

**Table HC1.4 Cooled Floorspace Usage Indicators, 2005**  
**Million U.S. Housing Units**

Usage Indicators	Housing Units (millions)	Cooled Floorspace (square feet)						
		Fewer than 500	500 to 999	1,000 to 1,499	1,500 to 1,999	2,000 to 2,499	2,500 to 2,999	3,000 or More
<b>Total</b> .....	111.1	49.2	15.1	15.6	11.1	7.0	5.2	8.0
<b>Have Cooling Equipment</b> .....	93.3	31.3	15.1	15.6	11.1	7.0	5.2	8.0
Use Cooling Equipment.....	91.4	30.4	14.6	15.4	11.1	6.9	5.2	7.9
Have Equipment But Do Not Use it.....	1.9	1.0	0.5	Q	Q	Q	Q	Q
<b>Do Not Have Cooling Equipment</b> .....	17.8	17.8	N	N	N	N	N	N
<b>Air-Conditioning Equipment</b> <sup>1, 2</sup>								
Central System.....	65.9	3.9	15.1	15.6	11.1	7.0	5.2	8.0
Without a Heat Pump.....	53.5	3.5	12.9	12.7	8.6	5.5	4.2	6.2
With a Heat Pump.....	12.3	0.4	2.2	2.9	2.5	1.5	1.0	1.8
Window/Wall Units.....	28.9	27.5	0.5	Q	0.3	Q	Q	Q
1 Unit.....	14.5	13.5	0.3	Q	Q	Q	N	Q
2 Units.....	9.1	8.7	Q	N	Q	N	Q	Q
3 or More Units.....	5.4	5.3	N	Q	Q	Q	N	Q
<b>Central Air-Conditioning Usage During 2005</b> <b>Among Housing Units with Central Systems</b>								
<b>Number of Rooms Air-Conditioned</b>								
None.....	1.4	0.5	0.5	Q	Q	Q	Q	Q
1.....	0.7	Q	0.3	Q	N	Q	N	N
2.....	2.1	1.0	0.8	Q	Q	Q	N	N
3.....	7.5	1.5	4.4	1.2	Q	Q	Q	Q
4.....	7.9	0.4	4.0	2.6	0.6	Q	Q	Q
5 or More.....	46.3	Q	5.0	11.4	10.4	6.6	5.1	7.7
<b>Proportion of Rooms Air-Conditioned</b>								
None.....	1.4	0.5	0.5	Q	Q	Q	Q	Q
Some, But Not All of the Rooms.....	8.4	2.5	3.6	1.5	0.3	Q	Q	Q
All of the Rooms.....	56.1	1.0	11.0	14.0	10.8	6.6	5.1	7.7
<b>Frequency Central Air-Conditioner Used</b>								
Never.....	1.4	0.5	0.5	Q	Q	Q	Q	Q
Only a Few Times.....	11.4	0.9	3.1	2.5	1.7	1.2	0.9	1.0
Quite a Bit.....	12.6	0.6	2.9	3.0	2.3	1.2	0.8	1.8
All Summer.....	40.5	1.8	8.6	9.9	7.1	4.5	3.5	5.1
<b>At Home Behavior</b>								
<b>Home Used for Business</b>								
Yes.....	6.4	0.3	1.0	1.1	1.1	0.8	0.5	1.5
No.....	59.5	3.6	14.0	14.5	10.1	6.2	4.7	6.5
<b>Someone Home All Day</b>								
Yes.....	32.7	1.8	6.8	8.6	5.7	3.3	2.8	3.8
No.....	33.1	2.1	8.3	7.0	5.5	3.7	2.4	4.2

