

**Table B8. Year Constructed, Number of Buildings for Non-Mall Buildings, 2003**

|                                          | Number of Buildings (thousand) |                  |              |              |              |              |              |              |              |
|------------------------------------------|--------------------------------|------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
|                                          | All Buildings*                 | Year Constructed |              |              |              |              |              |              |              |
|                                          |                                | 1919 or Before   | 1920 to 1945 | 1946 to 1959 | 1960 to 1969 | 1970 to 1979 | 1980 to 1989 | 1990 to 1999 | 2000 to 2003 |
| <b>All Buildings*</b> .....              | 4,645                          | 330              | 527          | 562          | 579          | 731          | 707          | 876          | 334          |
| <b>Building Floorspace (Square Feet)</b> |                                |                  |              |              |              |              |              |              |              |
| 1,001 to 5,000 .....                     | 2,552                          | 174              | 315          | 331          | 298          | 350          | 438          | 481          | 165          |
| 5,001 to 10,000 .....                    | 889                            | 71               | 107          | 90           | 120          | 180          | 98           | 158          | 66           |
| 10,001 to 25,000 .....                   | 738                            | 55               | 64           | 90           | 95           | 122          | 103          | 151          | 58           |
| 25,001 to 50,000 .....                   | 241                            | 19               | 23           | 26           | 33           | 48           | 32           | 39           | 21           |
| 50,001 to 100,000 .....                  | 129                            | 7                | 9            | 14           | 22           | 16           | 20           | 28           | 13           |
| 100,001 to 200,000 .....                 | 65                             | Q                | 5            | 8            | 8            | 10           | 10           | 15           | 8            |
| 200,001 to 500,000 .....                 | 25                             | Q                | 4            | 2            | 3            | 4            | 4            | 4            | 2            |
| Over 500,000 .....                       | 7                              | Q                | 1            | 1            | 0            | 1            | 2            | 1            | Q            |
| <b>Principal Building Activity</b>       |                                |                  |              |              |              |              |              |              |              |
| Education .....                          | 386                            | 12               | 26           | 78           | 60           | 58           | 44           | 75           | 32           |
| Food Sales .....                         | 226                            | Q                | Q            | Q            | Q            | Q            | 33           | 56           | Q            |
| Food Service .....                       | 297                            | 32               | 34           | 30           | Q            | 46           | 46           | 66           | Q            |
| Health Care .....                        | 129                            | Q                | 10           | 25           | 10           | 16           | 19           | 36           | 10           |
| Inpatient .....                          | 8                              | Q                | Q            | Q            | 1            | 2            | 2            | 0            | Q            |
| Outpatient .....                         | 121                            | Q                | Q            | Q            | Q            | 14           | 18           | 36           | Q            |
| Lodging .....                            | 142                            | Q                | 11           | 17           | 25           | 25           | 21           | 30           | 6            |
| Retail (Other Than Mall).....            | 443                            | 37               | 66           | 62           | 59           | 90           | 44           | 68           | 17           |
| Office .....                             | 824                            | 70               | 85           | 75           | 116          | 145          | 153          | 142          | 39           |
| Public Assembly .....                    | 277                            | 31               | 36           | 45           | 30           | 44           | 31           | 42           | 18           |
| Public Order and Safety .....            | 71                             | Q                | Q            | Q            | Q            | Q            | Q            | 21           | Q            |
| Religious Worship .....                  | 370                            | 65               | 52           | 58           | 54           | 41           | 43           | 35           | 23           |
| Service .....                            | 622                            | Q                | 90           | 59           | 75           | 117          | 108          | 110          | 42           |
| Warehouse and Storage .....              | 597                            | 20               | 39           | 44           | 47           | 78           | 108          | 164          | 98           |
| Other .....                              | 79                             | Q                | Q            | Q            | Q            | Q            | Q            | 17           | Q            |
| Vacant .....                             | 182                            | Q                | 35           | Q            | Q            | Q            | Q            | Q            | Q            |
| <b>Census Region</b>                     |                                |                  |              |              |              |              |              |              |              |
| Northeast .....                          | 726                            | 122              | 121          | 105          | 108          | 71           | 97           | 69           | 31           |
| Midwest .....                            | 1,266                          | 139              | 163          | 157          | 131          | 196          | 163          | 228          | 90           |
| South .....                              | 1,775                          | 47               | 152          | 161          | 192          | 297          | 351          | 411          | 163          |
| West .....                               | 878                            | 21               | 91           | 138          | 148          | 167          | 95           | 168          | 51           |
| <b>Climate Zone: 30-Year Average</b>     |                                |                  |              |              |              |              |              |              |              |
| Under 2,000 CDD and --                   |                                |                  |              |              |              |              |              |              |              |
| More than 7,000 HDD .....                | 855                            | 113              | 80           | 103          | 114          | 131          | 104          | 148          | 63           |
| 5,500-7,000 HDD .....                    | 1,173                          | 130              | 155          | 167          | 146          | 185          | 162          | 170          | 57           |
| 4,000-5,499 HDD .....                    | 673                            | 49               | 103          | 84           | 85           | 95           | 94           | 115          | 46           |
| Fewer than 4,000 HDD .....               | 1,276                          | 31               | 126          | 167          | 152          | 232          | 192          | 280          | 95           |
| 2,000 CDD or More and --                 |                                |                  |              |              |              |              |              |              |              |
| Fewer than 4,000 HDD .....               | 669                            | Q                | 64           | 40           | 81           | 88           | 153          | 163          | 73           |
| <b>Number of Floors</b>                  |                                |                  |              |              |              |              |              |              |              |
| One .....                                | 3,136                          | 80               | 236          | 374          | 402          | 536          | 536          | 699          | 272          |
| Two .....                                | 1,031                          | 116              | 187          | 135          | 122          | 148          | 130          | 141          | 51           |
| Three .....                              | 339                            | 92               | 78           | 46           | 42           | 32           | 21           | 23           | 5            |
| Four to Nine .....                       | 128                            | 41               | 25           | 6            | 10           | 13           | 16           | 11           | 6            |
| Ten or More .....                        | 12                             | Q                | 2            | 1            | 2            | 1            | 3            | Q            | Q            |

