Table HC2.5 Space Heating Usage Indicators by Type of Housing Unit, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	Housing Units (millions)	Type of Housing Unit				
		Single-Family Units		Apartments in Buildings With--		
		Detached	Attached	2 to 4 Units	5 or More Units	Mobile Homes
Total U.S. Housing Units	111.1	72.1	7.6	7.8	16.7	6.9
Do Not Have Heating Equpment	1.2	0.4	Q	Q	0.4	Q
Have Space Heating Equpment	109.8	71.7	7.5	7.6	16.3	6.8
Use Space Heating Equpment	109.1	71.5	7.4	7.4	16.0	6.7
Have But Do Not Use Equipment	0.8	Q	Q	Q	Q	Q
Space Heating Usage During 2005						
Heated Floorspace (Square Feet)						
None	3.6	1.1	Q	0.5	1.3	0.4
1 to 499	6.1	2.0	0.4	1.1	2.1	0.6
500 to 999	27.7	9.8	2.0	3.7	9.0	3.3
1,000 to 1,499	26.0	16.4	2.1	1.8	3.6	2.1
1,500 to 1,999	17.6	15.2	1.1	0.4	0.5	0.4
2,000 to 2,499	10.7	9.5	0.9	Q	Q	Q
2,500 to 2,999	7.7	7.1	0.4	Q	Q	Q
3,000 to 3,499	3.8	3.6	Q	Q	N	N
3,500 to 3,999	2.6	2.4	Q	Q	Q	N
4,000 or More	5.2	4.9	Q	Q	Q	N
Total Number of Rooms (Excluding Bathrooms)						
0	2.1	0.7	Q	Q	0.8	Q
1 or 2	3.1	Q	Q	0.4	2.4	Q
3	8.3	0.6	0.7	1.3	4.8	0.9
4	16.6	4.6	1.7	2.7	5.4	2.1
5	23.3	14.8	1.6	2.0	2.7	2.3
6	22.6	18.9	1.7	0.6	0.4	0.9
7	16.3	14.8	0.8	Q	Q	0.4
8	9.7	8.9	0.5	Q	N	Q
9 or More	9.1	8.4	0.4	Q	Q	Q
At Home Behavior						
Home Used for Business						
Yes	8.9	7.4	0.4	Q	0.5	0.4
No	102.2	64.6	7.2	7.5	16.3	6.6
Someone Home All Day						
Yes	56.4	39.0	3.4	3.6	6.9	3.6
No	54.7	33.0	4.2	4.2	9.9	3.4
Housing Unit Characteristics Affecting Usage						
Adequacy of Insulation						
Well Insulated	42.8	29.8	2.3	2.8	6.0	1.9
Adequately Insulated	46.3	29.9	3.6	2.8	7.1	2.9
Poorly Insulated	19.0	11.2	1.4	1.6	2.8	2.0
No Insulation	1.4	0.7	Q	Q	Q	Q
Don't Know	1.7	0.5	0.3	0.3	0.6	Q
Home is Too Drafty During the Winter						
Never	62.9	43.1	3.7	3.9	9.0	3.2
Some of the Time	32.4	20.8	2.6	2.4	4.4	2.2
Most of the Time	6.1	3.5	0.3	0.7	1.0	0.6
All of the Time	5.6	3.1	0.6	0.4	0.9	0.6
Don't Know	4.1	1.6	0.4	0.4	1.4	Q

Table HC2.5 Space Heating Usage Indicators by Type of Housing Unit, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	Housing Units (millions)	Type of Housing Unit				
		Single-Family Units		Apartments in Buildings With--		Mobile Homes
		Detached	Attached	2 to 4 Units	5 or More Units	
Unusually High Ceilings						
Yes	27.2	22.6	1.8	1.2	1.6	N
No	76.9	49.5	5.8	6.5	15.1	N
Not Asked (Mobile Homes)	6.9	N	N	N	N	6.9
Cathedral Ceilings						
(In Housing Units with High Ceilings)						
Yes	17.1	14.9	1.2	0.3	0.7	N
No	10.1	7.7	0.6	0.9	0.9	N
Type of Glass in Windows						
Single-pane Glass	50.7	28.9	3.6	4.1	9.5	4.6
Double-pane Glass						
Without Low-e Coating	50.6	34.5	3.7	3.3	6.8	2.2
With Low-e Coating	8.0	7.3	0.3	Q	Q	Q
Triple-pane Glass						
Without Low-e Coating	1.0	0.9	N	N	Q	N
With Low-e Coating	0.3	0.3	Q	Q	Q	N
Proportion of Original Windows Replaced						
All	22.4	15.7	1.7	2.1	2.6	0.4
Some	21.6	17.1	1.4	1.0	1.0	1.2
None	62.3	38.1	3.8	4.0	11.3	5.1
Don't Know	4.7	1.1	0.7	0.7	1.9	0.2
Thermostats						
Do Not Have a Thermostat	15.3	7.0	0.9	1.6	4.6	1.2
Have a Thermostat	95.8	65.1	6.7	6.2	12.1	5.7
1	84.5	55.9	6.1	5.8	11.2	5.5
2 or More	11.3	9.2	0.6	0.4	0.9	0.2
Have a Programmable Thermostat						
Yes	33.1	25.8	2.2	1.7	2.4	1.1
No	62.7	39.2	4.5	4.5	9.8	4.6
Use of Programable Thermostats						
Reduces Temperature During Day						
Yes	18.6	14.7	0.9	1.1	1.1	0.8
No	14.5	11.2	1.3	0.6	1.3	0.3
Reduces Temperature at Night						
Yes	21.5	16.8	1.3	1.1	1.4	0.8
No	11.6	9.0	0.8	0.6	0.9	0.2

Table HC2.5 Space Heating Usage Indicators by Type of Housing Unit, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	Housing Units (millions)	Type of Housing Unit				
		Single-Family Units		Apartments in Buildings With--		
		Detached	Attached	2 to 4 Units	5 or More Units	Mobile Homes
Winter 2005 Temperature Settings						
Lower Temperature Settings						
Daytime When No One is at Home						
Yes	40.5	29.2	2.8	2.6	3.7	2.3
No	59.1	37.7	4.0	4.0	9.5	3.9
Unknown	11.4	5.2	0.8	1.2	3.5	0.8
During Sleeping Hours						
Yes	40.7	29.8	2.5	2.3	3.8	2.3
No	60.2	37.8	4.3	4.5	9.7	3.9
Unknown	10.2	4.4	0.8	1.0	3.3	0.7
Daytime Setting When No One is at Home						
Heat Turned On	93.7	63.4	6.5	6.1	11.9	5.9
63 Degrees or Less	18.9	13.1	1.2	1.5	1.8	1.2
64 to 66 Degrees	17.4	12.4	1.5	0.9	1.8	0.9
67 to 69 Degrees	17.8	13.1	1.3	1.0	1.5	0.8
70 Degrees	16.0	9.1	1.2	1.0	3.3	1.3
71 to 73 Degrees	10.2	7.2	0.7	0.7	0.9	0.6
74 Degrees or More	13.5	8.4	0.7	0.9	2.5	0.9
Don't Know/No Answer	7.4	3.4	0.5	0.7	2.2	0.5
Do Not Use Space Heating	1.3	0.4	Q	Q	0.5	Q
Heat Turned Off	8.7	4.9	0.5	0.8	2.1	0.4
Daytime Setting When Someone is at Home						
Heat Turned On	101.5	68.0	6.9	6.7	13.6	6.3
63 Degrees or Less	4.1	2.6	Q	0.6	0.6	Q
64 to 66 Degrees	8.2	5.4	0.8	0.6	0.9	0.5
67 to 69 Degrees	23.6	17.7	1.5	1.3	1.8	1.4
70 Degrees	24.6	15.3	2.0	1.5	4.2	1.7
71 to 73 Degrees	17.6	13.0	1.2	1.1	1.6	0.8
74 Degrees or More	23.2	14.0	1.2	1.7	4.4	1.8
Don't Know/No Answer	6.0	2.6	0.5	0.6	1.9	0.4
Do Not Use Space Heating	1.3	0.4	Q	Q	0.5	Q
Heat Turned Off	2.3	1.1	Q	Q	0.8	Q
Setting During Sleeping Hours						
Heat Turned On	98.1	65.8	6.7	6.5	12.9	6.2
63 Degrees or Less	13.0	9.3	0.8	1.1	1.1	0.8
64 to 66 Degrees	18.4	13.4	1.2	1.0	1.7	1.1
67 to 69 Degrees	20.8	15.2	1.5	1.2	1.9	1.0
70 Degrees	18.5	10.7	1.3	1.2	3.6	1.7
71 to 73 Degrees	11.1	7.9	0.7	0.6	1.4	0.5
74 Degrees or More	16.3	9.3	1.1	1.5	3.2	1.1
Don't Know/No Answer	6.4	2.9	0.4	0.6	2.0	0.4
Do Not Use Space Heating	1.3	0.4	Q	Q	0.5	Q
Heat Turned Off	5.4	3.0	0.4	0.5	1.3	0.2

Table HC2.5 Space Heating Usage Indicators by Type of Housing Unit, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	Housing Units (millions)	Type of Housing Unit				
		Single-Family Units		Apartments in Buildings With--		
		Detached	Attached	2 to 4 Units	5 or More Units	Mobile Homes
Secondary Heating						
Use Any Secondary Heating Equipment						
Yes	34.9	28.8	1.5	1.2	1.6	1.8
No	74.9	42.9	6.0	6.4	14.6	5.0
Proportion of Heat Provided by Secondary Heating Equipment						
Close to One-Half	4.4	3.5	Q	Q	0.4	Q
About One-Quarter	5.8	5.0	Q	Q	0.2	0.4
Very Little or None	24.7	20.4	1.1	0.9	1.0	1.3
Type of Supplemental Heating Equipment Used						
Heat Pump	0.6	0.6	N	N	Q	N
Central Warm-Air Furnace	2.3	2.0	N	Q	Q	Q
Steam/Hot Water System	Q	Q	Q	N	N	N
Built-in Electric Units	2.2	1.9	Q	Q	Q	Q
Built-in Pipeless Furnace	0.3	Q	N	Q	N	Q
Built-in Room Heaters	1.4	1.3	Q	N	N	Q
Heating Stove	2.1	2.0	Q	N	N	Q
Portable Electric Heaters	14.3	10.8	0.8	0.7	1.1	0.9
Portable Kerosene Heaters	0.6	0.5	Q	N	N	Q
Cooking Stove	0.5	0.2	Q	Q	Q	Q
Fireplace	10.5	9.3	0.4	0.3	Q	Q
Fireplace Fuel						
Wood	6.9	6.1	Q	Q	Q	Q
Natural Gas	2.7	2.3	0.2	Q	Q	N
Propane	0.9	0.9	N	N	N	N
Use of Gas Fireplace During Winter Months						
Most Days	1.2	1.0	Q	Q	Q	N
About Once a Week	1.3	1.2	Q	N	N	N
Less than 4 Times each Month	1.1	1.0	Q	Q	Q	N
Humidifier Use Each Year						
Use a Humidifier	14.2	10.9	1.1	0.5	1.3	0.5
1 to 3 Months Each Year	7.1	5.1	0.6	0.2	0.8	0.3
4 to 6 Months Each Year	5.6	4.6	0.3	Q	0.4	Q
7 to 9 Months Each Year	0.4	0.3	Q	N	N	Q
10 to 11 months	Q	Q	N	N	N	N
Turned on All Year Long	1.1	0.8	Q	Q	Q	Q
Do Not Use a Humidifier	96.9	61.2	6.5	7.3	15.5	6.4

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.

Table HC3.5 Space Heating Usage Indicators by Owner-Occupied Housing Unit, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	U.S. Housing Units (millions	Owner-Occupied Housing Units (millions)	Type of Owner-Occupied Housing Unit				
			Single-Family Units		Apartments in Buildings With--		
			Detached	Attached	2 to 4 Units	5 or More Units	Mobile Homes
Total U.S. Housing Units	111.1	78.1	64.1	4.2	1.8	2.3	5.7
Do Not Have Heating Equpment	1.2	0.6	0.3	N	Q	Q	Q
Have Space Heating Equpment	109.8	77.5	63.7	4.2	1.8	2.2	5.6
Use Space Heating Equpment	109.1	77.2	63.6	4.2	1.8	2.1	5.6
Have But Do Not Use Equipment	0.8	0.3	Q	N	Q	Q	Q
Space Heating Usage During 2005							
Heated Floorspace (Square Feet)							
None	3.6	1.5	0.9	Q	Q	Q	0.3
1 to 499	6.1	2.8	1.6	Q	Q	0.3	0.5
500 to 999	27.7	11.9	7.7	0.6	0.3	0.8	2.5
1,000 to 1,499	26.0	18.4	14.0	1.1	0.8	0.7	1.9
1,500 to 1,999	17.6	15.3	13.8	0.8	Q	Q	0.3
2,000 to 2,499	10.7	10.0	9.1	0.7	Q	Q	Q
2,500 to 2,999	7.7	7.2	6.7	0.3	Q	Q	Q
3,000 to 3,499	3.8	3.6	3.5	Q	Q	N	N
3,500 to 3,999	2.6	2.5	2.3	Q	Q	Q	N
4,000 or More	5.2	5.0	4.7	Q	Q	Q	N
Total Number of Rooms (Excluding Bathrooms)							
0	2.1	0.7	0.6	Q	Q	Q	Q
1 or 2	3.1	0.4	Q	N	N	Q	Q
3	8.3	1.4	0.3	Q	Q	0.3	0.7
4	16.6	7.3	3.5	0.6	0.6	1.0	1.6
5	23.3	16.3	12.5	0.9	0.4	0.5	2.0
6	22.6	19.1	16.8	1.2	0.3	Q	0.7
7	16.3	15.0	13.8	0.6	Q	Q	0.4
8	9.7	9.1	8.5	0.4	Q	N	Q
9 or More	9.1	8.8	8.1	0.4	Q	Q	Q
At Home Behavior							
Home Used for Business							
Yes	8.9	7.7	6.9	0.3	Q	Q	0.4
No	102.2	70.4	57.1	3.8	1.8	2.2	5.4
Someone Home All Day							
Yes	56.4	41.4	34.6	1.8	0.9	1.0	3.0
No	54.7	36.7	29.4	2.3	0.9	1.3	2.8
Housing Unit Characteristics Affecting Usage							
Adequacy of Insulation							
Well Insulated	42.8	32.8	27.8	1.5	1.0	0.9	1.6
Adequately Insulated	46.3	33.0	26.8	2.1	0.5	1.0	2.4
Poorly Insulated	19.0	11.1	8.5	0.5	0.2	0.3	1.5
No Insulation	1.4	0.8	0.6	N	Q	Q	Q
Don't Know	1.7	0.4	0.3	N	Q	Q	Q
Home is Too Drafty During the Winter							
Never	62.9	47.6	39.6	2.3	1.2	1.5	2.9
Some of the Time	32.4	22.5	18.2	1.5	0.5	0.5	1.7
Most of the Time	6.1	3.5	2.7	Q	Q	Q	0.5
All of the Time	5.6	3.1	2.3	Q	Q	Q	0.5
Don't Know	4.1	1.4	1.3	Q	N	Q	Q

Table HC3.5 Space Heating Usage Indicators by Owner-Occupied Housing Unit, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	U.S. Housing Units (millions	Owner-Occupied Housing Units (millions)	Type of Owner-Occupied Housing Unit				
			Single-Family Units		Apartments in Buildings With--		
			Detached	Attached	2 to 4 Units	5 or More Units	Mobile Homes
Unusually High Ceilings							
Yes	27.2	23.7	21.3	1.5	0.5	0.3	N
No	76.9	48.7	42.7	2.7	1.4	2.0	N
Not Asked (Mobile Homes)	6.9	5.7	N	N	N	N	5.7
Cathedral Ceilings							
(In Housing Units with High Ceilings)							
Yes	17.1	15.5	14.3	1.0	Q	Q	N
No	10.1	8.1	7.1	0.5	0.3	Q	N
Type of Glass in Windows							
Single-pane Glass	50.7	30.6	23.6	1.3	0.7	1.2	3.8
Double-pane Glass							
Without Low-e Coating	50.6	38.5	32.1	2.6	1.0	1.0	1.9
With Low-e Coating	8.0	7.5	7.0	0.3	Q	Q	Q
Triple-pane Glass							
Without Low-e Coating	1.0	0.8	0.8	N	N	N	N
With Low-e Coating	0.3	0.3	0.3	Q	Q	Q	N
Proportion of Original Windows Replaced							
All	22.4	16.9	14.4	1.2	0.6	0.4	0.4
Some	21.6	18.2	15.8	0.9	0.4	Q	0.9
None	62.3	42.2	33.2	2.1	0.9	1.7	4.3
Don't Know	4.7	0.9	0.7	N	Q	Q	Q
Thermostats							
Do Not Have a Thermostat	15.3	7.7	5.8	0.3	Q	0.3	1.1
Have a Thermostat	95.8	70.4	58.3	3.8	1.6	2.0	4.7
1	84.5	60.7	49.4	3.4	1.4	1.9	4.5
2 or More	11.3	9.7	8.9	0.4	Q	Q	Q
Have a Programmable Thermostat							
Yes	33.1	27.7	23.9	1.6	0.6	0.8	0.8
No	62.7	42.6	34.4	2.2	1.0	1.2	3.9
Use of Programable Thermostats							
Reduces Temperature During Day							
Yes	18.6	16.2	14.0	0.8	0.5	0.4	0.6
No	14.5	11.5	10.0	0.9	Q	0.3	0.2
Reduces Temperature at Night							
Yes	21.5	18.6	15.9	1.1	0.5	0.5	0.7
No	11.6	9.1	8.1	0.6	Q	Q	Q