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		Fewer than 500	500 to 999	1,000 to 1,499	1,500 to 1,999	2,000 to 2,499	2,500 to 2,999	3,000 or More
<b>Housing Unit Characteristics Affecting Usage Among Units Using Central Air-Conditioning</b>								
<b>Climate Zone<sup>3</sup></b>								
Less than 2,000 CDD and--								
Greater than 7,000 HDD.....	4.8	Q	0.7	0.8	0.7	0.8	0.5	1.1
5,500 to 7,000 HDD.....	12.3	0.7	2.6	2.7	2.2	1.2	1.1	1.9
4,000 to 5,499 HDD.....	15.1	0.6	2.8	3.3	2.4	1.9	1.4	2.6
Less than 4,000 HDD.....	14.9	1.2	4.3	4.0	2.1	1.3	1.0	1.2
2000 CDD or More and--								
Less than 4,000 HDD.....	18.7	1.2	4.7	4.8	3.8	1.8	1.2	1.2
<b>Large Tree(s) that Shade the Home</b>								
Yes.....	31.6	1.8	6.4	7.4	5.7	3.5	2.5	4.4
No.....	34.3	2.1	8.7	8.1	5.4	3.5	2.7	3.7
<b>Adequacy of Insulation</b>								
Well Insulated.....	29.5	1.5	6.2	6.2	5.1	3.6	2.5	4.5
Adequately Insulated.....	27.9	1.7	6.2	7.1	4.8	2.8	2.3	3.0
Poorly Insulated.....	7.3	0.6	2.3	1.8	1.2	0.5	0.4	0.5
No Insulation.....	0.3	Q	Q	Q	Q	N	N	N
Don't Know.....	0.9	Q	0.3	0.3	Q	Q	Q	Q
<b>Home is Too Drafty During the Winter</b>								
Never.....	42.6	2.5	9.3	9.9	7.7	4.7	3.0	5.5
Some of the Time.....	16.3	0.9	3.7	3.9	2.6	1.6	1.6	1.9
Most of the Time.....	2.5	0.2	0.5	0.7	0.4	Q	Q	0.3
All of the Time.....	2.2	0.3	0.8	0.5	Q	Q	Q	Q
Don't Know.....	2.2	Q	0.7	0.5	Q	0.3	Q	Q
<b>Unusually High Ceilings</b>								
Yes.....	20.3	0.7	3.3	2.9	3.7	3.2	2.3	4.3
No.....	41.9	2.7	10.3	11.3	7.3	3.7	2.9	3.7
Not Asked (Mobile Homes).....	3.7	0.5	1.5	1.3	Q	Q	Q	N
<b>Cathedral Ceilings (In Housing Units with High Ceilings)</b>								
Yes.....	13.5	0.5	2.2	1.8	2.5	2.2	1.4	3.0
No.....	6.7	Q	1.1	1.1	1.2	0.9	0.9	1.2
<b>Type of Glass in Windows</b>								
Single-pane Glass.....	27.4	2.4	8.1	7.4	4.3	2.3	1.3	1.6
Double-pane Glass								
Without Low-e Coating.....	31.5	1.1	6.2	7.2	5.4	3.6	3.1	4.9
With Low-e Coating.....	5.8	0.4	0.7	0.8	1.1	1.0	0.7	1.1
Triple-pane Glass								
Without Low-e Coating.....	0.8	Q	Q	Q	Q	Q	Q	Q
With Low-e Coating.....	Q	N	N	Q	Q	Q	N	Q
<b>Proportion of Original Windows Replaced</b>								
All.....	11.5	0.5	2.1	2.9	2.3	1.3	1.0	1.5
Some.....	11.1	0.8	2.2	2.3	2.2	1.3	0.9	1.4
None.....	40.9	2.5	9.8	9.7	6.4	4.2	3.3	5.0

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		Fewer than 500	500 to 999	1,000 to 1,499	1,500 to 1,999	2,000 to 2,499	2,500 to 2,999	3,000 or More
<b>Thermostats</b>								
<b>Thermostat Available During Summer</b>								
Yes.....	63.9	3.5	14.6	15.2	10.8	6.8	5.1	7.8
No.....	1.9	0.4	0.5	0.3	0.3	Q	Q	Q
<b>Have a Programmable Thermostat.....</b>								
Yes.....	25.0	1.2	4.6	5.2	4.9	2.8	2.2	4.2
No.....	38.9	2.3	10.0	10.0	6.0	4.1	2.9	3.6
<b>Use of Programmable Thermostats</b>								
<b>Reduces Temperature During Day</b>								
Yes.....	15.1	0.7	2.6	3.4	3.0	1.7	1.2	2.6
No.....	9.9	0.5	2.0	1.8	1.9	1.1	1.0	1.6
<b>Reduces Temperature at Night</b>								
Yes.....	15.4	0.7	2.8	3.2	3.0	1.9	1.3	2.7
No.....	9.6	0.5	1.8	2.0	1.9	0.9	1.0	1.5
Do Not Use Central Air-Conditioning.....	45.2	45.2	N	N	N	N	N	N
<b>Summer 2005 Temperature Settings</b>								
<b>Higher Temperature Settings</b>								
<b>Daytime When No One is at Home</b>								
Yes.....	0.5	Q	Q	Q	Q	Q	N	Q
No.....	50.8	2.3	10.7	12.4	9.1	5.5	4.2	6.7
Unknown.....	14.5	1.6	4.2	3.1	1.9	1.4	1.0	1.3
Do Not Use Central Air-Conditioning.....	45.2	45.2	N	N	N	N	N	N
<b>During Sleeping Hours</b>								
Yes.....	7.3	0.3	1.3	1.6	1.4	1.0	0.7	1.0
No.....	44.3	2.0	9.7	10.9	7.8	4.6	3.5	5.8
Unknown.....	14.2	1.6	4.1	3.0	1.9	1.4	1.0	1.2
Do Not Use Central Air-Conditioning.....	45.2	45.2	N	N	N	N	N	N
<b>Daytime Setting When Someone is at Home</b>								
Air Conditioner Turned On.....	52.0	2.4	11.1	12.6	9.3	5.7	4.2	6.8
69 Degrees or Less.....	4.8	Q	1.4	1.2	0.8	0.4	0.5	0.3
70 Degrees.....	7.2	0.3	1.6	1.8	1.3	0.7	0.7	0.7
71 to 73 Degrees.....	8.8	0.4	1.8	1.7	1.2	1.0	1.1	1.6
74 to 76 Degrees.....	16.5	0.7	3.5	4.3	3.0	1.8	0.9	2.3
77 to 79 Degrees.....	11.1	0.6	2.0	2.7	2.4	1.3	0.9	1.3
80 Degrees or More.....	3.7	0.3	0.8	0.8	0.6	0.4	Q	0.6
Don't Know/No Answer.....	1.1	Q	0.4	0.4	Q	Q	Q	Q
Do Not Use Central Air Conditioning.....	45.2	45.2	N	N	N	N	N	N
<b>Setting When No One is at Home</b>								
Air Conditioner Turned On.....	49.5	2.3	10.0	12.1	9.1	5.4	4.1	6.6
69 Degrees or Less.....	3.6	Q	1.1	0.9	0.6	0.3	0.3	0.3
70 Degrees.....	5.2	0.3	1.1	1.4	0.8	0.5	0.5	0.5
71 to 73 Degrees.....	6.0	Q	1.2	1.3	1.0	0.8	0.6	1.0
74 to 76 Degrees.....	13.8	0.7	2.6	3.8	2.4	1.3	1.1	1.9
77 to 79 Degrees.....	10.7	0.4	1.8	2.4	2.5	1.3	0.8	1.5
80 Degrees or More.....	10.2	0.6	2.2	2.3	1.9	1.2	0.7	1.3
Don't Know/No Answer.....	1.6	Q	0.6	0.5	Q	Q	Q	Q
Air-Conditioner Turned Off.....	2.0	Q	0.8	0.4	Q	Q	Q	Q
Do Not Use Central Air Conditioning.....	45.2	45.2	N	N	N	N	N	N

