Table AC4.  Total Expenditures for Air-Conditioning by Equipment Type, 2005
Billion Dollars

<table>
<thead>
<tr>
<th>U.S. Households (millions)</th>
<th>Total U.S. Using Any Air-Conditioning Equipment (millions)</th>
<th>Type of Air-Conditioning Equipment (billion Dollars)</th>
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Energy Information Administration
2005 Residential Energy Consumption Survey: Energy Consumption and Expenditures Tables
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<th>Total U.S. Using Any Air-Conditioning Equipment (millions)</th>
<th>Type of Air-Conditioning Equipment (billion Dollars)</th>
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### Table AC4. Total Expenditures for Air-Conditioning by Equipment Type, 2005

**Billion Dollars**

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<th>Window/Wall Units</th>
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<td>$20,000 to $29,999</td>
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Energy Information Administration

2005 Residential Energy Consumption Survey: Energy Consumption and Expenditures Tables
### Table AC4. Total Expenditures for Air-Conditioning by Equipment Type, 2005
Billion Dollars

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Energy Information Administration
2005 Residential Energy Consumption Survey: Energy Consumption and Expenditures Tables
### Table AC4. Total Expenditures for Air-Conditioning by Equipment Type, 2005
Billion Dollars

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<th>Type of Air-Conditioning Equipment</th>
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<th>Type of Air-Conditioning Equipment (billion Dollars)</th>
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<td>Used by Two or More Housing Units</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Less than 2 Years</td>
<td>Q</td>
<td>Q</td>
<td>Q</td>
</tr>
<tr>
<td>2 to 4 Years</td>
<td>Q</td>
<td>Q</td>
<td>0.1</td>
</tr>
<tr>
<td>5 to 9 Years</td>
<td>0.3</td>
<td>0.3</td>
<td>0.5</td>
</tr>
<tr>
<td>10 to 19 Years</td>
<td>0.3</td>
<td>Q</td>
<td>Q</td>
</tr>
<tr>
<td>20 Years or More</td>
<td>0.3</td>
<td>Q</td>
<td>Q</td>
</tr>
<tr>
<td>Don’t Know</td>
<td>0.7</td>
<td>0.7</td>
<td>0.2</td>
</tr>
<tr>
<td>Age of Most-Used Window/Wall Unit</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Less than 2 Years</td>
<td>6.4</td>
<td>6.4</td>
<td>1.0</td>
</tr>
<tr>
<td>2 to 4 Years</td>
<td>7.8</td>
<td>7.6</td>
<td>1.2</td>
</tr>
<tr>
<td>5 to 9 Years</td>
<td>7.0</td>
<td>6.9</td>
<td>1.1</td>
</tr>
<tr>
<td>10 to 19 Years</td>
<td>3.7</td>
<td>3.6</td>
<td>0.5</td>
</tr>
<tr>
<td>20 Years or More</td>
<td>2.1</td>
<td>2.0</td>
<td>0.3</td>
</tr>
<tr>
<td>Don’t Know</td>
<td>1.8</td>
<td>1.7</td>
<td>0.2</td>
</tr>
<tr>
<td>Cooled Floorspace (Square Feet)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fewer than 500</td>
<td>37.6</td>
<td>17.9</td>
<td>2.3</td>
</tr>
<tr>
<td>500 to 999</td>
<td>19.9</td>
<td>19.9</td>
<td>4.4</td>
</tr>
<tr>
<td>1,000 to 1,499</td>
<td>14.3</td>
<td>14.3</td>
<td>4.0</td>
</tr>
<tr>
<td>1,500 to 1,999</td>
<td>9.9</td>
<td>9.9</td>
<td>3.4</td>
</tr>
<tr>
<td>2,000 to 2,499</td>
<td>7.5</td>
<td>7.5</td>
<td>2.6</td>
</tr>
<tr>
<td>2,500 to 2,999</td>
<td>6.1</td>
<td>6.1</td>
<td>2.1</td>
</tr>
<tr>
<td>3,000 or 3,499</td>
<td>4.3</td>
<td>4.3</td>
<td>1.4</td>
</tr>
<tr>
<td>3,500 to 3,999</td>
<td>2.9</td>
<td>2.9</td>
<td>1.1</td>
</tr>
<tr>
<td>4,000 or More</td>
<td>8.7</td>
<td>8.7</td>
<td>4.0</td>
</tr>
</tbody>
</table>
### Table AC4. Total Expenditures for Air-Conditioning by Equipment Type, 2005

