Table 3.6. Gross Expenditures Intensities for Sum of Major Fuels by Main Heating Fuel, 1992

| Building<br>Characteristics<br>RSE Column Factor: |                         |                            | В            | uildings with He | s with Heat  |                  |                              |                      |
|---|-------------------------|----------------------------|--------------|------------------|--------------|------------------|------------------------------|----------------------|
|   | All<br>Buildings<br>0.6 |                            |              | Main             | -            |                  |                              |                      |
|   |                         | All<br>Heated<br>Buildings | Electricity  | Natural Gas      | Fuel Oil     | District<br>Heat | Buildings<br>Without<br>Heat | 205                  |
|   |                         |                            |              |                  |              |                  |                              | RSE<br>Row<br>Factor |
| All Buildings                                     | 1.06                    | 1.12                       | 1.16         | 1.06             | 1.01         | 1.76             | 0.42                         | 7.50                 |
| Building Floorenges (aguare foot)                 |                         |                            |              |                  |              |                  |                              |                      |
| Building Floorspace (square feet) 1,001 to 5,000  | 1.44                    | 1.62                       | 2.03         | 1.62             | 1.11         | Q                | 0.46                         | 9.13                 |
| 5,001 to 10,000                                   | 1.11                    | 1.18                       | 1.37         | 1.14             | 1.11         | 1.46             | Q.40                         | 12.74                |
| 10,001 to 25,000                                  | 0.98                    | 1.06                       | 1.02         | 1.08             | 0.88         | 1.59             | 0.18                         | 11.07                |
| 25,001 to 50,000                                  | 0.98                    | 1.06                       | 1.20         | 0.95             | 0.84         | 2.11             | Q                            | 16.68                |
| 50,001 to 100,000                                 | 1.05                    | 1.07                       | 1.10         | 1.07             | 0.73         | 1.52             | Q                            | 13.19                |
| 100,001 to 200,000                                | 0.87                    | 0.92                       | 1.09         | 0.80             | 1.08         | 1.53             | Q                            | 16.35                |
| 200,001 to 500,000<br>Over 500,000                | 1.07<br>1.09            | 1.10<br>1.11               | 0.75<br>Q    | 1.03<br>1.03     | 1.10<br>Q    | 1.67<br>2.14     | Q<br>Q                       | 20.21<br>23.86       |
| Over 500,000                                      | 1.09                    | 1.11                       | Q            | 1.03             | Q            | Z.14             | Q                            | ∠3.00                |
| Principal Building Activity                       |                         |                            |              |                  |              |                  |                              |                      |
| Education   | 0.87                    | 0.88                       | 0.90         | 0.86             | 0.80         | 1.19             | Q                            | 9.37                 |
| Food Sales  | 3.16                    | 3.17                       | 3.21         | 3.11             | Q            | Q<br>Q           | Q                            | 18.34                |
| Food ServiceHealth Care                           | 2.87<br>2.12            | 2.92<br>2.13               | 3.76<br>1.48 | 2.93<br>2.12     | Q<br>Q       | Q<br>2.49        | Q<br>Q                       | 19.06<br>17.05       |
| Lodging   | 1.89                    | 1.85                       | 1.92         | 1.93             | Q            | 1.85             | Q                            | 24.68                |
| Mercantile and Service                            | 1.04                    | 1.05                       | 1.15         | 1.05             | 0.96         | Q                | Q                            | 10.54                |
| Office  | 1.47                    | 1.47                       | 1.40         | 1.38             | 1.24         | 2.09             | Q                            | 11.89                |
| Parking Garage                                    | 0.49                    | Q                          | Q            | Q                | Q            | Q                | 0.29                         | 36.06                |
| Public Assembly                                   | 0.91                    | 0.92                       | Q            | 1.00             | Q            | 1.36             | Q                            | 29.41                |
| Public Order and Safety                           | 1.22                    | 1.22                       | Q            | 0.98             | Q            | Q                | Q                            | 31.33                |
| Religious Worship Warehouse and Storage           | 0.35<br>0.59            | 0.35<br>0.66               | 0.43<br>0.64 | 0.34<br>0.63     | 0.33<br>1.09 | Q<br>Q           | Q<br>0.36                    | 14.94<br>15.72       |
| Other   | 1.73                    | 1.82                       | 0.64<br>Q    | 1.80             | 1.09<br>Q    | 1.95             | 0.36<br>Q                    | 23.79                |
| Vacant  | 0.36                    | 0.50                       | 0.44         | 0.54             | Q            | Q                | Q                            | 30.63                |
| Vana Canadanada I                                 |                         |                            |              |                  |              |                  |                              |                      |
