

Table HC6-2a. Usage Indicators by Year of Construction,
Million U.S. Households, 2001

Usage Indicators	Total	Year of Construction						RSE Row Factors
		1990 to 2001 ¹	1980 to 1989	1970 to 1979	1960 to 1969	1950 to 1959	1949 or Before	
RSE Column Factor:	0.4	1.5	1.1	1.1	1.2	1.1	0.9	
Total.....	107.0	15.5	18.2	18.8	13.8	14.2	26.6	4.2
Weekday Home Activities								
Home Used for Business								
Yes.....	7.6	1.5	1.0	1.5	0.8	1.0	1.8	13.6
No.....	99.4	13.9	17.3	17.3	12.9	13.2	24.8	4.3
Energy-Intensive Activity								
Yes.....	1.7	0.3	0.3	0.2	0.3	0.2	0.4	24.5
No.....	105.2	15.1	18.0	18.5	13.5	13.9	26.2	4.3
Someone Home All Day								
Yes.....	53.0	7.6	8.4	9.1	7.1	7.5	13.2	5.6
No.....	53.9	7.8	9.7	9.6	6.6	6.7	13.4	5.1
Heating								
Heat Home.....	106.0	15.4	18.2	18.6	13.6	13.9	26.4	4.2
Do Not Heat Home.....	1.0	Q	Q	Q	0.2	0.3	Q	23.7
No Heating Equipment.....	0.5	Q	Q	Q	0.2	Q	Q	32.0
Have Equipment But Do Not Use It.....	0.4	Q	Q	Q	Q	Q	Q	43.6
Adequacy of Insulation								
Well Insulated.....	42.6	9.8	8.6	7.2	5.2	4.4	7.4	6.0
Adequately Insulated.....	43.1	4.9	7.5	7.9	5.8	6.3	10.7	6.0
Poorly Insulated.....	19.4	0.6	2.0	3.3	2.6	3.2	7.6	9.6
No Insulation.....	0.9	Q	Q	Q	Q	Q	0.5	30.3
Don't Know.....	0.9	Q	Q	Q	Q	Q	0.4	33.9
Occurrences of Drafts During Winter								
All of the Time.....	5.9	0.4	0.7	1.1	0.7	0.6	2.4	17.0
Most of the Time.....	6.4	0.3	0.7	1.3	0.8	1.0	2.4	16.1
Some of the Time.....	34.6	4.1	5.4	5.3	4.3	5.3	10.2	6.9
Never.....	55.3	10.2	10.4	10.2	7.3	6.7	10.5	5.5
Don't Know.....	4.7	0.5	1.1	0.9	0.6	0.6	1.0	16.7
Thermostat								
Heat Home.....	106.0	15.4	18.2	18.6	13.6	13.9	26.4	4.2
Thermostat Available During Heating Season.....	91.5	15.0	16.4	16.6	11.6	11.7	20.0	4.8
Programmable ²								
Yes.....	25.1	5.2	4.3	3.8	3.2	3.5	5.1	9.3
No.....	66.4	9.8	12.1	12.9	8.4	8.3	14.9	5.3
No Thermostat.....	14.5	0.4	1.8	1.9	2.0	2.1	6.3	11.5
Do Not Heat Home.....	1.0	Q	Q	Q	0.2	0.3	Q	23.7
Lower Winter Temperature Settings ²								
Daytime When No One is at Home								
Yes.....	47.2	7.3	8.1	8.6	6.3	6.3	10.7	6.0
No.....	48.5	7.1	8.4	7.9	6.0	6.1	13.0	5.8
Unknown.....	10.3	1.1	1.7	2.1	1.3	1.5	2.6	11.7
During Sleeping Hours								
Yes.....	45.7	6.7	7.9	7.8	6.0	6.5	10.9	6.1
No.....	51.1	7.9	8.8	8.9	6.4	6.1	13.0	5.6
Unknown.....	9.2	0.9	1.5	1.9	1.2	1.3	2.4	12.2

See footnotes at end of table.