Table HC3.5 Space Heating Usage Indicators by Owner-Occupied Housing Unit, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	U.S. Housing Units (millions	Owner-Occupied Housing Units (millions)	Type of Owner-Occupied Housing Unit				
			Single-Family Units		Apartments in Buildings With--		Mobile Homes
			Detached	Attached	2 to 4 Units	5 or More Units	
Winter 2005 Temperature Settings							
Lower Temperature Settings							
Daytime When No One is at Home							
Yes	40.5	31.3	26.2	1.6	1.1	0.6	1.9
No	59.1	41.3	33.8	2.3	0.7	1.3	3.2
Unknown	11.4	5.5	4.1	Q	Q	0.4	0.6
During Sleeping Hours							
Yes	40.7	33.3	27.6	1.8	0.9	0.7	2.1
No	60.2	40.2	32.9	2.1	0.9	1.3	3.0
Unknown	10.2	4.7	3.5	Q	Q	0.3	0.6
Daytime Setting When No One is at Home							
Heat Turned On	93.7	68.7	56.7	3.8	1.7	1.6	4.9
63 Degrees or Less	18.9	13.9	11.5	0.6	0.5	Q	1.0
64 to 66 Degrees	17.4	13.5	11.4	1.0	0.3	Q	0.7
67 to 69 Degrees	17.8	14.4	12.2	1.0	0.3	Q	0.7
70 Degrees	16.0	10.3	8.0	0.6	Q	0.4	1.1
71 to 73 Degrees	10.2	7.8	6.5	0.4	Q	Q	0.6
74 Degrees or More	13.5	8.7	7.2	0.3	Q	0.4	0.7
Don't Know/No Answer	7.4	3.5	2.7	Q	Q	Q	0.4
Do Not Use Space Heating	1.3	0.6	0.3	N	Q	Q	Q
Heat Turned Off	8.7	5.3	4.3	Q	N	0.4	0.3
Daytime Setting When Someone is at Home							
Heat Turned On	101.5	73.9	60.9	4.0	1.8	1.9	5.2
63 Degrees or Less	4.1	2.4	2.1	Q	Q	N	Q
64 to 66 Degrees	8.2	6.1	5.0	0.5	Q	Q	0.3
67 to 69 Degrees	23.6	19.5	16.6	1.1	0.3	Q	1.2
70 Degrees	24.6	17.0	13.7	1.0	0.4	0.5	1.4
71 to 73 Degrees	17.6	14.1	11.8	0.7	0.4	Q	0.8
74 Degrees or More	23.2	14.7	11.6	0.4	0.4	0.8	1.5
Don't Know/No Answer	6.0	2.5	1.9	Q	Q	Q	0.4
Do Not Use Space Heating	1.3	0.6	0.3	N	Q	Q	Q
Heat Turned Off	2.3	1.1	0.9	Q	N	Q	Q
Setting During Sleeping Hours							
Heat Turned On	98.1	71.5	58.8	3.9	1.8	1.8	5.1
63 Degrees or Less	13.0	10.1	8.4	0.7	Q	Q	0.7
64 to 66 Degrees	18.4	14.9	12.5	0.9	0.5	Q	0.8
67 to 69 Degrees	20.8	16.8	14.2	1.1	0.4	0.3	0.9
70 Degrees	18.5	11.8	9.2	0.7	Q	0.4	1.4
71 to 73 Degrees	11.1	8.2	7.0	0.3	Q	Q	0.5
74 Degrees or More	16.3	9.6	7.6	0.4	Q	0.5	0.9
Don't Know/No Answer	6.4	2.9	2.2	Q	Q	Q	0.3
Do Not Use Space Heating	1.3	0.6	0.3	N	Q	Q	Q
Heat Turned Off	5.4	3.1	2.6	Q	N	Q	Q

Table HC3.5 Space Heating Usage Indicators by Owner-Occupied Housing Unit, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	U.S. Housing Units (millions	Owner-Occupied Housing Units (millions)	Type of Owner-Occupied Housing Unit				
			Single-Family Units		Apartments in Buildings With--		
			Detached	Attached	2 to 4 Units	5 or More Units	Mobile Homes
Secondary Heating							
Use Any Secondary Heating Equipment							
Yes	34.9	29.7	26.7	0.9	0.4	Q	1.6
No	74.9	47.8	37.0	3.2	1.4	2.0	4.1
Proportion of Heat Provided by Secondary Heating Equipment							
Close to One-Half	4.4	3.5	3.2	Q	N	N	Q
About One-Quarter	5.8	5.0	4.6	Q	Q	N	0.3
Very Little or None	24.7	21.2	18.9	0.7	0.3	Q	1.1
Type of Supplemental Heating Equipment Used							
Heat Pump	0.6	0.6	0.6	N	N	N	N
Central Warm-Air Furnace	2.3	2.2	2.0	N	N	N	Q
Steam/Hot Water System	Q	Q	Q	Q	N	N	N
Built-in Electric Units	2.2	1.8	1.7	Q	N	N	Q
Built-in Pipeless Furnace	0.3	Q	Q	N	N	N	N
Built-in Room Heaters	1.4	1.4	1.3	Q	N	N	Q
Heating Stove	2.1	1.9	1.9	Q	N	N	Q
Portable Electric Heaters	14.3	10.8	9.4	0.4	0.2	Q	0.8
Portable Kerosene Heaters	0.6	0.5	0.4	Q	N	N	Q
Cooking Stove	0.5	0.3	Q	Q	N	N	Q
Fireplace	10.5	9.7	8.9	0.3	Q	Q	Q
Fireplace Fuel							
Wood	6.9	6.3	5.8	Q	Q	Q	Q
Natural Gas	2.7	2.5	2.2	Q	Q	Q	N
Propane	0.9	0.9	0.9	N	N	N	N
Use of Gas Fireplace During Winter Months							
Most Days	1.2	1.1	1.0	Q	Q	N	N
About Once a Week	1.3	1.2	1.1	Q	N	N	N
Less than 4 Times each Month	1.1	1.1	1.0	Q	Q	Q	N
Humidifier Use Each Year							
Use a Humidifier	14.2	12.0	10.3	0.8	0.3	Q	0.5
1 to 3 Months Each Year	7.1	5.6	4.8	0.3	Q	Q	0.3
4 to 6 Months Each Year	5.6	5.1	4.5	Q	Q	Q	Q
7 to 9 Months Each Year	0.4	0.4	0.2	Q	N	N	Q
10 to 11 months	Q	Q	Q	N	N	N	N
Turned on All Year Long	1.1	0.9	0.7	Q	N	Q	Q
Do Not Use a Humidifier	96.9	66.1	53.8	3.4	1.5	2.1	5.3

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.

Table HC4.5 Space Heating Usage Indicators by Renter-Occupied Housing Unit, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	U.S. Housing Units (millions	Renter-Occupied Housing Units (millions)	Type of Renter-Occupied Housing Unit				
			Single-Family Units		Apartments in Buildings With--		
			Detached	Attached	2 to 4 Units	5 or More Units	Mobile Homes
Total U.S. Housing Units	111.1	33.0	8.0	3.4	5.9	14.4	1.2
Do Not Have Heating Equpment	1.2	0.6	Q	Q	Q	0.3	Q
Have Space Heating Equpment	109.8	32.3	8.0	3.3	5.8	14.1	1.1
Use Space Heating Equpment	109.1	31.8	8.0	3.2	5.6	13.9	1.1
Have But Do Not Use Equipment	0.8	0.5	N	Q	Q	Q	Q
Space Heating Usage During 2005							
Heated Floorspace (Square Feet)							
None	3.6	2.1	Q	Q	0.4	1.1	Q
1 to 499	6.1	3.3	0.4	Q	0.8	1.8	Q
500 to 999	27.7	15.9	2.1	1.4	3.4	8.2	0.8
1,000 to 1,499	26.0	7.6	2.5	1.0	1.1	2.9	Q
1,500 to 1,999	17.6	2.3	1.5	0.3	0.2	0.3	Q
2,000 to 2,499	10.7	0.7	0.4	0.2	Q	Q	N
2,500 to 2,999	7.7	0.5	0.4	Q	N	Q	N
3,000 to 3,499	3.8	Q	Q	N	N	N	N
3,500 to 3,999	2.6	Q	Q	N	N	N	N
4,000 or More	5.2	0.2	0.2	N	N	Q	N
Total Number of Rooms (Excluding Bathrooms)							
0	2.1	1.3	Q	Q	Q	0.7	Q
1 or 2	3.1	2.7	Q	Q	0.4	2.2	N
3	8.3	6.9	0.4	0.6	1.2	4.4	Q
4	16.6	9.3	1.2	1.2	2.1	4.4	0.5
5	23.3	7.1	2.4	0.7	1.6	2.2	0.3
6	22.6	3.4	2.1	0.5	0.3	0.4	Q
7	16.3	1.4	1.0	0.2	Q	Q	Q
8	9.7	0.6	0.4	Q	Q	N	N
9 or More	9.1	0.4	0.4	N	Q	Q	N
At Home Behavior							
Home Used for Business							
Yes	8.9	1.1	0.5	Q	Q	0.4	Q
No	102.2	31.9	7.5	3.4	5.7	14.1	1.2
Someone Home All Day							
Yes	56.4	15.0	4.4	1.6	2.7	5.8	0.6
No	54.7	17.9	3.6	1.9	3.2	8.6	0.6
Housing Unit Characteristics Affecting Usage							
Adequacy of Insulation							
Well Insulated	42.8	10.0	2.0	0.8	1.8	5.1	0.2
Adequately Insulated	46.3	13.3	3.0	1.5	2.2	6.1	0.4
Poorly Insulated	19.0	7.9	2.6	0.8	1.4	2.5	0.5
No Insulation	1.4	0.5	Q	Q	Q	Q	N
Don't Know	1.7	1.3	Q	0.3	0.3	0.5	Q
Home is Too Drafty During the Winter							
Never	62.9	15.3	3.5	1.4	2.6	7.5	0.4
Some of the Time	32.4	9.9	2.6	1.1	1.9	3.8	0.5
Most of the Time	6.1	2.6	0.8	0.2	0.7	0.9	Q
All of the Time	5.6	2.5	0.8	0.4	0.3	0.9	Q
Don't Know	4.1	2.6	0.4	0.4	0.4	1.4	Q

Table HC4.5 Space Heating Usage Indicators by Renter-Occupied Housing Unit, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	U.S. Housing Units (millions	Renter-Occupied Housing Units (millions)	Type of Renter-Occupied Housing Unit				
			Single-Family Units		Apartments in Buildings With--		Mobile Homes
			Detached	Attached	2 to 4 Units	5 or More Units	
Unusually High Ceilings							
Yes	27.2	3.6	1.3	0.3	0.7	1.3	N
No	76.9	28.2	6.7	3.1	5.2	13.2	N
Not Asked (Mobile Homes)	6.9	1.2	N	N	N	N	1.2
Cathedral Ceilings							
(In Housing Units with High Ceilings)							
Yes	17.1	1.6	0.6	Q	Q	0.6	N
No	10.1	2.0	0.6	Q	0.6	0.7	N
Type of Glass in Windows							
Single-pane Glass	50.7	20.1	5.3	2.3	3.4	8.2	0.9
Double-pane Glass							
Without Low-e Coating	50.6	12.1	2.4	1.2	2.4	5.9	0.3
With Low-e Coating	8.0	0.5	Q	N	Q	Q	Q
Triple-pane Glass							
Without Low-e Coating	1.0	Q	Q	N	N	Q	N
With Low-e Coating	0.3	N	N	N	N	N	N
Proportion of Original Windows Replaced							
All	22.4	5.6	1.3	0.5	1.5	2.2	Q
Some	21.6	3.5	1.3	0.5	0.6	0.9	Q
None	62.3	20.1	4.9	1.8	3.1	9.6	0.8
Don't Know	4.7	3.8	0.5	0.7	0.7	1.8	Q
Thermostats							
Do Not Have a Thermostat	15.3	7.5	1.2	0.5	1.4	4.2	Q
Have a Thermostat	95.8	25.4	6.8	2.9	4.6	10.2	1.0
1	84.5	23.8	6.5	2.7	4.3	9.3	1.0
2 or More	11.3	1.7	0.3	0.2	0.2	0.9	Q
Have a Programmable Thermostat							
Yes	33.1	5.4	1.9	0.5	1.0	1.6	0.3
No	62.7	20.1	4.9	2.3	3.5	8.6	0.8
Use of Programable Thermostats							
Reduces Temperature During Day							
Yes	18.6	2.3	0.7	0.2	0.6	0.7	Q
No	14.5	3.0	1.2	0.4	0.4	1.0	Q
Reduces Temperature at Night							
Yes	21.5	2.9	0.9	0.3	0.6	0.9	Q
No	11.6	2.5	1.0	0.3	0.4	0.7	Q

Table HC4.5 Space Heating Usage Indicators by Renter-Occupied Housing Unit, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	U.S. Housing Units (millions	Renter-Occupied Housing Units (millions)	Type of Renter-Occupied Housing Unit				
			Single-Family Units		Apartments in Buildings With--		Mobile Homes
			Detached	Attached	2 to 4 Units	5 or More Units	
Winter 2005 Temperature Settings							
Lower Temperature Settings							
Daytime When No One is at Home							
Yes	40.5	9.2	3.0	1.2	1.5	3.1	0.4
No	59.1	17.8	4.0	1.7	3.3	8.1	0.7
Unknown	11.4	6.0	1.0	0.6	1.1	3.1	Q
During Sleeping Hours							
Yes	40.7	7.4	2.2	0.7	1.3	3.0	Q
No	60.2	20.1	4.9	2.2	3.6	8.5	0.9
Unknown	10.2	5.5	0.9	0.6	1.0	3.0	Q
Daytime Setting When No One is at Home							
Heat Turned On	93.7	25.1	6.7	2.7	4.3	10.3	1.0
63 Degrees or Less	18.9	5.0	1.6	0.6	1.0	1.6	Q
64 to 66 Degrees	17.4	3.9	1.0	0.5	0.6	1.6	Q
67 to 69 Degrees	17.8	3.3	0.9	0.3	0.7	1.3	Q
70 Degrees	16.0	5.7	1.1	0.5	0.9	2.9	0.2
71 to 73 Degrees	10.2	2.4	0.7	0.3	0.5	0.8	Q
74 Degrees or More	13.5	4.8	1.3	0.4	0.8	2.1	Q
Don't Know/No Answer	7.4	3.9	0.7	0.4	0.7	2.1	Q
Do Not Use Space Heating	1.3	0.6	Q	Q	Q	0.3	Q
Heat Turned Off	8.7	3.4	0.6	0.2	0.8	1.7	Q
Daytime Setting When Someone is at Home							
Heat Turned On	101.5	27.6	7.1	2.9	5.0	11.6	1.1
63 Degrees or Less	4.1	1.7	0.5	Q	0.5	0.6	Q
64 to 66 Degrees	8.2	2.1	0.5	0.3	0.4	0.7	Q
67 to 69 Degrees	23.6	4.1	1.0	0.4	0.9	1.6	Q
70 Degrees	24.6	7.6	1.6	0.9	1.1	3.7	0.3
71 to 73 Degrees	17.6	3.6	1.1	0.5	0.6	1.3	Q
74 Degrees or More	23.2	8.5	2.4	0.8	1.3	3.7	0.3
Don't Know/No Answer	6.0	3.5	0.7	0.4	0.6	1.8	Q
Do Not Use Space Heating	1.3	0.6	Q	Q	Q	0.3	Q
Heat Turned Off	2.3	1.2	0.3	Q	Q	0.7	N
Setting During Sleeping Hours							
Heat Turned On	98.1	26.6	6.9	2.8	4.7	11.1	1.0
63 Degrees or Less	13.0	2.8	0.9	Q	0.8	1.0	Q
64 to 66 Degrees	18.4	3.6	0.9	0.4	0.6	1.5	0.2
67 to 69 Degrees	20.8	3.9	1.0	0.5	0.8	1.5	Q
70 Degrees	18.5	6.7	1.5	0.6	1.0	3.2	0.3
71 to 73 Degrees	11.1	2.9	0.9	0.4	0.4	1.1	Q
74 Degrees or More	16.3	6.7	1.7	0.8	1.2	2.8	0.3
Don't Know/No Answer	6.4	3.5	0.7	0.3	0.6	1.9	Q
Do Not Use Space Heating	1.3	0.6	Q	Q	Q	0.3	Q
Heat Turned Off	5.4	2.2	0.4	Q	0.5	1.1	Q

Table HC4.5 Space Heating Usage Indicators by Renter-Occupied Housing Unit, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	U.S. Housing Units (millions	Renter-Occupied Housing Units (millions)	Type of Renter-Occupied Housing Unit				
			Single-Family Units		Apartments in Buildings With--		
			Detached	Attached	2 to 4 Units	5 or More Units	Mobile Homes
Secondary Heating							
Use Any Secondary Heating Equipment							
Yes	34.9	5.2	2.2	0.5	0.8	1.5	0.2
No	74.9	27.1	5.8	2.8	5.0	12.6	0.9
Proportion of Heat Provided by Secondary Heating Equipment							
Close to One-Half	4.4	0.9	0.3	Q	Q	0.4	Q
About One-Quarter	5.8	0.8	0.4	Q	Q	0.2	Q
Very Little or None	24.7	3.5	1.5	0.5	0.6	0.9	Q
Type of Supplemental Heating Equipment Used							
Heat Pump	0.6	Q	N	N	N	Q	N
Central Warm-Air Furnace	2.3	Q	Q	N	Q	Q	Q
Steam/Hot Water System	Q	N	N	N	N	N	N
Built-in Electric Units	2.2	0.3	Q	Q	Q	Q	Q
Built-in Pipeless Furnace	0.3	Q	N	N	Q	N	Q
Built-in Room Heaters	1.4	Q	Q	N	N	N	N
Heating Stove	2.1	Q	Q	N	N	N	N
Portable Electric Heaters	14.3	3.4	1.3	0.4	0.5	1.1	Q
Portable Kerosene Heaters	0.6	Q	Q	N	N	N	Q
Cooking Stove	0.5	0.2	Q	Q	Q	Q	N
Fireplace	10.5	0.8	0.4	Q	Q	Q	Q
Fireplace Fuel							
Wood	6.9	0.5	0.3	Q	Q	Q	Q
Natural Gas	2.7	0.2	Q	Q	Q	Q	N
Propane	0.9	N	N	N	N	N	N
Use of Gas Fireplace During Winter Months							
Most Days	1.2	Q	Q	Q	Q	Q	N
About Once a Week	1.3	Q	Q	Q	N	N	N
Less than 4 Times each Month	1.1	Q	Q	N	N	N	N
Humidifier Use Each Year							
Use a Humidifier	14.2	2.2	0.6	0.3	0.2	1.1	Q
1 to 3 Months Each Year	7.1	1.5	0.4	0.3	Q	0.7	Q
4 to 6 Months Each Year	5.6	0.5	Q	Q	Q	0.3	Q
7 to 9 Months Each Year	0.4	Q	Q	N	N	N	N
10 to 11 months	Q	N	N	N	N	N	N
Turned on All Year Long	1.1	0.2	Q	Q	Q	Q	N
Do Not Use a Humidifier	96.9	30.8	7.4	3.1	5.7	13.4	1.1

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.