CONTINUED

**Table B8. Year Constructed, Number of Buildings for Non-Mall Buildings, 2003**

|                                                           | Number of Buildings (thousand) |                  |              |              |              |              |              |              |              |
|-----------------------------------------------------------|--------------------------------|------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
|                                                           | All Buildings*                 | Year Constructed |              |              |              |              |              |              |              |
|                                                           |                                | 1919 or Before   | 1920 to 1945 | 1946 to 1959 | 1960 to 1969 | 1970 to 1979 | 1980 to 1989 | 1990 to 1999 | 2000 to 2003 |
| <b>All Buildings*</b> .....                               | 4,645                          | 330              | 527          | 562          | 579          | 731          | 707          | 876          | 334          |
| <b>Elevators and Escalators (more than one may apply)</b> |                                |                  |              |              |              |              |              |              |              |
| Any Elevators .....                                       | 309                            | 36               | 42           | 25           | 37           | 49           | 42           | 46           | 32           |
| Number of Elevators                                       |                                |                  |              |              |              |              |              |              |              |
| One .....                                                 | 208                            | 26               | 33           | 18           | 25           | 31           | 20           | 30           | 24           |
| Two to Five .....                                         | 88                             | 8                | 7            | 5            | 10           | 16           | 19           | 14           | 8            |
| Six or More .....                                         | 13                             | Q                | 1            | 1            | 1            | 2            | 3            | 2            | Q            |
| Any Escalators .....                                      | 6                              | Q                | Q            | Q            | Q            | Q            | Q            | Q            | Q            |
| <b>Number of Workers (main shift)</b>                     |                                |                  |              |              |              |              |              |              |              |
| Fewer than 5 .....                                        | 2,653                          | 203              | 325          | 344          | 331          | 394          | 383          | 481          | 192          |
| 5 to 9 .....                                              | 778                            | 62               | 97           | 90           | 87           | 118          | 148          | 128          | 49           |
| 10 to 19 .....                                            | 563                            | 30               | 51           | 61           | 74           | 91           | 69           | 135          | 49           |
| 20 to 49 .....                                            | 398                            | 21               | 37           | 46           | 48           | 85           | 54           | 83           | 25           |
| 50 to 99 .....                                            | 147                            | 11               | 10           | 14           | 21           | 23           | 30           | 26           | 13           |
| 100 to 249 .....                                          | 77                             | Q                | 5            | 5            | 14           | 15           | 14           | 18           | 4            |
| 250 or More .....                                         | 30                             | Q                | 2            | 2            | 3            | 5            | 9            | 6            | 2            |
| <b>Weekly Operating Hours</b>                             |                                |                  |              |              |              |              |              |              |              |
| Fewer than 40 .....                                       | 1,002                          | 115              | 127          | 156          | 130          | 100          | 150          | 150          | 73           |
| 40 to 48 .....                                            | 1,117                          | 72               | 144          | 144          | 122          | 202          | 161          | 212          | 60           |
| 49 to 60 .....                                            | 1,062                          | 62               | 121          | 127          | 139          | 175          | 192          | 181          | 65           |
| 61 to 84 .....                                            | 591                            | 44               | 75           | 65           | 75           | 126          | 66           | 91           | 50           |
| 85 to 167 .....                                           | 400                            | 25               | 36           | 33           | 51           | 52           | 60           | 106          | 37           |
| Open Continuously .....                                   | 475                            | 12               | 24           | 37           | 63           | 76           | 77           | 136          | 49           |
| <b>Ownership and Occupancy</b>                            |                                |                  |              |              |              |              |              |              |              |
| Nongovernment Owned .....                                 | 4,011                          | 304              | 461          | 463          | 482          | 638          | 624          | 759          | 280          |
| Owner Occupied .....                                      | 1,841                          | 168              | 222          | 213          | 242          | 286          | 273          | 327          | 110          |
| Nonowner Occupied .....                                   | 2,029                          | 125              | 206          | 227          | 224          | 334          | 326          | 423          | 163          |
| Unoccupied .....                                          | 141                            | Q                | Q            | Q            | Q            | Q            | Q            | Q            | Q            |
| Government Owned .....                                    | 635                            | 25               | 67           | 99           | 97           | 92           | 83           | 117          | 55           |
| Federal .....                                             | 46                             | Q                | 8            | Q            | Q            | Q            | Q            | Q            | Q            |
| State .....                                               | 164                            | Q                | 15           | 22           | 28           | 25           | 24           | 30           | Q            |
| Local .....                                               | 425                            | 19               | 44           | 74           | 56           | 60           | 55           | 84           | 33           |
| <b>Vacancy Status</b>                                     |                                |                  |              |              |              |              |              |              |              |
| Completely Vacant .....                                   | 157                            | Q                | 35           | Q            | Q            | Q            | Q            | Q            | Q            |
| Mostly Vacant .....                                       | 25                             | Q                | Q            | Q            | Q            | Q            | Q            | Q            | Q            |
| Partially Vacant .....                                    | 548                            | 57               | 72           | 57           | 52           | 58           | 85           | 113          | 54           |
| Not At All Vacant .....                                   | 3,915                          | 255              | 420          | 475          | 499          | 654          | 591          | 749          | 271          |
| <b>Number of Establishments</b>                           |                                |                  |              |              |              |              |              |              |              |
| One .....                                                 | 3,754                          | 248              | 402          | 449          | 479          | 599          | 545          | 746          | 286          |
| 2 to 5 .....                                              | 643                            | 61               | 84           | 78           | 74           | 92           | 111          | 106          | 37           |
| 6 to 10 .....                                             | 55                             | Q                | Q            | Q            | 7            | 12           | 12           | Q            | Q            |
| 11 to 20 .....                                            | 23                             | Q                | Q            | Q            | Q            | 7            | 4            | Q            | Q            |
| More than 20 .....                                        | 14                             | Q                | Q            | Q            | Q            | 3            | 4            | Q            | Q            |
| Currently Unoccupied .....                                | 157                            | Q                | 35           | Q            | Q            | Q            | Q            | Q            | Q            |