| Year Constructed<br>1899 or Before                | 0.84                    | 0.86                       | Q            | 0.80             | 0.78         | Q                | Q                            | 23.47                |
| 1900 to 1919                                      | 0.70                    | 0.74                       | 1.22         | 0.57             | 1.03         | 1.27             | Q                            | 23.99                |
| 1920 to 1945                                      | 0.86                    | 0.96                       | 0.84         | 0.95             | 0.88         | 1.45             | 0.11                         | 16.43                |
| 1946 to 1959                                      | 0.94                    | 1.00                       | 1.02         | 0.90             | 1.17         | 1.79             | 0.44                         | 15.48                |
| 1960 to 1969                                      | 1.15                    | 1.20                       | 1.11         | 1.15             | 1.03         | 1.89             | 0.63                         | 12.60                |
| 1970 to 1979                                      | 1.17                    | 1.25                       | 1.31         | 1.25             | 0.97         | 1.62             | 0.37                         | 11.42                |
| 1980 to 1989                                      | 1.18                    | 1.22                       | 1.17         | 1.21             | 1.03         | 2.34             | 0.61                         | 17.91                |
| 1990 to 1992                                      | 1.08                    | 1.15                       | 1.06         | 1.19             | Q            | 1.60             | 0.31                         | 17.92                |
| Census Region and Division                        |                         |                            |              |                  |              |                  |                              |                      |
| Northeast   | 1.21                    | 1.25                       | 1.29         | 1.20             | 1.08         | 1.87             | 0.32                         | 12.99                |
| New England                                       | 1.24                    | 1.26                       | 1.30         | 1.65             | 1.01         | 1.34             | Q<br>0.34                    | 13.84                |
| Middle Atlantic Midwest                           | 1.20<br>0.98            | 1.24<br>1.02               | 1.29<br>0.97 | 1.13<br>0.97     | 1.13<br>0.66 | 2.08<br>1.70     | 0.34<br>Q                    | 16.87<br>13.69       |
| East North Central                                | 1.03                    | 1.02                       | 1.05         | 1.01             | 0.46         | 1.89             | 0.19                         | 13.09                |
| West North Central                                | 0.90                    | 0.93                       | 0.84         | 0.88             | Q<br>Q       | 1.44             | Q                            | 19.52                |
| South   | 0.93                    | 1.01                       | 1.05         | 0.98             | 0.90         | 1.63             | 0.32                         | 12.06                |
| South Atlantic                                    | 1.03                    | 1.10                       | 1.09         | 1.15             | 0.96         | 1.90             | 0.43                         | 13.91                |
| East South Central                                | 0.88                    | 0.97                       | 1.16         | 0.88             | Q            | 1.52             | 0.41                         | 11.69                |
| West South Central                                | 0.84                    | 0.93                       | Q<br>1.50    | 0.90             | Q            | 1.33             | 0.12                         | 22.65                |
| West Mountain                                     | 1.25<br>1.20            | 1.32<br>1.26               | 1.50<br>1.37 | 1.23<br>1.04     | Q<br>Q       | 1.82<br>Q        | 0.71<br>Q                    | 16.37<br>27.94       |
| Pacific   | 1.27                    | 1.35                       | 1.57         | 1.31             | Q            | 1.49             | 0.78                         | 14.36                |
|   |                         |                            |              |                  |              |                  |                              |                      |
| Climate Zone: 45-Year Average                     |                         |                            |              |                  |              |                  |                              |                      |
| Fewer than 2,000 CDD and<br>More than 7,000 HDD   | 0.85                    | 0.88                       | 1.17         | 0.82             | 0.84         | 1.05             | Q                            | 13.88                |
| 5,500-7,000 HDD                                   | 1.08                    | 1.13                       | 1.13         | 1.05             | 1.05         | 1.73             | 0.20                         | 11.90                |
| 4,000-5,499 HDD                                   | 1.05                    | 1.10                       | 1.16         | 1.01             | 1.05         | 2.03             | 0.41                         | 11.89                |
| Fewer than 4,000 HDD                              | 1.14                    | 1.23                       | 1.35         | 1.19             | Q            | 1.67             | 0.45                         | 12.85                |
| More than 2,000 CDD and                           |                         |                            |              |                  |              |                  |                              |                      |
| Fewer than 4,000 HDD                              | 1.02                    | 1.11                       | 1.04         | 1.11             | Q            | 1.96             | 0.45                         | 21.59                |

Table 3.6. Gross Expenditures Intensities for Sum of Major Fuels by Main Heating Fuel, 1992 (Continued)