Table HC6-2a. Usage Indicators by Year of Construction,
Million U.S. Households, 2001 (Continued)

Usage Indicators	Total	Year of Construction						RSE Row Factors
		1990 to 2001 ¹	1980 to 1989	1970 to 1979	1960 to 1969	1950 to 1959	1949 or Before	
RSE Column Factor:	0.4	1.5	1.1	1.1	1.2	1.1	0.9	
Daytime Winter Temperature When Someone is at Home ²								
Heat Turned On.....	96.8	14.6	16.6	16.7	12.3	12.6	24.0	4.4
63 Degrees or Less.....	3.9	0.4	0.5	0.7	0.6	0.6	1.1	16.6
64 to 66 Degrees.....	8.4	1.0	1.3	1.1	1.1	1.2	2.7	13.3
67 to 69 Degrees.....	23.6	4.1	3.4	4.0	3.0	3.2	5.9	8.1
70 Degrees.....	25.7	4.0	4.3	4.4	3.2	3.2	6.5	7.5
71 to 73 Degrees.....	16.5	2.7	3.1	2.8	2.2	2.1	3.6	9.3
74 Degrees or More.....	18.6	2.4	4.0	3.7	2.1	2.3	4.1	9.0
Heat Turned Off.....	2.0	Q	0.3	0.7	0.2	0.3	0.3	24.5
Unknown/No Answer.....	7.2	0.6	1.3	1.2	1.0	1.0	2.1	14.5
Daytime Winter Temperature When No One is at Home ²								
Heat Turned On.....	87.6	13.3	15.0	14.7	11.0	11.4	22.2	4.3
63 Degrees or Less.....	17.7	2.2	2.9	3.0	2.2	2.4	5.0	9.9
64 to 66 Degrees.....	17.2	3.0	2.2	2.8	2.3	2.4	4.4	9.7
67 to 69 Degrees.....	19.1	3.2	3.3	3.1	2.4	2.6	4.5	8.9
70 Degrees.....	15.1	2.2	2.4	2.7	1.9	1.8	4.1	9.8
71 to 73 Degrees.....	8.7	1.4	1.7	1.2	1.2	1.2	2.1	11.5
74 Degrees or More.....	9.8	1.4	2.6	1.7	0.9	1.1	2.1	12.8
Heat Turned Off.....	10.5	1.2	1.8	2.6	1.6	1.5	1.8	13.4
Unknown/No Answer.....	8.0	0.8	1.4	1.4	1.0	1.1	2.4	13.5
Winter Temperature During Sleeping Hours ²								
Heat Turned On.....	91.8	13.8	15.9	15.6	11.6	12.0	23.0	4.5
63 Degrees or Less.....	15.4	1.8	2.4	2.5	2.0	2.3	4.5	9.8
64 to 66 Degrees.....	17.4	2.5	2.8	2.7	2.3	2.5	4.6	8.8
67 to 69 Degrees.....	21.0	3.7	3.4	3.4	3.0	2.8	4.7	7.8
70 Degrees.....	17.4	2.8	2.6	3.1	1.8	2.3	4.8	8.9
71 to 73 Degrees.....	9.5	1.4	1.9	1.7	1.4	1.0	2.2	12.0
74 Degrees or More.....	11.1	1.7	2.9	2.2	1.0	1.1	2.2	12.0
Heat Turned Off.....	7.1	1.0	1.0	1.8	1.1	1.0	1.3	15.5
Unknown/No Answer.....	7.1	0.6	1.3	1.2	0.9	1.0	2.1	14.5
Air-Conditioning								
Central Air-Conditioning								
Use a Central System.....	58.6	12.8	13.9	11.3	7.2	6.9	6.4	5.8
All Summer.....	28.4	6.3	7.5	5.8	3.3	2.8	2.7	8.3
Quite a Bit.....	12.1	2.8	2.7	2.2	1.6	1.4	1.5	11.4
Only a Few Times.....	16.8	3.5	3.5	3.0	2.1	2.5	2.2	10.0
Not at All.....	1.4	Q	0.2	0.4	Q	Q	Q	26.5
No Central System.....	48.4	2.6	4.3	7.4	6.6	7.3	20.2	6.4
Window/Wall Air-Conditioning								
Use Window/Wall Units.....	25.1	0.8	2.3	3.5	3.3	3.8	11.3	8.5
All Summer.....	4.9	0.2	0.4	0.7	0.7	0.7	2.2	19.3
Quite a Bit.....	5.2	Q	0.5	0.8	0.7	0.6	2.5	17.2
Only a Few Times.....	14.1	0.4	1.3	1.8	1.8	2.4	6.3	10.4
Not at All.....	0.9	Q	Q	Q	Q	Q	0.4	37.3
No Window/Wall Units.....	81.9	14.6	16.0	15.2	10.5	10.4	15.3	4.3

See footnotes at end of table.

