

**Table E5A. Electricity Consumption (kWh) by End Use for All Buildings, 2003**

|  | Total Electricity Consumption (billion kWh) |               |         |             |               |          |         |               |                  |           |       |
|--|---|---------------|---------|-------------|---------------|----------|---------|---------------|------------------|-----------|-------|
|  | Total                                       | Space Heating | Cooling | Ventilation | Water Heating | Lighting | Cooking | Refrigeration | Office Equipment | Computers | Other |
| <b>All Buildings</b> .....               | 1,043                                       | 49            | 141     | 128         | 26            | 393      | 7       | 112           | 20               | 46        | 122   |
| <b>Building Floorspace (Square Feet)</b> |   |               |         |             |               |          |         |               |                  |           |       |
| 1,001 to 5,000 .....                     | 115   | 6             | 13      | 5           | 3             | 28       | 2       | 40            | 2                | 3         | 11    |
| 5,001 to 10,000 .....                    | 86  | 5             | 11      | 5           | 2             | 28       | 1       | 17            | 2                | 3         | 11    |
| 10,001 to 25,000 .....                   | 142   | 8             | 16      | 15          | 4             | 54       | 1       | 17            | 3                | 6         | 19    |
| 25,001 to 50,000 .....                   | 116   | 5             | 18      | 16          | 3             | 41       | (*)     | 11            | 2                | 5         | 14    |
| 50,001 to 100,000 .....                  | 153   | 8             | 22      | 23          | 4             | 59       | 1       | 10            | 2                | 6         | 17    |
| 100,001 to 200,000 .....                 | 172   | 7             | 24      | 27          | 3             | 68       | (*)     | 9             | 4                | 10        | 20    |
| 200,001 to 500,000 .....                 | 112   | 3             | 16      | 16          | 2             | 50       | (*)     | 3             | 2                | 6         | 13    |
| Over 500,000 .....                       | 147   | 7             | 20      | 20          | 3             | 64       | 1       | 5             | 3                | 7         | 16    |
| <b>Principal Building Activity</b>       |   |               |         |             |               |          |         |               |                  |           |       |
| Education .....                          | 109   | 4             | 22      | 24          | 3             | 33       | (*)     | 5             | 1                | 9         | 6     |
| Food Sales .....                         | 61  | 2             | 4       | 2           | Q             | 14       | 1       | 35            | 1                | 1         | 3     |
| Food Service .....                       | 63  | 3             | 8       | 7           | 3             | 12       | 4       | 20            | (*)              | 1         | 4     |
| Health Care .....                        | 73  | 2             | 10      | 12          | 1             | 31       | (*)     | 2             | 1                | 3         | 11    |
| Inpatient .....                          | 52  | 1             | 7       | 11          | 1             | 22       | (*)     | 1             | 1                | 2         | 6     |
| Outpatient .....                         | 20  | 1             | 3       | 1           | (*)           | 8        | (*)     | 1             | (*)              | 1         | 4     |
| Lodging .....                            | 69  | 4             | 7       | 4           | 3             | 36       | 1       | 3             | Q                | 2         | 7     |
| Mercantile .....                         | 215   | 17            | 32      | 20          | 11            | 90       | 1       | 14            | 2                | 3         | 24    |
| Retail (Other Than Mall) .....           | 62  | 2             | 7       | 5           | 1             | 33       | (*)     | 6             | 1                | 1         | 6     |
| Enclosed and Strip Malls .....           | 153   | 15            | 25      | 15          | 11            | 58       | 1       | 8             | 2                | 2         | 18    |
| Office .....                             | 211   | 10            | 30      | 18          | 2             | 82       | (*)     | 10            | 9                | 22        | 27    |
| Public Assembly .....                    | 49  | 1             | 10      | 18          | (*)           | 8        | (*)     | 3             | Q                | 1         | 7     |
| Public Order and Safety .....            | 17  | 1             | 2       | 3           | 1             | 5        | (*)     | 1             | (*)              | (*)       | 3     |