|   |                         |                            | В            | uildings with He | eat          |                  |                              |                      |
|---|-------------------------|----------------------------|--------------|------------------|--------------|------------------|------------------------------|----------------------|
|   | All<br>Buildings<br>0.6 |                            |              | Main             |              |                  |                              |                      |
| Building<br>Characteristics<br>RSE Column Factor: |                         | All<br>Heated<br>Buildings | Electricity  | Natural Gas      | Fuel Oil     | District<br>Heat | Buildings<br>Without<br>Heat |                      |
|   |                         |                            |              |                  |              |                  |                              | RSE<br>Row<br>Factor |
| Energy Sources (more than one                     |                         |                            |              |                  |              |                  |                              |                      |
| may apply)  |                         |                            |              |                  |              |                  |                              |                      |
| Electricity                                       | 1.08                    | 1.12                       | 1.16         | 1.06             | 1.01         | 1.76             | 0.54                         | 6.17                 |
| Natural GasFuel Oil                               | 1.15<br>1.34            | 1.15<br>1.35               | 1.42<br>1.41 | 1.06<br>1.54     | 1.22<br>1.01 | 1.94<br>1.98     | Q<br>Q                       | 8.76<br>9.87         |
| District Heat                                     | 1.74                    | 1.74                       | Q<br>Q       | Q 1.54           | 1.01<br>Q    | 1.76             | Q                            | 12.09                |
| District Chilled Water                            | 1.65                    | 1.64                       | 1.58         | Q                | ã            | 1.74             | Q                            | 22.02                |
| Propane   | 1.05                    | 1.05                       | 1.28         | 1.31             | 1.02         | Q                | ã                            | 15.75                |
| Any Other   | 0.64                    | 0.63                       | Q            | 0.95             | Q            | Q                | Q                            | 28.97                |
| Energy End Uses (more than one may apply)         |                         |                            |              |                  |              |                  |                              |                      |
| Heated Buildings                                  | 1.12                    | 1.12                       | 1.16         | 1.06             | 1.01         | 1.76             | Q                            | 7.28                 |
| Buildings with A/C                                | 1.16                    | 1.17                       | 1.20         | 1.10             | 1.07         | 1.83             | 1.02                         | 7.95                 |
| Buildings with Water Heating                      | 1.16                    | 1.16                       | 1.20         | 1.09             | 1.06         | 1.78             | 1.38                         | 8.57                 |
| Buildings with Cooking                            | 1.34                    | 1.34                       | 1.35         | 1.29             | 1.17         | 1.88             | Q                            | 10.80                |
| Buildings with Manufacturing                      | 1.18                    | 1.17                       | 1.32         | 1.11             | 1.70         | 1.14             | Q                            | 24.03                |
| Workers (main shift)                              |                         |                            |              |                  |              |                  |                              |                      |
| Less than 5                                       | 0.64                    | 0.78                       | 0.88         | 0.72             | 0.66         | 2.48             | 0.21                         | 16.37                |
| 5 to 9  | 0.99                    | 1.03<br>1.08               | 1.03<br>1.14 | 1.01<br>1.05     | 1.08         | 1.37<br>1.32     | Q<br>Q                       | 10.84                |
| 10 to 19<br>20 to 49                              | 1.07<br>1.17            | 1.08                       | 1.14         | 1.05             | 1.11<br>1.19 | 1.32             | Q                            | 14.20<br>13.60       |
| 50 to 99  | 1.17                    | 1.08                       | 1.33         | 1.02             | 0.94         | 1.31             | Q                            | 14.49                |
| 100 or More                                       | 1.46                    | 1.46                       | 1.32         | 1.40             | 1.25         | 1.95             | Q                            | 12.15                |
|   |                         |                            |              |                  |              |                  |                              |                      |
| Weekly Operating Hours                            | 0.00                    | 0.50                       | 0.54         | 0.50             | 0.54         |                  | 0.40                         | 40.00                |
| 39 or Fewer40 to 48                               | 0.39<br>0.90            | 0.50<br>0.94               | 0.51<br>0.99 | 0.50<br>0.87     | 0.51<br>0.86 | Q<br>1.69        | 0.12<br>0.48                 | 12.38<br>9.35        |
| 49 to 60  | 0.90                    | 0.94                       | 1.03         | 0.83             | 1.09         | 1.68             | 0.46                         | 9.35                 |
| 61 to 84  | 1.12                    | 1.15                       | 1.04         | 1.15             | 1.22         | 1.83             | 0.55                         | 12.36                |
