

RSEs for Table C1. Total Energy Consumption by Major Fuel for Non-Mall Buildings, 2003

| | RSEs for All Buildings* | | RSEs for Total Energy Consumption | | | | | |
|--|-------------------------|------------|-----------------------------------|-------------|------|-------------|----------|---------------|
| | Number of Buildings | Floorspace | Sum of Major Fuels | Electricity | | Natural Gas | Fuel Oil | District Heat |
| | | | | Primary | Site | | | |
| All Buildings* | 3.9 | 3.1 | 4.2 | 4.3 | 4.3 | 5.7 | 17.0 | 19.2 |
| Building Floorspace (Square Feet) | | | | | | | | |
| 1,001 to 5,000 | 5.7 | 5.6 | 6.3 | 6.4 | 6.4 | 9.0 | 32.7 | X |
| 5,001 to 10,000 | 5.8 | 5.6 | 8.7 | 9.1 | 9.1 | 12.7 | 41.3 | 65.3 |
| 10,001 to 25,000 | 5.0 | 5.0 | 8.7 | 9.3 | 9.3 | 9.9 | 29.1 | 61.2 |
| 25,001 to 50,000 | 5.6 | 5.8 | 9.2 | 8.8 | 8.8 | 12.4 | 17.0 | 42.9 |
| 50,001 to 100,000 | 6.3 | 6.3 | 9.2 | 8.9 | 8.9 | 10.1 | 18.7 | 50.4 |
| 100,001 to 200,000 | 10.7 | 10.8 | 11.6 | 12.1 | 12.1 | 16.9 | 24.6 | 34.3 |
| 200,001 to 500,000 | 10.0 | 10.4 | 10.6 | 9.9 | 9.9 | 12.8 | 29.7 | 27.2 |
| Over 500,000 | 13.2 | 13.1 | 20.5 | 18.0 | 18.0 | 20.3 | 43.7 | 32.9 |
| Principal Building Activity | | | | | | | | |
| Education | 7.1 | 6.0 | 7.5 | 8.6 | 8.6 | 10.4 | 24.2 | 42.6 |
| Food Sales | 9.3 | 9.4 | 15.8 | 15.7 | 15.7 | 20.8 | 57.5 | 0.0 |
| Food Service | 7.4 | 9.0 | 15.5 | 15.8 | 15.8 | 12.2 | 67.8 | 73.4 |
| Health Care | 10.0 | 6.9 | 12.2 | 7.4 | 7.4 | 13.7 | 23.3 | 43.1 |
| Inpatient | 21.2 | 11.6 | 14.3 | 9.1 | 9.1 | 15.2 | 24.0 | 44.3 |
| Outpatient | 11.0 | 9.7 | 17.7 | 13.1 | 13.1 | 23.8 | 58.4 | 76.1 |
| Lodging | 11.5 | 9.2 | 16.9 | 14.3 | 14.3 | 15.1 | 37.5 | 38.3 |
| Retail (Other Than Mall)..... | 7.5 | 8.0 | 13.8 | 13.2 | 13.2 | 17.1 | 55.1 | X |
| Office | 5.5 | 6.5 | 7.7 | 7.7 | 7.7 | 12.9 | 37.7 | 30.1 |
| Public Assembly | 8.4 | 10.9 | 14.1 | 16.3 | 16.3 | 15.9 | 30.6 | 48.3 |
| Public Order and Safety | 18.3 | 18.8 | 19.1 | 21.1 | 21.1 | 21.4 | 40.1 | 100.6 |
| Religious Worship | 8.7 | 7.9 | 10.4 | 10.0 | 10.0 | 11.3 | 41.2 | X |
| Service | 8.6 | 9.7 | 17.5 | 21.4 | 21.4 | 17.5 | 63.0 | 94.0 |
| Warehouse and Storage | 8.5 | 10.5 | 16.3 | 18.3 | 18.3 | 20.4 | 48.3 | 78.3 |
| Other | 15.1 | 21.7 | 26.6 | 25.1 | 25.1 | 31.2 | 64.7 | 59.1 |
| Vacant | 10.5 | 16.1 | 27.8 | 27.2 | 27.2 | 25.6 | 72.7 | 100.1 |
| Year Constructed | | | | | | | | |
| Before 1920 | 9.7 | 12.3 | 13.6 | 21.0 | 21.0 | 14.8 | 31.0 | 48.7 |
| 1920 to 1945 | 7.6 | 11.3 | 12.2 | 21.2 | 21.2 | 15.3 | 32.7 | 38.9 |
| 1946 to 1959 | 8.0 | 7.8 | 11.0 | 11.3 | 11.3 | 14.6 | 35.1 | 44.7 |
| 1960 to 1969 | 7.1 | 6.8 | 9.3 | 8.9 | 8.9 | 9.0 | 52.9 | 38.1 |
| 1970 to 1979 | 7.1 | 7.0 | 9.3 | 9.5 | 9.5 | 9.8 | 26.4 | 34.1 |
| 1980 to 1989 | 6.0 | 6.4 | 11.5 | 8.6 | 8.6 | 14.3 | 26.6 | 51.0 |
| 1990 to 1999 | 7.5 | 6.6 | 9.3 | 9.3 | 9.3 | 10.6 | 37.9 | 38.4 |
| 2000 to 2003 | 10.1 | 8.4 | 13.2 | 12.3 | 12.3 | 17.6 | 54.2 | 31.3 |
| Census Region and Division | | | | | | | | |
| Northeast | 10.0 | 9.6 | 9.6 | 9.8 | 9.8 | 10.0 | 21.1 | 45.1 |
| New England | 23.1 | 23.9 | 26.4 | 26.4 | 26.4 | 29.5 | 27.5 | 46.7 |
| Middle Atlantic | 11.1 | 10.5 | 10.0 | 10.5 | 10.5 | 10.7 | 34.1 | 53.9 |
| Midwest | 9.2 | 7.1 | 5.7 | 10.6 | 10.6 | 6.9 | 47.0 | 34.9 |
| East North Central | 12.0 | 9.9 | 6.9 | 15.0 | 15.0 | 5.1 | 67.0 | 38.0 |
| West North Central | 16.6 | 10.2 | 10.5 | 10.7 | 10.7 | 22.1 | 54.8 | 86.9 |
| South | 7.7 | 4.6 | 7.2 | 6.0 | 6.0 | 12.5 | 40.4 | 33.2 |
| South Atlantic | 11.9 | 5.0 | 8.9 | 7.7 | 7.7 | 24.7 | 43.5 | 42.2 |
| East South Central | 24.4 | 11.1 | 19.2 | 11.4 | 11.4 | 16.5 | 20.8 | 68.9 |
| West South Central | 11.9 | 11.2 | 13.6 | 12.9 | 12.9 | 14.9 | 38.2 | 76.1 |
| West | 8.1 | 4.8 | 10.4 | 9.0 | 9.0 | 14.5 | 44.5 | 46.6 |
| Mountain | 15.3 | 8.5 | 17.0 | 17.7 | 17.7 | 22.1 | 69.8 | 77.7 |
| Pacific | 9.6 | 5.3 | 12.0 | 8.7 | 8.7 | 16.2 | 47.8 | 53.3 |

RSEs for Table C1. Total Energy Consumption by Major Fuel for Non-Mall Buildings, 2003

| | RSEs for All Buildings* | | RSEs for Total Energy Consumption | | | | | |
|---|-------------------------|------------|-----------------------------------|-------------|------|-------------|----------|---------------|
| | Number of Buildings | Floorspace | Sum of Major Fuels | Electricity | | Natural Gas | Fuel Oil | District Heat |
| | | | | Primary | Site | | | |
| All Buildings* | 3.9 | 3.1 | 4.2 | 4.3 | 4.3 | 5.7 | 17.0 | 19.2 |
| Climate Zone: 30-Year Average | | | | | | | | |
| Under 2,000 CDD and -- | | | | | | | | |
| More than 7,000 HDD | 10.1 | 10.9 | 10.4 | 12.2 | 12.2 | 13.3 | 34.6 | 23.2 |
| 5,500-7,000 HDD | 12.2 | 9.1 | 9.6 | 13.4 | 13.4 | 6.8 | 22.3 | 35.6 |
| 4,000-5,499 HDD | 23.6 | 15.3 | 19.9 | 20.4 | 20.4 | 21.5 | 40.4 | 37.5 |
| Fewer than 4,000 HDD | 14.4 | 11.1 | 11.9 | 12.1 | 12.1 | 19.1 | 34.8 | 41.8 |
| 2,000 CDD or More and -- | | | | | | | | |
| Fewer than 4,000 HDD | 9.5 | 10.1 | 12.5 | 10.6 | 10.6 | 23.3 | 28.1 | 80.3 |
| Number of Floors | | | | | | | | |
| One | 5.1 | 5.2 | 4.4 | 6.4 | 6.4 | 8.3 | 31.4 | 70.9 |
| Two | 4.6 | 5.1 | 8.0 | 9.3 | 9.3 | 7.4 | 26.9 | 47.4 |
| Three | 7.2 | 7.1 | 8.6 | 9.9 | 9.9 | 13.1 | 19.7 | 47.6 |
| Four to Nine | 11.1 | 9.7 | 11.8 | 12.5 | 12.5 | 10.5 | 27.2 | 25.3 |
| Ten or More | 13.8 | 15.0 | 19.7 | 15.0 | 15.0 | 23.2 | 41.0 | 29.8 |
| Elevators and Escalators (more than one may apply) | | | | | | | | |
| Any Elevators | 4.9 | 5.3 | 7.5 | 7.4 | 7.4 | 8.2 | 18.0 | 19.8 |
| Number of Elevators | | | | | | | | |
| One | 6.8 | 6.2 | 8.7 | 9.3 | 9.3 | 10.0 | 21.9 | 44.5 |
| Two to Five | 7.6 | 7.9 | 9.2 | 9.3 | 9.3 | 12.8 | 27.5 | 26.4 |
| Six or More | 13.1 | 13.5 | 17.0 | 15.1 | 15.1 | 17.0 | 25.8 | 30.4 |
| Any Escalators | 19.1 | 18.1 | 33.2 | 26.8 | 26.8 | 44.4 | 54.9 | 39.0 |
| Number of Workers (main shift) | | | | | | | | |
| Fewer than 5 | 5.9 | 6.7 | 5.6 | 13.5 | 13.5 | 9.1 | 29.0 | 63.8 |
| 5 to 9 | 6.0 | 5.9 | 8.4 | 8.1 | 8.1 | 11.5 | 37.4 | 102.2 |
| 10 to 19 | 5.4 | 7.1 | 7.6 | 7.9 | 7.9 | 9.4 | 30.3 | 48.1 |
| 20 to 49 | 6.2 | 7.6 | 10.4 | 9.8 | 9.8 | 10.9 | 22.6 | 41.5 |
| 50 to 99 | 8.0 | 7.7 | 8.4 | 9.0 | 9.0 | 8.8 | 32.0 | 39.1 |
| 100 to 249 | 8.9 | 7.9 | 10.0 | 10.0 | 10.0 | 15.5 | 31.0 | 40.5 |
| 250 or More | 8.6 | 9.5 | 13.1 | 11.2 | 11.2 | 13.8 | 24.3 | 26.1 |
| Weekly Operating Hours | | | | | | | | |
| Fewer than 40 | 8.1 | 8.6 | 9.7 | 11.1 | 11.1 | 15.8 | 27.0 | 100.1 |
| 40 to 48 | 5.6 | 6.0 | 7.6 | 8.8 | 8.8 | 10.2 | 40.0 | 55.5 |
| 49 to 60 | 4.7 | 6.4 | 8.2 | 10.4 | 10.4 | 10.9 | 26.9 | 32.5 |
| 61 to 84 | 5.1 | 5.9 | 6.7 | 7.1 | 7.1 | 8.9 | 29.8 | 35.4 |
| 85 to 167 | 6.9 | 7.6 | 7.3 | 8.5 | 8.5 | 9.4 | 40.8 | 23.4 |
| Open Continuously | 10.8 | 5.3 | 10.2 | 8.1 | 8.1 | 10.2 | 21.3 | 30.7 |
| Ownership and Occupancy | | | | | | | | |
| Nongovernment Owned | 4.2 | 3.4 | 4.7 | 4.5 | 4.5 | 6.5 | 18.4 | 28.7 |
| Owner Occupied | 5.5 | 4.6 | 6.1 | 6.3 | 6.3 | 9.0 | 21.0 | 34.9 |
| Nonowner Occupied | 5.8 | 4.7 | 6.9 | 6.7 | 6.7 | 7.1 | 29.8 | 40.8 |
| Unoccupied | 11.2 | 18.8 | 33.3 | 41.2 | 41.2 | 27.0 | 93.8 | X |
| Government Owned | 7.0 | 5.8 | 7.6 | 8.7 | 8.7 | 7.7 | 21.5 | 24.4 |
| Federal | 31.6 | 29.5 | 30.3 | 34.1 | 34.1 | 24.0 | 58.4 | 51.5 |
| State | 16.3 | 13.5 | 15.4 | 18.2 | 18.2 | 20.6 | 37.4 | 27.5 |
| Local | 7.4 | 6.7 | 8.8 | 9.8 | 9.8 | 9.1 | 20.7 | 88.1 |
| Vacancy Status | | | | | | | | |
| Completely Vacant | 10.6 | 17.8 | 33.7 | 38.1 | 38.1 | 27.3 | 99.0 | 100.1 |
| Mostly Vacant | 32.2 | 32.9 | 43.3 | 37.7 | 37.7 | 53.6 | 100.1 | 0.0 |
| Partially Vacant | 5.9 | 6.4 | 9.5 | 8.3 | 8.3 | 11.1 | 25.5 | 36.6 |
| Not At All Vacant | 4.2 | 3.3 | 4.6 | 4.9 | 4.9 | 6.4 | 17.3 | 21.1 |

RSEs for Table C1. Total Energy Consumption by Major Fuel for Non-Mall Buildings, 2003

| | RSEs for All Buildings* | | RSEs for Total Energy Consumption | | | | | |
|---|-------------------------|------------|-----------------------------------|-------------|------|-------------|----------|---------------|
| | Number of Buildings | Floorspace | Sum of Major Fuels | Electricity | | Natural Gas | Fuel Oil | District Heat |
| | | | | Primary | Site | | | |
| All Buildings* | 3.9 | 3.1 | 4.2 | 4.3 | 4.3 | 5.7 | 17.0 | 19.2 |
| Number of Establishments | | | | | | | | |
| One | 4.4 | 3.7 | 4.3 | 4.7 | 4.7 | 6.4 | 21.0 | 22.9 |
| 2 to 5 | 5.8 | 5.9 | 8.3 | 7.9 | 7.9 | 11.0 | 21.0 | 37.7 |
| 6 to 10 | 14.4 | 13.5 | 16.4 | 21.9 | 21.9 | 17.5 | 52.9 | 71.7 |
| 11 to 20 | 19.0 | 16.7 | 23.8 | 16.8 | 16.8 | 30.0 | 81.8 | 50.9 |
| More than 20 | 24.4 | 14.3 | 24.2 | 17.6 | 17.6 | 37.6 | 61.3 | 53.2 |
| Currently Unoccupied | 10.6 | 17.8 | 33.7 | 38.1 | 38.1 | 27.3 | 99.0 | 100.1 |
| Predominant Exterior Wall Material | | | | | | | | |
| Brick, Stone or Stucco | 4.4 | 4.4 | 4.3 | 5.9 | 5.9 | 6.5 | 15.4 | 23.9 |
| Concrete (Block or Poured) | 7.1 | 6.2 | 9.5 | 8.3 | 8.3 | 14.9 | 27.9 | 41.6 |
| Concrete Panels | 8.3 | 10.6 | 20.2 | 17.1 | 17.1 | 20.8 | 69.7 | 41.4 |
| Siding or Shingles | 9.5 | 9.7 | 11.9 | 15.0 | 15.0 | 11.1 | 42.4 | 100.3 |
| Metal Panels | 9.2 | 8.1 | 15.4 | 13.5 | 13.5 | 18.1 | 28.1 | 66.2 |
| Window Glass | 25.8 | 18.0 | 28.3 | 27.6 | 27.6 | 34.3 | 43.0 | 60.6 |
| Other | 21.1 | 17.8 | 28.8 | 25.9 | 25.9 | 27.6 | 83.7 | 93.6 |
| No One Major Type | 33.5 | 23.1 | 45.6 | 35.9 | 35.9 | 34.4 | 75.9 | X |
| Predominant Roof Material | | | | | | | | |
| Built-Up | 4.9 | 4.5 | 7.6 | 7.0 | 7.0 | 9.1 | 19.9 | 24.2 |
| Shingles (Not Wood) | 5.5 | 4.9 | 8.0 | 8.3 | 8.3 | 11.8 | 26.1 | 68.2 |
| Metal Surfacing | 7.9 | 8.2 | 9.0 | 9.5 | 9.5 | 12.7 | 43.7 | 100.1 |
| Synthetic or Rubber | 5.2 | 5.6 | 7.6 | 7.6 | 7.6 | 7.3 | 19.8 | 34.3 |
| Slate or Tile | 12.1 | 10.8 | 12.4 | 13.7 | 13.7 | 16.0 | 37.6 | 55.4 |
| Wooden Materials | 16.4 | 16.0 | 19.5 | 25.4 | 25.4 | 27.5 | 64.3 | X |
| Concrete | 20.3 | 36.7 | 31.0 | 43.0 | 43.0 | 36.3 | 44.8 | 95.4 |
| Other | 27.2 | 34.0 | 27.0 | 26.6 | 26.6 | 37.9 | 100.7 | 97.9 |
| No One Major Type | 30.2 | 27.7 | 29.4 | 34.1 | 34.1 | 35.5 | 70.2 | 76.7 |
| Renovations in Buildings Constructed Before 1980 (more than one may apply) | | | | | | | | |
| Any Type of Renovation | | | | | | | | |
| Since 1980 | 6.2 | 5.4 | 5.9 | 6.6 | 6.6 | 8.3 | 23.9 | 25.3 |
| Addition or Annex | 9.6 | 8.9 | 10.0 | 9.6 | 9.6 | 13.0 | 60.6 | 43.8 |
| Reduction In Floorspace | 24.1 | 21.9 | 26.7 | 26.6 | 26.6 | 25.3 | 55.0 | 98.6 |
| Cosmetic Improvements | 6.6 | 5.7 | 6.2 | 7.0 | 7.0 | 7.6 | 20.1 | 27.4 |
| Wall or Roof Replacement | 10.9 | 7.2 | 10.0 | 9.2 | 9.2 | 10.0 | 14.7 | 39.4 |
| Interior Wall | | | | | | | | |
| Re-Configuration | 8.5 | 6.4 | 7.6 | 8.2 | 8.2 | 8.5 | 14.0 | 30.2 |
| HVAC Equipment Upgrade | 7.4 | 5.8 | 7.6 | 7.5 | 7.5 | 9.5 | 17.6 | 27.5 |
| Lighting Upgrade | 7.2 | 6.6 | 6.5 | 7.9 | 7.9 | 7.7 | 17.0 | 28.3 |
| Window Replacement | 9.1 | 7.2 | 9.2 | 10.0 | 10.0 | 11.7 | 31.8 | 42.5 |
| Plumbing System Upgrade | 8.3 | 7.9 | 9.8 | 9.4 | 9.4 | 10.1 | 25.5 | 30.3 |
| Insulation Upgrade | 12.3 | 10.1 | 11.5 | 11.7 | 11.7 | 10.7 | 39.2 | 56.9 |
| Other Renovation | 30.6 | 24.1 | 29.9 | 28.6 | 28.6 | 34.7 | 67.2 | 75.5 |
| No Renovations Since 1980 | 4.8 | 6.0 | 8.4 | 10.4 | 10.4 | 9.3 | 19.6 | 32.8 |
| Building Newer than 1980 | 5.8 | 5.1 | 6.7 | 6.1 | 6.1 | 8.5 | 28.8 | 36.9 |

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| | RSEs for All Buildings* | | RSEs for Total Energy Consumption | | | | | |
|---|-------------------------|------------|-----------------------------------|-------------|------|-------------|----------|---------------|
| | Number of Buildings | Floorspace | Sum of Major Fuels | Electricity | | Natural Gas | Fuel Oil | District Heat |
| | | | | Primary | Site | | | |
| All Buildings* | 3.9 | 3.1 | 4.2 | 4.3 | 4.3 | 5.7 | 17.0 | 19.2 |
| Energy Sources (more than one may apply) | | | | | | | | |
| Electricity | 3.9 | 3.7 | 4.2 | 4.3 | 4.3 | 5.6 | 18.9 | 19.6 |
| Natural Gas | 5.3 | 4.7 | 5.3 | 5.9 | 5.9 | 5.7 | 15.1 | 33.0 |
| Fuel Oil | 12.7 | 8.5 | 9.3 | 9.7 | 9.7 | 13.0 | 17.0 | 33.4 |
| District Heat | 12.4 | 13.4 | 18.9 | 16.0 | 16.0 | 31.2 | 44.7 | 19.2 |
| District Chilled Water | 13.0 | 11.5 | 21.5 | 17.5 | 17.5 | 24.4 | 37.4 | 26.4 |
| Propane | 16.3 | 13.3 | 14.4 | 17.1 | 17.1 | 27.6 | 34.6 | 83.2 |
| Other | 13.7 | 13.5 | 25.0 | 26.3 | 26.3 | 24.5 | 53.4 | 66.3 |
| Space-Heating Energy Sources (more than one may apply) | | | | | | | | |
| Electricity | 6.6 | 4.6 | 6.6 | 5.7 | 5.7 | 9.5 | 15.6 | 37.7 |
| Natural Gas | 5.5 | 4.8 | 5.6 | 6.0 | 6.0 | 5.9 | 23.4 | 46.8 |
| Fuel Oil | 12.5 | 17.3 | 12.6 | 11.7 | 11.7 | 18.2 | 17.6 | X |
| District Heat | 12.4 | 13.9 | 18.9 | 16.6 | 16.6 | 30.5 | 40.0 | 19.2 |
| Propane | 19.9 | 15.8 | 21.7 | 21.7 | 21.7 | 70.9 | 34.2 | 100.2 |
| Other | 16.1 | 19.3 | 35.3 | 38.2 | 38.2 | 33.9 | 55.1 | 0.0 |
| Primary Space-Heating Energy Source | | | | | | | | |
| Electricity | 8.1 | 7.4 | 6.7 | 7.1 | 7.1 | 9.8 | 38.9 | 68.3 |
| Natural Gas | 5.7 | 4.9 | 5.8 | 6.2 | 6.2 | 6.1 | 21.6 | 76.9 |
| Fuel Oil | 16.0 | 24.5 | 18.9 | 18.4 | 18.4 | 30.4 | 19.2 | 0.0 |
| District Heat | 12.8 | 14.4 | 19.5 | 17.1 | 17.1 | 33.1 | 38.6 | 19.9 |
| Propane | 22.0 | 18.4 | 30.7 | 30.3 | 30.3 | X | 62.2 | X |
| Other | 20.4 | 21.6 | 38.6 | 37.7 | 37.7 | 61.2 | 45.4 | 0.0 |
| Cooling Energy Sources (more than one may apply) | | | | | | | | |
| Electricity | 3.2 | 3.1 | 4.5 | 4.6 | 4.6 | 5.9 | 22.1 | 26.4 |
| Natural Gas | 26.9 | 19.5 | 25.5 | 30.6 | 30.6 | 26.7 | 56.7 | 100.9 |
| District Chilled Water | 13.0 | 11.5 | 21.5 | 17.5 | 17.5 | 24.4 | 37.4 | 26.4 |
| Water-Heating Energy Sources (more than one may apply) | | | | | | | | |
| Electricity | 5.9 | 4.8 | 5.8 | 6.1 | 6.1 | 9.5 | 23.8 | 32.0 |
| Natural Gas | 5.2 | 5.0 | 6.2 | 6.9 | 6.9 | 6.5 | 25.4 | 65.1 |
| Fuel Oil | 17.9 | 21.0 | 20.5 | 16.5 | 16.5 | 23.9 | 22.1 | X |
| District Heat | 22.6 | 14.2 | 20.4 | 15.5 | 15.5 | 41.0 | 56.0 | 20.7 |
| Propane | 22.3 | 18.5 | 28.0 | 31.4 | 31.4 | 98.7 | 38.5 | X |
| Cooking Energy Sources (more than one may apply) | | | | | | | | |
| Electricity | 7.2 | 6.2 | 10.1 | 8.8 | 8.8 | 8.8 | 26.2 | 35.3 |
| Natural Gas | 6.5 | 7.2 | 8.8 | 8.3 | 8.3 | 8.2 | 30.0 | 35.5 |
| Propane | 19.3 | 15.6 | 22.2 | 24.5 | 24.5 | 49.6 | 30.1 | 100.5 |
| Energy End Uses (more than one may apply) | | | | | | | | |
| Buildings with Space Heating | 3.5 | 3.1 | 4.2 | 4.3 | 4.3 | 5.7 | 17.1 | 19.2 |
| Buildings with Cooling | 3.2 | 3.0 | 4.4 | 4.3 | 4.3 | 6.0 | 21.8 | 19.5 |
| Buildings with Water Heating | 3.2 | 2.9 | 4.2 | 4.3 | 4.3 | 5.8 | 17.2 | 19.9 |
| Buildings with Cooking | 5.7 | 5.9 | 7.5 | 6.9 | 6.9 | 7.7 | 22.0 | 31.5 |
| Buildings with Manufacturing | 12.1 | 14.1 | 20.3 | 19.2 | 19.2 | 23.4 | 44.7 | 69.7 |
| Buildings with Electricity Generation | 7.6 | 6.6 | 9.1 | 7.4 | 7.4 | 10.3 | 18.7 | 28.3 |

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| | RSEs for All Buildings* | | RSEs for Total Energy Consumption | | | | | |
|--|-------------------------|------------|-----------------------------------|-------------|------|-------------|----------|---------------|
| | Number of Buildings | Floorspace | Sum of Major Fuels | Electricity | | Natural Gas | Fuel Oil | District Heat |
| | | | | Primary | Site | | | |
| All Buildings* | 3.9 | 3.1 | 4.2 | 4.3 | 4.3 | 5.7 | 17.0 | 19.2 |
| Percent of Floorspace Heated | | | | | | | | |
| Not Heated | 8.4 | 8.9 | 22.0 | 22.3 | 22.3 | 58.5 | 60.4 | 98.1 |
| 1 to 50 | 8.0 | 10.4 | 15.9 | 15.9 | 15.9 | 18.7 | 38.1 | 100.0 |
| 51 to 99 | 7.0 | 7.2 | 8.8 | 9.5 | 9.5 | 12.5 | 22.3 | 45.4 |
| 100 | 3.8 | 4.1 | 4.8 | 5.2 | 5.2 | 6.1 | 18.8 | 21.4 |
| Percent of Floorspace Cooled | | | | | | | | |
| Not Cooled | 8.6 | 11.2 | 14.8 | 35.0 | 35.0 | 14.5 | 16.5 | 66.1 |
| 1 to 50 | 5.7 | 7.1 | 10.3 | 8.9 | 8.9 | 10.3 | 27.9 | 59.9 |
| 51 to 99 | 6.9 | 5.9 | 7.0 | 6.3 | 6.3 | 10.5 | 29.0 | 25.8 |
| 100 | 3.7 | 4.1 | 6.2 | 6.0 | 6.0 | 7.7 | 32.1 | 29.2 |
| Percent Lit When Open | | | | | | | | |
| Zero | 33.5 | 27.8 | 32.7 | 65.9 | 65.9 | 94.4 | 101.4 | 100.1 |
| 1 to 50 | 6.4 | 7.0 | 8.1 | 7.4 | 7.4 | 10.7 | 23.9 | 65.2 |
| 51 to 99 | 5.1 | 4.1 | 6.0 | 6.3 | 6.3 | 7.8 | 16.5 | 27.8 |
| 100 | 3.8 | 4.1 | 6.1 | 6.1 | 6.1 | 7.8 | 25.3 | 25.9 |
| Building Never Open/ Electricity Not Used | 10.9 | 13.0 | 27.3 | 30.0 | 30.0 | 24.9 | 67.6 | 100.1 |
| Percent Lit When Closed | | | | | | | | |
| Zero | 5.2 | 5.5 | 5.4 | 7.8 | 7.8 | 6.8 | 16.4 | 61.2 |
| 1 to 50 | 3.6 | 3.7 | 5.3 | 5.4 | 5.4 | 7.3 | 28.5 | 23.2 |
| 51 to 100 | 9.6 | 12.4 | 18.8 | 19.6 | 19.6 | 20.5 | 40.2 | 56.9 |
| Building Never Closed/ Electricity Not Used | 8.9 | 5.0 | 10.2 | 8.1 | 8.1 | 10.2 | 21.1 | 30.7 |
| Heating Equipment (more than one may apply) | | | | | | | | |
| Heat Pumps | 13.2 | 7.6 | 14.0 | 11.0 | 11.0 | 19.4 | 40.3 | 75.9 |
| Packaged Heat Pumps | 10.7 | 7.6 | 19.4 | 14.5 | 14.5 | 27.7 | 49.0 | 97.6 |
| Split-System Heat Pumps | 21.5 | 15.9 | 23.7 | 25.2 | 25.2 | 19.2 | 59.3 | 86.2 |
| Individual Room Heat Pumps | 14.9 | 11.8 | 18.3 | 13.5 | 13.5 | 19.8 | 58.0 | 69.1 |
| Furnaces | 5.4 | 5.1 | 5.9 | 6.3 | 6.3 | 9.0 | 32.2 | 46.2 |
| Individual Space Heaters | 9.3 | 5.9 | 9.0 | 8.7 | 8.7 | 9.9 | 24.3 | 38.4 |
| District Heat | 12.5 | 14.0 | 18.9 | 16.6 | 16.6 | 30.7 | 40.0 | 19.2 |
| Boilers | 6.8 | 7.1 | 7.8 | 9.1 | 9.1 | 7.8 | 15.0 | 95.3 |
| Packaged Heating Units | 6.2 | 4.4 | 5.9 | 6.3 | 6.3 | 8.8 | 35.6 | 50.8 |
| Other | 10.3 | 11.5 | 13.5 | 13.5 | 13.5 | 20.1 | 40.9 | 60.1 |
| Cooling Equipment (more than one may apply) | | | | | | | | |
| Residential-Type Central | | | | | | | | |
| Air Conditioners | 5.9 | 6.7 | 10.3 | 12.4 | 12.4 | 9.4 | 36.8 | 81.3 |
| Heat Pumps | 12.2 | 8.1 | 13.7 | 10.9 | 10.9 | 19.1 | 41.4 | 74.0 |
| Packaged Heat Pumps | 9.8 | 8.1 | 19.3 | 14.9 | 14.9 | 27.1 | 52.6 | 97.6 |
| Split-System Heat Pumps | 20.8 | 15.8 | 23.8 | 25.4 | 25.4 | 19.3 | 60.2 | 86.2 |
| Individual Room Heat Pumps | 14.8 | 12.6 | 17.7 | 15.5 | 15.5 | 19.7 | 57.6 | 59.6 |
| Individual Air Conditioners | 6.5 | 6.8 | 7.2 | 9.1 | 9.1 | 10.1 | 27.7 | 34.5 |
| District Chilled Water | 13.0 | 11.5 | 21.5 | 17.5 | 17.5 | 24.4 | 37.4 | 26.4 |
| Central Chillers | 10.0 | 8.4 | 10.4 | 10.5 | 10.5 | 11.0 | 23.3 | 27.0 |
| Packaged Air Conditioning | | | | | | | | |
| Units | 4.5 | 4.5 | 4.5 | 5.1 | 5.1 | 6.4 | 19.7 | 29.1 |
| Swamp Coolers | 19.4 | 15.1 | 16.1 | 12.4 | 12.4 | 18.8 | 84.3 | X |
| Other | 24.6 | 20.1 | 18.1 | 18.5 | 18.5 | 44.4 | 56.8 | 78.8 |

RSEs for Table C1. Total Energy Consumption by Major Fuel for Non-Mall Buildings, 2003

| | RSEs for All Buildings* | | RSEs for Total Energy Consumption | | | | | |
|--|-------------------------|------------|-----------------------------------|-------------|------|-------------|----------|---------------|
| | Number of Buildings | Floorspace | Sum of Major Fuels | Electricity | | Natural Gas | Fuel Oil | District Heat |
| | | | | Primary | Site | | | |
| All Buildings* | 3.9 | 3.1 | 4.2 | 4.3 | 4.3 | 5.7 | 17.0 | 19.2 |
| Main Equipment Replaced Since 1990 (more than one may apply) | | | | | | | | |
| Heating | 5.4 | 5.3 | 8.9 | 8.0 | 8.0 | 9.3 | 23.0 | 100.3 |
| Cooling | 5.1 | 5.2 | 7.8 | 7.6 | 7.6 | 8.1 | 25.4 | 45.8 |
| Water Heating Equipment | | | | | | | | |
| Centralized System | 3.6 | 3.2 | 4.4 | 4.9 | 4.9 | 5.8 | 17.1 | 20.7 |
| Distributed System | 8.4 | 7.9 | 9.9 | 9.4 | 9.4 | 13.9 | 36.7 | 66.8 |
| Combination of Centralized and Distributed System | 8.8 | 5.8 | 10.4 | 9.3 | 9.3 | 12.5 | 30.6 | 34.2 |
| Lighting Equipment Types (more than one may apply) | | | | | | | | |
| Incandescent | 3.9 | 3.9 | 5.4 | 5.5 | 5.5 | 6.7 | 14.0 | 22.3 |
| Standard Fluorescent | 3.3 | 3.1 | 4.2 | 4.4 | 4.4 | 5.7 | 17.7 | 19.2 |
| Compact Fluorescent | 4.2 | 4.6 | 6.3 | 6.1 | 6.1 | 7.7 | 13.7 | 21.9 |
| High Intensity Discharge | 5.6 | 4.8 | 5.7 | 6.9 | 6.9 | 7.7 | 29.9 | 26.6 |
| Halogen | 6.6 | 5.2 | 7.4 | 7.1 | 7.1 | 9.2 | 25.1 | 26.9 |
| Other | 45.4 | 32.8 | 33.8 | 37.4 | 37.4 | 36.4 | 60.0 | 100.3 |
| Refrigeration Equipment (more than one may apply)^a | | | | | | | | |
| Any Refrigeration..... | 3.7 | 3.0 | 4.5 | 4.3 | 4.3 | 6.1 | 19.6 | 19.3 |
| Commercial Refrigeration | 4.6 | 4.7 | 6.5 | 5.9 | 5.9 | 7.2 | 21.4 | 25.3 |
| Walk-In Units | 4.3 | 5.6 | 7.1 | 6.0 | 6.0 | 7.5 | 18.9 | 26.9 |
| Cases or Cabinets | 5.4 | 4.8 | 7.0 | 6.5 | 6.5 | 8.1 | 22.7 | 28.4 |
| Residential-Type Units | 4.9 | 3.4 | 5.0 | 5.6 | 5.6 | 6.0 | 22.1 | 22.4 |
| Vending Machines | 4.4 | 3.8 | 5.3 | 5.1 | 5.1 | 6.9 | 16.0 | 19.9 |
| No Refrigeration | 5.8 | 6.9 | 8.9 | 17.0 | 17.0 | 13.8 | 26.5 | 82.9 |
| Office Equipment (more than one may apply) | | | | | | | | |
| Computers | 3.2 | 3.0 | 4.6 | 4.5 | 4.5 | 5.6 | 18.8 | 19.2 |
| With Flat Screen Monitors | 5.9 | 4.8 | 6.8 | 6.5 | 6.5 | 8.7 | 17.8 | 21.6 |
| Dedicated Servers | 3.4 | 3.8 | 6.0 | 5.4 | 5.4 | 6.9 | 20.3 | 20.8 |
| Laser Printers | 3.7 | 3.5 | 5.8 | 5.1 | 5.1 | 6.9 | 20.6 | 25.8 |
| Inkjet Printers | 4.5 | 4.2 | 6.3 | 6.2 | 6.2 | 7.1 | 20.7 | 21.3 |
| FAX Machines | 3.2 | 3.3 | 4.7 | 4.5 | 4.5 | 6.1 | 20.4 | 19.9 |
| Photocopiers | 3.6 | 3.6 | 5.1 | 4.9 | 4.9 | 6.4 | 14.8 | 19.6 |
| Number of Computers | | | | | | | | |
| None | 7.3 | 7.9 | 8.7 | 12.2 | 12.2 | 19.1 | 23.6 | 100.3 |
| 1 to 4 | 4.9 | 5.6 | 6.0 | 9.2 | 9.2 | 8.3 | 32.8 | 92.5 |
| 5 to 9 | 5.9 | 6.5 | 10.4 | 7.3 | 7.3 | 13.2 | 36.7 | 44.6 |
| 10 to 19 | 8.2 | 8.1 | 10.4 | 11.2 | 11.2 | 11.9 | 27.9 | 62.5 |
| 20 to 49 | 7.9 | 8.0 | 9.9 | 9.8 | 9.8 | 11.2 | 42.2 | 43.1 |
| 50 to 99 | 7.3 | 9.8 | 9.3 | 9.5 | 9.5 | 12.1 | 32.8 | 53.0 |
| 100 to 249 | 7.9 | 7.3 | 10.2 | 9.5 | 9.5 | 12.7 | 33.1 | 41.0 |
| 250 or More | 8.5 | 9.0 | 12.3 | 10.1 | 10.1 | 12.7 | 19.7 | 24.7 |
| Number of Dedicated Servers | | | | | | | | |
| None | 5.0 | 4.6 | 4.3 | 5.4 | 5.4 | 7.2 | 19.8 | 37.7 |
| 1 to 4 | 3.4 | 4.6 | 5.4 | 5.4 | 5.4 | 7.6 | 24.6 | 33.3 |
| 5 to 9 | 12.7 | 12.0 | 20.8 | 19.8 | 19.8 | 16.7 | 32.5 | 57.1 |
| 10 to 19 | 18.6 | 11.2 | 14.3 | 13.3 | 13.3 | 15.8 | 37.7 | 38.8 |
| 20 to 49 | 16.7 | 16.2 | 18.4 | 16.7 | 16.7 | 24.0 | 44.0 | 36.1 |
| 50 or More | 30.4 | 19.2 | 23.8 | 18.9 | 18.9 | 30.3 | 40.8 | 44.4 |

RSEs for Table C1. Total Energy Consumption by Major Fuel for Non-Mall Buildings, 2003

| | RSEs for All Buildings* | | RSEs for Total Energy Consumption | | | | | |
|--|-------------------------|------------|-----------------------------------|-------------|------|-------------|----------|---------------|
| | Number of Buildings | Floorspace | Sum of Major Fuels | Electricity | | Natural Gas | Fuel Oil | District Heat |
| | | | | Primary | Site | | | |
| All Buildings* | 3.9 | 3.1 | 4.2 | 4.3 | 4.3 | 5.7 | 17.0 | 19.2 |
| Number of Photocopiers | | | | | | | | |
| None | 5.8 | 5.8 | 5.8 | 6.8 | 6.8 | 8.7 | 34.3 | 36.6 |
| One | 4.7 | 5.3 | 6.1 | 6.5 | 6.5 | 9.0 | 29.4 | 45.5 |
| 2 to 4 | 4.9 | 5.6 | 6.9 | 7.7 | 7.7 | 8.1 | 25.2 | 24.6 |
| 5 to 9 | 9.7 | 9.0 | 13.0 | 12.4 | 12.4 | 13.4 | 36.6 | 34.9 |
| 10 or More | 8.3 | 8.4 | 12.0 | 10.4 | 10.4 | 13.2 | 24.4 | 25.9 |
| Energy-Related Space Functions (more than one may apply) | | | | | | | | |
| Commercial Food Preparation | 5.7 | 5.9 | 7.5 | 6.9 | 6.9 | 7.7 | 22.0 | 31.5 |
| Activities with Large Amounts of Hot Water | 5.4 | 5.6 | 7.8 | 7.4 | 7.4 | 8.0 | 21.9 | 27.9 |
| Separate Computer Area | 5.8 | 4.7 | 7.3 | 7.0 | 7.0 | 7.5 | 17.1 | 21.8 |
| HVAC Conservation Features (more than one may apply) | | | | | | | | |
| Variable Air-Volume System | 6.9 | 5.4 | 7.9 | 7.4 | 7.4 | 9.0 | 23.8 | 23.9 |
| Economizer Cycle | 6.1 | 5.1 | 6.8 | 6.5 | 6.5 | 7.1 | 20.5 | 23.7 |
| HVAC Maintenance | 3.9 | 3.8 | 4.8 | 4.9 | 4.9 | 6.0 | 17.9 | 19.3 |
| Energy Management and Control System (EMCS) | 9.3 | 5.5 | 8.7 | 7.6 | 7.6 | 9.3 | 20.9 | 23.9 |
| Window and Interior Lighting Features (more than one may apply) | | | | | | | | |
| Multipaned Windows | 4.4 | 3.7 | 5.0 | 5.0 | 5.0 | 6.3 | 24.5 | 23.2 |
| Tinted Window Glass | 3.9 | 4.2 | 6.0 | 6.0 | 6.0 | 7.7 | 21.4 | 27.5 |
| Reflective Window Glass | 8.6 | 5.7 | 10.4 | 9.4 | 9.4 | 11.5 | 36.7 | 37.5 |
| External Overhangs or Awnings | 6.7 | 5.5 | 8.8 | 8.8 | 8.8 | 10.1 | 27.6 | 35.2 |
| Skylights or Atriums | 6.2 | 6.0 | 9.6 | 8.8 | 8.8 | 10.1 | 24.8 | 32.1 |
| Daylighting Sensors | 16.4 | 11.3 | 21.1 | 17.1 | 17.1 | 21.3 | 43.6 | 62.0 |
| Specular Reflectors | 5.1 | 4.9 | 7.2 | 6.9 | 6.9 | 7.4 | 35.2 | 23.8 |
| Electronic Ballasts | 5.2 | 3.6 | 4.9 | 5.0 | 5.0 | 6.5 | 20.8 | 20.2 |
| Energy Management and Control System (EMCS) For Lighting | 20.6 | 10.6 | 12.5 | 10.6 | 10.6 | 15.4 | 43.6 | 44.1 |
| Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^a | | | | | | | | |
| Heating | 4.2 | 3.3 | 4.6 | 4.7 | 4.7 | 6.0 | 19.7 | 23.7 |
| Cooling | 4.1 | 3.4 | 4.7 | 5.0 | 5.0 | 6.0 | 23.5 | 23.6 |
| Lighting | 3.6 | 3.5 | 4.0 | 4.9 | 4.9 | 5.8 | 21.5 | 22.3 |
| Office Equipment | 5.0 | 5.0 | 6.3 | 8.5 | 8.5 | 8.4 | 23.9 | 36.7 |

X=No cases in the responding sample reported their consumption for the particular fuel, so relative standard error could not be calculated.

RSEs for Table C2. Total Energy Expenditures by Major Fuel for Non-Mall Buildings, 2003

| | RSEs for All Buildings* | | RSEs for Total Energy Expenditures | | | | |
|--|-------------------------|------------|------------------------------------|-------------|-------------|----------|---------------|
| | Number of Buildings | Floorspace | Sum of Major Fuels | Electricity | Natural Gas | Fuel Oil | District Heat |
| All Buildings* | 3.9 | 3.1 | 4.5 | 4.3 | 5.2 | 16.2 | 32.3 |
| Building Floorspace (Square Feet) | | | | | | | |
| 1,001 to 5,000 | 5.7 | 5.6 | 6.1 | 5.8 | 8.5 | 25.5 | 100.3 |
| 5,001 to 10,000 | 5.8 | 5.6 | 10.3 | 10.9 | 11.3 | 37.1 | 97.0 |
| 10,001 to 25,000 | 5.0 | 5.0 | 7.1 | 7.7 | 9.9 | 28.7 | 98.9 |
| 25,001 to 50,000 | 5.6 | 5.8 | 8.7 | 9.2 | 8.7 | 20.4 | 37.7 |
| 50,001 to 100,000 | 6.3 | 6.3 | 9.6 | 8.6 | 10.0 | 18.6 | 67.7 |
| 100,001 to 200,000 | 10.7 | 10.8 | 12.4 | 12.5 | 13.8 | 24.8 | 46.4 |
| 200,001 to 500,000 | 10.0 | 10.4 | 13.7 | 9.6 | 13.9 | 31.8 | 36.4 |
| Over 500,000 | 13.2 | 13.1 | 23.8 | 17.9 | 26.2 | 41.2 | 40.5 |
| Principal Building Activity | | | | | | | |
| Education | 7.1 | 6.0 | 8.1 | 8.5 | 10.5 | 23.1 | 86.2 |
| Food Sales | 9.3 | 9.4 | 14.1 | 14.8 | 23.8 | 58.3 | 0.0 |
| Food Service | 7.4 | 9.0 | 12.8 | 13.5 | 12.0 | 68.8 | 98.9 |
| Health Care | 10.0 | 6.9 | 9.7 | 7.1 | 11.6 | 21.9 | 43.8 |
| Inpatient | 21.2 | 11.6 | 12.0 | 8.0 | 13.6 | 22.5 | 43.8 |
| Outpatient | 11.0 | 9.7 | 14.1 | 12.4 | 22.9 | 60.7 | X |
| Lodging | 11.5 | 9.2 | 19.4 | 16.5 | 17.1 | 37.6 | 79.7 |
| Retail (Other Than Mall)..... | 7.5 | 8.0 | 14.1 | 14.7 | 14.6 | 47.6 | X |
| Office | 5.5 | 6.5 | 9.8 | 8.2 | 13.9 | 37.2 | 36.0 |
| Public Assembly | 8.4 | 10.9 | 20.2 | 20.8 | 13.1 | 30.3 | 49.4 |
| Public Order and Safety | 18.3 | 18.8 | 19.4 | 19.9 | 26.7 | 42.1 | 100.6 |
| Religious Worship | 8.7 | 7.9 | 10.1 | 9.3 | 10.4 | 40.7 | X |
| Service | 8.6 | 9.7 | 11.2 | 10.3 | 18.0 | 56.9 | 100.1 |
| Warehouse and Storage | 8.5 | 10.5 | 12.9 | 13.7 | 15.5 | 46.9 | 76.3 |
| Other | 15.1 | 21.7 | 28.9 | 26.3 | 31.8 | 57.9 | 86.2 |
| Vacant | 10.5 | 16.1 | 29.6 | 31.5 | 27.1 | 70.4 | 100.1 |
| Year Constructed | | | | | | | |
| Before 1920 | 9.7 | 12.3 | 14.2 | 15.9 | 14.5 | 26.2 | 51.8 |
| 1920 to 1945 | 7.6 | 11.3 | 10.2 | 13.4 | 16.2 | 38.9 | 35.7 |
| 1946 to 1959 | 8.0 | 7.8 | 14.4 | 14.4 | 8.9 | 30.7 | 57.7 |
| 1960 to 1969 | 7.1 | 6.8 | 10.4 | 9.7 | 9.7 | 51.8 | 59.8 |
| 1970 to 1979 | 7.1 | 7.0 | 9.9 | 9.1 | 9.7 | 25.0 | 41.7 |
| 1980 to 1989 | 6.0 | 6.4 | 11.0 | 8.8 | 16.6 | 27.0 | 48.7 |
| 1990 to 1999 | 7.5 | 6.6 | 10.0 | 10.4 | 9.2 | 37.5 | 60.7 |
| 2000 to 2003 | 10.1 | 8.4 | 12.9 | 11.2 | 16.9 | 55.3 | 77.3 |
| Census Region and Division | | | | | | | |
| Northeast | 10.0 | 9.6 | 10.5 | 8.9 | 10.8 | 20.4 | 48.5 |
| New England | 23.1 | 23.9 | 24.6 | 26.3 | 27.1 | 24.9 | 66.5 |
| Middle Atlantic | 11.1 | 10.5 | 12.2 | 9.0 | 12.1 | 36.2 | 63.6 |
| Midwest | 9.2 | 7.1 | 7.5 | 9.2 | 5.9 | 41.3 | 43.8 |
| East North Central | 12.0 | 9.9 | 10.0 | 12.7 | 4.9 | 56.4 | 49.8 |
| West North Central | 16.6 | 10.2 | 11.6 | 11.7 | 18.1 | 59.4 | 93.7 |
| South | 7.7 | 4.6 | 6.2 | 5.7 | 9.8 | 39.7 | 54.0 |
| South Atlantic | 11.9 | 5.0 | 8.1 | 7.7 | 15.7 | 42.9 | 64.7 |
| East South Central | 24.4 | 11.1 | 15.0 | 9.5 | 20.1 | 23.4 | 97.6 |
| West South Central | 11.9 | 11.2 | 13.7 | 13.1 | 14.5 | 34.0 | 99.1 |
| West | 8.1 | 4.8 | 12.8 | 11.4 | 15.9 | 48.3 | 55.6 |
| Mountain | 15.3 | 8.5 | 22.1 | 21.1 | 25.8 | 74.3 | 100.1 |
| Pacific | 9.6 | 5.3 | 15.3 | 13.0 | 15.8 | 52.0 | 60.9 |

RSEs for Table C2. Total Energy Expenditures by Major Fuel for Non-Mall Buildings, 2003

| | RSEs for All Buildings* | | RSEs for Total Energy Expenditures | | | | |
|---|-------------------------|------------|------------------------------------|-------------|-------------|----------|---------------|
| | Number of Buildings | Floorspace | Sum of Major Fuels | Electricity | Natural Gas | Fuel Oil | District Heat |
| All Buildings* | 3.9 | 3.1 | 4.5 | 4.3 | 5.2 | 16.2 | 32.3 |
| Climate Zone: 30-Year Average | | | | | | | |
| Under 2,000 CDD and -- | | | | | | | |
| More than 7,000 HDD | 10.1 | 10.9 | 11.6 | 12.5 | 12.8 | 32.8 | 55.4 |
| 5,500-7,000 HDD | 12.2 | 9.1 | 12.2 | 12.8 | 8.2 | 20.3 | 44.7 |
| 4,000-5,499 HDD | 23.6 | 15.3 | 18.7 | 17.0 | 21.6 | 45.4 | 51.6 |
| Fewer than 4,000 HDD | 14.4 | 11.1 | 11.8 | 11.2 | 16.4 | 37.0 | 55.2 |
| 2,000 CDD or More and -- | | | | | | | |
| Fewer than 4,000 HDD | 9.5 | 10.1 | 12.4 | 11.0 | 23.3 | 24.9 | 100.3 |
| Number of Floors | | | | | | | |
| One | 5.1 | 5.2 | 4.2 | 5.2 | 7.9 | 30.0 | 97.5 |
| Two | 4.6 | 5.1 | 8.7 | 9.1 | 7.3 | 23.0 | 41.6 |
| Three | 7.2 | 7.1 | 9.8 | 9.9 | 8.2 | 20.3 | 98.3 |
| Four to Nine | 11.1 | 9.7 | 11.9 | 10.5 | 10.4 | 21.5 | 43.9 |
| Ten or More | 13.8 | 15.0 | 25.5 | 17.5 | 28.3 | 42.9 | 35.3 |
| Elevators and Escalators (more than one may apply) | | | | | | | |
| Any Elevators | 4.9 | 5.3 | 9.1 | 7.5 | 8.8 | 17.3 | 32.9 |
| Number of Elevators | | | | | | | |
| One | 6.8 | 6.2 | 10.4 | 9.7 | 9.5 | 22.7 | 59.6 |
| Two to Five | 7.6 | 7.9 | 11.5 | 10.4 | 10.3 | 25.3 | 36.2 |
| Six or More | 13.1 | 13.5 | 20.9 | 15.6 | 21.7 | 26.2 | 36.9 |
| Any Escalators | 19.1 | 18.1 | 33.3 | 26.1 | 51.3 | 53.3 | 48.3 |
| Number of Workers (main shift) | | | | | | | |
| Fewer than 5 | 5.9 | 6.7 | 5.9 | 8.5 | 8.5 | 25.3 | 61.1 |
| 5 to 9 | 6.0 | 5.9 | 7.6 | 7.8 | 10.9 | 36.2 | 83.3 |
| 10 to 19 | 5.4 | 7.1 | 8.6 | 8.0 | 9.0 | 29.8 | 87.8 |
| 20 to 49 | 6.2 | 7.6 | 9.1 | 9.6 | 10.6 | 31.5 | 91.6 |
| 50 to 99 | 8.0 | 7.7 | 9.0 | 9.1 | 10.2 | 31.8 | 71.2 |
| 100 to 249 | 8.9 | 7.9 | 13.9 | 11.1 | 13.5 | 30.9 | 57.8 |
| 250 or More | 8.6 | 9.5 | 15.3 | 11.4 | 17.3 | 25.6 | 29.8 |
| Weekly Operating Hours | | | | | | | |
| Fewer than 40 | 8.1 | 8.6 | 11.0 | 11.7 | 15.5 | 27.1 | 100.1 |
| 40 to 48 | 5.6 | 6.0 | 7.5 | 7.3 | 10.1 | 39.9 | 59.1 |
| 49 to 60 | 4.7 | 6.4 | 7.5 | 8.1 | 9.4 | 24.9 | 41.5 |
| 61 to 84 | 5.1 | 5.9 | 6.9 | 6.9 | 9.3 | 26.7 | 43.1 |
| 85 to 167 | 6.9 | 7.6 | 6.5 | 7.4 | 9.3 | 34.8 | 45.1 |
| Open Continuously | 10.8 | 5.3 | 11.9 | 9.5 | 11.3 | 21.3 | 46.8 |
| Ownership and Occupancy | | | | | | | |
| Nongovernment Owned | 4.2 | 3.4 | 5.3 | 4.9 | 6.2 | 17.0 | 39.1 |
| Owner Occupied | 5.5 | 4.6 | 7.2 | 6.9 | 7.9 | 20.3 | 47.1 |
| Nonowner Occupied | 5.8 | 4.7 | 7.0 | 6.7 | 8.0 | 26.2 | 48.2 |
| Unoccupied | 11.2 | 18.8 | 30.8 | 45.6 | 28.2 | 93.8 | X |
| Government Owned | 7.0 | 5.8 | 7.1 | 7.5 | 7.6 | 22.0 | 44.9 |
| Federal | 31.6 | 29.5 | 27.2 | 26.5 | 24.9 | 60.5 | 65.9 |
| State | 16.3 | 13.5 | 17.2 | 18.0 | 21.7 | 40.7 | 53.8 |
| Local | 7.4 | 6.7 | 8.5 | 8.7 | 8.8 | 14.4 | 68.9 |
| Vacancy Status | | | | | | | |
| Completely Vacant | 10.6 | 17.8 | 29.7 | 41.4 | 27.5 | 98.9 | 100.1 |
| Mostly Vacant | 32.2 | 32.9 | 49.3 | 47.2 | 56.5 | 100.1 | 0.0 |
| Partially Vacant | 5.9 | 6.4 | 11.9 | 9.4 | 13.1 | 34.9 | 41.8 |
| Not At All Vacant | 4.2 | 3.3 | 4.7 | 4.6 | 5.7 | 16.1 | 45.0 |

RSEs for Table C2. Total Energy Expenditures by Major Fuel for Non-Mall Buildings, 2003

| | RSEs for All Buildings* | | RSEs for Total Energy Expenditures | | | | |
|---|-------------------------|------------|------------------------------------|-------------|-------------|----------|---------------|
| | Number of Buildings | Floorspace | Sum of Major Fuels | Electricity | Natural Gas | Fuel Oil | District Heat |
| All Buildings* | 3.9 | 3.1 | 4.5 | 4.3 | 5.2 | 16.2 | 32.3 |
| Number of Establishments | | | | | | | |
| One | 4.4 | 3.7 | 4.7 | 4.6 | 5.8 | 19.5 | 39.8 |
| 2 to 5 | 5.8 | 5.9 | 9.4 | 9.9 | 11.5 | 19.3 | 67.5 |
| 6 to 10 | 14.4 | 13.5 | 13.8 | 20.2 | 22.9 | 58.6 | 62.4 |
| 11 to 20 | 19.0 | 16.7 | 21.2 | 15.6 | 28.8 | 79.4 | 57.3 |
| More than 20 | 24.4 | 14.3 | 28.9 | 21.5 | 46.7 | 50.8 | 63.4 |
| Currently Unoccupied | 10.6 | 17.8 | 29.7 | 41.4 | 27.5 | 98.9 | 100.1 |
| Predominant Exterior Wall Material | | | | | | | |
| Brick, Stone or Stucco | 4.4 | 4.4 | 5.0 | 5.0 | 6.3 | 16.2 | 45.0 |
| Concrete (Block or Poured) | 7.1 | 6.2 | 9.5 | 8.6 | 13.6 | 29.4 | 56.7 |
| Concrete Panels | 8.3 | 10.6 | 19.5 | 15.7 | 25.6 | 63.5 | 55.1 |
| Siding or Shingles | 9.5 | 9.7 | 15.2 | 18.7 | 11.1 | 36.1 | X |
| Metal Panels | 9.2 | 8.1 | 15.4 | 14.2 | 18.7 | 30.1 | 72.5 |
| Window Glass | 25.8 | 18.0 | 26.4 | 25.8 | 29.2 | 44.9 | 85.9 |
| Other | 21.1 | 17.8 | 26.7 | 25.1 | 29.1 | 85.0 | 78.2 |
| No One Major Type | 33.5 | 23.1 | 42.2 | 33.1 | 35.1 | 71.9 | X |
| Predominant Roof Material | | | | | | | |
| Built-Up | 4.9 | 4.5 | 7.9 | 7.2 | 8.4 | 21.7 | 44.4 |
| Shingles (Not Wood) | 5.5 | 4.9 | 10.0 | 8.7 | 12.2 | 23.7 | 37.4 |
| Metal Surfacing | 7.9 | 8.2 | 8.0 | 8.6 | 12.7 | 38.6 | X |
| Synthetic or Rubber | 5.2 | 5.6 | 7.4 | 7.3 | 7.2 | 19.9 | 53.1 |
| Slate or Tile | 12.1 | 10.8 | 11.8 | 12.5 | 14.5 | 38.7 | 97.6 |
| Wooden Materials | 16.4 | 16.0 | 21.1 | 25.7 | 24.3 | 59.6 | X |
| Concrete | 20.3 | 36.7 | 33.8 | 30.9 | 34.8 | 61.3 | 99.6 |
| Other | 27.2 | 34.0 | 33.2 | 33.6 | 43.5 | 100.8 | 93.8 |
| No One Major Type | 30.2 | 27.7 | 32.9 | 33.0 | 34.6 | 69.9 | 70.2 |
| Renovations in Buildings Constructed Before 1980 (more than one may apply) | | | | | | | |
| Any Type of Renovation | | | | | | | |
| Since 1980 | 6.2 | 5.4 | 7.0 | 6.7 | 6.5 | 24.4 | 36.3 |
| Addition or Annex | 9.6 | 8.9 | 10.2 | 9.3 | 10.3 | 60.7 | 58.2 |
| Reduction In Floorspace | 24.1 | 21.9 | 28.5 | 26.5 | 29.6 | 66.2 | 98.6 |
| Cosmetic Improvements | 6.6 | 5.7 | 7.9 | 7.1 | 7.2 | 18.0 | 40.0 |
| Wall or Roof Replacement | 10.9 | 7.2 | 12.5 | 10.7 | 10.7 | 14.8 | 53.9 |
| Interior Wall | | | | | | | |
| Re-Configuration | 8.5 | 6.4 | 9.5 | 8.7 | 8.8 | 15.4 | 45.2 |
| HVAC Equipment Upgrade | 7.4 | 5.8 | 9.3 | 8.5 | 7.0 | 19.1 | 39.1 |
| Lighting Upgrade | 7.2 | 6.6 | 8.6 | 8.2 | 7.7 | 15.6 | 41.0 |
| Window Replacement | 9.1 | 7.2 | 11.7 | 10.9 | 10.9 | 28.8 | 45.5 |
| Plumbing System Upgrade | 8.3 | 7.9 | 11.8 | 11.1 | 10.3 | 20.5 | 44.8 |
| Insulation Upgrade | 12.3 | 10.1 | 15.4 | 12.2 | 10.6 | 35.0 | 70.9 |
| Other Renovation | 30.6 | 24.1 | 34.4 | 32.9 | 37.4 | 71.3 | 59.2 |
| No Renovations Since 1980 | 4.8 | 6.0 | 6.0 | 6.6 | 9.7 | 20.4 | 63.3 |
| Building Newer than 1980 | 5.8 | 5.1 | 6.9 | 6.6 | 9.1 | 28.6 | 35.7 |