CONTINUED

**Table B8. Year Constructed, Number of Buildings for Non-Mall Buildings, 2003**

|                                                                                   | Number of Buildings (thousand) |                  |              |              |              |              |              |              |              |
|-----------------------------------------------------------------------------------|--------------------------------|------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
|                                                                                   | All Buildings*                 | Year Constructed |              |              |              |              |              |              |              |
|                                                                                   |                                | 1919 or Before   | 1920 to 1945 | 1946 to 1959 | 1960 to 1969 | 1970 to 1979 | 1980 to 1989 | 1990 to 1999 | 2000 to 2003 |
| <b>All Buildings*</b> .....                                                       | 4,645                          | 330              | 527          | 562          | 579          | 731          | 707          | 876          | 334          |
| <b>Predominant Exterior Wall Material</b>                                         |                                |                  |              |              |              |              |              |              |              |
| Brick, Stone or Stucco .....                                                      | 2,044                          | 195              | 348          | 273          | 265          | 296          | 257          | 303          | 107          |
| Concrete (Block or Poured) .....                                                  | 786                            | 23               | 65           | 170          | 136          | 126          | 99           | 111          | 58           |
| Concrete Panels .....                                                             | 131                            | Q                | Q            | Q            | 9            | 30           | 33           | 21           | 19           |
| Siding or Shingles .....                                                          | 779                            | 100              | 83           | 71           | 92           | 96           | 109          | 188          | 40           |
| Metal Panels .....                                                                | 825                            | Q                | Q            | 32           | 66           | 172          | 196          | 236          | 104          |
| Window Glass .....                                                                | 17                             | N                | Q            | Q            | Q            | Q            | 2            | Q            | Q            |
| Other .....                                                                       | 47                             | Q                | Q            | Q            | Q            | Q            | Q            | Q            | Q            |
| No One Major Type .....                                                           | 18                             | Q                | Q            | Q            | Q            | Q            | Q            | Q            | Q            |
| <b>Predominant Roof Material</b>                                                  |                                |                  |              |              |              |              |              |              |              |
| Built-Up .....                                                                    | 1,036                          | 64               | 178          | 156          | 157          | 178          | 127          | 141          | 35           |
| Shingles (Not Wood) .....                                                         | 1,325                          | 132              | 134          | 178          | 186          | 190          | 200          | 225          | 80           |
| Metal Surfacing .....                                                             | 1,288                          | 39               | 65           | 76           | 110          | 224          | 250          | 349          | 174          |
| Synthetic or Rubber .....                                                         | 511                            | 61               | 79           | 69           | 72           | 72           | 72           | 59           | 27           |
| Slate or Tile .....                                                               | 263                            | 21               | 47           | 36           | Q            | 31           | 25           | 75           | Q            |
| Wooden Materials .....                                                            | 122                            | Q                | Q            | Q            | Q            | Q            | Q            | Q            | Q            |
| Concrete .....                                                                    | 61                             | N                | Q            | Q            | Q            | Q            | 9            | Q            | Q            |
| Other .....                                                                       | 16                             | N                | N            | Q            | Q            | Q            | Q            | Q            | Q            |
| No One Major Type .....                                                           | 25                             | Q                | Q            | Q            | Q            | Q            | Q            | Q            | Q            |