| 85 to 167   | 1.42                    | 1.42                       | 1.72         | 1.36             | Q            | 1.69             | Q                            | 15.66                |
| Open Continuously                                 | 1.68                    | 1.75                       | Q            | 1.94             | 1.66         | 1.93             | Q                            | 20.68                |
| Ownership and Occupancy                           |                         |                            |              |                  |              |                  |                              |                      |
| Nongovernment Owned                               | 1.07                    | 1.14                       | 1.20         | 1.09             | 1.00         | 1.89             | 0.43                         | 8.97                 |
| Owner Occupied                                    | 1.14                    | 1.19                       | 1.34         | 1.11             | 1.06         | 1.87             | 0.54                         | 8.27                 |
| Single Establishment                              | 1.16                    | 1.22                       | 1.42         | 1.15             | 1.01         | 1.92             | 0.53                         | 9.42                 |
| Multiple Establishment                            | 1.05                    | 1.07                       | 1.11         | 0.96             | 1.29         | 1.71             | Q                            | 13.89                |
| Nonowner Occupied                                 | 0.99                    | 1.03                       | 0.94         | 1.06             | 0.88         | 2.05             | 0.45                         | 18.50                |
| Single Establishment                              | 1.01<br>0.96            | 1.06<br>1.00               | Q<br>0.96    | 1.22<br>0.95     | 0.92<br>Q    | Q<br>2.33        | 0.48<br>0.41                 | 27.17<br>16.12       |
| Vacant  | 0.90                    | 0.43                       | Q.90         | 0.47             | Q            | 2.33<br>Q        | 0.12                         | 42.39                |
| Government Owned                                  | 1.03                    | 1.06                       | 0.90         | 0.99             | 1.03         | 1.60             | 0.34                         | 11.43                |
| Predominant Exterior Wall Material                |                         |                            |              |                  |              |                  |                              |                      |
| Masonry   | 1.06                    | 1.11                       | 1.15         | 1.06             | 1.02         | 1.66             | 0.36                         | 9.61                 |
| Siding or Shingles                                | 1.03                    | 1.12                       | 1.32         | 1.08             | 1.06         | Q                | 0.56                         | 17.02                |
| Metal Panels                                      | 0.79                    | 0.90                       | 0.88         | 0.88             | 0.81         | Q<br>1.74        | 0.43                         | 14.72                |
| Concrete Panels<br>Window Glass                   | 1.18<br>1.65            | 1.24<br>1.73               | 1.18<br>1.50 | 1.14<br>1.59     | Q<br>Q       | 1.74<br>2.51     | 0.25<br>Q                    | 23.08<br>21.34       |
| Other   | 1.32                    | 1.32                       | 1.49         | 1.22             | Q            | Q Q              | Q                            | 36.21                |
| Predominant Roof Material                         |                         | -                          | -            |                  |              |                  |                              |                      |
| Built-Up  | 1.15                    | 1.18                       | 1.18         | 1.13             | 1.09         | 1.84             | 0.60                         | 10.88                |
| Shingles (Not Wood)                               | 0.93                    | 0.98                       | 1.20         | 0.87             | 0.87         | 1.93             | 0.29                         | 13.65                |
| Metal Surfacing                                   | 0.71                    | 0.83                       | 0.88         | 0.82             | 0.77         | 1.48             | 0.26                         | 14.08                |
| Synthetic or Rubber                               | 1.25                    | 1.27                       | 1.35         | 1.23             | 1.23         | 1.58             | Q<br>0.47                    | 12.38                |
| Other   | 0.99                    | 1.09                       | 1.15         | 0.92             | 0.64         | 1.77             | 0.47                         | 21.19                |

Table 3.6. Gross Expenditures Intensities for Sum of Major Fuels by Main Heating Fuel, 1992 (Continued)

| Building<br>Characteristics<br>RSE Column Factor:    |                         |                                   | В            | uildings with He | _        |                  |                              |                      |
|--|-------------------------|-----------------------------------|--------------|------------------|----------|------------------|------------------------------|----------------------|
|  | All<br>Buildings<br>0.6 | All<br>Heated<br>Buildings<br>0.6 |              | Main             |          |                  |                              |                      |
|  |                         |                                   | Electricity  | Natural Gas      | Fuel Oil | District<br>Heat | Buildings<br>Without<br>Heat | 205                  |
|  |                         |                                   | 1.1          | 0.7              |          | 1.4              | 2.3                          | RSE<br>Row<br>Factor |
| 71   |                         |                                   |              |                  |          |                  |                              |                      |