RSEs for Table C2. Total Energy Expenditures by Major Fuel for Non-Mall Buildings, 2003

| | RSEs for All Buildings* | | RSEs for Total Energy Expenditures | | | | |
|---|-------------------------|------------|------------------------------------|-------------|-------------|----------|---------------|
| | Number of Buildings | Floorspace | Sum of Major Fuels | Electricity | Natural Gas | Fuel Oil | District Heat |
| All Buildings* | 3.9 | 3.1 | 4.5 | 4.3 | 5.2 | 16.2 | 32.3 |
| Energy Sources (more than one may apply) | | | | | | | |
| Electricity | 3.9 | 3.7 | 4.5 | 4.3 | 5.7 | 17.5 | 27.0 |
| Natural Gas | 5.3 | 4.7 | 5.7 | 5.6 | 5.2 | 16.6 | 44.9 |
| Fuel Oil | 12.7 | 8.5 | 12.5 | 11.3 | 14.6 | 16.2 | 40.0 |
| District Heat | 12.4 | 13.4 | 31.0 | 16.5 | 31.0 | 39.6 | 32.3 |
| District Chilled Water | 13.0 | 11.5 | 24.3 | 18.3 | 26.4 | 34.4 | 60.7 |
| Propane | 16.3 | 13.3 | 16.2 | 16.7 | 22.3 | 34.4 | 86.4 |
| Other | 13.7 | 13.5 | 22.2 | 21.3 | 25.2 | 48.3 | 98.6 |
| Space-Heating Energy Sources (more than one may apply) | | | | | | | |
| Electricity | 6.6 | 4.6 | 6.7 | 6.1 | 8.4 | 17.2 | 51.3 |
| Natural Gas | 5.5 | 4.8 | 5.9 | 5.7 | 5.5 | 24.1 | 74.3 |
| Fuel Oil | 12.5 | 17.3 | 12.1 | 10.7 | 22.9 | 16.5 | X |
| District Heat | 12.4 | 13.9 | 31.0 | 17.1 | 30.5 | 35.9 | 32.3 |
| Propane | 19.9 | 15.8 | 30.8 | 29.6 | 44.1 | 32.1 | 100.2 |
| Other | 16.1 | 19.3 | 29.5 | 29.5 | 33.7 | 50.2 | 0.0 |
| Primary Space-Heating Energy Source | | | | | | | |
| Electricity | 8.1 | 7.4 | 7.7 | 7.3 | 9.8 | 35.8 | 53.6 |
| Natural Gas | 5.7 | 4.9 | 6.1 | 5.9 | 5.6 | 25.1 | 77.2 |
| Fuel Oil | 16.0 | 24.5 | 17.7 | 16.9 | 25.7 | 18.0 | 0.0 |
| District Heat | 12.8 | 14.4 | 33.1 | 17.7 | 36.0 | 34.8 | 33.7 |
| Propane | 22.0 | 18.4 | 40.1 | 39.7 | X | 64.7 | X |
| Other | 20.4 | 21.6 | 35.3 | 30.9 | 69.3 | 42.2 | 0.0 |
| Cooling Energy Sources (more than one may apply) | | | | | | | |
| Electricity | 3.2 | 3.1 | 4.8 | 4.5 | 5.3 | 21.5 | 38.2 |
| Natural Gas | 26.9 | 19.5 | 24.2 | 24.4 | 32.4 | 55.7 | X |
| District Chilled Water | 13.0 | 11.5 | 24.3 | 18.3 | 26.4 | 34.4 | 60.7 |
| Water-Heating Energy Sources (more than one may apply) | | | | | | | |
| Electricity | 5.9 | 4.8 | 6.3 | 5.9 | 9.5 | 20.7 | 38.7 |
| Natural Gas | 5.2 | 5.0 | 6.4 | 6.3 | 6.0 | 20.5 | 74.3 |
| Fuel Oil | 17.9 | 21.0 | 18.2 | 16.1 | 23.5 | 23.4 | X |
| District Heat | 22.6 | 14.2 | 38.0 | 20.0 | 40.4 | 51.0 | 30.6 |
| Propane | 22.3 | 18.5 | 42.0 | 43.6 | 98.3 | 36.4 | X |
| Cooking Energy Sources (more than one may apply) | | | | | | | |
| Electricity | 7.2 | 6.2 | 10.3 | 8.8 | 10.0 | 21.5 | 42.8 |
| Natural Gas | 6.5 | 7.2 | 9.0 | 7.3 | 8.5 | 27.8 | 37.0 |
| Propane | 19.3 | 15.6 | 35.9 | 34.4 | 44.8 | 27.7 | 100.5 |
| Energy End Uses (more than one may apply) | | | | | | | |
| Buildings with Space Heating | 3.5 | 3.1 | 4.5 | 4.3 | 5.3 | 16.1 | 32.3 |
| Buildings with Cooling | 3.2 | 3.0 | 4.8 | 4.4 | 5.6 | 21.1 | 32.4 |
| Buildings with Water Heating | 3.2 | 2.9 | 4.7 | 4.4 | 5.3 | 16.1 | 32.5 |
| Buildings with Cooking | 5.7 | 5.9 | 8.1 | 6.8 | 7.8 | 19.7 | 37.5 |
| Buildings with Manufacturing | 12.1 | 14.1 | 17.3 | 16.8 | 19.3 | 40.3 | 67.7 |
| Buildings with Electricity Generation | 7.6 | 6.6 | 12.6 | 9.2 | 11.6 | 19.1 | 45.8 |

RSEs for Table C2. Total Energy Expenditures by Major Fuel for Non-Mall Buildings, 2003

| | RSEs for All Buildings* | | RSEs for Total Energy Expenditures | | | | |
|--|-------------------------|------------|------------------------------------|-------------|-------------|----------|---------------|
| | Number of Buildings | Floorspace | Sum of Major Fuels | Electricity | Natural Gas | Fuel Oil | District Heat |
| All Buildings* | 3.9 | 3.1 | 4.5 | 4.3 | 5.2 | 16.2 | 32.3 |
| Percent of Floorspace Heated | | | | | | | |
| Not Heated | 8.4 | 8.9 | 24.5 | 27.2 | 55.2 | 62.6 | X |
| 1 to 50 | 8.0 | 10.4 | 13.1 | 13.9 | 17.6 | 38.2 | 100.0 |
| 51 to 99 | 7.0 | 7.2 | 9.4 | 9.1 | 14.0 | 25.2 | 48.4 |
| 100 | 3.8 | 4.1 | 5.2 | 5.0 | 5.4 | 17.4 | 36.0 |
| Percent of Floorspace Cooled | | | | | | | |
| Not Cooled | 8.6 | 11.2 | 13.8 | 20.4 | 13.9 | 23.5 | 100.3 |
| 1 to 50 | 5.7 | 7.1 | 9.4 | 8.6 | 9.1 | 27.0 | 45.1 |
| 51 to 99 | 6.9 | 5.9 | 8.5 | 6.9 | 10.9 | 28.5 | 37.7 |
| 100 | 3.7 | 4.1 | 7.1 | 6.3 | 7.2 | 27.0 | 58.0 |
| Percent Lit When Open | | | | | | | |
| Zero | 33.5 | 27.8 | 32.2 | 50.6 | 77.7 | 100.8 | X |
| 1 to 50 | 6.4 | 7.0 | 8.1 | 8.2 | 9.7 | 24.1 | 71.3 |
| 51 to 99 | 5.1 | 4.1 | 6.3 | 6.5 | 8.5 | 17.7 | 49.0 |
| 100 | 3.8 | 4.1 | 5.9 | 5.6 | 7.2 | 23.4 | 38.1 |
| Building Never Open/ Electricity Not Used | 10.9 | 13.0 | 23.4 | 32.9 | 24.8 | 61.6 | 100.1 |
| Percent Lit When Closed | | | | | | | |
| Zero | 5.2 | 5.5 | 4.9 | 6.0 | 7.2 | 19.6 | 55.1 |
| 1 to 50 | 3.6 | 3.7 | 5.1 | 4.9 | 6.4 | 28.3 | 35.6 |
| 51 to 100 | 9.6 | 12.4 | 19.4 | 18.5 | 20.0 | 37.7 | 95.1 |
| Building Never Closed/ Electricity Not Used | 8.9 | 5.0 | 11.9 | 9.5 | 11.3 | 21.1 | 46.8 |
| Heating Equipment (more than one may apply) | | | | | | | |
| Heat Pumps | 13.2 | 7.6 | 13.6 | 11.2 | 18.2 | 39.9 | 76.0 |
| Packaged Heat Pumps | 10.7 | 7.6 | 18.4 | 14.1 | 28.5 | 51.9 | 96.5 |
| Split-System Heat Pumps | 21.5 | 15.9 | 15.7 | 13.2 | 21.0 | 58.3 | 87.1 |
| Individual Room Heat Pumps | 14.9 | 11.8 | 18.6 | 15.4 | 18.9 | 58.1 | 61.2 |
| Furnaces | 5.4 | 5.1 | 5.9 | 6.6 | 7.2 | 29.4 | 69.2 |
| Individual Space Heaters | 9.3 | 5.9 | 8.9 | 7.5 | 9.0 | 25.4 | 64.0 |
| District Heat | 12.5 | 14.0 | 31.0 | 17.2 | 30.6 | 35.9 | 32.3 |
| Boilers | 6.8 | 7.1 | 8.3 | 8.1 | 8.2 | 14.5 | 77.2 |
| Packaged Heating Units | 6.2 | 4.4 | 6.8 | 6.8 | 7.0 | 36.1 | 63.4 |
| Other | 10.3 | 11.5 | 12.0 | 13.3 | 18.0 | 40.6 | 64.1 |
| Cooling Equipment (more than one may apply) | | | | | | | |
| Residential-Type Central | | | | | | | |
| Air Conditioners | 5.9 | 6.7 | 8.8 | 8.8 | 8.8 | 32.3 | 85.0 |
| Heat Pumps | 12.2 | 8.1 | 13.3 | 11.3 | 18.0 | 41.1 | 80.0 |
| Packaged Heat Pumps | 9.8 | 8.1 | 18.4 | 14.4 | 28.4 | 56.0 | 96.5 |
| Split-System Heat Pumps | 20.8 | 15.8 | 16.2 | 13.9 | 21.1 | 59.1 | 87.1 |
| Individual Room Heat Pumps | 14.8 | 12.6 | 18.2 | 16.4 | 18.8 | 57.7 | 63.4 |
| Individual Air Conditioners | 6.5 | 6.8 | 8.1 | 10.1 | 8.2 | 26.1 | 42.0 |
| District Chilled Water | 13.0 | 11.5 | 24.3 | 18.3 | 26.4 | 34.4 | 60.7 |
| Central Chillers | 10.0 | 8.4 | 12.3 | 10.3 | 12.9 | 22.7 | 32.5 |
| Packaged Air Conditioning Units | 4.5 | 4.5 | 4.9 | 5.1 | 6.2 | 20.9 | 43.0 |
| Swamp Coolers | 19.4 | 15.1 | 10.0 | 10.0 | 20.4 | 78.8 | X |
| Other | 24.6 | 20.1 | 20.1 | 20.7 | 34.9 | 60.5 | 76.3 |

RSEs for Table C2. Total Energy Expenditures by Major Fuel for Non-Mall Buildings, 2003

| | RSEs for All Buildings* | | RSEs for Total Energy Expenditures | | | | |
|--|-------------------------|------------|------------------------------------|-------------|-------------|----------|---------------|
| | Number of Buildings | Floorspace | Sum of Major Fuels | Electricity | Natural Gas | Fuel Oil | District Heat |
| All Buildings* | 3.9 | 3.1 | 4.5 | 4.3 | 5.2 | 16.2 | 32.3 |
| Main Equipment Replaced Since 1990 (more than one may apply) | | | | | | | |
| Heating | 5.4 | 5.3 | 8.9 | 8.4 | 9.3 | 18.2 | 70.5 |
| Cooling | 5.1 | 5.2 | 7.6 | 7.2 | 8.1 | 24.4 | 50.7 |
| Water Heating Equipment | | | | | | | |
| Centralized System | 3.6 | 3.2 | 5.1 | 4.9 | 5.7 | 16.1 | 34.2 |
| Distributed System | 8.4 | 7.9 | 9.5 | 10.1 | 13.1 | 33.8 | 94.2 |
| Combination of Centralized and Distributed System | 8.8 | 5.8 | 11.1 | 10.2 | 13.3 | 29.3 | 36.8 |
| Lighting Equipment Types (more than one may apply) | | | | | | | |
| Incandescent | 3.9 | 3.9 | 6.1 | 5.7 | 6.3 | 14.2 | 35.0 |
| Standard Fluorescent | 3.3 | 3.1 | 4.5 | 4.3 | 5.3 | 16.7 | 32.3 |
| Compact Fluorescent | 4.2 | 4.6 | 7.1 | 6.4 | 7.8 | 13.7 | 35.5 |
| High Intensity Discharge | 5.6 | 4.8 | 6.6 | 6.5 | 6.1 | 29.5 | 34.2 |
| Halogen | 6.6 | 5.2 | 7.9 | 7.1 | 7.8 | 21.7 | 36.0 |
| Other | 45.4 | 32.8 | 50.2 | 41.6 | 38.5 | 61.1 | 87.0 |
| Refrigeration Equipment (more than one may apply)^a | | | | | | | |
| Any Refrigeration..... | 3.7 | 3.0 | 4.9 | 4.6 | 5.5 | 18.7 | 27.1 |
| Commercial Refrigeration | 4.6 | 4.7 | 6.9 | 5.8 | 7.2 | 19.5 | 35.4 |
| Walk-In Units | 4.3 | 5.6 | 7.7 | 6.3 | 7.6 | 18.2 | 37.3 |
| Cases or Cabinets | 5.4 | 4.8 | 7.8 | 6.7 | 8.4 | 20.4 | 40.1 |
| Residential-Type Units | 4.9 | 3.4 | 5.0 | 5.2 | 5.4 | 20.5 | 29.6 |
| Vending Machines | 4.4 | 3.8 | 6.2 | 5.7 | 6.7 | 16.1 | 29.4 |
| No Refrigeration | 5.8 | 6.9 | 7.9 | 9.7 | 14.0 | 26.0 | 95.2 |
| Office Equipment (more than one may apply) | | | | | | | |
| Computers | 3.2 | 3.0 | 4.9 | 4.6 | 5.6 | 18.1 | 32.5 |
| With Flat Screen Monitors | 5.9 | 4.8 | 7.8 | 6.8 | 9.8 | 18.7 | 35.1 |
| Dedicated Servers | 3.4 | 3.8 | 6.2 | 5.5 | 7.5 | 18.2 | 34.6 |
| Laser Printers | 3.7 | 3.5 | 6.0 | 5.4 | 7.1 | 19.3 | 39.9 |
| Inkjet Printers | 4.5 | 4.2 | 6.4 | 5.9 | 7.3 | 20.3 | 38.4 |
| FAX Machines | 3.2 | 3.3 | 5.0 | 4.6 | 5.7 | 20.2 | 33.0 |
| Photocopiers | 3.6 | 3.6 | 5.7 | 5.2 | 6.2 | 13.7 | 32.7 |
| Number of Computers | | | | | | | |
| None | 7.3 | 7.9 | 7.7 | 9.0 | 11.4 | 23.0 | 75.6 |
| 1 to 4 | 4.9 | 5.6 | 6.5 | 7.4 | 7.9 | 29.0 | X |
| 5 to 9 | 5.9 | 6.5 | 7.2 | 7.2 | 11.2 | 34.2 | 52.2 |
| 10 to 19 | 8.2 | 8.1 | 9.4 | 9.4 | 11.6 | 28.9 | 72.0 |
| 20 to 49 | 7.9 | 8.0 | 11.0 | 11.1 | 12.8 | 41.9 | 49.4 |
| 50 to 99 | 7.3 | 9.8 | 8.9 | 8.9 | 13.8 | 35.0 | 68.6 |
| 100 to 249 | 7.9 | 7.3 | 12.6 | 10.0 | 12.9 | 31.2 | 56.4 |
| 250 or More | 8.5 | 9.0 | 14.8 | 10.6 | 16.6 | 20.5 | 31.9 |
| Number of Dedicated Servers | | | | | | | |
| None | 5.0 | 4.6 | 4.8 | 5.0 | 5.7 | 18.4 | 45.9 |
| 1 to 4 | 3.4 | 4.6 | 5.0 | 5.2 | 7.8 | 20.9 | 73.2 |
| 5 to 9 | 12.7 | 12.0 | 19.2 | 17.0 | 18.1 | 33.4 | 63.8 |
| 10 to 19 | 18.6 | 11.2 | 17.4 | 13.3 | 18.2 | 42.0 | 52.9 |
| 20 to 49 | 16.7 | 16.2 | 23.8 | 16.6 | 26.2 | 43.0 | 62.1 |
| 50 or More | 30.4 | 19.2 | 25.1 | 21.6 | 37.7 | 39.9 | 49.2 |

RSEs for Table C2. Total Energy Expenditures by Major Fuel for Non-Mall Buildings, 2003

| | RSEs for All Buildings* | | RSEs for Total Energy Expenditures | | | | |
|--|-------------------------|------------|------------------------------------|-------------|-------------|----------|---------------|
| | Number of Buildings | Floorspace | Sum of Major Fuels | Electricity | Natural Gas | Fuel Oil | District Heat |
| All Buildings* | 3.9 | 3.1 | 4.5 | 4.3 | 5.2 | 16.2 | 32.3 |
| Number of Photocopiers | | | | | | | |
| None | 5.8 | 5.8 | 5.5 | 5.9 | 8.2 | 30.5 | 63.9 |
| One | 4.7 | 5.3 | 5.5 | 5.8 | 8.0 | 25.6 | 73.2 |
| 2 to 4 | 4.9 | 5.6 | 7.5 | 7.4 | 8.2 | 22.4 | 63.5 |
| 5 to 9 | 9.7 | 9.0 | 15.3 | 13.9 | 14.5 | 35.6 | 48.0 |
| 10 or More | 8.3 | 8.4 | 14.8 | 10.6 | 16.6 | 27.5 | 42.1 |
| Energy-Related Space Functions (more than one may apply) | | | | | | | |
| Commercial Food Preparation | 5.7 | 5.9 | 8.1 | 6.8 | 7.8 | 19.7 | 37.5 |
| Activities with Large Amounts of Hot Water | 5.4 | 5.6 | 8.5 | 7.5 | 7.7 | 19.0 | 42.4 |
| Separate Computer Area | 5.8 | 4.7 | 8.0 | 6.8 | 8.8 | 15.3 | 37.0 |
| HVAC Conservation Features (more than one may apply) | | | | | | | |
| Variable Air-Volume System | 6.9 | 5.4 | 9.1 | 8.1 | 10.4 | 19.7 | 38.0 |
| Economizer Cycle | 6.1 | 5.1 | 7.4 | 6.6 | 7.9 | 20.6 | 38.9 |
| HVAC Maintenance | 3.9 | 3.8 | 5.2 | 4.8 | 5.7 | 17.2 | 32.3 |
| Energy Management and Control System (EMCS) | 9.3 | 5.5 | 10.1 | 8.4 | 10.7 | 20.1 | 40.8 |
| Window and Interior Lighting Features (more than one may apply) | | | | | | | |
| Multipaned Windows | 4.4 | 3.7 | 5.4 | 5.0 | 5.9 | 23.9 | 33.7 |
| Tinted Window Glass | 3.9 | 4.2 | 6.1 | 5.6 | 7.9 | 22.5 | 43.9 |
| Reflective Window Glass | 8.6 | 5.7 | 11.3 | 9.1 | 9.9 | 29.1 | 44.3 |
| External Overhangs or Awnings | 6.7 | 5.5 | 8.7 | 8.3 | 9.1 | 24.3 | 44.8 |
| Skylights or Atriums | 6.2 | 6.0 | 11.1 | 9.4 | 11.7 | 26.6 | 37.8 |
| Daylighting Sensors | 16.4 | 11.3 | 25.9 | 21.9 | 25.9 | 45.5 | 52.1 |
| Specular Reflectors | 5.1 | 4.9 | 7.9 | 7.1 | 8.6 | 35.1 | 37.4 |
| Electronic Ballasts | 5.2 | 3.6 | 5.4 | 5.1 | 6.2 | 19.6 | 33.4 |
| Energy Management and Control System (EMCS) For Lighting | 20.6 | 10.6 | 14.4 | 13.5 | 16.1 | 40.9 | 72.4 |
| Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^a | | | | | | | |
| Heating | 4.2 | 3.3 | 5.2 | 4.8 | 6.0 | 17.6 | 40.1 |
| Cooling | 4.1 | 3.4 | 5.5 | 5.1 | 6.2 | 22.2 | 39.1 |
| Lighting | 3.6 | 3.5 | 3.8 | 4.2 | 5.0 | 19.7 | 30.9 |
| Office Equipment | 5.0 | 5.0 | 6.5 | 7.4 | 7.3 | 22.7 | 70.1 |

X=No cases in the responding sample reported their consumption for the particular fuel, so relative standard error could not be calculated.

RSEs for Table C3. Consumption and Gross Energy Intensity for Sum of Major Fuels for Non-Mall Buildings, 2003

| | RSEs for All Buildings* | | | RSEs for Sum of Major Fuel Consumption | | | |
|--|-------------------------|------------|-------------------------|--|--------------|-----------------|------------|
| | Number of Buildings | Floorspace | Floorspace per Building | Total | per Building | per Square Foot | per Worker |
| All Buildings* | 3.9 | 3.1 | 4.1 | 4.2 | 6.1 | 4.3 | 5.6 |
| Building Floorspace (Square Feet) | | | | | | | |
| 1,001 to 5,000 | 5.7 | 5.6 | 1.3 | 6.3 | 6.4 | 6.3 | 5.9 |
| 5,001 to 10,000 | 5.8 | 5.6 | 0.9 | 8.7 | 8.3 | 8.4 | 7.3 |
| 10,001 to 25,000 | 5.0 | 5.0 | 1.0 | 8.7 | 9.5 | 9.4 | 7.4 |
| 25,001 to 50,000 | 5.6 | 5.8 | 1.1 | 9.2 | 7.0 | 7.3 | 8.0 |
| 50,001 to 100,000 | 6.3 | 6.3 | 1.0 | 9.2 | 8.8 | 9.0 | 7.7 |
| 100,001 to 200,000 | 10.7 | 10.8 | 1.6 | 11.6 | 9.4 | 9.9 | 24.0 |
| 200,001 to 500,000 | 10.0 | 10.4 | 1.8 | 10.6 | 11.6 | 11.4 | 9.7 |
| Over 500,000 | 13.2 | 13.1 | 3.8 | 20.5 | 15.0 | 14.5 | 16.7 |
| Principal Building Activity | | | | | | | |
| Education | 7.1 | 6.0 | 5.4 | 7.5 | 8.2 | 7.2 | 22.3 |
| Food Sales | 9.3 | 9.4 | 7.5 | 15.8 | 15.4 | 14.2 | 12.3 |
| Food Service | 7.4 | 9.0 | 6.5 | 15.5 | 14.7 | 14.6 | 13.1 |
| Health Care | 10.0 | 6.9 | 11.4 | 12.2 | 14.6 | 11.1 | 11.2 |
| Inpatient | 21.2 | 11.6 | 14.7 | 14.3 | 27.3 | 15.1 | 15.8 |
| Outpatient | 11.0 | 9.7 | 8.4 | 17.7 | 15.0 | 14.3 | 12.6 |
| Lodging | 11.5 | 9.2 | 12.7 | 16.9 | 20.5 | 16.9 | 14.1 |
| Retail (Other Than Mall)..... | 7.5 | 8.0 | 7.3 | 13.8 | 12.6 | 10.2 | 9.2 |
| Office | 5.5 | 6.5 | 7.5 | 7.7 | 8.8 | 5.2 | 6.1 |
| Public Assembly | 8.4 | 10.9 | 10.0 | 14.1 | 15.7 | 16.0 | 16.9 |
| Public Order and Safety | 18.3 | 18.8 | 20.7 | 19.1 | 18.6 | 23.5 | 27.5 |
| Religious Worship | 8.7 | 7.9 | 6.3 | 10.4 | 8.4 | 5.8 | 11.8 |
| Service | 8.6 | 9.7 | 8.6 | 17.5 | 18.0 | 13.9 | 13.5 |
| Warehouse and Storage | 8.5 | 10.5 | 9.4 | 16.3 | 17.8 | 15.4 | 14.2 |
| Other | 15.1 | 21.7 | 21.3 | 26.6 | 28.9 | 29.0 | 27.4 |
| Vacant | 10.5 | 16.1 | 14.4 | 27.8 | 26.7 | 24.6 | 49.8 |
| Year Constructed | | | | | | | |
| Before 1920 | 9.7 | 12.3 | 11.3 | 13.6 | 13.0 | 13.5 | 9.7 |
| 1920 to 1945 | 7.6 | 11.3 | 10.8 | 12.2 | 13.2 | 13.7 | 12.9 |
| 1946 to 1959 | 8.0 | 7.8 | 7.5 | 11.0 | 11.1 | 10.6 | 9.3 |
| 1960 to 1969 | 7.1 | 6.8 | 5.9 | 9.3 | 9.7 | 8.5 | 8.4 |
| 1970 to 1979 | 7.1 | 7.0 | 7.8 | 9.3 | 11.4 | 7.8 | 7.8 |
| 1980 to 1989 | 6.0 | 6.4 | 7.6 | 11.5 | 12.6 | 10.4 | 11.7 |
| 1990 to 1999 | 7.5 | 6.6 | 5.8 | 9.3 | 10.5 | 8.6 | 18.7 |
| 2000 to 2003 | 10.1 | 8.4 | 8.5 | 13.2 | 12.8 | 11.5 | 9.6 |
| Census Region and Division | | | | | | | |
| Northeast | 10.0 | 9.6 | 7.9 | 9.6 | 8.4 | 11.1 | 8.7 |
| New England | 23.1 | 23.9 | 8.0 | 26.4 | 19.3 | 18.6 | 14.5 |
| Middle Atlantic | 11.1 | 10.5 | 10.1 | 10.0 | 8.9 | 13.6 | 10.2 |
| Midwest | 9.2 | 7.1 | 8.9 | 5.7 | 9.9 | 6.5 | 7.8 |
| East North Central | 12.0 | 9.9 | 10.4 | 6.9 | 9.2 | 8.5 | 9.8 |
| West North Central | 16.6 | 10.2 | 12.6 | 10.5 | 19.8 | 9.4 | 11.6 |
| South | 7.7 | 4.6 | 7.0 | 7.2 | 12.1 | 8.2 | 12.5 |
| South Atlantic | 11.9 | 5.0 | 9.6 | 8.9 | 15.8 | 10.2 | 19.1 |
| East South Central | 24.4 | 11.1 | 16.3 | 19.2 | 40.4 | 25.0 | 13.9 |
| West South Central | 11.9 | 11.2 | 12.5 | 13.6 | 16.0 | 12.7 | 7.0 |
| West | 8.1 | 4.8 | 8.2 | 10.4 | 16.0 | 9.2 | 9.5 |
| Mountain | 15.3 | 8.5 | 17.3 | 17.0 | 27.7 | 14.1 | 17.0 |
| Pacific | 9.6 | 5.3 | 8.6 | 12.0 | 18.7 | 12.0 | 9.7 |

RSEs for Table C3. Consumption and Gross Energy Intensity for Sum of Major Fuels for Non-Mall Buildings, 2003

| | RSEs for All Buildings* | | | RSEs for Sum of Major Fuel Consumption | | | |
|---|-------------------------|------------|-------------------------|--|--------------|-----------------|------------|
| | Number of Buildings | Floorspace | Floorspace per Building | Total | per Building | per Square Foot | per Worker |
| All Buildings* | 3.9 | 3.1 | 4.1 | 4.2 | 6.1 | 4.3 | 5.6 |
| Climate Zone: 30-Year Average | | | | | | | |
| Under 2,000 CDD and -- | | | | | | | |
| More than 7,000 HDD | 10.1 | 10.9 | 6.9 | 10.4 | 7.0 | 5.5 | 6.9 |
| 5,500-7,000 HDD | 12.2 | 9.1 | 8.2 | 9.6 | 11.5 | 8.6 | 8.6 |
| 4,000-5,499 HDD | 23.6 | 15.3 | 17.6 | 19.9 | 22.4 | 11.9 | 10.4 |
| Fewer than 4,000 HDD | 14.4 | 11.1 | 6.2 | 11.9 | 11.4 | 9.0 | 7.7 |
| 2,000 CDD or More and -- | | | | | | | |
| Fewer than 4,000 HDD | 9.5 | 10.1 | 8.8 | 12.5 | 12.9 | 11.7 | 20.4 |
| Number of Floors | | | | | | | |
| One | 5.1 | 5.2 | 4.1 | 4.4 | 5.5 | 5.2 | 3.7 |
| Two | 4.6 | 5.1 | 4.5 | 8.0 | 8.4 | 7.2 | 6.5 |
| Three | 7.2 | 7.1 | 6.6 | 8.6 | 9.4 | 8.4 | 9.4 |
| Four to Nine | 11.1 | 9.7 | 6.9 | 11.8 | 10.0 | 10.3 | 20.2 |
| Ten or More | 13.8 | 15.0 | 7.9 | 19.7 | 17.1 | 15.3 | 17.0 |
| Elevators and Escalators (more than one may apply) | | | | | | | |
| Any Elevators | 4.9 | 5.3 | 4.9 | 7.5 | 7.3 | 5.9 | 10.4 |
| Number of Elevators | | | | | | | |
| One | 6.8 | 6.2 | 5.5 | 8.7 | 8.2 | 6.8 | 7.5 |
| Two to Five | 7.6 | 7.9 | 4.6 | 9.2 | 8.7 | 8.7 | 19.6 |
| Six or More | 13.1 | 13.5 | 9.2 | 17.0 | 15.8 | 12.4 | 13.9 |
| Any Escalators | 19.1 | 18.1 | 22.6 | 33.2 | 34.9 | 23.9 | 27.0 |
| Number of Workers (main shift) | | | | | | | |
| Fewer than 5 | 5.9 | 6.7 | 4.9 | 5.6 | 6.0 | 6.4 | 5.9 |
| 5 to 9 | 6.0 | 5.9 | 4.6 | 8.4 | 7.5 | 7.2 | 7.3 |
| 10 to 19 | 5.4 | 7.1 | 6.9 | 7.6 | 6.7 | 9.4 | 6.8 |
| 20 to 49 | 6.2 | 7.6 | 4.8 | 10.4 | 8.4 | 8.2 | 8.3 |
| 50 to 99 | 8.0 | 7.7 | 6.2 | 8.4 | 6.8 | 6.6 | 6.5 |
| 100 to 249 | 8.9 | 7.9 | 5.9 | 10.0 | 8.7 | 9.0 | 8.6 |
| 250 or More | 8.6 | 9.5 | 6.5 | 13.1 | 12.0 | 9.2 | 16.6 |
| Weekly Operating Hours | | | | | | | |
| Fewer than 40 | 8.1 | 8.6 | 6.7 | 9.7 | 8.8 | 8.6 | 13.6 |
| 40 to 48 | 5.6 | 6.0 | 5.9 | 7.6 | 8.4 | 7.7 | 6.0 |
| 49 to 60 | 4.7 | 6.4 | 5.8 | 8.2 | 7.9 | 7.2 | 6.7 |
| 61 to 84 | 5.1 | 5.9 | 6.5 | 6.7 | 7.3 | 7.0 | 6.4 |
| 85 to 167 | 6.9 | 7.6 | 7.1 | 7.3 | 8.2 | 7.4 | 25.5 |
| Open Continuously | 10.8 | 5.3 | 10.6 | 10.2 | 14.5 | 8.4 | 8.8 |
| Ownership and Occupancy | | | | | | | |
| Nongovernment Owned | 4.2 | 3.4 | 4.5 | 4.7 | 6.7 | 4.8 | 4.1 |
| Owner Occupied | 5.5 | 4.6 | 5.2 | 6.1 | 7.2 | 5.3 | 5.3 |
| Nonowner Occupied | 5.8 | 4.7 | 5.5 | 6.9 | 8.8 | 6.7 | 6.2 |
| Unoccupied | 11.2 | 18.8 | 17.3 | 33.3 | 34.1 | 26.5 | 0.0 |
| Government Owned | 7.0 | 5.8 | 6.6 | 7.6 | 9.7 | 8.3 | 16.4 |
| Federal | 31.6 | 29.5 | 31.8 | 30.3 | 38.0 | 30.4 | 27.7 |
| State | 16.3 | 13.5 | 14.1 | 15.4 | 18.2 | 15.9 | 33.7 |
| Local | 7.4 | 6.7 | 5.6 | 8.8 | 8.8 | 7.4 | 8.1 |
| Vacancy Status | | | | | | | |
| Completely Vacant | 10.6 | 17.8 | 16.4 | 33.7 | 33.3 | 28.7 | 0.0 |
| Mostly Vacant | 32.2 | 32.9 | 28.2 | 43.3 | 44.8 | 38.3 | 34.0 |
| Partially Vacant | 5.9 | 6.4 | 7.4 | 9.5 | 10.8 | 7.3 | 8.5 |
| Not At All Vacant | 4.2 | 3.3 | 4.2 | 4.6 | 6.4 | 4.8 | 6.7 |

RSEs for Table C3. Consumption and Gross Energy Intensity for Sum of Major Fuels for Non-Mall Buildings, 2003

| | RSEs for All Buildings* | | | RSEs for Sum of Major Fuel Consumption | | | |
|---|-------------------------|------------|-------------------------|--|--------------|-----------------|------------|
| | Number of Buildings | Floorspace | Floorspace per Building | Total | per Building | per Square Foot | per Worker |
| All Buildings* | 3.9 | 3.1 | 4.1 | 4.2 | 6.1 | 4.3 | 5.6 |
| Number of Establishments | | | | | | | |
| One | 4.4 | 3.7 | 4.5 | 4.3 | 6.6 | 4.8 | 4.5 |
| 2 to 5 | 5.8 | 5.9 | 5.4 | 8.3 | 7.6 | 7.5 | 7.7 |
| 6 to 10 | 14.4 | 13.5 | 13.3 | 16.4 | 20.1 | 16.6 | 37.5 |
| 11 to 20 | 19.0 | 16.7 | 23.2 | 23.8 | 30.7 | 21.7 | 16.7 |
| More than 20 | 24.4 | 14.3 | 26.9 | 24.2 | 35.7 | 17.8 | 19.4 |
| Currently Unoccupied | 10.6 | 17.8 | 16.4 | 33.7 | 33.3 | 28.7 | 0.0 |
| Predominant Exterior Wall Material | | | | | | | |
| Brick, Stone or Stucco | 4.4 | 4.4 | 4.6 | 4.3 | 4.7 | 4.8 | 4.3 |
| Concrete (Block or Poured) | 7.1 | 6.2 | 6.0 | 9.5 | 10.5 | 8.1 | 8.6 |
| Concrete Panels | 8.3 | 10.6 | 10.9 | 20.2 | 20.1 | 15.6 | 28.8 |
| Siding or Shingles | 9.5 | 9.7 | 7.0 | 11.9 | 10.8 | 10.6 | 7.6 |
| Metal Panels | 9.2 | 8.1 | 7.1 | 15.4 | 15.2 | 14.1 | 10.7 |
| Window Glass | 25.8 | 18.0 | 26.3 | 28.3 | 34.2 | 22.6 | 22.7 |
| Other | 21.1 | 17.8 | 23.1 | 28.8 | 35.0 | 20.6 | 27.9 |
| No One Major Type | 33.5 | 23.1 | 32.2 | 45.6 | 50.4 | 38.2 | 29.6 |
| Predominant Roof Material | | | | | | | |
| Built-Up | 4.9 | 4.5 | 4.6 | 7.6 | 8.6 | 6.4 | 6.9 |
| Shingles (Not Wood) | 5.5 | 4.9 | 5.1 | 8.0 | 8.7 | 8.0 | 6.5 |
| Metal Surfacing | 7.9 | 8.2 | 6.4 | 9.0 | 8.2 | 8.4 | 7.1 |
| Synthetic or Rubber | 5.2 | 5.6 | 5.9 | 7.6 | 8.9 | 6.8 | 15.3 |
| Slate or Tile | 12.1 | 10.8 | 10.3 | 12.4 | 15.3 | 12.8 | 13.1 |
| Wooden Materials | 16.4 | 16.0 | 12.3 | 19.5 | 19.2 | 16.7 | 12.9 |
| Concrete | 20.3 | 36.7 | 34.9 | 31.0 | 29.4 | 52.2 | 27.1 |
| Other | 27.2 | 34.0 | 36.3 | 27.0 | 33.7 | 46.6 | 50.5 |
| No One Major Type | 30.2 | 27.7 | 25.4 | 29.4 | 29.7 | 20.5 | 33.2 |
| Renovations in Buildings Constructed Before 1980 (more than one may apply) | | | | | | | |
| Any Type of Renovation | | | | | | | |
| Since 1980 | 6.2 | 5.4 | 5.6 | 5.9 | 7.0 | 5.0 | 5.5 |
| Addition or Annex | 9.6 | 8.9 | 10.2 | 10.0 | 11.1 | 8.2 | 8.7 |
| Reduction In Floorspace | 24.1 | 21.9 | 22.4 | 26.7 | 21.8 | 16.1 | 19.2 |
| Cosmetic Improvements | 6.6 | 5.7 | 5.8 | 6.2 | 6.9 | 5.9 | 6.2 |
| Wall or Roof Replacement | 10.9 | 7.2 | 10.2 | 10.0 | 12.3 | 8.2 | 8.3 |
| Interior Wall | | | | | | | |
| Re-Configuration | 8.5 | 6.4 | 8.6 | 7.6 | 9.8 | 6.3 | 7.1 |
| HVAC Equipment Upgrade | 7.4 | 5.8 | 6.5 | 7.6 | 8.7 | 6.1 | 7.2 |
| Lighting Upgrade | 7.2 | 6.6 | 6.7 | 6.5 | 7.4 | 5.7 | 6.5 |
| Window Replacement | 9.1 | 7.2 | 9.2 | 9.2 | 11.0 | 10.2 | 8.9 |
| Plumbing System Upgrade | 8.3 | 7.9 | 8.3 | 9.8 | 11.4 | 8.9 | 8.7 |
| Insulation Upgrade | 12.3 | 10.1 | 10.8 | 11.5 | 13.1 | 9.6 | 11.4 |
| Other Renovation | 30.6 | 24.1 | 27.7 | 29.9 | 37.1 | 29.1 | 41.5 |
| No Renovations Since 1980 | 4.8 | 6.0 | 5.9 | 8.4 | 9.4 | 8.0 | 6.8 |
| Building Newer than 1980 | 5.8 | 5.1 | 5.0 | 6.7 | 8.0 | 6.3 | 10.7 |

RSEs for Table C3. Consumption and Gross Energy Intensity for Sum of Major Fuels for Non-Mall Buildings, 2003

| | RSEs for All Buildings* | | | RSEs for Sum of Major Fuel Consumption | | | |
|---|-------------------------|------------|-------------------------|--|--------------|-----------------|------------|
| | Number of Buildings | Floorspace | Floorspace per Building | Total | per Building | per Square Foot | per Worker |
| All Buildings* | 3.9 | 3.1 | 4.1 | 4.2 | 6.1 | 4.3 | 5.6 |
| Energy Sources (more than one may apply) | | | | | | | |
| Electricity | 3.9 | 3.7 | 4.6 | 4.2 | 5.8 | 4.0 | 6.8 |
| Natural Gas | 5.3 | 4.7 | 4.5 | 5.3 | 5.7 | 4.1 | 4.0 |
| Fuel Oil | 12.7 | 8.5 | 12.1 | 9.3 | 13.1 | 6.5 | 8.7 |
| District Heat | 12.4 | 13.4 | 12.0 | 18.9 | 20.2 | 19.5 | 29.6 |
| District Chilled Water | 13.0 | 11.5 | 12.9 | 21.5 | 22.6 | 21.6 | 38.5 |
| Propane | 16.3 | 13.3 | 13.6 | 14.4 | 18.5 | 12.2 | 11.4 |
| Other | 13.7 | 13.5 | 15.0 | 25.0 | 24.7 | 16.8 | 22.3 |
| Space-Heating Energy Sources (more than one may apply) | | | | | | | |
| Electricity | 6.6 | 4.6 | 5.3 | 6.6 | 9.6 | 6.3 | 6.1 |
| Natural Gas | 5.5 | 4.8 | 4.0 | 5.6 | 6.4 | 4.2 | 4.7 |
| Fuel Oil | 12.5 | 17.3 | 14.1 | 12.6 | 9.7 | 18.9 | 14.0 |
| District Heat | 12.4 | 13.9 | 12.4 | 18.9 | 20.1 | 19.7 | 30.1 |
| Propane | 19.9 | 15.8 | 14.3 | 21.7 | 18.7 | 18.9 | 16.0 |
| Other | 16.1 | 19.3 | 14.1 | 35.3 | 34.0 | 24.5 | 26.1 |
| Primary Space-Heating Energy Source | | | | | | | |
| Electricity | 8.1 | 7.4 | 5.1 | 6.7 | 8.1 | 6.3 | 5.4 |
| Natural Gas | 5.7 | 4.9 | 4.1 | 5.8 | 6.5 | 4.3 | 4.8 |
| Fuel Oil | 16.0 | 24.5 | 18.2 | 18.9 | 11.5 | 26.7 | 16.5 |
| District Heat | 12.8 | 14.4 | 12.5 | 19.5 | 20.8 | 20.5 | 30.8 |
| Propane | 22.0 | 18.4 | 12.7 | 30.7 | 24.8 | 24.3 | 8.9 |
| Other | 20.4 | 21.6 | 16.6 | 38.6 | 38.4 | 27.4 | 28.6 |
| Cooling Energy Sources (more than one may apply) | | | | | | | |
| Electricity | 3.2 | 3.1 | 3.9 | 4.5 | 5.9 | 4.0 | 3.7 |
| Natural Gas | 26.9 | 19.5 | 27.9 | 25.5 | 32.5 | 24.7 | 24.7 |
| District Chilled Water | 13.0 | 11.5 | 12.9 | 21.5 | 22.6 | 21.6 | 38.5 |
| Water-Heating Energy Sources (more than one may apply) | | | | | | | |
| Electricity | 5.9 | 4.8 | 5.1 | 5.8 | 8.1 | 6.2 | 4.9 |
| Natural Gas | 5.2 | 5.0 | 4.6 | 6.2 | 7.1 | 4.9 | 10.0 |
| Fuel Oil | 17.9 | 21.0 | 23.8 | 20.5 | 16.7 | 30.1 | 19.0 |
| District Heat | 22.6 | 14.2 | 18.1 | 20.4 | 25.9 | 17.6 | 16.7 |
| Propane | 22.3 | 18.5 | 15.4 | 28.0 | 23.5 | 21.6 | 11.8 |
| Cooking Energy Sources (more than one may apply) | | | | | | | |
| Electricity | 7.2 | 6.2 | 7.7 | 10.1 | 11.1 | 8.1 | 8.1 |
| Natural Gas | 6.5 | 7.2 | 7.1 | 8.8 | 9.4 | 7.8 | 7.7 |
| Propane | 19.3 | 15.6 | 13.5 | 22.2 | 18.9 | 17.8 | 11.1 |
| Energy End Uses (more than one may apply) | | | | | | | |
| Buildings with Space Heating | 3.5 | 3.1 | 4.1 | 4.2 | 5.8 | 4.2 | 5.7 |
| Buildings with Cooling | 3.2 | 3.0 | 3.9 | 4.4 | 5.8 | 4.1 | 5.8 |
| Buildings with Water Heating | 3.2 | 2.9 | 4.0 | 4.2 | 5.7 | 4.0 | 5.7 |
| Buildings with Cooking | 5.7 | 5.9 | 6.3 | 7.5 | 8.9 | 6.6 | 6.7 |
| Buildings with Manufacturing | 12.1 | 14.1 | 14.1 | 20.3 | 23.3 | 17.5 | 17.2 |
| Buildings with Electricity Generation | 7.6 | 6.6 | 8.6 | 9.1 | 10.2 | 7.7 | 9.5 |

RSEs for Table C3. Consumption and Gross Energy Intensity for Sum of Major Fuels for Non-Mall Buildings, 2003

| | RSEs for All Buildings* | | | RSEs for Sum of Major Fuel Consumption | | | |
|--|-------------------------|------------|-------------------------|--|--------------|-----------------|------------|
| | Number of Buildings | Floorspace | Floorspace per Building | Total | per Building | per Square Foot | per Worker |
| All Buildings* | 3.9 | 3.1 | 4.1 | 4.2 | 6.1 | 4.3 | 5.6 |
| Percent of Floorspace Heated | | | | | | | |
| Not Heated | 8.4 | 8.9 | 7.4 | 22.0 | 21.7 | 19.8 | 17.2 |
| 1 to 50 | 8.0 | 10.4 | 8.1 | 15.9 | 15.8 | 14.0 | 12.5 |
| 51 to 99 | 7.0 | 7.2 | 7.9 | 8.8 | 10.3 | 6.5 | 7.9 |
| 100 | 3.8 | 4.1 | 4.4 | 4.8 | 6.0 | 4.9 | 6.7 |
| Percent of Floorspace Cooled | | | | | | | |
| Not Cooled | 8.6 | 11.2 | 8.0 | 14.8 | 12.9 | 13.1 | 14.0 |
| 1 to 50 | 5.7 | 7.1 | 5.6 | 10.3 | 10.2 | 8.5 | 7.9 |
| 51 to 99 | 6.9 | 5.9 | 7.5 | 7.0 | 8.8 | 5.8 | 5.9 |
| 100 | 3.7 | 4.1 | 4.3 | 6.2 | 6.9 | 5.2 | 9.3 |
| Percent Lit When Open | | | | | | | |
| Zero | 33.5 | 27.8 | 23.3 | 32.7 | 28.1 | 22.1 | 55.7 |
| 1 to 50 | 6.4 | 7.0 | 6.3 | 8.1 | 10.2 | 9.3 | 8.6 |
| 51 to 99 | 5.1 | 4.1 | 4.9 | 6.0 | 6.9 | 4.7 | 12.1 |
| 100 | 3.8 | 4.1 | 4.8 | 6.1 | 7.2 | 6.2 | 5.3 |
| Building Never Open/ Electricity Not Used | 10.9 | 13.0 | 11.7 | 27.3 | 28.5 | 24.3 | 35.6 |
| Percent Lit When Closed | | | | | | | |
| Zero | 5.2 | 5.5 | 4.9 | 5.4 | 6.4 | 6.4 | 16.0 |
| 1 to 50 | 3.6 | 3.7 | 4.4 | 5.3 | 6.0 | 5.2 | 4.5 |
| 51 to 100 | 9.6 | 12.4 | 13.1 | 18.8 | 17.7 | 17.7 | 20.9 |
| Building Never Closed/ Electricity Not Used | 8.9 | 5.0 | 8.7 | 10.2 | 13.3 | 8.8 | 8.8 |
| Heating Equipment (more than one may apply) | | | | | | | |
| Heat Pumps | 13.2 | 7.6 | 10.2 | 14.0 | 18.0 | 12.2 | 11.7 |
| Packaged Heat Pumps | 10.7 | 7.6 | 11.9 | 19.4 | 21.5 | 15.9 | 17.6 |
| Split-System Heat Pumps | 21.5 | 15.9 | 13.3 | 23.7 | 30.6 | 22.8 | 17.4 |
| Individual Room Heat Pumps | 14.9 | 11.8 | 13.8 | 18.3 | 17.9 | 15.5 | 16.4 |
| Furnaces | 5.4 | 5.1 | 4.2 | 5.9 | 6.5 | 4.9 | 5.5 |
| Individual Space Heaters | 9.3 | 5.9 | 8.1 | 9.0 | 12.7 | 7.9 | 8.0 |
| District Heat | 12.5 | 14.0 | 12.5 | 18.9 | 20.1 | 19.6 | 30.3 |
| Boilers | 6.8 | 7.1 | 5.9 | 7.8 | 8.0 | 6.9 | 6.3 |
| Packaged Heating Units | 6.2 | 4.4 | 4.9 | 5.9 | 6.6 | 4.8 | 5.4 |
| Other | 10.3 | 11.5 | 12.7 | 13.5 | 14.7 | 9.5 | 9.7 |
| Cooling Equipment (more than one may apply) | | | | | | | |
| Residential-Type Central | | | | | | | |
| Air Conditioners | 5.9 | 6.7 | 7.2 | 10.3 | 10.7 | 9.7 | 7.9 |
| Heat Pumps | 12.2 | 8.1 | 8.5 | 13.7 | 17.1 | 12.6 | 12.0 |
| Packaged Heat Pumps | 9.8 | 8.1 | 10.9 | 19.3 | 20.8 | 16.0 | 18.1 |
| Split-System Heat Pumps | 20.8 | 15.8 | 11.8 | 23.8 | 28.5 | 21.9 | 16.9 |
| Individual Room Heat Pumps | 14.8 | 12.6 | 12.7 | 17.7 | 18.2 | 15.4 | 15.8 |
| Individual Air Conditioners | 6.5 | 6.8 | 7.0 | 7.2 | 8.9 | 7.8 | 7.5 |
| District Chilled Water | 13.0 | 11.5 | 12.9 | 21.5 | 22.6 | 21.6 | 38.5 |
| Central Chillers | 10.0 | 8.4 | 9.1 | 10.4 | 11.8 | 7.2 | 8.4 |
| Packaged Air Conditioning | | | | | | | |
| Units | 4.5 | 4.5 | 4.6 | 4.5 | 5.2 | 4.8 | 4.3 |
| Swamp Coolers | 19.4 | 15.1 | 12.4 | 16.1 | 18.2 | 10.2 | 14.5 |
| Other | 24.6 | 20.1 | 18.2 | 18.1 | 17.3 | 19.7 | 25.0 |

RSEs for Table C3. Consumption and Gross Energy Intensity for Sum of Major Fuels for Non-Mall Buildings, 2003

| | RSEs for All Buildings* | | | RSEs for Sum of Major Fuel Consumption | | | |
|--|-------------------------|------------|-------------------------|--|--------------|-----------------|------------|
| | Number of Buildings | Floorspace | Floorspace per Building | Total | per Building | per Square Foot | per Worker |
| All Buildings* | 3.9 | 3.1 | 4.1 | 4.2 | 6.1 | 4.3 | 5.6 |
| Main Equipment Replaced Since 1990 (more than one may apply) | | | | | | | |
| Heating | 5.4 | 5.3 | 5.2 | 8.9 | 9.1 | 7.6 | 7.3 |
| Cooling | 5.1 | 5.2 | 5.1 | 7.8 | 8.9 | 6.2 | 6.1 |
| Water Heating Equipment | | | | | | | |
| Centralized System | 3.6 | 3.2 | 4.4 | 4.4 | 5.8 | 4.2 | 3.3 |
| Distributed System | 8.4 | 7.9 | 6.9 | 9.9 | 9.2 | 8.6 | 8.0 |
| Combination of Centralized and Distributed System | 8.8 | 5.8 | 9.5 | 10.4 | 14.4 | 8.7 | 19.3 |
| Lighting Equipment Types (more than one may apply) | | | | | | | |
| Incandescent | 3.9 | 3.9 | 5.5 | 5.4 | 7.2 | 5.3 | 8.0 |
| Standard Fluorescent | 3.3 | 3.1 | 4.0 | 4.2 | 5.7 | 4.3 | 5.7 |
| Compact Fluorescent | 4.2 | 4.6 | 5.5 | 6.3 | 6.6 | 5.2 | 5.2 |
| High Intensity Discharge | 5.6 | 4.8 | 6.5 | 5.7 | 6.6 | 5.2 | 12.3 |
| Halogen | 6.6 | 5.2 | 7.3 | 7.4 | 8.1 | 5.9 | 6.2 |
| Other | 45.4 | 32.8 | 35.9 | 33.8 | 37.0 | 20.9 | 30.8 |
| Refrigeration Equipment (more than one may apply)^a | | | | | | | |
| Any Refrigeration..... | 3.7 | 3.0 | 4.2 | 4.5 | 6.1 | 4.1 | 6.0 |
| Commercial Refrigeration | 4.6 | 4.7 | 4.9 | 6.5 | 7.5 | 5.7 | 6.2 |
| Walk-In Units | 4.3 | 5.6 | 6.6 | 7.1 | 8.3 | 6.9 | 6.8 |
| Cases or Cabinets | 5.4 | 4.8 | 5.3 | 7.0 | 7.8 | 5.4 | 6.6 |
| Residential-Type Units | 4.9 | 3.4 | 5.1 | 5.0 | 6.1 | 4.5 | 7.6 |
| Vending Machines | 4.4 | 3.8 | 4.5 | 5.3 | 6.3 | 4.5 | 8.2 |
| No Refrigeration | 5.8 | 6.9 | 6.2 | 8.9 | 9.2 | 9.1 | 10.3 |
| Office Equipment (more than one may apply) | | | | | | | |
| Computers | 3.2 | 3.0 | 4.0 | 4.6 | 5.5 | 4.3 | 5.9 |
| With Flat Screen Monitors | 5.9 | 4.8 | 6.3 | 6.8 | 7.6 | 5.1 | 8.8 |
| Dedicated Servers | 3.4 | 3.8 | 3.7 | 6.0 | 6.0 | 5.0 | 7.6 |
| Laser Printers | 3.7 | 3.5 | 4.2 | 5.8 | 6.9 | 5.5 | 9.4 |
| Inkjet Printers | 4.5 | 4.2 | 4.9 | 6.3 | 6.4 | 4.7 | 4.8 |
| FAX Machines | 3.2 | 3.3 | 4.1 | 4.7 | 5.5 | 4.2 | 5.9 |
| Photocopiers | 3.6 | 3.6 | 4.3 | 5.1 | 5.4 | 4.5 | 6.5 |
| Number of Computers | | | | | | | |
| None | 7.3 | 7.9 | 5.6 | 8.7 | 7.4 | 9.4 | 16.1 |
| 1 to 4 | 4.9 | 5.6 | 5.3 | 6.0 | 5.9 | 6.7 | 4.9 |
| 5 to 9 | 5.9 | 6.5 | 6.3 | 10.4 | 10.1 | 9.4 | 10.0 |
| 10 to 19 | 8.2 | 8.1 | 7.5 | 10.4 | 8.1 | 7.1 | 6.9 |
| 20 to 49 | 7.9 | 8.0 | 7.5 | 9.9 | 9.4 | 8.8 | 8.0 |
| 50 to 99 | 7.3 | 9.8 | 9.3 | 9.3 | 9.4 | 11.0 | 9.2 |
| 100 to 249 | 7.9 | 7.3 | 5.5 | 10.2 | 9.5 | 7.8 | 8.5 |
| 250 or More | 8.5 | 9.0 | 6.1 | 12.3 | 11.8 | 9.9 | 16.9 |
| Number of Dedicated Servers | | | | | | | |
| None | 5.0 | 4.6 | 4.2 | 4.3 | 5.3 | 5.4 | 4.4 |
| 1 to 4 | 3.4 | 4.6 | 4.0 | 5.4 | 5.2 | 5.3 | 5.0 |
| 5 to 9 | 12.7 | 12.0 | 14.2 | 20.8 | 20.5 | 15.9 | 13.9 |
| 10 to 19 | 18.6 | 11.2 | 21.1 | 14.3 | 22.9 | 15.5 | 31.6 |
| 20 to 49 | 16.7 | 16.2 | 16.4 | 18.4 | 22.6 | 15.7 | 14.1 |
| 50 or More | 30.4 | 19.2 | 25.8 | 23.8 | 31.6 | 19.9 | 23.8 |

RSEs for Table C3. Consumption and Gross Energy Intensity for Sum of Major Fuels for Non-Mall Buildings, 2003

| | RSEs for All Buildings* | | | RSEs for Sum of Major Fuel Consumption | | | |
|--|-------------------------|------------|-------------------------|--|--------------|-----------------|------------|
| | Number of Buildings | Floorspace | Floorspace per Building | Total | per Building | per Square Foot | per Worker |
| All Buildings* | 3.9 | 3.1 | 4.1 | 4.2 | 6.1 | 4.3 | 5.6 |
| Number of Photocopiers | | | | | | | |
| None | 5.8 | 5.8 | 4.2 | 5.8 | 7.0 | 7.1 | 6.0 |
| One | 4.7 | 5.3 | 5.2 | 6.1 | 5.7 | 5.6 | 5.3 |
| 2 to 4 | 4.9 | 5.6 | 4.9 | 6.9 | 6.4 | 5.6 | 5.5 |
| 5 to 9 | 9.7 | 9.0 | 10.0 | 13.0 | 14.3 | 13.3 | 27.3 |
| 10 or More | 8.3 | 8.4 | 8.9 | 12.0 | 13.3 | 9.0 | 10.2 |
| Energy-Related Space Functions (more than one may apply) | | | | | | | |
| Commercial Food Preparation | 5.7 | 5.9 | 6.3 | 7.5 | 8.9 | 6.6 | 6.7 |
| Activities with Large Amounts of Hot Water | 5.4 | 5.6 | 6.6 | 7.8 | 9.6 | 7.7 | 7.4 |
| Separate Computer Area | 5.8 | 4.7 | 6.2 | 7.3 | 8.3 | 5.6 | 5.8 |
| HVAC Conservation Features (more than one may apply) | | | | | | | |
| Variable Air-Volume System | 6.9 | 5.4 | 6.5 | 7.9 | 9.8 | 6.1 | 11.6 |
| Economizer Cycle | 6.1 | 5.1 | 6.6 | 6.8 | 8.5 | 5.3 | 11.1 |
| HVAC Maintenance | 3.9 | 3.8 | 4.2 | 4.8 | 5.4 | 4.5 | 6.4 |
| Energy Management and Control System (EMCS) | 9.3 | 5.5 | 8.9 | 8.7 | 11.2 | 6.8 | 7.7 |
| Window and Interior Lighting Features (more than one may apply) | | | | | | | |
| Multipaned Windows | 4.4 | 3.7 | 4.6 | 5.0 | 6.2 | 4.6 | 4.5 |
| Tinted Window Glass | 3.9 | 4.2 | 5.3 | 6.0 | 7.9 | 6.1 | 9.5 |
| Reflective Window Glass | 8.6 | 5.7 | 9.1 | 10.4 | 14.1 | 9.1 | 8.9 |
| External Overhangs or Awnings | 6.7 | 5.5 | 6.0 | 8.8 | 9.9 | 7.4 | 14.6 |
| Skylights or Atriums | 6.2 | 6.0 | 6.7 | 9.6 | 8.8 | 7.9 | 8.8 |
| Daylighting Sensors | 16.4 | 11.3 | 17.7 | 21.1 | 23.9 | 17.5 | 20.1 |
| Specular Reflectors | 5.1 | 4.9 | 5.8 | 7.2 | 7.7 | 5.9 | 6.2 |
| Electronic Ballasts | 5.2 | 3.6 | 5.3 | 4.9 | 6.9 | 4.8 | 7.0 |
| Energy Management and Control System (EMCS) For Lighting | 20.6 | 10.6 | 20.8 | 12.5 | 20.6 | 10.4 | 11.7 |
| Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^a | | | | | | | |
| Heating | 4.2 | 3.3 | 4.5 | 4.6 | 6.4 | 4.5 | 4.5 |
| Cooling | 4.1 | 3.4 | 4.5 | 4.7 | 6.3 | 4.4 | 7.1 |
| Lighting | 3.6 | 3.5 | 4.0 | 4.0 | 5.2 | 4.3 | 6.7 |
| Office Equipment | 5.0 | 5.0 | 5.2 | 6.3 | 6.1 | 6.1 | 5.5 |

X=No cases in the responding sample reported their consumption for the particular fuel, so relative standard error could not be calculated.