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<b>Setting During Sleeping Hours</b>								
Air Conditioner Turned On.....	51.0	2.3	10.7	12.4	9.2	5.6	4.1	6.7
69 Degrees or Less.....	5.7	Q	1.6	1.4	1.1	0.5	0.5	0.5
70 Degrees.....	7.7	0.4	1.8	2.1	1.3	0.7	0.7	0.7
71 to 73 Degrees.....	8.3	0.3	1.7	1.7	1.2	1.0	0.9	1.5
74 to 76 Degrees.....	15.5	0.8	3.1	3.6	2.8	1.8	1.1	2.1
77 to 79 Degrees.....	9.7	0.4	1.7	2.4	2.0	1.2	0.7	1.2
80 Degrees or More.....	4.1	Q	0.8	1.2	0.7	0.4	Q	0.6
Don't Know/No Answer.....	1.3	Q	0.4	0.3	Q	Q	Q	Q
Air-Conditioner Turned Off.....	0.8	Q	0.3	Q	Q	Q	Q	Q
Do Not Use Central Air Conditioning.....	45.2	45.2	N	N	N	N	N	N
<b>Dehumidifier Use Each Year</b>								
Use a Humidifier.....	13.3	4.7	1.2	1.5	1.4	1.3	1.3	2.0
1 to 3 Months Each Year.....	5.1	2.0	0.5	0.6	0.4	0.5	0.5	0.6
4 to 6 Months Each Year.....	4.4	1.6	0.5	0.5	0.4	0.5	0.4	0.6
7 to 9 Months Each Year.....	0.9	Q	Q	Q	Q	Q	Q	Q
10 to 11 months.....	Q	Q	N	N	N	N	Q	Q
Turned on All Year Long.....	2.6	0.8	Q	0.3	0.3	Q	Q	0.5
Do Not Use a Dehumidifier.....	97.8	44.5	13.8	14.1	9.8	5.7	3.9	6.0
<b>Window/Wall Air Conditioners</b>								
<b>Window/Wall Air-Conditioning Use</b>								
Never.....	0.6	0.5	Q	Q	Q	Q	N	N
Only a Few Times.....	12.1	11.5	Q	Q	Q	Q	N	Q
Quite a Bit.....	7.5	7.1	Q	Q	Q	Q	Q	Q
All Summer.....	8.6	8.3	Q	N	Q	Q	N	Q
<b>Energy Star Wall/Window (Most-Used) Unit</b>								
Yes.....	4.6	4.2	Q	Q	Q	Q	N	Q
No.....	2.7	2.4	Q	Q	Q	Q	Q	Q
Don't Know.....	7.0	6.9	Q	N	N	N	N	N
Unit is More Than 4 Years Old.....	14.6	13.9	Q	Q	Q	Q	N	Q
<b>Swamp Cooler (Asked Only In Arid Areas)</b>								
Yes.....	3.4	2.7	Q	Q	Q	Q	N	Q
No.....	41.9	17.2	7.4	6.3	4.6	2.5	1.9	2.0
Not Asked.....	65.8	29.3	7.5	9.1	6.4	4.4	3.3	5.9

1. In the 2005 RECS 1.5 million housing units reported having both central and window/wall air conditioners.
  2. The number of housing units using air-conditioning includes a small, undetermined number of housing units where the fuel for central air-conditioning was some fuel other than electricity; these housing units were treated as if the air-conditioning fuel was electricity.
  3. 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.