| <b>Renovations in Buildings Constructed Before 1980 (more than one may apply)</b> |                                |                  |              |              |              |              |              |              |              |
| Any Type of Renovation                                                            |                                |                  |              |              |              |              |              |              |              |
| Since 1980 .....                                                                  | 1,018                          | 156              | 201          | 225          | 199          | 237          | N            | N            | N            |
| Addition or Annex .....                                                           | 256                            | 21               | 37           | 48           | 65           | 85           | N            | N            | N            |
| Reduction In Floorspace .....                                                     | 22                             | Q                | Q            | Q            | Q            | Q            | N            | N            | N            |
| Cosmetic Improvements .....                                                       | 741                            | 127              | 156          | 174          | 138          | 146          | N            | N            | N            |
| Wall or Roof Replacement .....                                                    | 370                            | 53               | 81           | 84           | 74           | 78           | N            | N            | N            |
| Interior Wall                                                                     |                                |                  |              |              |              |              |              |              |              |
| Re-Configuration .....                                                            | 411                            | 73               | 79           | 85           | 74           | 99           | N            | N            | N            |
| HVAC Equipment Upgrade .....                                                      | 442                            | 70               | 89           | 107          | 75           | 100          | N            | N            | N            |
| Lighting Upgrade .....                                                            | 455                            | 80               | 100          | 109          | 82           | 84           | N            | N            | N            |
| Window Replacement .....                                                          | 310                            | 63               | 70           | 74           | 50           | 53           | N            | N            | N            |
| Plumbing System Upgrade .....                                                     | 315                            | 52               | 78           | 84           | 48           | 53           | N            | N            | N            |
| Insulation Upgrade .....                                                          | 227                            | 46               | 46           | 60           | 29           | 47           | N            | N            | N            |
| Other Renovation .....                                                            | 19                             | Q                | Q            | Q            | Q            | Q            | N            | N            | N            |
| No Renovations Since 1980 .....                                                   | 1,710                          | 173              | 326          | 337          | 380          | 494          | N            | N            | N            |
| Building Newer than 1980 .....                                                    | 1,917                          | N                | N            | N            | N            | N            | 707          | 876          | 334          |
| <b>Energy Sources (more than one may apply)</b>                                   |                                |                  |              |              |              |              |              |              |              |
| Electricity .....                                                                 | 4,404                          | 318              | 499          | 541          | 571          | 700          | 668          | 809          | 298          |
| Natural Gas .....                                                                 | 2,391                          | 200              | 338          | 313          | 309          | 391          | 303          | 419          | 118          |
| Fuel Oil .....                                                                    | 451                            | 75               | 52           | 75           | 61           | 59           | 63           | 49           | 17           |
| District Heat .....                                                               | 67                             | 6                | 12           | 15           | 13           | 6            | 5            | 8            | Q            |
| District Chilled Water .....                                                      | 33                             | Q                | Q            | 4            | 4            | 5            | 5            | 8            | Q            |
| Propane .....                                                                     | 502                            | 43               | 37           | 52           | 63           | 68           | 90           | 95           | 54           |
| Other .....                                                                       | 132                            | Q                | Q            | Q            | 21           | 49           | Q            | Q            | Q            |