| Floors One   | 0.95                    | 1.04                              | 1.07         | 1.03             | 1.07     | 1.59             | 0.33                         | 13.21                |
| Two  | 1.00                    | 1.03                              | 1.22         | 1.00             | 0.83     | 1.36             | 0.45                         | 11.49                |
| Three  | 1.08                    | 1.11                              | 1.57         | 0.99             | 1.00     | 1.61             | Q                            | 12.05                |
| Four to Nine   | 1.22                    | 1.28                              | 1.04         | 1.30             | 0.95     | 1.60             | 0.57                         | 14.95                |
| Ten or More  | 1.53                    | 1.58                              | 1.13         | 1.46             | Q        | 2.35             | Q                            | 13.09                |
| Percent Window Glass                                 |                         |                                   |              |                  |          |                  |                              |                      |
| 25 or Less   | 0.97                    | 1.04                              | 1.06         | 1.00             | 1.02     | 1.63             | 0.39                         | 9.27                 |
| 26 to 50   | 1.25                    | 1.26                              | 1.38         | 1.21             | 0.91     | 1.77             | Q                            | 12.47                |
| 51 to 75   | 1.43                    | 1.43                              | 1.69         | 1.21             | 1.16     | 1.88             | Q                            | 14.42                |
| 76 to 100  | 1.74                    | 1.75                              | 1.32         | 1.77             | Q        | 2.66             | Q                            | 20.07                |
| Outliding Chang                                      |                         |                                   |              |                  |          |                  |                              |                      |
| Building Shape<br>Square                             | 1.05                    | 1.20                              | 1.76         | 1.02             | Q        | 1.69             | 0.30                         | 18.26                |
| Rectangle  | 1.05                    | 1.14                              | 1.18         | 1.07             | 1.09     | 1.76             | 0.36                         | 8.32                 |
| Right Angle  | 0.90                    | 0.93                              | 1.04         | 0.83             | 1.18     | 1.53             | Q                            | 16.52                |
| Other  | 1.13                    | 1.13                              | 1.05         | 1.13             | 0.83     | 1.82             | Q                            | 13.05                |
|  |                         |                                   |              |                  |          |                  |                              |                      |
| Energy-Related Space Functions                       |                         |                                   |              |                  |          |                  |                              |                      |
| more than one may apply) Commercial Food Preparation | 1.36                    | 1.37                              | 1.48         | 1.29             | 1.17     | 1.88             | Q                            | 7.96                 |
| Computer Room  | 1.44                    | 1.44                              | 1.45         | 1.41             | 1.17     | 1.93             | Q                            | 10.98                |
| Rooms with Special Ventilation                       | 1.45                    | 1.45                              | 1.63         | 1.31             | 1.03     | 1.95             | Q                            | 10.82                |
| Activities with Large                                | 1.10                    | 1.10                              | 1.00         | 1.01             | 1.00     | 1.00             | · ·                          | 10.02                |
| Amounts of Hot Water                                 | 1.47                    | 1.47                              | 1.49         | 1.41             | 1.31     | 1.83             | Q                            | 13.40                |
|  |                         |                                   |              |                  |          |                  |                              |                      |
| Space-Heating Energy Sources                         |                         |                                   |              |                  |          |                  |                              |                      |
| more than one may apply) Electricity                 | 1.15                    | 1.15                              | 1.16         | 1.12             | 0.99     | 2.13             | Q                            | 11.63                |
| Natural Gas  | 1.07                    | 1.07                              | 1.12         | 1.06             | 1.05     | 1.98             | Q                            | 8.55                 |
| Fuel Oil   | 1.18                    | 1.18                              | Q            | 1.54             | 1.01     | Q                | Q                            | 10.85                |
| District Heat  | 1.72                    | 1.72                              | Q            | Q                | Q        | 1.76             | Q                            | 14.11                |
| Propane  | 0.83                    | 0.83                              | Q            | Q                | Q        | Q                | Q                            | 21.43                |
| Wood   | 0.52                    | 0.52                              | Q            | Q                | Q        | Q                | Q                            | 21.65                |
| Any Other  | 0.35                    | 0.35                              | Q            | Q                | Q        | Q                | Q                            | 44.18                |