Table HC6-2a. Usage Indicators by Year of Construction,
 Million U.S. Households, 2001 (Continued)

Usage Indicators	Total	Year of Construction						RSE Row Factors
		1990 to 2001 ¹	1980 to 1989	1970 to 1979	1960 to 1969	1950 to 1959	1949 or Before	
RSE Column Factor:	0.4	1.5	1.1	1.1	1.2	1.1	0.9	
Hot Water								
Dishwasher Use Each Week								
Use a Dishwasher.....	56.7	12.3	12.8	10.4	7.0	6.2	8.1	5.7
Less Than Once a Week.....	9.4	1.5	2.1	2.0	1.5	1.0	1.4	12.3
Once Each Week.....	7.5	1.3	1.5	1.5	1.1	0.9	1.2	14.2
2 to 3 Times.....	17.8	3.6	4.3	3.2	2.1	2.5	2.1	9.8
4 to 6 Times.....	11.7	3.2	2.7	1.7	1.5	0.9	1.7	11.5
At Least Once Each Day.....	10.4	2.8	2.2	2.0	0.9	0.9	1.7	11.5
No Dishwasher.....	50.3	3.2	5.5	8.4	6.8	8.0	18.5	5.9
Loads of Laundry Washed Each Week								
Use a Clothes Washer.....	84.1	13.8	14.8	13.9	10.1	11.8	19.7	4.5
1 Load or Less.....	6.8	0.4	1.1	1.2	1.0	1.0	2.1	13.3
2 to 9 Loads.....	65.1	11.1	11.3	10.7	7.9	9.5	14.7	4.9
10 to 15 Loads.....	9.6	2.0	1.9	1.6	0.9	1.1	2.1	11.0
More than 15 Loads.....	2.7	0.4	0.5	0.5	0.3	0.2	0.8	22.1
No Washing Machine.....	22.9	1.6	3.5	4.9	3.7	2.3	6.9	9.5
Water Temperature Setting for Clothes Washer								
Wash Cycle								
Hot.....	6.2	0.9	0.9	1.1	0.8	0.9	1.6	13.9
Warm.....	49.7	8.0	8.6	8.0	5.8	7.3	12.0	5.9
Cold.....	28.2	5.0	5.3	4.7	3.5	3.6	6.1	7.2
Rinse Cycle								
Hot.....	1.4	0.3	Q	0.3	Q	Q	0.3	30.4
Warm.....	16.6	2.7	2.7	2.8	1.9	2.8	3.9	10.0
Cold.....	66.1	10.9	12.0	10.8	8.0	8.8	15.5	5.1
No Washing Machine.....	22.9	1.6	3.5	4.9	3.7	2.3	6.9	9.5
Clothes Dryer								
Use a Clothes Dryer.....	78.8	13.6	14.2	13.0	9.5	10.7	17.9	4.7
Every Time Clothes are Washed...	63.5	11.4	12.0	10.6	6.9	8.6	13.9	5.1
Some, but not All, Loads.....	12.7	1.9	1.9	2.0	2.0	1.7	3.2	9.8
Used Infrequently.....	2.7	0.2	0.2	0.4	0.5	0.4	0.8	21.1
No Clothes Dryer.....	28.2	1.8	4.1	5.8	4.3	3.5	8.7	8.2
Cooking								
Number of Hot Meals Cooked in the Home								
3 or More Times a Day.....	7.5	1.3	1.0	1.3	1.0	1.0	1.9	13.4
2 Times a Day.....	26.8	4.4	4.1	4.5	3.4	3.7	6.7	7.1
Once a Day.....	43.3	6.6	7.5	7.4	6.0	5.4	10.4	5.8
A Few Times Each Week.....	21.7	2.4	4.3	4.2	2.5	3.1	5.2	8.4
About Once a Week.....	4.0	0.5	0.6	0.9	0.4	0.6	1.2	18.3
Less Than Once a Week.....	2.4	Q	0.4	0.4	0.3	0.4	0.8	23.1
No Hot Meals Cooked.....	1.2	Q	0.4	Q	Q	Q	0.4	39.0
Conventional Oven								
Use a Conventional Oven.....	99.4	13.7	16.8	17.4	12.7	13.4	25.3	4.3
More Than Once a Day.....	8.6	1.5	1.3	1.5	1.1	1.1	2.1	13.6
Once a Day.....	17.4	2.7	3.2	2.9	2.4	2.2	4.0	8.5
Between Once a Day and								
Once a Week.....	33.1	5.1	5.4	6.0	3.9	4.8	7.9	7.0
Once a Week.....	15.6	2.2	2.5	3.0	2.3	1.7	3.9	9.6
Less Than Once a Week.....	24.6	2.2	4.4	4.0	3.1	3.6	7.3	8.4
Do Not Use.....	7.6	1.8	1.4	1.3	1.1	0.8	1.3	15.4

See footnotes at end of table.