RSEs for Table C4. Expenditures for Sum of Major Fuels for Non-Mall Buildings, 2003

| | RSEs for All Buildings* | | | RSEs for Sum of Major Fuel Expenditures | | | |
|--|-------------------------|------------|-------------------------|---|--------------|-----------------|-----------------|
| | Number of Buildings | Floorspace | Floorspace per Building | Total | per Building | per Square Foot | per Million Btu |
| All Buildings* | 3.9 | 3.1 | 4.1 | 4.2 | 6.1 | 4.8 | 2.5 |
| Building Floorspace (Square Feet) | | | | | | | |
| 1,001 to 5,000 | 5.7 | 5.6 | 1.3 | 5.9 | 5.9 | 5.7 | 3.8 |
| 5,001 to 10,000 | 5.8 | 5.6 | 0.9 | 9.4 | 8.9 | 8.9 | 7.4 |
| 10,001 to 25,000 | 5.0 | 5.0 | 1.0 | 6.7 | 7.9 | 7.8 | 4.3 |
| 25,001 to 50,000 | 5.6 | 5.8 | 1.1 | 8.4 | 6.4 | 6.6 | 6.2 |
| 50,001 to 100,000 | 6.3 | 6.3 | 1.0 | 9.3 | 9.2 | 9.4 | 6.2 |
| 100,001 to 200,000 | 10.7 | 10.8 | 1.6 | 12.3 | 11.4 | 11.5 | 6.6 |
| 200,001 to 500,000 | 10.0 | 10.4 | 1.8 | 13.3 | 16.5 | 16.2 | 9.5 |
| Over 500,000 | 13.2 | 13.1 | 3.8 | 23.0 | 17.6 | 16.6 | 11.7 |
| Principal Building Activity | | | | | | | |
| Education | 7.1 | 6.0 | 5.4 | 8.2 | 7.0 | 6.5 | 5.6 |
| Food Sales | 9.3 | 9.4 | 7.5 | 12.1 | 10.3 | 9.5 | 9.8 |
| Food Service | 7.4 | 9.0 | 6.5 | 11.6 | 10.8 | 11.8 | 8.2 |
| Health Care | 10.0 | 6.9 | 11.4 | 9.2 | 11.3 | 9.0 | 8.4 |
| Inpatient | 21.2 | 11.6 | 14.7 | 11.8 | 26.0 | 14.1 | 10.4 |
| Outpatient | 11.0 | 9.7 | 8.4 | 13.5 | 11.6 | 10.2 | 9.7 |
| Lodging | 11.5 | 9.2 | 12.7 | 18.7 | 22.2 | 18.8 | 4.7 |
| Retail (Other Than Mall) | 7.5 | 8.0 | 7.3 | 13.4 | 12.7 | 9.8 | 8.0 |
| Office | 5.5 | 6.5 | 7.5 | 9.5 | 10.1 | 6.5 | 5.0 |
| Public Assembly | 8.4 | 10.9 | 10.0 | 19.7 | 21.0 | 21.5 | 12.3 |
| Public Order and Safety | 18.3 | 18.8 | 20.7 | 18.0 | 16.8 | 22.8 | 7.7 |
| Religious Worship | 8.7 | 7.9 | 6.3 | 9.4 | 7.5 | 4.9 | 5.0 |
| Service | 8.6 | 9.7 | 8.6 | 10.9 | 11.1 | 9.2 | 15.2 |
| Warehouse and Storage | 8.5 | 10.5 | 9.4 | 12.8 | 14.1 | 11.1 | 7.3 |
| Other | 15.1 | 21.7 | 21.3 | 28.7 | 30.5 | 29.9 | 18.7 |
| Vacant | 10.5 | 16.1 | 14.4 | 29.1 | 28.2 | 27.1 | 11.3 |
| Year Constructed | | | | | | | |
| Before 1920 | 9.7 | 12.3 | 11.3 | 14.3 | 12.7 | 11.1 | 5.5 |
| 1920 to 1945 | 7.6 | 11.3 | 10.8 | 9.8 | 10.1 | 10.5 | 8.7 |
| 1946 to 1959 | 8.0 | 7.8 | 7.5 | 13.5 | 14.4 | 13.3 | 7.3 |
| 1960 to 1969 | 7.1 | 6.8 | 5.9 | 10.3 | 10.2 | 9.1 | 7.8 |
| 1970 to 1979 | 7.1 | 7.0 | 7.8 | 9.6 | 10.3 | 8.1 | 6.8 |
| 1980 to 1989 | 6.0 | 6.4 | 7.6 | 10.4 | 11.4 | 9.3 | 6.1 |
| 1990 to 1999 | 7.5 | 6.6 | 5.8 | 9.1 | 10.1 | 8.6 | 5.2 |
| 2000 to 2003 | 10.1 | 8.4 | 8.5 | 12.6 | 13.2 | 11.5 | 5.1 |
| Census Region and Division | | | | | | | |
| Northeast | 10.0 | 9.6 | 7.9 | 10.6 | 11.1 | 14.4 | 6.1 |
| New England | 23.1 | 23.9 | 8.0 | 24.4 | 23.1 | 23.8 | 17.5 |
| Middle Atlantic | 11.1 | 10.5 | 10.1 | 12.3 | 12.1 | 17.8 | 5.5 |
| Midwest | 9.2 | 7.1 | 8.9 | 6.6 | 10.6 | 7.3 | 4.5 |
| East North Central | 12.0 | 9.9 | 10.4 | 8.9 | 12.5 | 10.2 | 6.0 |
| West North Central | 16.6 | 10.2 | 12.6 | 10.0 | 16.4 | 6.1 | 6.8 |
| South | 7.7 | 4.6 | 7.0 | 5.4 | 10.0 | 6.9 | 4.7 |
| South Atlantic | 11.9 | 5.0 | 9.6 | 6.9 | 12.9 | 8.7 | 7.8 |
| East South Central | 24.4 | 11.1 | 16.3 | 11.9 | 32.9 | 18.8 | 8.1 |
| West South Central | 11.9 | 11.2 | 12.5 | 13.0 | 14.2 | 11.8 | 4.5 |
| West | 8.1 | 4.8 | 8.2 | 12.3 | 17.1 | 11.0 | 4.5 |
| Mountain | 15.3 | 8.5 | 17.3 | 21.9 | 32.3 | 19.7 | 7.5 |
| Pacific | 9.6 | 5.3 | 8.6 | 14.2 | 19.0 | 13.3 | 5.3 |

RSEs for Table C4. Expenditures for Sum of Major Fuels for Non-Mall Buildings, 2003

| | RSEs for All Buildings* | | | RSEs for Sum of Major Fuel Expenditures | | | |
|---|-------------------------|------------|-------------------------|---|--------------|-----------------|-----------------|
| | Number of Buildings | Floorspace | Floorspace per Building | Total | per Building | per Square Foot | per Million Btu |
| All Buildings* | 3.9 | 3.1 | 4.1 | 4.2 | 6.1 | 4.8 | 2.5 |
| Climate Zone: 30-Year Average | | | | | | | |
| Under 2,000 CDD and -- | | | | | | | |
| More than 7,000 HDD | 10.1 | 10.9 | 6.9 | 11.3 | 8.1 | 4.7 | 3.6 |
| 5,500-7,000 HDD | 12.2 | 9.1 | 8.2 | 11.6 | 13.7 | 10.9 | 5.3 |
| 4,000-5,499 HDD | 23.6 | 15.3 | 17.6 | 18.1 | 20.2 | 13.0 | 6.9 |
| Fewer than 4,000 HDD | 14.4 | 11.1 | 6.2 | 11.4 | 10.6 | 8.5 | 5.7 |
| 2,000 CDD or More and -- | | | | | | | |
| Fewer than 4,000 HDD | 9.5 | 10.1 | 8.8 | 12.1 | 13.8 | 12.6 | 4.6 |
| Number of Floors | | | | | | | |
| One | 5.1 | 5.2 | 4.1 | 4.2 | 5.4 | 5.0 | 2.9 |
| Two | 4.6 | 5.1 | 4.5 | 8.2 | 8.3 | 7.7 | 4.4 |
| Three | 7.2 | 7.1 | 6.6 | 9.5 | 10.0 | 9.5 | 6.4 |
| Four to Nine | 11.1 | 9.7 | 6.9 | 11.9 | 13.0 | 12.3 | 8.5 |
| Ten or More | 13.8 | 15.0 | 7.9 | 25.5 | 21.2 | 18.6 | 10.0 |
| Elevators and Escalators (more than one may apply) | | | | | | | |
| Any Elevators | 4.9 | 5.3 | 4.9 | 9.0 | 9.0 | 7.4 | 5.2 |
| Number of Elevators | | | | | | | |
| One | 6.8 | 6.2 | 5.5 | 10.1 | 9.1 | 8.1 | 7.6 |
| Two to Five | 7.6 | 7.9 | 4.6 | 11.3 | 9.8 | 10.5 | 6.4 |
| Six or More | 13.1 | 13.5 | 9.2 | 20.7 | 18.1 | 14.5 | 11.3 |
| Any Escalators | 19.1 | 18.1 | 22.6 | 33.3 | 36.6 | 24.1 | 21.9 |
| Number of Workers (main shift) | | | | | | | |
| Fewer than 5 | 5.9 | 6.7 | 4.9 | 5.3 | 5.3 | 5.9 | 3.3 |
| 5 to 9 | 6.0 | 5.9 | 4.6 | 7.1 | 6.0 | 7.0 | 5.5 |
| 10 to 19 | 5.4 | 7.1 | 6.9 | 8.1 | 6.7 | 9.9 | 4.9 |
| 20 to 49 | 6.2 | 7.6 | 4.8 | 9.3 | 7.0 | 7.4 | 5.7 |
| 50 to 99 | 8.0 | 7.7 | 6.2 | 8.8 | 7.2 | 7.3 | 4.3 |
| 100 to 249 | 8.9 | 7.9 | 5.9 | 13.7 | 10.7 | 12.9 | 8.8 |
| 250 or More | 8.6 | 9.5 | 6.5 | 14.8 | 13.0 | 10.4 | 8.3 |
| Weekly Operating Hours | | | | | | | |
| Fewer than 40 | 8.1 | 8.6 | 6.7 | 11.0 | 9.3 | 10.1 | 6.5 |
| 40 to 48 | 5.6 | 6.0 | 5.9 | 7.1 | 7.9 | 7.1 | 5.2 |
| 49 to 60 | 4.7 | 6.4 | 5.8 | 7.1 | 6.9 | 6.8 | 4.5 |
| 61 to 84 | 5.1 | 5.9 | 6.5 | 6.5 | 7.3 | 6.7 | 3.6 |
| 85 to 167 | 6.9 | 7.6 | 7.1 | 6.7 | 6.6 | 7.2 | 4.9 |
| Open Continuously | 10.8 | 5.3 | 10.6 | 11.7 | 14.8 | 10.9 | 7.1 |
| Ownership and Occupancy | | | | | | | |
| Nongovernment Owned | 4.2 | 3.4 | 4.5 | 5.0 | 6.7 | 5.4 | 2.6 |
| Owner Occupied | 5.5 | 4.6 | 5.2 | 6.8 | 7.5 | 6.3 | 4.3 |
| Nonowner Occupied | 5.8 | 4.7 | 5.5 | 6.4 | 8.3 | 6.2 | 3.0 |
| Unoccupied | 11.2 | 18.8 | 17.3 | 29.0 | 29.7 | 25.7 | 15.6 |
| Government Owned | 7.0 | 5.8 | 6.6 | 7.1 | 8.1 | 6.6 | 6.8 |
| Federal | 31.6 | 29.5 | 31.8 | 27.1 | 33.1 | 28.7 | 34.9 |
| State | 16.3 | 13.5 | 14.1 | 17.0 | 14.4 | 16.6 | 14.5 |
| Local | 7.4 | 6.7 | 5.6 | 8.5 | 8.4 | 6.6 | 4.2 |
| Vacancy Status | | | | | | | |
| Completely Vacant | 10.6 | 17.8 | 16.4 | 28.4 | 28.2 | 25.3 | 15.0 |
| Mostly Vacant | 32.2 | 32.9 | 28.2 | 49.3 | 51.5 | 45.5 | 21.9 |
| Partially Vacant | 5.9 | 6.4 | 7.4 | 11.5 | 12.8 | 8.9 | 7.2 |
| Not At All Vacant | 4.2 | 3.3 | 4.2 | 4.5 | 6.2 | 5.1 | 3.0 |

RSEs for Table C4. Expenditures for Sum of Major Fuels for Non-Mall Buildings, 2003

| | RSEs for All Buildings* | | | RSEs for Sum of Major Fuel Expenditures | | | |
|---|-------------------------|------------|-------------------------|---|--------------|-----------------|-----------------|
| | Number of Buildings | Floorspace | Floorspace per Building | Total | per Building | per Square Foot | per Million Btu |
| All Buildings* | 3.9 | 3.1 | 4.1 | 4.2 | 6.1 | 4.8 | 2.5 |
| Number of Establishments | | | | | | | |
| One | 4.4 | 3.7 | 4.5 | 4.5 | 6.4 | 5.4 | 2.8 |
| 2 to 5 | 5.8 | 5.9 | 5.4 | 8.8 | 8.3 | 8.1 | 6.2 |
| 6 to 10 | 14.4 | 13.5 | 13.3 | 13.5 | 16.6 | 12.7 | 12.1 |
| 11 to 20 | 19.0 | 16.7 | 23.2 | 21.1 | 28.9 | 20.9 | 14.6 |
| More than 20 | 24.4 | 14.3 | 26.9 | 28.8 | 38.6 | 21.1 | 12.3 |
| Currently Unoccupied | 10.6 | 17.8 | 16.4 | 28.4 | 28.2 | 25.3 | 15.0 |
| Predominant Exterior Wall Material | | | | | | | |
| Brick, Stone or Stucco | 4.4 | 4.4 | 4.6 | 4.8 | 4.9 | 5.6 | 3.0 |
| Concrete (Block or Poured) | 7.1 | 6.2 | 6.0 | 8.7 | 9.1 | 7.2 | 4.6 |
| Concrete Panels | 8.3 | 10.6 | 10.9 | 19.0 | 18.6 | 15.3 | 10.0 |
| Siding or Shingles | 9.5 | 9.7 | 7.0 | 13.5 | 13.8 | 13.8 | 8.3 |
| Metal Panels | 9.2 | 8.1 | 7.1 | 14.8 | 15.8 | 13.6 | 10.4 |
| Window Glass | 25.8 | 18.0 | 26.3 | 25.5 | 32.4 | 21.0 | 14.1 |
| Other | 21.1 | 17.8 | 23.1 | 26.5 | 33.2 | 16.2 | 17.6 |
| No One Major Type | 33.5 | 23.1 | 32.2 | 42.2 | 48.6 | 35.4 | 37.0 |
| Predominant Roof Material | | | | | | | |
| Built-Up | 4.9 | 4.5 | 4.6 | 7.8 | 8.5 | 6.9 | 3.5 |
| Shingles (Not Wood) | 5.5 | 4.9 | 5.1 | 9.2 | 9.8 | 9.4 | 6.4 |
| Metal Surfacing | 7.9 | 8.2 | 6.4 | 7.6 | 7.0 | 6.7 | 5.4 |
| Synthetic or Rubber | 5.2 | 5.6 | 5.9 | 6.9 | 7.4 | 6.4 | 5.8 |
| Slate or Tile | 12.1 | 10.8 | 10.3 | 11.7 | 13.1 | 11.9 | 9.0 |
| Wooden Materials | 16.4 | 16.0 | 12.3 | 19.5 | 19.5 | 17.2 | 15.3 |
| Concrete | 20.3 | 36.7 | 34.9 | 30.6 | 32.7 | 51.6 | 27.9 |
| Other | 27.2 | 34.0 | 36.3 | 32.5 | 37.7 | 48.6 | 24.1 |
| No One Major Type | 30.2 | 27.7 | 25.4 | 32.9 | 31.8 | 25.8 | 10.8 |
| Renovations in Buildings Constructed Before 1980 (more than one may apply) | | | | | | | |
| Any Type of Renovation | | | | | | | |
| Since 1980 | 6.2 | 5.4 | 5.6 | 6.8 | 7.8 | 6.3 | 4.7 |
| Addition or Annex | 9.6 | 8.9 | 10.2 | 10.1 | 11.1 | 8.7 | 4.2 |
| Reduction In Floorspace | 24.1 | 21.9 | 22.4 | 28.5 | 27.6 | 21.0 | 16.7 |
| Cosmetic Improvements | 6.6 | 5.7 | 5.8 | 7.7 | 8.7 | 7.5 | 5.6 |
| Wall or Roof Replacement | 10.9 | 7.2 | 10.2 | 12.3 | 14.9 | 10.3 | 7.5 |
| Interior Wall | | | | | | | |
| Re-Configuration | 8.5 | 6.4 | 8.6 | 9.3 | 10.7 | 7.0 | 6.5 |
| HVAC Equipment Upgrade | 7.4 | 5.8 | 6.5 | 9.0 | 9.7 | 7.0 | 6.5 |
| Lighting Upgrade | 7.2 | 6.6 | 6.7 | 8.5 | 8.8 | 7.5 | 6.3 |
| Window Replacement | 9.1 | 7.2 | 9.2 | 11.5 | 13.2 | 11.6 | 8.9 |
| Plumbing System Upgrade | 8.3 | 7.9 | 8.3 | 11.6 | 13.1 | 10.2 | 8.3 |
| Insulation Upgrade | 12.3 | 10.1 | 10.8 | 14.8 | 16.1 | 13.1 | 11.6 |
| Other Renovation | 30.6 | 24.1 | 27.7 | 34.0 | 39.8 | 32.4 | 17.5 |
| No Renovations Since 1980 | 4.8 | 6.0 | 5.9 | 5.7 | 6.9 | 7.0 | 5.7 |
| Building Newer than 1980 | 5.8 | 5.1 | 5.0 | 6.5 | 7.9 | 6.2 | 3.1 |

RSEs for Table C4. Expenditures for Sum of Major Fuels for Non-Mall Buildings, 2003

| | RSEs for All Buildings* | | | RSEs for Sum of Major Fuel Expenditures | | | |
|---|-------------------------|------------|-------------------------|---|--------------|-----------------|-----------------|
| | Number of Buildings | Floorspace | Floorspace per Building | Total | per Building | per Square Foot | per Million Btu |
| All Buildings* | 3.9 | 3.1 | 4.1 | 4.2 | 6.1 | 4.8 | 2.5 |
| Energy Sources (more than one may apply) | | | | | | | |
| Electricity | 3.9 | 3.7 | 4.6 | 4.5 | 6.0 | 4.7 | 2.6 |
| Natural Gas | 5.3 | 4.7 | 4.5 | 5.7 | 6.4 | 4.7 | 2.4 |
| Fuel Oil | 12.7 | 8.5 | 12.1 | 12.5 | 15.7 | 8.8 | 6.3 |
| District Heat | 12.4 | 13.4 | 12.0 | 31.0 | 32.8 | 29.1 | 26.8 |
| District Chilled Water | 13.0 | 11.5 | 12.9 | 24.3 | 21.6 | 25.4 | 20.0 |
| Propane | 16.3 | 13.3 | 13.6 | 15.4 | 16.1 | 13.5 | 11.3 |
| Other | 13.7 | 13.5 | 15.0 | 21.3 | 20.6 | 18.3 | 17.6 |
| Space-Heating Energy Sources (more than one may apply) | | | | | | | |
| Electricity | 6.6 | 4.6 | 5.3 | 6.3 | 8.1 | 5.6 | 4.4 |
| Natural Gas | 5.5 | 4.8 | 4.0 | 5.9 | 6.1 | 4.4 | 3.1 |
| Fuel Oil | 12.5 | 17.3 | 14.1 | 12.7 | 8.8 | 18.7 | 5.2 |
| District Heat | 12.4 | 13.9 | 12.4 | 31.0 | 32.7 | 29.0 | 26.8 |
| Propane | 19.9 | 15.8 | 14.3 | 28.5 | 25.5 | 27.3 | 17.0 |
| Other | 16.1 | 19.3 | 14.1 | 29.1 | 28.2 | 22.5 | 13.9 |
| Primary Space-Heating Energy Source | | | | | | | |
| Electricity | 8.1 | 7.4 | 5.1 | 7.1 | 8.1 | 6.3 | 2.9 |
| Natural Gas | 5.7 | 4.9 | 4.1 | 6.0 | 6.3 | 4.6 | 3.2 |
| Fuel Oil | 16.0 | 24.5 | 18.2 | 19.1 | 10.9 | 26.8 | 7.8 |
| District Heat | 12.8 | 14.4 | 12.5 | 33.1 | 34.9 | 31.3 | 28.6 |
| Propane | 22.0 | 18.4 | 12.7 | 36.3 | 33.5 | 33.4 | 14.1 |
| Other | 20.4 | 21.6 | 16.6 | 34.3 | 33.1 | 26.6 | 16.7 |
| Cooling Energy Sources (more than one may apply) | | | | | | | |
| Electricity | 3.2 | 3.1 | 3.9 | 4.5 | 5.7 | 4.6 | 2.8 |
| Natural Gas | 26.9 | 19.5 | 27.9 | 24.1 | 29.7 | 23.4 | 9.2 |
| District Chilled Water | 13.0 | 11.5 | 12.9 | 24.3 | 21.6 | 25.4 | 20.0 |
| Water-Heating Energy Sources (more than one may apply) | | | | | | | |
| Electricity | 5.9 | 4.8 | 5.1 | 5.6 | 7.4 | 5.8 | 4.3 |
| Natural Gas | 5.2 | 5.0 | 4.6 | 6.2 | 6.9 | 5.8 | 3.1 |
| Fuel Oil | 17.9 | 21.0 | 23.8 | 18.3 | 13.6 | 29.4 | 11.8 |
| District Heat | 22.6 | 14.2 | 18.1 | 38.0 | 42.8 | 31.6 | 26.6 |
| Propane | 22.3 | 18.5 | 15.4 | 40.3 | 36.8 | 37.8 | 22.1 |
| Cooking Energy Sources (more than one may apply) | | | | | | | |
| Electricity | 7.2 | 6.2 | 7.7 | 9.9 | 11.4 | 7.6 | 4.5 |
| Natural Gas | 6.5 | 7.2 | 7.1 | 8.7 | 10.0 | 9.2 | 4.4 |
| Propane | 19.3 | 15.6 | 13.5 | 34.3 | 30.9 | 32.7 | 20.7 |
| Energy End Uses (more than one may apply) | | | | | | | |
| Buildings with Space Heating | 3.5 | 3.1 | 4.1 | 4.3 | 5.8 | 4.8 | 2.6 |
| Buildings with Cooling | 3.2 | 3.0 | 3.9 | 4.5 | 5.7 | 4.6 | 2.7 |
| Buildings with Water Heating | 3.2 | 2.9 | 4.0 | 4.4 | 5.7 | 4.7 | 2.6 |
| Buildings with Cooking | 5.7 | 5.9 | 6.3 | 7.8 | 9.6 | 8.1 | 4.4 |
| Buildings with Manufacturing | 12.1 | 14.1 | 14.1 | 16.8 | 19.8 | 15.8 | 8.8 |
| Buildings with Electricity Generation | 7.6 | 6.6 | 8.6 | 12.5 | 13.6 | 10.1 | 6.5 |

RSEs for Table C4. Expenditures for Sum of Major Fuels for Non-Mall Buildings, 2003

| | RSEs for All Buildings* | | | RSEs for Sum of Major Fuel Expenditures | | | |
|--|-------------------------|------------|-------------------------|---|--------------|-----------------|-----------------|
| | Number of Buildings | Floorspace | Floorspace per Building | Total | per Building | per Square Foot | per Million Btu |
| All Buildings* | 3.9 | 3.1 | 4.1 | 4.2 | 6.1 | 4.8 | 2.5 |
| Percent of Floorspace Heated | | | | | | | |
| Not Heated | 8.4 | 8.9 | 7.4 | 22.5 | 22.4 | 20.0 | 9.7 |
| 1 to 50 | 8.0 | 10.4 | 8.1 | 12.3 | 12.8 | 11.5 | 6.8 |
| 51 to 99 | 7.0 | 7.2 | 7.9 | 9.1 | 10.1 | 6.2 | 5.2 |
| 100 | 3.8 | 4.1 | 4.4 | 5.0 | 6.1 | 5.7 | 3.2 |
| Percent of Floorspace Cooled | | | | | | | |
| Not Cooled | 8.6 | 11.2 | 8.0 | 12.5 | 10.7 | 10.9 | 6.4 |
| 1 to 50 | 5.7 | 7.1 | 5.6 | 9.3 | 9.1 | 7.8 | 4.8 |
| 51 to 99 | 6.9 | 5.9 | 7.5 | 8.2 | 9.2 | 6.4 | 5.9 |
| 100 | 3.7 | 4.1 | 4.3 | 6.7 | 7.2 | 5.7 | 3.9 |
| Percent Lit When Open | | | | | | | |
| Zero | 33.5 | 27.8 | 23.3 | 31.8 | 30.7 | 21.5 | 11.6 |
| 1 to 50 | 6.4 | 7.0 | 6.3 | 8.0 | 10.0 | 8.7 | 4.4 |
| 51 to 99 | 5.1 | 4.1 | 4.9 | 6.1 | 7.3 | 4.8 | 4.6 |
| 100 | 3.8 | 4.1 | 4.8 | 5.5 | 6.7 | 6.1 | 3.5 |
| Building Never Open/ Electricity Not Used | 10.9 | 13.0 | 11.7 | 21.7 | 21.6 | 17.5 | 13.8 |
| Percent Lit When Closed | | | | | | | |
| Zero | 5.2 | 5.5 | 4.9 | 4.7 | 5.6 | 5.5 | 3.8 |
| 1 to 50 | 3.6 | 3.7 | 4.4 | 4.7 | 5.5 | 4.8 | 3.2 |
| 51 to 100 | 9.6 | 12.4 | 13.1 | 18.2 | 16.8 | 15.8 | 6.0 |
| Building Never Closed/ Electricity Not Used | 8.9 | 5.0 | 8.7 | 11.7 | 14.0 | 11.2 | 7.1 |
| Heating Equipment (more than one may apply) | | | | | | | |
| Heat Pumps | 13.2 | 7.6 | 10.2 | 12.9 | 14.5 | 11.0 | 8.0 |
| Packaged Heat Pumps | 10.7 | 7.6 | 11.9 | 17.7 | 17.5 | 15.6 | 12.1 |
| Split-System Heat Pumps | 21.5 | 15.9 | 13.3 | 13.9 | 19.4 | 14.1 | 25.1 |
| Individual Room Heat Pumps | 14.9 | 11.8 | 13.8 | 18.3 | 17.1 | 15.4 | 6.9 |
| Furnaces | 5.4 | 5.1 | 4.2 | 5.4 | 5.6 | 4.6 | 3.3 |
| Individual Space Heaters | 9.3 | 5.9 | 8.1 | 8.3 | 10.8 | 7.0 | 7.7 |
| District Heat | 12.5 | 14.0 | 12.5 | 31.0 | 32.6 | 29.0 | 26.8 |
| Boilers | 6.8 | 7.1 | 5.9 | 8.2 | 9.2 | 8.6 | 4.1 |
| Packaged Heating Units | 6.2 | 4.4 | 4.9 | 6.6 | 7.2 | 5.5 | 3.9 |
| Other | 10.3 | 11.5 | 12.7 | 11.9 | 12.5 | 9.4 | 8.9 |
| Cooling Equipment (more than one may apply) | | | | | | | |
| Residential-Type Central | | | | | | | |
| Air Conditioners | 5.9 | 6.7 | 7.2 | 8.3 | 8.4 | 8.7 | 5.6 |
| Heat Pumps | 12.2 | 8.1 | 8.5 | 12.7 | 13.7 | 10.9 | 7.9 |
| Packaged Heat Pumps | 9.8 | 8.1 | 10.9 | 17.7 | 17.0 | 15.6 | 12.0 |
| Split-System Heat Pumps | 20.8 | 15.8 | 11.8 | 14.5 | 16.5 | 13.1 | 25.0 |
| Individual Room Heat Pumps | 14.8 | 12.6 | 12.7 | 18.0 | 18.0 | 14.9 | 7.5 |
| Individual Air Conditioners | 6.5 | 6.8 | 7.0 | 7.6 | 8.6 | 7.5 | 5.4 |
| District Chilled Water | 13.0 | 11.5 | 12.9 | 24.3 | 21.6 | 25.4 | 20.0 |
| Central Chillers | 10.0 | 8.4 | 9.1 | 12.1 | 13.7 | 8.9 | 6.3 |
| Packaged Air Conditioning | | | | | | | |
| Units | 4.5 | 4.5 | 4.6 | 4.6 | 5.3 | 4.9 | 3.0 |
| Swamp Coolers | 19.4 | 15.1 | 12.4 | 8.5 | 15.5 | 12.5 | 11.6 |
| Other | 24.6 | 20.1 | 18.2 | 19.7 | 16.0 | 21.6 | 12.2 |

RSEs for Table C4. Expenditures for Sum of Major Fuels for Non-Mall Buildings, 2003

| | RSEs for All Buildings* | | | RSEs for Sum of Major Fuel Expenditures | | | |
|--|-------------------------|------------|-------------------------|---|--------------|-----------------|-----------------|
| | Number of Buildings | Floorspace | Floorspace per Building | Total | per Building | per Square Foot | per Million Btu |
| All Buildings* | 3.9 | 3.1 | 4.1 | 4.2 | 6.1 | 4.8 | 2.5 |
| Main Equipment Replaced Since 1990 (more than one may apply) | | | | | | | |
| Heating | 5.4 | 5.3 | 5.2 | 8.5 | 8.6 | 7.5 | 3.8 |
| Cooling | 5.1 | 5.2 | 5.1 | 7.2 | 8.2 | 6.3 | 4.6 |
| Water Heating Equipment | | | | | | | |
| Centralized System | 3.6 | 3.2 | 4.4 | 4.8 | 5.9 | 5.3 | 2.8 |
| Distributed System | 8.4 | 7.9 | 6.9 | 9.2 | 9.0 | 8.0 | 5.2 |
| Combination of Centralized and Distributed System | 8.8 | 5.8 | 9.5 | 11.0 | 14.5 | 8.8 | 6.5 |
| Lighting Equipment Types (more than one may apply) | | | | | | | |
| Incandescent | 3.9 | 3.9 | 5.5 | 5.8 | 7.4 | 6.2 | 3.4 |
| Standard Fluorescent | 3.3 | 3.1 | 4.0 | 4.3 | 5.7 | 4.9 | 2.6 |
| Compact Fluorescent | 4.2 | 4.6 | 5.5 | 7.0 | 7.4 | 6.4 | 3.9 |
| High Intensity Discharge | 5.6 | 4.8 | 6.5 | 6.3 | 7.2 | 6.2 | 4.3 |
| Halogen | 6.6 | 5.2 | 7.3 | 7.7 | 8.8 | 6.3 | 4.9 |
| Other | 45.4 | 32.8 | 35.9 | 50.2 | 47.0 | 32.3 | 51.4 |
| Refrigeration Equipment (more than one may apply)^a | | | | | | | |
| Any Refrigeration..... | 3.7 | 3.0 | 4.2 | 4.7 | 6.2 | 4.8 | 2.8 |
| Commercial Refrigeration | 4.6 | 4.7 | 4.9 | 6.5 | 7.8 | 6.6 | 3.8 |
| Walk-In Units | 4.3 | 5.6 | 6.6 | 7.4 | 8.5 | 8.0 | 4.5 |
| Cases or Cabinets | 5.4 | 4.8 | 5.3 | 7.3 | 8.2 | 6.3 | 4.3 |
| Residential-Type Units | 4.9 | 3.4 | 5.1 | 4.7 | 6.1 | 4.7 | 3.2 |
| Vending Machines | 4.4 | 3.8 | 4.5 | 5.9 | 7.0 | 5.5 | 3.0 |
| No Refrigeration | 5.8 | 6.9 | 6.2 | 7.2 | 7.9 | 7.7 | 4.1 |
| Office Equipment (more than one may apply) | | | | | | | |
| Computers | 3.2 | 3.0 | 4.0 | 4.7 | 5.5 | 4.9 | 2.7 |
| With Flat Screen Monitors | 5.9 | 4.8 | 6.3 | 7.7 | 8.3 | 6.2 | 4.3 |
| Dedicated Servers | 3.4 | 3.8 | 3.7 | 5.9 | 6.1 | 5.6 | 3.4 |
| Laser Printers | 3.7 | 3.5 | 4.2 | 5.6 | 6.5 | 6.0 | 3.9 |
| Inkjet Printers | 4.5 | 4.2 | 4.9 | 6.3 | 6.6 | 4.9 | 3.3 |
| FAX Machines | 3.2 | 3.3 | 4.1 | 4.8 | 5.5 | 4.9 | 2.8 |
| Photocopiers | 3.6 | 3.6 | 4.3 | 5.5 | 5.5 | 5.5 | 3.2 |
| Number of Computers | | | | | | | |
| None | 7.3 | 7.9 | 5.6 | 7.4 | 6.4 | 8.2 | 5.5 |
| 1 to 4 | 4.9 | 5.6 | 5.3 | 6.3 | 5.7 | 7.1 | 3.3 |
| 5 to 9 | 5.9 | 6.5 | 6.3 | 7.4 | 8.1 | 7.6 | 7.1 |
| 10 to 19 | 8.2 | 8.1 | 7.5 | 9.4 | 7.8 | 7.3 | 5.0 |
| 20 to 49 | 7.9 | 8.0 | 7.5 | 10.7 | 10.6 | 10.0 | 6.9 |
| 50 to 99 | 7.3 | 9.8 | 9.3 | 9.1 | 8.5 | 11.1 | 4.8 |
| 100 to 249 | 7.9 | 7.3 | 5.5 | 12.5 | 11.5 | 9.2 | 7.7 |
| 250 or More | 8.5 | 9.0 | 6.1 | 14.6 | 13.8 | 11.3 | 8.6 |
| Number of Dedicated Servers | | | | | | | |
| None | 5.0 | 4.6 | 4.2 | 4.6 | 5.6 | 5.7 | 2.7 |
| 1 to 4 | 3.4 | 4.6 | 4.0 | 4.8 | 4.5 | 5.1 | 3.3 |
| 5 to 9 | 12.7 | 12.0 | 14.2 | 18.6 | 14.9 | 16.7 | 17.8 |
| 10 to 19 | 18.6 | 11.2 | 21.1 | 17.2 | 23.0 | 18.0 | 17.0 |
| 20 to 49 | 16.7 | 16.2 | 16.4 | 23.3 | 25.9 | 17.2 | 10.8 |
| 50 or More | 30.4 | 19.2 | 25.8 | 24.9 | 31.8 | 18.2 | 10.3 |

RSEs for Table C4. Expenditures for Sum of Major Fuels for Non-Mall Buildings, 2003

| | RSEs for All Buildings* | | | RSEs for Sum of Major Fuel Expenditures | | | |
|--|-------------------------|------------|-------------------------|---|--------------|-----------------|-----------------|
| | Number of Buildings | Floorspace | Floorspace per Building | Total | per Building | per Square Foot | per Million Btu |
| All Buildings* | 3.9 | 3.1 | 4.1 | 4.2 | 6.1 | 4.8 | 2.5 |
| Number of Photocopiers | | | | | | | |
| None | 5.8 | 5.8 | 4.2 | 4.7 | 6.1 | 6.4 | 3.7 |
| One | 4.7 | 5.3 | 5.2 | 5.2 | 4.5 | 5.4 | 3.8 |
| 2 to 4 | 4.9 | 5.6 | 4.9 | 7.4 | 6.9 | 6.6 | 4.6 |
| 5 to 9 | 9.7 | 9.0 | 10.0 | 14.9 | 14.7 | 16.1 | 7.7 |
| 10 or More | 8.3 | 8.4 | 8.9 | 14.6 | 14.2 | 10.6 | 8.8 |
| Energy-Related Space Functions (more than one may apply) | | | | | | | |
| Commercial Food Preparation | 5.7 | 5.9 | 6.3 | 7.8 | 9.6 | 8.1 | 4.4 |
| Activities with Large Amounts of Hot Water | 5.4 | 5.6 | 6.6 | 8.3 | 9.6 | 8.9 | 4.9 |
| Separate Computer Area | 5.8 | 4.7 | 6.2 | 7.8 | 9.2 | 6.6 | 4.1 |
| HVAC Conservation Features (more than one may apply) | | | | | | | |
| Variable Air-Volume System | 6.9 | 5.4 | 6.5 | 8.7 | 10.2 | 6.7 | 5.2 |
| Economizer Cycle | 6.1 | 5.1 | 6.6 | 7.3 | 9.0 | 5.7 | 4.4 |
| HVAC Maintenance | 3.9 | 3.8 | 4.2 | 5.0 | 5.9 | 5.3 | 2.8 |
| Energy Management and Control System (EMCS) | 9.3 | 5.5 | 8.9 | 9.8 | 11.4 | 7.1 | 5.9 |
| Window and Interior Lighting Features (more than one may apply) | | | | | | | |
| Multipaned Windows | 4.4 | 3.7 | 4.6 | 5.1 | 6.5 | 5.3 | 2.7 |
| Tinted Window Glass | 3.9 | 4.2 | 5.3 | 5.7 | 7.4 | 6.0 | 3.5 |
| Reflective Window Glass | 8.6 | 5.7 | 9.1 | 10.9 | 13.3 | 9.6 | 9.8 |
| External Overhangs or Awnings | 6.7 | 5.5 | 6.0 | 7.9 | 9.4 | 6.7 | 4.1 |
| Skylights or Atriums | 6.2 | 6.0 | 6.7 | 10.9 | 10.5 | 9.5 | 5.6 |
| Daylighting Sensors | 16.4 | 11.3 | 17.7 | 25.6 | 24.7 | 22.8 | 12.0 |
| Specular Reflectors | 5.1 | 4.9 | 5.8 | 7.6 | 8.2 | 6.7 | 4.5 |
| Electronic Ballasts | 5.2 | 3.6 | 5.3 | 5.2 | 6.8 | 5.3 | 2.9 |
| Energy Management and Control System (EMCS) For Lighting | 20.6 | 10.6 | 20.8 | 14.2 | 22.2 | 9.8 | 9.8 |
| Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^a | | | | | | | |
| Heating | 4.2 | 3.3 | 4.5 | 4.9 | 6.5 | 5.3 | 3.1 |
| Cooling | 4.1 | 3.4 | 4.5 | 5.1 | 6.4 | 5.0 | 3.1 |
| Lighting | 3.6 | 3.5 | 4.0 | 3.6 | 5.0 | 4.1 | 2.5 |
| Office Equipment | 5.0 | 5.0 | 5.2 | 6.4 | 6.2 | 6.4 | 3.8 |

X=No cases in the responding sample reported their consumption for the particular fuel, so relative standard error could not be calculated.

RSEs for Table C5. Consumption and Gross Energy Intensity by Census Region for Sum of Major Fuels for Non-Mall Buildings, 2003

| | RSEs for Sum of Major Fuel Consumption | | | | RSEs for Total Floorspace of Buildings | | | | RSEs for Energy Intensity for Sum of Major Fuels | | | |
|--|--|----------|-------|------|--|----------|-------|------|--|----------|-------|------|
| | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west | South | West |
| All Buildings* | 9.6 | 5.7 | 7.2 | 10.4 | 9.6 | 7.1 | 4.6 | 4.8 | 11.1 | 6.5 | 8.2 | 9.2 |
| Building Floorspace (Square Feet) | | | | | | | | | | | | |
| 1,001 to 5,000 | 15.5 | 12.2 | 12.0 | 13.2 | 14.5 | 13.2 | 10.0 | 13.0 | 15.6 | 12.8 | 9.3 | 14.2 |
| 5,001 to 10,000 | 16.4 | 20.3 | 13.0 | 28.5 | 12.4 | 13.4 | 7.8 | 17.0 | 14.8 | 16.0 | 13.1 | 26.6 |
| 10,001 to 25,000 | 13.0 | 12.3 | 20.3 | 12.0 | 13.7 | 9.6 | 9.8 | 9.4 | 20.2 | 10.7 | 23.2 | 9.2 |
| 25,001 to 50,000 | 15.6 | 18.4 | 13.8 | 17.5 | 11.1 | 9.3 | 10.8 | 10.7 | 14.3 | 13.3 | 12.7 | 11.4 |
| 50,001 to 100,000 | 25.5 | 19.7 | 10.6 | 22.7 | 14.2 | 13.5 | 9.7 | 13.3 | 28.2 | 17.8 | 10.7 | 13.7 |
| 100,001 to 200,000 | 29.7 | 15.8 | 25.1 | 12.2 | 24.1 | 15.5 | 18.0 | 13.1 | 33.7 | 9.4 | 19.5 | 13.4 |
| 200,001 to 500,000 | 31.2 | 12.8 | 17.6 | 19.9 | 21.6 | 24.9 | 15.4 | 22.2 | 29.8 | 23.2 | 12.2 | 23.6 |
| Over 500,000 | 44.3 | 20.6 | 34.6 | 45.3 | 17.7 | 22.1 | 29.1 | 32.5 | 44.2 | 25.4 | 18.4 | 32.3 |
| Principal Building Activity | | | | | | | | | | | | |
| Education | 30.6 | 12.9 | 9.8 | 11.8 | 13.2 | 9.9 | 10.8 | 9.5 | 29.5 | 9.0 | 10.3 | 11.7 |
| Food Sales | 26.7 | 28.0 | 34.3 | 43.1 | 17.3 | 24.4 | 14.2 | 19.9 | 28.6 | 22.3 | 28.4 | 40.6 |
| Food Service | 45.0 | 29.6 | 22.7 | 36.0 | 18.9 | 20.8 | 14.5 | 20.2 | 40.5 | 30.5 | 20.1 | 34.5 |
| Health Care | 28.0 | 23.4 | 16.7 | 32.1 | 11.6 | 12.6 | 13.2 | 14.2 | 29.7 | 20.8 | 17.0 | 19.6 |
| Inpatient | 34.6 | 25.4 | 20.6 | 36.4 | 20.8 | 11.8 | 23.1 | 22.4 | 37.7 | 22.1 | 29.1 | 19.8 |
| Outpatient | 34.8 | 39.9 | 30.6 | 26.7 | 27.5 | 18.0 | 19.7 | 14.9 | 24.4 | 31.3 | 24.6 | 21.6 |
| Lodging | 30.8 | 16.1 | 28.1 | 44.6 | 33.2 | 11.8 | 13.6 | 14.0 | 53.8 | 11.1 | 21.7 | 42.2 |
| Retail (Other Than Mall)..... | 27.8 | 31.6 | 19.1 | 21.4 | 12.7 | 21.2 | 11.5 | 16.9 | 23.2 | 17.1 | 17.2 | 9.8 |
| Office | 17.3 | 11.2 | 16.0 | 14.3 | 11.2 | 11.1 | 14.8 | 15.4 | 15.5 | 9.3 | 7.6 | 9.9 |
| Public Assembly | 24.5 | 23.8 | 24.4 | 35.9 | 27.3 | 18.0 | 18.6 | 13.5 | 54.4 | 18.6 | 25.5 | 31.8 |
| Public Order and Safety | 44.3 | 18.1 | 47.0 | 36.3 | 40.4 | 28.6 | 33.1 | 32.3 | 74.3 | 29.5 | 46.7 | 24.1 |
| Religious Worship | 20.5 | 16.3 | 21.8 | 20.2 | 22.9 | 11.8 | 14.5 | 12.9 | 10.3 | 10.1 | 13.0 | 11.1 |
| Service | 32.1 | 26.3 | 43.8 | 34.4 | 26.3 | 16.9 | 18.2 | 22.0 | 34.1 | 18.6 | 37.7 | 18.5 |
| Warehouse and Storage | 21.3 | 23.7 | 25.5 | 48.9 | 25.3 | 21.2 | 19.4 | 21.0 | 28.7 | 20.4 | 26.5 | 39.5 |
| Other | 44.6 | 36.8 | 76.1 | 47.7 | 32.4 | 22.2 | 50.6 | 35.2 | 36.3 | 31.7 | 101.1 | 20.1 |
| Vacant | 50.7 | 40.8 | 58.4 | 57.4 | 37.3 | 28.7 | 20.8 | 57.3 | 40.5 | 32.9 | 54.0 | 61.7 |
| Year Constructed | | | | | | | | | | | | |
| Before 1920 | 23.5 | 15.0 | 49.9 | 36.0 | 18.2 | 20.2 | 42.4 | 29.1 | 20.2 | 26.4 | 26.2 | 19.6 |
| 1920 to 1945 | 15.1 | 24.8 | 23.8 | 17.1 | 21.5 | 23.8 | 17.8 | 23.4 | 24.9 | 26.4 | 20.2 | 25.9 |
| 1946 to 1959 | 26.9 | 16.8 | 21.7 | 23.9 | 18.3 | 12.6 | 13.6 | 16.2 | 29.5 | 12.5 | 19.4 | 19.4 |
| 1960 to 1969 | 29.9 | 14.8 | 16.4 | 16.6 | 17.4 | 13.1 | 12.4 | 15.2 | 18.0 | 16.6 | 15.7 | 14.2 |
| 1970 to 1979 | 17.2 | 15.0 | 17.8 | 20.7 | 16.5 | 16.0 | 7.7 | 16.3 | 20.4 | 13.7 | 16.8 | 13.0 |
| 1980 to 1989 | 29.8 | 17.1 | 15.0 | 27.8 | 17.4 | 11.1 | 10.3 | 13.1 | 27.4 | 19.0 | 15.8 | 20.8 |
| 1990 to 1999 | 33.9 | 15.6 | 14.6 | 20.5 | 17.7 | 16.2 | 9.7 | 15.3 | 33.5 | 10.4 | 14.9 | 18.0 |
| 2000 to 2003 | 37.2 | 26.1 | 20.3 | 25.9 | 18.2 | 15.4 | 13.9 | 19.5 | 23.2 | 17.6 | 20.6 | 19.0 |
| Climate Zone: 30-Year Average | | | | | | | | | | | | |
| Under 2,000 CDD and -- | | | | | | | | | | | | |
| More than 7,000 HDD | 38.3 | 10.2 | 0.0 | 19.8 | 35.5 | 10.2 | 0.0 | 20.5 | 18.7 | 7.3 | 0.0 | 1.1 |
| 5,500-7,000 HDD | 22.0 | 9.0 | 0.0 | 33.3 | 15.8 | 13.0 | 0.0 | 23.6 | 17.2 | 9.6 | 0.0 | 30.2 |
| 4,000-5,499 HDD | 30.2 | 9.9 | 37.1 | 65.6 | 20.5 | 27.4 | 31.2 | 44.1 | 22.7 | 28.8 | 12.8 | 16.2 |
| Fewer than 4,000 HDD | 0.0 | 0.0 | 15.0 | 18.6 | 0.0 | 0.0 | 16.3 | 9.4 | 0.0 | 0.0 | 11.3 | 16.6 |
| 2,000 CDD or More and -- | | | | | | | | | | | | |
| Fewer than 4,000 HDD | 0.0 | 0.0 | 13.2 | 37.4 | 0.0 | 0.0 | 10.6 | 33.1 | 0.0 | 0.0 | 12.4 | 11.8 |
| Number of Floors | | | | | | | | | | | | |
| One | 15.1 | 7.2 | 6.8 | 11.6 | 15.5 | 11.8 | 9.0 | 8.7 | 17.4 | 10.6 | 8.0 | 7.1 |
| Two | 9.8 | 10.5 | 18.7 | 16.0 | 13.1 | 8.5 | 9.2 | 11.0 | 15.9 | 7.2 | 18.1 | 13.4 |
| Three | 21.7 | 13.9 | 14.2 | 13.8 | 15.5 | 11.7 | 12.5 | 14.5 | 20.0 | 14.7 | 12.7 | 19.6 |
| Four to Nine | 25.5 | 16.2 | 26.3 | 21.8 | 19.2 | 13.0 | 21.7 | 12.6 | 26.6 | 18.9 | 18.1 | 15.5 |
| Ten or More | 34.4 | 18.9 | 26.6 | 51.6 | 17.5 | 18.4 | 32.6 | 36.0 | 36.9 | 13.4 | 12.5 | 45.7 |

RSEs for Table C5. Consumption and Gross Energy Intensity by Census Region for Sum of Major Fuels for Non-Mall Buildings, 2003

| | RSEs for Sum of Major Fuel Consumption | | | | RSEs for Total Floorspace of Buildings | | | | RSEs for Energy Intensity for Sum of Major Fuels | | | |
|---|--|----------|-------|------|--|----------|-------|------|--|----------|-------|------|
| | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west | South | West |
| All Buildings* | 9.6 | 5.7 | 7.2 | 10.4 | 9.6 | 7.1 | 4.6 | 4.8 | 11.1 | 6.5 | 8.2 | 9.2 |
| Elevators and Escalators (more than one may apply) | | | | | | | | | | | | |
| Any Elevators | 16.9 | 7.1 | 14.9 | 20.9 | 10.1 | 7.9 | 11.2 | 13.1 | 16.1 | 7.4 | 10.3 | 16.5 |
| Number of Elevators | | | | | | | | | | | | |
| One | 26.3 | 13.1 | 14.2 | 19.4 | 11.6 | 10.5 | 8.5 | 20.8 | 24.1 | 10.4 | 11.7 | 16.8 |
| Two to Five | 27.8 | 11.5 | 16.4 | 15.1 | 15.6 | 13.7 | 16.4 | 11.1 | 22.4 | 11.4 | 18.6 | 16.1 |
| Six or More | 28.4 | 20.0 | 28.3 | 40.2 | 18.0 | 23.2 | 27.0 | 28.7 | 28.7 | 28.9 | 14.5 | 34.2 |
| Any Escalators | 59.3 | 38.8 | 43.1 | 75.5 | 22.4 | 38.3 | 35.2 | 32.7 | 54.2 | 29.9 | 26.8 | 68.0 |
| Number of Workers (main shift) | | | | | | | | | | | | |
| Fewer than 5 | 14.2 | 10.5 | 14.4 | 11.5 | 15.7 | 15.7 | 11.7 | 13.2 | 13.9 | 14.1 | 10.1 | 13.3 |
| 5 to 9 | 19.2 | 14.3 | 15.8 | 16.2 | 17.2 | 12.5 | 8.8 | 14.2 | 16.2 | 12.2 | 13.7 | 16.5 |
| 10 to 19 | 20.9 | 13.4 | 13.9 | 19.1 | 22.1 | 7.5 | 11.0 | 16.4 | 31.8 | 12.8 | 15.2 | 15.2 |
| 20 to 49 | 20.5 | 14.8 | 21.5 | 22.5 | 21.9 | 11.2 | 11.0 | 14.8 | 24.3 | 8.9 | 17.5 | 11.8 |
| 50 to 99 | 26.0 | 12.5 | 15.8 | 13.0 | 21.9 | 11.6 | 14.9 | 13.5 | 23.6 | 6.2 | 11.6 | 6.8 |
| 100 to 249 | 31.9 | 15.8 | 14.9 | 22.4 | 15.1 | 14.1 | 15.5 | 10.8 | 31.9 | 13.1 | 16.4 | 18.8 |
| 250 or More | 21.7 | 12.9 | 24.5 | 31.8 | 13.7 | 14.0 | 20.0 | 23.3 | 23.3 | 14.5 | 14.2 | 22.9 |
| Weekly Operating Hours | | | | | | | | | | | | |
| Fewer than 40 | 25.9 | 13.9 | 16.9 | 27.8 | 22.0 | 17.9 | 13.5 | 21.6 | 20.2 | 13.2 | 14.1 | 25.9 |
| 40 to 48 | 21.1 | 12.7 | 12.1 | 13.4 | 15.4 | 9.8 | 10.4 | 13.5 | 22.5 | 8.8 | 14.7 | 14.5 |
| 49 to 60 | 13.1 | 15.0 | 16.1 | 13.7 | 14.5 | 17.6 | 7.2 | 11.2 | 15.3 | 13.3 | 14.4 | 6.9 |
| 61 to 84 | 14.5 | 14.2 | 12.2 | 12.3 | 10.8 | 11.1 | 11.4 | 10.4 | 18.4 | 11.1 | 13.7 | 12.2 |
| 85 to 167 | 23.7 | 9.3 | 13.5 | 9.8 | 21.2 | 11.9 | 14.7 | 11.2 | 16.2 | 10.8 | 15.7 | 14.5 |
| Open Continuously | 24.1 | 12.8 | 18.4 | 25.0 | 11.9 | 9.0 | 10.4 | 10.9 | 20.5 | 11.8 | 15.4 | 19.4 |
| Ownership and Occupancy | | | | | | | | | | | | |
| Nongovernment Owned | 10.9 | 6.6 | 6.5 | 15.0 | 10.5 | 5.9 | 6.1 | 6.2 | 13.6 | 6.4 | 8.2 | 11.6 |
| Owner Occupied | 15.2 | 9.4 | 10.0 | 17.2 | 12.9 | 5.8 | 9.0 | 10.4 | 17.7 | 6.9 | 5.4 | 11.0 |
| Nonowner Occupied | 14.5 | 8.8 | 10.7 | 21.2 | 12.8 | 10.2 | 7.6 | 8.8 | 17.5 | 6.3 | 12.9 | 16.4 |
| Unoccupied | 76.2 | 45.6 | 58.4 | 87.7 | 45.8 | 32.3 | 23.4 | 74.1 | 31.8 | 31.5 | 53.8 | 19.4 |
| Government Owned | 21.7 | 11.4 | 13.7 | 14.8 | 11.1 | 12.4 | 9.5 | 9.5 | 21.0 | 12.2 | 16.3 | 12.2 |
| Federal | 44.7 | 39.0 | 48.9 | 62.3 | 30.0 | 54.7 | 41.4 | 58.2 | 39.5 | 51.5 | 23.8 | 53.7 |
| State | 38.1 | 28.9 | 26.0 | 28.0 | 23.0 | 29.9 | 24.0 | 19.2 | 51.2 | 21.8 | 29.9 | 24.8 |
| Local | 26.5 | 14.2 | 16.3 | 16.0 | 12.5 | 9.6 | 13.5 | 14.5 | 22.9 | 10.9 | 14.4 | 14.9 |
| Vacancy Status | | | | | | | | | | | | |
| Completely Vacant | 64.7 | 45.8 | 58.4 | 87.7 | 44.0 | 30.3 | 21.9 | 73.2 | 38.8 | 38.2 | 53.8 | 19.6 |
| Mostly Vacant | 74.3 | 78.2 | X | 59.9 | 62.7 | 52.2 | 73.2 | 49.8 | 65.2 | 103.4 | X | 54.2 |
| Partially Vacant | 21.0 | 13.6 | 18.7 | 26.0 | 13.7 | 10.5 | 13.1 | 18.1 | 18.5 | 14.1 | 9.9 | 16.7 |
| Not At All Vacant | 9.0 | 7.0 | 7.0 | 12.1 | 10.4 | 6.7 | 4.9 | 5.6 | 13.4 | 5.8 | 9.3 | 10.5 |
| Number of Establishments | | | | | | | | | | | | |
| One | 9.6 | 6.4 | 6.2 | 11.7 | 12.4 | 9.0 | 5.0 | 4.9 | 14.6 | 7.2 | 8.0 | 11.2 |
| 2 to 5 | 19.1 | 15.9 | 13.2 | 21.8 | 13.9 | 11.6 | 8.9 | 14.8 | 22.2 | 9.2 | 14.4 | 10.2 |
| 6 to 10 | 28.6 | 32.1 | 35.2 | 19.5 | 21.9 | 15.0 | 39.4 | 19.4 | 14.0 | 30.3 | 38.7 | 17.1 |
| 11 to 20 | 37.4 | 24.6 | 44.3 | 35.9 | 35.9 | 26.4 | 26.1 | 29.4 | 44.1 | 23.3 | 30.7 | 36.0 |
| More than 20 | 61.7 | 47.0 | 37.2 | 45.0 | 17.7 | 21.9 | 23.8 | 37.2 | 54.0 | 35.1 | 27.7 | 18.7 |
| Currently Unoccupied | 64.7 | 45.8 | 58.4 | 87.7 | 44.0 | 30.3 | 21.9 | 73.2 | 38.8 | 38.2 | 53.8 | 19.6 |

RSEs for Table C5. Consumption and Gross Energy Intensity by Census Region for Sum of Major Fuels for Non-Mall Buildings, 2003

| | RSEs for Sum of Major Fuel Consumption | | | | RSEs for Total Floorspace of Buildings | | | | RSEs for Energy Intensity for Sum of Major Fuels | | | |
|---|--|----------|-------|-------|--|----------|-------|------|--|----------|-------|-------|
| | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west | South | West |
| All Buildings* | 9.6 | 5.7 | 7.2 | 10.4 | 9.6 | 7.1 | 4.6 | 4.8 | 11.1 | 6.5 | 8.2 | 9.2 |
| Predominant Exterior Wall Material | | | | | | | | | | | | |
| Brick, Stone or Stucco | 12.2 | 8.0 | 5.3 | 13.5 | 11.5 | 8.8 | 6.7 | 9.8 | 14.8 | 9.1 | 6.1 | 11.0 |
| Concrete (Block or Poured) | 20.9 | 17.1 | 17.9 | 16.5 | 14.9 | 16.2 | 9.0 | 8.1 | 24.8 | 11.1 | 17.0 | 13.6 |
| Concrete Panels | 27.0 | 15.8 | 35.9 | 44.1 | 29.6 | 13.8 | 18.8 | 20.1 | 34.3 | 13.1 | 31.4 | 32.4 |
| Siding or Shingles | 23.2 | 21.1 | 18.1 | 32.5 | 22.5 | 13.7 | 16.4 | 28.1 | 15.0 | 19.6 | 22.7 | 29.5 |
| Metal Panels | 48.3 | 20.0 | 27.3 | 26.8 | 20.5 | 15.4 | 13.4 | 19.1 | 38.1 | 14.7 | 30.5 | 12.5 |
| Window Glass | 55.0 | 66.0 | 36.9 | 44.8 | 27.6 | 51.4 | 23.5 | 43.9 | 44.0 | 59.3 | 26.9 | 36.3 |
| Other | 51.1 | 60.3 | 43.4 | 49.8 | 32.5 | 30.8 | 38.7 | 39.9 | 39.7 | 53.2 | 12.1 | 30.7 |
| No One Major Type | X | 60.0 | 53.6 | 100.4 | 47.6 | 27.3 | 49.1 | 52.2 | X | 42.8 | 14.1 | 105.5 |
| Predominant Roof Material | | | | | | | | | | | | |
| Built-Up | 12.8 | 9.1 | 14.1 | 20.4 | 11.0 | 8.9 | 7.9 | 7.7 | 15.8 | 9.2 | 11.5 | 17.7 |
| Shingles (Not Wood) | 18.7 | 14.2 | 12.5 | 20.9 | 10.6 | 8.4 | 10.6 | 10.7 | 16.9 | 13.4 | 12.0 | 23.3 |
| Metal Surfacing | 25.6 | 15.3 | 12.8 | 21.9 | 33.9 | 14.3 | 13.0 | 14.1 | 25.0 | 9.8 | 13.6 | 11.6 |
| Synthetic or Rubber | 18.4 | 10.9 | 15.5 | 18.4 | 10.8 | 10.7 | 11.8 | 17.3 | 14.4 | 7.3 | 15.6 | 21.0 |
| Slate or Tile | 24.0 | 28.5 | 20.6 | 21.7 | 15.3 | 20.6 | 13.6 | 32.3 | 34.8 | 19.5 | 14.8 | 42.7 |
| Wooden Materials | 57.3 | 55.6 | 23.9 | 35.3 | 43.7 | 32.1 | 22.4 | 34.3 | 54.7 | 37.5 | 27.7 | 35.2 |
| Concrete | X | 70.8 | 48.7 | 44.7 | 89.0 | 62.1 | 38.6 | 28.6 | X | 74.4 | 35.8 | 34.3 |
| Other | 100.1 | 43.9 | 59.1 | 39.4 | 68.9 | 37.2 | 64.0 | 44.4 | 104.8 | 43.1 | 168.9 | 25.2 |
| No One Major Type | 45.3 | 50.9 | 66.1 | 72.4 | 46.4 | 40.1 | 49.6 | 48.2 | 28.9 | 39.9 | 25.1 | 69.5 |
| Renovations in Buildings Constructed Before 1980 (more than one may apply) | | | | | | | | | | | | |
| Any Type of Renovation | | | | | | | | | | | | |
| Since 1980 | 11.6 | 11.4 | 11.2 | 9.6 | 13.4 | 9.4 | 7.6 | 12.2 | 11.1 | 8.2 | 10.1 | 10.1 |
| Addition or Annex | 28.4 | 17.9 | 18.4 | 12.4 | 26.9 | 12.7 | 10.4 | 12.1 | 26.7 | 10.4 | 10.7 | 12.6 |
| Reduction In Floorspace | 40.2 | 46.7 | 78.5 | 74.1 | 35.4 | 46.0 | 40.2 | 64.1 | 27.3 | 24.6 | 76.6 | 12.7 |
| Cosmetic Improvements | 12.2 | 11.6 | 13.3 | 12.4 | 12.6 | 9.5 | 10.6 | 13.3 | 12.8 | 9.4 | 13.8 | 11.8 |
| Wall or Roof Replacement | 22.2 | 15.8 | 20.0 | 23.4 | 14.4 | 12.1 | 15.0 | 18.4 | 22.4 | 10.1 | 11.0 | 20.6 |
| Interior Wall | | | | | | | | | | | | |
| Re-Configuration | 17.1 | 11.9 | 18.2 | 14.5 | 12.5 | 10.9 | 13.4 | 14.6 | 20.3 | 6.9 | 12.5 | 11.2 |
| HVAC Equipment Upgrade | 15.6 | 13.7 | 14.8 | 14.1 | 11.9 | 10.3 | 10.9 | 15.3 | 16.4 | 9.3 | 10.4 | 12.4 |
| Lighting Upgrade | 12.8 | 10.4 | 16.2 | 14.0 | 13.4 | 10.8 | 16.0 | 12.8 | 12.1 | 9.3 | 13.0 | 10.7 |
| Window Replacement | 18.1 | 14.4 | 21.1 | 26.9 | 13.1 | 11.2 | 18.0 | 19.5 | 21.7 | 14.4 | 19.0 | 15.5 |
| Plumbing System Upgrade | 19.5 | 15.8 | 21.0 | 22.6 | 14.2 | 14.2 | 17.5 | 18.5 | 23.5 | 9.8 | 13.9 | 20.0 |
| Insulation Upgrade | 20.4 | 15.4 | 32.8 | 26.1 | 22.3 | 13.4 | 19.0 | 28.3 | 20.5 | 13.9 | 18.4 | 24.3 |
| Other Renovation | 46.4 | 48.3 | 90.0 | 58.9 | 41.2 | 39.8 | 65.3 | 50.0 | 47.0 | 26.1 | 188.9 | 82.2 |
| No Renovations Since 1980 | 7.5 | 11.6 | 22.1 | 12.0 | 13.2 | 13.5 | 10.6 | 7.2 | 17.3 | 12.3 | 18.4 | 9.4 |
| Building Newer than 1980 | 22.0 | 9.4 | 8.5 | 18.1 | 13.1 | 9.7 | 8.4 | 10.9 | 18.2 | 8.3 | 10.5 | 13.2 |
| Energy Sources (more than one may apply) | | | | | | | | | | | | |
| Electricity | 9.6 | 5.7 | 7.2 | 10.4 | 9.5 | 9.8 | 4.7 | 4.6 | 11.6 | 8.1 | 6.1 | 7.8 |
| Natural Gas | 10.6 | 6.9 | 10.2 | 13.7 | 10.1 | 6.3 | 10.0 | 8.1 | 15.1 | 3.5 | 8.2 | 7.4 |
| Fuel Oil | 18.1 | 11.7 | 15.4 | 27.4 | 16.5 | 12.9 | 18.2 | 15.8 | 9.2 | 9.8 | 9.2 | 22.8 |
| District Heat | 46.3 | 34.0 | 31.8 | 47.0 | 19.9 | 34.2 | 20.7 | 23.2 | 38.5 | 42.4 | 27.0 | 40.5 |
| District Chilled Water | 55.4 | 41.4 | 26.8 | 63.3 | 23.3 | 28.9 | 19.9 | 21.9 | 53.7 | 36.5 | 28.2 | 60.2 |
| Propane | 32.1 | 21.4 | 18.6 | 37.5 | 36.7 | 34.5 | 15.3 | 22.2 | 12.0 | 18.1 | 15.3 | 29.4 |
| Other | 43.3 | 38.0 | 50.2 | 62.7 | 33.8 | 24.2 | 20.0 | 30.5 | 20.0 | 24.8 | 36.7 | 29.9 |