| Sacling Energy Sources (more than                    |                         |                                   |              |                  |          |                  |                              |                      |
| Cooling Energy Sources (more than one may apply)     |                         |                                   |              |                  |          |                  |                              |                      |
| Electricity  | 1.15                    | 1.16                              | 1.19         | 1.11             | 1.08     | 1.79             | 1.00                         | 8.11                 |
| Natural Gas  | 1.57                    | 1.57                              | Q            | 1.51             | Q        | Q                | Q                            | 35.56                |
| District Chilled Water                               | 1.65                    | 1.64                              | 1.58         | Q                | Q        | 1.74             | Q                            | 22.02                |
|  |                         |                                   |              |                  |          |                  |                              |                      |
| Vater-Heating Energy Sources                         |                         |                                   |              |                  |          |                  |                              |                      |
| more than one may apply) Electricity                 | 1.04                    | 1.04                              | 1.09         | 0.99             | 1.00     | 1.20             | Q                            | 10.29                |
| Natural Gas  | 1.20                    | 1.19                              | 1.61         | 1.13             | 1.03     | 2.05             | Q                            | 10.29                |
| Fuel Oil   | 1.18                    | 1.18                              | Q            | Q Q              | 1.07     | Q.03             | Q                            | 19.67                |
| District Heat  | 1.82                    | 1.82                              | Q            | Q                | Q        | 1.83             | Q                            | 16.29                |
| Propane  | 1.09                    | 1.10                              | ã            | ã                | ã        | Q                | ã                            | 32.95                |
|  |                         |                                   |              |                  |          |                  |                              |                      |
| Cooking Energy Sources (more                         |                         |                                   |              |                  |          |                  |                              |                      |
| han one may apply)                                   | 1 25                    | 1 24                              | 4 20         | 4 22             | 1 10     | 1 05             | _                            | 47.07                |
| Electricity Natural Gas                              | 1.35                    | 1.34                              | 1.30         | 1.33<br>1.30     | 1.19     | 1.85             | Q                            | 17.87                |
|  | 1.36<br>1.28            | 1.37<br>1.29                      | 1.45<br>1.45 |                  | 1.18     | 2.03<br>Q        | Q<br>Q                       | 10.33<br>22.85       |
| Propane  | 1.20                    | 1.29                              | 1.40         | Q                | 1.18     | Q                | Q                            | 22.05                |

Table 3.6. Gross Expenditures Intensities for Sum of Major Fuels by Main Heating Fuel, 1992 (Continued)

| Building<br>Characteristics<br>RSE Column Factor:        |                         |                                   | В            |              |              |                  |                              |                      |
|--|-------------------------|-----------------------------------|--------------|--------------|--------------|------------------|------------------------------|----------------------|
|  | All<br>Buildings<br>0.6 | All<br>Heated<br>Buildings<br>0.6 |              | Main         | _            |                  |                              |                      |
|  |                         |                                   | Electricity  | Natural Gas  | Fuel Oil     | District<br>Heat | Buildings<br>Without<br>Heat | RSE<br>Row<br>Factor |
|  |                         |                                   | 1.1          | 0.7          |              |                  |                              |                      |
| Manufacturing Energy Sources                             |                         |                                   |              |              |              |                  |                              |                      |
| (more than one may apply)                                |                         |                                   | 4.0=         |              |              |                  |                              | 00.44                |
| Electricity Natural Gas                                  | 1.19<br>1.20            | 1.19<br>1.19                      | 1.37<br>Q    | 1.13<br>1.21 | Q<br>Q       | Q<br>Q           | Q<br>Q                       | 26.44<br>36.57       |
| Other  | 1.39                    | 1.19                              | Q            | Q Q          | Q            | Q                | Q                            | 49.28                |
| Percent of Floorspace Heated                             |                         |                                   |              |              |              |                  |                              |                      |
| Not Heated   | 0.42                    | Q                                 | Q            | Q            | Q            | Q                | 0.42                         | 18.38                |
| 1 to 50  | 0.62                    | 0.62                              | 0.62         | 0.62         | 0.68         | Q                | Q                            | 14.43                |