Table HC5.5 Space Heating Usage Indicators by Year of Construction, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	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 U.S. Housing Units	111.1	14.7	7.4	12.5	12.5	18.9	18.6	17.3	9.2
Do Not Have Heating Equpment	1.2	N	Q	Q	0.2	0.4	0.2	0.2	Q
Have Space Heating Equpment	109.8	14.7	7.4	12.4	12.2	18.5	18.3	17.1	9.2
Use Space Heating Equpment	109.1	14.6	7.3	12.4	12.2	18.2	18.2	17.1	9.1
Have But Do Not Use Equipment	0.8	Q	Q	Q	Q	0.3	Q	N	Q
Space Heating Usage During 2005									
Heated Floorspace (Square Feet)									
None	3.6	Q	0.3	0.2	0.6	1.0	0.5	0.5	Q
1 to 499	6.1	1.2	0.4	0.7	0.9	1.3	0.8	0.6	0.2
500 to 999	27.7	3.8	2.4	3.2	2.9	5.3	5.5	3.4	1.3
1,000 to 1,499	26.0	3.4	1.7	3.4	2.9	4.6	4.2	4.0	1.9
1,500 to 1,999	17.6	2.2	1.0	2.4	2.1	3.0	2.5	2.8	1.6
2,000 to 2,499	10.7	1.5	0.6	1.2	1.1	1.6	2.1	1.5	1.1
2,500 to 2,999	7.7	0.8	0.5	0.7	1.0	0.8	1.3	1.7	0.9
3,000 to 3,499	3.8	0.6	Q	Q	0.4	0.6	0.4	0.8	0.5
3,500 to 3,999	2.6	0.5	Q	Q	0.3	Q	0.3	0.6	0.4
4,000 or More	5.2	0.6	Q	0.3	Q	0.6	0.9	1.5	0.9
Total Number of Rooms (Excluding Bathrooms)									
0	2.1	Q	Q	Q	0.3	0.5	0.2	0.3	Q
1 or 2	3.1	0.5	Q	0.4	0.4	0.6	0.4	0.4	Q
3	8.3	0.9	0.5	0.6	1.0	1.7	1.9	1.1	0.6
4	16.6	2.5	1.2	2.0	1.6	3.4	2.9	2.2	0.7
5	23.3	2.8	1.8	3.3	2.4	4.0	3.8	3.3	1.9
6	22.6	2.5	1.6	3.4	2.8	3.5	3.7	3.4	1.7
7	16.3	2.5	1.0	1.7	2.0	2.6	2.7	2.4	1.4
8	9.7	1.4	0.4	0.6	1.0	1.4	1.7	2.0	1.2
9 or More	9.1	1.4	0.4	0.5	1.0	1.2	1.4	2.1	1.3
At Home Behavior									
Home Used for Business									
Yes	8.9	1.2	0.3	0.5	0.8	1.5	1.4	2.2	1.1
No	102.2	13.5	7.1	12.1	11.6	17.4	17.2	15.1	8.1
Someone Home All Day									
Yes	56.4	7.7	4.0	7.2	6.6	9.3	8.5	8.4	4.7
No	54.7	7.0	3.4	5.4	5.9	9.6	10.1	8.9	4.5
Housing Unit Characteristics Affecting Usage									
Adequacy of Insulation									
Well Insulated	42.8	3.9	2.2	4.0	4.4	6.5	7.4	8.8	5.7
Adequately Insulated	46.3	5.8	3.4	5.4	5.0	8.8	8.1	6.9	2.8
Poorly Insulated	19.0	4.2	1.7	2.7	2.7	3.1	2.5	1.5	0.6
No Insulation	1.4	0.3	Q	0.3	Q	Q	0.2	Q	Q
Don't Know	1.7	0.3	Q	Q	0.2	0.3	0.4	Q	Q
Home is Too Drafty During the Winter									
Never	62.9	5.8	4.0	6.9	6.3	11.0	10.9	11.6	6.5
Some of the Time	32.4	5.5	2.4	4.0	4.0	5.3	5.5	4.1	1.7
Most of the Time	6.1	1.5	0.4	0.7	0.7	1.1	0.8	0.5	0.3
All of the Time	5.6	1.4	0.4	0.6	1.0	0.9	0.7	0.6	Q
Don't Know	4.1	0.6	Q	0.3	0.4	0.7	0.7	0.7	0.5

Table HC5.5 Space Heating Usage Indicators by Year of Construction, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	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
Unusually High Ceilings									
Yes	27.2	3.4	0.9	1.1	1.2	2.6	5.7	7.8	4.6
No	76.9	11.2	6.5	11.3	10.8	14.3	11.0	7.7	4.1
Not Asked (Mobile Homes)	6.9	Q	N	Q	0.4	2.0	1.9	1.9	0.5
Cathedral Ceilings									
(In Housing Units with High Ceilings)									
Yes	17.1	0.6	0.5	0.4	0.8	1.8	4.1	5.6	3.3
No	10.1	2.7	0.5	0.7	0.5	0.8	1.5	2.2	1.2
Type of Glass in Windows									
Single-pane Glass	50.7	7.7	3.7	6.7	7.5	9.7	8.3	4.9	2.3
Double-pane Glass									
Without Low-e Coating	50.6	5.8	3.2	4.7	4.3	7.5	9.0	10.9	5.3
With Low-e Coating	8.0	0.9	0.4	0.8	0.6	1.4	1.0	1.4	1.5
Triple-pane Glass									
Without Low-e Coating	1.0	Q	Q	Q	Q	Q	Q	Q	Q
With Low-e Coating	0.3	Q	N	Q	Q	Q	N	Q	Q
Proportion of Original Windows Replaced									
All	22.4	4.6	2.9	3.9	3.4	4.1	2.3	0.7	0.5
Some	21.6	5.0	1.6	3.4	2.8	3.7	3.2	1.6	0.4
None	62.3	4.5	2.9	4.7	5.9	9.7	11.9	14.5	8.2
Don't Know	4.7	0.6	Q	0.5	0.4	1.4	1.1	0.6	Q
Thermostats									
Do Not Have a Thermostat	15.3	2.8	1.7	2.3	2.3	2.8	1.8	1.0	0.6
Have a Thermostat	95.8	11.9	5.7	10.3	10.2	16.1	16.7	16.4	8.6
1	84.5	10.3	5.3	9.5	8.8	14.6	14.7	14.1	7.2
2 or More	11.3	1.5	0.4	0.8	1.3	1.5	2.1	2.3	1.5
Have a Programmable Thermostat									
Yes	33.1	3.4	2.1	3.3	3.1	5.1	6.0	5.7	4.4
No	62.7	8.4	3.6	7.0	7.0	10.9	10.7	10.7	4.3
Use of Programable Thermostats									
Reduces Temperature During Day									
Yes	18.6	2.1	1.1	2.0	1.7	2.6	3.7	3.2	2.3
No	14.5	1.3	1.0	1.3	1.4	2.6	2.3	2.5	2.1
Reduces Temperature at Night									
Yes	21.5	2.3	1.2	2.1	2.1	3.3	4.2	3.7	2.6
No	11.6	1.1	0.8	1.1	1.1	1.9	1.8	2.0	1.8

Table HC5.5 Space Heating Usage Indicators by Year of Construction, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	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
Winter 2005 Temperature Settings									
Lower Temperature Settings									
Daytime When No One is at Home									
Yes	40.5	5.9	2.5	4.4	4.1	7.0	6.9	6.4	3.4
No	59.1	7.5	3.9	7.0	6.5	9.7	9.9	9.5	5.2
Unknown	11.4	1.3	1.1	1.1	1.9	2.3	1.8	1.5	0.6
During Sleeping Hours									
Yes	40.7	5.9	2.5	4.7	4.1	6.6	6.9	6.6	3.3
No	60.2	7.8	4.0	6.7	6.8	10.2	10.0	9.4	5.3
Unknown	10.2	1.0	0.9	1.1	1.6	2.0	1.7	1.3	0.6
Daytime Setting When No One is at Home									
Heat Turned On	93.7	12.9	5.9	10.5	9.7	15.4	15.9	15.2	8.3
63 Degrees or Less	18.9	3.5	1.3	2.3	1.9	3.4	3.1	2.4	1.1
64 to 66 Degrees	17.4	2.8	1.0	2.3	1.9	2.4	2.9	2.6	1.5
67 to 69 Degrees	17.8	2.6	1.2	1.9	1.5	3.2	2.8	2.8	1.7
70 Degrees	16.0	2.0	1.0	1.8	1.7	2.4	2.7	2.8	1.4
71 to 73 Degrees	10.2	1.0	0.4	1.0	1.4	1.7	1.8	1.8	1.1
74 Degrees or More	13.5	1.0	1.0	1.2	1.2	2.2	2.6	2.7	1.6
Don't Know/No Answer	7.4	1.1	0.8	0.7	1.1	1.3	1.0	0.9	0.5
Do Not Use Space Heating	1.3	N	Q	Q	0.2	0.4	0.3	0.2	Q
Heat Turned Off	8.7	0.7	0.7	1.2	1.4	1.8	1.4	1.1	0.4
Daytime Setting When Someone is at Home									
Heat Turned On	101.5	13.7	6.6	11.6	10.9	17.0	17.0	16.1	8.7
63 Degrees or Less	4.1	1.2	Q	0.7	0.3	0.7	0.4	0.3	Q
64 to 66 Degrees	8.2	1.5	0.6	1.3	1.0	1.2	1.3	0.9	0.4
67 to 69 Degrees	23.6	4.0	1.4	2.7	2.2	4.0	3.7	3.6	2.1
70 Degrees	24.6	3.2	1.6	2.6	2.7	4.0	4.0	4.4	2.0
71 to 73 Degrees	17.6	1.9	1.0	1.8	2.2	3.0	3.1	2.9	1.7
74 Degrees or More	23.2	1.9	1.8	2.4	2.4	4.1	4.4	3.9	2.3
Don't Know/No Answer	6.0	0.8	0.5	0.8	1.0	1.0	0.8	0.8	0.4
Do Not Use Space Heating	1.3	N	Q	Q	0.2	0.4	0.3	0.2	Q
Heat Turned Off	2.3	Q	Q	Q	0.4	0.5	0.5	Q	Q
Setting During Sleeping Hours									
Heat Turned On	98.1	13.5	6.2	10.9	10.5	16.2	16.4	15.8	8.6
63 Degrees or Less	13.0	2.8	0.9	1.6	1.2	2.1	2.3	1.5	0.6
64 to 66 Degrees	18.4	2.8	1.1	2.7	2.0	2.7	2.7	3.0	1.5
67 to 69 Degrees	20.8	3.1	1.3	2.3	1.9	3.8	2.9	3.7	1.9
70 Degrees	18.5	2.6	1.2	1.8	2.1	3.3	3.2	2.8	1.6
71 to 73 Degrees	11.1	1.0	0.5	1.1	1.4	1.8	2.2	2.1	1.1
74 Degrees or More	16.3	1.3	1.2	1.5	1.9	2.6	3.1	2.8	1.8
Don't Know/No Answer	6.4	0.8	0.6	0.8	0.9	1.1	0.9	0.7	0.4
Do Not Use Space Heating	1.3	N	Q	Q	0.2	0.4	0.3	0.2	Q
Heat Turned Off	5.4	0.4	0.6	0.7	0.8	1.1	1.0	0.6	Q

Table HC5.5 Space Heating Usage Indicators by Year of Construction, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	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
Secondary Heating									
Use Any Secondary Heating Equipment									
Yes	34.9	5.1	2.5	3.5	3.9	5.5	5.9	5.8	2.5
No	74.9	9.6	4.8	8.9	8.3	13.0	12.4	11.3	6.6
Proportion of Heat Provided by Secondary Heating Equipment									
Close to One-Half	4.4	0.5	0.4	0.5	0.7	0.7	0.7	0.7	Q
About One-Quarter	5.8	1.0	0.4	0.6	0.6	0.9	1.0	0.9	0.4
Very Little or None	24.7	3.6	1.8	2.4	2.6	3.9	4.2	4.3	1.9
Type of Supplemental Heating Equipment Used									
Heat Pump	0.6	Q	Q	N	Q	Q	Q	Q	Q
Central Warm-Air Furnace	2.3	0.3	Q	Q	0.3	0.4	0.4	0.4	Q
Steam/Hot Water System	Q	Q	Q	N	Q	N	N	Q	N
Built-in Electric Units	2.2	0.4	Q	0.3	Q	0.3	0.3	0.3	Q
Built-in Pipeless Furnace	0.3	Q	N	Q	Q	Q	N	Q	Q
Built-in Room Heaters	1.4	0.3	Q	Q	Q	0.3	0.3	Q	Q
Heating Stove	2.1	0.3	Q	0.3	Q	0.4	0.4	0.3	Q
Portable Electric Heaters	14.3	2.6	1.4	1.7	1.9	2.3	1.9	1.6	0.8
Portable Kerosene Heaters	0.6	Q	Q	Q	Q	Q	Q	Q	Q
Cooking Stove	0.5	Q	N	Q	Q	Q	Q	Q	Q
Fireplace	10.5	0.9	0.4	0.6	0.8	1.4	2.2	3.0	1.2
Fireplace Fuel									
Wood	6.9	0.7	0.3	0.4	0.6	1.2	1.4	1.7	0.5
Natural Gas	2.7	Q	Q	Q	Q	Q	0.6	0.9	0.5
Propane	0.9	Q	N	Q	N	Q	Q	0.3	Q
Use of Gas Fireplace During Winter Months									
Most Days	1.2	Q	Q	Q	Q	Q	Q	0.5	0.2
About Once a Week	1.3	Q	Q	Q	Q	Q	Q	0.4	0.4
Less than 4 Times each Month	1.1	Q	N	Q	Q	Q	0.3	0.3	Q
Humidifier Use Each Year									
Use a Humidifier	14.2	1.9	1.0	1.6	1.2	2.1	2.2	2.8	1.5
1 to 3 Months Each Year	7.1	1.0	0.5	0.7	0.7	1.0	1.2	1.4	0.7
4 to 6 Months Each Year	5.6	0.7	0.4	0.7	0.4	0.8	0.8	1.1	0.6
7 to 9 Months Each Year	0.4	Q	Q	Q	Q	Q	Q	Q	Q
10 to 11 months	Q	Q	N	N	Q	N	Q	Q	N
Turned on All Year Long	1.1	Q	Q	Q	Q	0.3	Q	0.2	Q
Do Not Use a Humidifier	96.9	12.8	6.4	10.9	11.2	16.8	16.4	14.6	7.8

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.

Table HC6.5 Space Heating Usage Indicators by Number of Household Members, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	Housing Units (millions)	Number of Households With --				
		1 Member	2 Members	3 Members	4 Members	5 or More Members
Total U.S. Housing Units	111.1	30.0	34.8	18.4	15.9	12.0
Do Not Have Heating Equpment	1.2	0.3	0.3	Q	0.2	0.2
Have Space Heating Equpment	109.8	29.7	34.5	18.2	15.6	11.8
Use Space Heating Equpment	109.1	29.5	34.4	18.1	15.5	11.6
Have But Do Not Use Equipment	0.8	Q	Q	Q	Q	Q
Space Heating Usage During 2005						
Heated Floorspace (Square Feet)						
None	3.6	1.0	0.8	0.5	0.5	0.7
1 to 499	6.1	3.0	1.6	0.6	0.6	0.3
500 to 999	27.7	11.6	8.3	3.6	2.7	1.6
1,000 to 1,499	26.0	7.0	8.0	4.6	3.7	2.7
1,500 to 1,999	17.6	3.5	5.5	3.3	2.8	2.4
2,000 to 2,499	10.7	1.5	4.0	2.0	2.0	1.2
2,500 to 2,999	7.7	1.0	2.7	1.6	1.1	1.4
3,000 to 3,499	3.8	0.7	1.4	0.7	0.6	0.4
3,500 to 3,999	2.6	0.4	0.7	0.4	0.7	0.4
4,000 or More	5.2	0.5	1.7	1.1	1.1	0.8
Total Number of Rooms (Excluding Bathrooms)						
0	2.1	0.6	0.5	Q	0.3	0.5
1 or 2	3.1	2.1	0.7	Q	Q	Q
3	8.3	5.0	2.0	0.8	0.4	Q
4	16.6	6.1	5.0	2.4	1.9	1.1
5	23.3	6.3	7.2	4.4	3.2	2.2
6	22.6	5.1	7.7	3.5	3.4	2.8
7	16.3	2.8	5.5	3.1	3.2	1.7
8	9.7	1.3	3.5	1.8	1.6	1.5
9 or More	9.1	0.8	2.8	2.0	1.7	1.9
At Home Behavior						
Home Used for Business						
Yes	8.9	1.3	3.3	1.7	1.5	1.0
No	102.2	28.7	31.5	16.7	14.4	10.9
Someone Home All Day						
Yes	56.4	12.9	18.7	9.0	8.0	7.9
No	54.7	17.1	16.1	9.4	7.9	4.1
Housing Unit Characteristics Affecting Usage						
Adequacy of Insulation						
Well Insulated	42.8	11.4	14.6	6.9	5.9	4.0
Adequately Insulated	46.3	12.3	14.8	7.4	6.7	5.1
Poorly Insulated	19.0	5.3	4.7	3.6	2.8	2.5
No Insulation	1.4	0.3	0.4	0.3	0.2	Q
Don't Know	1.7	0.8	0.3	Q	0.2	0.3
Home is Too Drafty During the Winter						
Never	62.9	18.4	21.7	8.9	7.9	5.9
Some of the Time	32.4	7.6	9.1	6.3	5.3	4.0
Most of the Time	6.1	1.4	1.3	1.3	1.2	0.8
All of the Time	5.6	1.4	1.5	1.2	0.9	0.6
Don't Know	4.1	1.2	1.1	0.6	0.5	0.6

Table HC6.5 Space Heating Usage Indicators by Number of Household Members, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	Housing Units (millions)	Number of Households With --				
		1 Member	2 Members	3 Members	4 Members	5 or More Members
Unusually High Ceilings						
Yes	27.2	5.3	9.0	5.0	4.8	3.2
No	76.9	22.4	24.2	12.2	10.0	8.1
Not Asked (Mobile Homes)	6.9	2.4	1.7	1.2	1.0	0.7
Cathedral Ceilings						
(In Housing Units with High Ceilings)						
Yes	17.1	3.0	5.6	3.2	3.1	2.2
No	10.1	2.3	3.4	1.8	1.8	0.9
Type of Glass in Windows						
Single-pane Glass	50.7	16.1	14.7	8.0	6.5	5.3
Double-pane Glass						
Without Low-e Coating	50.6	12.0	16.1	8.5	8.3	5.8
With Low-e Coating	8.0	1.4	3.5	1.4	0.8	0.9
Triple-pane Glass						
Without Low-e Coating	1.0	Q	0.4	Q	Q	Q
With Low-e Coating	0.3	Q	Q	Q	Q	Q
Proportion of Original Windows Replaced						
All	22.4	6.1	7.5	3.5	3.0	2.4
Some	21.6	5.0	7.0	3.8	3.1	2.6
None	62.3	17.1	18.9	10.5	9.1	6.7
Don't Know	4.7	1.9	1.3	0.6	0.7	0.3
Thermostats						
Do Not Have a Thermostat	15.3	4.6	4.1	2.7	2.1	1.8
Have a Thermostat	95.8	25.5	30.7	15.7	13.8	10.2
1	84.5	23.4	26.3	13.7	12.2	8.8
2 or More	11.3	2.0	4.4	1.9	1.6	1.4
Have a Programmable Thermostat						
Yes	33.1	6.7	10.6	6.1	5.7	4.0
No	62.7	18.8	20.0	9.5	8.1	6.2
Use of Programable Thermostats						
Reduces Temperature During Day						
Yes	18.6	3.1	6.1	3.4	3.5	2.5
No	14.5	3.5	4.5	2.8	2.2	1.5
Reduces Temperature at Night						
Yes	21.5	4.0	6.8	4.0	4.0	2.8
No	11.6	2.7	3.9	2.2	1.7	1.2