RSEs for Table C5. Consumption and Gross Energy Intensity by Census Region for Sum of Major Fuels for Non-Mall Buildings, 2003

| | RSEs for Sum of Major Fuel Consumption | | | | RSEs for Total Floorspace of Buildings | | | | RSEs for Energy Intensity for Sum of Major Fuels | | | |
|---|--|----------|-------|------|--|----------|-------|------|--|----------|-------|------|
| | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west | South | West |
| All Buildings* | 9.6 | 5.7 | 7.2 | 10.4 | 9.6 | 7.1 | 4.6 | 4.8 | 11.1 | 6.5 | 8.2 | 9.2 |
| Space-Heating Energy Sources (more than one may apply) | | | | | | | | | | | | |
| Electricity | 19.5 | 10.2 | 8.5 | 19.5 | 12.4 | 6.6 | 8.2 | 10.7 | 15.2 | 8.0 | 10.5 | 17.2 |
| Natural Gas | 10.2 | 6.9 | 11.3 | 15.6 | 10.7 | 6.8 | 10.1 | 9.5 | 12.2 | 4.6 | 9.3 | 9.7 |
| Fuel Oil | 21.6 | 19.9 | 22.9 | 24.3 | 25.7 | 14.4 | 21.5 | 13.0 | 31.5 | 17.0 | 18.8 | 23.7 |
| District Heat | 46.3 | 34.0 | 31.8 | 47.0 | 20.4 | 34.3 | 21.4 | 23.9 | 38.1 | 42.3 | 27.9 | 39.7 |
| Propane | 23.4 | 45.2 | 32.5 | 50.0 | 44.7 | 34.7 | 20.5 | 33.9 | 39.7 | 19.0 | 17.7 | 42.2 |
| Other | 37.6 | 57.4 | 77.4 | 71.3 | 38.9 | 39.6 | 30.9 | 44.7 | 8.5 | 38.3 | 57.9 | 24.6 |
| Primary Space-Heating Energy Source | | | | | | | | | | | | |
| Electricity | 23.8 | 14.6 | 9.2 | 16.6 | 14.9 | 12.3 | 11.6 | 15.7 | 13.8 | 11.6 | 9.7 | 9.6 |
| Natural Gas | 10.7 | 6.7 | 11.8 | 15.6 | 10.4 | 7.0 | 10.4 | 10.9 | 12.3 | 4.9 | 9.6 | 10.3 |
| Fuel Oil | 24.0 | 52.6 | 23.0 | 60.9 | 28.7 | 24.3 | 37.8 | 26.4 | 32.3 | 60.0 | 24.5 | 47.4 |
| District Heat | 48.4 | 34.0 | 33.3 | 48.5 | 20.1 | 36.1 | 22.4 | 20.9 | 39.5 | 42.7 | 29.7 | 43.0 |
| Propane | 51.2 | 61.4 | 40.6 | 69.3 | 51.5 | 38.3 | 28.5 | 41.0 | 27.0 | 21.7 | 16.5 | 69.1 |
| Other | 76.3 | 71.3 | 62.8 | 42.0 | 45.3 | 45.3 | 43.4 | 36.1 | 36.8 | 52.2 | 63.3 | 12.0 |
| Cooling Energy Sources (more than one may apply) | | | | | | | | | | | | |
| Electricity | 10.4 | 6.6 | 7.7 | 11.9 | 9.3 | 6.2 | 4.4 | 6.3 | 11.6 | 4.4 | 8.0 | 8.7 |
| Natural Gas | 37.3 | 35.5 | 67.2 | 40.3 | 30.5 | 33.9 | 30.6 | 49.2 | 37.6 | 30.3 | 38.2 | 85.1 |
| District Chilled Water | 55.4 | 41.4 | 26.8 | 63.3 | 23.3 | 28.9 | 19.9 | 21.9 | 53.7 | 36.5 | 28.2 | 60.2 |
| Water-Heating Energy Sources (more than one may apply) | | | | | | | | | | | | |
| Electricity | 14.6 | 9.1 | 9.5 | 11.2 | 13.3 | 10.3 | 8.2 | 10.6 | 14.3 | 10.1 | 11.6 | 6.8 |
| Natural Gas | 12.1 | 8.3 | 13.3 | 14.9 | 12.0 | 7.7 | 9.9 | 8.0 | 15.9 | 5.2 | 10.2 | 11.1 |
| Fuel Oil | 26.8 | 45.8 | 47.1 | 77.1 | 24.8 | 31.8 | 47.7 | 62.2 | 40.4 | 32.9 | 24.7 | 15.0 |
| District Heat | 50.1 | 35.1 | 34.2 | 48.5 | 22.6 | 23.9 | 32.7 | 30.7 | 36.8 | 34.9 | 30.1 | 43.8 |
| Propane | 43.7 | 62.4 | 37.0 | 73.9 | 42.5 | 32.4 | 33.7 | 50.6 | 21.6 | 36.2 | 13.5 | 71.0 |
| Cooking Energy Sources (more than one may apply) | | | | | | | | | | | | |
| Electricity | 24.5 | 13.9 | 16.0 | 32.9 | 13.3 | 10.9 | 12.0 | 13.3 | 24.8 | 10.6 | 12.4 | 25.5 |
| Natural Gas | 19.5 | 11.5 | 16.2 | 21.9 | 21.4 | 10.2 | 10.6 | 14.1 | 27.1 | 9.7 | 11.1 | 15.9 |
| Propane | 34.6 | 58.5 | 26.9 | 54.4 | 36.4 | 37.0 | 28.6 | 27.8 | 14.8 | 41.0 | 21.8 | 46.8 |
| Energy End Uses (more than one may apply) | | | | | | | | | | | | |
| Buildings with Space Heating | 9.7 | 5.7 | 7.3 | 10.7 | 9.3 | 7.2 | 4.4 | 4.9 | 11.3 | 6.3 | 7.8 | 8.8 |
| Buildings with Cooling | 10.6 | 6.6 | 7.2 | 11.5 | 9.1 | 6.1 | 4.5 | 5.8 | 11.6 | 4.7 | 7.7 | 8.9 |
| Buildings with Water Heating | 9.5 | 5.8 | 7.4 | 10.7 | 9.4 | 5.8 | 4.4 | 5.5 | 11.2 | 5.2 | 7.7 | 9.0 |
| Buildings with Cooking | 17.8 | 10.0 | 13.8 | 19.3 | 17.0 | 9.2 | 9.2 | 10.9 | 22.9 | 7.5 | 9.5 | 13.8 |
| Buildings with Manufacturing | 35.0 | 34.8 | 37.5 | 49.8 | 32.8 | 16.9 | 24.4 | 29.8 | 35.3 | 28.8 | 36.9 | 32.1 |
| Buildings with Electricity Generation | 22.1 | 11.1 | 11.6 | 26.8 | 12.2 | 11.2 | 13.8 | 14.2 | 22.4 | 9.0 | 10.2 | 21.6 |
| Percent of Floorspace Heated | | | | | | | | | | | | |
| Not Heated | 23.0 | 59.7 | 34.9 | 36.6 | 32.6 | 18.3 | 12.6 | 20.3 | 40.1 | 53.9 | 32.3 | 24.4 |
| 1 to 50 | 32.2 | 37.0 | 28.7 | 21.7 | 26.7 | 22.2 | 18.9 | 12.8 | 24.0 | 18.2 | 29.8 | 14.1 |
| 51 to 99 | 15.7 | 16.1 | 13.2 | 22.5 | 13.0 | 14.9 | 14.4 | 14.3 | 13.6 | 14.3 | 10.5 | 12.4 |
| 100 | 10.3 | 6.5 | 8.4 | 14.8 | 12.3 | 7.4 | 6.2 | 7.0 | 13.8 | 7.0 | 8.1 | 12.2 |

RSEs for Table C5. Consumption and Gross Energy Intensity by Census Region for Sum of Major Fuels for Non-Mall Buildings, 2003

| | RSEs for Sum of Major Fuel Consumption | | | | RSEs for Total Floorspace of Buildings | | | | RSEs for Energy Intensity for Sum of Major Fuels | | | |
|---|--|----------|-------|------|--|----------|-------|------|--|----------|-------|------|
| | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west | South | West |
| All Buildings* | 9.6 | 5.7 | 7.2 | 10.4 | 9.6 | 7.1 | 4.6 | 4.8 | 11.1 | 6.5 | 8.2 | 9.2 |
| Percent of Floorspace Cooled | | | | | | | | | | | | |
| Not Cooled | 27.3 | 26.0 | 25.7 | 21.7 | 25.2 | 25.5 | 16.7 | 19.6 | 31.5 | 15.4 | 17.6 | 18.1 |
| 1 to 50 | 14.9 | 16.6 | 22.3 | 29.2 | 14.8 | 10.4 | 14.3 | 16.1 | 15.5 | 11.0 | 21.3 | 20.1 |
| 51 to 99 | 20.1 | 12.9 | 11.0 | 14.3 | 13.4 | 11.9 | 9.2 | 12.9 | 19.0 | 9.3 | 7.1 | 12.1 |
| 100 | 17.0 | 9.2 | 8.2 | 19.6 | 10.0 | 7.2 | 7.0 | 9.9 | 14.4 | 6.3 | 7.8 | 16.1 |
| Percent Lit When Open | | | | | | | | | | | | |
| Zero | 66.3 | 96.0 | 45.5 | 81.7 | 60.3 | 58.0 | 39.4 | 53.4 | 43.5 | 88.2 | 31.2 | 70.9 |
| 1 to 50 | 20.5 | 11.6 | 16.3 | 25.6 | 20.0 | 7.4 | 13.5 | 8.9 | 23.7 | 12.2 | 17.4 | 18.7 |
| 51 to 99 | 15.2 | 12.3 | 9.4 | 12.5 | 8.8 | 9.7 | 6.8 | 10.1 | 13.5 | 6.6 | 9.0 | 11.0 |
| 100 | 13.9 | 8.3 | 9.1 | 16.2 | 11.2 | 9.5 | 5.7 | 7.3 | 17.1 | 11.4 | 10.1 | 12.5 |
| Building Never Open/ Electricity Not Used | 60.5 | 34.4 | 53.2 | 88.3 | 34.3 | 24.6 | 15.5 | 50.4 | 38.1 | 27.7 | 47.5 | 93.4 |
| Percent Lit When Closed | | | | | | | | | | | | |
| Zero | 12.0 | 8.6 | 9.6 | 12.9 | 14.0 | 11.0 | 9.8 | 10.1 | 14.0 | 12.7 | 12.0 | 6.3 |
| 1 to 50 | 13.4 | 8.3 | 10.1 | 5.7 | 10.6 | 7.9 | 5.5 | 6.7 | 16.2 | 8.1 | 10.0 | 4.9 |
| 51 to 100 | 32.4 | 35.8 | 31.8 | 38.4 | 24.1 | 40.8 | 14.6 | 20.5 | 43.2 | 31.7 | 28.4 | 42.3 |
| Building Never Closed/ Electricity Not Used | 24.1 | 12.8 | 18.4 | 25.0 | 11.7 | 9.4 | 8.9 | 11.2 | 20.3 | 12.4 | 16.3 | 20.6 |
| Heating Equipment (more than one may apply) | | | | | | | | | | | | |
| Heat Pumps | 32.7 | 20.8 | 16.3 | 41.0 | 19.4 | 23.1 | 10.6 | 14.8 | 28.3 | 15.0 | 15.8 | 34.7 |
| Packaged Heat Pumps | 38.5 | 24.6 | 23.7 | 51.3 | 24.0 | 22.8 | 8.3 | 20.6 | 29.9 | 21.0 | 20.5 | 42.0 |
| Split-System Heat Pumps | 32.8 | 24.7 | 32.6 | 37.6 | 21.3 | 38.6 | 21.2 | 27.7 | 32.2 | 24.6 | 31.8 | 25.9 |
| Individual Room Heat Pumps | 45.4 | 40.4 | 22.7 | 30.8 | 25.2 | 40.7 | 17.8 | 19.4 | 41.3 | 30.7 | 13.8 | 40.7 |
| Furnaces | 16.7 | 7.7 | 11.2 | 16.1 | 15.7 | 7.1 | 9.3 | 10.0 | 14.1 | 5.9 | 11.4 | 12.0 |
| Individual Space Heaters | 25.7 | 12.7 | 20.3 | 15.1 | 16.8 | 10.4 | 10.9 | 12.5 | 21.4 | 10.0 | 19.7 | 11.4 |
| District Heat | 46.3 | 34.0 | 31.8 | 47.0 | 20.9 | 34.5 | 21.4 | 23.9 | 37.7 | 42.3 | 27.9 | 39.7 |
| Boilers | 14.9 | 8.0 | 19.1 | 18.9 | 16.1 | 7.7 | 15.6 | 13.0 | 18.3 | 6.1 | 12.0 | 16.0 |
| Packaged Heating Units | 20.2 | 11.4 | 8.1 | 14.6 | 13.1 | 10.6 | 7.0 | 9.3 | 15.4 | 9.6 | 7.6 | 9.4 |
| Other | 21.3 | 24.6 | 21.3 | 37.9 | 24.7 | 20.5 | 19.9 | 25.6 | 21.2 | 11.0 | 17.2 | 16.0 |
| Cooling Equipment (more than one may apply) | | | | | | | | | | | | |
| Residential-Type Central | | | | | | | | | | | | |
| Air Conditioners | 22.5 | 9.4 | 28.1 | 13.8 | 19.0 | 7.0 | 13.3 | 15.0 | 29.8 | 8.2 | 23.1 | 16.7 |
| Heat Pumps | 31.3 | 19.8 | 16.5 | 38.8 | 19.3 | 22.6 | 12.2 | 14.4 | 28.7 | 15.0 | 17.1 | 32.9 |
| Packaged Heat Pumps | 35.6 | 24.8 | 24.6 | 51.1 | 24.2 | 22.6 | 9.4 | 20.4 | 37.4 | 20.6 | 20.9 | 41.8 |
| Split-System Heat Pumps | 32.8 | 21.6 | 32.5 | 37.0 | 21.3 | 33.5 | 21.4 | 26.7 | 32.2 | 26.2 | 30.4 | 26.1 |
| Individual Room Heat Pumps | 45.4 | 40.4 | 22.0 | 28.8 | 24.5 | 40.7 | 21.6 | 20.9 | 41.2 | 30.7 | 16.0 | 32.1 |
| Individual Air Conditioners | 15.1 | 9.8 | 17.7 | 19.0 | 17.8 | 9.2 | 11.5 | 13.5 | 21.0 | 9.0 | 17.1 | 9.1 |
| District Chilled Water | 55.4 | 41.4 | 26.8 | 63.3 | 23.3 | 28.9 | 19.9 | 21.9 | 53.7 | 36.5 | 28.2 | 60.2 |
| Central Chillers | 23.1 | 10.8 | 18.0 | 29.2 | 15.5 | 12.4 | 14.8 | 22.1 | 15.6 | 11.4 | 11.0 | 25.2 |
| Packaged Air Conditioning | | | | | | | | | | | | |
| Units | 11.2 | 8.6 | 7.0 | 10.3 | 12.6 | 7.9 | 7.2 | 7.2 | 16.4 | 6.7 | 9.1 | 7.1 |
| Swamp Coolers | X | 101.3 | 48.4 | 17.3 | 89.6 | 89.9 | 31.7 | 17.0 | X | 101.1 | 55.1 | 9.0 |
| Other | 60.0 | 29.1 | 33.0 | 38.1 | 32.1 | 38.3 | 39.7 | 36.5 | 46.2 | 28.8 | 62.2 | 10.4 |
| Main Equipment Replaced Since 1990 (more than one may apply) | | | | | | | | | | | | |
| Heating | 12.3 | 10.8 | 14.8 | 31.8 | 15.2 | 7.4 | 8.6 | 12.8 | 13.4 | 8.3 | 13.3 | 25.6 |
| Cooling | 14.0 | 11.6 | 15.0 | 21.8 | 13.4 | 9.4 | 7.9 | 8.0 | 10.2 | 6.1 | 14.0 | 18.6 |

RSEs for Table C5. Consumption and Gross Energy Intensity by Census Region for Sum of Major Fuels for Non-Mall Buildings, 2003

| | RSEs for Sum of Major Fuel Consumption | | | | RSEs for Total Floorspace of Buildings | | | | RSEs for Energy Intensity for Sum of Major Fuels | | | |
|--|--|----------|-------|------|--|----------|-------|------|--|----------|-------|------|
| | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west | South | West |
| All Buildings* | 9.6 | 5.7 | 7.2 | 10.4 | 9.6 | 7.1 | 4.6 | 4.8 | 11.1 | 6.5 | 8.2 | 9.2 |
| Water Heating Equipment | | | | | | | | | | | | |
| Centralized System | 8.0 | 7.7 | 8.0 | 12.2 | 7.9 | 5.6 | 6.9 | 6.6 | 11.2 | 6.3 | 7.6 | 8.5 |
| Distributed System | 33.8 | 20.1 | 13.2 | 17.5 | 27.3 | 16.8 | 8.2 | 13.8 | 37.4 | 11.1 | 12.2 | 12.1 |
| Combination of Centralized and Distributed System | 19.3 | 17.5 | 16.5 | 24.4 | 17.0 | 9.5 | 8.7 | 15.2 | 14.8 | 11.8 | 17.4 | 19.2 |
| Lighting Equipment Types (more than one may apply) | | | | | | | | | | | | |
| Incandescent | 13.6 | 6.7 | 9.4 | 15.3 | 12.3 | 6.5 | 6.1 | 8.0 | 18.5 | 5.4 | 8.9 | 12.3 |
| Standard Fluorescent | 9.7 | 5.7 | 7.4 | 10.7 | 9.6 | 7.2 | 4.6 | 5.1 | 12.0 | 6.3 | 8.2 | 9.0 |
| Compact Fluorescent | 17.1 | 6.6 | 11.0 | 15.6 | 12.4 | 8.3 | 9.0 | 7.3 | 16.2 | 6.1 | 8.3 | 13.1 |
| High Intensity Discharge | 15.9 | 8.2 | 10.8 | 11.1 | 12.2 | 11.9 | 7.7 | 6.5 | 15.1 | 9.5 | 9.3 | 7.0 |
| Halogen | 17.5 | 11.5 | 13.7 | 16.4 | 10.7 | 8.1 | 8.6 | 14.2 | 16.7 | 9.7 | 12.1 | 7.8 |
| Other | 71.0 | 92.5 | 51.4 | 75.7 | 62.9 | 77.8 | 47.1 | 82.4 | 65.8 | 13.9 | 22.5 | 58.8 |
| Refrigeration Equipment (more than one may apply)^a | | | | | | | | | | | | |
| Any Refrigeration..... | 10.5 | 6.1 | 7.4 | 12.3 | 9.3 | 6.1 | 4.4 | 5.2 | 11.7 | 5.3 | 7.3 | 9.9 |
| Commercial Refrigeration | 15.0 | 9.6 | 11.5 | 16.4 | 12.2 | 10.1 | 7.2 | 9.6 | 17.9 | 7.6 | 8.8 | 13.5 |
| Walk-In Units | 16.2 | 9.5 | 12.0 | 17.8 | 16.6 | 9.4 | 8.6 | 9.9 | 22.1 | 9.5 | 9.5 | 16.3 |
| Cases or Cabinets | 15.2 | 13.8 | 10.9 | 18.0 | 10.6 | 12.3 | 7.3 | 11.9 | 14.1 | 8.0 | 8.6 | 14.2 |
| Residential-Type Units | 13.3 | 8.5 | 9.8 | 9.8 | 10.0 | 7.3 | 5.9 | 5.8 | 16.0 | 3.8 | 9.0 | 6.6 |
| Vending Machines | 13.1 | 7.2 | 8.2 | 14.7 | 10.2 | 8.5 | 5.5 | 8.1 | 13.7 | 6.8 | 8.1 | 10.3 |
| No Refrigeration | 17.2 | 16.4 | 19.7 | 19.7 | 16.9 | 17.4 | 11.4 | 13.0 | 16.7 | 18.1 | 18.1 | 19.2 |
| Office Equipment (more than one may apply) | | | | | | | | | | | | |
| Computers | 9.9 | 6.3 | 8.0 | 11.6 | 9.0 | 6.4 | 4.7 | 5.1 | 11.7 | 5.7 | 8.2 | 9.1 |
| With Flat Screen Monitors | 16.9 | 7.3 | 13.2 | 16.0 | 11.2 | 7.7 | 9.2 | 9.6 | 13.2 | 5.1 | 9.8 | 14.1 |
| Dedicated Servers | 13.0 | 8.8 | 11.3 | 14.7 | 10.4 | 7.4 | 7.0 | 6.1 | 12.5 | 5.2 | 10.2 | 11.6 |
| Laser Printers | 10.5 | 7.4 | 8.9 | 19.4 | 8.4 | 5.1 | 7.0 | 8.2 | 12.2 | 7.9 | 9.6 | 15.1 |
| Inkjet Printers | 14.6 | 8.1 | 12.2 | 13.3 | 11.9 | 7.9 | 7.0 | 9.6 | 12.4 | 4.0 | 10.5 | 7.3 |
| FAX Machines | 10.4 | 7.1 | 8.2 | 11.8 | 9.3 | 6.1 | 5.1 | 6.4 | 11.9 | 5.0 | 8.2 | 8.5 |
| Photocopiers | 11.2 | 7.1 | 8.5 | 13.6 | 9.2 | 6.6 | 5.5 | 7.2 | 13.3 | 5.2 | 8.2 | 10.1 |
| Number of Computers | | | | | | | | | | | | |
| None | 14.1 | 14.4 | 21.4 | 22.4 | 21.1 | 16.6 | 11.7 | 21.8 | 22.6 | 16.0 | 18.7 | 25.9 |
| 1 to 4 | 16.4 | 11.8 | 9.2 | 15.8 | 16.1 | 13.7 | 7.7 | 11.9 | 21.9 | 11.4 | 11.8 | 9.2 |
| 5 to 9 | 23.4 | 21.6 | 9.7 | 19.5 | 20.9 | 11.2 | 10.2 | 13.3 | 23.5 | 14.4 | 9.7 | 25.4 |
| 10 to 19 | 28.7 | 17.5 | 18.6 | 15.0 | 18.2 | 12.7 | 15.5 | 13.9 | 19.6 | 10.7 | 12.2 | 13.2 |
| 20 to 49 | 16.3 | 15.6 | 19.9 | 19.1 | 22.0 | 14.3 | 13.1 | 14.0 | 15.5 | 11.3 | 18.8 | 12.0 |
| 50 to 99 | 26.9 | 18.4 | 19.2 | 12.5 | 28.2 | 14.3 | 16.0 | 15.5 | 50.7 | 15.4 | 15.1 | 11.1 |
| 100 to 249 | 30.6 | 13.8 | 10.4 | 27.4 | 18.4 | 12.9 | 9.9 | 19.1 | 15.5 | 14.6 | 8.7 | 24.4 |
| 250 or More | 24.6 | 10.7 | 22.5 | 32.2 | 11.6 | 17.0 | 19.1 | 19.1 | 27.6 | 14.0 | 15.2 | 25.0 |
| Number of Dedicated Servers | | | | | | | | | | | | |
| None | 11.2 | 7.1 | 7.0 | 8.4 | 11.9 | 10.4 | 7.7 | 6.2 | 15.9 | 12.0 | 8.0 | 7.5 |
| 1 to 4 | 11.0 | 9.0 | 10.8 | 12.1 | 13.4 | 6.3 | 8.0 | 7.5 | 13.2 | 6.5 | 11.7 | 8.5 |
| 5 to 9 | 24.4 | 18.8 | 43.1 | 34.7 | 27.7 | 15.3 | 24.5 | 25.4 | 30.9 | 18.1 | 27.9 | 33.7 |
| 10 to 19 | 35.4 | 27.1 | 23.4 | 27.5 | 29.2 | 20.4 | 22.3 | 15.5 | 45.4 | 22.5 | 29.8 | 17.1 |
| 20 to 49 | 40.2 | 38.8 | 30.2 | 32.1 | 26.2 | 23.0 | 30.3 | 25.3 | 41.3 | 26.2 | 26.5 | 19.9 |
| 50 or More | 40.5 | 30.2 | 31.0 | 62.6 | 24.5 | 55.5 | 37.8 | 40.6 | 33.7 | 21.4 | 17.4 | 51.2 |

RSEs for Table C5. Consumption and Gross Energy Intensity by Census Region for Sum of Major Fuels for Non-Mall Buildings, 2003

| | RSEs for Sum of Major Fuel Consumption | | | | RSEs for Total Floorspace of Buildings | | | | RSEs for Energy Intensity for Sum of Major Fuels | | | |
|--|--|----------|-------|------|--|----------|-------|------|--|----------|-------|------|
| | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west | South | West |
| All Buildings* | 9.6 | 5.7 | 7.2 | 10.4 | 9.6 | 7.1 | 4.6 | 4.8 | 11.1 | 6.5 | 8.2 | 9.2 |
| Number of Photocopiers | | | | | | | | | | | | |
| None | 14.9 | 10.8 | 11.7 | 11.9 | 19.7 | 12.7 | 9.7 | 10.7 | 13.8 | 16.1 | 11.6 | 13.3 |
| One | 11.1 | 11.4 | 11.8 | 10.4 | 15.3 | 9.6 | 8.9 | 13.0 | 17.8 | 5.8 | 11.8 | 8.8 |
| 2 to 4 | 11.3 | 8.5 | 13.9 | 16.5 | 11.9 | 7.6 | 10.6 | 8.9 | 12.1 | 6.9 | 12.2 | 11.2 |
| 5 to 9 | 35.5 | 16.5 | 18.2 | 26.3 | 23.4 | 11.9 | 14.4 | 14.0 | 39.6 | 16.8 | 18.6 | 21.5 |
| 10 or More | 25.5 | 12.7 | 22.7 | 28.6 | 14.3 | 15.4 | 18.4 | 17.6 | 28.7 | 13.2 | 13.7 | 20.7 |
| Energy-Related Space Functions (more than one may apply) | | | | | | | | | | | | |
| Commercial Food Preparation | 17.8 | 10.0 | 13.8 | 19.6 | 17.0 | 9.2 | 9.2 | 10.9 | 22.9 | 7.5 | 9.5 | 14.0 |
| Activities with Large Amounts of Hot Water | 20.1 | 10.4 | 14.8 | 18.1 | 20.1 | 9.5 | 7.6 | 8.7 | 28.9 | 9.2 | 12.5 | 17.0 |
| Separate Computer Area | 15.1 | 10.6 | 13.3 | 17.7 | 10.0 | 9.0 | 8.9 | 8.2 | 16.3 | 5.9 | 10.0 | 13.2 |
| HVAC Conservation Features (more than one may apply) | | | | | | | | | | | | |
| Variable Air-Volume System | 20.1 | 8.9 | 14.2 | 21.7 | 12.2 | 9.0 | 10.6 | 10.9 | 17.8 | 6.4 | 11.2 | 17.2 |
| Economizer Cycle | 17.9 | 7.8 | 13.5 | 14.6 | 14.5 | 7.5 | 11.1 | 8.6 | 14.7 | 6.6 | 10.5 | 12.9 |
| HVAC Maintenance | 11.1 | 5.8 | 8.6 | 11.3 | 10.7 | 8.1 | 5.7 | 4.1 | 12.3 | 6.4 | 7.9 | 9.9 |
| Energy Management and Control System (EMCS) | 21.2 | 12.0 | 14.2 | 21.9 | 9.6 | 10.3 | 10.9 | 12.0 | 21.8 | 8.5 | 10.9 | 17.0 |
| Window and Interior Lighting Features (more than one may apply) | | | | | | | | | | | | |
| Multipaned Windows | 11.9 | 7.8 | 8.1 | 13.7 | 11.1 | 6.2 | 5.6 | 6.6 | 13.4 | 5.1 | 8.0 | 11.0 |
| Tinted Window Glass | 16.0 | 6.5 | 10.1 | 16.4 | 13.4 | 11.9 | 6.3 | 6.8 | 19.1 | 10.5 | 10.2 | 13.1 |
| Reflective Window Glass | 30.3 | 14.9 | 18.1 | 19.1 | 12.0 | 12.4 | 10.5 | 10.4 | 28.0 | 10.7 | 17.3 | 19.7 |
| External Overhangs or Awnings | 22.6 | 12.9 | 16.2 | 19.5 | 15.2 | 10.8 | 9.1 | 9.0 | 26.4 | 8.4 | 13.6 | 16.7 |
| Skylights or Atriums | 19.8 | 12.7 | 15.0 | 24.5 | 12.8 | 11.7 | 11.4 | 13.5 | 20.5 | 10.7 | 12.9 | 17.6 |
| Daylighting Sensors | 47.3 | 22.2 | 21.5 | 43.0 | 25.1 | 19.6 | 20.9 | 25.3 | 33.8 | 23.0 | 18.5 | 34.1 |
| Specular Reflectors | 19.0 | 5.8 | 15.0 | 16.2 | 11.9 | 10.1 | 8.2 | 8.9 | 15.6 | 8.2 | 12.9 | 11.5 |
| Electronic Ballasts | 12.5 | 6.5 | 8.1 | 13.2 | 11.2 | 7.9 | 5.5 | 6.0 | 13.0 | 7.5 | 8.9 | 10.1 |
| Energy Management and Control System (EMCS) For Lighting | 33.7 | 12.8 | 25.6 | 27.2 | 13.4 | 20.4 | 22.1 | 24.5 | 37.6 | 15.9 | 19.3 | 19.0 |
| Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^a | | | | | | | | | | | | |
| Heating | 10.0 | 8.0 | 7.6 | 11.9 | 9.9 | 6.9 | 5.4 | 4.9 | 13.0 | 6.7 | 7.0 | 10.7 |
| Cooling | 9.6 | 9.1 | 7.7 | 11.3 | 9.7 | 6.9 | 5.6 | 5.3 | 12.9 | 6.7 | 7.0 | 9.1 |
| Lighting | 9.7 | 6.0 | 7.5 | 6.0 | 10.8 | 7.8 | 5.3 | 5.0 | 12.1 | 7.4 | 8.8 | 4.0 |
| Office Equipment | 13.8 | 10.9 | 12.0 | 11.8 | 9.8 | 9.8 | 8.9 | 9.5 | 16.4 | 10.4 | 10.9 | 9.4 |

X=No cases in the responding sample reported their consumption for the particular fuel, so relative standard error could not be calculated.

RSEs for Table C6. Expenditures by Census Region for Sum of Major Fuels for Non-Mall Buildings, 2003

| | RSEs for Sum of Major Fuel Expenditures | | | | RSEs for Sum of Major Fuel Expenditures | | | | | | | |
|--|---|----------|-------|------|---|----------|-------|------|-----------------|----------|-------|------|
| | | | | | per Million Btu | | | | per Square Foot | | | |
| | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west | South | West |
| All Buildings* | 10.6 | 6.6 | 5.4 | 12.3 | 6.1 | 4.5 | 4.7 | 4.5 | 14.4 | 7.3 | 6.9 | 11.0 |
| Building Floorspace (Square Feet) | | | | | | | | | | | | |
| 1,001 to 5,000 | 14.5 | 9.3 | 12.9 | 10.9 | 7.8 | 5.9 | 7.1 | 7.3 | 10.8 | 10.5 | 10.3 | 11.9 |
| 5,001 to 10,000 | 11.3 | 18.1 | 10.8 | 35.3 | 12.8 | 15.7 | 12.3 | 15.2 | 14.4 | 12.8 | 9.5 | 34.7 |
| 10,001 to 25,000 | 11.7 | 11.0 | 13.4 | 13.1 | 8.6 | 5.8 | 9.1 | 8.0 | 16.5 | 8.6 | 17.5 | 13.4 |
| 25,001 to 50,000 | 14.6 | 15.0 | 12.7 | 22.7 | 7.9 | 10.7 | 6.7 | 17.9 | 16.2 | 10.5 | 10.5 | 16.4 |
| 50,001 to 100,000 | 26.2 | 16.3 | 9.6 | 22.2 | 21.8 | 6.2 | 5.8 | 9.4 | 27.9 | 15.9 | 10.4 | 15.9 |
| 100,001 to 200,000 | 30.3 | 18.7 | 20.2 | 23.6 | 12.1 | 8.6 | 12.3 | 20.0 | 33.4 | 12.0 | 19.6 | 21.4 |
| 200,001 to 500,000 | 34.9 | 12.7 | 17.7 | 29.5 | 24.9 | 10.1 | 10.1 | 23.6 | 48.2 | 22.4 | 12.6 | 36.5 |
| Over 500,000 | 58.4 | 22.1 | 35.8 | 47.6 | 19.0 | 22.0 | 22.3 | 18.3 | 55.3 | 21.5 | 16.5 | 32.6 |
| Principal Building Activity | | | | | | | | | | | | |
| Education | 25.6 | 13.5 | 14.3 | 10.2 | 11.3 | 10.6 | 9.5 | 8.6 | 23.5 | 7.3 | 10.9 | 13.8 |
| Food Sales | 17.9 | 25.5 | 23.8 | 34.8 | 17.8 | 18.4 | 16.8 | 21.1 | 13.7 | 16.4 | 19.3 | 31.6 |
| Food Service | 40.4 | 19.6 | 16.3 | 32.1 | 21.4 | 15.2 | 12.2 | 7.8 | 39.9 | 20.6 | 17.8 | 28.9 |
| Health Care | 29.0 | 20.9 | 13.1 | 17.3 | 15.0 | 14.7 | 10.6 | 20.0 | 30.3 | 17.3 | 14.9 | 11.7 |
| Inpatient | 34.1 | 21.4 | 19.1 | 26.6 | 12.4 | 16.3 | 11.6 | 28.5 | 37.4 | 21.4 | 26.5 | 24.9 |
| Outpatient | 37.1 | 34.4 | 19.4 | 20.6 | 35.1 | 12.5 | 13.3 | 20.9 | 22.2 | 25.8 | 17.4 | 15.6 |
| Lodging | 30.3 | 16.7 | 26.7 | 48.3 | 8.2 | 4.8 | 11.4 | 7.9 | 55.8 | 12.4 | 20.3 | 45.6 |
| Retail (Other Than Mall)..... | 21.3 | 29.2 | 20.1 | 30.8 | 11.0 | 9.3 | 9.7 | 19.1 | 17.3 | 17.6 | 17.8 | 18.0 |
| Office | 21.6 | 15.4 | 17.7 | 22.3 | 10.5 | 7.7 | 7.6 | 12.0 | 18.8 | 10.5 | 5.4 | 14.3 |
| Public Assembly | 26.8 | 21.8 | 19.4 | 53.2 | 10.1 | 13.1 | 8.4 | 30.1 | 60.5 | 16.2 | 19.1 | 50.0 |
| Public Order and Safety | 36.9 | 26.0 | 42.0 | 30.1 | 31.3 | 15.1 | 15.0 | 9.3 | 70.7 | 30.6 | 41.8 | 21.7 |
| Religious Worship | 23.3 | 13.9 | 16.4 | 24.1 | 5.8 | 8.6 | 10.6 | 13.2 | 12.2 | 7.2 | 6.9 | 20.3 |
| Service | 22.4 | 22.5 | 20.2 | 19.6 | 15.0 | 9.9 | 72.2 | 21.8 | 23.8 | 13.9 | 15.2 | 23.7 |
| Warehouse and Storage | 22.8 | 19.4 | 21.7 | 35.9 | 5.0 | 11.2 | 13.5 | 27.7 | 29.1 | 15.5 | 19.3 | 23.9 |
| Other | 44.4 | 37.6 | 68.7 | 55.4 | 34.6 | 35.0 | 12.7 | 14.6 | 36.6 | 28.5 | 95.2 | 29.4 |
| Vacant | 53.8 | 36.5 | 44.6 | 48.1 | 13.1 | 14.3 | 31.3 | 51.3 | 46.1 | 34.4 | 52.6 | 45.6 |
| Year Constructed | | | | | | | | | | | | |
| Before 1920 | 22.4 | 14.5 | 49.3 | 41.5 | 5.2 | 9.1 | 16.1 | 27.1 | 18.1 | 18.1 | 13.1 | 24.2 |
| 1920 to 1945 | 15.4 | 16.9 | 24.8 | 17.1 | 9.9 | 19.4 | 10.7 | 18.2 | 19.9 | 17.6 | 19.0 | 32.9 |
| 1946 to 1959 | 39.8 | 15.0 | 18.4 | 19.6 | 15.0 | 8.5 | 13.1 | 13.8 | 39.6 | 12.3 | 14.8 | 21.2 |
| 1960 to 1969 | 29.4 | 12.6 | 12.5 | 22.7 | 21.3 | 8.8 | 10.0 | 13.9 | 19.6 | 14.4 | 11.8 | 20.0 |
| 1970 to 1979 | 27.1 | 17.5 | 10.2 | 21.7 | 17.5 | 9.1 | 16.7 | 9.7 | 28.1 | 15.3 | 9.5 | 12.1 |
| 1980 to 1989 | 26.9 | 17.6 | 12.7 | 27.8 | 8.7 | 15.1 | 9.1 | 11.4 | 28.2 | 16.4 | 12.3 | 23.1 |
| 1990 to 1999 | 30.2 | 11.6 | 11.4 | 26.9 | 10.0 | 5.6 | 7.6 | 11.1 | 28.8 | 12.4 | 10.6 | 26.1 |
| 2000 to 2003 | 29.2 | 23.8 | 22.2 | 22.2 | 12.1 | 10.7 | 6.7 | 16.9 | 18.5 | 17.0 | 22.4 | 15.7 |
| Climate Zone: 30-Year Average | | | | | | | | | | | | |
| Under 2,000 CDD and -- | | | | | | | | | | | | |
| More than 7,000 HDD | 38.9 | 9.0 | 0.0 | 23.1 | 6.8 | 4.5 | 0.0 | 5.9 | 17.0 | 4.6 | 0.0 | 5.5 |
| 5,500-7,000 HDD | 20.4 | 12.7 | 0.0 | 41.9 | 11.1 | 7.6 | 0.0 | 13.7 | 19.2 | 12.2 | 0.0 | 39.6 |
| 4,000-5,499 HDD | 28.4 | 7.7 | 31.3 | 75.6 | 9.9 | 17.1 | 10.5 | 13.0 | 28.8 | 17.2 | 9.6 | 22.8 |
| Fewer than 4,000 HDD | 0.0 | 0.0 | 15.1 | 17.8 | 0.0 | 0.0 | 7.1 | 6.2 | 0.0 | 0.0 | 7.7 | 16.4 |
| 2,000 CDD or More and -- | | | | | | | | | | | | |
| Fewer than 4,000 HDD | 0.0 | 0.0 | 12.7 | 40.8 | 0.0 | 0.0 | 4.8 | 5.1 | 0.0 | 0.0 | 13.4 | 14.1 |
| Number of Floors | | | | | | | | | | | | |
| One | 12.9 | 7.2 | 7.5 | 9.4 | 7.3 | 3.9 | 4.3 | 7.9 | 16.0 | 10.7 | 7.4 | 8.6 |
| Two | 9.8 | 10.2 | 14.3 | 23.6 | 6.8 | 5.9 | 6.3 | 12.2 | 15.1 | 7.9 | 14.3 | 21.2 |
| Three | 23.0 | 17.3 | 12.7 | 21.1 | 9.1 | 13.8 | 7.2 | 17.0 | 21.6 | 17.7 | 12.7 | 20.1 |
| Four to Nine | 23.5 | 16.8 | 25.5 | 24.2 | 19.2 | 12.7 | 10.2 | 18.2 | 32.7 | 16.9 | 18.0 | 14.1 |
| Ten or More | 46.8 | 24.2 | 35.8 | 60.3 | 18.1 | 14.6 | 12.3 | 23.0 | 48.1 | 16.7 | 11.4 | 43.2 |

RSEs for Table C6. Expenditures by Census Region for Sum of Major Fuels for Non-Mall Buildings, 2003

| | RSEs for Sum of Major Fuel Expenditures | | | | RSEs for Sum of Major Fuel Expenditures | | | | | | | |
|---|---|----------|-------|------|---|----------|-------|------|-----------------|----------|-------|------|
| | | | | | per Million Btu | | | | per Square Foot | | | |
| | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west | South | West |
| All Buildings* | 10.6 | 6.6 | 5.4 | 12.3 | 6.1 | 4.5 | 4.7 | 4.5 | 14.4 | 7.3 | 6.9 | 11.0 |
| Elevators and Escalators (more than one may apply) | | | | | | | | | | | | |
| Any Elevators | 18.9 | 10.2 | 15.6 | 25.1 | 12.0 | 8.0 | 9.3 | 10.3 | 20.1 | 7.7 | 10.8 | 17.6 |
| Number of Elevators | | | | | | | | | | | | |
| One | 31.0 | 13.6 | 15.1 | 15.5 | 31.2 | 7.1 | 7.4 | 11.7 | 27.2 | 8.7 | 10.5 | 20.0 |
| Two to Five | 26.1 | 18.8 | 17.0 | 27.1 | 11.0 | 11.3 | 11.7 | 16.0 | 21.9 | 14.0 | 19.9 | 26.2 |
| Six or More | 36.5 | 18.2 | 32.7 | 48.0 | 20.1 | 17.1 | 17.8 | 21.0 | 35.6 | 29.9 | 13.3 | 33.5 |
| Any Escalators | 51.6 | 42.7 | 53.6 | 67.5 | 89.8 | 22.7 | 47.1 | 35.2 | 48.9 | 31.8 | 26.3 | 55.8 |
| Number of Workers (main shift) | | | | | | | | | | | | |
| Fewer than 5 | 11.7 | 11.4 | 11.7 | 10.4 | 7.6 | 6.2 | 4.4 | 7.9 | 13.5 | 13.5 | 8.0 | 12.3 |
| 5 to 9 | 15.6 | 14.5 | 12.6 | 12.0 | 10.6 | 14.3 | 7.9 | 8.1 | 13.2 | 15.9 | 11.7 | 12.6 |
| 10 to 19 | 22.2 | 13.2 | 13.3 | 25.1 | 11.5 | 9.8 | 7.7 | 9.5 | 33.9 | 11.5 | 14.7 | 20.9 |
| 20 to 49 | 20.0 | 14.4 | 15.5 | 22.7 | 3.1 | 6.2 | 12.7 | 15.8 | 23.2 | 9.7 | 12.1 | 15.5 |
| 50 to 99 | 25.7 | 15.8 | 12.0 | 20.2 | 6.1 | 7.8 | 6.9 | 12.4 | 24.4 | 10.1 | 11.0 | 12.9 |
| 100 to 249 | 31.9 | 19.4 | 21.3 | 33.8 | 31.1 | 12.2 | 10.0 | 20.7 | 29.1 | 12.0 | 23.1 | 32.5 |
| 250 or More | 29.4 | 14.2 | 23.4 | 36.9 | 15.5 | 13.2 | 15.1 | 16.6 | 27.0 | 10.9 | 11.0 | 23.3 |
| Weekly Operating Hours | | | | | | | | | | | | |
| Fewer than 40 | 25.1 | 16.5 | 14.6 | 37.2 | 4.6 | 11.5 | 8.5 | 21.2 | 17.5 | 16.5 | 11.8 | 34.0 |
| 40 to 48 | 16.8 | 17.4 | 12.6 | 10.2 | 9.0 | 9.9 | 11.8 | 7.3 | 24.1 | 11.3 | 12.6 | 11.0 |
| 49 to 60 | 13.1 | 13.6 | 11.3 | 20.4 | 6.1 | 7.5 | 7.3 | 10.6 | 16.4 | 13.0 | 10.2 | 14.7 |
| 61 to 84 | 13.9 | 13.1 | 11.8 | 12.0 | 5.9 | 8.7 | 5.7 | 7.3 | 19.2 | 8.5 | 12.6 | 12.6 |
| 85 to 167 | 14.2 | 10.2 | 11.5 | 12.2 | 10.9 | 9.0 | 8.9 | 10.6 | 19.6 | 12.0 | 12.8 | 15.0 |
| Open Continuously | 25.3 | 13.7 | 15.7 | 29.3 | 16.9 | 6.8 | 15.0 | 11.3 | 25.9 | 13.1 | 14.1 | 22.9 |
| Ownership and Occupancy | | | | | | | | | | | | |
| Nongovernment Owned | 11.3 | 7.4 | 5.7 | 16.0 | 6.7 | 4.8 | 3.4 | 6.3 | 16.3 | 7.4 | 7.1 | 12.9 |
| Owner Occupied | 15.4 | 9.4 | 11.1 | 21.4 | 10.8 | 5.2 | 5.3 | 13.4 | 18.2 | 6.9 | 7.2 | 17.3 |
| Nonowner Occupied | 15.9 | 8.4 | 7.4 | 19.1 | 7.6 | 6.6 | 5.3 | 4.5 | 19.5 | 6.8 | 9.6 | 14.3 |
| Unoccupied | 68.0 | 36.7 | 44.6 | 88.4 | 18.1 | 19.4 | 31.3 | 0.8 | 24.9 | 35.5 | 54.2 | 19.3 |
| Government Owned | 19.1 | 10.7 | 12.2 | 14.6 | 8.5 | 7.7 | 14.7 | 12.2 | 17.9 | 10.4 | 11.4 | 12.3 |
| Federal | 42.5 | 37.1 | 50.7 | 52.1 | 29.0 | 8.4 | 80.5 | 45.9 | 45.1 | 50.3 | 42.3 | 18.0 |
| State | 34.3 | 32.6 | 31.6 | 30.6 | 17.2 | 25.5 | 29.7 | 26.5 | 42.6 | 29.4 | 31.7 | 22.8 |
| Local | 23.8 | 13.4 | 14.9 | 15.8 | 7.6 | 7.9 | 6.0 | 10.9 | 19.8 | 8.7 | 12.0 | 15.9 |
| Vacancy Status | | | | | | | | | | | | |
| Completely Vacant | 56.4 | 36.4 | 44.6 | 88.4 | 14.2 | 22.7 | 31.3 | 0.8 | 29.6 | 35.6 | 53.3 | 19.5 |
| Mostly Vacant | 83.8 | 64.4 | X | 55.0 | 40.5 | 15.0 | X | 48.7 | 81.4 | 101.4 | X | 46.9 |
| Partially Vacant | 26.4 | 10.3 | 21.5 | 29.5 | 17.5 | 8.1 | 5.7 | 19.0 | 24.9 | 12.2 | 11.5 | 15.9 |
| Not At All Vacant | 9.9 | 7.5 | 5.2 | 13.5 | 5.1 | 5.1 | 5.9 | 5.8 | 16.9 | 6.1 | 7.6 | 12.0 |
| Number of Establishments | | | | | | | | | | | | |
| One | 10.8 | 6.4 | 5.1 | 14.2 | 7.0 | 4.1 | 5.9 | 4.9 | 19.0 | 7.2 | 6.8 | 13.5 |
| 2 to 5 | 18.4 | 16.4 | 13.0 | 26.9 | 9.5 | 11.3 | 10.9 | 15.0 | 21.7 | 12.8 | 14.3 | 15.7 |
| 6 to 10 | 30.0 | 18.5 | 31.9 | 26.2 | 11.7 | 22.1 | 18.0 | 12.9 | 14.2 | 14.3 | 35.3 | 20.4 |
| 11 to 20 | 30.7 | 33.2 | 39.3 | 46.4 | 14.9 | 21.0 | 18.4 | 25.2 | 37.8 | 29.7 | 29.2 | 46.2 |
| More than 20 | 63.8 | 52.9 | 40.1 | 56.9 | 7.1 | 35.5 | 15.2 | 38.0 | 55.2 | 43.7 | 23.0 | 35.3 |
| Currently Unoccupied | 56.4 | 36.4 | 44.6 | 88.4 | 14.2 | 22.7 | 31.3 | 0.8 | 29.6 | 35.6 | 53.3 | 19.5 |

RSEs for Table C6. Expenditures by Census Region for Sum of Major Fuels for Non-Mall Buildings, 2003

| | RSEs for Sum of Major Fuel Expenditures | | | | RSEs for Sum of Major Fuel Expenditures | | | | | | | |
|---|---|----------|-------|-------|---|----------|-------|------|-----------------|----------|-------|-------|
| | | | | | per Million Btu | | | | per Square Foot | | | |
| | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west | South | West |
| All Buildings* | 10.6 | 6.6 | 5.4 | 12.3 | 6.1 | 4.5 | 4.7 | 4.5 | 14.4 | 7.3 | 6.9 | 11.0 |
| Predominant Exterior Wall Material | | | | | | | | | | | | |
| Brick, Stone or Stucco | 14.2 | 8.6 | 6.7 | 13.8 | 5.6 | 4.8 | 5.3 | 8.7 | 19.1 | 9.6 | 6.8 | 9.1 |
| Concrete (Block or Poured) | 19.2 | 18.0 | 11.4 | 21.1 | 7.3 | 6.7 | 9.5 | 10.3 | 21.6 | 11.5 | 10.0 | 15.9 |
| Concrete Panels | 23.4 | 20.3 | 25.8 | 39.1 | 14.8 | 16.0 | 33.1 | 10.5 | 35.8 | 17.5 | 24.3 | 25.9 |
| Siding or Shingles | 16.4 | 16.9 | 16.1 | 39.4 | 12.5 | 7.6 | 12.8 | 17.2 | 21.2 | 16.3 | 14.0 | 38.9 |
| Metal Panels | 42.7 | 19.1 | 18.3 | 26.4 | 27.8 | 13.6 | 10.1 | 22.5 | 30.7 | 15.7 | 21.4 | 19.4 |
| Window Glass | 60.5 | 63.5 | 28.9 | 40.1 | 14.0 | 6.9 | 20.4 | 32.5 | 50.7 | 56.4 | 20.7 | 46.0 |
| Other | 48.1 | 41.7 | 42.8 | 58.3 | 79.8 | 38.4 | 7.8 | 35.2 | 41.3 | 23.9 | 15.1 | 39.5 |
| No One Major Type | X | 59.5 | 69.7 | 100.4 | X | 8.6 | 48.3 | 0.1 | X | 42.7 | 39.2 | 105.5 |
| Predominant Roof Material | | | | | | | | | | | | |
| Built-Up | 17.1 | 8.6 | 13.0 | 19.6 | 7.3 | 6.9 | 6.8 | 4.8 | 19.2 | 8.3 | 11.4 | 16.8 |
| Shingles (Not Wood) | 22.6 | 12.3 | 10.1 | 29.6 | 16.8 | 9.5 | 6.3 | 13.4 | 18.7 | 12.6 | 9.7 | 31.6 |
| Metal Surfacing | 27.4 | 15.9 | 9.7 | 18.9 | 11.6 | 5.7 | 6.2 | 16.3 | 27.7 | 9.9 | 9.4 | 11.5 |
| Synthetic or Rubber | 18.1 | 12.5 | 9.0 | 17.7 | 12.7 | 7.1 | 13.7 | 9.1 | 15.9 | 9.1 | 11.9 | 14.6 |
| Slate or Tile | 17.7 | 24.8 | 20.1 | 24.9 | 16.3 | 15.9 | 15.7 | 9.2 | 31.5 | 20.4 | 17.2 | 33.3 |
| Wooden Materials | 47.1 | 44.3 | 25.7 | 23.7 | 42.8 | 55.1 | 8.4 | 20.8 | 43.0 | 33.6 | 28.7 | 27.8 |
| Concrete | 54.8 | 63.5 | 54.1 | 49.2 | X | 25.7 | 51.8 | 42.1 | 770.2 | 67.4 | 18.9 | 40.1 |
| Other | 100.1 | 42.1 | 53.6 | 54.9 | 0.1 | 23.8 | 57.3 | 38.4 | 104.8 | 40.9 | 168.5 | 17.9 |
| No One Major Type | 51.1 | 49.2 | 69.7 | 87.7 | 15.4 | 11.4 | 6.2 | 40.8 | 38.4 | 39.7 | 27.4 | 108.6 |
| Renovations in Buildings Constructed Before 1980 (more than one may apply) | | | | | | | | | | | | |
| Any Type of Renovation | 14.8 | 12.2 | 11.4 | 12.9 | 11.6 | 7.0 | 5.8 | 6.3 | 17.1 | 8.7 | 7.7 | 10.4 |
| Since 1980 | 27.5 | 18.1 | 19.0 | 15.0 | 9.3 | 7.2 | 6.5 | 6.5 | 28.1 | 10.8 | 11.6 | 14.6 |
| Addition or Annex | 42.9 | 51.7 | 82.8 | 61.8 | 25.3 | 11.7 | 20.6 | 65.1 | 33.1 | 25.2 | 82.0 | 60.9 |
| Reduction In Floorspace | 17.0 | 12.0 | 14.2 | 14.6 | 13.7 | 7.5 | 8.1 | 6.2 | 19.7 | 9.0 | 11.0 | 12.1 |
| Cosmetic Improvements | 28.5 | 15.2 | 20.3 | 25.6 | 18.3 | 7.9 | 8.1 | 11.4 | 26.2 | 10.3 | 10.0 | 20.5 |
| Wall or Roof Replacement | 19.8 | 14.1 | 21.1 | 19.9 | 22.0 | 7.0 | 11.1 | 9.1 | 20.4 | 6.8 | 11.8 | 13.6 |
| Interior Wall | | | | | | | | | | | | |
| Re-Configuration | 19.0 | 12.7 | 17.4 | 20.3 | 14.7 | 10.1 | 7.4 | 9.3 | 17.0 | 8.6 | 9.9 | 14.3 |
| HVAC Equipment Upgrade | 16.6 | 12.8 | 18.6 | 19.3 | 14.5 | 9.7 | 9.1 | 8.2 | 19.2 | 7.9 | 10.7 | 12.9 |
| Lighting Upgrade | 22.9 | 16.0 | 18.7 | 21.6 | 17.5 | 9.4 | 11.2 | 17.5 | 24.5 | 13.6 | 11.4 | 13.1 |
| Window Replacement | 23.6 | 14.1 | 24.0 | 25.8 | 20.2 | 6.7 | 12.1 | 11.2 | 24.7 | 7.8 | 10.5 | 18.2 |
| Plumbing System Upgrade | 32.7 | 17.3 | 30.0 | 23.2 | 31.0 | 6.3 | 13.3 | 11.8 | 31.5 | 14.9 | 16.4 | 22.7 |
| Insulation Upgrade | 46.2 | 43.0 | 67.1 | 76.1 | 22.6 | 18.9 | 253.8 | 49.2 | 42.3 | 22.7 | 177.9 | 90.5 |
| Other Renovation | 11.7 | 7.7 | 12.3 | 15.2 | 5.7 | 5.5 | 16.5 | 7.4 | 21.1 | 11.3 | 9.0 | 13.2 |
| No Renovations Since 1980 | 19.6 | 7.9 | 7.9 | 19.1 | 6.3 | 6.4 | 4.5 | 6.7 | 17.2 | 9.0 | 9.2 | 14.5 |
| Energy Sources (more than one may apply) | | | | | | | | | | | | |
| Electricity | 9.8 | 7.2 | 6.1 | 13.3 | 5.9 | 4.8 | 4.6 | 5.1 | 13.6 | 9.0 | 5.3 | 10.7 |
| Natural Gas | 11.2 | 7.2 | 9.4 | 15.7 | 7.0 | 2.9 | 4.6 | 4.4 | 16.2 | 4.9 | 7.0 | 10.2 |
| Fuel Oil | 22.3 | 11.6 | 23.2 | 31.9 | 11.8 | 8.6 | 10.8 | 12.8 | 16.2 | 7.7 | 9.9 | 24.4 |
| District Heat | 48.4 | 45.5 | 57.1 | 44.5 | 40.9 | 41.3 | 45.7 | 47.9 | 40.5 | 47.9 | 47.2 | 32.9 |
| District Chilled Water | 51.2 | 73.4 | 25.1 | 73.5 | 17.4 | 70.8 | 19.3 | 85.5 | 52.0 | 77.4 | 27.0 | 73.9 |
| Propane | 24.1 | 20.4 | 19.4 | 49.8 | 9.6 | 11.6 | 12.1 | 40.2 | 17.2 | 15.6 | 11.2 | 41.0 |
| Other | 35.1 | 38.7 | 44.8 | 32.4 | 25.1 | 38.0 | 16.5 | 33.2 | 18.3 | 33.9 | 35.9 | 22.1 |

RSEs for Table C6. Expenditures by Census Region for Sum of Major Fuels for Non-Mall Buildings, 2003

| | RSEs for Sum of Major Fuel Expenditures | | | | RSEs for Sum of Major Fuel Expenditures | | | | | | | |
|---|---|----------|-------|------|---|----------|-------|------|-----------------|----------|-------|------|
| | | | | | per Million Btu | | | | per Square Foot | | | |
| | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west | South | West |
| All Buildings* | 10.6 | 6.6 | 5.4 | 12.3 | 6.1 | 4.5 | 4.7 | 4.5 | 14.4 | 7.3 | 6.9 | 11.0 |
| Space-Heating Energy Sources (more than one may apply) | | | | | | | | | | | | |
| Electricity | 19.8 | 10.1 | 7.8 | 18.1 | 14.1 | 6.3 | 7.5 | 7.9 | 15.0 | 6.5 | 8.7 | 14.3 |
| Natural Gas | 11.8 | 7.5 | 9.2 | 16.7 | 7.6 | 4.6 | 6.8 | 5.4 | 12.8 | 5.8 | 6.1 | 11.8 |
| Fuel Oil | 19.3 | 21.1 | 27.2 | 14.7 | 7.2 | 12.5 | 13.3 | 15.4 | 30.3 | 19.8 | 15.7 | 13.3 |
| District Heat | 48.4 | 45.5 | 57.1 | 44.5 | 40.9 | 41.3 | 45.7 | 47.9 | 40.1 | 47.8 | 46.5 | 31.3 |
| Propane | 21.5 | 41.6 | 31.8 | 75.3 | 5.3 | 20.4 | 4.7 | 61.8 | 37.2 | 18.3 | 16.8 | 75.3 |
| Other | 38.4 | 48.4 | 69.8 | 27.0 | 24.4 | 25.3 | 7.4 | 32.5 | 25.8 | 23.2 | 50.7 | 23.4 |
| Primary Space-Heating Energy Source | | | | | | | | | | | | |
| Electricity | 23.0 | 14.5 | 10.7 | 15.1 | 6.8 | 3.9 | 3.3 | 9.9 | 12.8 | 11.3 | 9.5 | 13.6 |
| Natural Gas | 11.8 | 7.5 | 9.0 | 17.3 | 5.9 | 5.0 | 7.5 | 6.0 | 13.0 | 6.5 | 6.6 | 12.7 |
| Fuel Oil | 22.7 | 36.2 | 66.5 | 61.1 | 7.4 | 15.6 | 56.3 | 37.7 | 32.3 | 44.5 | 49.1 | 37.3 |
| District Heat | 50.0 | 47.6 | 56.2 | 36.9 | 43.1 | 37.7 | 46.0 | 48.1 | 41.0 | 52.5 | 46.0 | 28.0 |
| Propane | 45.8 | 45.8 | 39.1 | 77.6 | 5.9 | 21.9 | 9.6 | 27.5 | 27.0 | 22.1 | 15.1 | 78.6 |
| Other | 41.6 | 64.8 | 60.5 | 21.7 | 61.2 | 26.3 | 8.9 | 76.5 | 47.9 | 40.2 | 60.3 | 60.9 |
| Cooling Energy Sources (more than one may apply) | | | | | | | | | | | | |
| Electricity | 11.0 | 7.4 | 5.5 | 13.5 | 7.2 | 4.1 | 5.0 | 5.6 | 15.3 | 4.9 | 6.5 | 10.9 |
| Natural Gas | 37.5 | 33.0 | 55.8 | 47.9 | 19.5 | 21.9 | 15.6 | 17.3 | 35.9 | 25.0 | 29.6 | 88.9 |
| District Chilled Water | 51.2 | 73.4 | 25.1 | 73.5 | 17.4 | 70.8 | 19.3 | 85.5 | 52.0 | 77.4 | 27.0 | 73.9 |
| Water-Heating Energy Sources (more than one may apply) | | | | | | | | | | | | |
| Electricity | 17.5 | 10.3 | 8.6 | 11.0 | 13.1 | 7.7 | 5.9 | 10.1 | 19.5 | 10.4 | 8.6 | 10.0 |
| Natural Gas | 13.4 | 8.0 | 9.1 | 17.0 | 6.7 | 3.2 | 8.0 | 5.0 | 20.1 | 5.3 | 9.0 | 13.1 |
| Fuel Oil | 20.4 | 37.2 | 58.2 | 87.8 | 11.9 | 22.7 | 38.2 | 13.3 | 37.5 | 21.2 | 24.8 | 24.6 |
| District Heat | 68.9 | 47.9 | 65.9 | 36.9 | 19.4 | 42.2 | 38.7 | 48.1 | 51.8 | 40.0 | 49.8 | 30.9 |
| Propane | 40.0 | 61.9 | 33.8 | 83.0 | 7.6 | 20.2 | 8.7 | 36.6 | 13.6 | 35.1 | 12.9 | 84.0 |
| Cooking Energy Sources (more than one may apply) | | | | | | | | | | | | |
| Electricity | 21.3 | 14.4 | 13.4 | 37.5 | 7.8 | 7.3 | 7.9 | 12.7 | 22.3 | 9.2 | 8.4 | 30.5 |
| Natural Gas | 20.4 | 11.6 | 13.4 | 24.9 | 12.0 | 5.1 | 8.3 | 8.8 | 38.1 | 9.3 | 9.8 | 19.4 |
| Propane | 33.7 | 48.9 | 25.2 | 67.7 | 3.0 | 37.0 | 30.2 | 34.0 | 14.5 | 42.4 | 25.7 | 65.7 |
| Energy End Uses (more than one may apply) | | | | | | | | | | | | |
| Buildings with Space Heating | 10.7 | 6.6 | 5.4 | 13.2 | 6.2 | 4.5 | 4.8 | 5.1 | 14.6 | 7.2 | 6.5 | 10.9 |
| Buildings with Cooling | 11.1 | 7.3 | 5.5 | 13.5 | 7.1 | 4.5 | 4.7 | 4.9 | 14.9 | 5.2 | 6.5 | 10.6 |
| Buildings with Water Heating | 10.5 | 6.5 | 5.7 | 13.1 | 6.3 | 4.3 | 4.9 | 5.0 | 14.7 | 6.0 | 6.6 | 10.7 |
| Buildings with Cooking | 17.9 | 9.5 | 11.8 | 25.3 | 10.2 | 5.9 | 7.3 | 12.3 | 30.9 | 5.9 | 8.4 | 20.2 |
| Buildings with Manufacturing | 30.2 | 26.7 | 24.5 | 50.8 | 12.2 | 21.2 | 14.2 | 19.8 | 33.2 | 19.3 | 27.7 | 40.2 |
| Buildings with Electricity Generation | 26.5 | 14.1 | 19.2 | 33.3 | 14.8 | 10.0 | 10.6 | 13.3 | 24.8 | 10.1 | 13.0 | 25.0 |
| Percent of Floorspace Heated | | | | | | | | | | | | |
| Not Heated | 30.0 | 37.7 | 30.9 | 37.6 | 10.8 | 44.8 | 9.2 | 8.8 | 45.3 | 37.9 | 28.4 | 27.0 |
| 1 to 50 | 29.0 | 32.0 | 20.0 | 21.7 | 6.2 | 13.8 | 11.2 | 9.4 | 23.0 | 13.0 | 22.5 | 15.2 |
| 51 to 99 | 17.9 | 11.2 | 16.1 | 22.0 | 8.3 | 11.2 | 6.5 | 11.0 | 14.0 | 14.0 | 10.5 | 11.3 |
| 100 | 11.0 | 7.8 | 7.1 | 16.3 | 7.3 | 5.2 | 6.4 | 7.0 | 17.5 | 8.2 | 7.1 | 13.8 |