CONTINUED

**Table B8. Year Constructed, Number of Buildings for Non-Mall Buildings, 2003**

|                                                      | Number of Buildings (thousand) |                  |              |              |              |              |              |              |              |
|------------------------------------------------------|--------------------------------|------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
|                                                      | All Buildings*                 | Year Constructed |              |              |              |              |              |              |              |
|                                                      |                                | 1919 or Before   | 1920 to 1945 | 1946 to 1959 | 1960 to 1969 | 1970 to 1979 | 1980 to 1989 | 1990 to 1999 | 2000 to 2003 |
| <b>All Buildings*</b> .....                          | 4,645                          | 330              | 527          | 562          | 579          | 731          | 707          | 876          | 334          |
| <b>Energy End Uses (more than one may apply)</b>     |                                |                  |              |              |              |              |              |              |              |
| Buildings with Space Heating .....                   | 3,982                          | 302              | 442          | 493          | 524          | 648          | 618          | 719          | 236          |
| Buildings with Cooling .....                         | 3,625                          | 232              | 382          | 430          | 467          | 609          | 577          | 695          | 234          |
| Buildings with Water Heating .....                   | 3,472                          | 266              | 367          | 416          | 444          | 582          | 531          | 642          | 224          |
| Buildings with Cooking .....                         | 801                            | 71               | 87           | 119          | 92           | 112          | 112          | 144          | 65           |
| Buildings with Manufacturing .....                   | 119                            | Q                | Q            | Q            | 17           | 28           | 14           | 19           | Q            |
| Buildings with Electricity Generation .....          | 149                            | 8                | 8            | 13           | 16           | 28           | 38           | 26           | 12           |
| <b>Percent of Floorspace Heated</b>                  |                                |                  |              |              |              |              |              |              |              |
| Not Heated .....                                     | 663                            | 27               | 85           | 69           | 55           | 83           | 88           | 157          | 98           |
| 1 to 50 .....                                        | 523                            | 48               | 60           | 55           | 65           | 68           | 84           | 93           | 50           |
| 51 to 99 .....                                       | 498                            | 55               | 70           | 70           | 52           | 82           | 73           | 78           | 18           |
| 100 .....                                            | 2,962                          | 200              | 312          | 368          | 407          | 497          | 460          | 549          | 168          |
| <b>Percent of Floorspace Cooled</b>                  |                                |                  |              |              |              |              |              |              |              |
| Not Cooled .....                                     | 1,020                          | 98               | 146          | 132          | 112          | 121          | 129          | 181          | 100          |
| 1 to 50 .....                                        | 985                            | 95               | 107          | 125          | 131          | 146          | 151          | 165          | 65           |
| 51 to 99 .....                                       | 629                            | 50               | 79           | 81           | 64           | 133          | 90           | 97           | 35           |
| 100 .....                                            | 2,011                          | 87               | 196          | 224          | 272          | 331          | 335          | 433          | 133          |
| <b>Percent Lit When Open</b>                         |                                |                  |              |              |              |              |              |              |              |
| Zero .....                                           | 47                             | Q                | Q            | Q            | Q            | Q            | Q            | Q            | Q            |
| 1 to 50 .....                                        | 929                            | 117              | 113          | 125          | 131          | 106          | 131          | 159          | 47           |
| 51 to 99 .....                                       | 1,108                          | 81               | 124          | 134          | 133          | 199          | 167          | 192          | 77           |
| 100 .....                                            | 2,176                          | 102              | 233          | 253          | 279          | 380          | 348          | 429          | 153          |
| Building Never Open/<br>Electricity Not Used .....   | 386                            | 27               | 54           | 48           | Q            | 42           | 56           | 84           | 40           |
| <b>Percent Lit When Closed</b>                       |                                |                  |              |              |              |              |              |              |              |
| Zero .....                                           | 1,964                          | 171              | 213          | 225          | 255          | 330          | 282          | 334          | 153          |
| 1 to 50 .....                                        | 1,882                          | 125              | 243          | 266          | 240          | 283          | 285          | 347          | 91           |
| 51 to 100 .....                                      | 136                            | Q                | Q            | Q            | 18           | 17           | 26           | 19           | Q            |
| Building Never Closed/<br>Electricity Not Used ..... | 664                            | 24               | 52           | 58           | 66           | 101          | 114          | 176          | 73           |
| <b>Heating Equipment (more than one may apply)</b>   |                                |                  |              |              |              |              |              |              |              |
| Heat Pumps .....                                     | 476                            | Q                | 31           | 44           | 50           | 82           | 102          | 120          | 39           |
| Packaged Heat Pumps .....                            | 278                            | Q                | Q            | 25           | 30           | 60           | 63           | 59           | 25           |
| Split-System Heat Pumps .....                        | 166                            | Q                | Q            | Q            | 14           | 24           | 33           | 55           | Q            |
| Individual Room Heat Pumps .....                     | 58                             | Q                | Q            | 9            | Q            | 6            | 10           | 11           | 6            |
| Furnaces .....                                       | 1,864                          | 151              | 235          | 259          | 242          | 330          | 252          | 299          | 96           |
| Individual Space Heaters .....                       | 819                            | 65               | 72           | 120          | 114          | 130          | 119          | 152          | 47           |
| District Heat .....                                  | 65                             | Q                | 12           | 13           | 13           | 6            | 4            | 8            | Q            |
| Boilers .....                                        | 579                            | 105              | 103          | 98           | 82           | 65           | 43           | 56           | 27           |
| Packaged Heating Units .....                         | 953                            | 25               | 63           | 79           | 106          | 176          | 209          | 226          | 70           |
| Other .....                                          | 205                            | Q                | Q            | Q            | 24           | 40           | 40           | 35           | 15           |