| 51 to 99   | 1.19                    | 1.19                              | 1.39         | 1.08         | 1.07         | 1.73             | Q<br>Q                       | 14.95                |
| 100  | 1.24                    | 1.24                              | 1.34         | 1.17         | 1.05         | 1.84             | Q                            | 7.80                 |
| Percent of Floorspace Cooled                             | 2.50                    |                                   | 0.50         |              | 0.75         |                  | 0.00                         | 4400                 |
| Not Cooled<br>1 to 50                                    | 0.50<br>0.72            | 0.66<br>0.72                      | 0.56<br>0.61 | 0.63<br>0.69 | 0.75<br>0.90 | 1.19<br>1.40     | 0.30<br>0.64                 | 14.32<br>10.51       |
| 51 to 99   | 1.40                    | 1.40                              | 1.44         | 1.31         | 1.36         | 1.40             | Q 0.64                       | 13.98                |
| 100  | 1.46                    | 1.46                              | 1.42         | 1.41         | 1.21         | 2.11             | Q                            | 11.05                |
| Heating Equipment (more than one                         |                         |                                   |              |              |              |                  |                              |                      |
| may apply)   |                         |                                   |              |              |              |                  |                              |                      |
| Heat Pumps   | 1.25                    | 1.25                              | 1.27         | 1.22         | 1.11         | 2.29             | Q                            | 13.34                |
| Furnaces   | 0.94                    | 0.94                              | 1.13         | 0.91         | 0.95<br>0.99 | Q<br>1 82        | Q<br>Q                       | 8.55                 |
| Individual Space Heaters<br>District Heat                | 1.00<br>1.72            | 1.00<br>1.72                      | 1.08<br>Q    | 0.95<br>Q    | 0.99<br>Q    | 1.82<br>1.76     | Q                            | 9.52<br>13.53        |
| Boilers  | 1.10                    | 1.10                              | Q            | 1.15         | 1.08         | Q                | Q                            | 9.90                 |
| Packaged Heating Units                                   | 1.25                    | 1.25                              | 1.32         | 1.21         | Q            | 2.10             | Q                            | 12.63                |
| Other  | 2.27                    | 2.27                              | 1.81         | 2.63         | Q            | Q                | Q                            | 35.23                |
| Heating Distribution Equipment                           |                         |                                   |              |              |              |                  |                              |                      |
| (more than one may apply)                                | 4.40                    | 4.40                              | 4.00         | 4.00         | 4.00         | 4 74             |                              | 44.00                |
| Radiators or Baseboards  Ducts for Heating               | 1.12<br>1.18            | 1.12<br>1.18                      | 1.20<br>1.18 | 1.00<br>1.12 | 1.03<br>1.03 | 1.71<br>1.93     | Q<br>Q                       | 11.32<br>8.24        |
| VAV System Used  | 1.42                    | 1.42                              | 1.19         | 1.38         | 1.28         | 2.03             | Q                            | 18.99                |
| Individual Space Heaters                                 | 1.00                    | 1.00                              | 1.08         | 0.95         | 0.99         | 1.82             | Q                            | 9.52                 |
| Fan Coil Units or Other                                  | 1.32                    | 1.32                              | 1.44         | 1.18         | 1.32         | 1.78             | Q                            | 13.77                |
| Cooling Equipment (more than one                         |                         |                                   |              |              |              |                  |                              |                      |
| may apply)   | 4.00                    | 4.00                              |              | 4.00         |              | 4.00             |                              | 10.10                |
| Residential-Type Central A/C                             | 1.09<br>1.28            | 1.08<br>1.28                      | 1.15<br>1.30 | 1.02<br>1.24 | 1.09<br>1.04 | 1.66<br>2.41     | Q<br>Q                       | 13.18<br>13.28       |
| Heat PumpsIndividual A/C                                 | 0.98                    | 0.99                              | 1.03         | 0.89         | 1.04         | 1.65             | 0.76                         | 13.20                |
| District Chilled Water                                   | 1.56                    | 1.55                              | 1.58         | Q            | Q            | 1.74             | Q                            | 23.18                |
| Central Chillers   | 1.43                    | 1.45                              | 1.06         | 1.48         | 1.59         | 2.00             | Q                            | 15.57                |
| Packaged A/C Units                                       | 1.26                    | 1.25                              | 1.36         | 1.20         | 1.16         | 1.80             | 1.28                         | 9.27                 |
| Swamp Coolers Other                                      | 1.36<br>0.93            | 1.38<br>0.93                      | 1.20<br>Q    | 1.46<br>Q    | Q<br>Q       | Q<br>Q           | Q<br>Q                       | 20.63<br>79.61       |
|  |                         |                                   |              |              |              |                  |                              |                      |