Table HC6.5 Space Heating Usage Indicators by Number of Household Members, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	Housing Units (millions)	Number of Households With --				
		1 Member	2 Members	3 Members	4 Members	5 or More Members
Winter 2005 Temperature Settings						
Lower Temperature Settings						
Daytime When No One is at Home						
Yes	40.5	9.7	13.1	7.2	6.4	4.1
No	59.1	16.6	19.2	9.2	7.8	6.4
Unknown	11.4	3.7	2.5	2.0	1.7	1.5
During Sleeping Hours						
Yes	40.7	10.5	14.2	7.0	5.3	3.7
No	60.2	16.2	18.4	9.6	9.1	7.0
Unknown	10.2	3.3	2.3	1.8	1.4	1.3
Daytime Setting When No One is at Home						
Heat Turned On	93.7	24.9	30.1	15.6	13.2	9.8
63 Degrees or Less	18.9	5.4	6.0	3.2	2.5	1.8
64 to 66 Degrees	17.4	5.0	5.4	3.2	2.1	1.7
67 to 69 Degrees	17.8	3.7	6.5	3.0	2.7	1.9
70 Degrees	16.0	4.3	5.2	2.4	2.4	1.7
71 to 73 Degrees	10.2	2.9	3.3	1.6	1.6	0.9
74 Degrees or More	13.5	3.8	3.8	2.2	1.9	1.8
Don't Know/No Answer	7.4	2.5	1.7	1.1	1.0	1.0
Do Not Use Space Heating	1.3	0.3	0.3	Q	0.3	0.2
Heat Turned Off	8.7	2.3	2.7	1.4	1.4	0.9
Daytime Setting When Someone is at Home						
Heat Turned On	101.5	26.9	32.7	16.7	14.6	10.7
63 Degrees or Less	4.1	1.5	1.3	0.7	0.3	0.3
64 to 66 Degrees	8.2	2.8	2.5	1.3	0.8	0.8
67 to 69 Degrees	23.6	5.2	8.3	4.2	3.4	2.5
70 Degrees	24.6	6.4	8.0	3.9	3.6	2.8
71 to 73 Degrees	17.6	5.0	5.8	2.8	2.7	1.3
74 Degrees or More	23.2	6.0	6.7	3.8	3.6	3.0
Don't Know/No Answer	6.0	2.1	1.5	1.0	0.7	0.8
Do Not Use Space Heating	1.3	0.3	0.3	Q	0.3	0.2
Heat Turned Off	2.3	0.8	0.4	0.6	0.3	0.3
Setting During Sleeping Hours						
Heat Turned On	98.1	26.1	31.2	16.2	14.1	10.5
63 Degrees or Less	13.0	3.9	4.7	2.0	1.4	1.0
64 to 66 Degrees	18.4	5.2	6.5	3.0	1.9	1.9
67 to 69 Degrees	20.8	5.0	7.1	3.7	3.3	1.7
70 Degrees	18.5	5.0	5.2	2.9	3.0	2.3
71 to 73 Degrees	11.1	2.8	3.5	1.9	1.8	1.1
74 Degrees or More	16.3	4.1	4.3	2.7	2.7	2.5
Don't Know/No Answer	6.4	2.1	1.5	1.1	0.8	0.8
Do Not Use Space Heating	1.3	0.3	0.3	Q	0.3	0.2
Heat Turned Off	5.4	1.5	1.8	0.9	0.7	0.5

Table HC6.5 Space Heating Usage Indicators by Number of Household Members, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	Housing Units (millions)	Number of Households With --				
		1 Member	2 Members	3 Members	4 Members	5 or More Members
Secondary Heating						
Use Any Secondary Heating Equipment						
Yes	34.9	7.5	12.4	6.8	5.1	3.2
No	74.9	22.2	22.1	11.4	10.5	8.6
Proportion of Heat Provided by Secondary Heating Equipment						
Close to One-Half	4.4	0.9	1.4	1.0	0.5	0.5
About One-Quarter	5.8	1.4	1.8	1.2	0.8	0.6
Very Little or None	24.7	5.2	9.1	4.5	3.7	2.1
Type of Supplemental Heating Equipment Used						
Heat Pump	0.6	Q	Q	Q	Q	Q
Central Warm-Air Furnace	2.3	0.4	0.7	0.5	0.4	0.3
Steam/Hot Water System	Q	N	Q	N	Q	N
Built-in Electric Units	2.2	0.4	0.9	0.4	0.3	Q
Built-in Pipeless Furnace	0.3	Q	Q	Q	Q	Q
Built-in Room Heaters	1.4	0.4	0.6	Q	Q	Q
Heating Stove	2.1	0.4	0.8	0.5	0.3	Q
Portable Electric Heaters	14.3	3.6	4.5	2.7	2.0	1.5
Portable Kerosene Heaters	0.6	Q	Q	Q	Q	Q
Cooking Stove	0.5	Q	Q	Q	Q	Q
Fireplace	10.5	1.7	4.1	2.1	1.7	0.8
Fireplace Fuel						
Wood	6.9	1.2	2.5	1.5	1.2	0.5
Natural Gas	2.7	0.4	1.2	0.5	0.3	0.3
Propane	0.9	Q	0.4	Q	Q	Q
Use of Gas Fireplace During Winter Months						
Most Days	1.2	Q	0.4	Q	Q	Q
About Once a Week	1.3	Q	0.7	0.3	Q	Q
Less than 4 Times each Month	1.1	Q	0.5	Q	Q	Q
Humidifier Use Each Year						
Use a Humidifier	14.2	2.5	4.8	2.9	2.4	1.6
1 to 3 Months Each Year	7.1	1.1	2.1	1.6	1.4	0.8
4 to 6 Months Each Year	5.6	1.1	2.1	1.1	0.7	0.5
7 to 9 Months Each Year	0.4	Q	0.3	Q	N	Q
10 to 11 months	Q	N	N	Q	Q	Q
Turned on All Year Long	1.1	Q	0.3	Q	0.3	Q
Do Not Use a Humidifier	96.9	27.5	30.0	15.5	13.4	10.4

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.

Table HC7.5 Space Heating Usage Indicators by Household Income, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	Housing Units (millions)	2005 Household Income					Below Poverty Line	Eligible for Federal Assistance[1]
		Less than $20,000	$20,000 to $39,999	$40,000 to $59,999	$60,000 to $79,999	$80,000 or More		
Total U.S. Housing Units	111.1	26.7	28.8	20.6	13.1	22.0	16.6	38.6
Do Not Have Heating Equpment	1.2	0.5	0.3	0.2	Q	0.2	0.3	0.6
Have Space Heating Equpment	109.8	26.2	28.5	20.4	13.0	21.8	16.3	37.9
Use Space Heating Equpment	109.1	25.9	28.1	20.3	12.9	21.8	16.0	37.3
Have But Do Not Use Equipment	0.8	0.3	0.3	Q	Q	N	0.4	0.6
Space Heating Usage During 2005								
Heated Floorspace (Square Feet)								
None	3.6	1.2	1.2	0.4	0.3	0.5	0.9	1.9
1 to 499	6.1	2.9	1.7	0.8	0.3	0.5	1.7	3.5
500 to 999	27.7	11.7	8.5	4.1	1.7	1.6	7.2	14.4
1,000 to 1,499	26.0	6.3	7.8	5.7	2.8	3.4	4.0	9.4
1,500 to 1,999	17.6	2.5	4.8	3.9	2.6	3.8	1.4	4.9
2,000 to 2,499	10.7	0.9	2.1	2.3	2.1	3.4	0.6	1.8
2,500 to 2,999	7.7	0.5	1.3	1.6	1.6	2.8	0.3	1.1
3,000 to 3,499	3.8	0.4	0.6	0.7	0.5	1.7	0.3	0.5
3,500 to 3,999	2.6	Q	0.4	Q	0.5	1.4	Q	0.2
4,000 or More	5.2	0.4	0.4	0.9	0.7	2.9	Q	0.7
Total Number of Rooms (Excluding Bathrooms)								
0	2.1	0.6	0.8	Q	Q	0.3	0.5	1.1
1 or 2	3.1	1.7	0.7	0.3	Q	Q	0.9	1.9
3	8.3	4.3	2.5	0.8	0.3	0.4	2.4	4.8
4	16.6	6.5	5.1	2.7	1.2	1.0	4.1	8.5
5	23.3	6.9	7.2	4.5	2.3	2.3	4.5	9.7
6	22.6	3.1	6.9	5.0	3.5	4.1	2.0	6.2
7	16.3	2.3	3.1	3.9	3.0	4.1	1.4	3.6
8	9.7	0.7	1.7	2.1	1.1	4.1	0.5	1.7
9 or More	9.1	0.5	0.9	1.1	1.3	5.4	0.3	1.0
At Home Behavior								
Home Used for Business								
Yes	8.9	0.8	1.6	1.8	1.3	3.4	0.6	1.5
No	102.2	25.9	27.2	18.8	11.8	18.5	16.1	37.1
Someone Home All Day								
Yes	56.4	16.6	15.3	9.3	6.4	8.8	10.9	24.0
No	54.7	10.1	13.5	11.2	6.7	13.2	5.8	14.5
Housing Unit Characteristics Affecting Usage								
Adequacy of Insulation								
Well Insulated	42.8	9.0	11.0	8.2	5.1	9.5	4.8	13.1
Adequately Insulated	46.3	10.4	11.4	8.8	6.0	9.8	6.5	14.9
Poorly Insulated	19.0	6.0	5.5	3.3	1.8	2.4	4.5	8.7
No Insulation	1.4	0.7	0.3	Q	Q	Q	0.5	0.9
Don't Know	1.7	0.7	0.6	Q	Q	Q	0.4	1.0
Home is Too Drafty During the Winter								
Never	62.9	14.3	16.5	11.7	7.4	13.1	8.2	20.1
Some of the Time	32.4	7.6	7.7	6.4	4.2	6.5	5.0	11.2
Most of the Time	6.1	2.0	1.5	1.1	0.6	1.0	1.4	2.8
All of the Time	5.6	1.9	1.7	0.8	0.5	0.7	1.4	2.8
Don't Know	4.1	1.0	1.3	0.7	0.4	0.7	0.7	1.7

Table HC7.5 Space Heating Usage Indicators by Household Income, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	Housing Units (millions)	2005 Household Income					Below Poverty Line	Eligible for Federal Assistance[1]
		Less than $20,000	$20,000 to $39,999	$40,000 to $59,999	$60,000 to $79,999	$80,000 or More		
Unusually High Ceilings								
Yes	27.2	2.3	4.9	5.2	4.5	10.3	1.4	4.2
No	76.9	21.4	21.4	14.6	8.2	11.4	13.3	30.5
Not Asked (Mobile Homes)	6.9	3.0	2.5	0.8	0.4	0.3	1.9	3.9
Cathedral Ceilings								
(In Housing Units with High Ceilings)								
Yes	17.1	0.9	2.7	3.0	2.9	7.5	0.5	2.0
No	10.1	1.4	2.2	2.2	1.6	2.8	0.9	2.2
Type of Glass in Windows								
Single-pane Glass	50.7	16.1	14.1	9.1	4.5	6.9	10.4	21.5
Double-pane Glass								
Without Low-e Coating	50.6	9.8	12.5	9.8	6.8	11.7	5.8	15.6
With Low-e Coating	8.0	0.5	1.6	1.4	1.6	2.9	0.2	1.0
Triple-pane Glass								
Without Low-e Coating	1.0	Q	0.3	Q	Q	Q	Q	0.3
With Low-e Coating	0.3	N	Q	Q	N	0.2	N	Q
Proportion of Original Windows Replaced								
All	22.4	5.1	6.2	3.7	3.4	4.0	3.0	7.9
Some	21.6	4.7	5.1	4.2	2.5	5.2	2.9	6.9
None	62.3	15.3	16.1	11.9	6.8	12.2	9.7	21.5
Don't Know	4.7	1.6	1.4	0.8	0.3	0.6	1.0	2.2
Thermostats								
Do Not Have a Thermostat	15.3	6.9	4.4	1.8	1.0	1.2	4.9	9.1
Have a Thermostat	95.8	19.9	24.4	18.7	12.1	20.7	11.7	29.5
1	84.5	18.7	22.8	16.8	10.4	15.7	11.0	27.7
2 or More	11.3	1.1	1.6	1.9	1.7	5.0	0.7	1.8
Have a Programmable Thermostat								
Yes	33.1	4.2	6.5	6.5	5.5	10.4	2.6	6.7
No	62.7	15.6	17.9	12.2	6.6	10.3	9.2	22.8
Use of Programable Thermostats								
Reduces Temperature During Day								
Yes	18.6	1.9	3.3	4.0	3.1	6.2	1.2	3.2
No	14.5	2.3	3.1	2.5	2.4	4.2	1.3	3.5
Reduces Temperature at Night								
Yes	21.5	2.4	4.0	4.3	3.6	7.2	1.5	4.0
No	11.6	1.8	2.4	2.3	1.8	3.3	1.0	2.7

Table HC7.5 Space Heating Usage Indicators by Household Income, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	Housing Units (millions)	2005 Household Income					Below Poverty Line	Eligible for Federal Assistance[1]
		Less than $20,000	$20,000 to $39,999	$40,000 to $59,999	$60,000 to $79,999	$80,000 or More		
Winter 2005 Temperature Settings								
Lower Temperature Settings								
Daytime When No One is at Home								
Yes	40.5	7.2	9.1	8.5	5.5	10.2	4.0	10.9
No	59.1	15.0	16.5	10.8	6.4	10.4	9.5	21.8
Unknown	11.4	4.5	3.1	1.2	1.2	1.4	3.1	5.9
During Sleeping Hours								
Yes	40.7	7.5	9.5	8.0	5.2	10.5	4.2	10.8
No	60.2	15.1	16.4	11.5	6.8	10.4	9.6	22.4
Unknown	10.2	4.2	2.8	1.1	1.0	1.0	2.9	5.4
Daytime Setting When No One is at Home								
Heat Turned On	93.7	20.8	24.1	18.3	11.3	19.2	12.5	30.9
63 Degrees or Less	18.9	4.0	4.7	3.4	2.6	4.2	2.5	6.0
64 to 66 Degrees	17.4	3.1	4.5	3.6	2.1	4.1	1.9	4.7
67 to 69 Degrees	17.8	2.9	4.4	4.1	2.2	4.2	1.5	4.6
70 Degrees	16.0	4.5	4.0	2.9	1.7	2.9	3.0	6.2
71 to 73 Degrees	10.2	2.1	2.6	2.1	1.2	2.2	1.1	3.3
74 Degrees or More	13.5	4.1	4.1	2.2	1.4	1.7	2.6	6.0
Don't Know/No Answer	7.4	3.2	2.2	0.7	0.6	0.8	2.2	4.1
Do Not Use Space Heating	1.3	0.5	0.3	0.2	Q	0.2	0.3	0.7
Heat Turned Off	8.7	2.2	2.2	1.4	1.1	1.8	1.6	2.9
Daytime Setting When Someone is at Home								
Heat Turned On	101.5	22.7	26.2	19.6	12.1	20.9	14.0	33.3
63 Degrees or Less	4.1	1.0	1.3	0.8	0.5	0.5	0.8	1.6
64 to 66 Degrees	8.2	2.0	2.2	1.6	0.8	1.7	1.1	3.0
67 to 69 Degrees	23.6	3.2	6.0	4.9	3.1	6.4	1.8	4.9
70 Degrees	24.6	6.4	5.8	4.3	2.9	5.3	4.0	9.0
71 to 73 Degrees	17.6	3.3	4.2	3.7	2.3	4.1	1.7	4.9
74 Degrees or More	23.2	6.8	6.7	4.4	2.4	2.9	4.4	9.9
Don't Know/No Answer	6.0	2.9	1.8	0.5	0.4	0.4	1.9	3.7
Do Not Use Space Heating	1.3	0.5	0.3	0.2	Q	0.2	0.3	0.7
Heat Turned Off	2.3	0.6	0.4	Q	0.5	0.4	0.5	0.8
Setting During Sleeping Hours								
Heat Turned On	98.1	21.8	25.3	18.9	11.8	20.2	13.3	32.4
63 Degrees or Less	13.0	2.7	3.7	2.0	1.5	3.1	1.7	4.0
64 to 66 Degrees	18.4	3.8	4.0	4.0	2.4	4.3	2.0	5.1
67 to 69 Degrees	20.8	3.3	5.5	4.2	2.6	5.2	1.7	5.2
70 Degrees	18.5	4.9	4.8	3.5	2.0	3.2	3.5	7.2
71 to 73 Degrees	11.1	2.3	2.9	2.0	1.5	2.4	1.3	3.5
74 Degrees or More	16.3	4.9	4.4	3.2	1.8	2.0	3.0	7.2
Don't Know/No Answer	6.4	3.0	1.9	0.6	0.5	0.5	2.0	3.8
Do Not Use Space Heating	1.3	0.5	0.3	0.2	Q	0.2	0.3	0.7
Heat Turned Off	5.4	1.4	1.2	0.9	0.7	1.1	1.1	1.8

Table HC7.5 Space Heating Usage Indicators by Household Income, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	Housing Units (millions)	2005 Household Income					Below Poverty Line	Eligible for Federal Assistance[1]
		Less than $20,000	$20,000 to $39,999	$40,000 to $59,999	$60,000 to $79,999	$80,000 or More		
Secondary Heating								
Use Any Secondary Heating Equipment								
Yes	34.9	5.9	8.4	6.6	4.4	9.5	3.7	9.0
No	74.9	20.3	20.0	13.8	8.5	12.2	12.7	28.9
Proportion of Heat Provided by Secondary Heating Equipment								
Close to One-Half	4.4	0.9	1.1	0.7	0.5	1.2	0.6	1.3
About One-Quarter	5.8	0.9	1.4	1.0	1.2	1.5	0.8	1.4
Very Little or None	24.7	4.2	5.9	4.9	2.8	6.9	2.3	6.3
Type of Supplemental Heating Equipment Used								
Heat Pump	0.6	Q	Q	Q	Q	0.4	Q	Q
Central Warm-Air Furnace	2.3	0.4	0.6	0.3	0.3	0.6	0.3	0.6
Steam/Hot Water System	Q	N	Q	Q	N	Q	N	Q
Built-in Electric Units	2.2	0.3	0.5	0.3	0.5	0.6	Q	0.4
Built-in Pipeless Furnace	0.3	Q	Q	Q	Q	Q	Q	Q
Built-in Room Heaters	1.4	0.2	0.4	0.3	Q	Q	Q	0.3
Heating Stove	2.1	0.2	0.6	0.4	0.3	0.6	0.1	0.5
Portable Electric Heaters	14.3	3.2	3.9	2.9	1.5	2.8	2.1	4.8
Portable Kerosene Heaters	0.6	0.2	Q	Q	Q	Q	Q	0.3
Cooking Stove	0.5	0.3	Q	Q	N	Q	0.2	0.4
Fireplace	10.5	1.0	1.9	2.0	1.5	4.1	0.4	1.5
Fireplace Fuel								
Wood	6.9	0.9	1.2	1.6	1.0	2.2	0.3	1.2
Natural Gas	2.7	Q	0.4	0.4	0.5	1.4	Q	Q
Propane	0.9	Q	Q	Q	Q	0.5	N	Q
Use of Gas Fireplace During Winter Months								
Most Days	1.2	Q	Q	Q	Q	0.7	Q	Q
About Once a Week	1.3	N	Q	Q	Q	0.8	N	N
Less than 4 Times each Month	1.1	Q	0.3	Q	Q	0.4	Q	Q
Humidifier Use Each Year								
Use a Humidifier	14.2	2.3	3.2	2.5	1.9	4.3	1.4	3.9
1 to 3 Months Each Year	7.1	1.0	1.8	1.4	1.0	1.9	0.6	2.1
4 to 6 Months Each Year	5.6	1.1	0.8	1.0	0.8	1.8	0.5	1.4
7 to 9 Months Each Year	0.4	Q	Q	Q	Q	Q	Q	Q
10 to 11 months	Q	N	Q	N	N	Q	N	Q
Turned on All Year Long	1.1	Q	0.4	Q	Q	0.3	Q	0.3
Do Not Use a Humidifier	96.9	24.4	25.6	18.0	11.1	17.7	15.2	34.7

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.