Table HC6-2a. Usage Indicators by Year of Construction,
Million U.S. Households, 2001 (Continued)

Usage Indicators	Total	Year of Construction						RSE Row Factors
		1990 to 2001 ¹	1980 to 1989	1970 to 1979	1960 to 1969	1950 to 1959	1949 or Before	
RSE Column Factor:	0.4	1.5	1.1	1.1	1.2	1.1	0.9	
Microwave Oven								
Use a Microwave Oven.....	92.1	14.4	15.9	16.5	11.7	12.2	21.4	4.2
Most or All.....	8.2	1.0	1.5	1.5	1.3	1.2	1.8	13.2
About Half.....	19.3	3.1	3.6	3.1	2.7	2.4	4.4	8.8
Some or Very Little.....	22.4	4.0	4.0	4.0	2.6	2.8	5.1	8.2
For Defrosting, Reheating, or Snacks.....	42.2	6.3	6.9	7.9	5.3	5.7	10.1	6.1
No Microwave Oven.....	14.8	1.0	2.3	2.3	2.0	2.0	5.2	11.0
Electric Coffee Maker								
Use an Electric Coffee Maker.....	65.5	10.6	11.2	11.0	8.4	8.8	15.5	4.9
Three or More Times a Day.....	2.4	0.5	0.2	0.3	0.3	0.4	0.7	22.8
Two Times a Day.....	5.9	0.8	0.8	1.0	0.8	0.8	1.8	14.0
Once a Day.....	33.6	5.9	5.8	5.5	4.5	4.4	7.5	6.4
A Few Times Each Week.....	9.4	1.5	1.7	1.7	1.1	1.3	2.1	11.3
About Once a Week.....	5.2	0.8	1.0	0.9	0.6	0.7	1.1	16.9
Less than Once a Week.....	9.0	1.1	1.6	1.6	1.2	1.2	2.3	11.8
No Electric Coffee Maker.....	41.5	4.9	7.1	7.8	5.3	5.3	11.1	6.0
Time Electric Coffee Maker is Left On								
Turned Off Right Away.....	18.8	2.3	3.4	2.9	2.7	2.5	5.0	8.5
Less than 15 Minutes.....	10.0	1.5	2.0	1.6	1.2	1.5	2.2	10.7
15 Minutes to 1 Hour.....	24.6	4.8	3.8	4.2	3.0	3.4	5.3	8.1
More than 1 Hour.....	12.1	1.9	2.0	2.2	1.6	1.4	3.0	10.8
Electric Toaster								
Use a Electric Toaster.....	36.1	5.3	7.0	6.1	4.9	4.4	8.4	6.9
Three or More Times a Day.....	1.0	Q	Q	Q	Q	Q	0.4	34.0
Two Times a Day.....	2.7	0.5	0.5	0.4	0.3	0.4	0.6	22.5
Once a Day.....	8.2	1.0	1.7	1.3	1.3	1.0	2.0	13.4
A Few Times Each Week.....	11.9	1.9	2.2	2.2	1.6	1.5	2.6	10.9
About Once a Week.....	4.3	0.7	0.7	0.8	0.7	0.5	0.9	16.3
Less than Once a Week.....	7.9	1.2	1.7	1.2	1.1	0.9	1.9	12.3
No Electric Toaster.....	70.9	10.1	11.3	12.7	8.8	9.8	18.2	4.6
Lights								
Indoor Lights Turned On:								
1 to 4 Hours per Day								
None.....	10.2	1.1	1.6	1.9	1.2	1.4	3.1	12.6
1.....	30.1	3.6	4.9	4.9	4.3	4.0	8.4	7.3
2.....	30.7	4.4	5.5	5.6	3.6	3.9	7.7	7.7
3.....	16.6	2.8	2.9	3.1	2.2	2.4	3.1	9.2
4.....	10.5	1.5	1.7	1.9	1.3	1.5	2.5	12.0
5 or More.....	8.8	2.1	1.7	1.2	1.1	1.0	1.8	13.9
Between 4 and 12 Hours per Day								
None.....	30.2	4.1	4.7	5.1	3.7	4.0	8.6	7.7
1.....	25.2	2.9	4.4	4.5	3.6	3.5	6.2	7.7
2.....	25.5	3.7	4.2	5.1	3.4	3.3	5.7	7.7
3.....	12.7	1.7	2.5	2.3	1.5	1.9	2.8	10.7
4.....	7.2	1.2	1.3	1.1	0.8	0.8	1.9	13.6
5 or More.....	6.2	1.8	1.1	0.6	0.8	0.6	1.4	15.9
More than 12 Hours per Day								
None.....	81.1	11.9	14.0	13.9	10.3	10.8	20.2	4.5
1.....	14.4	2.0	2.0	3.0	1.9	2.0	3.6	10.4
2.....	6.8	0.8	1.2	1.0	1.1	0.9	1.8	15.1
3.....	2.4	0.4	0.5	0.5	Q	0.3	0.5	26.1
4.....	1.3	Q	0.2	Q	Q	Q	0.4	31.7
5 or More.....	1.1	Q	0.3	Q	Q	Q	Q	29.3