| Religious Worship .....                  | 18  | 1             | 3       | 2           | (*)           | 5        | (*)     | 2             | (*)              | (*)       | 5     |
| Service .....                            | 44  | 2             | 4       | 7           | (*)           | 18       | Q       | 3             | (*)              | 1         | 8     |
| Warehouse and Storage .....              | 72  | 1             | 4       | 6           | 1             | 39       | Q       | 10            | 1                | 1         | 9     |
| Other .....                              | 39  | 1             | 5       | 3           | Q             | 17       | Q       | 3             | Q                | 1         | 6     |
| Vacant .....                             | 4   | (*)           | (*)     | (*)         | Q             | 1        | Q       | (*)           | Q                | (*)       | 2     |
| <b>Year Constructed</b>                  |   |               |         |             |               |          |         |               |                  |           |       |
| Before 1920 .....                        | 27  | 1             | 2       | 3           | Q             | 10       | (*)     | 5             | 1                | 1         | 4     |
| 1920 to 1945 .....                       | 63  | 1             | 5       | 9           | 1             | 27       | (*)     | 8             | 1                | 2         | 9     |
| 1946 to 1959 .....                       | 72  | 3             | 8       | 10          | 2             | 27       | 1       | 8             | 1                | 3         | 9     |
| 1960 to 1969 .....                       | 105   | 4             | 14      | 16          | 2             | 37       | (*)     | 12            | 2                | 6         | 13    |
| 1970 to 1979 .....                       | 202   | 12            | 26      | 25          | 5             | 78       | 1       | 19            | 4                | 8         | 24    |
| 1980 to 1989 .....                       | 231   | 12            | 34      | 24          | 7             | 87       | 1       | 22            | 5                | 11        | 27    |
| 1990 to 1999 .....                       | 241   | 11            | 36      | 29          | 7             | 86       | 2       | 27            | 5                | 11        | 27    |
| 2000 to 2003 .....                       | 102   | 5             | 16      | 11          | 2             | 40       | 1       | 12            | 1                | 3         | 11    |
| <b>Census Region and Division</b>        |   |               |         |             |               |          |         |               |                  |           |       |
| Northeast .....                          | 172   | 10            | 13      | 22          | 3             | 70       | 1       | 18            | 4                | 9         | 22    |
| New England .....                        | 41  | 3             | 2       | 5           | 1             | 16       | (*)     | 6             | 1                | 2         | 5     |
| Middle Atlantic .....                    | 131   | 7             | 10      | 18          | 2             | 54       | (*)     | 12            | 3                | 7         | 17    |
| Midwest .....                            | 234   | 15            | 17      | 32          | 4             | 92       | 2       | 27            | 5                | 11        | 30    |
| East North Central .....                 | 168   | 10            | 11      | 24          | 3             | 67       | 1       | 18            | 3                | 8         | 22    |
| West North Central .....                 | 66  | 6             | 6       | 8           | 1             | 24       | (*)     | 9             | 1                | 3         | 8     |
| South .....                              | 452   | 15            | 88      | 52          | 14            | 159      | 4       | 49            | 6                | 17        | 48    |
| South Atlantic .....                     | 254   | 9             | 45      | 29          | 9             | 91       | 2       | 28            | 4                | 11        | 26    |
| East South Central .....                 | 57  | 3             | 8       | 7           | 2             | 21       | (*)     | 7             | 1                | 2         | 7     |
| West South Central .....                 | 141   | 3             | 35      | 16          | 4             | 47       | 1       | 14            | 2                | 4         | 15    |
| West .....                               | 185   | 9             | 24      | 21          | 4             | 72       | 1       | 17            | 6                | 9         | 23    |
| Mountain .....                           | 68  | 4             | 9       | 8           | 1             | 28       | Q       | 6             | Q                | 3         | 8     |
| Pacific .....                            | 117   | 5             | 15      | 13          | 3             | 44       | 1       | 11            | 4                | 6         | 15    |