CONTINUED

**Table B8. Year Constructed, Number of Buildings for Non-Mall Buildings, 2003**

|                                                                     | Number of Buildings (thousand) |                  |              |              |              |              |              |              |              |
|---------------------------------------------------------------------|--------------------------------|------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
|                                                                     | All Buildings*                 | Year Constructed |              |              |              |              |              |              |              |
|                                                                     |                                | 1919 or Before   | 1920 to 1945 | 1946 to 1959 | 1960 to 1969 | 1970 to 1979 | 1980 to 1989 | 1990 to 1999 | 2000 to 2003 |
| <b>All Buildings*</b> .....                                         | 4,645                          | 330              | 527          | 562          | 579          | 731          | 707          | 876          | 334          |
| <b>Cooling Equipment (more than one may apply)</b>                  |                                |                  |              |              |              |              |              |              |              |
| Residential-Type Central                                            |                                |                  |              |              |              |              |              |              |              |
| Air Conditioners .....                                              | 1,006                          | 83               | 135          | 115          | 112          | 157          | 165          | 184          | 55           |
| Heat Pumps .....                                                    | 492                            | Q                | 36           | 48           | 50           | 77           | 105          | 122          | 46           |
| Packaged Heat Pumps .....                                           | 288                            | Q                | Q            | 27           | 30           | 55           | 66           | 63           | 26           |
| Split-System Heat Pumps .....                                       | 174                            | Q                | Q            | Q            | 14           | 24           | 33           | 53           | Q            |
| Individual Room Heat Pumps .....                                    | 58                             | Q                | Q            | 9            | Q            | 6            | 10           | 11           | 7            |
| Individual Air Conditioners .....                                   | 742                            | 82               | 109          | 124          | 130          | 121          | 90           | 72           | 14           |
| District Chilled Water .....                                        | 33                             | Q                | Q            | 4            | 4            | 5            | 5            | 8            | Q            |
| Central Chillers .....                                              | 111                            | 4                | 8            | 11           | 22           | 24           | 19           | 16           | 8            |
| Packaged Air Conditioning                                           |                                |                  |              |              |              |              |              |              |              |
| Units .....                                                         | 1,613                          | 81               | 147          | 180          | 201          | 294          | 251          | 334          | 125          |
| Swamp Coolers .....                                                 | 122                            | Q                | Q            | Q            | Q            | 35           | 18           | 19           | Q            |
| Other .....                                                         | 40                             | Q                | Q            | Q            | Q            | Q            | Q            | Q            | Q            |
| <b>Main Equipment Replaced Since 1990 (more than one may apply)</b> |                                |                  |              |              |              |              |              |              |              |
| Heating .....                                                       | 1,197                          | 117              | 177          | 189          | 211          | 290          | 212          | N            | N            |
| Cooling .....                                                       | 1,356                          | 133              | 198          | 230          | 250          | 319          | 227          | N            | N            |
| <b>Lighting Equipment Types (more than one may apply)</b>           |                                |                  |              |              |              |              |              |              |              |
| Incandescent .....                                                  | 2,184                          | 229              | 276          | 294          | 295          | 362          | 294          | 327          | 109          |
| Standard Fluorescent .....                                          | 3,943                          | 272              | 447          | 491          | 517          | 651          | 598          | 726          | 242          |
| Compact Fluorescent .....                                           | 941                            | 75               | 113          | 110          | 111          | 151          | 136          | 177          | 69           |
| High Intensity Discharge .....                                      | 455                            | 17               | 34           | 55           | 45           | 81           | 65           | 116          | 42           |
| Halogen .....                                                       | 565                            | 55               | 48           | 62           | 51           | 83           | 76           | 128          | 63           |
| Other .....                                                         | 8                              | Q                | N            | Q            | Q            | Q            | Q            | Q            | Q            |
| <b>Refrigeration Equipment (more than one may apply)</b>            |                                |                  |              |              |              |              |              |              |              |
| Any Refrigeration.....                                              | 3,176                          | 243              | 342          | 401          | 396          | 511          | 487          | 598          | 199          |
| Commercial Refrigeration .....                                      | 1,007                          | 77               | 111          | 140          | 112          | 155          | 145          | 189          | 78           |
| Walk-In Units .....                                                 | 666                            | 52               | 61           | 71           | 78           | 109          | 109          | 129          | 58           |
| Cases or Cabinets .....                                             | 825                            | 69               | 92           | 115          | 94           | 121          | 118          | 156          | 59           |
| Residential-Type Units .....                                        | 2,370                          | 201              | 256          | 308          | 300          | 379          | 365          | 428          | 134          |
| Vending Machines .....                                              | 996                            | 40               | 93           | 114          | 156          | 175          | 148          | 205          | 65           |
| No Refrigeration .....                                              | 1,469                          | 87               | 186          | 161          | 183          | 220          | 220          | 278          | 136          |
| <b>Office Equipment (more than one may apply)</b>                   |                                |                  |              |              |              |              |              |              |              |
| Computers .....                                                     | 3,081                          | 198              | 320          | 343          | 398          | 512          | 491          | 609          | 210          |
| With Flat Screen Monitors .....                                     | 877                            | 41               | 93           | 83           | 117          | 165          | 148          | 169          | 60           |
| Dedicated Servers .....                                             | 1,175                          | 56               | 107          | 101          | 154          | 219          | 212          | 235          | 90           |
| Laser Printers .....                                                | 1,970                          | 132              | 206          | 228          | 272          | 337          | 298          | 368          | 128          |
| Inkjet Printers .....                                               | 1,420                          | 86               | 127          | 145          | 165          | 261          | 239          | 303          | 95           |
| FAX Machines .....                                                  | 2,715                          | 172              | 304          | 293          | 352          | 457          | 431          | 544          | 162          |
| Photocopiers .....                                                  | 1,939                          | 132              | 215          | 226          | 250          | 314          | 296          | 371          | 135          |