**Billion Dollars**

<table>
<thead>
<tr>
<th>Type of Air-Conditioning Equipment</th>
<th>U.S. Households (millions)</th>
<th>Total U.S. Using Any Air-Conditioning Equipment (millions)</th>
<th>Type of Air-Conditioning Equipment (billion Dollars)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Total</td>
<td>Central System</td>
</tr>
<tr>
<td>None................................</td>
<td>1.4</td>
<td>Q</td>
<td>Q</td>
</tr>
<tr>
<td>Some, But Not all of the Rooms...</td>
<td>8.4</td>
<td>8.4</td>
<td>1.7</td>
</tr>
<tr>
<td>All of the Rooms..................</td>
<td>56.1</td>
<td>56.1</td>
<td>19.9</td>
</tr>
</tbody>
</table>

#### Proportion of Rooms Air-Conditioned

- None................................| 1.4                         | Q     | Q              | Q                  | N               |
- Some, But Not all of the Rooms...| 8.4                         | 8.4   | 1.7            | 1.7                | N               |
- All of the Rooms..................| 56.1                        | 56.1  | 19.9           | 19.9               | N               |

#### Frequency of Central Air-Conditioner Use

- Never................................| 1.4                         | Q     | Q              | Q                  | N               |
- Only a Few Times When Needed.....| 11.4                        | 11.4  | 1.3            | 1.3                | N               |
- Quite a Bit........................| 12.6                        | 12.6  | 3.0            | 3.0                | N               |
- All Summer..........................| 40.5                        | 40.5  | 17.4           | 17.4               | N               |

#### Frequency of Most Used Window/Wall Unit

- Never................................| 0.6                         | Q     | Q              | Q                  | N               |
- Only a Few Times When Needed.....| 12.1                        | 12.1  | 1.0            | 0.2                | 0.8             |
- Quite a Bit........................| 7.5                         | 7.5   | 1.0            | 0.2                | 0.8             |
- All Summer..........................| 8.6                         | 8.6   | 2.2            | 0.2                | 2.0             |

#### Weekday Home Activities

**Home Used for Business**

- Yes................................| 8.9                         | 7.5   | 2.7            | 2.5                | 0.1             |
- No................................ 102.2                        | 83.8                          | 22.6  | 19.1             | 3.5             |

**Energy-Intensive Activity**

- Yes................................| 2.2                         | 1.6   | 0.5            | 0.4                | Q               |
- No................................ 108.9                        | 89.7                          | 24.8  | 21.2             | 3.6             |

**Someone Home All Day**

- Yes................................| 56.4                        | 46.5  | 13.0           | 11.0               | 2.0             |
- No................................ 54.7                        | 44.9                          | 12.2  | 10.6             | 1.7             |