Table HC8.5 Space Heating Usage Indicators by Urban/Rural Location, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	Housing Units (millions)	Urban/Rural Location (as Self-Reported)			
		City	Town	Surburbs	Rural
Total U.S. Housing Units	111.1	47.1	19.0	22.7	22.3
Do Not Have Heating Equpment	1.2	0.7	Q	0.2	Q
Have Space Heating Equpment	109.8	46.3	18.9	22.5	22.1
Use Space Heating Equpment	109.1	45.6	18.8	22.5	22.1
Have But Do Not Use Equipment	0.8	0.7	Q	N	N
Space Heating Usage During 2005					
Heated Floorspace (Square Feet)					
None	3.6	2.4	0.3	0.4	0.4
1 to 499	6.1	3.9	0.9	0.5	0.8
500 to 999	27.7	14.3	5.0	4.1	4.4
1,000 to 1,499	26.0	11.8	4.5	4.5	5.2
1,500 to 1,999	17.6	6.8	3.3	3.2	4.3
2,000 to 2,499	10.7	3.1	2.1	3.2	2.3
2,500 to 2,999	7.7	2.2	1.1	2.9	1.5
3,000 to 3,499	3.8	0.9	0.6	1.3	1.0
3,500 to 3,999	2.6	0.7	0.3	0.8	0.7
4,000 or More	5.2	1.0	0.7	1.7	1.7
Total Number of Rooms (Excluding Bathrooms)					
0	2.1	1.4	0.2	Q	Q
1 or 2	3.1	1.9	0.6	0.5	Q
3	8.3	5.2	1.2	1.0	0.9
4	16.6	8.5	3.2	2.1	2.9
5	23.3	10.1	4.3	3.8	5.1
6	22.6	9.5	3.6	4.1	5.3
7	16.3	5.5	3.1	4.0	3.7
8	9.7	2.8	1.2	3.2	2.4
9 or More	9.1	2.2	1.6	3.7	1.7
At Home Behavior					
Home Used for Business					
Yes	8.9	2.5	1.3	2.4	2.7
No	102.2	44.6	17.7	20.3	19.6
Someone Home All Day					
Yes	56.4	22.3	10.4	11.1	12.6
No	54.7	24.9	8.6	11.5	9.7
Housing Unit Characteristics Affecting Usage					
Adequacy of Insulation					
Well Insulated	42.8	16.0	7.1	9.4	10.3
Adequately Insulated	46.3	20.3	8.0	9.5	8.5
Poorly Insulated	19.0	9.0	3.2	3.4	3.4
No Insulation	1.4	0.8	0.2	0.2	Q
Don't Know	1.7	1.0	0.5	Q	Q
Home is Too Drafty During the Winter					
Never	62.9	25.7	10.6	13.1	13.6
Some of the Time	32.4	14.0	5.2	6.5	6.7
Most of the Time	6.1	3.0	1.2	1.1	0.9
All of the Time	5.6	2.7	1.0	1.0	0.9
Don't Know	4.1	1.8	0.9	1.0	0.3

Table HC8.5 Space Heating Usage Indicators by Urban/Rural Location, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	Housing Units (millions)	Urban/Rural Location (as Self-Reported)			
		City	Town	Surburbs	Rural
Unusually High Ceilings					
Yes	27.2	9.7	3.8	8.3	5.3
No	76.9	35.5	14.4	13.7	13.3
Not Asked (Mobile Homes)	6.9	1.9	0.8	0.6	3.7
Cathedral Ceilings					
(In Housing Units with High Ceilings)					
Yes	17.1	5.7	2.2	5.8	3.4
No	10.1	4.0	1.7	2.5	1.9
Type of Glass in Windows					
Single-pane Glass	50.7	25.8	8.6	7.9	8.3
Double-pane Glass					
Without Low-e Coating	50.6	18.7	9.1	11.8	11.0
With Low-e Coating	8.0	2.0	1.0	2.4	2.5
Triple-pane Glass					
Without Low-e Coating	1.0	0.3	Q	0.3	Q
With Low-e Coating	0.3	Q	Q	Q	Q
Proportion of Original Windows Replaced					
All	22.4	9.2	4.3	4.4	4.5
Some	21.6	8.4	3.8	4.6	4.8
None	62.3	27.2	9.7	12.7	12.7
Don't Know	4.7	2.3	1.1	1.0	0.4
Thermostats					
Do Not Have a Thermostat	15.3	7.7	2.1	1.3	4.2
Have a Thermostat	95.8	39.5	16.8	21.3	18.2
1	84.5	36.3	14.9	17.8	15.4
2 or More	11.3	3.1	1.9	3.5	2.8
Have a Programmable Thermostat					
Yes	33.1	13.8	5.4	8.5	5.4
No	62.7	25.7	11.4	12.8	12.8
Use of Programable Thermostats					
Reduces Temperature During Day					
Yes	18.6	7.4	3.3	5.2	2.7
No	14.5	6.4	2.1	3.3	2.7
Reduces Temperature at Night					
Yes	21.5	8.5	3.6	6.0	3.4
No	11.6	5.3	1.8	2.6	2.0

Table HC8.5 Space Heating Usage Indicators by Urban/Rural Location, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	Housing Units (millions)	Urban/Rural Location (as Self-Reported)			
		City	Town	Surburbs	Rural
Winter 2005 Temperature Settings					
Lower Temperature Settings					
Daytime When No One is at Home					
Yes	40.5	15.4	7.3	9.4	8.4
No	59.1	25.4	9.9	11.7	12.1
Unknown	11.4	6.4	1.7	1.5	1.9
During Sleeping Hours					
Yes	40.7	15.2	7.6	9.3	8.6
No	60.2	26.3	10.0	11.9	12.0
Unknown	10.2	5.7	1.4	1.4	1.7
Daytime Setting When No One is at Home					
Heat Turned On	93.7	37.1	16.6	20.2	19.9
63 Degrees or Less	18.9	7.0	3.7	4.1	4.1
64 to 66 Degrees	17.4	6.7	3.3	4.0	3.4
67 to 69 Degrees	17.8	6.3	3.0	4.4	3.9
70 Degrees	16.0	6.8	2.9	2.9	3.4
71 to 73 Degrees	10.2	4.0	1.4	2.4	2.3
74 Degrees or More	13.5	6.3	2.2	2.3	2.8
Don't Know/No Answer	7.4	3.9	1.1	1.0	1.3
Do Not Use Space Heating	1.3	0.8	Q	0.2	Q
Heat Turned Off	8.7	5.2	1.2	1.3	0.9
Daytime Setting When Someone is at Home					
Heat Turned On	101.5	41.8	17.5	21.5	20.7
63 Degrees or Less	4.1	1.8	0.9	0.6	0.8
64 to 66 Degrees	8.2	3.3	1.7	1.8	1.4
67 to 69 Degrees	23.6	8.2	3.9	5.9	5.6
70 Degrees	24.6	10.3	4.1	5.2	5.0
71 to 73 Degrees	17.6	7.1	3.1	3.9	3.5
74 Degrees or More	23.2	11.1	3.8	3.9	4.5
Don't Know/No Answer	6.0	3.1	0.9	0.7	1.3
Do Not Use Space Heating	1.3	0.8	Q	0.2	Q
Heat Turned Off	2.3	1.4	0.5	0.3	Q
Setting During Sleeping Hours					
Heat Turned On	98.1	39.7	17.3	20.7	20.3
63 Degrees or Less	13.0	5.1	2.6	2.6	2.7
64 to 66 Degrees	18.4	6.4	3.7	4.4	4.0
67 to 69 Degrees	20.8	7.3	3.5	5.2	4.8
70 Degrees	18.5	8.7	3.1	2.9	3.9
71 to 73 Degrees	11.1	4.6	1.7	2.6	2.2
74 Degrees or More	16.3	7.7	2.8	3.0	2.8
Don't Know/No Answer	6.4	3.3	0.9	0.9	1.3
Do Not Use Space Heating	1.3	0.8	Q	0.2	Q
Heat Turned Off	5.4	3.4	0.7	0.8	0.6

Table HC8.5 Space Heating Usage Indicators by Urban/Rural Location, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	Housing Units (millions)	Urban/Rural Location (as Self-Reported)			
		City	Town	Surburbs	Rural
Secondary Heating					
Use Any Secondary Heating Equipment					
Yes	34.9	11.7	5.1	7.3	10.8
No	74.9	34.6	13.8	15.1	11.4
Proportion of Heat Provided by Secondary Heating Equipment					
Close to One-Half	4.4	1.5	0.7	0.7	1.5
About One-Quarter	5.8	1.7	0.9	1.1	2.2
Very Little or None	24.7	8.6	3.5	5.5	7.1
Type of Supplemental Heating Equipment Used					
Heat Pump	0.6	Q	Q	Q	Q
Central Warm-Air Furnace	2.3	0.5	0.5	0.4	1.0
Steam/Hot Water System	Q	N	Q	Q	Q
Built-in Electric Units	2.2	0.8	Q	0.5	0.7
Built-in Pipeless Furnace	0.3	Q	Q	Q	Q
Built-in Room Heaters	1.4	Q	Q	Q	0.8
Heating Stove	2.1	0.3	0.2	0.3	1.3
Portable Electric Heaters	14.3	5.7	2.5	2.8	3.3
Portable Kerosene Heaters	0.6	Q	Q	Q	0.3
Cooking Stove	0.5	0.3	Q	Q	Q
Fireplace	10.5	3.4	1.3	2.8	2.9
Fireplace Fuel					
Wood	6.9	2.4	1.0	1.4	2.1
Natural Gas	2.7	0.9	0.3	1.1	0.4
Propane	0.9	Q	Q	Q	0.5
Use of Gas Fireplace During Winter Months					
Most Days	1.2	0.4	Q	0.4	0.4
About Once a Week	1.3	0.3	Q	0.6	Q
Less than 4 Times each Month	1.1	0.4	Q	0.4	0.3
Humidifier Use Each Year					
Use a Humidifier	14.2	4.0	2.6	4.1	3.6
1 to 3 Months Each Year	7.1	1.9	1.3	2.0	1.8
4 to 6 Months Each Year	5.6	1.5	0.9	1.6	1.6
7 to 9 Months Each Year	0.4	Q	Q	Q	Q
10 to 11 months	Q	Q	N	Q	N
Turned on All Year Long	1.1	0.4	Q	0.3	Q
Do Not Use a Humidifier	96.9	43.1	16.4	18.6	18.7

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.

Table HC9.5 Space Heating Usage Indicators by Climate Zone, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	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 U.S. Housing Units	111.1	10.9	26.1	27.3	24.0	22.8
Do Not Have Heating Equpment	1.2	Q	Q	N	0.3	0.8
Have Space Heating Equpment	109.8	10.9	26.0	27.3	23.7	22.0
Use Space Heating Equpment	109.1	10.9	26.0	27.3	23.2	21.7
Have But Do Not Use Equipment	0.8	N	N	Q	0.5	Q
Space Heating Usage During 2005						
Heated Floorspace (Square Feet)						
None	3.6	Q	0.5	Q	1.4	1.4
1 to 499	6.1	0.2	1.2	1.5	1.9	1.2
500 to 999	27.7	2.3	6.9	6.5	6.5	5.6
1,000 to 1,499	26.0	1.9	5.3	6.4	6.1	6.4
1,500 to 1,999	17.6	1.9	4.0	4.5	3.3	3.9
2,000 to 2,499	10.7	1.3	2.6	3.1	1.9	1.8
2,500 to 2,999	7.7	1.1	2.1	1.6	1.5	1.4
3,000 to 3,499	3.8	0.6	1.2	1.1	0.5	0.4
3,500 to 3,999	2.6	0.6	0.9	0.7	Q	Q
4,000 or More	5.2	1.0	1.3	1.7	0.6	0.6
Total Number of Rooms (Excluding Bathrooms)						
0	2.1	Q	0.5	Q	0.9	0.4
1 or 2	3.1	0.2	0.9	0.8	0.5	0.6
3	8.3	0.5	1.9	2.2	1.9	1.8
4	16.6	1.6	3.6	4.2	3.4	3.7
5	23.3	2.0	5.6	5.4	5.2	5.0
6	22.6	2.4	4.7	5.3	5.1	5.0
7	16.3	1.7	3.7	4.1	3.5	3.3
8	9.7	1.2	2.4	2.7	1.8	1.7
9 or More	9.1	1.2	2.7	2.4	1.5	1.3
At Home Behavior						
Home Used for Business						
Yes	8.9	1.5	1.5	2.1	1.9	1.9
No	102.2	9.5	24.6	25.2	22.0	20.9
Someone Home All Day						
Yes	56.4	5.0	13.3	13.8	12.4	12.0
No	54.7	6.0	12.8	13.6	11.6	10.8
Housing Unit Characteristics Affecting Usage						
Adequacy of Insulation						
Well Insulated	42.8	5.0	10.2	10.9	8.7	8.1
Adequately Insulated	46.3	4.3	10.8	11.0	10.2	10.0
Poorly Insulated	19.0	1.5	4.3	4.8	4.5	3.9
No Insulation	1.4	Q	0.2	Q	0.4	0.5
Don't Know	1.7	Q	0.5	0.4	Q	0.4
Home is Too Drafty During the Winter						
Never	62.9	6.0	13.3	14.5	13.7	15.5
Some of the Time	32.4	3.4	7.9	8.8	7.4	4.8
Most of the Time	6.1	0.7	1.7	1.6	1.3	0.8
All of the Time	5.6	0.2	2.0	1.6	1.2	0.7
Don't Know	4.1	0.5	1.1	0.9	0.5	1.0

Table HC9.5 Space Heating Usage Indicators by Climate Zone, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	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	
Unusually High Ceilings						
Yes	27.2	3.0	5.6	5.6	6.4	6.7
No	76.9	7.3	19.3	20.4	15.8	14.2
Not Asked (Mobile Homes)	6.9	0.7	1.2	1.3	1.8	2.0
Cathedral Ceilings						
(In Housing Units with High Ceilings)						
Yes	17.1	2.2	3.3	3.2	4.1	4.4
No	10.1	0.8	2.3	2.4	2.3	2.3
Type of Glass in Windows						
Single-pane Glass	50.7	3.1	9.1	9.5	13.7	15.2
Double-pane Glass						
Without Low-e Coating	50.6	5.9	14.0	15.7	8.8	6.3
With Low-e Coating	8.0	1.7	2.3	1.7	1.3	1.0
Triple-pane Glass						
Without Low-e Coating	1.0	Q	0.4	Q	Q	Q
With Low-e Coating	0.3	Q	Q	Q	Q	Q
Proportion of Original Windows Replaced						
All	22.4	2.4	7.0	7.0	4.0	2.0
Some	21.6	2.7	5.5	5.6	4.0	3.8
None	62.3	5.4	12.4	13.4	15.0	16.0
Don't Know	4.7	0.4	1.2	1.2	0.9	1.0
Thermostats						
Do Not Have a Thermostat	15.3	0.7	2.6	4.3	3.8	3.8
Have a Thermostat	95.8	10.2	23.4	23.0	20.1	19.0
1	84.5	8.4	20.4	19.9	18.3	17.5
2 or More	11.3	1.8	3.1	3.1	1.9	1.5
Have a Programmable Thermostat						
Yes	33.1	3.3	8.3	7.2	8.3	6.0
No	62.7	6.9	15.2	15.8	11.8	13.0
Use of Programable Thermostats						
Reduces Temperature During Day						
Yes	18.6	2.0	5.1	4.0	4.3	3.1
No	14.5	1.3	3.2	3.2	4.1	2.9
Reduces Temperature at Night						
Yes	21.5	2.2	5.6	4.7	5.2	3.7
No	11.6	1.1	2.7	2.5	3.1	2.2

Table HC9.5 Space Heating Usage Indicators by Climate Zone, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	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	
Winter 2005 Temperature Settings						
Lower Temperature Settings						
Daytime When No One is at Home						
Yes	40.5	6.0	11.7	10.0	6.8	5.9
No	59.1	4.6	13.2	15.3	13.0	13.1
Unknown	11.4	0.3	1.2	2.0	4.2	3.8
During Sleeping Hours						
Yes	40.7	6.1	11.0	9.9	7.9	5.9
No	60.2	4.6	14.1	15.7	12.7	13.1
Unknown	10.2	0.3	1.0	1.7	3.4	3.7
Daytime Setting When No One is at Home						
Heat Turned On	93.7	10.6	24.7	25.0	16.1	17.4
63 Degrees or Less	18.9	3.3	5.8	4.8	3.1	2.0
64 to 66 Degrees	17.4	2.6	4.9	4.8	2.7	2.3
67 to 69 Degrees	17.8	2.2	5.6	4.7	3.0	2.3
70 Degrees	16.0	1.4	4.0	5.4	2.7	2.5
71 to 73 Degrees	10.2	0.8	2.2	3.0	1.9	2.3
74 Degrees or More	13.5	0.3	2.1	2.4	2.7	5.9
Don't Know/No Answer	7.4	Q	1.0	1.9	2.4	1.8
Do Not Use Space Heating	1.3	Q	Q	N	0.3	0.8
Heat Turned Off	8.7	Q	0.3	0.4	5.2	2.8
Daytime Setting When Someone is at Home						
Heat Turned On	101.5	10.7	25.1	25.6	21.0	19.1
63 Degrees or Less	4.1	0.4	1.2	1.4	0.8	0.3
64 to 66 Degrees	8.2	1.5	2.1	2.5	1.3	0.8
67 to 69 Degrees	23.6	3.5	7.7	5.4	4.5	2.6
70 Degrees	24.6	2.8	6.5	6.8	5.1	3.4
71 to 73 Degrees	17.6	1.7	3.9	5.3	3.4	3.3
74 Degrees or More	23.2	0.9	3.6	4.2	5.8	8.7
Don't Know/No Answer	6.0	Q	0.8	1.6	1.6	1.8
Do Not Use Space Heating	1.3	Q	Q	N	0.3	0.8
Heat Turned Off	2.3	N	Q	Q	1.2	1.0
Setting During Sleeping Hours						
Heat Turned On	98.1	10.7	24.9	25.5	18.6	18.5
63 Degrees or Less	13.0	2.5	3.8	3.3	2.6	0.9
64 to 66 Degrees	18.4	3.1	5.3	4.8	2.8	2.4
67 to 69 Degrees	20.8	2.7	6.4	5.2	3.8	2.6
70 Degrees	18.5	1.3	4.3	5.7	3.7	3.5
71 to 73 Degrees	11.1	0.6	2.5	3.3	2.1	2.5
74 Degrees or More	16.3	0.5	2.6	3.1	3.6	6.5
Don't Know/No Answer	6.4	Q	0.9	1.7	1.8	1.8
Do Not Use Space Heating	1.3	Q	Q	N	0.3	0.8
Heat Turned Off	5.4	N	Q	Q	3.3	1.7

Table HC9.5 Space Heating Usage Indicators by Climate Zone, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	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	
Secondary Heating						
Use Any Secondary Heating Equipment						
Yes	34.9	4.6	8.0	8.7	8.8	4.9
No	74.9	6.3	18.0	18.6	14.9	17.0
Proportion of Heat Provided by Secondary Heating Equipment						
Close to One-Half	4.4	0.5	1.1	1.1	1.2	0.5
About One-Quarter	5.8	0.9	1.3	1.4	1.5	0.8
Very Little or None	24.7	3.2	5.7	6.2	6.0	3.6
Type of Supplemental Heating Equipment Used						
Heat Pump	0.6	Q	Q	0.3	Q	Q
Central Warm-Air Furnace	2.3	0.4	0.4	0.7	0.6	0.3
Steam/Hot Water System	Q	Q	Q	Q	N	N
Built-in Electric Units	2.2	0.6	0.6	0.5	0.3	Q
Built-in Pipeless Furnace	0.3	Q	Q	Q	Q	Q
Built-in Room Heaters	1.4	0.2	0.5	Q	Q	Q
Heating Stove	2.1	0.5	0.7	0.4	0.3	Q
Portable Electric Heaters	14.3	1.0	3.7	3.6	3.8	2.2
Portable Kerosene Heaters	0.6	Q	Q	Q	Q	N
Cooking Stove	0.5	Q	Q	Q	Q	Q
Fireplace	10.5	1.5	1.9	2.4	2.9	1.8
Fireplace Fuel						
Wood	6.9	1.0	1.0	1.6	2.0	1.4
Natural Gas	2.7	0.5	0.7	0.4	0.8	0.3
Propane	0.9	Q	Q	0.3	Q	Q
Use of Gas Fireplace During Winter Months						
Most Days	1.2	0.2	Q	Q	0.4	Q
About Once a Week	1.3	Q	0.4	0.3	Q	Q
Less than 4 Times each Month	1.1	Q	0.3	Q	0.3	Q
Humidifier Use Each Year						
Use a Humidifier	14.2	2.6	5.2	3.9	1.6	0.9
1 to 3 Months Each Year	7.1	1.3	2.4	1.9	0.9	0.6
4 to 6 Months Each Year	5.6	1.1	2.4	1.5	0.4	Q
7 to 9 Months Each Year	0.4	Q	Q	Q	N	Q
10 to 11 months	Q	N	Q	Q	N	Q
Turned on All Year Long	1.1	Q	0.2	0.4	0.2	Q
Do Not Use a Humidifier	96.9	8.3	20.8	23.4	22.4	22.0

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.