CONTINUED

**Table B8. Year Constructed, Number of Buildings for Non-Mall Buildings, 2003**

|                                                                        | Number of Buildings (thousand) |                  |              |              |              |              |              |              |              |
|------------------------------------------------------------------------|--------------------------------|------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
|                                                                        | All Buildings*                 | Year Constructed |              |              |              |              |              |              |              |
|                                                                        |                                | 1919 or Before   | 1920 to 1945 | 1946 to 1959 | 1960 to 1969 | 1970 to 1979 | 1980 to 1989 | 1990 to 1999 | 2000 to 2003 |
| <b>All Buildings* .....</b>                                            | 4,645                          | 330              | 527          | 562          | 579          | 731          | 707          | 876          | 334          |
| <b>Number of Computers</b>                                             |                                |                  |              |              |              |              |              |              |              |
| None .....                                                             | 1,565                          | 132              | 207          | 219          | 181          | 218          | 216          | 267          | 125          |
| 1 to 4 .....                                                           | 1,670                          | 124              | 187          | 204          | 218          | 243          | 263          | 318          | 113          |
| 5 to 9 .....                                                           | 559                            | 34               | 62           | 52           | 69           | 100          | 94           | 113          | 34           |
| 10 to 19 .....                                                         | 370                            | 21               | 24           | 28           | 49           | 69           | 53           | 96           | 30           |
| 20 to 49 .....                                                         | 255                            | 12               | 28           | 31           | 24           | 64           | 35           | 46           | 15           |
| 50 to 99 .....                                                         | 110                            | Q                | 12           | 17           | 18           | 15           | 24           | 14           | 8            |
| 100 to 249 .....                                                       | 79                             | 4                | 5            | 9            | 14           | 13           | 14           | 14           | 6            |
| 250 or More .....                                                      | 38                             | Q                | 3            | 3            | 5            | 8            | 9            | 7            | 3            |
| <b>Number of Dedicated Servers</b>                                     |                                |                  |              |              |              |              |              |              |              |
| None .....                                                             | 3,471                          | 273              | 420          | 460          | 426          | 512          | 495          | 640          | 244          |
| 1 to 4 .....                                                           | 1,060                          | 51               | 100          | 92           | 136          | 202          | 183          | 214          | 83           |
| 5 to 9 .....                                                           | 58                             | Q                | Q            | Q            | 8            | 7            | 12           | 13           | 5            |
| 10 to 19 .....                                                         | 30                             | Q                | Q            | Q            | 4            | Q            | 9            | 6            | Q            |
| 20 to 49 .....                                                         | 17                             | Q                | Q            | Q            | 2            | 5            | 6            | Q            | Q            |
| 50 or More .....                                                       | 10                             | Q                | Q            | Q            | Q            | 1            | 2            | 1            | Q            |
| <b>Number of Photocopiers</b>                                          |                                |                  |              |              |              |              |              |              |              |
| None .....                                                             | 2,706                          | 198              | 312          | 336          | 329          | 417          | 411          | 504          | 200          |
| One .....                                                              | 1,250                          | 92               | 145          | 159          | 163          | 184          | 165          | 258          | 84           |
| 2 to 4 .....                                                           | 549                            | 34               | 59           | 55           | 67           | 103          | 103          | 85           | 43           |
| 5 to 9 .....                                                           | 85                             | Q                | 9            | 4            | 13           | 17           | 15           | 19           | 5            |
| 10 or More .....                                                       | 54                             | Q                | 3            | 7            | 7            | 11           | 13           | 9            | 3            |
| <b>Energy-Related Space Functions (more than one may apply)</b>        |                                |                  |              |              |              |              |              |              |              |
| Commercial Food Preparation .....                                      | 799                            | 71               | 87           | 118          | 90           | 112          | 112          | 144          | 65           |
| Activities with Large Amounts of Hot Water .....                       | 567                            | 33               | 63           | 82           | 69           | 97           | 59           | 117          | 46           |
| Separate Computer Area .....                                           | 553                            | 27               | 48           | 57           | 73           | 88           | 104          | 109          | 47           |
| <b>HVAC Conservation Features (more than one may apply)</b>            |                                |                  |              |              |              |              |              |              |              |
| Variable Air-Volume System .....                                       | 466                            | 16               | 34           | 42           | 38           | 85           | 76           | 126          | 48           |
| Economizer Cycle .....                                                 | 508                            | 18               | 29           | 45           | 53           | 103          | 93           | 105          | 61           |
| HVAC Maintenance .....                                                 | 2,581                          | 170              | 275          | 293          | 327          | 416          | 413          | 511          | 176          |
| Energy Management and Control System (EMCS) .....                      | 252                            | 7                | 20           | 24           | 33           | 29           | 48           | 66           | 26           |
| <b>Window and Interior Lighting Features (more than one may apply)</b> |                                |                  |              |              |              |              |              |              |              |
| Multipaned Windows .....                                               | 2,201                          | 156              | 196          | 232          | 225          | 332          | 373          | 500          | 186          |
| Tinted Window Glass .....                                              | 1,323                          | 67               | 115          | 128          | 144          | 228          | 261          | 276          | 105          |
| Reflective Window Glass .....                                          | 308                            | 13               | 23           | 33           | 26           | 42           | 63           | 74           | 34           |
| External Overhangs or Awnings .....                                    | 1,233                          | 88               | 132          | 138          | 165          | 223          | 190          | 215          | 81           |
| Skylights or Atriums .....                                             | 331                            | 21               | 38           | 30           | 30           | 49           | 60           | 70           | 33           |
| Daylighting Sensors .....                                              | 74                             | Q                | Q            | Q            | Q            | 14           | 13           | 18           | 4            |
| Specular Reflectors .....                                              | 928                            | 55               | 93           | 98           | 112          | 143          | 152          | 186          | 89           |
| Electronic Ballasts .....                                              | 2,577                          | 155              | 274          | 296          | 311          | 439          | 386          | 519          | 196          |
| Energy Management and Control System (EMCS) for Lighting .....         | 60                             | Q                | Q            | Q            | 6            | 7            | 10           | 24           | 6            |