#### Adequacy of Insulation

- Well Insulated....................| 42.8                        | 37.1  | 10.5           | 9.6                | 0.9             |
- Adequately Insulated.............| 46.3                        | 37.9  | 10.7           | 9.2                | 1.4             |
- Poorly Insulated..................| 19.0                        | 14.1  | 3.6            | 2.5                | 1.1             |
- No Insulation.....................| 1.4                         | 0.8   | 0.2            | Q                  | 0.1             |
- Don't Know.........................| 1.7                         | 1.4   | 0.4            | 0.3                | 0.1             |
<table>
<thead>
<tr>
<th>Type of Air-Conditioning Equipment</th>
<th>Total U.S. Using Any Air-Conditioning Equipment (millions)</th>
<th>Type of Air-Conditioning Equipment (billion Dollars)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Total</td>
<td>Central System</td>
</tr>
<tr>
<td>Home is Too Drafty During the Winter</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Never</td>
<td>62.9</td>
<td>53.8</td>
</tr>
<tr>
<td>Some of the Time</td>
<td>32.4</td>
<td>25.8</td>
</tr>
<tr>
<td>Most of the Time</td>
<td>6.1</td>
<td>4.3</td>
</tr>
<tr>
<td>All of the Time</td>
<td>5.6</td>
<td>4.0</td>
</tr>
<tr>
<td>Don't Know</td>
<td>4.1</td>
<td>3.5</td>
</tr>
<tr>
<td>Unusually High Ceilings</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yes</td>
<td>27.2</td>
<td>23.3</td>
</tr>
<tr>
<td>No</td>
<td>76.9</td>
<td>62.6</td>
</tr>
<tr>
<td>Not Asked (Mobile Homes)</td>
<td>6.9</td>
<td>5.4</td>
</tr>
<tr>
<td>Cathedral Ceilings (In Housing Units with High Ceilings)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yes</td>
<td>17.1</td>
<td>14.5</td>
</tr>
<tr>
<td>No</td>
<td>10.1</td>
<td>8.7</td>
</tr>
<tr>
<td>Type of Glass in Windows</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Single-pane Glass</td>
<td>50.7</td>
<td>41.2</td>
</tr>
<tr>
<td>Double-pane Glass</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Without Low-e Coating</td>
<td>50.6</td>
<td>42.0</td>
</tr>
<tr>
<td>With Low-e Coating</td>
<td>8.0</td>
<td>6.7</td>
</tr>
<tr>
<td>Triple-pane Glass</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Without Low-e Coating</td>
<td>1.0</td>
<td>0.9</td>
</tr>
<tr>
<td>With Low-e Coating</td>
<td>0.3</td>
<td>0.3</td>
</tr>
<tr>
<td>Proportion of Original Windows Replaced</td>
<td></td>
<td></td>
</tr>
<tr>
<td>All</td>
<td>22.4</td>
<td>18.1</td>
</tr>
<tr>
<td>Some</td>
<td>21.6</td>
<td>16.9</td>
</tr>
<tr>
<td>None</td>
<td>62.3</td>
<td>52.7</td>
</tr>
<tr>
<td>Don't Know</td>
<td>4.7</td>
<td>3.7</td>
</tr>
</tbody>
</table>
Table AC4. Total Expenditures for Air-Conditioning by Equipment Type, 2005

<table>
<thead>
<tr>
<th>Type of Air-Conditioning Equipment</th>
<th>Central System 6</th>
<th>Window/Wall Units 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total U.S. Using Any Air-Conditioning Equipment (millions)</td>
<td>Total</td>
<td>Central System</td>
</tr>
<tr>
<td>U.S. Households (millions)</td>
<td>Total</td>
<td>Central System</td>
</tr>
<tr>
<td>--------------------------------</td>
<td>---------</td>
<td>----------------</td>
</tr>
<tr>
<td>Thermostats</td>
<td>15.3</td>
<td>10.4</td>
</tr>
<tr>
<td>Do Not Have a Thermostat</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Have a Thermostat</td>
<td>95.8</td>
<td>81.0</td>
</tr>
<tr>
<td>1 or More</td>
<td>84.5</td>
<td>71.2</td>
</tr>
<tr>
<td>2 or More</td>
<td>11.3</td>
<td>9.8</td>
</tr>
<tr>
<td>Have a Programmable Thermostat</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yes</td>
<td>33.1</td>
<td>28.6</td>
</tr>
<tr>
<td>No</td>
<td>62.7</td>
<td>52.3</td>
</tr>
<tr>
<td>Use of Programmable Thermostats</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reduces Temperature During Day</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yes</td>
<td>18.6</td>
<td>16.3</td>
</tr>
<tr>
<td>No</td>
<td>14.5</td>
<td>12.4</td>
</tr>
<tr>
<td>Reduces Temperature at Night</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yes</td>
<td>21.5</td>
<td>18.6</td>
</tr>
<tr>
<td>No</td>
<td>11.6</td>
<td>10.0</td>
</tr>
</tbody>
</table>

1 One of five climatically distinct areas, determined according to the 30-year average (1971-2000) of the annual heating and cooling degree-days. A household is assigned to a climate zone according to the 30-year average annual degree-days for an appropriate nearby weather station.
2 Below 150 percent of poverty line or 60 percent of median state income.
3 Respondents were permitted to select more than one racial category to describe themselves. The "Other" category includes Native Americans, Native Alaskans, and Pacific Islanders.
4 Only applies to households using central air-conditioning.
5 In the 2005 RECS, 1.5 million housing units reported having both central and window/wall air conditioners. They are included in this column.
6 In the 2005 RECS, 1.5 million housing units reported having both central and window/wall air conditioners. They are not included in this column.
Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.
N = No cases in the reporting sample.
(*) Number less than 0.5, 0.05, or 0.005 depending on the number of significant digits in the column, rounded to zero.
Notes: ● Because of rounding, data may not sum to totals. ● See "Glossary" for definition of terms used in this report.