RSEs for Table C6. Expenditures by Census Region for Sum of Major Fuels for Non-Mall Buildings, 2003

| | RSEs for Sum of Major Fuel Expenditures | | | | RSEs for Sum of Major Fuel Expenditures | | | | | | | |
|---|---|----------|-------|------|---|----------|-------|-------|-----------------|----------|-------|------|
| | | | | | per Million Btu | | | | per Square Foot | | | |
| | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west | South | West |
| All Buildings* | 10.6 | 6.6 | 5.4 | 12.3 | 6.1 | 4.5 | 4.7 | 4.5 | 14.4 | 7.3 | 6.9 | 11.0 |
| Percent of Floorspace Cooled | | | | | | | | | | | | |
| Not Cooled | 22.3 | 23.2 | 25.8 | 24.3 | 10.3 | 7.0 | 16.5 | 12.7 | 24.2 | 15.0 | 20.1 | 16.4 |
| 1 to 50 | 12.9 | 13.4 | 18.5 | 26.3 | 5.2 | 6.5 | 8.6 | 15.6 | 14.9 | 8.5 | 17.0 | 18.7 |
| 51 to 99 | 22.4 | 14.1 | 13.1 | 15.5 | 15.0 | 10.6 | 7.2 | 13.3 | 21.2 | 9.0 | 7.1 | 8.8 |
| 100 | 19.7 | 10.0 | 8.4 | 19.7 | 11.1 | 4.2 | 6.8 | 8.2 | 17.6 | 6.4 | 7.2 | 16.5 |
| Percent Lit When Open | | | | | | | | | | | | |
| Zero | 59.0 | 94.2 | 44.1 | 77.5 | 68.8 | 2.2 | 9.4 | 19.9 | 15.4 | 87.0 | 29.6 | 63.7 |
| 1 to 50 | 18.5 | 11.3 | 11.7 | 27.9 | 7.1 | 6.9 | 7.9 | 10.8 | 21.4 | 10.9 | 12.7 | 22.9 |
| 51 to 99 | 12.7 | 12.9 | 10.6 | 15.6 | 13.4 | 7.6 | 5.9 | 12.4 | 12.7 | 7.9 | 8.7 | 9.4 |
| 100 | 13.8 | 7.0 | 6.2 | 15.9 | 7.8 | 5.4 | 7.2 | 5.4 | 18.3 | 9.4 | 8.5 | 13.3 |
| Building Never Open/ Electricity Not Used | 52.4 | 27.0 | 37.6 | 65.1 | 13.5 | 19.2 | 31.8 | 242.9 | 29.0 | 17.6 | 40.3 | 60.6 |
| Percent Lit When Closed | | | | | | | | | | | | |
| Zero | 10.9 | 5.8 | 9.0 | 10.6 | 6.7 | 6.5 | 8.0 | 7.2 | 14.5 | 11.7 | 9.2 | 5.5 |
| 1 to 50 | 13.8 | 7.7 | 7.6 | 9.9 | 4.0 | 6.6 | 5.7 | 6.2 | 18.2 | 7.4 | 6.9 | 7.3 |
| 51 to 100 | 28.1 | 41.8 | 30.6 | 22.7 | 6.8 | 14.3 | 8.5 | 37.8 | 42.0 | 30.7 | 25.1 | 17.6 |
| Building Never Closed/ Electricity Not Used | 25.3 | 13.8 | 15.7 | 29.3 | 16.9 | 6.8 | 15.0 | 11.3 | 25.6 | 13.7 | 15.1 | 25.1 |
| Heating Equipment (more than one may apply) | | | | | | | | | | | | |
| Heat Pumps | 29.4 | 20.9 | 13.8 | 37.1 | 11.2 | 8.9 | 15.7 | 10.3 | 23.3 | 13.8 | 13.1 | 30.3 |
| Packaged Heat Pumps | 37.3 | 24.0 | 17.7 | 47.6 | 14.1 | 11.8 | 27.1 | 10.0 | 28.5 | 19.6 | 18.6 | 39.4 |
| Split-System Heat Pumps | 26.8 | 29.7 | 15.6 | 40.6 | 29.9 | 12.2 | 39.7 | 16.6 | 21.3 | 14.1 | 17.2 | 27.6 |
| Individual Room Heat Pumps | 43.4 | 36.7 | 21.7 | 26.7 | 10.5 | 18.4 | 12.8 | 14.1 | 38.4 | 31.1 | 12.5 | 29.5 |
| Furnaces | 15.6 | 8.0 | 8.3 | 15.0 | 7.7 | 5.2 | 6.9 | 8.2 | 14.4 | 6.2 | 8.4 | 11.5 |
| Individual Space Heaters | 24.4 | 11.8 | 12.1 | 11.3 | 19.3 | 7.0 | 21.0 | 14.1 | 20.5 | 7.8 | 11.6 | 8.6 |
| District Heat | 48.4 | 45.5 | 57.1 | 44.5 | 40.9 | 41.3 | 45.7 | 47.9 | 40.0 | 47.7 | 46.5 | 31.3 |
| Boilers | 16.4 | 10.6 | 15.0 | 22.3 | 7.5 | 6.5 | 8.4 | 8.6 | 24.8 | 7.7 | 11.6 | 18.1 |
| Packaged Heating Units | 19.9 | 10.7 | 9.0 | 18.4 | 11.9 | 3.9 | 5.7 | 7.7 | 16.2 | 9.2 | 7.3 | 14.1 |
| Other | 19.1 | 18.7 | 25.2 | 27.9 | 14.2 | 12.8 | 11.7 | 27.4 | 23.9 | 12.1 | 18.8 | 19.1 |
| Cooling Equipment (more than one may apply) | | | | | | | | | | | | |
| Residential-Type Central | | | | | | | | | | | | |
| Air Conditioners | 21.6 | 9.8 | 19.1 | 14.8 | 7.3 | 6.6 | 17.1 | 9.0 | 31.7 | 7.9 | 15.1 | 17.3 |
| Heat Pumps | 29.5 | 19.3 | 14.0 | 34.9 | 8.9 | 9.7 | 15.8 | 10.6 | 24.8 | 13.5 | 13.0 | 28.3 |
| Packaged Heat Pumps | 36.5 | 23.8 | 18.9 | 47.4 | 11.7 | 12.6 | 27.4 | 10.0 | 33.2 | 18.9 | 19.1 | 39.1 |
| Split-System Heat Pumps | 26.8 | 26.0 | 16.9 | 40.0 | 29.9 | 14.5 | 39.2 | 16.2 | 21.3 | 15.7 | 15.6 | 27.7 |
| Individual Room Heat Pumps | 43.4 | 36.7 | 20.0 | 33.5 | 10.5 | 18.4 | 13.0 | 22.9 | 38.2 | 31.1 | 12.1 | 27.8 |
| Individual Air Conditioners | 14.9 | 11.8 | 15.7 | 21.8 | 11.3 | 5.0 | 11.3 | 14.7 | 19.7 | 10.1 | 11.3 | 13.6 |
| District Chilled Water | 51.2 | 73.4 | 25.1 | 73.5 | 17.4 | 70.8 | 19.3 | 85.5 | 52.0 | 77.4 | 27.0 | 73.9 |
| Central Chillers | 26.7 | 17.1 | 18.2 | 31.3 | 14.3 | 12.6 | 10.6 | 10.6 | 22.3 | 10.8 | 12.1 | 23.8 |
| Packaged Air Conditioning | | | | | | | | | | | | |
| Units | 12.5 | 8.3 | 5.7 | 13.2 | 8.2 | 3.5 | 5.1 | 7.0 | 18.4 | 6.8 | 6.6 | 10.6 |
| Swamp Coolers | X | 101.3 | 37.0 | 8.9 | X | 0.0 | 43.5 | 12.4 | X | 101.1 | 41.0 | 13.2 |
| Other | 58.4 | 26.2 | 36.6 | 44.2 | 11.3 | 25.6 | 17.6 | 11.8 | 43.6 | 31.3 | 65.1 | 18.2 |
| Main Equipment Replaced Since 1990 (more than one may apply) | | | | | | | | | | | | |
| Heating | 13.0 | 11.1 | 11.7 | 31.9 | 6.3 | 8.3 | 5.6 | 7.8 | 15.6 | 7.0 | 10.7 | 27.1 |
| Cooling | 14.5 | 11.2 | 8.9 | 22.5 | 10.3 | 7.7 | 10.1 | 6.7 | 14.6 | 6.7 | 9.4 | 19.7 |

RSEs for Table C6. Expenditures by Census Region for Sum of Major Fuels for Non-Mall Buildings, 2003

| | RSEs for Sum of Major Fuel Expenditures | | | | RSEs for Sum of Major Fuel Expenditures | | | | | | | |
|--|---|----------|-------|------|---|----------|-------|-------|-----------------|----------|-------|-------|
| | | | | | per Million Btu | | | | per Square Foot | | | |
| | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west | South | West |
| All Buildings* | 10.6 | 6.6 | 5.4 | 12.3 | 6.1 | 4.5 | 4.7 | 4.5 | 14.4 | 7.3 | 6.9 | 11.0 |
| Water Heating Equipment | | | | | | | | | | | | |
| Centralized System | 11.1 | 9.6 | 7.8 | 12.9 | 6.3 | 4.8 | 4.7 | 7.3 | 15.6 | 8.4 | 7.7 | 11.1 |
| Distributed System | 29.4 | 18.8 | 11.8 | 20.8 | 11.7 | 6.8 | 9.0 | 11.9 | 34.0 | 5.9 | 9.4 | 17.5 |
| Combination of Centralized and Distributed System | 22.3 | 16.3 | 13.2 | 26.9 | 20.4 | 9.3 | 13.2 | 9.4 | 17.9 | 10.8 | 14.4 | 19.3 |
| Lighting Equipment Types (more than one may apply) | | | | | | | | | | | | |
| Incandescent | 15.0 | 8.0 | 7.8 | 18.0 | 9.4 | 5.6 | 5.5 | 7.6 | 21.8 | 6.0 | 7.9 | 14.9 |
| Standard Fluorescent | 10.9 | 6.7 | 5.5 | 12.5 | 6.1 | 4.6 | 4.8 | 4.6 | 15.1 | 7.4 | 6.8 | 10.6 |
| Compact Fluorescent | 18.1 | 8.4 | 10.2 | 17.8 | 10.4 | 7.0 | 6.5 | 6.7 | 19.6 | 6.5 | 9.3 | 13.8 |
| High Intensity Discharge | 18.9 | 10.1 | 7.3 | 14.4 | 11.3 | 5.8 | 7.2 | 10.6 | 17.3 | 11.1 | 8.6 | 9.9 |
| Halogen | 19.7 | 9.7 | 11.7 | 20.0 | 13.9 | 7.5 | 6.4 | 9.3 | 18.7 | 6.9 | 11.7 | 10.9 |
| Other | 82.8 | 92.6 | 50.2 | 77.5 | 143.9 | 0.6 | 33.7 | 104.5 | 25.1 | 14.1 | 39.1 | 221.5 |
| Refrigeration Equipment (more than one may apply)^a | | | | | | | | | | | | |
| Any Refrigeration..... | 11.5 | 6.8 | 5.5 | 14.8 | 7.2 | 4.7 | 4.9 | 5.2 | 15.4 | 6.5 | 6.2 | 11.9 |
| Commercial Refrigeration | 16.5 | 9.4 | 9.3 | 19.6 | 10.7 | 6.4 | 6.3 | 7.0 | 22.2 | 6.4 | 7.9 | 16.1 |
| Walk-In Units | 17.9 | 9.7 | 10.1 | 22.3 | 12.7 | 8.0 | 7.0 | 8.8 | 27.7 | 9.1 | 9.2 | 20.1 |
| Cases or Cabinets | 15.8 | 13.2 | 10.8 | 21.8 | 11.4 | 7.5 | 7.0 | 8.4 | 17.1 | 5.5 | 9.2 | 17.8 |
| Residential-Type Units | 13.2 | 9.7 | 6.9 | 10.7 | 8.5 | 5.0 | 6.1 | 6.8 | 17.8 | 6.2 | 6.6 | 7.8 |
| Vending Machines | 13.9 | 9.1 | 8.0 | 17.5 | 10.0 | 5.2 | 4.5 | 6.2 | 16.9 | 7.4 | 8.5 | 12.4 |
| No Refrigeration | 16.0 | 14.8 | 16.0 | 13.8 | 6.3 | 6.1 | 6.8 | 11.1 | 15.8 | 17.8 | 13.6 | 13.0 |
| Office Equipment (more than one may apply) | | | | | | | | | | | | |
| Computers | 11.3 | 7.5 | 6.2 | 13.6 | 6.8 | 4.6 | 5.1 | 5.0 | 15.4 | 6.6 | 6.8 | 11.0 |
| With Flat Screen Monitors | 18.5 | 9.5 | 12.1 | 18.4 | 9.8 | 6.2 | 8.1 | 7.9 | 17.4 | 6.6 | 8.6 | 14.2 |
| Dedicated Servers | 13.8 | 9.4 | 9.1 | 16.3 | 8.5 | 5.2 | 5.4 | 7.4 | 15.5 | 5.5 | 8.2 | 13.4 |
| Laser Printers | 11.8 | 7.5 | 6.2 | 19.2 | 9.5 | 6.1 | 7.4 | 7.6 | 15.3 | 7.2 | 7.2 | 16.6 |
| Inkjet Printers | 16.1 | 9.0 | 11.1 | 14.1 | 6.2 | 5.2 | 7.0 | 5.7 | 14.9 | 6.4 | 9.6 | 7.3 |
| FAX Machines | 11.5 | 7.8 | 6.3 | 14.0 | 7.2 | 4.9 | 4.9 | 5.6 | 15.6 | 6.0 | 6.8 | 10.5 |
| Photocopiers | 13.5 | 8.0 | 6.9 | 16.0 | 7.7 | 4.7 | 5.6 | 5.9 | 17.5 | 5.8 | 7.2 | 12.2 |
| Number of Computers | | | | | | | | | | | | |
| None | 15.9 | 9.8 | 17.9 | 14.7 | 15.1 | 9.5 | 7.4 | 14.6 | 21.2 | 16.0 | 14.0 | 20.8 |
| 1 to 4 | 15.9 | 12.3 | 10.5 | 12.3 | 6.6 | 7.2 | 4.2 | 7.6 | 25.5 | 9.3 | 12.0 | 10.3 |
| 5 to 9 | 21.9 | 14.5 | 9.1 | 19.3 | 5.4 | 13.7 | 11.6 | 8.6 | 22.9 | 8.6 | 11.5 | 22.7 |
| 10 to 19 | 24.7 | 18.4 | 14.3 | 16.8 | 10.6 | 8.8 | 12.0 | 8.8 | 15.4 | 12.7 | 13.3 | 15.7 |
| 20 to 49 | 14.0 | 16.2 | 14.8 | 27.6 | 6.4 | 5.5 | 8.2 | 16.3 | 17.0 | 12.3 | 14.9 | 23.1 |
| 50 to 99 | 28.5 | 17.3 | 20.9 | 8.8 | 6.3 | 7.4 | 9.5 | 9.8 | 53.5 | 12.6 | 15.3 | 15.8 |
| 100 to 249 | 31.2 | 16.5 | 15.7 | 29.9 | 23.7 | 9.0 | 10.1 | 12.4 | 19.1 | 14.3 | 13.9 | 18.5 |
| 250 or More | 29.0 | 14.7 | 23.3 | 41.6 | 15.3 | 14.0 | 15.6 | 20.0 | 27.7 | 14.6 | 11.5 | 30.2 |
| Number of Dedicated Servers | | | | | | | | | | | | |
| None | 11.5 | 7.5 | 7.9 | 6.6 | 5.8 | 5.7 | 4.2 | 5.0 | 17.0 | 11.9 | 8.9 | 7.3 |
| 1 to 4 | 11.7 | 7.7 | 7.3 | 14.1 | 5.6 | 5.1 | 6.0 | 9.1 | 14.9 | 5.7 | 8.8 | 11.0 |
| 5 to 9 | 22.8 | 22.1 | 29.6 | 45.0 | 17.0 | 20.6 | 32.3 | 26.4 | 29.3 | 17.2 | 14.6 | 42.7 |
| 10 to 19 | 47.5 | 21.8 | 25.9 | 28.6 | 58.8 | 17.1 | 10.2 | 32.8 | 52.2 | 15.2 | 30.4 | 24.9 |
| 20 to 49 | 34.4 | 53.1 | 42.1 | 31.0 | 24.4 | 37.6 | 16.1 | 16.6 | 33.0 | 41.8 | 28.6 | 20.4 |
| 50 or More | 39.1 | 35.6 | 39.6 | 58.9 | 23.8 | 7.4 | 13.9 | 26.0 | 22.4 | 19.7 | 16.4 | 37.6 |

RSEs for Table C6. Expenditures by Census Region for Sum of Major Fuels for Non-Mall Buildings, 2003

| | RSEs for Sum of Major Fuel Expenditures | | | | RSEs for Sum of Major Fuel Expenditures | | | | | | | |
|--|---|----------|-------|------|---|----------|-------|------|-----------------|----------|-------|------|
| | | | | | per Million Btu | | | | per Square Foot | | | |
| | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west | South | West |
| All Buildings* | 10.6 | 6.6 | 5.4 | 12.3 | 6.1 | 4.5 | 4.7 | 4.5 | 14.4 | 7.3 | 6.9 | 11.0 |
| Number of Photocopiers | | | | | | | | | | | | |
| None | 12.4 | 10.3 | 7.7 | 10.1 | 6.2 | 8.4 | 6.8 | 6.6 | 15.6 | 15.0 | 9.1 | 11.2 |
| One | 11.1 | 10.3 | 10.5 | 10.5 | 8.8 | 4.7 | 8.2 | 6.6 | 21.2 | 5.8 | 8.5 | 10.8 |
| 2 to 4 | 15.1 | 10.2 | 12.4 | 18.6 | 15.2 | 5.9 | 6.0 | 10.4 | 15.9 | 10.2 | 11.7 | 14.3 |
| 5 to 9 | 33.6 | 15.3 | 17.6 | 39.1 | 6.3 | 8.1 | 10.8 | 21.1 | 39.0 | 16.0 | 20.3 | 38.0 |
| 10 or More | 35.1 | 19.0 | 23.0 | 35.2 | 17.7 | 15.2 | 15.2 | 16.8 | 31.0 | 12.9 | 10.5 | 23.6 |
| Energy-Related Space Functions (more than one may apply) | | | | | | | | | | | | |
| Commercial Food Preparation | 17.9 | 9.5 | 11.8 | 25.4 | 10.2 | 5.9 | 7.3 | 12.3 | 30.9 | 5.9 | 8.4 | 20.2 |
| Activities with Large Amounts of Hot Water | 20.9 | 10.5 | 12.2 | 22.9 | 13.6 | 7.0 | 7.6 | 11.1 | 35.6 | 7.1 | 10.1 | 20.9 |
| Separate Computer Area | 16.8 | 12.3 | 11.4 | 20.2 | 10.7 | 6.7 | 6.4 | 8.0 | 20.0 | 6.8 | 8.2 | 14.8 |
| HVAC Conservation Features (more than one may apply) | | | | | | | | | | | | |
| Variable Air-Volume System | 22.9 | 10.8 | 12.3 | 25.4 | 14.8 | 8.6 | 8.9 | 9.5 | 19.3 | 7.4 | 8.2 | 19.3 |
| Economizer Cycle | 18.5 | 9.3 | 11.2 | 17.8 | 12.2 | 7.0 | 7.8 | 6.4 | 15.2 | 7.5 | 8.1 | 14.2 |
| HVAC Maintenance | 11.4 | 7.6 | 6.9 | 13.8 | 7.1 | 4.7 | 5.0 | 5.0 | 15.9 | 7.8 | 7.0 | 11.8 |
| Energy Management and Control System (EMCS) | 24.5 | 11.1 | 14.2 | 24.9 | 18.8 | 9.2 | 9.3 | 8.8 | 22.5 | 7.2 | 6.8 | 17.0 |
| Window and Interior Lighting Features (more than one may apply) | | | | | | | | | | | | |
| Multipaned Windows | 12.1 | 8.9 | 6.7 | 15.8 | 8.0 | 5.2 | 3.6 | 4.6 | 17.2 | 6.4 | 6.7 | 13.2 |
| Tinted Window Glass | 17.0 | 8.5 | 6.9 | 15.9 | 11.5 | 5.9 | 6.4 | 4.9 | 18.2 | 12.6 | 7.6 | 12.6 |
| Reflective Window Glass | 34.0 | 13.2 | 15.5 | 19.8 | 18.2 | 10.0 | 21.1 | 22.4 | 28.5 | 8.6 | 14.6 | 16.9 |
| External Overhangs or Awnings | 20.2 | 12.0 | 11.2 | 20.1 | 7.6 | 6.5 | 8.1 | 8.2 | 24.7 | 7.3 | 8.4 | 17.1 |
| Skylights or Atriums | 26.3 | 13.5 | 12.4 | 27.8 | 17.1 | 9.3 | 6.7 | 10.3 | 30.1 | 10.0 | 10.7 | 18.9 |
| Daylighting Sensors | 44.5 | 27.4 | 26.1 | 45.1 | 12.7 | 12.4 | 10.0 | 21.5 | 33.5 | 29.7 | 22.9 | 37.1 |
| Specular Reflectors | 19.1 | 7.5 | 12.3 | 18.9 | 12.0 | 6.5 | 8.9 | 8.3 | 19.5 | 8.1 | 10.4 | 13.4 |
| Electronic Ballasts | 13.9 | 7.1 | 6.7 | 15.0 | 7.2 | 5.0 | 4.7 | 5.6 | 16.0 | 7.3 | 7.7 | 11.5 |
| Energy Management and Control System (EMCS) For Lighting | 30.1 | 19.3 | 28.0 | 31.4 | 37.7 | 15.6 | 17.7 | 16.0 | 34.7 | 16.5 | 10.8 | 14.3 |
| Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^a | | | | | | | | | | | | |
| Heating | 12.6 | 7.1 | 6.1 | 14.6 | 7.5 | 5.5 | 4.9 | 5.9 | 17.1 | 6.7 | 5.1 | 13.2 |
| Cooling | 12.7 | 8.7 | 6.4 | 14.5 | 8.1 | 5.3 | 4.8 | 5.9 | 17.2 | 5.7 | 5.4 | 11.5 |
| Lighting | 9.8 | 6.3 | 5.8 | 6.9 | 3.2 | 5.1 | 4.8 | 4.7 | 14.0 | 7.0 | 6.8 | 4.9 |
| Office Equipment | 13.5 | 10.7 | 12.3 | 10.2 | 5.0 | 9.6 | 4.4 | 9.1 | 16.7 | 12.9 | 10.6 | 8.7 |

X=No cases in the responding sample reported their consumption for the particular fuel, so relative standard error could not be calculated.

RSEs for Table C7. Consumption and Gross Energy Intensity by Census Division for Sum of Major Fuels for Non-Mall Buildings, 2003: Part 1

| | RSEs for Sum of Major Fuel Consumption | | | RSEs for Total Floorspace of Buildings | | | RSEs for Energy Intensity for Sum of Major Fuels | | |
|--|--|-----------------|--------------------|--|-----------------|--------------------|--|-----------------|--------------------|
| | New England | Middle Atlantic | East North Central | New England | Middle Atlantic | East North Central | New England | Middle Atlantic | East North Central |
| All Buildings* | 26.4 | 10.0 | 6.9 | 23.9 | 10.5 | 9.9 | 18.6 | 13.6 | 8.5 |
| Building Floorspace (Square Feet) | | | | | | | | | |
| 1,001 to 5,000 | 14.6 | 20.5 | 15.0 | 32.5 | 15.2 | 13.2 | 23.9 | 16.0 | 10.8 |
| 5,001 to 10,000 | 34.0 | 17.0 | 29.2 | 30.8 | 11.7 | 23.8 | 34.2 | 14.7 | 23.3 |
| 10,001 to 25,000 | 34.0 | 14.4 | 15.6 | 37.5 | 13.4 | 14.0 | 30.0 | 23.2 | 11.9 |
| 25,001 to 50,000 | 34.4 | 17.4 | 17.5 | 22.3 | 13.3 | 10.3 | 42.6 | 13.9 | 16.0 |
| 50,001 to 100,000 | 30.3 | 36.3 | 24.4 | 16.9 | 18.0 | 14.9 | 34.1 | 38.6 | 21.0 |
| 100,001 to 200,000 | 48.9 | 32.5 | 19.3 | 26.3 | 28.8 | 18.9 | 35.1 | 40.1 | 8.6 |
| 200,001 to 500,000 | 64.7 | 34.6 | 10.9 | 53.0 | 22.7 | 28.9 | 35.6 | 32.8 | 25.7 |
| Over 500,000 | X | 44.3 | 23.6 | 71.8 | 13.3 | 23.6 | X | 42.4 | 28.0 |
| Principal Building Activity | | | | | | | | | |
| Education | 41.9 | 37.3 | 14.2 | 19.5 | 15.1 | 10.5 | 44.4 | 35.1 | 10.3 |
| Food Sales | 36.0 | 32.6 | 31.4 | 48.0 | 13.9 | 27.4 | 34.9 | 33.4 | 27.6 |
| Food Service | 80.6 | 49.2 | 39.1 | 57.0 | 16.1 | 21.3 | 101.1 | 40.3 | 37.0 |
| Health Care | 63.6 | 30.7 | 31.0 | 51.5 | 10.7 | 16.4 | 62.3 | 32.3 | 26.7 |
| Inpatient | 99.7 | 36.0 | 33.6 | 73.9 | 20.9 | 13.7 | 97.8 | 38.7 | 28.8 |
| Outpatient | 80.1 | 36.1 | 52.7 | 54.9 | 30.7 | 24.8 | 52.7 | 21.9 | 37.6 |
| Lodging | 53.1 | 28.5 | 24.1 | 42.0 | 44.7 | 17.9 | 31.5 | 99.5 | 10.1 |
| Retail (Other Than Mall)..... | 40.0 | 33.1 | 41.9 | 26.7 | 15.2 | 26.1 | 16.7 | 27.4 | 22.2 |
| Office | 28.6 | 21.0 | 12.2 | 20.1 | 13.6 | 14.6 | 21.4 | 18.9 | 11.5 |
| Public Assembly | 24.2 | 39.2 | 27.3 | 29.9 | 35.0 | 23.6 | 22.8 | 91.5 | 20.5 |
| Public Order and Safety | 76.1 | 49.2 | 52.0 | 39.2 | 48.7 | 47.7 | 67.3 | 99.8 | 72.7 |
| Religious Worship | 68.6 | 15.3 | 20.8 | 72.1 | 17.9 | 11.5 | 22.4 | 11.9 | 12.9 |
| Service | 92.1 | 26.9 | 38.0 | 52.3 | 29.5 | 26.2 | 56.6 | 33.6 | 26.7 |
| Warehouse and Storage | 92.0 | 21.2 | 25.2 | 72.2 | 22.8 | 30.8 | 104.9 | 26.1 | 19.6 |
| Other | 67.2 | 59.1 | 40.0 | 50.6 | 39.3 | 23.6 | 46.2 | 43.0 | 36.3 |
| Vacant | 70.4 | 59.9 | 44.5 | 88.5 | 40.5 | 34.3 | 54.2 | 46.8 | 32.7 |
| Year Constructed | | | | | | | | | |
| Before 1920 | 33.3 | 29.2 | 18.2 | 36.0 | 21.1 | 25.4 | 14.3 | 27.1 | 37.8 |
| 1920 to 1945 | 26.1 | 18.9 | 23.7 | 40.5 | 25.2 | 29.3 | 32.0 | 32.8 | 30.2 |
| 1946 to 1959 | 32.0 | 28.7 | 15.5 | 26.9 | 21.2 | 16.5 | 27.2 | 32.5 | 11.8 |
| 1960 to 1969 | 76.1 | 25.3 | 11.2 | 53.6 | 17.8 | 17.8 | 27.1 | 14.9 | 20.4 |
| 1970 to 1979 | 20.2 | 23.1 | 20.8 | 19.3 | 21.5 | 21.6 | 13.7 | 28.5 | 18.2 |
| 1980 to 1989 | 25.6 | 35.1 | 20.0 | 18.7 | 21.1 | 14.0 | 40.2 | 32.0 | 22.6 |
| 1990 to 1999 | 73.2 | 21.0 | 21.6 | 43.7 | 19.8 | 23.9 | 70.8 | 21.5 | 11.4 |
| 2000 to 2003 | 60.6 | 47.4 | 32.7 | 32.9 | 21.8 | 19.0 | 46.9 | 26.7 | 24.9 |
| Climate Zone: 30-Year Average | | | | | | | | | |
| Under 2,000 CDD and -- | | | | | | | | | |
| More than 7,000 HDD | 44.0 | 56.9 | 10.2 | 58.7 | 45.0 | 5.5 | 9.9 | 34.7 | 11.1 |
| 5,500-7,000 HDD | 33.0 | 29.9 | 9.2 | 22.2 | 21.5 | 13.0 | 25.6 | 23.1 | 10.5 |
| 4,000-5,499 HDD | 0.0 | 30.2 | 0.0 | 0.0 | 20.5 | 0.0 | 0.0 | 22.7 | 0.0 |
| Fewer than 4,000 HDD | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2,000 CDD or More and -- | | | | | | | | | |
| Fewer than 4,000 HDD | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Number of Floors | | | | | | | | | |
| One | 35.5 | 17.3 | 9.9 | 23.5 | 18.3 | 17.7 | 17.1 | 20.8 | 14.2 |
| Two | 18.5 | 11.9 | 14.2 | 31.4 | 14.3 | 12.2 | 14.4 | 20.5 | 8.9 |
| Three | 12.5 | 27.1 | 16.3 | 33.5 | 16.1 | 13.9 | 22.1 | 22.0 | 19.0 |
| Four to Nine | 48.3 | 20.1 | 18.8 | 26.2 | 24.0 | 13.7 | 37.7 | 28.5 | 22.9 |
| Ten or More | 62.9 | 38.5 | 19.6 | 35.5 | 18.8 | 20.1 | 61.7 | 41.0 | 12.8 |

RSEs for Table C7. Consumption and Gross Energy Intensity by Census Division for Sum of Major Fuels for Non-Mall Buildings, 2003: Part 1

| | RSEs for Sum of Major Fuel Consumption | | | RSEs for Total Floorspace of Buildings | | | RSEs for Energy Intensity for Sum of Major Fuels | | |
|---|--|-----------------|--------------------|--|-----------------|--------------------|--|-----------------|--------------------|
| | New England | Middle Atlantic | East North Central | New England | Middle Atlantic | East North Central | New England | Middle Atlantic | East North Central |
| All Buildings* | 26.4 | 10.0 | 6.9 | 23.9 | 10.5 | 9.9 | 18.6 | 13.6 | 8.5 |
| Elevators and Escalators (more than one may apply) | | | | | | | | | |
| Any Elevators | 40.2 | 16.8 | 8.1 | 23.4 | 11.3 | 8.1 | 32.9 | 17.5 | 9.0 |
| Number of Elevators | | | | | | | | | |
| One | 47.9 | 31.7 | 16.8 | 24.3 | 12.7 | 13.1 | 46.2 | 28.3 | 13.2 |
| Two to Five | 46.2 | 33.5 | 12.6 | 37.2 | 17.2 | 14.9 | 36.9 | 24.5 | 14.0 |
| Six or More | 61.2 | 30.0 | 24.2 | 34.5 | 19.4 | 26.4 | 56.6 | 30.6 | 34.2 |
| Any Escalators | X | 59.3 | 47.7 | 90.1 | 22.8 | 43.8 | X | 53.5 | 35.6 |
| Number of Workers (main shift) | | | | | | | | | |
| Fewer than 5 | 26.3 | 17.6 | 14.1 | 27.4 | 20.0 | 23.8 | 26.3 | 17.2 | 21.0 |
| 5 to 9 | 46.9 | 18.0 | 19.9 | 40.8 | 14.6 | 20.4 | 22.6 | 22.3 | 17.2 |
| 10 to 19 | 13.2 | 26.5 | 19.4 | 25.3 | 26.8 | 9.0 | 19.4 | 41.6 | 18.7 |
| 20 to 49 | 21.9 | 24.5 | 16.8 | 26.3 | 25.3 | 12.4 | 27.6 | 29.3 | 9.1 |
| 50 to 99 | 49.3 | 30.8 | 11.8 | 57.4 | 20.0 | 10.6 | 41.6 | 28.1 | 4.0 |
| 100 to 249 | 54.5 | 18.2 | 17.6 | 26.3 | 17.9 | 17.4 | 51.8 | 18.5 | 13.7 |
| 250 or More | 57.1 | 23.6 | 15.2 | 22.3 | 15.2 | 16.0 | 50.7 | 25.4 | 16.8 |
| Weekly Operating Hours | | | | | | | | | |
| Fewer than 40 | 21.3 | 33.0 | 19.8 | 40.9 | 26.3 | 25.2 | 58.9 | 22.1 | 18.5 |
| 40 to 48 | 52.5 | 16.7 | 15.9 | 25.5 | 18.2 | 13.4 | 35.3 | 24.4 | 8.5 |
| 49 to 60 | 25.2 | 15.5 | 17.4 | 42.9 | 12.9 | 23.8 | 22.0 | 16.5 | 14.9 |
| 61 to 84 | 8.3 | 17.7 | 15.4 | 14.4 | 13.2 | 13.0 | 12.3 | 22.7 | 13.0 |
| 85 to 167 | 20.2 | 28.2 | 10.8 | 42.2 | 24.0 | 9.2 | 21.1 | 19.1 | 9.0 |
| Open Continuously | 54.3 | 21.8 | 18.3 | 32.0 | 12.7 | 13.5 | 37.3 | 21.3 | 15.2 |
| Ownership and Occupancy | | | | | | | | | |
| Nongovernment Owned | 31.4 | 11.2 | 7.0 | 29.8 | 10.9 | 8.2 | 29.1 | 15.4 | 7.5 |
| Owner Occupied | 39.2 | 12.5 | 12.0 | 34.4 | 12.8 | 8.3 | 36.1 | 19.0 | 8.2 |
| Nonowner Occupied | 21.6 | 16.3 | 9.4 | 19.1 | 14.7 | 13.9 | 30.0 | 19.8 | 6.2 |
| Unoccupied | 99.1 | 81.5 | 45.8 | 99.1 | 49.7 | 36.5 | 0.0 | 33.3 | 31.7 |
| Government Owned | 32.8 | 29.7 | 13.9 | 8.6 | 14.7 | 15.7 | 31.9 | 26.9 | 15.0 |
| Federal | 60.4 | 67.2 | 47.6 | 34.4 | 54.0 | 59.5 | 41.6 | 101.7 | 60.2 |
| State | 53.9 | 49.1 | 32.1 | 30.2 | 31.1 | 37.2 | 109.1 | 44.5 | 23.5 |
| Local | 12.0 | 36.9 | 16.4 | 18.9 | 14.7 | 10.5 | 21.0 | 31.4 | 13.1 |
| Vacancy Status | | | | | | | | | |
| Completely Vacant | 99.1 | 66.6 | 45.8 | 99.1 | 47.2 | 34.6 | 0.0 | 40.1 | 34.2 |
| Mostly Vacant | 71.3 | 100.1 | 100.7 | 86.3 | 86.0 | 95.4 | 57.7 | 100.9 | 5.9 |
| Partially Vacant | 31.4 | 27.7 | 15.9 | 28.3 | 16.1 | 13.0 | 30.7 | 22.5 | 17.3 |
| Not At All Vacant | 26.5 | 8.9 | 9.3 | 18.9 | 12.1 | 9.5 | 17.7 | 16.4 | 7.0 |
| Number of Establishments | | | | | | | | | |
| One | 30.5 | 9.2 | 7.4 | 19.5 | 14.9 | 13.0 | 20.4 | 18.3 | 9.1 |
| 2 to 5 | 28.0 | 26.6 | 17.7 | 28.5 | 16.4 | 13.1 | 17.8 | 33.6 | 11.7 |
| 6 to 10 | 60.7 | 32.9 | 45.8 | 44.6 | 26.7 | 17.7 | 31.9 | 16.2 | 41.7 |
| 11 to 20 | 68.4 | 43.9 | 25.1 | 67.6 | 36.9 | 31.3 | 74.8 | 47.3 | 25.2 |
| More than 20 | 100.6 | 64.3 | 50.7 | 49.2 | 18.5 | 22.2 | 105.9 | 55.8 | 40.1 |
| Currently Unoccupied | 99.1 | 66.6 | 45.8 | 99.1 | 47.2 | 34.6 | 0.0 | 40.1 | 34.2 |

RSEs for Table C7. Consumption and Gross Energy Intensity by Census Division for Sum of Major Fuels for Non-Mall Buildings, 2003: Part 1

| | RSEs for Sum of Major Fuel Consumption | | | RSEs for Total Floorspace of Buildings | | | RSEs for Energy Intensity for Sum of Major Fuels | | |
|---|--|-----------------|--------------------|--|-----------------|--------------------|--|-----------------|--------------------|
| | New England | Middle Atlantic | East North Central | New England | Middle Atlantic | East North Central | New England | Middle Atlantic | East North Central |
| All Buildings* | 26.4 | 10.0 | 6.9 | 23.9 | 10.5 | 9.9 | 18.6 | 13.6 | 8.5 |
| Predominant Exterior Wall Material | | | | | | | | | |
| Brick, Stone or Stucco | 33.8 | 12.2 | 9.6 | 23.7 | 13.2 | 10.5 | 26.4 | 17.9 | 11.3 |
| Concrete (Block or Poured) | 36.5 | 24.5 | 21.3 | 20.1 | 17.1 | 21.1 | 29.6 | 28.8 | 13.5 |
| Concrete Panels | 73.9 | 25.5 | 21.1 | 59.8 | 31.9 | 15.0 | 42.7 | 36.5 | 21.1 |
| Siding or Shingles | 33.0 | 30.0 | 36.0 | 33.8 | 17.9 | 29.8 | 17.6 | 28.7 | 28.9 |
| Metal Panels | 52.3 | 53.5 | 34.7 | 42.0 | 23.4 | 25.3 | 70.7 | 40.5 | 17.4 |
| Window Glass | 101.8 | 55.7 | 70.7 | 97.8 | 27.6 | 54.2 | 108.0 | 41.5 | 65.0 |
| Other | 100.8 | 47.7 | 61.8 | 77.6 | 35.9 | 34.5 | 104.6 | 35.2 | 54.1 |
| No One Major Type | X | X | 63.9 | 99.8 | 53.5 | 27.0 | X | X | 39.7 |
| Predominant Roof Material | | | | | | | | | |
| Built-Up | 25.9 | 14.7 | 10.1 | 37.3 | 11.3 | 10.8 | 33.4 | 17.4 | 10.9 |
| Shingles (Not Wood) | 17.1 | 29.4 | 15.8 | 18.9 | 13.7 | 10.3 | 10.5 | 26.9 | 15.0 |
| Metal Surfacing | 84.0 | 23.9 | 23.7 | 59.9 | 40.6 | 26.1 | 16.0 | 32.0 | 16.7 |
| Synthetic or Rubber | 47.4 | 14.4 | 12.1 | 27.5 | 11.7 | 12.7 | 36.1 | 11.5 | 8.4 |
| Slate or Tile | 100.1 | 24.6 | 30.6 | 38.2 | 16.6 | 22.3 | 115.2 | 37.1 | 23.5 |
| Wooden Materials | 100.1 | 71.6 | 82.8 | 62.5 | 57.9 | 35.2 | 125.9 | 57.4 | 53.2 |
| Concrete | X | X | 67.2 | 36.9 | 90.9 | 77.0 | X | X | 85.3 |
| Other | X | 100.1 | 47.8 | 100.1 | 70.8 | 36.3 | X | 104.9 | 51.4 |
| No One Major Type | 60.8 | 54.9 | 53.0 | 65.9 | 61.4 | 46.0 | 22.1 | 21.3 | 45.1 |
| Renovations in Buildings Constructed Before 1980 (more than one may apply) | | | | | | | | | |
| Any Type of Renovation | 28.9 | 13.2 | 12.1 | 34.7 | 13.4 | 10.9 | 13.3 | 14.1 | 9.5 |
| Since 1980 | 83.4 | 29.2 | 16.9 | 86.5 | 24.6 | 14.6 | 19.9 | 34.6 | 11.9 |
| Addition or Annex | 88.9 | 45.4 | 50.3 | 83.6 | 39.5 | 38.6 | 33.7 | 34.6 | 36.6 |
| Reduction In Floorspace | 28.2 | 14.0 | 14.9 | 25.6 | 14.7 | 12.4 | 17.6 | 15.7 | 11.7 |
| Cosmetic Improvements | 35.9 | 26.7 | 20.7 | 30.5 | 16.3 | 13.8 | 22.7 | 28.1 | 12.0 |
| Wall or Roof Replacement | 28.6 | 21.2 | 13.7 | 29.7 | 13.9 | 15.2 | 32.5 | 24.6 | 8.8 |
| Interior Wall | | | | | | | | | |
| Re-Configuration | 31.6 | 18.5 | 14.7 | 24.5 | 14.4 | 12.8 | 28.1 | 19.4 | 11.7 |
| HVAC Equipment Upgrade | 20.4 | 16.2 | 12.9 | 26.3 | 15.8 | 13.0 | 19.9 | 14.8 | 12.6 |
| Lighting Upgrade | 35.8 | 21.6 | 17.9 | 31.0 | 14.5 | 15.0 | 28.5 | 27.2 | 18.9 |
| Window Replacement | 40.6 | 23.4 | 20.1 | 33.9 | 15.6 | 17.4 | 24.1 | 31.2 | 11.3 |
| Plumbing System Upgrade | 52.3 | 22.0 | 19.7 | 43.7 | 26.6 | 18.1 | 36.8 | 24.9 | 18.7 |
| Insulation Upgrade | 77.4 | 57.7 | 48.3 | 62.7 | 48.7 | 39.8 | 50.7 | 52.2 | 26.1 |
| Other Renovation | 15.5 | 8.9 | 14.1 | 17.9 | 15.3 | 17.8 | 21.6 | 21.3 | 15.9 |
| No Renovations Since 1980 | 54.2 | 20.8 | 10.8 | 23.6 | 15.9 | 12.3 | 43.6 | 17.3 | 9.5 |
| Energy Sources (more than one may apply) | | | | | | | | | |
| Electricity | 26.4 | 10.0 | 6.9 | 20.8 | 10.6 | 13.7 | 15.5 | 14.6 | 11.0 |
| Natural Gas | 38.5 | 10.2 | 6.6 | 29.1 | 10.5 | 6.0 | 36.3 | 16.8 | 3.6 |
| Fuel Oil | 30.6 | 22.8 | 16.3 | 30.9 | 19.2 | 13.8 | 8.6 | 14.2 | 11.4 |
| District Heat | 67.0 | 55.1 | 37.0 | 34.8 | 23.4 | 38.7 | 75.3 | 42.9 | 46.1 |
| District Chilled Water | 71.7 | 62.6 | 41.4 | 54.0 | 24.5 | 30.3 | 102.3 | 60.3 | 36.6 |
| Propane | 41.5 | 47.2 | 35.3 | 51.1 | 48.2 | 59.6 | 12.0 | 28.5 | 27.4 |
| Other | 50.5 | 66.2 | 40.8 | 58.6 | 40.5 | 28.5 | 30.3 | 26.8 | 30.2 |

RSEs for Table C7. Consumption and Gross Energy Intensity by Census Division for Sum of Major Fuels for Non-Mall Buildings, 2003: Part 1

| | RSEs for Sum of Major Fuel Consumption | | | RSEs for Total Floorspace of Buildings | | | RSEs for Energy Intensity for Sum of Major Fuels | | |
|---|--|-----------------|--------------------|--|-----------------|--------------------|--|-----------------|--------------------|
| | New England | Middle Atlantic | East North Central | New England | Middle Atlantic | East North Central | New England | Middle Atlantic | East North Central |
| All Buildings* | 26.4 | 10.0 | 6.9 | 23.9 | 10.5 | 9.9 | 18.6 | 13.6 | 8.5 |
| Space-Heating Energy Sources (more than one may apply) | | | | | | | | | |
| Electricity | 50.0 | 18.5 | 14.6 | 19.2 | 15.7 | 9.2 | 47.4 | 10.4 | 10.3 |
| Natural Gas | 38.5 | 9.6 | 6.7 | 23.0 | 12.3 | 6.8 | 35.7 | 12.8 | 5.2 |
| Fuel Oil | 31.3 | 30.5 | 30.2 | 32.2 | 34.3 | 25.5 | 10.6 | 53.6 | 24.6 |
| District Heat | 67.0 | 55.1 | 37.0 | 32.5 | 24.2 | 38.7 | 75.6 | 42.7 | 46.1 |
| Propane | 20.5 | 71.4 | 65.7 | 54.1 | 78.2 | 64.5 | 48.8 | 13.0 | 8.8 |
| Other | 54.3 | 50.4 | 28.0 | 67.3 | 45.3 | 43.6 | 8.8 | 14.9 | 23.3 |
| Primary Space-Heating Energy Source | | | | | | | | | |
| Electricity | 39.7 | 27.6 | 21.0 | 40.3 | 16.1 | 12.2 | 28.6 | 16.5 | 16.9 |
| Natural Gas | 42.7 | 9.6 | 5.9 | 25.4 | 11.7 | 7.0 | 37.2 | 12.5 | 5.2 |
| Fuel Oil | 31.1 | 37.3 | 64.5 | 32.1 | 40.8 | 28.6 | 11.6 | 62.9 | 76.2 |
| District Heat | 83.5 | 55.1 | 37.0 | 33.6 | 23.7 | 40.9 | 91.6 | 42.2 | 46.4 |
| Propane | 58.9 | 70.5 | 63.9 | 71.4 | 74.2 | 64.8 | 19.0 | 76.5 | 13.5 |
| Other | 98.3 | 77.2 | 98.9 | 98.0 | 50.8 | 99.6 | 3.5 | 19.9 | 1.3 |
| Cooling Energy Sources (more than one may apply) | | | | | | | | | |
| Electricity | 30.3 | 10.4 | 8.2 | 19.0 | 10.6 | 8.0 | 22.3 | 13.0 | 5.5 |
| Natural Gas | 52.2 | 54.2 | 44.2 | 53.4 | 37.7 | 41.7 | 43.1 | 66.6 | 24.3 |
| District Chilled Water | 71.7 | 62.6 | 41.4 | 54.0 | 24.5 | 30.3 | 102.3 | 60.3 | 36.6 |
| Water-Heating Energy Sources (more than one may apply) | | | | | | | | | |
| Electricity | 18.9 | 19.8 | 12.8 | 30.6 | 14.4 | 13.9 | 18.7 | 18.6 | 11.4 |
| Natural Gas | 54.0 | 9.4 | 8.0 | 34.0 | 12.9 | 7.3 | 35.6 | 17.1 | 5.9 |
| Fuel Oil | 39.3 | 34.3 | 72.2 | 23.0 | 37.3 | 76.7 | 24.0 | 80.7 | 16.4 |
| District Heat | 64.0 | 60.2 | 37.6 | 48.5 | 25.3 | 25.2 | 68.0 | 42.2 | 38.2 |
| Propane | 53.5 | 71.0 | 82.5 | 54.7 | 66.2 | 75.5 | 39.0 | 18.9 | 73.8 |
| Cooking Energy Sources (more than one may apply) | | | | | | | | | |
| Electricity | 36.4 | 29.6 | 17.7 | 19.0 | 16.3 | 12.8 | 26.4 | 30.6 | 12.8 |
| Natural Gas | 56.2 | 21.0 | 12.7 | 34.5 | 24.0 | 11.4 | 36.8 | 31.3 | 10.1 |
| Propane | 38.9 | 71.6 | 97.9 | 45.9 | 58.2 | 68.7 | 9.8 | 56.6 | 19.2 |
| Energy End Uses (more than one may apply) | | | | | | | | | |
| Buildings with Space Heating | 26.8 | 10.0 | 6.8 | 22.8 | 10.3 | 9.8 | 19.0 | 13.8 | 8.4 |
| Buildings with Cooling | 31.5 | 10.4 | 8.1 | 19.3 | 10.4 | 7.9 | 22.6 | 12.9 | 5.9 |
| Buildings with Water Heating | 27.1 | 9.6 | 7.0 | 22.1 | 10.5 | 7.6 | 17.0 | 14.0 | 6.4 |
| Buildings with Cooking | 29.8 | 21.1 | 12.4 | 24.5 | 20.2 | 11.3 | 11.0 | 28.6 | 9.1 |
| Buildings with Manufacturing | 59.3 | 35.7 | 41.8 | 76.4 | 31.6 | 23.1 | 78.2 | 28.4 | 29.8 |
| Buildings with Electricity Generation | 39.0 | 26.9 | 14.2 | 30.0 | 13.8 | 13.5 | 21.0 | 28.6 | 11.4 |
| Percent of Floorspace Heated | | | | | | | | | |
| Not Heated | 61.9 | 8.5 | 71.0 | 56.2 | 37.8 | 30.0 | 70.0 | 43.2 | 58.4 |
| 1 to 50 | 57.7 | 39.8 | 46.2 | 58.4 | 27.9 | 32.1 | 55.0 | 17.6 | 19.6 |
| 51 to 99 | 33.0 | 18.4 | 19.1 | 24.5 | 15.7 | 19.5 | 28.0 | 15.5 | 19.6 |
| 100 | 25.9 | 11.3 | 8.6 | 17.5 | 14.6 | 10.1 | 21.2 | 16.5 | 9.3 |

RSEs for Table C7. Consumption and Gross Energy Intensity by Census Division for Sum of Major Fuels for Non-Mall Buildings, 2003: Part 1

| | RSEs for Sum of Major Fuel Consumption | | | RSEs for Total Floorspace of Buildings | | | RSEs for Energy Intensity for Sum of Major Fuels | | |
|---|--|-----------------|--------------------|--|-----------------|--------------------|--|-----------------|--------------------|
| | New England | Middle Atlantic | East North Central | New England | Middle Atlantic | East North Central | New England | Middle Atlantic | East North Central |
| All Buildings* | 26.4 | 10.0 | 6.9 | 23.9 | 10.5 | 9.9 | 18.6 | 13.6 | 8.5 |
| Percent of Floorspace Cooled | | | | | | | | | |
| Not Cooled | 34.0 | 37.5 | 32.1 | 41.7 | 30.4 | 35.6 | 48.5 | 33.2 | 19.5 |
| 1 to 50 | 27.5 | 18.1 | 18.6 | 23.7 | 17.6 | 13.5 | 28.3 | 18.0 | 12.6 |
| 51 to 99 | 57.8 | 18.6 | 18.4 | 24.1 | 15.4 | 15.2 | 46.3 | 19.4 | 12.1 |
| 100 | 33.2 | 20.1 | 12.7 | 28.3 | 11.2 | 10.0 | 28.6 | 16.8 | 8.3 |
| Percent Lit When Open | | | | | | | | | |
| Zero | 100.5 | 78.5 | X | 100.5 | 71.4 | 72.1 | 0.0 | 41.3 | X |
| 1 to 50 | 33.9 | 26.6 | 12.2 | 46.3 | 18.9 | 11.3 | 28.3 | 31.3 | 10.8 |
| 51 to 99 | 23.3 | 19.8 | 14.6 | 17.0 | 11.0 | 12.2 | 17.4 | 18.0 | 6.5 |
| 100 | 32.6 | 15.8 | 10.6 | 21.8 | 12.4 | 13.5 | 17.7 | 20.5 | 14.9 |
| Building Never Open/ Electricity Not Used | 99.1 | 62.2 | 33.5 | 47.5 | 41.7 | 30.7 | 62.3 | 38.5 | 23.8 |
| Percent Lit When Closed | | | | | | | | | |
| Zero | 17.5 | 14.7 | 10.6 | 24.4 | 17.3 | 16.8 | 17.8 | 17.4 | 18.2 |
| 1 to 50 | 30.4 | 15.5 | 9.6 | 28.5 | 11.0 | 9.4 | 23.6 | 19.6 | 8.1 |
| 51 to 100 | 59.7 | 38.4 | 45.1 | 42.6 | 28.6 | 55.4 | 21.5 | 60.6 | 40.5 |
| Building Never Closed/ Electricity Not Used | 54.3 | 21.8 | 18.3 | 31.3 | 12.6 | 14.7 | 37.2 | 20.8 | 16.8 |
| Heating Equipment (more than one may apply) | | | | | | | | | |
| Heat Pumps | 63.9 | 34.3 | 27.3 | 23.1 | 22.6 | 30.1 | 59.8 | 22.3 | 18.8 |
| Packaged Heat Pumps | 85.2 | 44.0 | 31.7 | 50.2 | 26.4 | 30.1 | 92.8 | 32.5 | 24.3 |
| Split-System Heat Pumps | 58.6 | 35.3 | 30.7 | 8.4 | 25.1 | 39.2 | 55.5 | 29.6 | 41.2 |
| Individual Room Heat Pumps | 73.6 | 50.8 | 41.2 | 29.7 | 31.0 | 46.3 | 63.6 | 39.4 | 35.0 |
| Furnaces | 35.8 | 17.6 | 9.2 | 41.9 | 15.9 | 9.7 | 25.0 | 15.8 | 6.8 |
| Individual Space Heaters | 51.0 | 27.9 | 16.4 | 25.0 | 23.1 | 14.0 | 49.1 | 17.8 | 11.7 |
| District Heat | 67.0 | 55.1 | 37.0 | 32.5 | 24.8 | 38.7 | 75.6 | 42.1 | 46.1 |
| Boilers | 36.3 | 14.8 | 7.9 | 21.8 | 19.7 | 7.8 | 27.1 | 22.9 | 6.1 |
| Packaged Heating Units | 45.4 | 21.7 | 15.2 | 28.1 | 15.2 | 14.9 | 26.2 | 17.7 | 12.0 |
| Other | 22.6 | 33.1 | 32.2 | 45.6 | 30.3 | 22.5 | 24.3 | 30.8 | 19.9 |
| Cooling Equipment (more than one may apply) | | | | | | | | | |
| Residential-Type Central | | | | | | | | | |
| Air Conditioners | 56.1 | 21.7 | 11.4 | 41.6 | 20.9 | 11.5 | 43.1 | 34.5 | 6.8 |
| Heat Pumps | 62.0 | 33.2 | 27.5 | 32.4 | 22.8 | 29.5 | 60.4 | 26.5 | 18.5 |
| Packaged Heat Pumps | 74.7 | 41.2 | 32.0 | 59.4 | 26.2 | 29.4 | 75.7 | 44.1 | 24.2 |
| Split-System Heat Pumps | 58.6 | 35.3 | 31.5 | 8.4 | 25.1 | 33.9 | 55.5 | 29.6 | 34.6 |
| Individual Room Heat Pumps | 73.6 | 50.8 | 41.2 | 25.6 | 31.0 | 46.3 | 64.6 | 39.4 | 35.0 |
| Individual Air Conditioners | 28.6 | 16.8 | 11.3 | 23.0 | 22.2 | 13.0 | 15.7 | 29.1 | 11.0 |
| District Chilled Water | 71.7 | 62.6 | 41.4 | 54.0 | 24.5 | 30.3 | 102.3 | 60.3 | 36.6 |
| Central Chillers | 42.5 | 28.0 | 13.7 | 24.3 | 18.7 | 13.8 | 28.0 | 18.2 | 12.3 |
| Packaged Air Conditioning | | | | | | | | | |
| Units | 39.0 | 10.3 | 10.8 | 19.7 | 14.3 | 9.9 | 28.2 | 18.5 | 9.1 |
| Swamp Coolers | X | X | 101.3 | 103.7 | 100.1 | 89.9 | X | X | 101.1 |
| Other | 100.1 | 64.5 | 29.9 | 89.7 | 34.9 | 39.6 | 100.8 | 49.7 | 29.2 |
| Main Equipment Replaced Since 1990 (more than one may apply) | | | | | | | | | |
| Heating | 31.7 | 13.8 | 11.7 | 39.7 | 16.2 | 8.9 | 31.7 | 13.6 | 9.8 |
| Cooling | 28.9 | 16.7 | 12.5 | 18.7 | 16.2 | 9.7 | 21.9 | 11.1 | 6.9 |

RSEs for Table C7. Consumption and Gross Energy Intensity by Census Division for Sum of Major Fuels for Non-Mall Buildings, 2003: Part 1

| | RSEs for Sum of Major Fuel Consumption | | | RSEs for Total Floorspace of Buildings | | | RSEs for Energy Intensity for Sum of Major Fuels | | |
|--|--|-----------------|--------------------|--|-----------------|--------------------|--|-----------------|--------------------|
| | New England | Middle Atlantic | East North Central | New England | Middle Atlantic | East North Central | New England | Middle Atlantic | East North Central |
| All Buildings* | 26.4 | 10.0 | 6.9 | 23.9 | 10.5 | 9.9 | 18.6 | 13.6 | 8.5 |
| Water Heating Equipment | | | | | | | | | |
| Centralized System | 18.4 | 9.6 | 10.2 | 18.9 | 8.7 | 7.8 | 11.6 | 14.4 | 8.0 |
| Distributed System | 66.9 | 31.2 | 30.4 | 55.8 | 31.2 | 25.0 | 72.5 | 35.4 | 16.5 |
| Combination of Centralized and Distributed System | 40.1 | 22.7 | 24.1 | 26.5 | 21.3 | 11.6 | 30.6 | 14.8 | 16.7 |
| Lighting Equipment Types (more than one may apply) | | | | | | | | | |
| Incandescent | 31.8 | 13.7 | 6.8 | 21.4 | 14.6 | 9.0 | 28.6 | 23.0 | 5.5 |
| Standard Fluorescent | 27.3 | 10.0 | 6.6 | 21.9 | 10.9 | 9.7 | 19.6 | 14.6 | 8.5 |
| Compact Fluorescent | 37.7 | 18.6 | 9.2 | 20.8 | 15.0 | 10.5 | 27.6 | 19.1 | 7.0 |
| High Intensity Discharge | 47.4 | 13.9 | 9.2 | 22.6 | 14.6 | 14.4 | 38.3 | 15.2 | 12.0 |
| Halogen | 37.1 | 20.3 | 10.8 | 27.1 | 11.6 | 9.1 | 17.5 | 21.5 | 11.4 |
| Other | X | 71.0 | 92.5 | 98.4 | 64.7 | 77.8 | X | 22.6 | 13.9 |
| Refrigeration Equipment (more than one may apply)^a | | | | | | | | | |
| Any Refrigeration..... | 28.2 | 10.7 | 7.7 | 22.5 | 10.2 | 8.0 | 18.3 | 14.5 | 6.4 |
| Commercial Refrigeration | 34.6 | 16.7 | 11.9 | 21.8 | 14.2 | 12.6 | 29.0 | 21.5 | 9.1 |
| Walk-In Units | 35.4 | 18.4 | 11.8 | 22.9 | 19.9 | 10.5 | 30.6 | 27.4 | 10.9 |
| Cases or Cabinets | 39.6 | 15.1 | 16.9 | 19.0 | 12.2 | 15.5 | 31.8 | 14.8 | 9.6 |
| Residential-Type Units | 31.4 | 13.1 | 12.4 | 21.9 | 11.4 | 10.6 | 21.0 | 20.7 | 5.1 |
| Vending Machines | 37.3 | 8.2 | 8.6 | 22.6 | 11.5 | 11.4 | 27.6 | 14.1 | 7.1 |
| No Refrigeration | 8.8 | 21.2 | 19.1 | 32.4 | 20.3 | 25.1 | 35.1 | 18.4 | 21.0 |
| Office Equipment (more than one may apply) | | | | | | | | | |
| Computers | 27.8 | 10.0 | 7.7 | 20.4 | 10.2 | 8.2 | 19.1 | 14.2 | 6.9 |
| With Flat Screen Monitors | 35.3 | 20.0 | 8.1 | 22.4 | 13.1 | 7.5 | 23.6 | 15.8 | 5.9 |
| Dedicated Servers | 36.1 | 13.0 | 10.4 | 25.3 | 11.7 | 9.1 | 27.7 | 13.6 | 5.8 |
| Laser Printers | 19.2 | 13.0 | 8.5 | 20.4 | 9.3 | 5.3 | 15.1 | 15.4 | 9.1 |
| Inkjet Printers | 38.2 | 15.5 | 8.8 | 24.6 | 14.0 | 8.3 | 26.1 | 13.6 | 5.4 |
| FAX Machines | 31.5 | 9.9 | 8.7 | 21.7 | 10.4 | 7.5 | 21.5 | 14.0 | 5.6 |
| Photocopiers | 32.6 | 11.2 | 9.0 | 15.6 | 10.7 | 8.4 | 25.1 | 15.2 | 6.1 |
| Number of Computers | | | | | | | | | |
| None | 19.6 | 16.9 | 19.1 | 46.8 | 23.0 | 25.5 | 44.3 | 23.0 | 22.5 |
| 1 to 4 | 25.0 | 21.8 | 14.4 | 27.8 | 19.5 | 19.8 | 24.0 | 31.1 | 15.5 |
| 5 to 9 | 28.2 | 30.6 | 18.9 | 50.8 | 19.4 | 11.5 | 22.0 | 29.7 | 15.4 |
| 10 to 19 | 37.1 | 35.8 | 21.4 | 16.8 | 23.7 | 12.4 | 23.8 | 24.8 | 16.3 |
| 20 to 49 | 35.3 | 18.6 | 17.8 | 36.8 | 26.5 | 12.8 | 56.3 | 15.0 | 14.5 |
| 50 to 99 | 53.6 | 31.6 | 19.8 | 44.9 | 31.2 | 14.3 | 24.7 | 64.4 | 20.2 |
| 100 to 249 | 38.8 | 34.8 | 16.6 | 36.2 | 20.7 | 18.2 | 29.7 | 16.3 | 16.0 |
| 250 or More | 50.7 | 27.4 | 12.6 | 22.7 | 13.4 | 18.8 | 39.1 | 33.6 | 15.4 |
| Number of Dedicated Servers | | | | | | | | | |
| None | 15.8 | 14.7 | 9.7 | 23.9 | 13.9 | 15.2 | 18.3 | 21.2 | 17.0 |
| 1 to 4 | 28.5 | 11.7 | 7.0 | 18.0 | 16.2 | 5.8 | 17.0 | 15.7 | 5.9 |
| 5 to 9 | 101.5 | 24.3 | 12.9 | 71.6 | 21.8 | 16.9 | 87.6 | 29.4 | 19.5 |
| 10 to 19 | 54.8 | 49.4 | 32.8 | 44.6 | 36.1 | 23.6 | 49.3 | 63.8 | 27.4 |
| 20 to 49 | 100.0 | 43.8 | 41.2 | 60.2 | 29.5 | 26.7 | 111.8 | 46.3 | 24.3 |
| 50 or More | 86.4 | 45.2 | 31.6 | 54.0 | 26.7 | 57.3 | 85.5 | 34.4 | 21.7 |

RSEs for Table C7. Consumption and Gross Energy Intensity by Census Division for Sum of Major Fuels for Non-Mall Buildings, 2003: Part 1

| | RSEs for Sum of Major Fuel Consumption | | | RSEs for Total Floorspace of Buildings | | | RSEs for Energy Intensity for Sum of Major Fuels | | |
|--|--|-----------------|--------------------|--|-----------------|--------------------|--|-----------------|--------------------|
| | New England | Middle Atlantic | East North Central | New England | Middle Atlantic | East North Central | New England | Middle Atlantic | East North Central |
| All Buildings* | 26.4 | 10.0 | 6.9 | 23.9 | 10.5 | 9.9 | 18.6 | 13.6 | 8.5 |
| Number of Photocopiers | | | | | | | | | |
| None | 25.1 | 19.0 | 13.9 | 47.1 | 16.7 | 19.7 | 19.5 | 16.5 | 22.5 |
| One | 26.2 | 12.4 | 15.2 | 18.0 | 18.7 | 14.1 | 20.6 | 22.3 | 6.2 |
| 2 to 4 | 24.5 | 12.6 | 10.2 | 26.5 | 13.4 | 6.0 | 23.6 | 14.5 | 8.6 |
| 5 to 9 | 70.6 | 33.8 | 18.3 | 33.9 | 27.2 | 15.9 | 59.0 | 43.9 | 19.7 |
| 10 or More | 31.8 | 28.6 | 15.1 | 16.4 | 16.2 | 17.6 | 35.6 | 32.1 | 15.5 |
| Energy-Related Space Functions (more than one may apply) | | | | | | | | | |
| Commercial Food Preparation | 29.8 | 21.1 | 12.4 | 24.5 | 20.2 | 11.3 | 11.0 | 28.6 | 9.1 |
| Activities with Large Amounts of Hot Water | 48.1 | 21.3 | 12.3 | 22.0 | 25.6 | 12.4 | 34.8 | 39.9 | 9.4 |
| Separate Computer Area | 42.2 | 15.2 | 14.2 | 24.2 | 11.1 | 11.6 | 30.7 | 18.7 | 7.4 |
| HVAC Conservation Features (more than one may apply) | | | | | | | | | |
| Variable Air-Volume System | 57.3 | 18.3 | 7.4 | 30.0 | 13.5 | 7.8 | 41.6 | 17.6 | 7.9 |
| Economizer Cycle | 46.7 | 18.0 | 9.6 | 25.0 | 17.4 | 8.8 | 30.2 | 15.7 | 8.1 |
| HVAC Maintenance | 28.9 | 11.7 | 7.5 | 22.5 | 12.2 | 10.8 | 17.6 | 15.1 | 8.5 |
| Energy Management and Control System (EMCS) | 45.6 | 23.3 | 15.4 | 32.6 | 10.1 | 11.7 | 34.9 | 24.3 | 10.2 |
| Window and Interior Lighting Features (more than one may apply) | | | | | | | | | |
| Multipaned Windows | 33.2 | 10.6 | 9.7 | 26.2 | 12.3 | 7.8 | 20.9 | 16.7 | 6.3 |
| Tinted Window Glass | 50.5 | 14.1 | 8.0 | 17.1 | 15.9 | 15.3 | 44.2 | 20.0 | 14.0 |
| Reflective Window Glass | 78.4 | 30.2 | 19.8 | 32.6 | 13.0 | 15.3 | 76.4 | 27.4 | 13.2 |
| External Overhangs or Awnings | 44.9 | 26.5 | 20.5 | 37.6 | 16.7 | 17.0 | 10.7 | 33.4 | 12.4 |
| Skylights or Atriums | 36.6 | 23.8 | 17.6 | 24.9 | 14.6 | 14.5 | 22.9 | 25.4 | 14.5 |
| Daylighting Sensors | 83.7 | 51.6 | 29.6 | 35.4 | 32.0 | 26.0 | 77.0 | 34.8 | 30.7 |
| Specular Reflectors | 44.8 | 18.7 | 7.2 | 33.1 | 12.1 | 12.5 | 26.6 | 18.5 | 10.7 |
| Electronic Ballasts | 31.5 | 13.2 | 8.5 | 23.7 | 13.1 | 10.9 | 22.8 | 15.6 | 9.3 |
| Energy Management and Control System (EMCS) For Lighting | X | 33.7 | 15.8 | 52.8 | 13.7 | 26.4 | X | 38.0 | 19.4 |
| Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^a | | | | | | | | | |
| Heating | 25.2 | 11.6 | 9.6 | 21.8 | 11.2 | 9.2 | 11.1 | 15.8 | 8.7 |
| Cooling | 23.2 | 11.2 | 11.8 | 18.4 | 11.0 | 9.5 | 19.9 | 15.2 | 8.6 |
| Lighting | 24.2 | 11.0 | 6.8 | 25.9 | 11.8 | 10.8 | 15.1 | 15.2 | 9.5 |
| Office Equipment | 29.5 | 16.3 | 12.6 | 16.1 | 11.5 | 14.0 | 18.3 | 20.3 | 12.5 |

X=No cases in the responding sample reported their consumption for the particular fuel, so relative standard error could not be calculated.

