

Table CE3-6.1u. Electric Air-Conditioning Energy Consumption and Expenditures by Household Member and Usage Indicators, 2001

| Usage Indicators | Electric Air-Conditioning Energy | | | | | | | | RSE Row Factors |
|--|----------------------------------|-------------------------------|--------------------------------|----------------------------|------------------------|-------------------|-----------------------------------|------------------------|-----------------|
| | Households (millions) | Total ^a | | Per Household ^a | | | Per Household Member ^a | | |
| | | Consumption (quadrillion Btu) | Expenditures (billion dollars) | Consumption (million Btu) | Expenditures (dollars) | Household Members | Consumption (million Btu) | Expenditures (dollars) | |
| RSE Column Factor: | 1.0 | 1.4 | 1.5 | 1.0 | 1.0 | 0.5 | 1.0 | 1.0 | |
| Total Households Using Air-Conditioning¹ | 80.8 | 0.62 | 15.94 | 7.7 | 197 | 2.5 | 3.0 | 77 | 2.2 |
| Central Air-Conditioning² | | | | | | | | | |
| Have Equipment ³ | 57.5 | 0.55 | 13.81 | 9.5 | 240 | 2.6 | 3.7 | 93 | 2.5 |
| Use of Equipment | | | | | | | | | |
| Only a Few Times | 16.8 | 0.07 | 1.82 | 4.0 | 109 | 2.4 | 1.7 | 46 | 4.0 |
| Quite a Bit | 12.1 | 0.11 | 2.93 | 9.4 | 242 | 2.7 | 3.5 | 90 | 4.6 |
| All Summer | 28.4 | 0.37 | 9.03 | 12.9 | 318 | 2.7 | 4.8 | 119 | 3.1 |
| Room Air-Conditioning | | | | | | | | | |
| Have Equipment | 23.3 | 0.08 | 2.13 | 3.2 | 91 | 2.5 | 1.3 | 37 | 3.8 |
| Use of Equipment | | | | | | | | | |
| Only a Few Times | 13.6 | 0.02 | 0.76 | 1.8 | 56 | 2.4 | 0.8 | 23 | 4.0 |
| Quite a Bit | 5.0 | 0.02 | 0.48 | 3.5 | 97 | 2.5 | 1.4 | 38 | 6.8 |
| All Summer | 4.7 | 0.03 | 0.89 | 7.1 | 187 | 2.6 | 2.7 | 72 | 6.8 |
| Weekday Home Activities | | | | | | | | | |
| Home Used for Business | | | | | | | | | |
| Yes | 5.9 | 0.05 | 1.35 | 8.9 | 226 | 2.9 | 3.1 | 79 | 7.5 |
| No/Don't Know | 74.8 | 0.57 | 14.60 | 7.6 | 195 | 2.5 | 3.0 | 77 | 2.4 |
| Energy-Intensive Activity | | | | | | | | | |
| Yes | 1.3 | 0.01 | 0.26 | 7.5 | 199 | 2.8 | 2.7 | 71 | 16.2 |
| No/Don't Know | 79.5 | 0.61 | 15.69 | 7.7 | 197 | 2.5 | 3.0 | 78 | 2.2 |
| Someone Home All Day | | | | | | | | | |
| Yes | 39.9 | 0.30 | 7.78 | 7.6 | 195 | 2.6 | 2.9 | 74 | 3.4 |
| No/Don't Know | 40.8 | 0.32 | 8.16 | 7.8 | 200 | 2.5 | 3.2 | 81 | 2.3 |
| Cooled Floorspace Category (square feet) | | | | | | | | | |
| Fewer than 500 | 9.2 | 0.02 | 0.63 | 2.4 | 69 | 2.3 | 1.1 | 30 | 6.9 |
| 500 to 999 | 17.4 | 0.09 | 2.32 | 5.1 | 134 | 2.2 | 2.4 | 62 | 4.6 |
| 1,000 to 1,499 | 17.2 | 0.13 | 3.26 | 7.4 | 189 | 2.4 | 3.0 | 77 | 4.2 |
| 1,500 to 1,999 | 12.0 | 0.10 | 2.65 | 8.6 | 221 | 2.7 | 3.2 | 82 | 5.0 |
| 2,000 to 2,499 | 8.5 | 0.08 | 1.99 | 9.5 | 235 | 2.7 | 3.5 | 88 | 5.3 |
| 2,500 to 2,999 | 5.6 | 0.05 | 1.35 | 9.6 | 241 | 2.7 | 3.5 | 89 | 9.1 |
| 3,000 to 3,499 | 3.7 | 0.04 | 1.10 | 11.8 | 298 | 3.2 | 3.7 | 93 | 6.6 |
| 3,500 to 3,999 | 2.2 | 0.03 | 0.80 | 14.0 | 364 | 3.4 | 4.1 | 106 | 14.2 |
| 4,000 or More | 5.0 | 0.07 | 1.84 | 14.7 | 366 | 3.1 | 4.7 | 118 | 6.5 |
| Year of Construction | | | | | | | | | |
| 1939 or Before | 11.9 | 0.06 | 1.47 | 4.7 | 123 | 2.5 | 1.9 | 49 | 5.4 |
| 1940 to 1949 | 5.2 | 0.03 | 0.83 | 6.2 | 160 | 2.7 | 2.3 | 60 | 9.5 |
| 1950 to 1959 | 10.2 | 0.07 | 1.75 | 6.7 | 172 | 2.4 | 2.8 | 72 | 5.4 |
| 1960 to 1969 | 10.1 | 0.07 | 1.84 | 6.9 | 181 | 2.4 | 2.9 | 76 | 6.4 |
| 1970 to 1979 | 14.2 | 0.13 | 3.17 | 8.9 | 224 | 2.4 | 3.6 | 92 | 5.4 |
| 1980 to 1989 | 15.8 | 0.14 | 3.56 | 9.0 | 225 | 2.5 | 3.6 | 90 | 5.3 |
| 1990 to 1999 | 12.6 | 0.12 | 3.12 | 9.8 | 248 | 3.0 | 3.3 | 84 | 8.6 |
| 2000 to 2001 ⁴ | 0.8 | 0.01 | 0.21 | 9.3 | 256 | 3.5 | 2.7 | 74 | 19.4 |
| Housing Unit Type and Number of Bedrooms | | | | | | | | | |
| Mobile Homes | 5.1 | 0.04 | 0.88 | 7.4 | 171 | 2.6 | 2.8 | 65 | 9.9 |
| Less than 3 Bedrooms | 2.7 | 0.02 | 0.40 | 6.0 | 145 | 2.1 | 2.9 | 71 | 11.9 |
| 3 or More Bedrooms | 2.4 | 0.02 | 0.48 | 8.9 | 201 | 3.3 | 2.7 | 61 | 11.5 |

