	3.8	3.3
3.....	12.3	1.3	2.7	2.9	2.2	3.2
4 or More.....	25.8	1.4	5.0	4.8	5.7	8.9
Use of Most-Used Ceiling Fan						
Used All Summer.....	18.7	2.3	4.6	4.9	4.3	2.6
Used Quite a Bit.....	16.2	2.0	4.1	3.3	3.4	3.4
Used Only a Few Days or Nights.....	39.3	2.7	7.6	8.7	8.4	11.9
Not Used at All.....	2.9	0.4	0.8	0.6	0.6	0.6
Battery-Operated Appliances/Tools						
Use Battery-Operated Appliances/Tools.....	54.9	6.3	12.3	13.4	11.9	11.0
Plugged in All the Time.....	10.0	0.7	2.1	2.7	2.2	2.4
Recharged as Needed.....	41.6	5.2	9.4	9.9	9.2	8.0
Both Ways Are Used.....	3.3	0.5	0.8	0.8	0.6	0.7
Do Not Use Battery-Operated Appliances/Tools...	56.2	4.6	13.8	13.9	12.1	11.8
Other Appliances Used						
Auto Block/Engine/Battery Heater.....	0.8	0.5	0.2	N	N	N
Hot Tub or Spa.....	6.7	0.9	1.2	1.4	1.6	1.6
Swimming Pool with Filters.....	8.3	0.5	1.5	1.5	2.2	2.7
Water Bed.....	2.2	0.3	0.7	0.5	Q	0.5

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. The question of whether the appliance was an *Energy Star* appliance was asked only of those housing units having a appliance that was less than 4 years old.

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.