See footnotes at end of table.

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		1990 to 2001 ¹	1980 to 1989	1970 to 1979	1960 to 1969	1950 to 1959	1949 or Before	
RSE Column Factor:	0.4	1.5	1.1	1.1	1.2	1.1	0.9	
Outdoor Lights on All Night								
Used.....	24.5	3.4	4.7	4.7	3.2	3.6	4.9	8.4
Not Used	82.5	12.1	13.5	14.1	10.6	10.5	21.7	4.5
Gas Fireplace								
Use a Gas Fireplace During Winter								
Months.....	3.7	1.4	0.7	0.6	0.3	0.3	0.5	19.5
Most Days.....	1.3	0.4	0.2	0.2	Q	Q	0.3	30.8
Almost Once a Week.....	1.1	0.6	Q	Q	Q	Q	Q	29.0
Less Than 4 Times a Month.....	1.2	0.4	0.3	Q	Q	Q	Q	27.3
Use a Personal Computer.....	60.0	11.0	11.6	10.3	7.2	7.8	12.0	5.3
Hours PC Turned On Each Week								
Less Than 2 Hours.....	10.3	1.8	1.8	2.1	1.2	1.5	1.9	12.0
2 to 15 Hours.....	26.3	4.6	5.1	4.4	3.3	3.4	5.5	7.5
16 to 40 Hours.....	12.2	2.7	2.7	1.6	1.5	1.5	2.3	11.0
More than 40 Hours.....	5.7	0.8	1.1	1.2	0.7	0.8	1.1	15.4
On All The Time.....	5.6	1.1	0.9	1.0	0.6	0.6	1.3	16.3
Use of PCs Turned on 16 Hours								
a Week or More								
Personal Use Only.....	14.0	2.5	2.7	2.4	1.7	2.0	2.7	9.7
Business Use Only.....	2.1	0.5	0.4	0.3	0.3	0.2	0.4	23.6
Both Personal and Business.....	7.3	1.6	1.7	1.1	0.7	0.7	1.5	14.0
Business Use of PCs Turned on 16								
Hours a Week or More								
Use to Telecommute.....	3.6	0.9	0.8	0.5	0.4	0.2	0.7	22.1
Other Business Use.....	5.8	1.2	1.3	0.9	0.6	0.7	1.2	15.0
Battery Operated Appliances/Tools								
Use Battery Operated Appliances/ Tools.....	47.7	8.1	8.3	8.2	6.1	6.5	10.5	6.0
How Maintained When								
Not in Use								
Plugged in All The Time.....	10.8	1.8	2.2	1.8	1.4	1.7	1.9	12.3
Recharged As Needed.....	33.8	5.7	5.7	5.8	4.4	4.4	7.8	6.8
Both Ways are Used.....	3.1	0.7	0.3	0.6	0.2	0.4	0.8	20.7
Don't Use Any.....	59.3	7.3	10.0	10.6	7.7	7.6	16.1	5.3

¹ New construction for 2001 includes only those housing units built and occupied between January and the April-August period when the household interviews were conducted.

² The 1.0 million households that do not heat their homes are not included in these categories.

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. • All temperatures listed are in degrees Fahrenheit.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-457 A, B, C of the 2001 Residential Energy Consumption Survey.