See footnotes at end of table.

Table CE3-6.1u. Electric Air-Conditioning Energy Consumption and Expenditures by Household Member and Usage Indicators, 2001

(Continued)

| Usage Indicators | Electric Air-Conditioning Energy | | | | | | | | RSE Row Factors |
|-------------------------------------|----------------------------------|-------------------------------|--------------------------------|----------------------------|------------------------|-------------------|-----------------------------------|------------------------|-----------------|
| | Households (millions) | Total ^a | | Per Household ^a | | | Per Household Member ^a | | |
| | | Consumption (quadrillion Btu) | Expenditures (billion dollars) | Consumption (million Btu) | Expenditures (dollars) | Household Members | Consumption (million Btu) | Expenditures (dollars) | |
| | RSE Column Factor: | 1.0 | 1.4 | 1.5 | 1.0 | 1.0 | 0.5 | 1.0 | |
| Single-Family Detached | 49.3 | 0.45 | 11.29 | 9.1 | 229 | 2.7 | 3.4 | 85 | 2.9 |
| Less than 3 Bedrooms | 8.8 | 0.05 | 1.35 | 6.0 | 153 | 2.0 | 3.1 | 78 | 5.0 |
| 3 Bedrooms | 27.0 | 0.22 | 5.56 | 8.3 | 206 | 2.6 | 3.2 | 79 | 3.8 |
| 4 Bedrooms | 11.2 | 0.14 | 3.58 | 12.6 | 321 | 3.3 | 3.8 | 98 | 5.4 |
| 5 or More Bedrooms | 2.3 | 0.03 | 0.80 | 13.3 | 349 | 3.8 | 3.5 | 93 | 12.8 |
| Single-Family Attached | 8.3 | 0.05 | 1.41 | 6.4 | 171 | 2.6 | 2.5 | 66 | 9.3 |
| Less than 3 Bedrooms | 2.9 | 0.01 | 0.36 | 4.7 | 126 | 2.0 | 2.4 | 64 | 12.0 |
| 3 Bedrooms | 3.6 | 0.02 | 0.66 | 6.7 | 183 | 2.5 | 2.6 | 72 | 11.0 |
| 4 or More Bedrooms | 1.8 | 0.01 | 0.38 | 8.5 | 218 | 3.7 | 2.3 | 58 | 16.9 |
| Apartments in Buildings | | | | | | | | | |
| With 2 to 4 Units | 6.3 | 0.03 | 0.85 | 5.0 | 135 | 2.2 | 2.3 | 62 | 8.5 |
| Less than 2 Bedrooms | 1.6 | 0.01 | 0.15 | 3.4 | 93 | 1.6 | 2.1 | 57 | 12.7 |
| 2 Bedrooms | 3.6 | 0.02 | 0.53 | 5.7 | 147 | 2.0 | 2.8 | 72 | 9.4 |
| 3 or More Bedrooms | 1.1 | 0.01 | 0.18 | 5.4 | 157 | 3.4 | 1.6 | 47 | 21.9 |
| Apartments in Buildings | | | | | | | | | |
| With 5 or More Units | 11.8 | 0.05 | 1.51 | 4.6 | 128 | 2.0 | 2.3 | 63 | 9.0 |
| Less than 2 Bedrooms | 5.6 | 0.02 | 0.53 | 3.4 | 95 | 1.6 | 2.2 | 61 | 10.1 |
| 2 Bedrooms | 5.2 | 0.03 | 0.73 | 5.0 | 141 | 2.3 | 2.2 | 61 | 13.4 |
| 3 or More Bedrooms | 1.0 | 0.01 | 0.24 | 9.4 | 248 | 3.3 | 2.8 | 74 | 17.8 |

¹ The number of households, where the end use is electric air-conditioning, does **not** include households that did not use their equipment (2.1 million).

² The 2001 RECS reported 800,000 households having both central air-conditioning and room/wall air-conditioners, with 600,000 households using both central air-conditioning and 200,000 households using only room/wall air-conditioners. These room/wall air-conditioners are not included in the count of 23.3 million households using room/wall air-conditioners. Note: This applies to all occurrences of central air-conditioning.

³ If a household has both a central and room air-conditioner then the usage and age of the equipment is presented only for the central unit.

⁴ New construction for 2001 includes only those housing units built and occupied between January and the April-August period when the household interviews were conducted.

^a The column factor in this section is underestimated because it contains no error for estimating the end-use.

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals. • See "Glossary" for definition of terms used in this report.

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