**Table E5A. Electricity Consumption (kWh) by End Use for All Buildings, 2003**

|  | Total Electricity Consumption (billion kWh) |               |         |             |               |          |         |               |                  |           |       |
|--|---|---------------|---------|-------------|---------------|----------|---------|---------------|------------------|-----------|-------|
|  | Total                                       | Space Heating | Cooling | Ventilation | Water Heating | Lighting | Cooking | Refrigeration | Office Equipment | Computers | Other |
| <b>All Buildings</b> .....                       | 1,043                                       | 49            | 141     | 128         | 26            | 393      | 7       | 112           | 20               | 46        | 122   |
| <b>Climate Zone: 30-Year Average</b>             |   |               |         |             |               |          |         |               |                  |           |       |
| Under 2,000 CDD and --                           |   |               |         |             |               |          |         |               |                  |           |       |
| More than 7,000 HDD .....                        | 137   | 10            | 8       | 19          | 3             | 53       | 1       | 18            | 3                | 5         | 17    |
| 5,500-7,000 HDD .....                            | 254   | 17            | 19      | 32          | 5             | 103      | 2       | 28            | 5                | 12        | 32    |
| 4,000-5,499 HDD .....                            | 189   | 10            | 19      | 22          | 4             | 76       | 1       | 19            | 6                | 9         | 22    |
| Fewer than 4,000 HDD .....                       | 261   | 8             | 40      | 32          | 8             | 97       | 2       | 30            | 4                | 10        | 31    |
| 2,000 CDD or More and --                         |   |               |         |             |               |          |         |               |                  |           |       |
| Fewer than 4,000 HDD .....                       | 202   | 4             | 56      | 22          | 6             | 64       | 1       | 17            | 2                | 9         | 20    |
| <b>Number of Establishments</b>                  |   |               |         |             |               |          |         |               |                  |           |       |
| One .....  | 627   | 24            | 80      | 80          | 13            | 231      | 6       | 85            | 12               | 25        | 71    |
| 2 to 5 .....                                     | 180   | 8             | 24      | 22          | 4             | 72       | 1       | 16            | 4                | 8         | 23    |
| 6 to 10 .....                                    | 67  | 5             | 9       | 7           | 3             | 26       | (*)     | 3             | 1                | Q         | 8     |
| 11 to 20 .....                                   | 64  | 5             | 10      | 7           | 3             | 24       | (*)     | 3             | 1                | 2         | 8     |
| More than 20 .....                               | 103   | 7             | 18      | 12          | 4             | 38       | (*)     | 4             | 2                | 5         | 12    |
| Currently Unoccupied .....                       | 3   | Q             | Q       | (*)         | Q             | 1        | Q       | Q             | Q                | Q         | 1     |
| <b>Energy Sources (more than one may apply)</b>  |   |               |         |             |               |          |         |               |                  |           |       |
| Electricity .....                                | 1,043                                       | 49            | 141     | 128         | 26            | 393      | 7       | 112           | 20               | 46        | 122   |
| Natural Gas .....                                | 743   | 30            | 95      | 98          | 15            | 289      | 5       | 76            | 14               | 33        | 88    |
| Fuel Oil .....                                   | 275   | 12            | 36      | 38          | 5             | 114      | 1       | 14            | 7                | 15        | 33    |
| District Heat .....                              | 101   | 2             | 7       | 21          | 1             | 44       | (*)     | 4             | 1                | 9         | 13    |
| <b>Energy End Uses (more than one may apply)</b> |   |               |         |             |               |          |         |               |                  |           |       |
| Buildings with Space Heating ....                | 1,006                                       | 49            | 133     | 125         | 25            | 380      | 7       | 106           | 20               | 45        | 118   |
| Buildings with Cooling .....                     | 1,010                                       | 48            | 141     | 123         | 26            | 377      | 7       | 108           | 20               | 45        | 116   |
| Buildings with Water Heating .....               | 990   | 47            | 134     | 122         | 26            | 370      | 7       | 106           | 20               | 45        | 114   |
| <b>Annual Consumption (kilowatthours)</b>        |   |               |         |             |               |          |         |               |                  |           |       |
| 10,000 or Less .....                             | 4   | (*)           | (*)     | (*)         | (*)           | 1        | (*)     | 1             | (*)              | (*)       | 1     |
| 10,001 to 50,000 .....                           | 45  | 2             | 6       | 3           | 1             | 16       | (*)     | 7             | 1                | 1         | 8     |
| 50,001 to 100,000 .....                          | 55  | 3             | 7       | 4           | 1             | 18       | (*)     | 11            | 1                | 2         | 8     |
| 100,001 to 500,000 .....                         | 238   | 13            | 28      | 23          | 7             | 79       | 3       | 44            | 4                | 8         | 27    |
| 500,001 to 1,000,000 .....                       | 110   | 5             | 17      | 14          | 4             | 39       | 1       | 13            | 2                | 4         | 11    |
| 1,000,001 to 5,000,000 .....                     | 333   | 16            | 47      | 49          | 8             | 125      | 1       | 26            | 5                | 17        | 37    |
| Over 5,000,000 .....                             | 258   | 10            | 36      | 33          | 5             | 114      | 1       | 10            | 7                | 13        | 29    |

See "Guide to the Tables" or "Glossary" for further explanations of the terms used in this table. Both can be accessed from the CBECS web site - <http://www.eia.doe.gov/emeu/cbecs>.

(\*)=Value rounds to zero in the units displayed.

Q=Data withheld because fewer than 20 buildings were sampled for any cell, or because the Relative Standard Error (RSE) was greater than 50 percent for a cell in the "Total" column.

Note: Due to rounding, data may not sum to totals.

Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-871A, C, and E of the 2003 Commercial Buildings Energy Consumption Survey.