Table HC10.5 Space Heating Usage Indicators by U.S. Census Region, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	Housing Units (millions)	U.S. Census Region			
		Northeast	Midwest	South	West
Total U.S. Housing Units	111.1	20.6	25.6	40.7	24.2
Do Not Have Heating Equpment	1.2	Q	Q	Q	0.7
Have Space Heating Equpment	109.8	20.5	25.6	40.3	23.4
Use Space Heating Equpment	109.1	20.5	25.6	40.1	22.9
Have But Do Not Use Equipment	0.8	N	N	Q	0.6
Space Heating Usage During 2005					
Heated Floorspace (Square Feet)					
None	3.6	Q	0.5	0.8	2.1
1 to 499	6.1	1.3	0.9	1.9	2.1
500 to 999	27.7	5.6	5.7	10.5	6.0
1,000 to 1,499	26.0	4.3	5.2	11.3	5.2
1,500 to 1,999	17.6	3.0	3.9	6.8	3.9
2,000 to 2,499	10.7	2.2	2.8	3.7	2.0
2,500 to 2,999	7.7	1.6	2.2	2.3	1.6
3,000 to 3,499	3.8	0.8	1.5	1.0	0.4
3,500 to 3,999	2.6	0.6	1.1	0.6	0.3
4,000 or More	5.2	1.0	1.9	1.7	0.6
Total Number of Rooms (Excluding Bathrooms)					
0	2.1	Q	0.5	0.3	1.1
1 or 2	3.1	0.9	0.8	0.6	0.8
3	8.3	1.9	1.3	3.2	1.9
4	16.6	3.3	3.2	6.5	3.5
5	23.3	3.8	5.5	9.1	5.0
6	22.6	3.8	5.2	8.8	4.8
7	16.3	2.9	3.8	6.0	3.6
8	9.7	1.8	2.6	3.3	2.0
9 or More	9.1	2.1	2.6	2.9	1.5
At Home Behavior					
Home Used for Business					
Yes	8.9	1.2	2.0	3.0	2.6
No	102.2	19.3	23.6	37.7	21.6
Someone Home All Day					
Yes	56.4	10.8	12.7	19.8	13.0
No	54.7	9.8	12.9	20.9	11.2
Housing Unit Characteristics Affecting Usage					
Adequacy of Insulation					
Well Insulated	42.8	8.2	10.6	16.1	7.9
Adequately Insulated	46.3	8.1	10.6	17.0	10.6
Poorly Insulated	19.0	3.7	3.7	6.8	4.9
No Insulation	1.4	Q	Q	0.3	0.6
Don't Know	1.7	0.5	0.5	0.5	0.2
Home is Too Drafty During the Winter					
Never	62.9	10.2	14.1	25.8	12.9
Some of the Time	32.4	7.2	7.0	10.4	7.8
Most of the Time	6.1	1.4	1.5	1.7	1.5
All of the Time	5.6	1.0	1.7	1.5	1.4
Don't Know	4.1	0.8	1.3	1.3	0.7

Table HC10.5 Space Heating Usage Indicators by U.S. Census Region, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	Housing Units (millions)	U.S. Census Region			
		Northeast	Midwest	South	West
Unusually High Ceilings					
Yes	27.2	3.8	6.1	9.9	7.5
No	76.9	16.4	18.8	27.0	14.8
Not Asked (Mobile Homes)	6.9	0.4	0.8	3.8	2.0
Cathedral Ceilings					
(In Housing Units with High Ceilings)					
Yes	17.1	2.0	3.6	6.4	5.1
No	10.1	1.7	2.5	3.5	2.4
Type of Glass in Windows					
Single-pane Glass	50.7	6.8	8.5	23.6	11.8
Double-pane Glass					
Without Low-e Coating	50.6	12.1	13.6	14.9	10.1
With Low-e Coating	8.0	1.3	2.9	1.7	2.0
Triple-pane Glass					
Without Low-e Coating	1.0	Q	0.5	Q	Q
With Low-e Coating	0.3	Q	Q	Q	Q
Proportion of Original Windows Replaced					
All	22.4	7.1	6.1	5.3	4.0
Some	21.6	4.6	5.4	6.3	5.4
None	62.3	8.3	13.1	27.4	13.5
Don't Know	4.7	0.7	1.0	1.8	1.3
Thermostats					
Do Not Have a Thermostat	15.3	3.7	1.9	5.5	4.2
Have a Thermostat	95.8	16.9	23.7	35.2	20.0
1	84.5	13.5	21.3	31.7	18.0
2 or More	11.3	3.4	2.5	3.5	2.0
Have a Programmable Thermostat					
Yes	33.1	5.8	8.3	9.9	9.1
No	62.7	11.1	15.4	25.3	10.9
Use of Programable Thermostats					
Reduces Temperature During Day					
Yes	18.6	3.8	4.7	5.2	4.8
No	14.5	1.9	3.6	4.7	4.4
Reduces Temperature at Night					
Yes	21.5	4.2	5.4	6.0	5.9
No	11.6	1.6	2.9	3.9	3.2

Table HC10.5 Space Heating Usage Indicators by U.S. Census Region, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	Housing Units (millions)	U.S. Census Region			
		Northeast	Midwest	South	West
Winter 2005 Temperature Settings					
Lower Temperature Settings					
Daytime When No One is at Home					
Yes	40.5	8.6	11.7	11.9	8.2
No	59.1	10.9	13.0	24.1	11.1
Unknown	11.4	1.1	0.9	4.6	4.9
During Sleeping Hours					
Yes	40.7	9.1	11.0	11.5	9.1
No	60.2	10.5	13.8	24.9	11.1
Unknown	10.2	1.0	0.8	4.3	4.1
Daytime Setting When No One is at Home					
Heat Turned On	93.7	19.3	24.7	34.3	15.4
63 Degrees or Less	18.9	5.3	4.7	4.3	4.6
64 to 66 Degrees	17.4	4.2	5.0	5.0	3.3
67 to 69 Degrees	17.8	3.8	5.5	5.9	2.5
70 Degrees	16.0	3.3	4.2	6.1	2.4
71 to 73 Degrees	10.2	1.3	3.1	4.8	1.0
74 Degrees or More	13.5	1.3	2.2	8.3	1.6
Don't Know/No Answer	7.4	1.0	0.8	3.1	2.5
Do Not Use Space Heating	1.3	Q	Q	0.4	0.7
Heat Turned Off	8.7	Q	Q	2.8	5.6
Daytime Setting When Someone is at Home					
Heat Turned On	101.5	19.6	24.9	36.5	20.5
63 Degrees or Less	4.1	1.5	0.8	0.8	1.1
64 to 66 Degrees	8.2	2.4	1.9	2.0	1.9
67 to 69 Degrees	23.6	5.5	6.8	6.4	4.9
70 Degrees	24.6	5.3	6.1	8.0	5.3
71 to 73 Degrees	17.6	2.5	5.2	7.0	3.0
74 Degrees or More	23.2	2.4	4.2	12.3	4.4
Don't Know/No Answer	6.0	0.9	0.6	2.9	1.6
Do Not Use Space Heating	1.3	Q	Q	0.4	0.7
Heat Turned Off	2.3	Q	N	0.9	1.3
Setting During Sleeping Hours					
Heat Turned On	98.1	19.5	24.8	35.9	17.9
63 Degrees or Less	13.0	3.8	2.8	2.4	4.0
64 to 66 Degrees	18.4	4.7	5.2	4.8	3.7
67 to 69 Degrees	20.8	4.2	6.8	6.5	3.2
70 Degrees	18.5	3.6	4.3	7.4	3.3
71 to 73 Degrees	11.1	1.4	3.0	5.5	1.2
74 Degrees or More	16.3	1.8	2.8	9.3	2.5
Don't Know/No Answer	6.4	0.9	0.7	2.8	1.9
Do Not Use Space Heating	1.3	Q	Q	0.4	0.7
Heat Turned Off	5.4	Q	N	1.6	3.7

Table HC10.5 Space Heating Usage Indicators by U.S. Census Region, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	Housing Units (millions)	U.S. Census Region			
		Northeast	Midwest	South	West
Secondary Heating					
Use Any Secondary Heating Equipment					
Yes	34.9	4.4	9.4	11.8	9.3
No	74.9	16.1	16.2	28.5	14.1
Proportion of Heat Provided by Secondary Heating Equipment					
Close to One-Half	4.4	0.5	0.9	1.3	1.6
About One-Quarter	5.8	0.8	1.5	2.0	1.5
Very Little or None	24.7	3.2	6.9	8.5	6.1
Type of Supplemental Heating Equipment Used					
Heat Pump	0.6	N	Q	0.4	Q
Central Warm-Air Furnace	2.3	Q	0.9	0.7	0.6
Steam/Hot Water System	Q	Q	Q	N	Q
Built-in Electric Units	2.2	0.4	0.6	0.4	0.7
Built-in Pipeless Furnace	0.3	Q	Q	Q	Q
Built-in Room Heaters	1.4	0.3	0.4	0.6	Q
Heating Stove	2.1	0.6	0.4	0.4	0.6
Portable Electric Heaters	14.3	2.0	3.8	4.8	3.7
Portable Kerosene Heaters	0.6	Q	Q	0.3	N
Cooking Stove	0.5	Q	Q	Q	Q
Fireplace	10.5	0.7	2.7	3.9	3.2
Fireplace Fuel					
Wood	6.9	0.4	1.8	2.7	2.0
Natural Gas	2.7	Q	0.8	0.6	1.1
Propane	0.9	Q	Q	0.6	Q
Use of Gas Fireplace During Winter Months					
Most Days	1.2	Q	0.4	0.4	0.3
About Once a Week	1.3	Q	0.4	0.4	0.4
Less than 4 Times each Month	1.1	Q	Q	0.4	0.4
Humidifier Use Each Year					
Use a Humidifier	14.2	3.0	6.0	3.2	1.9
1 to 3 Months Each Year	7.1	1.4	2.6	1.8	1.2
4 to 6 Months Each Year	5.6	1.2	3.0	1.0	0.4
7 to 9 Months Each Year	0.4	Q	Q	Q	Q
10 to 11 months	Q	N	Q	Q	Q
Turned on All Year Long	1.1	0.3	0.3	0.3	0.2
Do Not Use a Humidifier	96.9	17.5	19.6	37.5	22.2

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.

Table HC11.5 Space Heating Usage Indicators by Northeast Census Region, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	U.S. Housing Units (millions)	Northeast Census Region		
		Total Northeast	Census Division	
			Middle Atlantic	New England
Total U.S. Housing Units	111.1	20.6	15.1	5.5
Do Not Have Heating Equpment	1.2	Q	Q	Q
Have Space Heating Equpment	109.8	20.5	15.1	5.4
Use Space Heating Equpment	109.1	20.5	15.1	5.4
Have But Do Not Use Equipment	0.8	N	N	N
Space Heating Usage During 2005				
Heated Floorspace (Square Feet)				
None	3.6	Q	Q	Q
1 to 499	6.1	1.3	0.9	0.4
500 to 999	27.7	5.6	4.2	1.4
1,000 to 1,499	26.0	4.3	3.3	1.1
1,500 to 1,999	17.6	3.0	2.3	0.7
2,000 to 2,499	10.7	2.2	1.5	0.7
2,500 to 2,999	7.7	1.6	1.1	0.5
3,000 to 3,499	3.8	0.8	0.6	0.2
3,500 to 3,999	2.6	0.6	0.4	0.2
4,000 or More	5.2	1.0	0.8	0.2
Total Number of Rooms (Excluding Bathrooms)				
0	2.1	Q	N	Q
1 or 2	3.1	0.9	0.6	0.3
3	8.3	1.9	1.4	0.4
4	16.6	3.3	2.3	1.1
5	23.3	3.8	2.9	0.9
6	22.6	3.8	2.7	1.1
7	16.3	2.9	2.3	0.6
8	9.7	1.8	1.4	0.4
9 or More	9.1	2.1	1.6	0.6
At Home Behavior				
Home Used for Business				
Yes	8.9	1.2	0.9	0.3
No	102.2	19.3	14.2	5.1
Someone Home All Day				
Yes	56.4	10.8	8.4	2.4
No	54.7	9.8	6.7	3.0
Housing Unit Characteristics Affecting Usage				
Adequacy of Insulation				
Well Insulated	42.8	8.2	5.9	2.3
Adequately Insulated	46.3	8.1	6.1	2.0
Poorly Insulated	19.0	3.7	2.7	1.0
No Insulation	1.4	Q	Q	Q
Don't Know	1.7	0.5	Q	0.2
Home is Too Drafty During the Winter				
Never	62.9	10.2	7.5	2.7
Some of the Time	32.4	7.2	5.5	1.7
Most of the Time	6.1	1.4	1.0	0.4
All of the Time	5.6	1.0	0.7	0.3
Don't Know	4.1	0.8	0.5	0.2

Table HC11.5 Space Heating Usage Indicators by Northeast Census Region, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	U.S. Housing Units (millions)	Northeast Census Region		
		Total Northeast	Census Division	
			Middle Atlantic	New England
Unusually High Ceilings				
Yes	27.2	3.8	2.7	1.1
No	76.9	16.4	12.1	4.2
Not Asked (Mobile Homes)	6.9	0.4	0.3	0.2
Cathedral Ceilings				
(In Housing Units with High Ceilings)				
Yes	17.1	2.0	1.4	0.6
No	10.1	1.7	1.3	0.4
Type of Glass in Windows				
Single-pane Glass	50.7	6.8	4.7	2.1
Double-pane Glass				
Without Low-e Coating	50.6	12.1	9.4	2.8
With Low-e Coating	8.0	1.3	0.9	0.4
Triple-pane Glass				
Without Low-e Coating	1.0	Q	Q	Q
With Low-e Coating	0.3	Q	N	Q
Proportion of Original Windows Replaced				
All	22.4	7.1	5.3	1.8
Some	21.6	4.6	3.5	1.1
None	62.3	8.3	5.9	2.4
Don't Know	4.7	0.7	0.4	0.3
Thermostats				
Do Not Have a Thermostat	15.3	3.7	3.2	0.5
Have a Thermostat	95.8	16.9	11.9	4.9
1	84.5	13.5	9.9	3.6
2 or More	11.3	3.4	2.1	1.3
Have a Programmable Thermostat				
Yes	33.1	5.8	4.5	1.2
No	62.7	11.1	7.4	3.7
Use of Programable Thermostats				
Reduces Temperature During Day				
Yes	18.6	3.8	2.9	0.9
No	14.5	1.9	1.6	0.3
Reduces Temperature at Night				
Yes	21.5	4.2	3.3	0.9
No	11.6	1.6	1.3	0.3

Table HC11.5 Space Heating Usage Indicators by Northeast Census Region, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	U.S. Housing Units (millions)	Northeast Census Region		
		Total Northeast	Census Division	
			Middle Atlantic	New England
Winter 2005 Temperature Settings				
Lower Temperature Settings				
Daytime When No One is at Home				
Yes	40.5	8.6	6.1	2.5
No	59.1	10.9	8.2	2.6
Unknown	11.4	1.1	0.8	Q
During Sleeping Hours				
Yes	40.7	9.1	6.5	2.6
No	60.2	10.5	7.9	2.6
Unknown	10.2	1.0	0.7	Q
Daytime Setting When No One is at Home				
Heat Turned On	93.7	19.3	14.2	5.1
63 Degrees or Less	18.9	5.3	3.6	1.8
64 to 66 Degrees	17.4	4.2	3.0	1.2
67 to 69 Degrees	17.8	3.8	2.8	1.1
70 Degrees	16.0	3.3	2.7	0.7
71 to 73 Degrees	10.2	1.3	1.0	0.3
74 Degrees or More	13.5	1.3	1.1	0.2
Don't Know/No Answer	7.4	1.0	0.7	Q
Do Not Use Space Heating	1.3	Q	Q	Q
Heat Turned Off	8.7	Q	Q	Q
Daytime Setting When Someone is at Home				
Heat Turned On	101.5	19.6	14.4	5.2
63 Degrees or Less	4.1	1.5	1.1	0.4
64 to 66 Degrees	8.2	2.4	1.5	0.9
67 to 69 Degrees	23.6	5.5	3.8	1.7
70 Degrees	24.6	5.3	4.0	1.3
71 to 73 Degrees	17.6	2.5	2.0	0.5
74 Degrees or More	23.2	2.4	2.0	0.4
Don't Know/No Answer	6.0	0.9	0.7	Q
Do Not Use Space Heating	1.3	Q	Q	Q
Heat Turned Off	2.3	Q	Q	N
Setting During Sleeping Hours				
Heat Turned On	98.1	19.5	14.3	5.2
63 Degrees or Less	13.0	3.8	2.3	1.5
64 to 66 Degrees	18.4	4.7	3.4	1.3
67 to 69 Degrees	20.8	4.2	3.0	1.2
70 Degrees	18.5	3.6	2.9	0.6
71 to 73 Degrees	11.1	1.4	1.1	0.3
74 Degrees or More	16.3	1.8	1.5	0.3
Don't Know/No Answer	6.4	0.9	0.7	Q
Do Not Use Space Heating	1.3	Q	Q	Q
Heat Turned Off	5.4	Q	Q	Q

Table HC11.5 Space Heating Usage Indicators by Northeast Census Region, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	U.S. Housing Units (millions)	Northeast Census Region		
		Total Northeast	Census Division	
			Middle Atlantic	New England
Secondary Heating				
Use Any Secondary Heating Equipment				
Yes	34.9	4.4	3.0	1.4
No	74.9	16.1	12.0	4.0
Proportion of Heat Provided by Secondary Heating Equipment				
Close to One-Half	4.4	0.5	0.3	Q
About One-Quarter	5.8	0.8	0.5	0.3
Very Little or None	24.7	3.2	2.2	1.0
Type of Supplemental Heating Equipment Used				
Heat Pump	0.6	N	N	N
Central Warm-Air Furnace	2.3	Q	Q	Q
Steam/Hot Water System	Q	Q	Q	Q
Built-in Electric Units	2.2	0.4	Q	0.2
Built-in Pipeless Furnace	0.3	Q	Q	Q
Built-in Room Heaters	1.4	0.3	Q	Q
Heating Stove	2.1	0.6	0.3	0.3
Portable Electric Heaters	14.3	2.0	1.4	0.5
Portable Kerosene Heaters	0.6	Q	Q	Q
Cooking Stove	0.5	Q	Q	Q
Fireplace	10.5	0.7	0.5	0.2
Fireplace Fuel				
Wood	6.9	0.4	Q	Q
Natural Gas	2.7	Q	Q	Q
Propane	0.9	Q	Q	Q
Use of Gas Fireplace During Winter Months				
Most Days	1.2	Q	Q	Q
About Once a Week	1.3	Q	Q	N
Less than 4 Times each Month	1.1	Q	Q	Q
Humidifier Use Each Year				
Use a Humidifier	14.2	3.0	2.0	1.1
1 to 3 Months Each Year	7.1	1.4	0.8	0.6
4 to 6 Months Each Year	5.6	1.2	0.8	0.4
7 to 9 Months Each Year	0.4	Q	Q	Q
10 to 11 months	Q	N	N	N
Turned on All Year Long	1.1	0.3	Q	Q
Do Not Use a Humidifier	96.9	17.5	13.2	4.4

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.