RSEs for Table C8. Consumption and Gross Energy Intensity by Census Division for Sum of Major Fuels for Non-Mall Buildings, 2003: Part 2

| | RSEs for Sum of Major Fuel Consumption | | | RSEs for Total Floorspace of Buildings | | | RSEs for Energy Intensity for Sum of Major Fuels | | |
|--|--|----------------|--------------------|--|----------------|--------------------|--|----------------|--------------------|
| | West North Central | South Atlantic | East South Central | West North Central | South Atlantic | East South Central | West North Central | South Atlantic | East South Central |
| All Buildings* | 10.5 | 8.9 | 19.2 | 10.2 | 5.0 | 11.1 | 9.4 | 10.2 | 25.0 |
| Building Floorspace (Square Feet) | | | | | | | | | |
| 1,001 to 5,000 | 19.2 | 20.8 | 20.3 | 25.4 | 15.3 | 29.6 | 20.8 | 13.6 | 17.2 |
| 5,001 to 10,000 | 23.2 | 15.3 | 26.3 | 12.4 | 10.8 | 20.8 | 17.0 | 8.6 | 30.7 |
| 10,001 to 25,000 | 17.7 | 22.5 | 50.1 | 8.5 | 15.9 | 14.2 | 21.9 | 26.7 | 53.5 |
| 25,001 to 50,000 | 29.9 | 18.0 | 20.1 | 15.1 | 11.7 | 15.6 | 18.5 | 13.4 | 36.4 |
| 50,001 to 100,000 | 28.5 | 14.5 | 29.5 | 33.8 | 18.2 | 20.8 | 25.1 | 15.6 | 18.9 |
| 100,001 to 200,000 | 23.6 | 37.6 | 29.4 | 24.7 | 25.1 | 39.6 | 30.4 | 25.8 | 11.2 |
| 200,001 to 500,000 | 42.5 | 24.0 | 25.0 | 46.1 | 21.1 | 42.0 | 57.0 | 14.8 | 20.7 |
| Over 500,000 | 46.1 | 49.1 | 39.3 | 36.8 | 33.3 | 39.7 | 27.2 | 26.7 | 4.1 |
| Principal Building Activity | | | | | | | | | |
| Education | 35.7 | 12.4 | 37.5 | 28.7 | 11.5 | 47.9 | 17.0 | 11.4 | 32.6 |
| Food Sales | 57.4 | 47.9 | 67.6 | 52.7 | 18.5 | 53.6 | 45.5 | 37.2 | 29.7 |
| Food Service | 35.1 | 44.2 | 15.2 | 39.6 | 21.3 | 14.2 | 39.0 | 35.8 | 10.2 |
| Health Care | 25.3 | 21.5 | 25.5 | 19.7 | 19.5 | 22.1 | 24.8 | 29.5 | 15.2 |
| Inpatient | 29.0 | 31.1 | 21.2 | 23.7 | 38.6 | 17.5 | 23.5 | 61.8 | 8.9 |
| Outpatient | 25.6 | 22.6 | 58.8 | 25.9 | 26.0 | 36.3 | 26.5 | 31.1 | 27.9 |
| Lodging | 17.5 | 43.7 | 57.4 | 14.6 | 19.5 | 25.2 | 19.7 | 33.7 | 48.8 |
| Retail (Other Than Mall)..... | 45.4 | 30.9 | 4.7 | 37.7 | 17.4 | 23.6 | 21.1 | 24.5 | 29.1 |
| Office | 24.9 | 20.5 | 45.7 | 12.6 | 18.3 | 31.3 | 15.2 | 7.6 | 18.7 |
| Public Assembly | 33.5 | 33.5 | 61.7 | 27.6 | 23.2 | 48.1 | 18.6 | 36.7 | 44.8 |
| Public Order and Safety | 18.4 | 55.5 | 89.2 | 30.7 | 65.6 | 44.9 | 16.1 | 57.6 | 81.5 |
| Religious Worship | 25.4 | 33.1 | 33.6 | 26.1 | 20.6 | 39.2 | 15.2 | 21.5 | 12.0 |
| Service | 21.6 | 56.7 | 42.9 | 16.3 | 22.4 | 43.4 | 18.8 | 49.4 | 20.4 |
| Warehouse and Storage | 40.2 | 38.4 | 64.7 | 13.7 | 18.6 | 16.1 | 36.9 | 38.1 | 69.3 |
| Other | 87.7 | 100.1 | 96.0 | 54.7 | 67.6 | 55.1 | 74.6 | 153.0 | 52.0 |
| Vacant | 80.8 | 65.5 | X | 29.0 | 38.1 | 23.9 | 84.2 | 78.5 | X |
| Year Constructed | | | | | | | | | |
| Before 1920 | 22.5 | 64.7 | 100.2 | 29.6 | 59.8 | 65.7 | 25.5 | 20.3 | 100.0 |
| 1920 to 1945 | 57.9 | 34.1 | 41.7 | 30.5 | 29.7 | 30.5 | 53.5 | 38.2 | 12.5 |
| 1946 to 1959 | 44.2 | 24.8 | 69.7 | 13.2 | 19.8 | 27.9 | 35.2 | 23.1 | 38.4 |
| 1960 to 1969 | 48.1 | 19.9 | 24.1 | 21.0 | 16.0 | 32.7 | 40.7 | 20.1 | 35.0 |
| 1970 to 1979 | 11.5 | 31.4 | 19.1 | 21.0 | 8.2 | 5.4 | 18.5 | 29.3 | 21.0 |
| 1980 to 1989 | 11.5 | 13.1 | 55.9 | 17.2 | 11.8 | 20.6 | 21.9 | 13.7 | 38.7 |
| 1990 to 1999 | 21.2 | 21.6 | 12.4 | 19.9 | 11.4 | 26.5 | 19.7 | 22.3 | 28.9 |
| 2000 to 2003 | 41.7 | 30.7 | 35.4 | 25.7 | 12.8 | 39.5 | 18.2 | 26.2 | 23.4 |
| Climate Zone: 30-Year Average | | | | | | | | | |
| Under 2,000 CDD and -- | | | | | | | | | |
| More than 7,000 HDD | 20.4 | 0.0 | 0.0 | 19.8 | 0.0 | 0.0 | 4.5 | 0.0 | 0.0 |
| 5,500-7,000 HDD | 42.5 | 0.0 | 0.0 | 53.6 | 0.0 | 0.0 | 20.2 | 0.0 | 0.0 |
| 4,000-5,499 HDD | 9.9 | 43.0 | 69.9 | 27.4 | 35.8 | 71.8 | 28.8 | 12.0 | 32.1 |
| Fewer than 4,000 HDD | 0.0 | 16.8 | 59.3 | 0.0 | 16.7 | 61.5 | 0.0 | 15.8 | 11.8 |
| 2,000 CDD or More and -- | | | | | | | | | |
| Fewer than 4,000 HDD | 0.0 | 12.4 | 93.1 | 0.0 | 7.9 | 92.6 | 0.0 | 15.4 | 1.0 |
| Number of Floors | | | | | | | | | |
| One | 10.6 | 11.4 | 9.0 | 14.9 | 12.9 | 25.8 | 13.6 | 7.9 | 19.8 |
| Two | 13.5 | 25.1 | 47.6 | 11.2 | 11.8 | 27.1 | 12.8 | 24.4 | 42.7 |
| Three | 26.7 | 13.4 | 28.8 | 21.6 | 19.1 | 21.5 | 12.3 | 17.0 | 14.4 |
| Four to Nine | 32.1 | 40.2 | 34.3 | 31.7 | 29.5 | 41.8 | 26.0 | 26.1 | 14.4 |
| Ten or More | 77.6 | 38.4 | 23.7 | 35.1 | 49.3 | 34.0 | 93.6 | 20.8 | 16.9 |

RSEs for Table C8. Consumption and Gross Energy Intensity by Census Division for Sum of Major Fuels for Non-Mall Buildings, 2003: Part 2

| | RSEs for Sum of Major Fuel Consumption | | | RSEs for Total Floorspace of Buildings | | | RSEs for Energy Intensity for Sum of Major Fuels | | |
|---|--|----------------|--------------------|--|----------------|--------------------|--|----------------|--------------------|
| | West North Central | South Atlantic | East South Central | West North Central | South Atlantic | East South Central | West North Central | South Atlantic | East South Central |
| All Buildings* | 10.5 | 8.9 | 19.2 | 10.2 | 5.0 | 11.1 | 9.4 | 10.2 | 25.0 |
| Elevators and Escalators (more than one may apply) | | | | | | | | | |
| Any Elevators | 13.8 | 20.1 | 29.2 | 19.4 | 13.4 | 17.1 | 11.7 | 14.3 | 20.8 |
| Number of Elevators | | | | | | | | | |
| One | 15.3 | 15.4 | 55.7 | 16.5 | 13.1 | 11.8 | 14.3 | 9.8 | 54.1 |
| Two to Five | 29.5 | 23.7 | 21.5 | 29.7 | 20.5 | 25.5 | 14.9 | 24.4 | 30.7 |
| Six or More | 28.9 | 40.1 | 30.6 | 30.9 | 36.9 | 45.3 | 16.4 | 19.2 | 15.4 |
| Any Escalators | 66.7 | 60.5 | 100.0 | 66.1 | 41.0 | 100.0 | 37.9 | 35.5 | 0.0 |
| Number of Workers (main shift) | | | | | | | | | |
| Fewer than 5 | 9.3 | 22.7 | 27.9 | 12.3 | 20.0 | 34.7 | 4.5 | 11.7 | 15.5 |
| 5 to 9 | 14.1 | 17.4 | 31.4 | 6.4 | 14.0 | 18.9 | 16.2 | 13.3 | 32.3 |
| 10 to 19 | 16.6 | 23.6 | 37.3 | 15.2 | 12.7 | 37.6 | 10.5 | 17.0 | 25.8 |
| 20 to 49 | 25.9 | 32.2 | 43.4 | 23.0 | 19.2 | 17.8 | 21.6 | 18.8 | 39.2 |
| 50 to 99 | 26.0 | 21.9 | 44.4 | 30.9 | 18.4 | 24.3 | 16.6 | 10.9 | 32.8 |
| 100 to 249 | 30.1 | 22.2 | 18.8 | 20.3 | 21.0 | 35.5 | 43.0 | 24.5 | 18.4 |
| 250 or More | 21.1 | 35.6 | 36.7 | 26.4 | 23.8 | 51.2 | 20.7 | 23.6 | 24.0 |
| Weekly Operating Hours | | | | | | | | | |
| Fewer than 40 | 9.0 | 21.8 | 34.0 | 9.9 | 20.7 | 39.9 | 8.1 | 20.7 | 7.4 |
| 40 to 48 | 16.9 | 10.2 | 33.9 | 13.9 | 16.2 | 16.2 | 17.6 | 19.4 | 35.6 |
| 49 to 60 | 26.2 | 9.2 | 76.3 | 14.0 | 7.4 | 23.4 | 23.3 | 4.8 | 46.7 |
| 61 to 84 | 32.4 | 14.0 | 40.8 | 23.1 | 14.7 | 21.6 | 24.1 | 13.0 | 40.8 |
| 85 to 167 | 20.2 | 17.0 | 24.9 | 38.3 | 18.9 | 46.5 | 28.4 | 20.2 | 18.5 |
| Open Continuously | 15.1 | 28.1 | 16.9 | 11.0 | 14.6 | 15.6 | 18.9 | 26.9 | 19.6 |
| Ownership and Occupancy | | | | | | | | | |
| Nongovernment Owned | 12.8 | 6.2 | 16.6 | 9.2 | 7.7 | 15.0 | 12.6 | 9.9 | 23.4 |
| Owner Occupied | 14.9 | 14.6 | 15.3 | 8.8 | 12.9 | 12.2 | 12.2 | 7.8 | 10.0 |
| Nonowner Occupied | 17.5 | 15.5 | 18.6 | 14.9 | 10.5 | 20.6 | 15.2 | 17.4 | 33.4 |
| Unoccupied | 106.4 | 65.5 | X | 26.7 | 40.9 | 43.1 | 166.5 | 82.3 | X |
| Government Owned | 21.0 | 18.4 | 28.0 | 17.5 | 7.3 | 21.4 | 11.8 | 20.7 | 34.7 |
| Federal | 68.2 | 62.2 | 48.0 | 63.6 | 52.9 | 24.4 | 42.7 | 32.0 | 37.3 |
| State | 52.8 | 41.3 | 35.7 | 50.6 | 33.8 | 23.4 | 60.2 | 31.0 | 37.8 |
| Local | 31.6 | 23.3 | 24.5 | 24.2 | 18.8 | 23.1 | 15.3 | 18.5 | 37.6 |
| Vacancy Status | | | | | | | | | |
| Completely Vacant | 99.3 | 65.5 | X | 32.1 | 39.5 | 21.8 | 101.4 | 80.3 | X |
| Mostly Vacant | 97.8 | X | 0.0 | 60.3 | 101.3 | 100.5 | 384.3 | X | 0.0 |
| Partially Vacant | 26.8 | 24.5 | 23.0 | 15.0 | 14.8 | 21.3 | 21.8 | 16.1 | 12.7 |
| Not At All Vacant | 8.8 | 9.3 | 19.4 | 10.5 | 5.0 | 14.9 | 10.7 | 11.1 | 28.7 |
| Number of Establishments | | | | | | | | | |
| One | 12.5 | 8.7 | 14.7 | 10.0 | 5.4 | 15.4 | 12.4 | 10.6 | 23.1 |
| 2 to 5 | 33.9 | 18.4 | 44.1 | 25.1 | 12.1 | 15.0 | 15.7 | 18.4 | 36.5 |
| 6 to 10 | 29.0 | 37.0 | 82.0 | 23.0 | 52.1 | 67.5 | 30.2 | 42.6 | 78.5 |
| 11 to 20 | 77.1 | 60.6 | 54.5 | 7.7 | 39.1 | 42.2 | 66.7 | 35.8 | 38.4 |
| More than 20 | 97.3 | 50.8 | 69.5 | 71.2 | 35.3 | 89.3 | 93.9 | 44.5 | 41.3 |
| Currently Unoccupied | 99.3 | 65.5 | X | 32.1 | 39.5 | 21.8 | 101.4 | 80.3 | X |

RSEs for Table C8. Consumption and Gross Energy Intensity by Census Division for Sum of Major Fuels for Non-Mall Buildings, 2003: Part 2

| | RSEs for Sum of Major Fuel Consumption | | | RSEs for Total Floorspace of Buildings | | | RSEs for Energy Intensity for Sum of Major Fuels | | |
|---|--|----------------|--------------------|--|----------------|--------------------|--|----------------|--------------------|
| | West North Central | South Atlantic | East South Central | West North Central | South Atlantic | East South Central | West North Central | South Atlantic | East South Central |
| All Buildings* | 10.5 | 8.9 | 19.2 | 10.2 | 5.0 | 11.1 | 9.4 | 10.2 | 25.0 |
| Predominant Exterior Wall Material | | | | | | | | | |
| Brick, Stone or Stucco | 18.2 | 4.1 | 12.7 | 17.3 | 8.4 | 9.9 | 8.6 | 6.5 | 19.6 |
| Concrete (Block or Poured) | 25.8 | 14.6 | 47.9 | 23.5 | 12.2 | 20.3 | 20.0 | 8.1 | 49.8 |
| Concrete Panels | 21.1 | 48.5 | 52.3 | 27.1 | 32.2 | 48.3 | 11.3 | 42.0 | 11.3 |
| Siding or Shingles | 15.8 | 31.9 | 13.6 | 13.2 | 25.5 | 17.7 | 22.9 | 40.8 | 10.3 |
| Metal Panels | 19.4 | 39.3 | 59.0 | 20.8 | 17.0 | 38.3 | 15.5 | 47.4 | 62.2 |
| Window Glass | 100.7 | 39.1 | 100.1 | 100.7 | 27.4 | 100.1 | 0.0 | 39.2 | 0.0 |
| Other | 100.2 | 80.1 | 72.5 | 61.2 | 52.0 | 60.9 | 117.1 | 25.1 | 29.4 |
| No One Major Type | 100.2 | 63.0 | 0.0 | 73.0 | 56.5 | 0.0 | 117.1 | 22.0 | 0.0 |
| Predominant Roof Material | | | | | | | | | |
| Built-Up | 18.7 | 17.5 | 45.4 | 15.3 | 12.2 | 9.4 | 18.5 | 11.9 | 37.8 |
| Shingles (Not Wood) | 25.2 | 24.3 | 8.7 | 13.8 | 16.0 | 24.4 | 27.8 | 20.2 | 22.5 |
| Metal Surfacing | 18.7 | 15.7 | 33.8 | 17.2 | 14.5 | 30.6 | 9.6 | 18.5 | 23.9 |
| Synthetic or Rubber | 29.2 | 21.0 | 28.9 | 24.6 | 12.3 | 16.1 | 13.6 | 18.8 | 27.8 |
| Slate or Tile | 70.2 | 24.4 | 73.1 | 50.0 | 18.5 | 12.1 | 44.5 | 11.5 | 72.2 |
| Wooden Materials | 72.4 | 30.0 | 73.8 | 57.0 | 36.8 | 77.5 | 48.4 | 49.3 | 25.1 |
| Concrete | 73.6 | 53.4 | 0.0 | 73.2 | 56.7 | 0.0 | 16.6 | 17.1 | 0.0 |
| Other | 98.6 | 75.4 | 0.0 | 98.6 | 68.8 | 0.0 | 0.8 | 209.3 | 0.0 |
| No One Major Type | 88.9 | 73.1 | 0.0 | 88.9 | 58.5 | 0.0 | 0.0 | 46.5 | 0.0 |
| Renovations in Buildings Constructed Before 1980 (more than one may apply) | | | | | | | | | |
| Any Type of Renovation | 26.3 | 18.9 | 17.7 | 17.6 | 13.3 | 8.3 | 18.6 | 14.5 | 16.6 |
| Addition or Annex | 40.1 | 27.2 | 31.6 | 23.6 | 14.8 | 23.7 | 22.5 | 16.9 | 11.7 |
| Reduction In Floorspace | 87.3 | 87.1 | 100.3 | 84.6 | 47.3 | 35.2 | 20.9 | 86.8 | 100.5 |
| Cosmetic Improvements | 20.3 | 22.1 | 21.3 | 15.4 | 20.1 | 11.6 | 15.5 | 18.0 | 28.2 |
| Wall or Roof Replacement | 25.3 | 30.4 | 28.6 | 24.5 | 24.6 | 31.3 | 16.5 | 16.8 | 15.6 |
| Interior Wall | | | | | | | | | |
| Re-Configuration | 23.6 | 29.3 | 34.3 | 15.9 | 23.2 | 20.4 | 13.8 | 17.1 | 17.7 |
| HVAC Equipment Upgrade | 28.9 | 22.3 | 30.4 | 18.6 | 14.7 | 25.1 | 16.7 | 16.4 | 10.2 |
| Lighting Upgrade | 20.3 | 28.2 | 26.5 | 18.8 | 25.9 | 15.7 | 11.0 | 19.9 | 13.7 |
| Window Replacement | 25.8 | 33.9 | 45.5 | 11.0 | 27.7 | 48.5 | 17.2 | 29.6 | 42.9 |
| Plumbing System Upgrade | 26.7 | 30.0 | 40.5 | 24.9 | 28.6 | 17.2 | 14.4 | 19.9 | 25.5 |
| Insulation Upgrade | 25.5 | 58.0 | 58.1 | 18.4 | 31.4 | 17.1 | 22.1 | 30.9 | 46.5 |
| Other Renovation | 0.0 | 102.1 | 100.3 | 0.0 | 81.6 | 70.7 | 0.0 | 437.4 | 155.5 |
| No Renovations Since 1980 | 20.9 | 37.0 | 31.7 | 17.6 | 20.3 | 9.0 | 13.7 | 28.6 | 36.7 |
| Building Newer than 1980 | 16.7 | 11.5 | 20.8 | 16.4 | 8.2 | 22.4 | 16.1 | 12.0 | 30.0 |
| Energy Sources (more than one may apply) | | | | | | | | | |
| Electricity | 10.5 | 8.9 | 19.2 | 13.3 | 5.2 | 7.3 | 9.8 | 7.6 | 15.7 |
| Natural Gas | 16.3 | 16.7 | 12.5 | 16.8 | 16.3 | 9.4 | 9.5 | 15.1 | 16.1 |
| Fuel Oil | 13.7 | 22.1 | 5.4 | 28.1 | 21.3 | 12.5 | 21.0 | 10.5 | 15.1 |
| District Heat | 97.2 | 39.4 | 66.8 | 63.8 | 26.7 | 38.1 | 165.0 | 32.0 | 50.0 |
| District Chilled Water | X | 38.8 | 54.2 | 57.7 | 27.6 | 35.2 | X | 40.4 | 41.8 |
| Propane | 21.8 | 21.6 | 57.2 | 29.6 | 17.3 | 49.9 | 16.8 | 16.7 | 11.5 |
| Other | 64.3 | 63.8 | 50.2 | 42.8 | 28.9 | 31.4 | 42.1 | 44.2 | 24.5 |

RSEs for Table C8. Consumption and Gross Energy Intensity by Census Division for Sum of Major Fuels for Non-Mall Buildings, 2003: Part 2

| | RSEs for Sum of Major Fuel Consumption | | | RSEs for Total Floorspace of Buildings | | | RSEs for Energy Intensity for Sum of Major Fuels | | |
|---|--|----------------|--------------------|--|----------------|--------------------|--|----------------|--------------------|
| | West North Central | South Atlantic | East South Central | West North Central | South Atlantic | East South Central | West North Central | South Atlantic | East South Central |
| All Buildings* | 10.5 | 8.9 | 19.2 | 10.2 | 5.0 | 11.1 | 9.4 | 10.2 | 25.0 |
| Space-Heating Energy Sources (more than one may apply) | | | | | | | | | |
| Electricity | 10.2 | 11.3 | 20.2 | 7.9 | 10.3 | 15.2 | 12.9 | 14.1 | 26.5 |
| Natural Gas | 15.3 | 19.2 | 12.3 | 17.1 | 17.7 | 12.8 | 11.0 | 14.2 | 21.7 |
| Fuel Oil | 27.0 | 23.5 | 14.3 | 14.5 | 27.1 | 23.7 | 23.6 | 23.8 | 43.7 |
| District Heat | 97.2 | 39.4 | 66.8 | 63.0 | 27.8 | 38.1 | 158.9 | 33.6 | 50.0 |
| Propane | 48.7 | 37.6 | 68.6 | 39.0 | 23.4 | 60.7 | 19.7 | 18.0 | 15.0 |
| Other | 87.3 | 107.3 | 50.2 | 58.9 | 63.2 | 34.3 | 73.9 | 64.6 | 21.1 |
| Primary Space-Heating Energy Source | | | | | | | | | |
| Electricity | 15.9 | 12.6 | 29.3 | 24.0 | 16.6 | 10.2 | 8.4 | 10.7 | 32.1 |
| Natural Gas | 16.4 | 21.3 | 12.6 | 18.1 | 19.2 | 9.4 | 13.1 | 16.3 | 18.3 |
| Fuel Oil | 73.9 | 23.0 | X | 35.6 | 39.6 | 100.4 | 81.1 | 26.4 | X |
| District Heat | 97.2 | 39.2 | 82.6 | 65.4 | 28.6 | 41.7 | 168.5 | 34.2 | 60.6 |
| Propane | 66.3 | 50.4 | 64.1 | 42.9 | 37.6 | 59.9 | 21.4 | 14.1 | 13.9 |
| Other | 80.2 | 79.2 | 86.1 | 50.8 | 80.6 | 40.0 | 62.8 | 69.2 | 94.7 |
| Cooling Energy Sources (more than one may apply) | | | | | | | | | |
| Electricity | 11.0 | 9.4 | 20.7 | 11.0 | 5.0 | 5.5 | 7.3 | 10.2 | 21.7 |
| Natural Gas | 56.9 | 77.1 | X | 54.6 | 32.7 | 100.0 | 92.9 | 41.9 | X |
| District Chilled Water | X | 38.8 | 54.2 | 57.7 | 27.6 | 35.2 | X | 40.4 | 41.8 |
| Water-Heating Energy Sources (more than one may apply) | | | | | | | | | |
| Electricity | 7.1 | 10.6 | 30.1 | 16.3 | 11.0 | 11.0 | 18.6 | 15.0 | 23.1 |
| Natural Gas | 19.1 | 24.2 | 18.0 | 20.2 | 17.3 | 7.8 | 11.9 | 15.9 | 23.2 |
| Fuel Oil | 59.7 | 52.6 | 0.0 | 28.8 | 50.9 | 0.0 | 54.3 | 21.6 | 0.0 |
| District Heat | 100.1 | 40.0 | 75.4 | 67.8 | 41.9 | 39.9 | 161.7 | 34.3 | 81.2 |
| Propane | 68.1 | 46.0 | 76.8 | 34.5 | 43.8 | 71.1 | 39.5 | 13.9 | 39.9 |
| Cooking Energy Sources (more than one may apply) | | | | | | | | | |
| Electricity | 14.0 | 24.4 | 17.8 | 24.1 | 15.7 | 10.7 | 18.6 | 16.6 | 24.6 |
| Natural Gas | 26.3 | 27.9 | 13.2 | 24.9 | 14.4 | 22.0 | 26.2 | 18.0 | 16.7 |
| Propane | 72.8 | 28.2 | 100.1 | 43.1 | 33.7 | 42.1 | 52.3 | 26.1 | 109.4 |
| Energy End Uses (more than one may apply) | | | | | | | | | |
| Buildings with Space Heating | 10.6 | 9.1 | 19.4 | 11.0 | 4.8 | 9.2 | 8.6 | 10.2 | 22.3 |
| Buildings with Cooling | 11.3 | 8.9 | 19.8 | 11.2 | 4.7 | 7.2 | 7.9 | 9.9 | 21.5 |
| Buildings with Water Heating | 10.0 | 8.8 | 20.1 | 10.6 | 4.6 | 7.1 | 8.8 | 10.3 | 21.4 |
| Buildings with Cooking | 16.6 | 21.8 | 13.9 | 16.4 | 10.5 | 19.0 | 12.2 | 14.4 | 21.5 |
| Buildings with Manufacturing | 57.1 | 50.1 | 47.5 | 23.9 | 22.5 | 42.4 | 58.5 | 51.7 | 9.7 |
| Buildings with Electricity Generation | 16.8 | 16.3 | 8.2 | 21.8 | 17.1 | 15.0 | 12.7 | 12.1 | 16.3 |
| Percent of Floorspace Heated | | | | | | | | | |
| Not Heated | 50.5 | 45.4 | 80.0 | 26.5 | 14.2 | 36.6 | 51.5 | 35.7 | 94.7 |
| 1 to 50 | 31.6 | 33.8 | 77.4 | 10.0 | 21.8 | 38.2 | 26.7 | 41.4 | 65.1 |
| 51 to 99 | 27.2 | 19.0 | 17.5 | 20.2 | 21.2 | 11.4 | 11.6 | 12.2 | 23.0 |
| 100 | 10.5 | 10.4 | 21.3 | 12.0 | 6.6 | 14.5 | 9.3 | 11.0 | 22.8 |

RSEs for Table C8. Consumption and Gross Energy Intensity by Census Division for Sum of Major Fuels for Non-Mall Buildings, 2003: Part 2

| | RSEs for Sum of Major Fuel Consumption | | | RSEs for Total Floorspace of Buildings | | | RSEs for Energy Intensity for Sum of Major Fuels | | |
|---|--|----------------|--------------------|--|----------------|--------------------|--|----------------|--------------------|
| | West North Central | South Atlantic | East South Central | West North Central | South Atlantic | East South Central | West North Central | South Atlantic | East South Central |
| All Buildings* | 10.5 | 8.9 | 19.2 | 10.2 | 5.0 | 11.1 | 9.4 | 10.2 | 25.0 |
| Percent of Floorspace Cooled | | | | | | | | | |
| Not Cooled | 21.9 | 31.5 | 65.6 | 22.2 | 20.2 | 46.9 | 18.6 | 23.0 | 16.1 |
| 1 to 50 | 31.9 | 30.4 | 72.1 | 16.3 | 15.6 | 30.7 | 23.2 | 29.2 | 61.0 |
| 51 to 99 | 11.6 | 13.8 | 25.3 | 21.3 | 12.3 | 13.3 | 12.1 | 7.7 | 20.6 |
| 100 | 5.5 | 10.0 | 16.8 | 4.8 | 6.9 | 11.6 | 5.8 | 10.3 | 21.7 |
| Percent Lit When Open | | | | | | | | | |
| Zero | 96.0 | 63.5 | 92.0 | 96.0 | 60.3 | 86.5 | 0.0 | 72.4 | 43.4 |
| 1 to 50 | 26.0 | 13.6 | 13.1 | 9.9 | 12.3 | 19.5 | 30.5 | 11.7 | 13.4 |
| 51 to 99 | 23.7 | 9.2 | 28.2 | 17.1 | 9.1 | 7.0 | 17.1 | 8.3 | 29.0 |
| 100 | 11.0 | 12.7 | 25.3 | 10.4 | 7.7 | 11.8 | 14.3 | 15.0 | 25.9 |
| Building Never Open/ Electricity Not Used | 80.8 | 65.5 | 92.8 | 22.1 | 26.2 | 30.1 | 77.3 | 68.1 | 91.4 |
| Percent Lit When Closed | | | | | | | | | |
| Zero | 14.2 | 15.7 | 31.4 | 5.6 | 12.5 | 41.5 | 13.2 | 15.2 | 23.4 |
| 1 to 50 | 16.6 | 8.5 | 38.9 | 20.1 | 6.6 | 8.3 | 21.6 | 8.0 | 31.5 |
| 51 to 100 | 59.2 | 52.2 | 64.2 | 46.6 | 26.3 | 15.0 | 50.2 | 43.2 | 57.4 |
| Building Never Closed/ Electricity Not Used | 15.1 | 28.1 | 16.9 | 9.9 | 14.0 | 15.0 | 17.9 | 26.7 | 20.5 |
| Heating Equipment (more than one may apply) | | | | | | | | | |
| Heat Pumps | 30.6 | 20.0 | 34.4 | 32.1 | 13.1 | 29.7 | 20.8 | 20.6 | 12.3 |
| Packaged Heat Pumps | 34.9 | 29.0 | 48.4 | 19.3 | 9.3 | 48.6 | 37.5 | 25.4 | 13.9 |
| Split-System Heat Pumps | 39.4 | 40.3 | 21.5 | 58.2 | 26.1 | 26.7 | 20.9 | 39.9 | 8.2 |
| Individual Room Heat Pumps | 102.6 | 26.9 | 54.9 | 74.1 | 21.0 | 32.1 | 27.2 | 14.3 | 63.0 |
| Furnaces | 13.2 | 17.8 | 20.7 | 12.0 | 14.8 | 20.8 | 11.3 | 17.8 | 35.3 |
| Individual Space Heaters | 18.0 | 27.3 | 17.7 | 13.6 | 12.9 | 35.6 | 18.5 | 26.0 | 31.7 |
| District Heat | 97.2 | 39.4 | 66.8 | 61.0 | 27.8 | 38.1 | 145.4 | 33.6 | 50.0 |
| Boilers | 20.9 | 31.7 | 29.4 | 19.2 | 24.0 | 17.8 | 17.0 | 17.2 | 15.3 |
| Packaged Heating Units | 8.9 | 14.0 | 10.5 | 12.8 | 9.5 | 14.9 | 14.7 | 7.0 | 17.0 |
| Other | 35.8 | 27.5 | 69.9 | 36.0 | 26.7 | 28.7 | 7.2 | 16.7 | 48.4 |
| Cooling Equipment (more than one may apply) | | | | | | | | | |
| Residential-Type Central | | | | | | | | | |
| Air Conditioners | 15.7 | 40.4 | 20.6 | 6.4 | 17.3 | 24.2 | 17.3 | 29.2 | 19.9 |
| Heat Pumps | 22.2 | 19.6 | 37.8 | 28.6 | 15.1 | 30.2 | 21.6 | 21.9 | 14.1 |
| Packaged Heat Pumps | 35.3 | 30.0 | 53.0 | 21.7 | 10.4 | 49.1 | 34.3 | 26.5 | 17.2 |
| Split-System Heat Pumps | 26.7 | 38.3 | 25.4 | 56.0 | 25.6 | 32.0 | 26.1 | 36.3 | 6.8 |
| Individual Room Heat Pumps | 102.6 | 25.8 | 54.9 | 74.1 | 25.5 | 32.1 | 27.2 | 16.5 | 63.0 |
| Individual Air Conditioners | 19.8 | 24.3 | 22.5 | 10.9 | 17.8 | 15.6 | 17.8 | 24.3 | 19.6 |
| District Chilled Water | X | 38.8 | 54.2 | 57.7 | 27.6 | 35.2 | X | 40.4 | 41.8 |
| Central Chillers | 13.8 | 28.3 | 19.8 | 26.0 | 21.0 | 22.2 | 30.0 | 16.3 | 9.5 |
| Packaged Air Conditioning | | | | | | | | | |
| Units | 14.8 | 8.0 | 22.8 | 14.7 | 10.5 | 10.6 | 7.5 | 9.8 | 33.1 |
| Swamp Coolers | 0.0 | 71.6 | X | 0.0 | 64.7 | 56.4 | 0.0 | 20.4 | X |
| Other | 96.7 | 45.7 | 100.0 | 96.7 | 52.3 | 100.0 | 0.0 | 101.5 | 0.0 |
| Main Equipment Replaced Since 1990 (more than one may apply) | | | | | | | | | |
| Heating | 22.0 | 17.3 | 44.4 | 13.9 | 16.4 | 9.6 | 16.4 | 12.3 | 38.4 |
| Cooling | 25.1 | 22.0 | 38.7 | 20.6 | 13.8 | 6.3 | 12.9 | 20.2 | 32.2 |

RSEs for Table C8. Consumption and Gross Energy Intensity by Census Division for Sum of Major Fuels for Non-Mall Buildings, 2003: Part 2

| | RSEs for Sum of Major Fuel Consumption | | | RSEs for Total Floorspace of Buildings | | | RSEs for Energy Intensity for Sum of Major Fuels | | |
|--|--|----------------|--------------------|--|----------------|--------------------|--|----------------|--------------------|
| | West North Central | South Atlantic | East South Central | West North Central | South Atlantic | East South Central | West North Central | South Atlantic | East South Central |
| All Buildings* | 10.5 | 8.9 | 19.2 | 10.2 | 5.0 | 11.1 | 9.4 | 10.2 | 25.0 |
| Water Heating Equipment | | | | | | | | | |
| Centralized System | 5.9 | 7.3 | 17.6 | 8.7 | 7.8 | 11.5 | 8.5 | 11.1 | 19.5 |
| Distributed System | 13.8 | 15.2 | 27.4 | 13.3 | 10.8 | 31.2 | 9.0 | 16.7 | 23.0 |
| Combination of Centralized and Distributed System | 21.5 | 20.2 | 44.9 | 16.9 | 11.1 | 23.9 | 14.3 | 23.9 | 18.8 |
| Lighting Equipment Types (more than one may apply) | | | | | | | | | |
| Incandescent | 14.7 | 11.5 | 24.9 | 8.9 | 8.1 | 4.1 | 12.7 | 12.3 | 24.4 |
| Standard Fluorescent | 11.0 | 8.9 | 21.5 | 11.3 | 4.6 | 8.2 | 8.2 | 10.1 | 24.3 |
| Compact Fluorescent | 7.4 | 14.1 | 23.5 | 15.3 | 10.4 | 17.4 | 13.6 | 11.6 | 12.0 |
| High Intensity Discharge | 20.8 | 13.2 | 25.0 | 23.4 | 9.5 | 25.5 | 6.9 | 11.8 | 25.1 |
| Halogen | 29.1 | 18.0 | 38.6 | 16.4 | 12.0 | 13.7 | 18.6 | 15.5 | 35.3 |
| Other | 0.0 | 100.3 | 65.3 | 0.0 | 100.3 | 65.3 | 0.0 | 0.0 | 9.5 |
| Refrigeration Equipment (more than one may apply)^a | | | | | | | | | |
| Any Refrigeration..... | 9.7 | 9.0 | 20.0 | 11.8 | 4.6 | 8.2 | 9.3 | 9.2 | 21.8 |
| Commercial Refrigeration | 15.1 | 17.2 | 18.5 | 17.7 | 7.9 | 7.0 | 13.1 | 13.6 | 21.9 |
| Walk-In Units | 13.6 | 19.1 | 18.5 | 21.8 | 10.4 | 8.6 | 19.8 | 15.0 | 21.0 |
| Cases or Cabinets | 23.3 | 15.1 | 16.9 | 21.3 | 7.0 | 10.5 | 11.9 | 13.1 | 23.0 |
| Residential-Type Units | 7.1 | 14.6 | 17.5 | 8.7 | 7.9 | 14.4 | 4.0 | 13.4 | 17.3 |
| Vending Machines | 14.5 | 9.6 | 25.0 | 14.0 | 5.3 | 8.3 | 16.5 | 10.1 | 23.3 |
| No Refrigeration | 32.8 | 24.1 | 56.4 | 12.3 | 15.3 | 36.3 | 35.2 | 19.2 | 54.6 |
| Office Equipment (more than one may apply) | | | | | | | | | |
| Computers | 10.5 | 10.2 | 20.8 | 12.8 | 4.6 | 5.0 | 10.3 | 11.1 | 19.5 |
| With Flat Screen Monitors | 15.2 | 17.0 | 31.1 | 21.1 | 10.7 | 17.6 | 11.2 | 12.7 | 23.4 |
| Dedicated Servers | 15.5 | 13.8 | 34.0 | 14.0 | 7.7 | 11.3 | 11.5 | 13.7 | 24.1 |
| Laser Printers | 12.7 | 13.5 | 20.1 | 12.7 | 10.0 | 12.9 | 15.7 | 13.1 | 23.6 |
| Inkjet Printers | 20.3 | 16.1 | 27.8 | 19.8 | 6.9 | 8.5 | 5.0 | 13.7 | 23.7 |
| FAX Machines | 12.0 | 10.1 | 23.1 | 13.4 | 5.0 | 5.5 | 10.3 | 10.5 | 21.5 |
| Photocopiers | 11.2 | 10.6 | 23.9 | 11.5 | 5.6 | 6.7 | 10.4 | 10.2 | 19.7 |
| Number of Computers | | | | | | | | | |
| None | 14.1 | 33.0 | 38.7 | 9.6 | 13.8 | 46.6 | 19.4 | 25.7 | 24.4 |
| 1 to 4 | 16.8 | 17.8 | 13.1 | 12.6 | 12.9 | 9.5 | 13.8 | 18.9 | 17.5 |
| 5 to 9 | 36.0 | 16.5 | 10.3 | 20.2 | 15.6 | 24.1 | 23.2 | 12.8 | 32.6 |
| 10 to 19 | 33.0 | 23.6 | 38.5 | 30.9 | 18.7 | 22.5 | 8.3 | 9.0 | 23.2 |
| 20 to 49 | 29.5 | 26.4 | 38.5 | 31.2 | 16.6 | 22.2 | 19.9 | 23.6 | 29.0 |
| 50 to 99 | 44.0 | 25.7 | 50.0 | 37.1 | 24.5 | 30.2 | 17.9 | 17.3 | 49.1 |
| 100 to 249 | 25.1 | 12.2 | 28.7 | 15.8 | 11.1 | 35.2 | 32.2 | 10.0 | 31.5 |
| 250 or More | 11.1 | 31.6 | 39.8 | 16.1 | 23.0 | 52.4 | 14.4 | 21.0 | 24.5 |
| Number of Dedicated Servers | | | | | | | | | |
| None | 9.5 | 10.0 | 13.7 | 12.5 | 9.9 | 26.6 | 6.9 | 11.4 | 20.9 |
| 1 to 4 | 19.6 | 13.8 | 34.2 | 14.2 | 11.2 | 9.0 | 14.9 | 13.9 | 29.1 |
| 5 to 9 | 52.6 | 47.6 | 47.2 | 32.7 | 30.4 | 48.3 | 31.6 | 28.9 | 18.4 |
| 10 to 19 | 43.6 | 29.8 | 57.4 | 44.4 | 27.7 | 59.6 | 14.0 | 39.5 | 13.2 |
| 20 to 49 | 65.6 | 29.7 | 36.5 | 43.1 | 36.0 | 48.8 | 82.9 | 25.5 | 34.6 |
| 50 or More | 73.0 | 54.9 | 46.9 | 73.4 | 63.0 | 36.8 | 3.9 | 9.0 | 66.7 |

RSEs for Table C8. Consumption and Gross Energy Intensity by Census Division for Sum of Major Fuels for Non-Mall Buildings, 2003: Part 2

| | RSEs for Sum of Major Fuel Consumption | | | RSEs for Total Floorspace of Buildings | | | RSEs for Energy Intensity for Sum of Major Fuels | | |
|--|--|----------------|--------------------|--|----------------|--------------------|--|----------------|--------------------|
| | West North Central | South Atlantic | East South Central | West North Central | South Atlantic | East South Central | West North Central | South Atlantic | East South Central |
| All Buildings* | 10.5 | 8.9 | 19.2 | 10.2 | 5.0 | 11.1 | 9.4 | 10.2 | 25.0 |
| Number of Photocopiers | | | | | | | | | |
| None | 14.6 | 21.7 | 15.8 | 11.1 | 15.6 | 28.0 | 14.0 | 13.6 | 33.3 |
| One | 14.5 | 19.5 | 10.8 | 9.7 | 14.3 | 14.5 | 12.4 | 15.9 | 20.4 |
| 2 to 4 | 14.9 | 18.3 | 37.4 | 21.5 | 15.4 | 16.0 | 13.0 | 14.2 | 22.5 |
| 5 to 9 | 35.0 | 19.9 | 60.2 | 15.7 | 19.9 | 35.5 | 34.9 | 21.4 | 29.9 |
| 10 or More | 23.2 | 32.5 | 37.5 | 26.1 | 23.8 | 44.7 | 7.3 | 20.9 | 10.9 |
| Energy-Related Space Functions (more than one may apply) | | | | | | | | | |
| Commercial Food Preparation | 16.6 | 21.8 | 13.9 | 16.4 | 10.5 | 19.0 | 12.2 | 14.4 | 21.5 |
| Activities with Large Amounts of Hot Water | 19.4 | 22.3 | 8.5 | 15.1 | 9.4 | 9.8 | 20.9 | 19.1 | 14.8 |
| Separate Computer Area | 10.2 | 19.4 | 11.1 | 13.6 | 10.5 | 8.7 | 10.0 | 15.2 | 9.3 |
| HVAC Conservation Features (more than one may apply) | | | | | | | | | |
| Variable Air-Volume System | 29.3 | 19.0 | 34.5 | 27.5 | 11.3 | 22.8 | 10.6 | 17.9 | 11.4 |
| Economizer Cycle | 13.0 | 18.4 | 15.2 | 18.7 | 12.7 | 23.5 | 11.6 | 15.8 | 10.7 |
| HVAC Maintenance | 10.5 | 10.7 | 23.5 | 11.3 | 5.7 | 6.8 | 6.0 | 9.5 | 22.3 |
| Energy Management and Control System (EMCS) | 18.5 | 20.8 | 23.9 | 25.3 | 12.1 | 23.2 | 14.9 | 15.1 | 10.8 |
| Window and Interior Lighting Features (more than one may apply) | | | | | | | | | |
| Multipaned Windows | 15.0 | 9.0 | 23.2 | 13.4 | 5.9 | 9.2 | 8.1 | 10.7 | 17.5 |
| Tinted Window Glass | 11.9 | 12.5 | 36.5 | 15.8 | 6.7 | 9.6 | 7.7 | 11.6 | 29.4 |
| Reflective Window Glass | 19.3 | 29.9 | 25.6 | 20.8 | 13.3 | 26.3 | 19.6 | 28.3 | 48.1 |
| External Overhangs or Awnings | 8.7 | 24.9 | 36.5 | 11.9 | 12.6 | 18.3 | 8.5 | 20.0 | 39.0 |
| Skylights or Atriums | 16.3 | 23.2 | 27.4 | 22.9 | 15.2 | 29.8 | 16.7 | 16.7 | 16.7 |
| Daylighting Sensors | 15.3 | 36.5 | 34.1 | 20.7 | 28.6 | 44.4 | 21.3 | 28.7 | 26.8 |
| Specular Reflectors | 12.6 | 20.0 | 27.6 | 18.5 | 7.8 | 19.5 | 7.9 | 17.0 | 14.4 |
| Electronic Ballasts | 8.1 | 10.5 | 20.9 | 11.7 | 4.6 | 8.0 | 12.5 | 10.5 | 26.9 |
| Energy Management and Control System (EMCS) For Lighting | 27.4 | 37.0 | 93.1 | 28.0 | 25.7 | 94.3 | 19.9 | 18.0 | 1.6 |
| Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^a | | | | | | | | | |
| Heating | 17.1 | 9.8 | 19.5 | 12.6 | 5.6 | 17.2 | 9.5 | 8.0 | 25.8 |
| Cooling | 15.3 | 9.9 | 20.1 | 11.5 | 6.5 | 14.9 | 10.2 | 7.8 | 23.4 |
| Lighting | 12.9 | 7.4 | 32.8 | 11.3 | 5.9 | 11.4 | 11.1 | 8.3 | 32.1 |
| Office Equipment | 19.4 | 17.7 | 34.1 | 9.5 | 11.1 | 14.9 | 19.2 | 11.7 | 25.2 |

X=No cases in the responding sample reported their consumption for the particular fuel, so relative standard error could not be calculated.