CONTINUED

**Table B8. Year Constructed, Number of Buildings for Non-Mall Buildings, 2003**

|                                                                                                    | Number of Buildings (thousand) |                  |              |              |              |              |              |              |              |
|----------------------------------------------------------------------------------------------------|--------------------------------|------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
|                                                                                                    | All Buildings*                 | Year Constructed |              |              |              |              |              |              |              |
|                                                                                                    |                                | 1919 or Before   | 1920 to 1945 | 1946 to 1959 | 1960 to 1969 | 1970 to 1979 | 1980 to 1989 | 1990 to 1999 | 2000 to 2003 |
| <b>All Buildings*</b> .....                                                                        | 4,645                          | 330              | 527          | 562          | 579          | 731          | 707          | 876          | 334          |
| <b>Equipment Usage Reduced When Building Not In Full Use (more than one may apply)<sup>a</sup></b> |                                |                  |              |              |              |              |              |              |              |
| Heating .....                                                                                      | 2,878                          | 217              | 317          | 386          | 380          | 473          | 427          | 500          | 179          |
| Cooling .....                                                                                      | 2,761                          | 178              | 292          | 360          | 368          | 454          | 418          | 514          | 177          |
| Lighting .....                                                                                     | 3,685                          | 273              | 429          | 463          | 475          | 603          | 542          | 659          | 241          |
| Office Equipment .....                                                                             | 1,504                          | 104              | 172          | 192          | 189          | 239          | 228          | 277          | 104          |

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>.

\* Figures in this table do not include enclosed malls and strip malls. Mall buildings add an estimated 213 thousand buildings comprising 6.9 billion square feet.

<sup>a</sup> The definition for one or more of these row items has changed and may not be directly comparable with past CBECS estimates. See "Guide to the Tables" for discussion of the differences.

Q=Data withheld because the Relative Standard Error (RSE) was greater than 50 percent, or fewer than 20 buildings were sampled.

N=No responding cases in sample.

Notes: • HVAC = Heating, Ventilation, and Air Conditioning. • Due to rounding, data may not sum to totals.

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