Table HC12.5 Space Heating Usage Indicators by Midwest Census Region, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	U.S. Housing Units (millions)	Midwest Census Region		
		Total Midwest	Census Division	
			East North Central	West North Central
Total U.S. Housing Units	111.1	25.6	17.7	7.9
Do Not Have Heating Equpment	1.2	Q	Q	N
Have Space Heating Equpment	109.8	25.6	17.7	7.9
Use Space Heating Equpment	109.1	25.6	17.7	7.9
Have But Do Not Use Equipment	0.8	N	N	N
Space Heating Usage During 2005				
Heated Floorspace (Square Feet)				
None	3.6	0.5	Q	Q
1 to 499	6.1	0.9	0.6	0.2
500 to 999	27.7	5.7	3.6	2.1
1,000 to 1,499	26.0	5.2	3.9	1.3
1,500 to 1,999	17.6	3.9	2.7	1.2
2,000 to 2,499	10.7	2.8	1.8	1.0
2,500 to 2,999	7.7	2.2	1.6	0.6
3,000 to 3,499	3.8	1.5	1.0	0.6
3,500 to 3,999	2.6	1.1	0.7	0.3
4,000 or More	5.2	1.9	1.4	0.5
Total Number of Rooms (Excluding Bathrooms)				
0	2.1	0.5	Q	Q
1 or 2	3.1	0.8	0.6	Q
3	8.3	1.3	0.7	0.6
4	16.6	3.2	2.2	1.0
5	23.3	5.5	3.9	1.6
6	22.6	5.2	3.3	1.9
7	16.3	3.8	2.8	1.0
8	9.7	2.6	1.8	0.8
9 or More	9.1	2.6	1.9	0.8
At Home Behavior				
Home Used for Business				
Yes	8.9	2.0	1.2	0.8
No	102.2	23.6	16.5	7.1
Someone Home All Day				
Yes	56.4	12.7	8.6	4.1
No	54.7	12.9	9.1	3.7
Housing Unit Characteristics Affecting Usage				
Adequacy of Insulation				
Well Insulated	42.8	10.6	7.2	3.4
Adequately Insulated	46.3	10.6	7.5	3.1
Poorly Insulated	19.0	3.7	2.6	1.1
No Insulation	1.4	Q	Q	Q
Don't Know	1.7	0.5	0.3	Q
Home is Too Drafty During the Winter				
Never	62.9	14.1	9.5	4.6
Some of the Time	32.4	7.0	4.9	2.1
Most of the Time	6.1	1.5	1.3	0.2
All of the Time	5.6	1.7	1.4	0.3
Don't Know	4.1	1.3	0.7	0.6

Table HC12.5 Space Heating Usage Indicators by Midwest Census Region, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	U.S. Housing Units (millions)	Midwest Census Region		
		Total Midwest	Census Division	
			East North Central	West North Central
Unusually High Ceilings				
Yes	27.2	6.1	4.1	2.0
No	76.9	18.8	13.2	5.5
Not Asked (Mobile Homes)	6.9	0.8	0.4	0.3
Cathedral Ceilings				
(In Housing Units with High Ceilings)				
Yes	17.1	3.6	2.5	1.1
No	10.1	2.5	1.6	0.9
Type of Glass in Windows				
Single-pane Glass	50.7	8.5	5.6	2.9
Double-pane Glass				
Without Low-e Coating	50.6	13.6	9.7	3.9
With Low-e Coating	8.0	2.9	2.0	0.9
Triple-pane Glass				
Without Low-e Coating	1.0	0.5	0.4	Q
With Low-e Coating	0.3	Q	Q	Q
Proportion of Original Windows Replaced				
All	22.4	6.1	5.1	1.0
Some	21.6	5.4	3.8	1.6
None	62.3	13.1	8.3	4.8
Don't Know	4.7	1.0	0.6	0.4
Thermostats				
Do Not Have a Thermostat	15.3	1.9	1.1	0.7
Have a Thermostat	95.8	23.7	16.6	7.1
1	84.5	21.3	15.1	6.1
2 or More	11.3	2.5	1.5	1.0
Have a Programmable Thermostat				
Yes	33.1	8.3	6.0	2.3
No	62.7	15.4	10.6	4.8
Use of Programable Thermostats				
Reduces Temperature During Day				
Yes	18.6	4.7	3.5	1.2
No	14.5	3.6	2.5	1.1
Reduces Temperature at Night				
Yes	21.5	5.4	3.9	1.5
No	11.6	2.9	2.1	0.8

Table HC12.5 Space Heating Usage Indicators by Midwest Census Region, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	U.S. Housing Units (millions)	Midwest Census Region		
		Total Midwest	Census Division	
			East North Central	West North Central
Winter 2005 Temperature Settings				
Lower Temperature Settings				
Daytime When No One is at Home				
Yes	40.5	11.7	8.1	3.6
No	59.1	13.0	9.1	3.9
Unknown	11.4	0.9	0.5	0.3
During Sleeping Hours				
Yes	40.7	11.0	7.5	3.5
No	60.2	13.8	9.8	4.0
Unknown	10.2	0.8	0.5	0.3
Daytime Setting When No One is at Home				
Heat Turned On	93.7	24.7	17.2	7.5
63 Degrees or Less	18.9	4.7	3.6	1.2
64 to 66 Degrees	17.4	5.0	3.2	1.7
67 to 69 Degrees	17.8	5.5	4.0	1.5
70 Degrees	16.0	4.2	2.6	1.5
71 to 73 Degrees	10.2	3.1	2.4	0.7
74 Degrees or More	13.5	2.2	1.4	0.8
Don't Know/No Answer	7.4	0.8	0.5	0.3
Do Not Use Space Heating	1.3	Q	Q	N
Heat Turned Off	8.7	Q	Q	N
Daytime Setting When Someone is at Home				
Heat Turned On	101.5	24.9	17.4	7.5
63 Degrees or Less	4.1	0.8	0.5	Q
64 to 66 Degrees	8.2	1.9	1.4	0.5
67 to 69 Degrees	23.6	6.8	4.8	2.0
70 Degrees	24.6	6.1	4.2	1.9
71 to 73 Degrees	17.6	5.2	3.6	1.5
74 Degrees or More	23.2	4.2	2.8	1.4
Don't Know/No Answer	6.0	0.6	0.3	0.3
Do Not Use Space Heating	1.3	Q	Q	N
Heat Turned Off	2.3	N	N	N
Setting During Sleeping Hours				
Heat Turned On	98.1	24.8	17.3	7.5
63 Degrees or Less	13.0	2.8	1.8	1.0
64 to 66 Degrees	18.4	5.2	3.6	1.5
67 to 69 Degrees	20.8	6.8	5.0	1.9
70 Degrees	18.5	4.3	2.9	1.3
71 to 73 Degrees	11.1	3.0	2.1	0.9
74 Degrees or More	16.3	2.8	1.8	0.9
Don't Know/No Answer	6.4	0.7	0.4	0.3
Do Not Use Space Heating	1.3	Q	Q	N
Heat Turned Off	5.4	N	N	N

Table HC12.5 Space Heating Usage Indicators by Midwest Census Region, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	U.S. Housing Units (millions)	Midwest Census Region		
		Total Midwest	Census Division	
			East North Central	West North Central
Secondary Heating				
Use Any Secondary Heating Equipment				
Yes	34.9	9.4	6.3	3.0
No	74.9	16.2	11.3	4.8
Proportion of Heat Provided by Secondary Heating Equipment				
Close to One-Half	4.4	0.9	0.7	Q
About One-Quarter	5.8	1.5	0.9	0.6
Very Little or None	24.7	6.9	4.7	2.2
Type of Supplemental Heating Equipment Used				
Heat Pump	0.6	Q	Q	Q
Central Warm-Air Furnace	2.3	0.9	0.5	0.3
Steam/Hot Water System	Q	Q	Q	N
Built-in Electric Units	2.2	0.6	0.4	0.3
Built-in Pipeless Furnace	0.3	Q	N	Q
Built-in Room Heaters	1.4	0.4	0.3	Q
Heating Stove	2.1	0.4	Q	Q
Portable Electric Heaters	14.3	3.8	2.9	0.9
Portable Kerosene Heaters	0.6	Q	Q	Q
Cooking Stove	0.5	Q	Q	Q
Fireplace	10.5	2.7	1.6	1.1
Fireplace Fuel				
Wood	6.9	1.8	1.0	0.7
Natural Gas	2.7	0.8	0.4	0.4
Propane	0.9	Q	Q	N
Use of Gas Fireplace During Winter Months				
Most Days	1.2	0.4	Q	Q
About Once a Week	1.3	0.4	Q	Q
Less than 4 Times each Month	1.1	Q	Q	Q
Humidifier Use Each Year				
Use a Humidifier	14.2	6.0	4.3	1.7
1 to 3 Months Each Year	7.1	2.6	1.7	0.9
4 to 6 Months Each Year	5.6	3.0	2.3	0.7
7 to 9 Months Each Year	0.4	Q	Q	Q
10 to 11 months	Q	Q	Q	N
Turned on All Year Long	1.1	0.3	Q	Q
Do Not Use a Humidifier	96.9	19.6	13.4	6.1

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.

Table HC13.5 Space Heating Usage Indicators by South Census Region, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	U.S. Housing Units (millions)	South Census Region			
		Total South	Census Division		
			South Atlantic	East South Central	West South Central
Total U.S. Housing Units	111.1	40.7	21.7	6.9	12.1
Do Not Have Heating Equpment	1.2	Q	Q	N	Q
Have Space Heating Equpment	109.8	40.3	21.4	6.9	12.0
Use Space Heating Equpment	109.1	40.1	21.2	6.9	12.0
Have But Do Not Use Equipment	0.8	Q	Q	N	N
Space Heating Usage During 2005					
Heated Floorspace (Square Feet)					
None	3.6	0.8	0.7	Q	Q
1 to 499	6.1	1.9	0.9	0.2	0.8
500 to 999	27.7	10.5	4.9	1.7	3.9
1,000 to 1,499	26.0	11.3	6.2	2.1	3.1
1,500 to 1,999	17.6	6.8	3.5	1.3	2.0
2,000 to 2,499	10.7	3.7	2.0	0.7	1.0
2,500 to 2,999	7.7	2.3	1.4	0.3	0.6
3,000 to 3,499	3.8	1.0	0.6	0.2	Q
3,500 to 3,999	2.6	0.6	0.4	Q	Q
4,000 or More	5.2	1.7	1.1	0.2	0.4
Total Number of Rooms (Excluding Bathrooms)					
0	2.1	0.3	Q	Q	N
1 or 2	3.1	0.6	Q	Q	0.3
3	8.3	3.2	1.7	0.4	1.1
4	16.6	6.5	3.3	1.4	1.7
5	23.3	9.1	4.9	1.5	2.7
6	22.6	8.8	4.3	1.7	2.8
7	16.3	6.0	3.2	0.9	1.9
8	9.7	3.3	1.9	0.5	0.8
9 or More	9.1	2.9	1.7	0.4	0.8
At Home Behavior					
Home Used for Business					
Yes	8.9	3.0	1.9	0.5	0.6
No	102.2	37.7	19.8	6.4	11.5
Someone Home All Day					
Yes	56.4	19.8	10.4	3.3	6.2
No	54.7	20.9	11.3	3.6	6.0
Housing Unit Characteristics Affecting Usage					
Adequacy of Insulation					
Well Insulated	42.8	16.1	9.1	2.5	4.5
Adequately Insulated	46.3	17.0	9.1	3.2	4.7
Poorly Insulated	19.0	6.8	3.1	1.1	2.6
No Insulation	1.4	0.3	Q	Q	Q
Don't Know	1.7	0.5	Q	Q	Q
Home is Too Drafty During the Winter					
Never	62.9	25.8	14.0	4.3	7.5
Some of the Time	32.4	10.4	5.6	1.7	3.0
Most of the Time	6.1	1.7	0.8	0.3	0.6
All of the Time	5.6	1.5	0.6	0.3	0.6
Don't Know	4.1	1.3	0.7	0.2	0.4

Table HC13.5 Space Heating Usage Indicators by South Census Region, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	U.S. Housing Units (millions)	South Census Region			
		Total South	Census Division		
			South Atlantic	East South Central	West South Central
Unusually High Ceilings					
Yes	27.2	9.9	4.7	1.5	3.7
No	76.9	27.0	15.0	4.7	7.3
Not Asked (Mobile Homes)	6.9	3.8	2.0	0.7	1.1
Cathedral Ceilings					
(In Housing Units with High Ceilings)					
Yes	17.1	6.4	3.1	1.0	2.2
No	10.1	3.5	1.6	0.5	1.4
Type of Glass in Windows					
Single-pane Glass	50.7	23.6	12.3	3.4	8.0
Double-pane Glass					
Without Low-e Coating	50.6	14.9	7.9	3.1	3.8
With Low-e Coating	8.0	1.7	1.1	0.3	0.3
Triple-pane Glass					
Without Low-e Coating	1.0	Q	Q	Q	Q
With Low-e Coating	0.3	Q	Q	Q	N
Proportion of Original Windows Replaced					
All	22.4	5.3	3.7	0.8	0.8
Some	21.6	6.3	2.9	1.3	2.0
None	62.3	27.4	14.2	4.6	8.6
Don't Know	4.7	1.8	0.9	0.2	0.7
Thermostats					
Do Not Have a Thermostat	15.3	5.5	2.1	1.0	2.4
Have a Thermostat	95.8	35.2	19.6	5.9	9.7
1	84.5	31.7	17.3	5.3	9.1
2 or More	11.3	3.5	2.3	0.5	0.7
Have a Programmable Thermostat					
Yes	33.1	9.9	5.9	1.1	2.9
No	62.7	25.3	13.7	4.8	6.8
Use of Programable Thermostats					
Reduces Temperature During Day					
Yes	18.6	5.2	3.2	0.4	1.6
No	14.5	4.7	2.7	0.6	1.3
Reduces Temperature at Night					
Yes	21.5	6.0	3.5	0.6	1.9
No	11.6	3.9	2.4	0.4	1.1

Table HC13.5 Space Heating Usage Indicators by South Census Region, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	U.S. Housing Units (millions)	South Census Region			
		Total South	Census Division		
			South Atlantic	East South Central	West South Central
Winter 2005 Temperature Settings					
Lower Temperature Settings					
Daytime When No One is at Home					
Yes	40.5	11.9	6.4	1.8	3.7
No	59.1	24.1	12.7	4.5	6.9
Unknown	11.4	4.6	2.6	0.6	1.5
During Sleeping Hours					
Yes	40.7	11.5	5.8	1.9	3.8
No	60.2	24.9	13.6	4.4	6.9
Unknown	10.2	4.3	2.4	0.6	1.4
Daytime Setting When No One is at Home					
Heat Turned On	93.7	34.3	18.5	6.2	9.7
63 Degrees or Less	18.9	4.3	2.5	0.7	1.1
64 to 66 Degrees	17.4	5.0	2.6	0.8	1.6
67 to 69 Degrees	17.8	5.9	3.2	1.2	1.5
70 Degrees	16.0	6.1	3.3	1.0	1.8
71 to 73 Degrees	10.2	4.8	2.6	0.9	1.2
74 Degrees or More	13.5	8.3	4.3	1.6	2.4
Don't Know/No Answer	7.4	3.1	1.5	0.5	1.2
Do Not Use Space Heating	1.3	0.4	Q	N	Q
Heat Turned Off	8.7	2.8	1.5	0.3	1.1
Daytime Setting When Someone is at Home					
Heat Turned On	101.5	36.5	19.3	6.3	10.8
63 Degrees or Less	4.1	0.8	0.4	Q	0.3
64 to 66 Degrees	8.2	2.0	1.2	0.3	0.5
67 to 69 Degrees	23.6	6.4	3.3	1.4	1.7
70 Degrees	24.6	8.0	4.4	1.3	2.3
71 to 73 Degrees	17.6	7.0	3.8	1.2	2.0
74 Degrees or More	23.2	12.3	6.2	2.0	4.1
Don't Know/No Answer	6.0	2.9	1.3	0.5	1.1
Do Not Use Space Heating	1.3	0.4	Q	N	Q
Heat Turned Off	2.3	0.9	0.8	Q	Q
Setting During Sleeping Hours					
Heat Turned On	98.1	35.9	19.1	6.3	10.4
63 Degrees or Less	13.0	2.4	1.3	0.4	0.7
64 to 66 Degrees	18.4	4.8	2.5	0.8	1.5
67 to 69 Degrees	20.8	6.5	3.4	1.4	1.8
70 Degrees	18.5	7.4	3.9	1.1	2.4
71 to 73 Degrees	11.1	5.5	3.1	1.0	1.4
74 Degrees or More	16.3	9.3	4.9	1.6	2.8
Don't Know/No Answer	6.4	2.8	1.3	0.4	1.1
Do Not Use Space Heating	1.3	0.4	Q	N	Q
Heat Turned Off	5.4	1.6	1.0	Q	0.5

Table HC13.5 Space Heating Usage Indicators by South Census Region, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	U.S. Housing Units (millions)	South Census Region			
		Total South	Census Division		
			South Atlantic	East South Central	West South Central
Secondary Heating					
Use Any Secondary Heating Equipment					
Yes	34.9	11.8	5.9	2.8	3.1
No	74.9	28.5	15.5	4.1	8.9
Proportion of Heat Provided by Secondary Heating Equipment					
Close to One-Half	4.4	1.3	0.9	Q	Q
About One-Quarter	5.8	2.0	1.1	0.4	0.5
Very Little or None	24.7	8.5	3.9	2.2	2.4
Type of Supplemental Heating Equipment Used					
Heat Pump	0.6	0.4	0.3	Q	N
Central Warm-Air Furnace	2.3	0.7	0.3	0.2	Q
Steam/Hot Water System	Q	N	N	N	N
Built-in Electric Units	2.2	0.4	0.3	Q	N
Built-in Pipeless Furnace	0.3	Q	Q	N	Q
Built-in Room Heaters	1.4	0.6	Q	Q	Q
Heating Stove	2.1	0.4	Q	Q	Q
Portable Electric Heaters	14.3	4.8	2.2	1.2	1.5
Portable Kerosene Heaters	0.6	0.3	Q	Q	N
Cooking Stove	0.5	Q	Q	Q	Q
Fireplace	10.5	3.9	2.1	0.9	1.0
Fireplace Fuel					
Wood	6.9	2.7	1.4	0.5	0.8
Natural Gas	2.7	0.6	Q	0.2	Q
Propane	0.9	0.6	0.4	Q	Q
Use of Gas Fireplace During Winter Months					
Most Days	1.2	0.4	Q	Q	Q
About Once a Week	1.3	0.4	Q	Q	Q
Less than 4 Times each Month	1.1	0.4	Q	Q	Q
Humidifier Use Each Year					
Use a Humidifier	14.2	3.2	1.9	0.7	0.6
1 to 3 Months Each Year	7.1	1.8	0.9	0.4	0.5
4 to 6 Months Each Year	5.6	1.0	0.7	0.2	Q
7 to 9 Months Each Year	0.4	Q	Q	N	Q
10 to 11 months	Q	Q	N	Q	N
Turned on All Year Long	1.1	0.3	Q	Q	Q
Do Not Use a Humidifier	96.9	37.5	19.8	6.2	11.5

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.