RSEs for Table C9. Consumption and Gross Energy Intensity by Census Division for Sum of Major Fuels for Non-Mall Buildings, 2003: Part 3

| | RSEs for Sum of Major Fuel Consumption | | | RSEs for Total Floorspace of Buildings | | | RSEs for Energy Intensity for Sum of Major Fuels | | |
|--|--|----------|---------|--|----------|---------|--|----------|---------|
| | West South Central | Mountain | Pacific | West South Central | Mountain | Pacific | West South Central | Mountain | Pacific |
| All Buildings* | 13.6 | 17.0 | 12.0 | 11.2 | 8.5 | 5.3 | 12.7 | 14.1 | 12.0 |
| Building Floorspace (Square Feet) | | | | | | | | | |
| 1,001 to 5,000 | 21.8 | 19.3 | 17.9 | 16.5 | 27.2 | 13.8 | 17.6 | 15.2 | 24.0 |
| 5,001 to 10,000 | 27.6 | 35.7 | 43.4 | 12.5 | 36.8 | 17.5 | 29.4 | 13.6 | 46.9 |
| 10,001 to 25,000 | 18.0 | 15.4 | 17.9 | 19.4 | 14.8 | 11.5 | 23.5 | 5.4 | 18.0 |
| 25,001 to 50,000 | 26.5 | 27.5 | 22.4 | 26.6 | 23.5 | 11.6 | 26.7 | 10.7 | 17.6 |
| 50,001 to 100,000 | 17.1 | 16.8 | 33.2 | 14.0 | 11.7 | 17.8 | 15.7 | 7.4 | 21.1 |
| 100,001 to 200,000 | 26.2 | 21.0 | 14.5 | 26.5 | 21.1 | 15.8 | 44.1 | 18.3 | 16.5 |
| 200,001 to 500,000 | 33.6 | 48.2 | 17.7 | 22.3 | 47.4 | 25.1 | 31.3 | 30.4 | 32.3 |
| Over 500,000 | 47.5 | 68.1 | 44.9 | 56.0 | 62.7 | 35.2 | 20.3 | 54.8 | 31.1 |
| Principal Building Activity | | | | | | | | | |
| Education | 18.7 | 22.3 | 11.3 | 23.1 | 19.8 | 8.7 | 21.1 | 12.2 | 17.9 |
| Food Sales | 79.0 | 50.8 | 69.9 | 24.4 | 50.4 | 18.8 | 79.6 | 62.2 | 75.2 |
| Food Service | 26.7 | 59.8 | 43.1 | 24.4 | 57.4 | 21.9 | 31.0 | 60.8 | 42.0 |
| Health Care | 35.1 | 19.6 | 47.5 | 24.1 | 11.1 | 22.7 | 15.1 | 20.9 | 24.3 |
| Inpatient | 41.7 | 21.3 | 54.2 | 30.0 | 15.1 | 33.6 | 19.5 | 25.1 | 25.2 |
| Outpatient | 89.9 | 44.3 | 33.1 | 50.7 | 17.2 | 23.3 | 41.2 | 47.3 | 18.9 |
| Lodging | 48.6 | 67.4 | 24.4 | 35.8 | 22.2 | 18.9 | 29.2 | 64.1 | 18.4 |
| Retail (Other Than Mall)..... | 14.6 | 44.3 | 23.5 | 19.3 | 28.2 | 20.1 | 22.4 | 15.4 | 8.9 |
| Office | 28.3 | 12.3 | 20.7 | 29.6 | 14.4 | 19.9 | 13.6 | 8.0 | 14.0 |
| Public Assembly | 33.5 | 28.0 | 60.2 | 31.5 | 25.7 | 14.8 | 30.1 | 28.4 | 56.4 |
| Public Order and Safety | X | 42.1 | 69.4 | 25.3 | 39.9 | 48.3 | X | 11.3 | 62.8 |
| Religious Worship | 40.6 | 25.0 | 32.6 | 23.1 | 32.3 | 10.7 | 22.7 | 10.1 | 27.3 |
| Service | 67.6 | 43.4 | 30.2 | 38.9 | 39.0 | 18.1 | 34.6 | 15.5 | 36.5 |
| Warehouse and Storage | 36.1 | 73.1 | 39.7 | 39.6 | 41.8 | 22.9 | 29.8 | 59.5 | 19.3 |
| Other | 83.0 | 54.5 | 62.2 | 33.6 | 45.4 | 49.7 | 66.2 | 24.3 | 22.1 |
| Vacant | 91.3 | 72.8 | 74.4 | 30.2 | 64.4 | 64.3 | 75.9 | 44.7 | 78.8 |
| Year Constructed | | | | | | | | | |
| Before 1920 | 86.0 | 44.8 | 57.3 | 59.9 | 46.0 | 37.3 | 17.0 | 22.0 | 33.1 |
| 1920 to 1945 | 52.5 | 21.5 | 20.5 | 24.0 | 15.1 | 27.3 | 41.3 | 29.7 | 30.9 |
| 1946 to 1959 | 18.9 | 48.7 | 21.7 | 21.2 | 45.7 | 16.1 | 14.4 | 22.7 | 23.4 |
| 1960 to 1969 | 47.8 | 17.9 | 26.0 | 21.8 | 34.7 | 13.9 | 32.6 | 26.4 | 15.3 |
| 1970 to 1979 | 23.5 | 28.6 | 22.3 | 16.4 | 27.8 | 18.6 | 20.2 | 8.8 | 22.6 |
| 1980 to 1989 | 18.1 | 51.5 | 27.1 | 21.4 | 27.4 | 14.5 | 24.5 | 41.6 | 16.0 |
| 1990 to 1999 | 20.7 | 24.3 | 28.0 | 21.8 | 21.8 | 19.2 | 16.9 | 13.1 | 27.4 |
| 2000 to 2003 | 27.5 | 29.0 | 38.8 | 32.7 | 30.1 | 24.5 | 28.7 | 31.4 | 28.5 |
| Climate Zone: 30-Year Average | | | | | | | | | |
| Under 2,000 CDD and -- | | | | | | | | | |
| More than 7,000 HDD | 0.0 | 14.1 | 89.2 | 0.0 | 14.2 | 90.0 | 0.0 | 0.8 | 2.6 |
| 5,500-7,000 HDD | 0.0 | 46.2 | 41.5 | 0.0 | 12.3 | 47.5 | 0.0 | 45.2 | 11.6 |
| 4,000-5,499 HDD | 95.9 | 0.0 | 65.6 | 97.3 | 0.0 | 44.1 | 2.1 | 0.0 | 16.2 |
| Fewer than 4,000 HDD | 11.3 | 0.0 | 18.6 | 19.9 | 0.0 | 9.4 | 27.2 | 0.0 | 16.6 |
| 2,000 CDD or More and -- | | | | | | | | | |
| Fewer than 4,000 HDD | 19.2 | 35.7 | 100.1 | 15.9 | 30.0 | 97.1 | 18.1 | 13.5 | 100.2 |
| Number of Floors | | | | | | | | | |
| One | 13.7 | 22.2 | 7.2 | 15.1 | 17.4 | 9.2 | 17.9 | 9.8 | 6.9 |
| Two | 22.9 | 18.6 | 25.8 | 16.1 | 14.4 | 14.4 | 20.2 | 15.5 | 22.2 |
| Three | 41.8 | 25.6 | 16.5 | 21.5 | 11.5 | 17.9 | 31.0 | 19.6 | 25.0 |
| Four to Nine | 27.9 | 26.1 | 29.2 | 41.6 | 28.6 | 13.8 | 58.5 | 18.3 | 21.3 |
| Ten or More | 43.7 | 80.0 | 43.1 | 46.4 | 60.4 | 44.2 | 16.8 | 69.6 | 18.6 |

RSEs for Table C9. Consumption and Gross Energy Intensity by Census Division for Sum of Major Fuels for Non-Mall Buildings, 2003: Part 3

| | RSEs for Sum of Major Fuel Consumption | | | RSEs for Total Floorspace of Buildings | | | RSEs for Energy Intensity for Sum of Major Fuels | | |
|---|--|----------|---------|--|----------|---------|--|----------|---------|
| | West South Central | Mountain | Pacific | West South Central | Mountain | Pacific | West South Central | Mountain | Pacific |
| All Buildings* | 13.6 | 17.0 | 12.0 | 11.2 | 8.5 | 5.3 | 12.7 | 14.1 | 12.0 |
| Elevators and Escalators (more than one may apply) | | | | | | | | | |
| Any Elevators | 25.5 | 39.7 | 21.5 | 25.3 | 24.3 | 15.6 | 18.2 | 23.1 | 19.0 |
| Number of Elevators | | | | | | | | | |
| One | 17.5 | 28.4 | 25.0 | 12.2 | 31.4 | 27.9 | 17.6 | 26.5 | 22.0 |
| Two to Five | 25.9 | 13.2 | 19.9 | 39.3 | 13.6 | 13.5 | 56.9 | 7.5 | 21.5 |
| Six or More | 43.5 | 74.7 | 36.5 | 43.7 | 49.7 | 34.8 | 20.5 | 65.3 | 26.1 |
| Any Escalators | 58.8 | 98.3 | 56.0 | 53.5 | 70.6 | 32.6 | 28.5 | 96.1 | 30.8 |
| Number of Workers (main shift) | | | | | | | | | |
| Fewer than 5 | 22.7 | 15.0 | 16.9 | 14.5 | 20.9 | 16.9 | 20.5 | 21.6 | 15.0 |
| 5 to 9 | 35.4 | 32.9 | 10.7 | 14.5 | 27.1 | 16.7 | 27.2 | 9.0 | 25.7 |
| 10 to 19 | 20.8 | 22.1 | 35.2 | 22.2 | 25.4 | 21.1 | 33.2 | 21.7 | 25.3 |
| 20 to 49 | 27.4 | 36.6 | 27.1 | 15.8 | 20.8 | 19.5 | 26.2 | 17.2 | 11.5 |
| 50 to 99 | 19.7 | 23.3 | 14.5 | 31.8 | 27.1 | 12.3 | 31.9 | 9.4 | 10.1 |
| 100 to 249 | 19.0 | 24.7 | 29.5 | 20.0 | 15.9 | 12.8 | 21.0 | 14.0 | 25.8 |
| 250 or More | 38.0 | 59.4 | 26.6 | 38.1 | 48.8 | 25.4 | 16.0 | 38.1 | 21.3 |
| Weekly Operating Hours | | | | | | | | | |
| Fewer than 40 | 39.4 | 37.3 | 40.3 | 20.6 | 22.1 | 28.4 | 28.1 | 26.6 | 36.1 |
| 40 to 48 | 21.0 | 17.7 | 20.3 | 18.4 | 16.0 | 19.4 | 20.1 | 7.2 | 25.3 |
| 49 to 60 | 15.6 | 17.7 | 19.5 | 15.8 | 25.2 | 11.9 | 24.6 | 10.7 | 11.2 |
| 61 to 84 | 24.8 | 15.6 | 17.9 | 23.8 | 22.1 | 10.9 | 32.0 | 33.9 | 10.7 |
| 85 to 167 | 27.4 | 16.1 | 11.4 | 25.9 | 22.0 | 12.0 | 28.8 | 32.0 | 14.4 |
| Open Continuously | 38.6 | 40.5 | 30.1 | 23.9 | 14.9 | 15.5 | 20.5 | 32.5 | 21.1 |
| Ownership and Occupancy | | | | | | | | | |
| Nongovernment Owned | 15.4 | 25.7 | 16.1 | 12.4 | 13.4 | 6.2 | 15.0 | 16.6 | 14.5 |
| Owner Occupied | 19.3 | 32.9 | 19.0 | 16.7 | 24.2 | 10.8 | 8.9 | 10.1 | 15.1 |
| Nonowner Occupied | 21.6 | 34.3 | 18.6 | 13.5 | 15.0 | 10.4 | 22.8 | 23.8 | 13.4 |
| Unoccupied | 91.3 | X | 87.7 | 31.2 | 72.3 | 77.1 | 76.0 | X | 18.7 |
| Government Owned | 24.6 | 14.5 | 24.8 | 27.7 | 18.9 | 9.2 | 25.4 | 9.4 | 21.9 |
| Federal | 65.3 | 69.6 | 82.2 | 41.8 | 78.4 | 37.7 | 49.2 | 10.5 | 49.1 |
| State | 40.2 | 58.2 | 24.0 | 63.5 | 22.5 | 24.0 | 151.0 | 49.8 | 13.3 |
| Local | 24.7 | 17.1 | 28.3 | 21.0 | 13.9 | 23.5 | 20.9 | 13.4 | 27.6 |
| Vacancy Status | | | | | | | | | |
| Completely Vacant | 91.3 | X | 87.7 | 30.4 | 72.3 | 76.1 | 75.8 | X | 18.9 |
| Mostly Vacant | X | 72.8 | 79.1 | 100.1 | 76.6 | 64.9 | X | 46.0 | 76.6 |
| Partially Vacant | 34.4 | 41.6 | 32.2 | 26.3 | 28.7 | 22.9 | 14.7 | 20.6 | 23.2 |
| Not At All Vacant | 9.4 | 21.3 | 12.2 | 11.5 | 9.9 | 6.6 | 14.1 | 17.5 | 11.5 |
| Number of Establishments | | | | | | | | | |
| One | 11.7 | 18.6 | 14.0 | 12.1 | 5.8 | 6.6 | 11.0 | 18.7 | 13.0 |
| 2 to 5 | 19.9 | 32.0 | 29.2 | 17.7 | 36.2 | 14.7 | 25.7 | 15.9 | 15.7 |
| 6 to 10 | 63.4 | 25.7 | 28.9 | 30.0 | 13.5 | 29.2 | 45.4 | 18.3 | 21.5 |
| 11 to 20 | 112.3 | 65.6 | 37.5 | 43.4 | 49.3 | 34.5 | 116.0 | 189.9 | 39.2 |
| More than 20 | 58.9 | 100.2 | 49.6 | 31.8 | 81.3 | 41.4 | 38.2 | 104.1 | 21.5 |
| Currently Unoccupied | 91.3 | X | 87.7 | 30.4 | 72.3 | 76.1 | 75.8 | X | 18.9 |

RSEs for Table C9. Consumption and Gross Energy Intensity by Census Division for Sum of Major Fuels for Non-Mall Buildings, 2003: Part 3

| | RSEs for Sum of Major Fuel Consumption | | | RSEs for Total Floorspace of Buildings | | | RSEs for Energy Intensity for Sum of Major Fuels | | |
|---|--|----------|---------|--|----------|---------|--|----------|---------|
| | West South Central | Mountain | Pacific | West South Central | Mountain | Pacific | West South Central | Mountain | Pacific |
| All Buildings* | 13.6 | 17.0 | 12.0 | 11.2 | 8.5 | 5.3 | 12.7 | 14.1 | 12.0 |
| Predominant Exterior Wall Material | | | | | | | | | |
| Brick, Stone or Stucco | 18.1 | 16.2 | 19.9 | 15.3 | 15.7 | 12.3 | 10.4 | 13.5 | 16.2 |
| Concrete (Block or Poured) | 19.8 | 23.3 | 22.5 | 21.5 | 16.4 | 9.0 | 21.0 | 15.7 | 19.4 |
| Concrete Panels | 29.1 | 61.4 | 19.1 | 19.9 | 46.9 | 16.4 | 33.9 | 26.7 | 14.2 |
| Siding or Shingles | 30.7 | 46.9 | 44.7 | 14.6 | 62.4 | 27.9 | 24.3 | 49.0 | 46.8 |
| Metal Panels | 31.1 | 47.9 | 17.0 | 22.7 | 36.9 | 20.4 | 23.3 | 11.6 | 11.2 |
| Window Glass | 58.1 | 105.7 | 47.9 | 41.4 | 70.1 | 46.2 | 27.5 | 49.4 | 38.6 |
| Other | 66.7 | 95.1 | 53.7 | 66.5 | 73.6 | 43.4 | 5.7 | 57.7 | 32.9 |
| No One Major Type | 100.2 | X | 100.4 | 100.2 | 82.2 | 67.1 | 0.0 | X | 103.7 |
| Predominant Roof Material | | | | | | | | | |
| Built-Up | 23.5 | 35.4 | 12.1 | 11.8 | 13.1 | 8.8 | 17.2 | 29.1 | 10.0 |
| Shingles (Not Wood) | 25.5 | 21.6 | 31.3 | 16.4 | 17.7 | 13.3 | 18.0 | 24.2 | 33.9 |
| Metal Surfacing | 26.5 | 31.5 | 27.3 | 25.2 | 18.8 | 20.7 | 24.7 | 13.8 | 13.3 |
| Synthetic or Rubber | 26.8 | 24.1 | 25.5 | 33.2 | 16.5 | 25.0 | 46.2 | 20.9 | 31.5 |
| Slate or Tile | 45.5 | 39.9 | 22.8 | 31.4 | 22.9 | 36.2 | 37.7 | 22.3 | 47.1 |
| Wooden Materials | 16.1 | 61.0 | 42.7 | 24.1 | 47.0 | 39.2 | 27.6 | 33.1 | 43.3 |
| Concrete | 58.4 | 100.2 | 49.2 | 52.5 | 81.8 | 30.5 | 52.8 | 103.7 | 38.2 |
| Other | 95.7 | 85.3 | 44.1 | 75.6 | 78.6 | 51.4 | 71.5 | 38.1 | 29.5 |
| No One Major Type | 97.0 | 0.0 | 72.4 | 74.3 | 0.0 | 48.2 | 27.4 | 0.0 | 69.5 |
| Renovations in Buildings Constructed Before 1980 (more than one may apply) | | | | | | | | | |
| Any Type of Renovation | 17.6 | 12.0 | 14.3 | 8.0 | 10.5 | 18.4 | 20.9 | 12.5 | 12.7 |
| Since 1980 | 34.9 | 17.4 | 10.0 | 21.2 | 11.0 | 22.4 | 17.8 | 11.6 | 23.2 |
| Addition or Annex | 100.1 | 93.8 | 90.2 | 88.3 | 87.6 | 64.5 | 668.0 | 6.5 | 79.1 |
| Reduction In Floorspace | 22.7 | 20.0 | 13.0 | 13.5 | 14.0 | 18.4 | 30.2 | 11.5 | 14.5 |
| Cosmetic Improvements | 40.6 | 37.8 | 23.7 | 15.7 | 22.1 | 26.9 | 26.0 | 30.0 | 20.7 |
| Wall or Roof Replacement | 21.6 | 19.7 | 18.9 | 10.3 | 13.4 | 22.4 | 25.9 | 14.3 | 9.7 |
| Interior Wall | | | | | | | | | |
| Re-Configuration | 15.3 | 17.7 | 21.8 | 19.9 | 11.5 | 24.9 | 16.7 | 10.0 | 17.4 |
| HVAC Equipment Upgrade | 18.6 | 20.5 | 16.2 | 20.6 | 12.8 | 19.4 | 21.0 | 12.0 | 12.0 |
| Lighting Upgrade | 29.6 | 44.4 | 28.0 | 23.6 | 27.5 | 26.9 | 32.9 | 16.4 | 17.2 |
| Window Replacement | 27.7 | 33.3 | 24.8 | 19.1 | 16.3 | 28.1 | 19.7 | 21.3 | 20.7 |
| Plumbing System Upgrade | 27.3 | 30.3 | 39.2 | 26.0 | 25.7 | 38.3 | 25.1 | 7.1 | 38.5 |
| Insulation Upgrade | 0.0 | X | 58.9 | 0.0 | 93.9 | 51.7 | 0.0 | X | 86.0 |
| Other Renovation | 19.8 | 15.7 | 17.9 | 9.7 | 20.6 | 5.6 | 21.3 | 9.4 | 17.5 |
| No Renovations Since 1980 | 14.8 | 34.8 | 18.9 | 20.6 | 20.0 | 12.6 | 18.1 | 21.2 | 16.0 |
| Energy Sources (more than one may apply) | | | | | | | | | |
| Electricity | 13.6 | 17.0 | 12.0 | 12.3 | 7.7 | 4.9 | 11.2 | 11.7 | 10.3 |
| Natural Gas | 16.1 | 20.9 | 16.7 | 17.1 | 14.7 | 9.1 | 8.0 | 10.3 | 9.2 |
| Fuel Oil | 28.2 | 58.0 | 18.5 | 38.3 | 29.9 | 18.4 | 21.0 | 51.1 | 13.9 |
| District Heat | 82.0 | 71.0 | 60.6 | 51.1 | 40.8 | 28.5 | 86.4 | 49.5 | 55.8 |
| District Chilled Water | 49.2 | 86.6 | 78.9 | 42.9 | 38.5 | 26.9 | 49.2 | 87.8 | 74.0 |
| Propane | 45.1 | 68.0 | 42.5 | 42.0 | 37.0 | 25.5 | 36.6 | 49.5 | 47.4 |
| Other | 100.0 | 94.4 | 39.4 | 52.5 | 65.7 | 20.6 | 105.0 | 18.4 | 37.1 |

RSEs for Table C9. Consumption and Gross Energy Intensity by Census Division for Sum of Major Fuels for Non-Mall Buildings, 2003: Part 3

| | RSEs for Sum of Major Fuel Consumption | | | RSEs for Total Floorspace of Buildings | | | RSEs for Energy Intensity for Sum of Major Fuels | | |
|---|--|----------|---------|--|----------|---------|--|----------|---------|
| | West South Central | Mountain | Pacific | West South Central | Mountain | Pacific | West South Central | Mountain | Pacific |
| All Buildings* | 13.6 | 17.0 | 12.0 | 11.2 | 8.5 | 5.3 | 12.7 | 14.1 | 12.0 |
| Space-Heating Energy Sources (more than one may apply) | | | | | | | | | |
| Electricity | 16.4 | 40.2 | 14.0 | 18.3 | 20.6 | 12.1 | 14.1 | 25.5 | 18.3 |
| Natural Gas | 19.3 | 22.9 | 19.0 | 12.3 | 16.8 | 11.1 | 14.0 | 12.9 | 11.3 |
| Fuel Oil | 58.7 | 33.8 | 34.8 | 49.5 | 14.0 | 19.2 | 26.4 | 36.1 | 28.3 |
| District Heat | 82.0 | 71.0 | 60.6 | 53.4 | 40.8 | 29.5 | 87.8 | 49.5 | 55.2 |
| Propane | 63.1 | 66.9 | 71.0 | 81.5 | 44.7 | 53.1 | 32.2 | 37.8 | 84.9 |
| Other | X | 96.2 | 49.4 | 86.9 | 67.0 | 48.9 | X | 17.7 | 35.0 |
| Primary Space-Heating Energy Source | | | | | | | | | |
| Electricity | 17.8 | 23.2 | 20.8 | 22.2 | 20.0 | 19.5 | 16.2 | 8.5 | 12.7 |
| Natural Gas | 16.5 | 22.3 | 20.3 | 12.0 | 15.4 | 14.6 | 12.8 | 15.2 | 9.9 |
| Fuel Oil | 0.0 | 76.0 | 100.6 | 0.0 | 46.4 | 15.6 | 0.0 | 33.0 | 101.4 |
| District Heat | 82.0 | 71.9 | 60.6 | 55.6 | 26.0 | 29.5 | 88.7 | 62.0 | 55.2 |
| Propane | 63.1 | 41.7 | 87.1 | 76.5 | 52.7 | 65.0 | 28.7 | 8.0 | 131.3 |
| Other | 0.0 | 100.1 | 45.6 | 0.0 | 23.4 | 55.0 | 0.0 | 100.0 | 20.6 |
| Cooling Energy Sources (more than one may apply) | | | | | | | | | |
| Electricity | 14.5 | 20.9 | 11.5 | 11.7 | 13.4 | 5.9 | 12.3 | 12.3 | 10.8 |
| Natural Gas | 76.4 | 41.8 | 57.7 | 87.3 | 34.9 | 52.0 | 16.1 | 21.0 | 99.6 |
| District Chilled Water | 49.2 | 86.6 | 78.9 | 42.9 | 38.5 | 26.9 | 49.2 | 87.8 | 74.0 |
| Water-Heating Energy Sources (more than one may apply) | | | | | | | | | |
| Electricity | 14.9 | 21.6 | 12.0 | 21.1 | 14.4 | 13.4 | 15.3 | 13.4 | 7.3 |
| Natural Gas | 17.2 | 22.2 | 18.0 | 13.5 | 14.1 | 9.4 | 14.6 | 16.3 | 12.7 |
| Fuel Oil | 100.0 | 95.5 | 97.3 | 78.4 | 95.5 | 77.0 | 102.3 | 0.0 | 18.5 |
| District Heat | 98.8 | 71.9 | 60.6 | 50.5 | 43.6 | 38.8 | 76.2 | 52.8 | 56.3 |
| Propane | 59.1 | 90.1 | 85.5 | 65.9 | 89.1 | 53.1 | 17.5 | 4.7 | 87.9 |
| Cooking Energy Sources (more than one may apply) | | | | | | | | | |
| Electricity | 22.9 | 52.3 | 16.4 | 24.3 | 25.9 | 13.3 | 21.8 | 36.6 | 13.5 |
| Natural Gas | 17.4 | 39.9 | 20.9 | 17.4 | 25.1 | 17.0 | 14.7 | 23.3 | 16.4 |
| Propane | 86.2 | 28.4 | 61.1 | 64.2 | 47.7 | 33.4 | 26.4 | 14.8 | 52.8 |
| Energy End Uses (more than one may apply) | | | | | | | | | |
| Buildings with Space Heating | 13.8 | 17.1 | 12.8 | 11.2 | 8.3 | 5.4 | 10.7 | 13.5 | 11.4 |
| Buildings with Cooling | 13.8 | 19.4 | 12.5 | 12.3 | 12.3 | 5.5 | 11.6 | 12.0 | 12.2 |
| Buildings with Water Heating | 14.8 | 17.7 | 12.4 | 12.3 | 8.9 | 6.6 | 10.1 | 13.8 | 11.4 |
| Buildings with Cooking | 19.0 | 34.8 | 20.6 | 18.8 | 17.8 | 13.7 | 12.8 | 23.1 | 15.2 |
| Buildings with Manufacturing | 59.0 | 67.7 | 49.5 | 53.4 | 57.0 | 32.1 | 31.9 | 27.4 | 23.3 |
| Buildings with Electricity Generation | 24.5 | 51.7 | 19.1 | 29.6 | 28.0 | 16.0 | 20.1 | 41.9 | 14.7 |
| Percent of Floorspace Heated | | | | | | | | | |
| Not Heated | 55.6 | 68.9 | 37.7 | 26.8 | 40.2 | 22.5 | 57.9 | 86.3 | 23.7 |
| 1 to 50 | 40.2 | 53.1 | 22.7 | 33.6 | 36.8 | 13.5 | 27.7 | 25.5 | 15.3 |
| 51 to 99 | 25.5 | 38.5 | 21.9 | 16.3 | 39.0 | 11.8 | 18.1 | 6.9 | 16.2 |
| 100 | 16.5 | 24.4 | 16.5 | 15.5 | 11.5 | 8.5 | 9.9 | 18.8 | 15.4 |

RSEs for Table C9. Consumption and Gross Energy Intensity by Census Division for Sum of Major Fuels for Non-Mall Buildings, 2003: Part 3

| | RSEs for Sum of Major Fuel Consumption | | | RSEs for Total Floorspace of Buildings | | | RSEs for Energy Intensity for Sum of Major Fuels | | |
|---|--|----------|---------|--|----------|---------|--|----------|---------|
| | West South Central | Mountain | Pacific | West South Central | Mountain | Pacific | West South Central | Mountain | Pacific |
| All Buildings* | 13.6 | 17.0 | 12.0 | 11.2 | 8.5 | 5.3 | 12.7 | 14.1 | 12.0 |
| Percent of Floorspace Cooled | | | | | | | | | |
| Not Cooled | 51.0 | 48.4 | 15.3 | 27.7 | 40.1 | 22.4 | 37.7 | 15.3 | 23.6 |
| 1 to 50 | 24.7 | 49.5 | 19.6 | 27.9 | 32.7 | 16.7 | 25.5 | 25.5 | 15.6 |
| 51 to 99 | 26.0 | 15.5 | 22.7 | 17.6 | 13.1 | 18.6 | 13.2 | 18.5 | 16.2 |
| 100 | 19.4 | 36.9 | 18.5 | 19.1 | 19.5 | 11.0 | 11.8 | 24.4 | 18.9 |
| Percent Lit When Open | | | | | | | | | |
| Zero | 83.2 | X | 81.7 | 55.4 | 100.1 | 55.3 | 60.1 | X | 70.2 |
| 1 to 50 | 40.3 | 37.0 | 34.7 | 29.0 | 25.4 | 8.2 | 40.2 | 15.8 | 28.1 |
| 51 to 99 | 24.2 | 10.0 | 20.4 | 13.9 | 14.6 | 13.3 | 22.8 | 8.8 | 17.8 |
| 100 | 10.7 | 27.3 | 16.5 | 12.0 | 14.0 | 7.7 | 8.0 | 18.0 | 15.4 |
| Building Never Open/ Electricity Not Used | 91.3 | 26.3 | 92.9 | 23.3 | 32.3 | 58.8 | 73.2 | 24.0 | 98.9 |
| Percent Lit When Closed | | | | | | | | | |
| Zero | 10.7 | 16.6 | 19.2 | 17.3 | 13.7 | 13.4 | 23.1 | 7.9 | 9.6 |
| 1 to 50 | 14.1 | 7.7 | 7.8 | 12.4 | 10.5 | 8.3 | 18.4 | 4.5 | 7.1 |
| 51 to 100 | 35.2 | 66.8 | 43.7 | 20.2 | 31.4 | 25.0 | 39.1 | 71.2 | 45.3 |
| Building Never Closed/ Electricity Not Used | 38.6 | 40.5 | 30.1 | 15.8 | 14.7 | 15.8 | 29.1 | 32.8 | 24.0 |
| Heating Equipment (more than one may apply) | | | | | | | | | |
| Heat Pumps | 28.3 | 75.7 | 29.9 | 18.1 | 45.7 | 14.0 | 18.3 | 59.6 | 25.1 |
| Packaged Heat Pumps | 32.0 | 77.9 | 33.7 | 14.2 | 51.5 | 19.7 | 23.1 | 58.8 | 17.1 |
| Split-System Heat Pumps | 68.8 | 52.3 | 47.2 | 36.7 | 52.1 | 30.9 | 62.9 | 15.6 | 34.4 |
| Individual Room Heat Pumps | 43.5 | 31.0 | 36.7 | 33.1 | 40.0 | 22.0 | 39.7 | 25.4 | 50.7 |
| Furnaces | 16.9 | 20.4 | 25.6 | 10.8 | 9.0 | 15.7 | 12.8 | 14.3 | 17.9 |
| Individual Space Heaters | 28.3 | 21.8 | 20.4 | 23.3 | 10.5 | 18.2 | 19.5 | 14.7 | 13.2 |
| District Heat | 82.0 | 71.0 | 60.6 | 53.4 | 40.8 | 29.5 | 87.8 | 49.5 | 55.2 |
| Boilers | 27.1 | 30.8 | 18.5 | 29.5 | 18.7 | 17.7 | 23.2 | 25.4 | 12.2 |
| Packaged Heating Units | 15.8 | 22.7 | 17.8 | 13.1 | 23.0 | 9.6 | 17.6 | 13.8 | 12.8 |
| Other | 38.0 | 48.6 | 20.9 | 33.7 | 34.2 | 24.8 | 50.9 | 17.5 | 23.0 |
| Cooling Equipment (more than one may apply) | | | | | | | | | |
| Residential-Type Central | | | | | | | | | |
| Air Conditioners | 38.7 | 22.1 | 18.1 | 25.9 | 30.1 | 17.0 | 34.0 | 20.2 | 23.3 |
| Heat Pumps | 23.5 | 71.9 | 28.6 | 13.8 | 38.4 | 13.9 | 18.3 | 60.1 | 23.3 |
| Packaged Heat Pumps | 34.2 | 77.4 | 33.7 | 13.2 | 51.8 | 19.4 | 23.3 | 57.7 | 17.1 |
| Split-System Heat Pumps | 78.9 | 46.4 | 47.5 | 41.3 | 44.0 | 30.4 | 124.9 | 13.2 | 35.7 |
| Individual Room Heat Pumps | 43.5 | 48.0 | 34.2 | 33.1 | 39.3 | 24.4 | 39.7 | 42.7 | 41.1 |
| Individual Air Conditioners | 26.3 | 26.4 | 24.5 | 19.5 | 21.9 | 16.4 | 32.8 | 10.1 | 12.3 |
| District Chilled Water | 49.2 | 86.6 | 78.9 | 42.9 | 38.5 | 26.9 | 49.2 | 87.8 | 74.0 |
| Central Chillers | 25.7 | 54.3 | 23.8 | 26.6 | 32.4 | 28.3 | 18.7 | 42.0 | 19.3 |
| Packaged Air Conditioning | | | | | | | | | |
| Units | 13.1 | 15.3 | 12.9 | 10.6 | 15.2 | 7.1 | 14.4 | 11.2 | 10.2 |
| Swamp Coolers | 60.9 | 23.2 | 20.3 | 46.7 | 23.0 | 22.5 | 74.8 | 10.2 | 17.6 |
| Other | 25.7 | 43.0 | 80.5 | 33.0 | 58.2 | 46.1 | 16.7 | 26.6 | 30.7 |
| Main Equipment Replaced Since 1990 (more than one may apply) | | | | | | | | | |
| Heating | 7.1 | 45.0 | 23.1 | 10.6 | 17.9 | 17.4 | 11.6 | 34.1 | 9.8 |
| Cooling | 21.1 | 33.9 | 9.6 | 11.1 | 14.9 | 8.4 | 20.3 | 24.8 | 15.2 |

RSEs for Table C9. Consumption and Gross Energy Intensity by Census Division for Sum of Major Fuels for Non-Mall Buildings, 2003: Part 3

| | RSEs for Sum of Major Fuel Consumption | | | RSEs for Total Floorspace of Buildings | | | RSEs for Energy Intensity for Sum of Major Fuels | | |
|--|--|----------|---------|--|----------|---------|--|----------|---------|
| | West South Central | Mountain | Pacific | West South Central | Mountain | Pacific | West South Central | Mountain | Pacific |
| All Buildings* | 13.6 | 17.0 | 12.0 | 11.2 | 8.5 | 5.3 | 12.7 | 14.1 | 12.0 |
| Water Heating Equipment | | | | | | | | | |
| Centralized System | 22.7 | 15.2 | 18.3 | 17.8 | 15.0 | 6.5 | 11.9 | 6.1 | 14.7 |
| Distributed System | 27.3 | 21.0 | 24.8 | 11.0 | 16.5 | 17.9 | 22.2 | 9.9 | 18.3 |
| Combination of Centralized and Distributed System | 18.1 | 38.4 | 26.1 | 19.3 | 21.5 | 20.3 | 24.6 | 26.7 | 22.8 |
| Lighting Equipment Types (more than one may apply) | | | | | | | | | |
| Incandescent | 18.8 | 24.8 | 18.0 | 15.6 | 11.7 | 10.3 | 12.5 | 21.3 | 13.2 |
| Standard Fluorescent | 13.9 | 17.5 | 12.4 | 12.4 | 9.8 | 5.5 | 12.3 | 14.2 | 11.5 |
| Compact Fluorescent | 21.6 | 28.9 | 16.8 | 20.9 | 10.0 | 9.2 | 13.8 | 25.1 | 13.0 |
| High Intensity Discharge | 22.4 | 23.9 | 10.2 | 14.2 | 11.3 | 7.5 | 15.8 | 16.0 | 4.5 |
| Halogen | 20.2 | 24.7 | 21.1 | 15.8 | 24.0 | 17.0 | 19.5 | 7.3 | 10.5 |
| Other | 92.7 | 100.2 | 100.4 | 66.2 | 100.2 | 100.4 | 95.4 | 0.0 | 0.0 |
| Refrigeration Equipment (more than one may apply)^a | | | | | | | | | |
| Any Refrigeration..... | 15.4 | 21.0 | 13.8 | 12.1 | 9.2 | 5.7 | 10.6 | 16.4 | 11.7 |
| Commercial Refrigeration | 19.4 | 28.2 | 18.0 | 18.3 | 11.9 | 13.2 | 8.8 | 21.4 | 14.7 |
| Walk-In Units | 16.8 | 30.4 | 20.5 | 19.7 | 9.9 | 14.1 | 9.3 | 25.8 | 19.2 |
| Cases or Cabinets | 22.8 | 32.2 | 17.9 | 19.6 | 16.4 | 16.0 | 10.6 | 21.3 | 14.2 |
| Residential-Type Units | 12.4 | 13.8 | 13.4 | 12.5 | 10.3 | 6.4 | 11.7 | 5.1 | 10.9 |
| Vending Machines | 16.2 | 26.7 | 11.7 | 15.0 | 16.0 | 8.5 | 12.8 | 15.8 | 9.5 |
| No Refrigeration | 32.9 | 36.4 | 14.1 | 19.4 | 17.3 | 16.8 | 29.9 | 21.0 | 19.9 |
| Office Equipment (more than one may apply) | | | | | | | | | |
| Computers | 14.3 | 19.9 | 12.8 | 13.1 | 11.1 | 4.5 | 12.7 | 15.1 | 11.1 |
| With Flat Screen Monitors | 24.9 | 35.6 | 13.5 | 20.1 | 16.2 | 11.7 | 16.4 | 29.2 | 12.8 |
| Dedicated Servers | 19.0 | 28.4 | 14.5 | 17.0 | 14.7 | 5.3 | 14.1 | 20.2 | 13.3 |
| Laser Printers | 15.5 | 35.8 | 16.3 | 14.5 | 19.7 | 4.9 | 16.4 | 26.8 | 14.9 |
| Inkjet Printers | 22.3 | 23.6 | 14.7 | 18.2 | 19.0 | 10.7 | 18.2 | 8.9 | 9.2 |
| FAX Machines | 14.2 | 20.1 | 13.1 | 13.6 | 13.5 | 6.3 | 11.8 | 11.1 | 11.8 |
| Photocopiers | 12.9 | 24.4 | 14.2 | 14.7 | 16.0 | 6.6 | 11.8 | 16.7 | 12.1 |
| Number of Computers | | | | | | | | | |
| None | 25.5 | 30.9 | 26.1 | 14.7 | 24.9 | 29.3 | 20.1 | 22.5 | 33.7 |
| 1 to 4 | 15.8 | 24.0 | 19.5 | 15.2 | 26.1 | 12.1 | 20.5 | 11.0 | 14.3 |
| 5 to 9 | 22.8 | 14.6 | 37.4 | 17.9 | 15.9 | 20.2 | 16.8 | 23.9 | 46.1 |
| 10 to 19 | 30.9 | 16.8 | 23.5 | 29.3 | 20.4 | 17.7 | 25.9 | 10.9 | 21.8 |
| 20 to 49 | 31.1 | 31.7 | 23.1 | 29.6 | 24.5 | 16.4 | 29.4 | 13.8 | 16.2 |
| 50 to 99 | 38.7 | 25.3 | 13.2 | 21.5 | 23.8 | 19.0 | 24.3 | 12.7 | 14.3 |
| 100 to 249 | 22.4 | 42.2 | 30.2 | 20.7 | 24.9 | 26.2 | 15.3 | 24.6 | 29.8 |
| 250 or More | 31.9 | 62.2 | 27.2 | 34.9 | 39.3 | 21.2 | 22.9 | 51.4 | 19.4 |
| Number of Dedicated Servers | | | | | | | | | |
| None | 16.4 | 12.8 | 9.0 | 12.1 | 8.7 | 8.2 | 13.7 | 9.3 | 8.7 |
| 1 to 4 | 11.2 | 17.5 | 16.1 | 16.7 | 15.8 | 7.3 | 16.8 | 5.6 | 14.0 |
| 5 to 9 | 74.4 | 90.9 | 37.5 | 38.3 | 69.9 | 27.2 | 52.0 | 25.8 | 38.5 |
| 10 to 19 | 32.2 | 56.8 | 31.6 | 36.1 | 42.9 | 15.3 | 36.3 | 31.3 | 21.6 |
| 20 to 49 | 78.3 | 52.6 | 34.0 | 48.2 | 56.1 | 26.5 | 60.4 | 35.0 | 22.2 |
| 50 or More | 44.8 | 90.8 | 49.4 | 47.5 | 76.3 | 47.1 | 31.8 | 59.9 | 26.4 |

RSEs for Table C9. Consumption and Gross Energy Intensity by Census Division for Sum of Major Fuels for Non-Mall Buildings, 2003: Part 3

| | RSEs for Sum of Major Fuel Consumption | | | RSEs for Total Floorspace of Buildings | | | RSEs for Energy Intensity for Sum of Major Fuels | | |
|--|--|----------|---------|--|----------|---------|--|----------|---------|
| | West South Central | Mountain | Pacific | West South Central | Mountain | Pacific | West South Central | Mountain | Pacific |
| All Buildings* | 13.6 | 17.0 | 12.0 | 11.2 | 8.5 | 5.3 | 12.7 | 14.1 | 12.0 |
| Number of Photocopiers | | | | | | | | | |
| None | 20.4 | 17.8 | 15.8 | 13.5 | 23.1 | 12.1 | 20.0 | 21.3 | 18.6 |
| One | 16.4 | 14.5 | 14.1 | 17.5 | 22.9 | 15.4 | 20.6 | 11.4 | 12.6 |
| 2 to 4 | 10.5 | 22.5 | 22.8 | 18.7 | 15.8 | 10.5 | 16.2 | 8.3 | 17.5 |
| 5 to 9 | 33.1 | 37.5 | 30.4 | 23.9 | 33.6 | 14.7 | 39.7 | 16.1 | 26.1 |
| 10 or More | 32.3 | 49.3 | 26.1 | 32.2 | 31.7 | 21.0 | 18.1 | 32.2 | 16.7 |
| Energy-Related Space Functions (more than one may apply) | | | | | | | | | |
| Commercial Food Preparation | 19.0 | 34.8 | 21.4 | 18.8 | 17.8 | 13.8 | 12.8 | 23.1 | 15.7 |
| Activities with Large Amounts of Hot Water | 21.2 | 29.2 | 21.2 | 20.2 | 6.3 | 14.4 | 17.6 | 29.1 | 16.1 |
| Separate Computer Area | 21.9 | 32.8 | 15.7 | 20.2 | 18.1 | 8.0 | 15.1 | 22.4 | 12.4 |
| HVAC Conservation Features (more than one may apply) | | | | | | | | | |
| Variable Air-Volume System | 25.6 | 39.2 | 21.3 | 24.7 | 17.4 | 13.9 | 11.8 | 29.2 | 17.9 |
| Economizer Cycle | 30.1 | 27.3 | 12.5 | 27.1 | 13.6 | 10.8 | 21.3 | 19.2 | 13.0 |
| HVAC Maintenance | 16.4 | 18.7 | 13.3 | 14.4 | 6.8 | 4.4 | 12.9 | 16.7 | 12.1 |
| Energy Management and Control System (EMCS) | 18.1 | 45.9 | 18.7 | 25.2 | 22.7 | 13.9 | 18.1 | 32.0 | 15.1 |
| Window and Interior Lighting Features (more than one may apply) | | | | | | | | | |
| Multipaned Windows | 17.9 | 20.5 | 15.1 | 17.9 | 11.2 | 6.5 | 12.8 | 14.9 | 15.1 |
| Tinted Window Glass | 15.0 | 28.2 | 16.4 | 15.4 | 13.8 | 7.4 | 17.9 | 18.8 | 14.1 |
| Reflective Window Glass | 24.9 | 14.2 | 26.9 | 20.2 | 15.2 | 12.8 | 25.5 | 19.2 | 27.4 |
| External Overhangs or Awnings | 15.8 | 28.5 | 19.4 | 16.7 | 8.9 | 13.9 | 13.3 | 24.8 | 12.0 |
| Skylights or Atriums | 14.4 | 36.3 | 27.5 | 21.0 | 23.4 | 16.1 | 21.2 | 19.8 | 23.0 |
| Daylighting Sensors | 22.5 | 84.1 | 42.1 | 31.3 | 51.8 | 28.7 | 23.4 | 71.2 | 35.6 |
| Specular Reflectors | 23.4 | 30.7 | 12.4 | 20.3 | 19.2 | 9.1 | 23.3 | 17.0 | 9.5 |
| Electronic Ballasts | 13.8 | 23.8 | 12.6 | 14.7 | 11.4 | 6.3 | 14.7 | 16.8 | 10.9 |
| Energy Management and Control System (EMCS) For Lighting | 36.2 | 26.5 | 32.0 | 40.6 | 40.3 | 28.9 | 36.1 | 24.5 | 22.3 |
| Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^a | | | | | | | | | |
| Heating | 14.5 | 20.6 | 12.7 | 12.1 | 7.8 | 5.8 | 11.0 | 18.5 | 11.6 |
| Cooling | 14.8 | 18.8 | 13.3 | 12.7 | 10.5 | 5.4 | 12.9 | 12.8 | 12.7 |
| Lighting | 9.5 | 8.3 | 7.9 | 12.4 | 8.2 | 5.9 | 13.7 | 4.0 | 6.3 |
| Office Equipment | 17.1 | 21.9 | 11.4 | 20.3 | 14.4 | 12.3 | 20.1 | 7.6 | 12.3 |

X=No cases in the responding sample reported their consumption for the particular fuel, so relative standard error could not be calculated.

RSEs for Table C10. Consumption and Gross Energy Intensity by Climate Zone^a for Non-Mall Buildings, 2003

| | RSEs for Sum of Major Fuel Consumption | | | | | RSEs for Total Floorspace of Buildings | | | | | RSEs for Energy Intensity for Sum of Major Fuels | | | | |
|--|--|--------|--------|--------|--------|--|--------|--------|--------|--------|--|--------|--------|--------|--------|
| | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 |
| All Buildings* | 10.4 | 9.6 | 19.9 | 11.9 | 12.5 | 10.9 | 9.1 | 15.3 | 11.1 | 10.1 | 5.5 | 8.6 | 11.9 | 9.0 | 11.7 |
| Building Floorspace (Square Feet) | | | | | | | | | | | | | | | |
| 1,001 to 5,000 | 16.3 | 14.1 | 21.9 | 18.7 | 20.3 | 13.0 | 14.9 | 32.1 | 15.9 | 11.0 | 12.1 | 11.7 | 17.4 | 14.2 | 18.5 |
| 5,001 to 10,000 | 23.2 | 12.8 | 22.7 | 18.9 | 28.6 | 18.3 | 15.7 | 17.6 | 12.5 | 15.8 | 16.5 | 9.3 | 12.1 | 21.3 | 20.1 |
| 10,001 to 25,000 | 12.9 | 13.1 | 36.9 | 19.7 | 23.4 | 16.1 | 11.0 | 21.9 | 16.8 | 17.2 | 9.3 | 10.2 | 27.4 | 17.5 | 32.7 |
| 25,001 to 50,000 | 10.4 | 16.3 | 28.2 | 22.3 | 17.4 | 7.8 | 10.3 | 19.5 | 13.8 | 17.8 | 6.5 | 12.4 | 22.7 | 16.5 | 16.3 |
| 50,001 to 100,000 | 27.3 | 18.1 | 28.4 | 20.5 | 15.1 | 18.8 | 12.7 | 18.9 | 16.3 | 15.8 | 23.3 | 17.1 | 20.3 | 10.6 | 11.3 |
| 100,001 to 200,000 | 15.9 | 21.2 | 28.9 | 31.0 | 21.6 | 17.6 | 15.9 | 27.4 | 25.0 | 19.5 | 14.3 | 15.9 | 28.3 | 27.1 | 11.6 |
| 200,001 to 500,000 | 18.5 | 18.3 | 32.9 | 23.4 | 21.9 | 24.5 | 26.2 | 23.5 | 19.8 | 19.0 | 17.1 | 25.8 | 27.0 | 22.2 | 18.2 |
| Over 500,000 | 56.5 | 38.7 | 38.5 | 34.5 | 42.4 | 24.9 | 18.9 | 34.1 | 16.6 | 41.9 | 56.1 | 35.1 | 32.2 | 32.2 | 16.6 |
| Principal Building Activity | | | | | | | | | | | | | | | |
| Education | 15.9 | 16.9 | 20.9 | 15.8 | 20.1 | 14.9 | 9.6 | 25.0 | 17.1 | 10.7 | 5.6 | 12.2 | 21.7 | 14.2 | 16.4 |
| Food Sales | 36.1 | 28.3 | 63.0 | 58.1 | 44.8 | 26.8 | 22.2 | 36.4 | 17.7 | 33.6 | 21.2 | 24.6 | 30.4 | 50.4 | 38.3 |
| Food Service | 32.5 | 35.4 | 40.6 | 31.7 | 29.3 | 34.5 | 17.0 | 34.2 | 21.2 | 27.8 | 41.2 | 33.3 | 34.9 | 20.0 | 30.8 |
| Health Care | 29.2 | 23.2 | 36.0 | 22.1 | 30.2 | 14.5 | 12.5 | 20.3 | 17.3 | 20.2 | 21.9 | 20.5 | 27.2 | 25.7 | 16.7 |
| Inpatient | 25.4 | 27.1 | 39.9 | 28.7 | 31.6 | 17.1 | 16.3 | 24.7 | 31.8 | 24.0 | 21.4 | 24.3 | 29.7 | 46.5 | 14.9 |
| Outpatient | 53.4 | 36.7 | 25.5 | 39.5 | 43.8 | 17.3 | 21.4 | 22.6 | 27.3 | 28.1 | 45.0 | 23.0 | 22.7 | 31.3 | 38.3 |
| Lodging | 23.4 | 35.5 | 45.8 | 25.3 | 42.1 | 17.0 | 15.3 | 33.7 | 15.4 | 32.9 | 17.8 | 31.8 | 62.6 | 21.2 | 30.1 |
| Retail (Other Than Mall) | 38.3 | 19.7 | 38.9 | 25.2 | 35.5 | 22.9 | 16.4 | 26.4 | 18.5 | 21.0 | 18.8 | 10.9 | 22.0 | 12.0 | 37.3 |
| Office | 16.5 | 13.8 | 22.8 | 17.8 | 23.6 | 15.4 | 11.7 | 19.2 | 16.7 | 21.4 | 6.4 | 11.1 | 11.7 | 12.0 | 10.2 |
| Public Assembly | 23.8 | 22.9 | 41.1 | 35.0 | 29.9 | 20.8 | 14.6 | 34.3 | 20.5 | 25.0 | 13.0 | 23.2 | 75.8 | 36.5 | 26.1 |
| Public Order and Safety | 19.3 | 40.9 | 56.5 | 63.4 | 80.4 | 29.4 | 40.8 | 39.9 | 57.9 | 25.2 | 32.8 | 71.8 | 41.5 | 69.2 | 75.3 |
| Religious Worship | 14.8 | 18.2 | 30.5 | 34.7 | 29.0 | 20.8 | 13.2 | 27.9 | 19.8 | 19.4 | 13.2 | 8.8 | 26.5 | 21.8 | 17.4 |
| Service | 28.2 | 23.1 | 49.5 | 33.1 | 51.2 | 22.9 | 20.2 | 29.2 | 24.6 | 30.7 | 12.9 | 22.2 | 34.6 | 18.8 | 45.1 |
| Warehouse and Storage | 42.5 | 20.0 | 38.4 | 36.0 | 23.5 | 26.6 | 23.1 | 16.3 | 23.8 | 34.4 | 35.9 | 18.9 | 36.8 | 29.6 | 27.2 |
| Other | 19.6 | 45.2 | 54.1 | 60.3 | 94.5 | 26.6 | 33.6 | 49.1 | 52.9 | 38.7 | 26.8 | 39.7 | 48.0 | 86.2 | 75.0 |
| Vacant | 55.6 | 39.1 | 56.5 | 67.2 | 89.2 | 33.5 | 32.2 | 33.3 | 40.7 | 31.5 | 41.8 | 31.7 | 43.4 | 61.7 | 94.2 |
| Year Constructed | | | | | | | | | | | | | | | |
| Before 1920 | 20.2 | 17.1 | 52.2 | 46.2 | 91.1 | 22.0 | 17.9 | 38.4 | 21.3 | 65.0 | 32.4 | 14.1 | 40.1 | 35.9 | 21.4 |
| 1920 to 1945 | 18.9 | 22.7 | 30.0 | 23.0 | 50.1 | 24.4 | 23.2 | 24.7 | 20.7 | 35.5 | 22.3 | 24.4 | 38.1 | 19.7 | 28.5 |
| 1946 to 1959 | 24.0 | 15.2 | 32.2 | 17.4 | 30.7 | 18.0 | 14.1 | 20.3 | 14.0 | 29.8 | 17.9 | 12.8 | 29.0 | 17.3 | 27.0 |
| 1960 to 1969 | 22.9 | 18.6 | 24.4 | 19.6 | 28.9 | 16.9 | 14.3 | 34.3 | 16.6 | 20.0 | 15.8 | 18.1 | 31.5 | 17.4 | 20.8 |
| 1970 to 1979 | 17.6 | 17.3 | 31.9 | 15.7 | 25.7 | 16.6 | 17.0 | 23.5 | 15.4 | 16.1 | 12.9 | 14.5 | 23.9 | 11.2 | 17.0 |
| 1980 to 1989 | 22.5 | 23.6 | 33.2 | 19.1 | 13.1 | 18.0 | 11.2 | 18.3 | 16.8 | 15.2 | 8.6 | 19.8 | 25.3 | 12.7 | 16.1 |
| 1990 to 1999 | 19.4 | 22.6 | 26.0 | 21.3 | 16.0 | 18.5 | 18.8 | 22.8 | 14.8 | 17.2 | 10.9 | 17.0 | 15.2 | 23.0 | 12.1 |
| 2000 to 2003 | 30.5 | 24.2 | 38.7 | 29.3 | 33.1 | 27.6 | 17.4 | 20.5 | 19.5 | 23.3 | 21.1 | 21.3 | 21.5 | 15.6 | 36.9 |
| Census Region and Division | | | | | | | | | | | | | | | |
| Northeast | 38.2 | 24.4 | 30.2 | 0.0 | 0.0 | 36.5 | 15.5 | 21.1 | 0.0 | 0.0 | 21.5 | 19.1 | 22.1 | 0.0 | 0.0 |
| New England | 45.9 | 33.2 | 0.0 | 0.0 | 0.0 | 59.5 | 23.3 | 0.0 | 0.0 | 0.0 | 9.1 | 23.8 | 0.0 | 0.0 | 0.0 |
| Middle Atlantic | 56.5 | 35.6 | 30.2 | 0.0 | 0.0 | 46.9 | 21.1 | 21.1 | 0.0 | 0.0 | 41.4 | 28.2 | 22.1 | 0.0 | 0.0 |
| Midwest | 11.3 | 8.5 | 9.9 | 0.0 | 0.0 | 10.2 | 11.8 | 26.5 | 0.0 | 0.0 | 8.4 | 9.1 | 28.3 | 0.0 | 0.0 |
| East North Central | 13.9 | 8.4 | 0.0 | 0.0 | 0.0 | 5.1 | 11.7 | 0.0 | 0.0 | 0.0 | 11.3 | 10.1 | 0.0 | 0.0 | 0.0 |
| West North Central | 17.5 | 44.0 | 9.9 | 0.0 | 0.0 | 20.2 | 50.9 | 26.5 | 0.0 | 0.0 | 4.9 | 12.7 | 28.3 | 0.0 | 0.0 |
| South | 0.0 | 0.0 | 36.0 | 15.3 | 12.8 | 0.0 | 0.0 | 29.1 | 15.8 | 11.5 | 0.0 | 0.0 | 13.8 | 9.6 | 11.1 |
| South Atlantic | 0.0 | 0.0 | 40.2 | 17.4 | 13.0 | 0.0 | 0.0 | 31.4 | 16.3 | 6.4 | 0.0 | 0.0 | 16.3 | 13.2 | 13.0 |
| East South Central | 0.0 | 0.0 | 69.9 | 59.8 | 93.3 | 0.0 | 0.0 | 71.6 | 61.0 | 92.8 | 0.0 | 0.0 | 24.2 | 8.1 | 1.0 |
| West South Central | 0.0 | 0.0 | 95.7 | 12.0 | 20.5 | 0.0 | 0.0 | 97.1 | 17.0 | 18.6 | 0.0 | 0.0 | 2.0 | 24.3 | 16.0 |
| West | 20.6 | 32.7 | 60.9 | 20.1 | 29.9 | 20.7 | 25.1 | 42.3 | 10.9 | 27.6 | 6.8 | 29.3 | 15.8 | 17.3 | 14.0 |
| Mountain | 13.2 | 44.1 | 0.0 | 0.0 | 25.2 | 14.0 | 11.6 | 0.0 | 0.0 | 18.6 | 8.4 | 42.4 | 0.0 | 0.0 | 16.4 |
| Pacific | 90.2 | 44.0 | 60.9 | 20.1 | 100.1 | 87.1 | 51.2 | 42.3 | 10.9 | 98.1 | 2.4 | 14.9 | 15.8 | 17.3 | 100.2 |

RSEs for Table C10. Consumption and Gross Energy Intensity by Climate Zone^a for Non-Mall Buildings, 2003

| | RSEs for Sum of Major Fuel Consumption | | | | | RSEs for Total Floorspace of Buildings | | | | | RSEs for Energy Intensity for Sum of Major Fuels | | | | |
|---|--|--------|--------|--------|--------|--|--------|--------|--------|--------|--|--------|--------|--------|--------|
| | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 |
| All Buildings* | 10.4 | 9.6 | 19.9 | 11.9 | 12.5 | 10.9 | 9.1 | 15.3 | 11.1 | 10.1 | 5.5 | 8.6 | 11.9 | 9.0 | 11.7 |
| Number of Floors | | | | | | | | | | | | | | | |
| One | 14.3 | 12.5 | 23.1 | 14.1 | 13.4 | 12.0 | 14.4 | 22.1 | 14.6 | 13.4 | 5.5 | 11.6 | 18.0 | 7.1 | 15.7 |
| Two | 12.4 | 13.7 | 21.7 | 26.1 | 25.7 | 12.6 | 11.4 | 18.2 | 15.4 | 11.8 | 7.5 | 8.9 | 19.3 | 24.8 | 24.0 |
| Three | 20.8 | 13.5 | 34.1 | 18.9 | 25.5 | 17.4 | 12.0 | 23.5 | 17.5 | 20.3 | 21.3 | 12.2 | 16.4 | 19.5 | 21.4 |
| Four to Nine | 15.3 | 21.3 | 34.9 | 18.2 | 27.8 | 18.9 | 12.8 | 27.9 | 21.6 | 21.2 | 20.2 | 18.9 | 26.8 | 24.1 | 22.1 |
| Ten or More | 35.0 | 49.0 | 36.1 | 30.4 | 43.0 | 46.0 | 23.1 | 24.3 | 37.5 | 43.7 | 27.2 | 44.5 | 25.9 | 20.1 | 17.1 |
| Elevators and Escalators (more than one may apply) | | | | | | | | | | | | | | | |
| Any Elevators | 12.2 | 14.6 | 24.6 | 13.2 | 20.7 | 14.3 | 8.4 | 17.7 | 13.9 | 16.2 | 10.5 | 11.0 | 14.0 | 13.5 | 11.4 |
| Number of Elevators | | | | | | | | | | | | | | | |
| One | 18.2 | 15.7 | 22.4 | 20.7 | 19.3 | 14.2 | 12.2 | 19.2 | 18.8 | 13.0 | 8.8 | 13.5 | 13.7 | 18.5 | 11.5 |
| Two to Five | 12.6 | 17.4 | 32.2 | 18.6 | 24.8 | 20.0 | 14.9 | 18.8 | 19.0 | 24.9 | 16.3 | 13.2 | 19.1 | 24.3 | 22.8 |
| Six or More | 24.2 | 38.3 | 32.9 | 30.0 | 39.1 | 37.9 | 21.7 | 26.9 | 26.3 | 37.2 | 27.3 | 36.6 | 16.3 | 24.6 | 17.1 |
| Any Escalators | 53.1 | 78.1 | 61.6 | 58.9 | 54.1 | 46.0 | 42.2 | 29.4 | 29.4 | 46.6 | 28.6 | 68.0 | 47.2 | 46.0 | 26.7 |
| Number of Workers (main shift) | | | | | | | | | | | | | | | |
| Fewer than 5 | 13.3 | 10.7 | 20.2 | 26.0 | 17.5 | 12.3 | 17.9 | 25.3 | 19.9 | 14.8 | 17.2 | 10.5 | 15.0 | 12.1 | 22.5 |
| 5 to 9 | 19.5 | 19.5 | 26.6 | 23.0 | 22.3 | 19.6 | 15.9 | 25.2 | 16.0 | 12.6 | 16.2 | 12.6 | 23.4 | 14.5 | 19.4 |
| 10 to 19 | 19.3 | 14.3 | 31.5 | 17.0 | 20.1 | 13.8 | 12.5 | 29.8 | 13.2 | 18.7 | 15.9 | 12.8 | 42.5 | 16.2 | 24.5 |
| 20 to 49 | 18.8 | 13.7 | 28.7 | 30.3 | 19.0 | 19.5 | 10.9 | 23.7 | 17.8 | 14.1 | 7.6 | 12.2 | 28.5 | 21.9 | 16.7 |
| 50 to 99 | 17.4 | 16.6 | 35.9 | 24.3 | 15.2 | 22.9 | 11.3 | 25.7 | 19.4 | 13.4 | 11.6 | 10.3 | 18.8 | 17.3 | 12.2 |
| 100 to 249 | 20.3 | 18.7 | 27.9 | 26.2 | 20.4 | 16.4 | 15.0 | 23.0 | 20.1 | 20.0 | 16.1 | 16.1 | 19.7 | 23.7 | 22.8 |
| 250 or More | 32.7 | 27.3 | 29.2 | 20.9 | 33.2 | 32.4 | 13.5 | 23.4 | 21.0 | 28.5 | 11.7 | 23.9 | 15.3 | 19.9 | 14.6 |
| Weekly Operating Hours | | | | | | | | | | | | | | | |
| Fewer than 40 | 20.0 | 17.9 | 21.8 | 25.8 | 29.7 | 17.7 | 19.0 | 28.0 | 21.4 | 17.4 | 22.9 | 12.8 | 13.9 | 18.4 | 28.9 |
| 40 to 48 | 18.7 | 14.3 | 21.6 | 13.9 | 24.0 | 13.9 | 11.9 | 20.7 | 17.6 | 18.1 | 12.9 | 10.1 | 21.4 | 18.8 | 20.2 |
| 49 to 60 | 15.6 | 15.1 | 29.4 | 13.0 | 17.3 | 16.3 | 20.0 | 15.6 | 11.7 | 11.9 | 12.5 | 11.7 | 23.1 | 9.5 | 17.5 |
| 61 to 84 | 15.7 | 14.5 | 22.0 | 17.3 | 22.8 | 13.9 | 11.3 | 21.8 | 16.3 | 14.6 | 15.5 | 11.1 | 15.5 | 15.7 | 19.1 |
| 85 to 167 | 14.2 | 11.2 | 34.5 | 24.4 | 22.9 | 16.3 | 15.1 | 26.0 | 20.1 | 24.1 | 13.3 | 12.9 | 17.0 | 18.8 | 29.5 |
| Open Continuously | 19.4 | 21.4 | 27.7 | 22.5 | 29.4 | 15.0 | 12.0 | 16.1 | 14.3 | 22.6 | 11.9 | 16.8 | 20.3 | 20.2 | 15.8 |
| Ownership and Occupancy | | | | | | | | | | | | | | | |
| Nongovernment Owned | 11.6 | 11.7 | 18.6 | 11.9 | 13.5 | 12.4 | 9.1 | 14.1 | 11.2 | 10.9 | 7.3 | 10.1 | 13.7 | 9.9 | 13.2 |
| Owner Occupied | 13.6 | 13.3 | 18.0 | 17.1 | 16.1 | 16.1 | 10.8 | 14.3 | 13.0 | 14.3 | 11.4 | 11.2 | 13.5 | 10.4 | 9.9 |
| Nonowner Occupied | 13.5 | 19.5 | 25.9 | 14.8 | 18.1 | 11.8 | 12.1 | 16.4 | 13.2 | 12.8 | 4.7 | 15.7 | 19.3 | 14.2 | 18.9 |
| Unoccupied | 68.7 | 40.9 | 94.9 | 67.2 | 100.1 | 34.1 | 32.9 | 37.3 | 47.4 | 34.4 | 42.0 | 27.3 | 83.5 | 61.7 | 92.9 |
| Government Owned | 12.5 | 13.3 | 33.3 | 16.3 | 20.7 | 8.8 | 13.1 | 22.3 | 19.0 | 13.6 | 11.1 | 11.5 | 24.2 | 15.5 | 14.7 |
| Federal | 53.7 | 37.2 | 52.6 | 34.1 | 41.8 | 40.1 | 46.9 | 55.1 | 32.1 | 32.8 | 48.4 | 42.8 | 22.2 | 18.2 | 25.0 |
| State | 28.0 | 27.1 | 40.5 | 38.8 | 66.4 | 29.5 | 20.1 | 32.5 | 30.3 | 50.2 | 31.7 | 25.7 | 25.3 | 45.1 | 35.6 |
| Local | 13.9 | 16.9 | 35.2 | 26.1 | 17.8 | 11.8 | 10.9 | 25.2 | 23.4 | 9.4 | 10.4 | 11.8 | 27.1 | 21.3 | 15.1 |
| Vacancy Status | | | | | | | | | | | | | | | |
| Completely Vacant | 57.2 | 44.7 | 66.7 | 67.2 | 100.1 | 36.8 | 33.1 | 32.7 | 46.2 | 32.4 | 48.5 | 28.7 | 64.2 | 62.0 | 90.0 |
| Mostly Vacant | 56.7 | 77.1 | 85.2 | X | 100.9 | 51.4 | 67.2 | 81.4 | 60.6 | 76.7 | 51.3 | 69.5 | 19.6 | X | 108.9 |
| Partially Vacant | 26.8 | 13.7 | 27.7 | 19.8 | 30.1 | 18.6 | 11.5 | 18.9 | 15.7 | 22.5 | 19.2 | 13.9 | 19.7 | 11.3 | 14.0 |
| Not At All Vacant | 11.9 | 11.3 | 20.1 | 13.4 | 10.5 | 11.0 | 8.5 | 16.1 | 11.8 | 10.5 | 5.6 | 9.0 | 14.1 | 8.8 | 11.3 |
| Number of Establishments | | | | | | | | | | | | | | | |
| One | 10.4 | 10.4 | 21.6 | 13.6 | 10.7 | 10.3 | 10.7 | 17.9 | 12.3 | 11.2 | 5.1 | 9.8 | 17.0 | 8.2 | 11.3 |
| 2 to 5 | 19.1 | 15.3 | 26.1 | 16.5 | 24.1 | 19.9 | 11.1 | 17.6 | 13.6 | 17.4 | 11.6 | 14.9 | 18.1 | 14.2 | 21.9 |
| 6 to 10 | 26.8 | 32.3 | 26.1 | 33.3 | 36.5 | 21.1 | 18.8 | 26.3 | 24.8 | 32.7 | 18.0 | 21.8 | 16.0 | 26.6 | 34.4 |
| 11 to 20 | 57.2 | 27.3 | 31.6 | 45.2 | 22.9 | 57.6 | 17.8 | 33.4 | 21.8 | 17.7 | 50.6 | 17.6 | 24.3 | 30.7 | 11.8 |
| More than 20 | 67.2 | 48.1 | 40.7 | 44.0 | 32.6 | 20.0 | 30.4 | 41.0 | 22.6 | 25.4 | 72.2 | 46.3 | 47.3 | 37.6 | 16.3 |
| Currently Unoccupied | 57.2 | 44.7 | 66.7 | 67.2 | 100.1 | 36.8 | 33.1 | 32.7 | 46.2 | 32.4 | 48.5 | 28.7 | 64.2 | 62.0 | 90.0 |