| Cooling Distribution Equipment (more than one may apply) |                         |                                   |              |              |              |                  |                              |                      |
| Ducts for Cooling  | 1.21                    | 1.21                              | 1.24         | 1.14         | 1.13         | 1.89             | 1.20                         | 8.82                 |
| VAV System Used  | 1.48                    | 1.48                              | 1.35         | 1.43         | 1.27         | 1.95             | Q                            | 15.13                |
| Individual A/CFan Coil Units or Other                    | 0.98                    | 0.99                              | 1.03         | 0.89         | 1.04         | 1.65             | 0.76                         | 13.80                |
|  | 1.34                    | 1.36                              | 1.01         | 1.38         | 1.38         | 1.78             | Q                            | 15.60                |
| Water-Heating Equipment (more than one may apply)        |                         |                                   |              |              |              |                  |                              |                      |
| Centralized System                                       | 1.24                    | 1.24                              | 1.25         | 1.16         | 1.11         | 1.87             | Q                            | 10.38                |
| Distributed System                                       | 1.08                    | 1.07                              | 1.12         | 1.02         | 0.99         | 1.58             | 1.99                         | 11.90                |

Table 3.6. Gross Expenditures Intensities for Sum of Major Fuels by Main Heating Fuel, 1992 (Continued)

| , ,  | <u> </u>         | ,<br>I                     |             |             |          |                  | 1                            | I                    |
|--|------------------|----------------------------|-------------|-------------|----------|------------------|------------------------------|----------------------|
| Building<br>Characteristics  |                  |                            |             |             |          |                  |                              |                      |
|  | All<br>Buildings | All<br>Heated<br>Buildings |             | Main        |          |                  |                              |                      |
|  |                  |                            | Electricity | Natural Gas | Fuel Oil | District<br>Heat | Buildings<br>Without<br>Heat | 505                  |
| RSE Column Factor:   | 0.6              | 0.6                        | 1.1         | 0.7         | 1.2      | 1.4              | 2.3                          | RSE<br>Row<br>Factor |
| inergy Conservation Features<br>more than one may apply)                       |                  |                            |             |             |          |                  |                              |                      |
| Any Conservation Features  | 1.10             | 1.13                       | 1.18        | 1.07        | 1.01     | 1.77             | 0.61                         | 7.38                 |
| Building Shell   | 1.11             | 1.13                       | 1.19        | 1.07        | 1.01     | 1.79             | 0.63                         | 7.61                 |
| HVAC   | 1.21             | 1.21                       | 1.25        | 1.15        | 1.05     | 1.78             | 1.13                         | 8.23                 |
| Lighting   | 1.28             | 1.29                       | 1.27        | 1.21        | 1.10     | 2.00             | 0.89                         | 12.13                |
| Other  | 1.16             | 1.19                       | 1.24        | 1.12        | 1.21     | 1.55             | Q                            | 12.87                |
| Energy Management Practices more than one may apply)                           |                  |                            |             |             |          |                  |                              |                      |
| Energy Management and Control<br>System<br>Demand-Side Management <sup>1</sup> | 1.38             | 1.38                       | 1.19        | 1.36        | 1.44     | 1.77             | Q                            | 14.89                |
| Participation  | 1.37             | 1.37                       | 1.41        | 1.30        | 1.19     | 1.75             | Q                            | 10.02                |
| Energy Audit   | 1.31             | 1.33                       | 1.35        | 1.25        | 1.15     | 1.89             | Q                            | 11.57                |
| Building Energy Manager  | 1.37             | 1.37                       | 1.46        | 1.50        | Q        | 1.37             | Q                            | 22.80                |

These Demand-Side Management (DSM) data, which include utility-sponsored programs, in-house programs, and third-party sponsored programs, were reported by the building respondent on the Building Questionnaire (Form EIA-871A). The electric utility-sponsored DSM data reported by the electricity suppliers (Form EIA-871E-1b) are presented in the "At a Glance" section and Table 3.49 of this section. See Appendix B, "Nonsampling and Sampling Errors," for a discussion of the differences between the energy supplier-reported data and building respondent-reported data.

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding RSE column and RSE row factors. • See Glossary for explanation of abbreviations and definitions of terms used in this report. • Statistics for the "energy end uses" represent consumption in buildings that have end use, not consumption for a particular fuel for a particular end use. • A/C = Air Conditioning. • HVAC = Heating, Ventilation, and Air Conditioning. • VAV = Variable Air Volume. • Because of rounding, data may not sum to totals.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-871A through F of the 1992 Commercial Buildings Energy Consumption Survey.

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