Table HC14.5 Space Heating Usage Indicators by West Census Region, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	U.S. Housing Units (millions)	West Census Region		
		Total West	Census Division	
			Mountain	Pacific
Total U.S. Housing Units	111.1	24.2	7.6	16.6
Do Not Have Heating Equpment	1.2	0.7	Q	0.7
Have Space Heating Equpment	109.8	23.4	7.5	16.0
Use Space Heating Equpment	109.1	22.9	7.4	15.4
Have But Do Not Use Equipment	0.8	0.6	Q	0.5
Space Heating Usage During 2005				
Heated Floorspace (Square Feet)				
None	3.6	2.1	Q	1.9
1 to 499	6.1	2.1	0.4	1.7
500 to 999	27.7	6.0	1.6	4.4
1,000 to 1,499	26.0	5.2	1.8	3.4
1,500 to 1,999	17.6	3.9	1.7	2.2
2,000 to 2,499	10.7	2.0	0.7	1.3
2,500 to 2,999	7.7	1.6	0.7	0.9
3,000 to 3,499	3.8	0.4	Q	0.2
3,500 to 3,999	2.6	0.3	Q	Q
4,000 or More	5.2	0.6	0.3	0.3
Total Number of Rooms (Excluding Bathrooms)				
0	2.1	1.1	Q	1.0
1 or 2	3.1	0.8	0.3	0.6
3	8.3	1.9	0.3	1.5
4	16.6	3.5	1.0	2.5
5	23.3	5.0	1.7	3.3
6	22.6	4.8	1.6	3.1
7	16.3	3.6	1.2	2.4
8	9.7	2.0	0.8	1.2
9 or More	9.1	1.5	0.6	0.9
At Home Behavior				
Home Used for Business				
Yes	8.9	2.6	1.0	1.6
No	102.2	21.6	6.5	15.1
Someone Home All Day				
Yes	56.4	13.0	4.1	8.9
No	54.7	11.2	3.4	7.8
Housing Unit Characteristics Affecting Usage				
Adequacy of Insulation				
Well Insulated	42.8	7.9	2.8	5.1
Adequately Insulated	46.3	10.6	3.3	7.3
Poorly Insulated	19.0	4.9	1.3	3.5
No Insulation	1.4	0.6	Q	0.5
Don't Know	1.7	0.2	Q	0.2
Home is Too Drafty During the Winter				
Never	62.9	12.9	3.8	9.0
Some of the Time	32.4	7.8	2.5	5.2
Most of the Time	6.1	1.5	0.5	1.0
All of the Time	5.6	1.4	0.4	1.0
Don't Know	4.1	0.7	0.3	0.4

Table HC14.5 Space Heating Usage Indicators by West Census Region, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	U.S. Housing Units (millions)	West Census Region		
		Total West	Census Division	
			Mountain	Pacific
Unusually High Ceilings				
Yes	27.2	7.5	2.8	4.6
No	76.9	14.8	3.8	11.0
Not Asked (Mobile Homes)	6.9	2.0	0.9	1.0
Cathedral Ceilings				
(In Housing Units with High Ceilings)				
Yes	17.1	5.1	2.0	3.0
No	10.1	2.4	0.8	1.6
Type of Glass in Windows				
Single-pane Glass	50.7	11.8	2.8	8.9
Double-pane Glass				
Without Low-e Coating	50.6	10.1	3.6	6.4
With Low-e Coating	8.0	2.0	0.9	1.1
Triple-pane Glass				
Without Low-e Coating	1.0	Q	Q	Q
With Low-e Coating	0.3	Q	Q	Q
Proportion of Original Windows Replaced				
All	22.4	4.0	0.8	3.1
Some	21.6	5.4	1.8	3.7
None	62.3	13.5	4.7	8.8
Don't Know	4.7	1.3	0.3	1.0
Thermostats				
Do Not Have a Thermostat	15.3	4.2	0.8	3.4
Have a Thermostat	95.8	20.0	6.8	13.2
1	84.5	18.0	5.9	12.1
2 or More	11.3	2.0	0.9	1.1
Use a Programmable Thermostat				
Yes	33.1	9.1	2.6	6.5
No	62.7	10.9	4.2	6.7
Use of Programable Thermostats				
Reduces Temperature During Day				
Yes	18.6	4.8	1.7	3.1
No	14.5	4.4	0.9	3.4
Reduces Temperature at Night				
Yes	21.5	5.9	1.9	3.9
No	11.6	3.2	0.7	2.6

Table HC14.5 Space Heating Usage Indicators by West Census Region, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	U.S. Housing Units (millions)	West Census Region		
		Total West	Census Division	
			Mountain	Pacific
Winter 2005 Temperature Settings				
Lower Temperature Settings				
Daytime When No One is at Home				
Yes	40.5	8.2	3.4	4.8
No	59.1	11.1	3.5	7.5
Unknown	11.4	4.9	0.6	4.3
During Sleeping Hours				
Yes	40.7	9.1	3.5	5.6
No	60.2	11.1	3.4	7.7
Unknown	10.2	4.1	0.6	3.4
Daytime Setting When No One is at Home				
Heat Turned On	93.7	15.4	6.3	9.0
63 Degrees or Less	18.9	4.6	1.8	2.8
64 to 66 Degrees	17.4	3.3	1.5	1.8
67 to 69 Degrees	17.8	2.5	1.0	1.5
70 Degrees	16.0	2.4	1.1	1.3
71 to 73 Degrees	10.2	1.0	0.2	0.8
74 Degrees or More	13.5	1.6	0.8	0.8
Don't Know/No Answer	7.4	2.5	0.4	2.1
Do Not Use Space Heating	1.3	0.7	Q	0.7
Heat Turned Off	8.7	5.6	0.8	4.8
Daytime Setting When Someone is at Home				
Heat Turned On	101.5	20.5	6.9	13.6
63 Degrees or Less	4.1	1.1	0.3	0.8
64 to 66 Degrees	8.2	1.9	0.7	1.2
67 to 69 Degrees	23.6	4.9	1.8	3.1
70 Degrees	24.6	5.3	1.8	3.5
71 to 73 Degrees	17.6	3.0	0.9	2.0
74 Degrees or More	23.2	4.4	1.5	2.9
Don't Know/No Answer	6.0	1.6	0.4	1.2
Do Not Use Space Heating	1.3	0.7	Q	0.7
Heat Turned Off	2.3	1.3	Q	1.2
Setting During Sleeping Hours				
Heat Turned On	98.1	17.9	6.6	11.2
63 Degrees or Less	13.0	4.0	1.4	2.6
64 to 66 Degrees	18.4	3.7	1.6	2.1
67 to 69 Degrees	20.8	3.2	1.2	2.0
70 Degrees	18.5	3.3	1.1	2.2
71 to 73 Degrees	11.1	1.2	0.3	0.9
74 Degrees or More	16.3	2.5	1.1	1.5
Don't Know/No Answer	6.4	1.9	0.4	1.5
Do Not Use Space Heating	1.3	0.7	Q	0.7
Heat Turned Off	5.4	3.7	0.5	3.2

Table HC14.5 Space Heating Usage Indicators by West Census Region, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	U.S. Housing Units (millions)	West Census Region		
		Total West	Census Division	
			Mountain	Pacific
Secondary Heating				
Use Any Secondary Heating Equipment				
Yes	34.9	9.3	3.1	6.2
No	74.9	14.1	4.4	9.8
Proportion of Heat Provided by Secondary Heating Equipment				
Close to One-Half	4.4	1.6	0.6	1.0
About One-Quarter	5.8	1.5	0.5	1.0
Very Little or None	24.7	6.1	2.0	4.1
Type of Supplemental Heating Equipment Used				
Heat Pump	0.6	Q	N	Q
Central Warm-Air Furnace	2.3	0.6	Q	0.5
Steam/Hot Water System	Q	Q	N	Q
Built-in Electric Units	2.2	0.7	Q	0.5
Built-in Pipeless Furnace	0.3	Q	Q	Q
Built-in Room Heaters	1.4	Q	Q	N
Heating Stove	2.1	0.6	0.3	0.3
Portable Electric Heaters	14.3	3.7	1.1	2.5
Portable Kerosene Heaters	0.6	N	N	N
Cooking Stove	0.5	Q	Q	Q
Fireplace	10.5	3.2	1.1	2.1
Fireplace Fuel				
Wood	6.9	2.0	0.6	1.4
Natural Gas	2.7	1.1	0.4	0.7
Propane	0.9	Q	Q	Q
Use of Gas Fireplace During Winter Months				
Most Days	1.2	0.3	Q	0.3
About Once a Week	1.3	0.4	Q	Q
Less than 4 Times each Month	1.1	0.4	Q	Q
Humidifier Use Each Year				
Use a Humidifier	14.2	1.9	1.1	0.8
1 to 3 Months Each Year	7.1	1.2	0.7	0.6
4 to 6 Months Each Year	5.6	0.4	0.3	Q
7 to 9 Months Each Year	0.4	Q	Q	N
10 to 11 months	Q	Q	Q	N
Turned on All Year Long	1.1	0.2	Q	Q
Do Not Use a Humidifier	96.9	22.2	6.4	15.8

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.

Table HC15.5 Space Heating Usage Indicators by Four Most Populated States, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	Housing Units (millions)	Four Most Populated States			
		New York	Florida	Texas	California
Total U.S. Housing Units	111.1	7.1	7.0	8.0	12.1
Do Not Have Heating Equpment	1.2	Q	Q	Q	0.2
Have Space Heating Equpment	109.8	7.1	6.8	7.9	11.9
Use Space Heating Equpment	109.1	7.1	6.6	7.9	11.4
Have But Do Not Use Equipment	0.8	N	Q	N	0.5
Space Heating Usage During 2005					
Heated Floorspace (Square Feet)					
None	3.6	Q	0.7	Q	1.3
1 to 499	6.1	0.5	0.4	0.5	1.4
500 to 999	27.7	2.7	1.4	2.4	3.4
1,000 to 1,499	26.0	1.4	2.2	1.6	2.5
1,500 to 1,999	17.6	0.7	1.3	1.4	1.5
2,000 to 2,499	10.7	0.5	0.4	0.8	0.8
2,500 to 2,999	7.7	0.4	0.4	0.4	0.8
3,000 to 3,499	3.8	Q	Q	Q	Q
3,500 to 3,999	2.6	Q	Q	Q	Q
4,000 or More	5.2	0.4	Q	0.4	Q
Total Number of Rooms (Excluding Bathrooms)					
0	2.1	N	Q	N	0.9
1 or 2	3.1	0.4	Q	Q	0.4
3	8.3	1.3	0.5	0.8	1.1
4	16.6	1.2	1.4	1.1	1.9
5	23.3	1.4	1.8	1.6	2.5
6	22.6	1.1	1.1	1.7	2.2
7	16.3	0.8	0.9	1.3	1.7
8	9.7	0.5	0.6	0.6	0.8
9 or More	9.1	0.6	0.4	0.7	0.5
At Home Behavior					
Home Used for Business					
Yes	8.9	0.5	0.7	0.4	1.0
No	102.2	6.6	6.4	7.6	11.1
Someone Home All Day					
Yes	56.4	3.9	3.7	4.1	6.4
No	54.7	3.2	3.3	3.8	5.7
Housing Unit Characteristics Affecting Usage					
Adequacy of Insulation					
Well Insulated	42.8	3.1	2.7	3.0	3.5
Adequately Insulated	46.3	2.7	3.1	3.1	5.2
Poorly Insulated	19.0	1.1	0.9	1.5	2.8
No Insulation	1.4	Q	Q	Q	0.4
Don't Know	1.7	Q	Q	Q	Q
Home is Too Drafty During the Winter					
Never	62.9	3.6	5.4	5.3	6.5
Some of the Time	32.4	2.6	1.0	1.9	3.9
Most of the Time	6.1	0.5	Q	Q	0.7
All of the Time	5.6	Q	Q	Q	0.8
Don't Know	4.1	Q	Q	0.3	Q

Table HC15.5 Space Heating Usage Indicators by Four Most Populated States, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	Housing Units (millions)	Four Most Populated States			
		New York	Florida	Texas	California
Unusually High Ceilings					
Yes	27.2	1.1	1.3	3.1	3.5
No	76.9	5.9	5.3	4.4	8.0
Not Asked (Mobile Homes)	6.9	Q	Q	0.5	0.5
Cathedral Ceilings					
(In Housing Units with High Ceilings)					
Yes	17.1	0.6	1.0	1.9	2.2
No	10.1	0.5	Q	1.2	1.4
Type of Glass in Windows					
Single-pane Glass	50.7	2.2	5.4	5.1	7.6
Double-pane Glass					
Without Low-e Coating	50.6	4.2	1.3	2.5	3.7
With Low-e Coating	8.0	0.6	Q	Q	0.7
Triple-pane Glass					
Without Low-e Coating	1.0	Q	N	Q	Q
With Low-e Coating	0.3	N	N	N	Q
Proportion of Original Windows Replaced					
All	22.4	2.5	0.9	0.4	2.4
Some	21.6	1.6	0.7	1.4	2.6
None	62.3	2.8	5.0	5.6	6.5
Don't Know	4.7	Q	0.3	0.6	0.6
Thermostats					
Do Not Have a Thermostat	15.3	2.2	0.7	1.4	2.3
Have a Thermostat	95.8	4.9	6.3	6.6	9.8
1	84.5	3.8	5.9	6.1	9.3
2 or More	11.3	1.1	0.4	0.5	0.5
Have a Programmable Thermostat					
Yes	33.1	2.0	1.9	2.4	5.3
No	62.7	2.9	4.4	4.2	4.5
Use of Programable Thermostats					
Reduces Temperature During Day					
Yes	18.6	1.2	0.8	1.4	2.4
No	14.5	0.8	1.1	1.0	2.9
Reduces Temperature at Night					
Yes	21.5	1.4	1.0	1.7	3.2
No	11.6	0.6	0.9	0.7	2.1

Table HC15.5 Space Heating Usage Indicators by Four Most Populated States, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	Housing Units (millions)	Four Most Populated States			
		New York	Florida	Texas	California
Winter 2005 Temperature Settings					
Lower Temperature Settings					
Daytime When No One is at Home					
Yes	40.5	2.9	1.3	2.5	3.1
No	59.1	3.6	4.2	4.4	5.7
Unknown	11.4	0.6	1.6	1.1	3.3
During Sleeping Hours					
Yes	40.7	3.2	1.0	2.3	3.6
No	60.2	3.3	4.5	4.6	5.9
Unknown	10.2	0.6	1.5	1.1	2.6
Daytime Setting When No One is at Home					
Heat Turned On	93.7	6.4	5.2	6.3	5.6
63 Degrees or Less	18.9	2.0	0.5	0.6	1.5
64 to 66 Degrees	17.4	1.2	0.5	1.0	1.2
67 to 69 Degrees	17.8	1.0	0.6	0.9	1.0
70 Degrees	16.0	1.3	0.6	1.0	0.8
71 to 73 Degrees	10.2	0.4	0.8	0.9	0.5
74 Degrees or More	13.5	0.5	2.1	1.8	0.6
Don't Know/No Answer	7.4	0.5	0.5	0.9	1.7
Do Not Use Space Heating	1.3	Q	Q	Q	0.2
Heat Turned Off	8.7	Q	1.1	0.7	4.6
Daytime Setting When Someone is at Home					
Heat Turned On	101.5	6.5	5.5	7.0	9.9
63 Degrees or Less	4.1	0.6	Q	Q	0.5
64 to 66 Degrees	8.2	0.8	Q	Q	0.7
67 to 69 Degrees	23.6	1.7	0.6	0.9	2.1
70 Degrees	24.6	1.9	0.8	1.3	2.5
71 to 73 Degrees	17.6	0.6	1.0	1.4	1.6
74 Degrees or More	23.2	0.9	2.8	3.0	2.5
Don't Know/No Answer	6.0	0.5	0.5	0.8	0.8
Do Not Use Space Heating	1.3	Q	Q	Q	0.2
Heat Turned Off	2.3	Q	0.7	Q	1.2
Setting During Sleeping Hours					
Heat Turned On	98.1	6.5	5.4	6.8	7.6
63 Degrees or Less	13.0	1.4	Q	0.4	1.5
64 to 66 Degrees	18.4	1.6	0.5	0.8	1.2
67 to 69 Degrees	20.8	1.1	0.6	1.0	1.4
70 Degrees	18.5	1.5	1.0	1.4	1.6
71 to 73 Degrees	11.1	0.3	0.9	1.1	0.7
74 Degrees or More	16.3	0.6	2.4	2.1	1.2
Don't Know/No Answer	6.4	0.5	0.5	0.8	1.2
Do Not Use Space Heating	1.3	Q	Q	Q	0.2
Heat Turned Off	5.4	Q	0.9	Q	3.1

Table HC15.5 Space Heating Usage Indicators by Four Most Populated States, 2005
Million U.S. Housing Units

Space Heating Usage Indicators	Housing Units (millions)	Four Most Populated States			
		New York	Florida	Texas	California
Secondary Heating					
Use Any Secondary Heating Equipment					
Yes	34.9	1.2	0.7	2.0	4.1
No	74.9	5.9	6.1	5.9	7.8
Proportion of Heat Provided by Secondary Heating Equipment					
Close to One-Half	4.4	Q	Q	Q	0.7
About One-Quarter	5.8	Q	Q	Q	0.7
Very Little or None	24.7	0.8	0.4	1.5	2.7
Type of Supplemental Heating Equipment Used					
Heat Pump	0.6	N	N	N	Q
Central Warm-Air Furnace	2.3	Q	Q	Q	0.3
Steam/Hot Water System	Q	N	N	N	N
Built-in Electric Units	2.2	Q	Q	N	0.3
Built-in Pipeless Furnace	0.3	N	N	Q	Q
Built-in Room Heaters	1.4	Q	N	Q	N
Heating Stove	2.1	Q	N	Q	Q
Portable Electric Heaters	14.3	0.5	0.4	0.7	1.7
Portable Kerosene Heaters	0.6	N	N	N	N
Cooking Stove	0.5	Q	N	Q	Q
Fireplace	10.5	Q	Q	0.8	1.4
Fireplace Fuel					
Wood	6.9	Q	Q	0.6	1.0
Natural Gas	2.7	N	Q	Q	0.4
Propane	0.9	Q	Q	Q	N
Use of Gas Fireplace During Winter Months					
Most Days	1.2	N	Q	Q	Q
About Once a Week	1.3	Q	Q	Q	Q
Less than 4 Times each Month	1.1	N	N	Q	Q
Humidifier Use Each Year					
Use a Humidifier	14.2	0.7	Q	0.4	0.6
1 to 3 Months Each Year	7.1	Q	N	0.3	0.5
4 to 6 Months Each Year	5.6	0.3	N	N	Q
7 to 9 Months Each Year	0.4	Q	N	Q	N
10 to 11 months	Q	N	N	N	N
Turned on All Year Long	1.1	Q	Q	Q	Q
Do Not Use a Humidifier	96.9	6.4	7.0	7.6	11.5

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.