RSEs for Table C10. Consumption and Gross Energy Intensity by Climate Zone^a for Non-Mall Buildings, 2003

| | RSEs for Sum of Major Fuel Consumption | | | | | RSEs for Total Floorspace of Buildings | | | | | RSEs for Energy Intensity for Sum of Major Fuels | | | | |
|---|--|--------|--------|--------|--------|--|--------|--------|--------|--------|--|--------|--------|--------|--------|
| | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 |
| All Buildings* | 10.4 | 9.6 | 19.9 | 11.9 | 12.5 | 10.9 | 9.1 | 15.3 | 11.1 | 10.1 | 5.5 | 8.6 | 11.9 | 9.0 | 11.7 |
| Predominant Exterior Wall Material | | | | | | | | | | | | | | | |
| Brick, Stone or Stucco | 14.3 | 10.2 | 20.8 | 13.2 | 12.8 | 10.7 | 10.0 | 17.9 | 13.1 | 14.7 | 10.8 | 9.1 | 15.7 | 6.6 | 9.4 |
| Concrete (Block or Poured) | 19.0 | 18.4 | 27.8 | 23.1 | 13.9 | 21.1 | 15.6 | 17.1 | 14.0 | 12.0 | 12.7 | 15.2 | 24.3 | 16.3 | 12.7 |
| Concrete Panels | 30.6 | 49.7 | 42.7 | 17.2 | 29.7 | 17.5 | 29.5 | 30.6 | 23.4 | 17.8 | 21.7 | 35.7 | 26.9 | 25.7 | 31.8 |
| Siding or Shingles | 24.0 | 17.0 | 28.0 | 32.8 | 52.8 | 24.0 | 15.0 | 31.1 | 23.5 | 19.8 | 10.8 | 20.1 | 24.8 | 36.8 | 40.0 |
| Metal Panels | 28.3 | 27.1 | 39.5 | 29.4 | 29.4 | 18.7 | 19.3 | 26.9 | 21.5 | 23.8 | 14.0 | 16.8 | 28.2 | 33.6 | 30.0 |
| Window Glass | 71.8 | 59.8 | 49.4 | 38.8 | 49.1 | 69.4 | 43.4 | 36.5 | 32.1 | 27.3 | 171.3 | 54.4 | 37.0 | 58.2 | 32.8 |
| Other | 63.4 | 57.9 | 57.0 | 47.4 | 59.2 | 50.3 | 27.8 | 37.0 | 39.9 | 54.1 | 32.1 | 50.3 | 36.3 | 25.2 | 5.6 |
| No One Major Type | 23.1 | 71.7 | X | 101.1 | 58.3 | 25.9 | 53.4 | 55.0 | 58.9 | 54.6 | 25.4 | 35.8 | X | 79.7 | 46.2 |
| Predominant Roof Material | | | | | | | | | | | | | | | |
| Built-Up | 12.3 | 17.1 | 22.9 | 13.0 | 22.4 | 16.2 | 7.8 | 17.8 | 9.7 | 12.1 | 12.4 | 15.6 | 15.7 | 9.6 | 16.4 |
| Shingles (Not Wood) | 16.7 | 13.1 | 34.3 | 25.0 | 27.2 | 12.6 | 9.3 | 21.9 | 17.2 | 16.3 | 9.7 | 12.7 | 23.2 | 20.0 | 20.7 |
| Metal Surfacing | 22.1 | 14.4 | 26.7 | 20.9 | 20.5 | 16.5 | 21.5 | 28.3 | 21.7 | 26.4 | 12.8 | 14.1 | 14.3 | 19.3 | 20.6 |
| Synthetic or Rubber | 16.7 | 14.4 | 25.5 | 17.8 | 24.3 | 11.4 | 11.1 | 18.7 | 22.7 | 19.0 | 8.6 | 10.7 | 14.8 | 21.8 | 15.5 |
| Slate or Tile | 28.3 | 26.7 | 45.3 | 26.3 | 27.3 | 29.3 | 16.5 | 27.0 | 24.2 | 23.2 | 8.7 | 31.5 | 22.9 | 26.8 | 25.2 |
| Wooden Materials | 59.1 | 47.6 | 64.6 | 25.5 | 23.8 | 53.3 | 28.2 | 40.6 | 31.5 | 32.6 | 50.6 | 29.2 | 53.0 | 30.3 | 44.2 |
| Concrete | 60.9 | 72.8 | 62.5 | 50.4 | 65.8 | 67.2 | 72.3 | 83.1 | 30.2 | 41.6 | 43.4 | 87.7 | 467.0 | 41.2 | 44.8 |
| Other | 57.9 | 51.0 | 62.8 | 64.7 | 68.9 | 40.1 | 44.7 | 46.0 | 66.6 | 65.6 | 31.1 | 59.7 | 39.3 | 184.1 | 59.5 |
| No One Major Type | 58.9 | 47.1 | 51.1 | 98.0 | 97.0 | 62.6 | 47.6 | 51.7 | 35.1 | 62.4 | 28.9 | 43.3 | 18.2 | 107.4 | 36.6 |
| Renovations in Buildings Constructed Before 1980 (more than one may apply) | | | | | | | | | | | | | | | |
| Any Type of Renovation | 14.1 | 10.6 | 22.6 | 15.8 | 26.1 | 16.0 | 11.4 | 16.6 | 13.2 | 18.3 | 11.9 | 6.7 | 15.6 | 12.4 | 18.8 |
| Addition or Annex | 18.7 | 16.9 | 32.4 | 28.0 | 33.3 | 22.8 | 14.8 | 24.8 | 15.3 | 20.6 | 14.6 | 10.2 | 33.3 | 23.4 | 21.1 |
| Reduction In Floorspace | 50.7 | 43.6 | 45.9 | 79.3 | X | 49.4 | 39.4 | 31.5 | 57.7 | 63.1 | 21.2 | 23.8 | 34.0 | 84.2 | X |
| Cosmetic Improvements | 14.9 | 13.7 | 24.0 | 15.5 | 31.0 | 12.6 | 14.0 | 16.3 | 16.2 | 20.5 | 12.6 | 8.6 | 17.3 | 13.7 | 23.9 |
| Wall or Roof Replacement | 18.2 | 20.5 | 25.0 | 23.5 | 38.8 | 12.6 | 15.0 | 17.2 | 21.3 | 24.4 | 16.8 | 11.0 | 21.7 | 16.5 | 16.1 |
| Interior Wall | | | | | | | | | | | | | | | |
| Re-Configuration | 13.2 | 14.4 | 22.6 | 18.8 | 33.1 | 13.4 | 14.6 | 15.6 | 17.1 | 21.8 | 12.2 | 8.2 | 19.7 | 15.8 | 18.1 |
| HVAC Equipment Upgrade | 12.1 | 15.3 | 22.3 | 17.6 | 37.2 | 10.8 | 14.2 | 16.9 | 12.6 | 28.6 | 10.7 | 9.1 | 18.2 | 15.8 | 12.4 |
| Lighting Upgrade | 14.6 | 13.4 | 29.3 | 17.1 | 42.0 | 13.5 | 14.6 | 19.5 | 17.8 | 28.4 | 11.0 | 10.0 | 16.6 | 14.7 | 19.3 |
| Window Replacement | 24.2 | 15.1 | 23.7 | 19.6 | 35.0 | 16.4 | 15.0 | 18.3 | 20.8 | 19.8 | 17.9 | 12.6 | 27.9 | 19.4 | 29.5 |
| Plumbing System Upgrade | 18.5 | 19.0 | 26.1 | 19.5 | 41.6 | 14.0 | 16.5 | 18.2 | 20.9 | 30.0 | 14.1 | 8.9 | 29.0 | 19.7 | 14.3 |
| Insulation Upgrade | 21.2 | 18.7 | 30.0 | 24.4 | 40.0 | 19.9 | 19.3 | 26.6 | 26.4 | 30.6 | 16.9 | 16.6 | 21.4 | 28.1 | 35.0 |
| Other Renovation | 73.0 | 45.8 | 57.9 | 70.8 | 0.0 | 49.9 | 36.1 | 40.3 | 65.8 | 0.0 | 49.0 | 34.5 | 60.0 | 163.0 | 0.0 |
| No Renovations Since 1980 | 12.3 | 12.5 | 34.4 | 14.6 | 23.1 | 13.5 | 13.8 | 20.5 | 12.6 | 16.8 | 4.1 | 14.9 | 27.1 | 13.9 | 17.4 |
| Building Newer than 1980 | 17.3 | 15.6 | 22.7 | 16.0 | 13.9 | 16.0 | 10.6 | 16.5 | 13.4 | 16.0 | 6.5 | 11.8 | 14.3 | 11.1 | 13.7 |
| Energy Sources (more than one may apply) | | | | | | | | | | | | | | | |
| Electricity | 10.8 | 9.9 | 19.5 | 12.2 | 12.0 | 11.3 | 11.3 | 15.6 | 11.0 | 9.4 | 5.3 | 9.1 | 11.2 | 7.7 | 5.9 |
| Natural Gas | 12.0 | 10.3 | 20.9 | 14.4 | 22.2 | 12.2 | 7.1 | 16.3 | 12.9 | 21.5 | 3.5 | 7.6 | 12.1 | 9.6 | 7.4 |
| Fuel Oil | 17.9 | 21.0 | 24.0 | 17.6 | 20.5 | 21.4 | 14.7 | 24.9 | 13.9 | 29.9 | 9.7 | 15.3 | 9.1 | 11.5 | 14.7 |
| District Heat | 26.9 | 39.1 | 38.9 | 46.5 | 83.6 | 22.1 | 31.4 | 28.0 | 28.4 | 41.1 | 31.0 | 45.9 | 26.7 | 44.5 | 87.9 |
| District Chilled Water | 44.2 | 40.2 | 49.9 | 51.0 | 40.5 | 39.2 | 23.0 | 28.9 | 27.8 | 32.5 | 20.7 | 49.0 | 42.7 | 45.9 | 41.8 |
| Propane | 33.6 | 25.5 | 43.3 | 28.7 | 20.6 | 30.2 | 37.4 | 39.5 | 16.0 | 22.1 | 20.7 | 19.6 | 32.8 | 26.5 | 22.3 |
| Other | 43.2 | 36.1 | 33.7 | 65.0 | 100.0 | 33.1 | 18.2 | 29.6 | 28.9 | 45.2 | 17.7 | 26.1 | 26.7 | 48.9 | 104.7 |

RSEs for Table C10. Consumption and Gross Energy Intensity by Climate Zone^a for Non-Mall Buildings, 2003

| | RSEs for Sum of Major Fuel Consumption | | | | | RSEs for Total Floorspace of Buildings | | | | | RSEs for Energy Intensity for Sum of Major Fuels | | | | |
|---|--|--------|--------|--------|--------|--|--------|--------|--------|--------|--|--------|--------|--------|--------|
| | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 |
| All Buildings* | 10.4 | 9.6 | 19.9 | 11.9 | 12.5 | 10.9 | 9.1 | 15.3 | 11.1 | 10.1 | 5.5 | 8.6 | 11.9 | 9.0 | 11.7 |
| Space-Heating Energy Sources (more than one may apply) | | | | | | | | | | | | | | | |
| Electricity | 13.5 | 19.3 | 20.8 | 14.7 | 11.3 | 13.1 | 11.9 | 19.2 | 14.9 | 13.1 | 9.1 | 13.1 | 14.6 | 11.3 | 11.8 |
| Natural Gas | 12.0 | 10.8 | 21.6 | 14.4 | 27.8 | 13.3 | 6.7 | 19.2 | 12.7 | 19.9 | 6.7 | 8.6 | 12.7 | 8.8 | 10.3 |
| Fuel Oil | 24.6 | 27.2 | 25.5 | 28.7 | 64.8 | 24.4 | 29.5 | 38.8 | 27.3 | 47.6 | 11.3 | 13.4 | 64.8 | 26.7 | 30.0 |
| District Heat | 26.9 | 39.1 | 38.9 | 46.5 | 83.6 | 21.6 | 31.8 | 29.0 | 29.5 | 46.1 | 30.3 | 46.0 | 26.7 | 46.6 | 89.5 |
| Propane | 35.9 | 34.9 | 61.3 | 56.2 | 19.3 | 36.4 | 32.0 | 55.2 | 19.4 | 15.2 | 39.3 | 26.0 | 16.1 | 51.6 | 11.9 |
| Other | 50.0 | 34.8 | 52.8 | 88.8 | X | 38.7 | 32.6 | 47.3 | 45.7 | 86.9 | 15.4 | 15.3 | 30.7 | 57.8 | X |
| Primary Space-Heating Energy Source | | | | | | | | | | | | | | | |
| Electricity | 14.3 | 23.5 | 25.4 | 18.4 | 11.6 | 14.9 | 18.6 | 26.9 | 18.9 | 13.4 | 14.6 | 12.7 | 20.4 | 7.6 | 12.8 |
| Natural Gas | 12.3 | 10.8 | 21.9 | 15.3 | 26.8 | 13.1 | 6.8 | 19.2 | 13.5 | 21.4 | 7.1 | 8.9 | 12.3 | 9.4 | 9.2 |
| Fuel Oil | 36.6 | 27.4 | 41.2 | 37.7 | X | 38.7 | 34.7 | 45.6 | 38.0 | 100.2 | 15.0 | 16.9 | 120.6 | 30.7 | X |
| District Heat | 24.3 | 40.3 | 38.9 | 51.7 | 83.6 | 20.1 | 33.3 | 29.1 | 30.3 | 51.1 | 32.9 | 47.3 | 26.4 | 52.4 | 90.7 |
| Propane | 35.0 | 30.5 | 60.7 | 68.6 | 61.5 | 42.3 | 34.9 | 55.9 | 31.0 | 58.1 | 11.3 | 25.1 | 12.7 | 65.5 | 22.7 |
| Other | 82.7 | 53.4 | 83.4 | 65.2 | 0.0 | 46.7 | 36.9 | 56.3 | 49.2 | 0.0 | 70.4 | 20.0 | 54.3 | 41.6 | 0.0 |
| Cooling Energy Sources (more than one may apply) | | | | | | | | | | | | | | | |
| Electricity | 11.9 | 10.9 | 20.0 | 12.7 | 12.5 | 11.7 | 7.8 | 15.5 | 10.1 | 10.9 | 5.9 | 7.7 | 11.5 | 8.5 | 10.0 |
| Natural Gas | 44.4 | 31.3 | 43.9 | 75.4 | 74.8 | 42.9 | 27.5 | 136.6 | 52.0 | 41.9 | 62.0 | 19.9 | 127.7 | 102.7 | 71.0 |
| District Chilled Water | 44.2 | 40.2 | 49.9 | 51.0 | 40.5 | 39.2 | 23.0 | 28.9 | 27.8 | 32.5 | 20.7 | 49.0 | 42.7 | 45.9 | 41.8 |
| Water-Heating Energy Sources (more than one may apply) | | | | | | | | | | | | | | | |
| Electricity | 10.5 | 12.4 | 22.5 | 14.3 | 13.8 | 13.9 | 12.3 | 17.5 | 15.2 | 12.5 | 12.6 | 9.7 | 15.5 | 13.6 | 13.7 |
| Natural Gas | 12.9 | 12.1 | 21.9 | 14.9 | 22.0 | 14.2 | 7.5 | 18.4 | 10.6 | 17.5 | 7.4 | 9.6 | 16.0 | 9.6 | 12.5 |
| Fuel Oil | 44.1 | 31.0 | 42.8 | 48.5 | 101.6 | 29.7 | 25.6 | 36.7 | 48.1 | 70.5 | 14.0 | 22.5 | 94.0 | 15.4 | 27.3 |
| District Heat | 24.2 | 43.5 | 41.1 | 47.5 | 98.8 | 22.0 | 27.2 | 30.3 | 35.9 | 38.6 | 24.5 | 43.4 | 27.5 | 52.1 | 61.2 |
| Propane | 45.3 | 48.0 | 59.3 | 67.8 | 57.6 | 37.1 | 43.2 | 54.7 | 38.8 | 55.7 | 22.7 | 22.6 | 8.9 | 62.3 | 21.8 |
| Cooking Energy Sources (more than one may apply) | | | | | | | | | | | | | | | |
| Electricity | 14.1 | 21.6 | 22.5 | 30.4 | 16.0 | 15.1 | 11.2 | 19.7 | 20.2 | 20.8 | 13.2 | 15.3 | 18.7 | 20.3 | 11.5 |
| Natural Gas | 20.0 | 15.6 | 31.4 | 24.7 | 19.4 | 17.7 | 10.2 | 26.0 | 15.6 | 18.4 | 14.1 | 11.6 | 28.9 | 16.1 | 13.6 |
| Propane | 45.9 | 26.4 | 60.4 | 56.6 | 33.1 | 39.3 | 25.1 | 47.7 | 28.7 | 42.3 | 22.5 | 14.4 | 31.8 | 50.4 | 38.9 |
| Energy End Uses (more than one may apply) | | | | | | | | | | | | | | | |
| Buildings with Space Heating | 10.4 | 9.5 | 20.0 | 12.3 | 12.8 | 10.6 | 9.0 | 15.3 | 11.0 | 10.5 | 5.1 | 8.6 | 11.7 | 9.1 | 10.7 |
| Buildings with Cooling | 11.3 | 10.3 | 20.1 | 12.0 | 12.6 | 11.3 | 7.7 | 15.4 | 10.8 | 10.3 | 4.2 | 7.5 | 11.2 | 8.9 | 10.8 |
| Buildings with Water Heating | 10.4 | 9.7 | 19.9 | 12.1 | 13.2 | 10.5 | 7.9 | 15.3 | 11.0 | 10.4 | 4.7 | 7.6 | 12.1 | 8.8 | 10.2 |
| Buildings with Cooking | 16.2 | 14.5 | 26.6 | 22.7 | 17.4 | 13.4 | 9.4 | 22.4 | 15.3 | 17.8 | 8.9 | 10.3 | 23.3 | 14.2 | 10.0 |
| Buildings with Manufacturing | 44.2 | 30.5 | 40.6 | 37.6 | 48.6 | 36.8 | 29.5 | 21.6 | 28.3 | 39.2 | 36.3 | 29.2 | 29.7 | 33.4 | 52.1 |
| Buildings with Electricity Generation | 16.0 | 20.5 | 22.6 | 15.4 | 16.3 | 19.1 | 11.2 | 20.3 | 17.4 | 18.4 | 9.3 | 15.9 | 16.5 | 15.8 | 13.8 |
| Percent of Floorspace Heated | | | | | | | | | | | | | | | |
| Not Heated | 39.0 | 26.9 | 33.0 | 23.3 | 21.0 | 23.8 | 14.1 | 45.3 | 15.7 | 14.8 | 36.6 | 23.6 | 40.9 | 18.3 | 16.6 |
| 1 to 50 | 36.8 | 35.3 | 37.1 | 30.4 | 34.5 | 28.1 | 25.0 | 29.7 | 14.8 | 33.6 | 31.0 | 20.4 | 18.0 | 35.8 | 25.4 |
| 51 to 99 | 22.1 | 19.8 | 27.5 | 17.3 | 22.8 | 20.2 | 15.2 | 25.4 | 15.0 | 17.4 | 10.4 | 17.4 | 13.6 | 11.3 | 14.3 |
| 100 | 12.7 | 10.6 | 21.0 | 12.8 | 15.9 | 10.1 | 9.8 | 16.8 | 12.8 | 12.9 | 5.7 | 9.7 | 15.0 | 8.6 | 10.6 |

RSEs for Table C10. Consumption and Gross Energy Intensity by Climate Zone^a for Non-Mall Buildings, 2003

| | RSEs for Sum of Major Fuel Consumption | | | | | RSEs for Total Floorspace of Buildings | | | | | RSEs for Energy Intensity for Sum of Major Fuels | | | | |
|---|--|--------|--------|--------|--------|--|--------|--------|--------|--------|--|--------|--------|--------|--------|
| | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 |
| All Buildings* | 10.4 | 9.6 | 19.9 | 11.9 | 12.5 | 10.9 | 9.1 | 15.3 | 11.1 | 10.1 | 5.5 | 8.6 | 11.9 | 9.0 | 11.7 |
| Percent of Floorspace Cooled | | | | | | | | | | | | | | | |
| Not Cooled | 20.2 | 20.1 | 38.7 | 22.9 | 22.2 | 18.1 | 17.3 | 36.5 | 16.6 | 17.3 | 24.6 | 17.9 | 38.0 | 18.3 | 17.3 |
| 1 to 50 | 23.3 | 12.3 | 25.1 | 22.4 | 29.7 | 16.5 | 13.8 | 15.0 | 16.8 | 28.1 | 10.3 | 10.3 | 24.3 | 20.8 | 30.1 |
| 51 to 99 | 16.6 | 16.2 | 22.7 | 17.5 | 18.5 | 16.0 | 12.7 | 19.7 | 14.9 | 18.0 | 11.2 | 12.5 | 15.6 | 8.1 | 13.2 |
| 100 | 19.2 | 14.6 | 25.4 | 13.4 | 15.5 | 13.5 | 8.3 | 19.0 | 13.3 | 12.1 | 7.5 | 10.5 | 11.6 | 10.2 | 9.4 |
| Percent Lit When Open | | | | | | | | | | | | | | | |
| Zero | 66.3 | X | 96.0 | 62.0 | 52.6 | 60.3 | 54.8 | 84.2 | 60.6 | 44.1 | 43.5 | X | 459.7 | 36.6 | 32.0 |
| 1 to 50 | 14.6 | 16.8 | 24.4 | 24.9 | 32.3 | 20.0 | 16.7 | 17.6 | 13.7 | 28.1 | 21.0 | 16.0 | 21.3 | 16.5 | 33.6 |
| 51 to 99 | 13.3 | 14.5 | 22.3 | 12.7 | 17.8 | 13.0 | 10.3 | 16.4 | 13.8 | 13.8 | 7.5 | 7.2 | 14.8 | 8.9 | 14.0 |
| 100 | 13.1 | 13.4 | 22.9 | 12.7 | 13.8 | 10.9 | 10.1 | 17.1 | 11.8 | 10.6 | 5.6 | 13.2 | 17.0 | 11.3 | 11.3 |
| Building Never Open/ Electricity Not Used | 30.2 | 37.9 | 66.7 | 59.8 | 100.1 | 25.3 | 28.3 | 28.1 | 31.9 | 25.9 | 18.6 | 29.7 | 69.5 | 52.4 | 75.4 |
| Percent Lit When Closed | | | | | | | | | | | | | | | |
| Zero | 11.5 | 11.5 | 13.5 | 14.7 | 16.0 | 11.6 | 14.4 | 15.6 | 14.3 | 14.9 | 9.0 | 15.7 | 12.8 | 11.2 | 20.9 |
| 1 to 50 | 11.6 | 9.6 | 23.7 | 10.3 | 13.6 | 13.2 | 8.4 | 18.2 | 11.5 | 10.2 | 7.9 | 8.3 | 16.4 | 9.6 | 12.2 |
| 51 to 100 | 41.0 | 39.3 | 35.8 | 47.0 | 42.4 | 32.1 | 46.0 | 24.1 | 29.0 | 19.1 | 33.1 | 33.8 | 35.9 | 52.1 | 30.8 |
| Building Never Closed/ Electricity Not Used | 19.4 | 21.4 | 27.7 | 22.5 | 29.4 | 14.8 | 12.3 | 16.0 | 14.2 | 17.9 | 11.6 | 17.4 | 20.1 | 20.6 | 20.7 |
| Heating Equipment (more than one may apply) | | | | | | | | | | | | | | | |
| Heat Pumps | 28.4 | 40.2 | 36.0 | 20.0 | 17.4 | 28.7 | 21.8 | 24.2 | 16.2 | 16.6 | 16.8 | 32.7 | 18.7 | 19.1 | 24.9 |
| Packaged Heat Pumps | 25.4 | 51.2 | 43.5 | 16.1 | 23.1 | 23.4 | 25.4 | 27.4 | 10.4 | 14.4 | 25.2 | 42.6 | 27.4 | 9.7 | 30.1 |
| Split-System Heat Pumps | 42.2 | 34.8 | 57.9 | 31.1 | 32.6 | 50.3 | 29.3 | 32.3 | 35.3 | 21.0 | 22.6 | 23.7 | 42.2 | 37.1 | 26.3 |
| Individual Room Heat Pumps | 39.5 | 49.1 | 39.2 | 31.1 | 45.7 | 40.0 | 27.5 | 32.7 | 20.6 | 37.5 | 27.4 | 45.6 | 29.8 | 22.4 | 36.7 |
| Furnaces | 12.0 | 12.7 | 15.7 | 16.5 | 25.2 | 13.2 | 10.5 | 16.0 | 16.3 | 16.6 | 8.1 | 9.2 | 15.1 | 12.1 | 18.9 |
| Individual Space Heaters | 16.6 | 18.3 | 27.8 | 17.4 | 28.5 | 14.2 | 14.6 | 19.0 | 19.3 | 21.5 | 12.7 | 12.0 | 20.3 | 15.7 | 17.8 |
| District Heat | 26.9 | 39.1 | 38.9 | 46.5 | 83.6 | 20.7 | 33.2 | 29.5 | 46.1 | 29.0 | 45.2 | 26.5 | 46.6 | 89.5 | |
| Boilers | 14.4 | 13.1 | 29.4 | 17.8 | 25.4 | 12.7 | 8.0 | 24.5 | 17.9 | 20.7 | 7.8 | 11.2 | 24.4 | 15.4 | 12.0 |
| Packaged Heating Units | 17.7 | 15.9 | 19.7 | 17.0 | 17.1 | 16.2 | 13.7 | 17.6 | 12.3 | 13.4 | 8.2 | 10.7 | 9.1 | 9.3 | 14.4 |
| Other | 26.9 | 27.2 | 38.2 | 25.2 | 35.0 | 23.1 | 24.2 | 29.2 | 33.6 | 27.2 | 10.3 | 22.1 | 17.2 | 28.5 | 26.7 |
| Cooling Equipment (more than one may apply) | | | | | | | | | | | | | | | |
| Residential-Type Central | | | | | | | | | | | | | | | |
| Air Conditioners | 12.6 | 15.1 | 31.3 | 34.9 | 20.5 | 15.6 | 11.4 | 19.6 | 18.4 | 22.3 | 8.0 | 13.0 | 32.6 | 27.0 | 23.9 |
| Heat Pumps | 26.9 | 39.5 | 35.1 | 19.4 | 16.4 | 28.8 | 21.7 | 23.5 | 17.8 | 19.1 | 15.2 | 32.4 | 20.0 | 19.6 | 25.4 |
| Packaged Heat Pumps | 24.6 | 50.6 | 40.6 | 16.9 | 24.1 | 24.7 | 25.9 | 26.4 | 10.7 | 18.6 | 24.0 | 42.6 | 26.0 | 11.1 | 32.1 |
| Split-System Heat Pumps | 45.9 | 32.7 | 59.1 | 31.0 | 32.7 | 48.6 | 27.1 | 31.6 | 35.6 | 23.0 | 34.7 | 21.7 | 44.4 | 34.2 | 24.2 |
| Individual Room Heat Pumps | 37.4 | 49.1 | 39.2 | 27.9 | 45.7 | 37.8 | 26.7 | 29.3 | 24.2 | 35.5 | 25.2 | 45.5 | 27.0 | 20.5 | 37.8 |
| Individual Air Conditioners | 15.6 | 11.3 | 24.2 | 23.1 | 31.5 | 13.3 | 11.2 | 25.5 | 14.7 | 20.4 | 8.2 | 10.4 | 26.6 | 21.7 | 26.0 |
| District Chilled Water | 44.2 | 40.2 | 49.9 | 51.0 | 40.5 | 39.2 | 23.0 | 28.9 | 27.8 | 32.5 | 20.7 | 49.0 | 42.7 | 45.9 | 41.8 |
| Central Chillers | 13.7 | 20.2 | 31.7 | 21.9 | 19.3 | 18.6 | 12.5 | 24.4 | 21.6 | 17.0 | 13.5 | 15.8 | 12.0 | 20.4 | 8.0 |
| Packaged Air Conditioning Units | 13.3 | 11.9 | 19.5 | 12.8 | 17.1 | 12.4 | 10.3 | 16.1 | 12.5 | 13.3 | 6.7 | 8.5 | 16.1 | 9.2 | 11.4 |
| Swamp Coolers | 24.7 | 28.2 | 81.2 | 28.4 | 77.6 | 26.1 | 35.6 | 48.7 | 27.0 | 55.7 | 7.3 | 13.0 | 41.7 | 29.5 | 98.2 |
| Other | 33.9 | 31.8 | 55.6 | 54.4 | 35.4 | 46.5 | 29.1 | 36.8 | 60.7 | 35.9 | 27.5 | 31.8 | 21.6 | 185.1 | 17.2 |
| Main Equipment Replaced Since 1990 (more than one may apply) | | | | | | | | | | | | | | | |
| Heating | 14.1 | 19.3 | 23.7 | 13.3 | 31.7 | 14.6 | 10.8 | 18.3 | 13.3 | 18.7 | 13.1 | 15.9 | 17.9 | 10.9 | 16.8 |
| Cooling | 13.6 | 15.8 | 24.5 | 13.3 | 22.5 | 12.6 | 10.9 | 16.7 | 11.7 | 14.9 | 9.1 | 11.8 | 14.6 | 15.8 | 13.9 |

RSEs for Table C10. Consumption and Gross Energy Intensity by Climate Zone^a for Non-Mall Buildings, 2003

| | RSEs for Sum of Major Fuel Consumption | | | | | RSEs for Total Floorspace of Buildings | | | | | RSEs for Energy Intensity for Sum of Major Fuels | | | | |
|--|--|--------|--------|--------|--------|--|--------|--------|--------|--------|--|--------|--------|--------|--------|
| | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 |
| All Buildings* | 10.4 | 9.6 | 19.9 | 11.9 | 12.5 | 10.9 | 9.1 | 15.3 | 11.1 | 10.1 | 5.5 | 8.6 | 11.9 | 9.0 | 11.7 |
| Water Heating Equipment | | | | | | | | | | | | | | | |
| Centralized System | 11.4 | 10.2 | 18.4 | 15.0 | 17.4 | 10.1 | 7.4 | 15.3 | 12.3 | 14.8 | 5.4 | 7.8 | 10.9 | 9.8 | 11.8 |
| Distributed System | 12.4 | 27.8 | 24.9 | 17.6 | 14.0 | 21.7 | 20.5 | 26.5 | 14.8 | 9.6 | 21.0 | 18.8 | 29.0 | 17.5 | 14.6 |
| Combination of Centralized and Distributed System | 18.0 | 23.6 | 30.2 | 15.6 | 19.2 | 16.5 | 10.8 | 22.9 | 14.6 | 22.0 | 6.1 | 17.7 | 18.4 | 12.8 | 22.7 |
| Lighting Equipment Types (more than one may apply) | | | | | | | | | | | | | | | |
| Incandescent | 10.6 | 11.6 | 21.8 | 13.7 | 16.3 | 10.9 | 7.8 | 17.1 | 12.8 | 13.2 | 6.8 | 9.9 | 16.8 | 11.4 | 11.5 |
| Standard Fluorescent | 10.6 | 9.4 | 20.0 | 11.6 | 13.1 | 11.1 | 8.7 | 15.5 | 10.6 | 10.7 | 4.6 | 8.9 | 12.0 | 8.8 | 11.5 |
| Compact Fluorescent | 13.6 | 14.6 | 22.1 | 14.8 | 15.6 | 12.7 | 9.8 | 17.1 | 11.2 | 16.1 | 7.5 | 12.1 | 12.6 | 10.7 | 9.9 |
| High Intensity Discharge | 12.9 | 12.2 | 22.8 | 15.9 | 12.5 | 12.8 | 13.0 | 18.1 | 11.1 | 13.2 | 5.9 | 13.0 | 10.0 | 13.2 | 13.0 |
| Halogen | 19.1 | 10.0 | 23.9 | 19.7 | 13.3 | 15.9 | 10.2 | 16.7 | 13.5 | 14.8 | 10.6 | 7.1 | 16.1 | 15.3 | 16.0 |
| Other | 100.2 | 49.4 | 100.4 | 100.3 | 62.1 | 75.4 | 45.9 | 100.4 | 100.3 | 51.8 | 51.1 | 30.9 | . | . | 47.6 |
| Refrigeration Equipment (more than one may apply)^b | | | | | | | | | | | | | | | |
| Any Refrigeration..... | 11.6 | 10.0 | 20.5 | 13.0 | 13.0 | 11.3 | 7.8 | 15.8 | 11.1 | 10.5 | 5.5 | 7.8 | 12.0 | 8.4 | 10.1 |
| Commercial Refrigeration | 14.9 | 13.5 | 25.0 | 19.8 | 14.6 | 12.9 | 10.2 | 18.7 | 13.9 | 13.5 | 8.5 | 10.4 | 17.4 | 13.2 | 9.3 |
| Walk-In Units | 14.0 | 14.5 | 27.0 | 21.0 | 12.6 | 13.1 | 9.5 | 22.2 | 14.0 | 14.0 | 10.7 | 12.4 | 22.8 | 14.7 | 11.0 |
| Cases or Cabinets | 17.5 | 17.0 | 26.3 | 18.7 | 17.1 | 15.1 | 11.9 | 19.2 | 14.6 | 15.3 | 7.4 | 11.7 | 13.1 | 12.4 | 11.1 |
| Residential-Type Units | 10.1 | 12.9 | 20.2 | 12.9 | 13.5 | 11.1 | 9.3 | 15.6 | 11.1 | 12.1 | 5.9 | 7.2 | 14.0 | 10.9 | 11.0 |
| Vending Machines | 12.2 | 12.4 | 21.8 | 14.2 | 13.5 | 11.5 | 9.7 | 16.7 | 12.3 | 12.9 | 6.6 | 9.1 | 12.2 | 9.0 | 11.5 |
| No Refrigeration | 19.5 | 16.8 | 32.0 | 19.5 | 22.6 | 15.9 | 19.2 | 20.5 | 16.5 | 17.0 | 16.4 | 19.9 | 22.5 | 17.9 | 23.0 |
| Office Equipment (more than one may apply) | | | | | | | | | | | | | | | |
| Computers | 10.8 | 10.5 | 20.5 | 12.4 | 13.2 | 11.4 | 8.0 | 15.6 | 10.2 | 10.9 | 4.6 | 8.6 | 11.8 | 9.7 | 11.5 |
| With Flat Screen Monitors | 13.7 | 13.4 | 23.4 | 13.6 | 19.1 | 14.1 | 8.4 | 16.7 | 12.0 | 15.9 | 6.7 | 10.4 | 11.5 | 11.2 | 10.3 |
| Dedicated Servers | 12.8 | 13.1 | 21.8 | 13.5 | 15.2 | 13.9 | 8.1 | 16.2 | 10.7 | 13.1 | 5.7 | 9.8 | 11.4 | 12.0 | 12.0 |
| Laser Printers | 12.6 | 14.5 | 24.0 | 12.5 | 12.7 | 13.2 | 6.5 | 17.2 | 12.7 | 12.7 | 7.9 | 12.7 | 14.3 | 10.4 | 12.8 |
| Inkjet Printers | 15.7 | 11.0 | 23.6 | 14.9 | 19.1 | 15.5 | 10.2 | 16.6 | 10.7 | 13.1 | 4.9 | 6.9 | 12.9 | 13.1 | 12.7 |
| FAX Machines | 11.2 | 11.1 | 20.5 | 12.4 | 12.8 | 12.1 | 7.7 | 15.4 | 10.6 | 11.6 | 4.5 | 7.7 | 12.0 | 9.4 | 10.8 |
| Photocopiers | 11.4 | 11.7 | 20.9 | 13.4 | 12.1 | 11.7 | 7.8 | 15.7 | 11.0 | 11.2 | 5.1 | 8.5 | 12.8 | 9.4 | 10.8 |
| Number of Computers | | | | | | | | | | | | | | | |
| None | 11.8 | 18.6 | 25.4 | 34.1 | 20.0 | 16.3 | 19.1 | 26.7 | 19.5 | 16.3 | 19.6 | 17.5 | 19.3 | 29.7 | 15.8 |
| 1 to 4 | 13.4 | 14.3 | 29.3 | 15.8 | 20.9 | 15.1 | 15.0 | 24.2 | 13.6 | 15.2 | 9.9 | 12.4 | 27.8 | 12.2 | 24.1 |
| 5 to 9 | 16.0 | 14.0 | 36.6 | 17.6 | 23.8 | 19.5 | 13.5 | 21.5 | 15.9 | 19.0 | 15.6 | 19.5 | 28.2 | 14.7 | 16.6 |
| 10 to 19 | 16.4 | 21.3 | 34.7 | 24.4 | 18.9 | 13.3 | 14.0 | 27.0 | 20.6 | 17.5 | 11.2 | 11.8 | 20.4 | 14.7 | 20.9 |
| 20 to 49 | 23.0 | 16.5 | 33.1 | 23.0 | 26.7 | 23.7 | 13.9 | 23.5 | 16.0 | 23.1 | 13.5 | 14.7 | 24.8 | 18.8 | 23.4 |
| 50 to 99 | 23.1 | 17.6 | 31.4 | 23.0 | 25.4 | 23.2 | 11.1 | 31.6 | 22.3 | 17.0 | 9.4 | 17.0 | 61.3 | 15.8 | 17.3 |
| 100 to 249 | 24.5 | 15.1 | 33.7 | 19.9 | 17.9 | 16.7 | 15.4 | 23.1 | 19.3 | 16.7 | 13.4 | 16.0 | 15.7 | 16.1 | 12.8 |
| 250 or More | 17.8 | 23.0 | 29.9 | 20.9 | 28.7 | 19.5 | 15.1 | 22.4 | 19.3 | 27.6 | 14.3 | 21.2 | 18.8 | 20.3 | 15.9 |
| Number of Dedicated Servers | | | | | | | | | | | | | | | |
| None | 10.9 | 10.1 | 18.7 | 14.5 | 14.6 | 10.7 | 12.4 | 20.6 | 13.3 | 11.6 | 9.0 | 12.4 | 17.2 | 8.8 | 16.4 |
| 1 to 4 | 12.4 | 9.0 | 23.9 | 15.9 | 11.3 | 12.9 | 8.2 | 17.7 | 12.5 | 15.1 | 4.4 | 7.0 | 18.0 | 12.2 | 14.8 |
| 5 to 9 | 35.4 | 17.2 | 51.5 | 40.8 | 42.0 | 45.8 | 14.7 | 31.7 | 26.4 | 24.4 | 36.0 | 18.1 | 33.9 | 32.8 | 36.6 |
| 10 to 19 | 35.7 | 31.0 | 32.3 | 26.5 | 36.6 | 25.8 | 22.2 | 35.7 | 16.6 | 42.2 | 20.0 | 31.7 | 35.8 | 35.3 | 39.1 |
| 20 to 49 | 45.9 | 35.7 | 42.2 | 31.1 | 51.4 | 38.0 | 22.6 | 31.2 | 36.1 | 40.9 | 34.4 | 27.4 | 30.4 | 54.8 | 21.0 |
| 50 or More | 27.7 | 48.3 | 39.8 | 38.5 | 45.9 | 42.9 | 44.6 | 30.0 | 45.3 | 47.4 | 32.7 | 42.7 | 24.1 | 33.4 | 17.9 |

RSEs for Table C10. Consumption and Gross Energy Intensity by Climate Zone^a for Non-Mall Buildings, 2003

| | RSEs for Sum of Major Fuel Consumption | | | | | RSEs for Total Floorspace of Buildings | | | | | RSEs for Energy Intensity for Sum of Major Fuels | | | | |
|--|--|--------|--------|--------|--------|--|--------|--------|--------|--------|--|--------|--------|--------|--------|
| | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 |
| All Buildings* | 10.4 | 9.6 | 19.9 | 11.9 | 12.5 | 10.9 | 9.1 | 15.3 | 11.1 | 10.1 | 5.5 | 8.6 | 11.9 | 9.0 | 11.7 |
| Number of Photocopiers | | | | | | | | | | | | | | | |
| None | 14.7 | 12.4 | 24.3 | 16.4 | 22.4 | 16.3 | 16.3 | 22.6 | 15.4 | 14.7 | 14.7 | 16.2 | 15.1 | 12.5 | 20.5 |
| One | 13.1 | 12.0 | 23.6 | 20.1 | 21.1 | 15.0 | 10.0 | 20.4 | 16.0 | 17.6 | 6.4 | 9.1 | 24.5 | 14.5 | 17.8 |
| 2 to 4 | 15.2 | 10.4 | 24.4 | 21.2 | 10.8 | 14.3 | 9.5 | 18.5 | 14.5 | 12.7 | 5.8 | 8.0 | 17.2 | 15.2 | 14.2 |
| 5 to 9 | 19.0 | 27.2 | 42.9 | 25.7 | 15.3 | 18.7 | 13.3 | 29.6 | 17.5 | 28.1 | 15.2 | 24.8 | 44.4 | 21.5 | 25.4 |
| 10 or More | 23.0 | 24.2 | 30.1 | 18.3 | 28.0 | 19.7 | 14.5 | 23.3 | 15.3 | 26.7 | 15.6 | 21.6 | 16.7 | 17.2 | 13.4 |
| Energy-Related Space Functions (more than one may apply) | | | | | | | | | | | | | | | |
| Commercial Food Preparation | 16.2 | 14.5 | 26.6 | 22.7 | 17.4 | 13.4 | 9.4 | 22.4 | 15.3 | 17.8 | 8.9 | 10.3 | 23.3 | 14.2 | 10.0 |
| Activities with Large Amounts of Hot Water | 13.8 | 15.5 | 24.9 | 22.7 | 19.1 | 10.9 | 10.5 | 23.0 | 14.1 | 17.4 | 9.8 | 12.7 | 26.9 | 18.7 | 12.2 |
| Separate Computer Area | 16.5 | 15.7 | 24.0 | 15.7 | 19.6 | 14.9 | 9.2 | 18.3 | 11.4 | 16.1 | 6.4 | 11.3 | 12.0 | 13.5 | 11.2 |
| HVAC Conservation Features (more than one may apply) | | | | | | | | | | | | | | | |
| Variable Air-Volume System | 15.5 | 16.5 | 28.6 | 12.2 | 19.7 | 15.6 | 8.6 | 19.6 | 15.0 | 17.6 | 8.1 | 12.0 | 16.6 | 10.0 | 10.3 |
| Economizer Cycle | 11.1 | 15.0 | 26.0 | 12.5 | 26.0 | 12.1 | 10.1 | 20.4 | 13.9 | 19.0 | 5.1 | 11.3 | 12.1 | 12.4 | 14.1 |
| HVAC Maintenance | 11.3 | 10.5 | 21.3 | 13.7 | 13.1 | 10.8 | 9.8 | 16.0 | 10.8 | 11.2 | 4.8 | 9.2 | 12.1 | 9.2 | 10.9 |
| Energy Management and Control System (EMCS) | 18.6 | 19.6 | 28.4 | 18.4 | 20.6 | 17.1 | 9.0 | 20.6 | 17.2 | 19.9 | 8.5 | 16.0 | 15.4 | 11.1 | 10.6 |
| Window and Interior Lighting Features (more than one may apply) | | | | | | | | | | | | | | | |
| Multipaned Windows | 13.0 | 11.4 | 19.3 | 14.7 | 15.2 | 11.9 | 8.0 | 16.1 | 13.0 | 13.8 | 5.7 | 8.1 | 14.2 | 11.9 | 10.6 |
| Tinted Window Glass | 14.8 | 13.4 | 21.7 | 8.6 | 13.6 | 15.1 | 11.9 | 18.2 | 9.7 | 11.7 | 9.8 | 14.1 | 12.8 | 9.1 | 13.7 |
| Reflective Window Glass | 18.5 | 17.8 | 31.4 | 22.2 | 18.8 | 18.5 | 13.3 | 16.9 | 12.7 | 16.7 | 6.8 | 15.6 | 22.9 | 21.4 | 20.5 |
| External Overhangs or Awnings | 13.8 | 20.3 | 23.4 | 23.0 | 23.2 | 9.6 | 14.7 | 19.4 | 11.6 | 20.6 | 8.6 | 14.5 | 20.0 | 19.5 | 12.8 |
| Skylights or Atriums | 16.8 | 23.2 | 22.2 | 22.2 | 20.5 | 18.0 | 13.0 | 14.6 | 16.8 | 18.2 | 11.3 | 18.3 | 17.5 | 16.7 | 19.7 |
| Daylighting Sensors | 21.1 | 50.9 | 52.4 | 36.1 | 14.6 | 30.5 | 21.2 | 25.1 | 30.3 | 27.2 | 18.7 | 41.8 | 35.3 | 31.5 | 23.8 |
| Specular Reflectors | 11.3 | 14.3 | 22.9 | 19.3 | 16.6 | 15.4 | 11.1 | 16.2 | 10.7 | 16.5 | 6.9 | 11.9 | 14.3 | 16.6 | 15.3 |
| Electronic Ballasts | 11.2 | 12.0 | 20.8 | 13.4 | 13.3 | 11.5 | 9.7 | 15.9 | 10.9 | 12.0 | 5.6 | 10.8 | 12.4 | 10.1 | 11.9 |
| Energy Management and Control System (EMCS) For Lighting | 28.2 | 16.1 | 41.1 | 36.5 | 30.9 | 31.3 | 17.4 | 21.2 | 29.9 | 29.4 | 13.2 | 19.7 | 31.8 | 20.4 | 25.4 |
| Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^b | | | | | | | | | | | | | | | |
| Heating | 13.0 | 11.4 | 19.1 | 13.1 | 14.8 | 10.8 | 9.5 | 14.8 | 12.1 | 11.5 | 5.9 | 9.9 | 12.3 | 6.6 | 10.0 |
| Cooling | 12.9 | 11.8 | 19.5 | 12.7 | 14.2 | 11.7 | 8.3 | 15.4 | 11.7 | 11.3 | 5.2 | 9.5 | 11.6 | 6.9 | 11.3 |
| Lighting | 10.5 | 7.8 | 19.3 | 10.5 | 12.9 | 10.5 | 10.1 | 15.9 | 11.6 | 10.6 | 5.8 | 8.3 | 12.3 | 7.4 | 14.7 |
| Office Equipment | 11.8 | 14.1 | 19.9 | 13.8 | 22.6 | 10.4 | 12.0 | 17.1 | 13.4 | 15.9 | 6.7 | 12.1 | 19.8 | 8.1 | 21.2 |

X=No cases in the responding sample reported their consumption for the particular fuel, so relative standard error could not be calculated.

RSEs for Table C11. Consumption and Gross Energy Intensity by Building Size for Sum of Major Fuels for Non-Mall Buildings, 2003

| | RSEs for Sum of Major Fuel Consumption | | | RSEs for Total Floorspace of Buildings | | | RSEs for Energy Intensity for Sum of Major Fuels | | |
|--------------------------------------|--|-------------------------------|--------------------------|--|-------------------------------|--------------------------|--|-------------------------------|--------------------------|
| | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet |
| All Buildings* | 5.8 | 5.0 | 9.4 | 4.5 | 3.7 | 7.1 | 5.7 | 4.9 | 8.1 |
| Principal Building Activity | | | | | | | | | |
| Education | 15.1 | 9.3 | 13.3 | 11.0 | 9.1 | 9.7 | 12.5 | 7.6 | 15.2 |
| Food Sales | 19.8 | 24.3 | 100.5 | 11.7 | 18.6 | 18.2 | 20.6 | 19.9 | 74.7 |
| Food Service | 13.8 | 33.5 | 100.0 | 7.9 | 17.1 | 100.0 | 13.5 | 29.8 | 0.0 |
| Health Care | 22.0 | 21.3 | 14.1 | 14.6 | 12.3 | 12.3 | 15.8 | 20.5 | 15.3 |
| Inpatient | 0.0 | 37.8 | 14.9 | 0.0 | 24.6 | 12.6 | 0.0 | 24.6 | 16.3 |
| Outpatient | 22.0 | 22.3 | 55.4 | 14.6 | 15.5 | 35.6 | 15.8 | 22.1 | 42.0 |
| Lodging | 29.8 | 12.1 | 29.2 | 21.9 | 8.7 | 17.4 | 25.5 | 9.4 | 30.0 |
| Retail (Other Than Mall)..... | 25.4 | 18.0 | 24.4 | 10.6 | 12.2 | 21.9 | 20.9 | 14.3 | 19.2 |
| Office | 9.2 | 9.9 | 14.4 | 7.2 | 8.1 | 12.6 | 6.8 | 7.5 | 9.6 |
| Public Assembly | 32.1 | 18.6 | 40.1 | 12.4 | 11.9 | 29.7 | 29.4 | 15.6 | 51.0 |
| Public Order and Safety | 34.6 | 34.3 | 30.0 | 21.8 | 25.7 | 34.9 | 25.5 | 30.0 | 50.5 |
| Religious Worship | 14.5 | 14.0 | 42.4 | 10.0 | 10.2 | 34.8 | 10.7 | 9.0 | 37.4 |
| Service | 24.1 | 23.2 | 77.7 | 9.6 | 15.7 | 46.4 | 20.9 | 13.6 | 70.3 |
| Warehouse and Storage | 21.2 | 20.1 | 29.2 | 10.3 | 13.6 | 19.5 | 17.5 | 19.3 | 27.0 |
| Other | 30.1 | 47.3 | 35.1 | 19.3 | 24.2 | 35.7 | 25.9 | 43.4 | 47.9 |
| Vacant | 50.0 | 38.9 | 39.7 | 15.2 | 20.9 | 31.3 | 47.8 | 38.4 | 31.2 |
| Year Constructed | | | | | | | | | |
| Before 1920 | 19.7 | 26.7 | 42.6 | 13.7 | 15.5 | 28.9 | 16.6 | 20.4 | 39.2 |
| 1920 to 1945 | 17.0 | 21.4 | 25.3 | 8.9 | 13.1 | 22.9 | 15.1 | 17.7 | 30.3 |
| 1946 to 1959 | 17.7 | 11.4 | 23.4 | 10.8 | 9.4 | 19.6 | 15.4 | 9.2 | 23.7 |
| 1960 to 1969 | 16.6 | 11.0 | 16.9 | 9.0 | 9.3 | 10.8 | 13.6 | 10.7 | 14.3 |
| 1970 to 1979 | 12.3 | 10.6 | 19.1 | 8.6 | 7.7 | 15.7 | 11.9 | 8.1 | 15.0 |
| 1980 to 1989 | 14.3 | 14.9 | 21.8 | 8.4 | 9.3 | 12.4 | 12.9 | 13.6 | 19.2 |
| 1990 to 1999 | 15.5 | 10.9 | 16.2 | 9.4 | 8.4 | 10.1 | 15.6 | 9.5 | 14.1 |
| 2000 to 2003 | 23.6 | 15.0 | 26.1 | 14.1 | 10.2 | 13.8 | 17.9 | 14.8 | 21.5 |
| Census Region and Division | | | | | | | | | |
| Northeast | 11.7 | 8.6 | 20.4 | 10.5 | 9.2 | 15.2 | 9.2 | 10.3 | 22.3 |
| New England | 21.7 | 26.6 | 50.2 | 22.4 | 21.7 | 34.9 | 12.4 | 25.3 | 47.6 |
| Middle Atlantic | 14.8 | 8.8 | 21.4 | 12.2 | 10.3 | 16.7 | 12.1 | 11.1 | 24.5 |
| Midwest | 13.8 | 7.8 | 9.6 | 11.6 | 5.5 | 17.7 | 11.8 | 5.3 | 14.4 |
| East North Central | 18.5 | 8.0 | 11.4 | 16.4 | 7.2 | 21.2 | 13.9 | 6.2 | 17.2 |
| West North Central | 18.2 | 16.6 | 12.8 | 18.9 | 8.8 | 23.2 | 15.6 | 10.8 | 17.7 |
| South | 9.5 | 10.0 | 18.0 | 7.9 | 7.4 | 11.7 | 7.9 | 11.7 | 12.0 |
| South Atlantic | 15.6 | 11.2 | 26.0 | 11.6 | 10.4 | 14.1 | 8.9 | 12.2 | 18.5 |
| East South Central | 18.6 | 34.3 | 19.1 | 25.3 | 10.3 | 26.1 | 20.2 | 33.2 | 15.6 |
| West South Central | 18.7 | 11.3 | 29.3 | 12.4 | 16.7 | 22.8 | 15.3 | 16.5 | 17.3 |
| West | 15.3 | 10.0 | 23.4 | 9.9 | 6.5 | 9.6 | 17.6 | 5.9 | 17.1 |
| Mountain | 17.5 | 15.3 | 46.4 | 17.5 | 12.0 | 27.6 | 8.5 | 5.0 | 27.9 |
| Pacific | 24.7 | 12.6 | 17.9 | 12.1 | 7.2 | 6.9 | 31.2 | 9.4 | 16.2 |
| Climate Zone: 30-Year Average | | | | | | | | | |
| Under 2,000 CDD and -- | | | | | | | | | |
| More than 7,000 HDD | 16.4 | 11.5 | 16.7 | 10.9 | 10.8 | 17.2 | 10.6 | 5.4 | 12.9 |
| 5,500-7,000 HDD | 12.4 | 9.7 | 18.6 | 14.3 | 8.6 | 16.9 | 9.9 | 7.3 | 18.7 |
| 4,000-5,499 HDD | 19.7 | 23.9 | 27.0 | 24.3 | 16.8 | 21.3 | 12.7 | 12.8 | 19.0 |
| Fewer than 4,000 HDD | 15.9 | 15.2 | 16.0 | 13.6 | 13.9 | 11.7 | 15.5 | 10.2 | 15.3 |
| 2,000 CDD or More and -- | | | | | | | | | |
| Fewer than 4,000 HDD | 18.5 | 11.7 | 25.3 | 11.0 | 14.0 | 18.4 | 12.4 | 16.2 | 13.7 |

RSEs for Table C11. Consumption and Gross Energy Intensity by Building Size for Sum of Major Fuels for Non-Mall Buildings, 2003

| | RSEs for Sum of Major Fuel Consumption | | | RSEs for Total Floorspace of Buildings | | | RSEs for Energy Intensity for Sum of Major Fuels | | |
|---|--|-------------------------------|--------------------------|--|-------------------------------|--------------------------|--|-------------------------------|--------------------------|
| | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet |
| All Buildings* | 5.8 | 5.0 | 9.4 | 4.5 | 3.7 | 7.1 | 5.7 | 4.9 | 8.1 |
| Number of Floors | | | | | | | | | |
| One | 6.0 | 6.3 | 18.2 | 5.0 | 5.8 | 18.5 | 5.5 | 6.7 | 21.5 |
| Two | 12.8 | 10.4 | 20.3 | 7.5 | 6.3 | 14.1 | 12.3 | 8.3 | 18.2 |
| Three | 18.5 | 9.7 | 18.7 | 10.6 | 7.4 | 15.8 | 16.7 | 8.4 | 19.4 |
| Four to Nine | 40.8 | 13.6 | 13.5 | 25.4 | 10.6 | 11.5 | 33.0 | 9.8 | 13.1 |
| Ten or More | 0.0 | 71.1 | 19.8 | 0.0 | 37.0 | 15.3 | 0.0 | 73.5 | 15.7 |
| Elevators and Escalators (more than one may apply) | | | | | | | | | |
| Any Elevators | 41.0 | 6.9 | 10.5 | 24.5 | 4.9 | 7.4 | 34.2 | 5.9 | 8.0 |
| Number of Elevators | | | | | | | | | |
| One | 41.0 | 9.7 | 17.5 | 24.5 | 6.5 | 11.7 | 34.2 | 7.6 | 13.9 |
| Two to Five | 0.0 | 10.0 | 12.5 | 0.0 | 9.2 | 10.1 | 0.0 | 7.9 | 11.8 |
| Six or More | 0.0 | 72.5 | 17.1 | 0.0 | 62.9 | 13.6 | 0.0 | 46.9 | 12.4 |
| Any Escalators | X | 100.1 | 33.7 | 98.9 | 45.7 | 18.9 | X | 107.1 | 24.2 |
| Number of Workers (main shift) | | | | | | | | | |
| Fewer than 5 | 7.1 | 9.9 | 41.3 | 5.5 | 9.1 | 39.5 | 6.9 | 9.4 | 29.1 |
| 5 to 9 | 10.2 | 14.0 | 57.6 | 8.1 | 8.6 | 34.3 | 9.6 | 12.9 | 44.3 |
| 10 to 19 | 15.8 | 8.5 | 55.4 | 7.9 | 6.9 | 38.6 | 13.6 | 6.7 | 77.5 |
| 20 to 49 | 19.9 | 10.6 | 33.7 | 11.4 | 6.1 | 24.4 | 17.7 | 8.7 | 30.5 |
| 50 to 99 | 63.5 | 10.8 | 14.6 | 32.3 | 7.4 | 12.9 | 62.5 | 7.6 | 13.7 |
| 100 to 249 | 99.5 | 13.2 | 13.1 | 68.7 | 9.4 | 10.1 | 98.2 | 11.7 | 13.1 |
| 250 or More | 0.0 | 30.8 | 13.6 | 0.0 | 19.8 | 9.7 | 0.0 | 18.9 | 9.6 |
| Weekly Operating Hours | | | | | | | | | |
| Fewer than 40 | 13.5 | 14.1 | 33.9 | 9.2 | 12.8 | 27.5 | 9.2 | 13.0 | 30.0 |
| 40 to 48 | 11.8 | 9.5 | 24.5 | 6.2 | 7.1 | 22.6 | 11.3 | 8.2 | 29.3 |
| 49 to 60 | 8.1 | 11.6 | 15.2 | 7.9 | 6.3 | 17.3 | 8.6 | 9.8 | 13.7 |
| 61 to 84 | 18.5 | 10.9 | 15.3 | 8.3 | 6.5 | 14.2 | 16.1 | 9.4 | 12.6 |
| 85 to 167 | 14.5 | 13.0 | 12.9 | 10.8 | 9.9 | 12.6 | 16.6 | 10.5 | 12.1 |
| Open Continuously | 21.6 | 10.0 | 14.2 | 14.6 | 7.6 | 8.8 | 20.0 | 8.1 | 11.1 |
| Ownership and Occupancy | | | | | | | | | |
| Nongovernment Owned | 6.6 | 6.4 | 10.7 | 4.8 | 4.3 | 8.4 | 6.5 | 6.4 | 9.2 |
| Owner Occupied | 9.6 | 8.7 | 12.2 | 6.4 | 6.0 | 9.6 | 7.4 | 6.9 | 10.3 |
| Nonowner Occupied | 8.6 | 9.3 | 17.7 | 6.3 | 5.8 | 10.7 | 8.8 | 9.6 | 14.3 |
| Unoccupied | 60.9 | 13.5 | 54.7 | 16.0 | 25.9 | 39.4 | 60.1 | 25.9 | 29.4 |
| Government Owned | 19.4 | 7.4 | 15.6 | 8.1 | 7.6 | 10.0 | 17.0 | 6.5 | 15.8 |
| Federal | 45.7 | 31.9 | 39.5 | 37.7 | 29.7 | 37.9 | 32.8 | 21.0 | 38.1 |
| State | 63.7 | 17.2 | 18.6 | 25.6 | 13.0 | 22.4 | 58.2 | 14.7 | 26.2 |
| Local | 15.5 | 9.0 | 19.1 | 8.8 | 9.1 | 9.6 | 12.2 | 7.2 | 17.2 |
| Vacancy Status | | | | | | | | | |
| Completely Vacant | 60.9 | 34.4 | 49.4 | 15.7 | 24.7 | 33.6 | 60.5 | 39.8 | 37.6 |
| Mostly Vacant | 70.2 | 56.7 | 58.1 | 58.6 | 35.3 | 74.2 | 34.3 | 49.7 | 42.0 |
| Partially Vacant | 14.3 | 9.0 | 14.6 | 7.1 | 7.1 | 10.3 | 13.2 | 7.5 | 11.6 |
| Not At All Vacant | 6.2 | 5.5 | 11.1 | 5.0 | 4.2 | 8.1 | 5.9 | 5.5 | 9.9 |

RSEs for Table C11. Consumption and Gross Energy Intensity by Building Size for Sum of Major Fuels for Non-Mall Buildings, 2003

| | RSEs for Sum of Major Fuel Consumption | | | RSEs for Total Floorspace of Buildings | | | RSEs for Energy Intensity for Sum of Major Fuels | | |
|---|--|-------------------------------|--------------------------|--|-------------------------------|--------------------------|--|-------------------------------|--------------------------|
| | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet |
| All Buildings* | 5.8 | 5.0 | 9.4 | 4.5 | 3.7 | 7.1 | 5.7 | 4.9 | 8.1 |
| Number of Establishments | | | | | | | | | |
| One | 5.7 | 5.7 | 12.1 | 5.0 | 4.0 | 9.4 | 5.7 | 5.5 | 11.9 |
| 2 to 5 | 16.6 | 10.1 | 12.5 | 8.4 | 7.8 | 10.7 | 13.7 | 7.3 | 14.3 |
| 6 to 10 | 59.4 | 18.0 | 30.6 | 43.7 | 11.9 | 25.2 | 39.8 | 14.2 | 30.6 |
| 11 to 20 | X | 25.7 | 32.1 | 100.3 | 15.9 | 23.8 | X | 23.3 | 29.1 |
| More than 20 | 100.1 | 41.0 | 25.4 | 74.8 | 22.9 | 15.7 | 110.5 | 28.3 | 18.3 |
| Currently Unoccupied | 60.9 | 34.4 | 49.4 | 15.7 | 24.7 | 33.6 | 60.5 | 39.8 | 37.6 |
| Predominant Exterior Wall Material | | | | | | | | | |
| Brick, Stone or Stucco | 8.6 | 5.9 | 9.4 | 5.5 | 4.7 | 10.0 | 7.4 | 4.4 | 10.9 |
| Concrete (Block or Poured) | 12.0 | 14.6 | 15.0 | 8.5 | 7.9 | 11.6 | 9.9 | 13.0 | 13.3 |
| Concrete Panels | 32.7 | 15.8 | 27.4 | 22.2 | 10.8 | 14.7 | 30.6 | 16.0 | 21.3 |
| Siding or Shingles | 14.3 | 16.1 | 39.8 | 10.1 | 16.6 | 40.3 | 13.2 | 14.3 | 71.4 |
| Metal Panels | 13.2 | 17.6 | 31.4 | 10.8 | 12.5 | 18.2 | 9.4 | 16.8 | 27.0 |
| Window Glass | 63.1 | 33.1 | 32.1 | 45.7 | 31.3 | 20.9 | 42.8 | 37.6 | 24.6 |
| Other | 48.1 | 39.9 | 33.9 | 33.7 | 26.7 | 23.1 | 51.8 | 27.5 | 23.2 |
| No One Major Type | 62.8 | 75.1 | 82.9 | 44.0 | 36.6 | 38.4 | 41.7 | 56.4 | 82.8 |
| Predominant Roof Material | | | | | | | | | |
| Built-Up | 9.9 | 8.6 | 13.9 | 7.2 | 4.8 | 8.7 | 10.6 | 7.8 | 11.3 |
| Shingles (Not Wood) | 10.7 | 11.6 | 47.8 | 6.3 | 7.7 | 19.5 | 10.0 | 10.3 | 47.6 |
| Metal Surfacing | 12.3 | 12.1 | 22.5 | 7.8 | 11.1 | 18.3 | 10.5 | 12.6 | 19.7 |
| Synthetic or Rubber | 14.5 | 9.6 | 12.7 | 10.3 | 6.9 | 8.5 | 13.3 | 7.1 | 11.3 |
| Slate or Tile | 18.1 | 20.4 | 45.0 | 16.1 | 14.5 | 33.9 | 20.3 | 18.3 | 26.5 |
| Wooden Materials | 24.2 | 35.4 | 30.3 | 22.9 | 21.6 | 40.3 | 23.9 | 26.3 | 53.9 |
| Concrete | 48.0 | 45.2 | 48.9 | 23.6 | 24.1 | 49.3 | 38.1 | 36.9 | 84.9 |
| Other | 100.1 | 36.8 | 51.5 | 52.3 | 29.8 | 60.5 | 108.1 | 26.6 | 139.2 |
| No One Major Type | 61.0 | 38.8 | 52.6 | 42.0 | 39.7 | 47.5 | 45.8 | 26.2 | 42.9 |
| Renovations in Buildings Constructed Before 1980 (more than one may apply) | | | | | | | | | |
| Any Type of Renovation | | | | | | | | | |
| Since 1980 | 12.3 | 8.8 | 11.1 | 7.8 | 6.9 | 9.8 | 11.0 | 6.4 | 9.9 |
| Addition or Annex | 28.7 | 17.5 | 15.6 | 15.4 | 10.6 | 15.3 | 22.9 | 11.0 | 16.7 |
| Reduction In Floorspace | 76.1 | 45.7 | 35.0 | 57.2 | 28.9 | 30.8 | 22.5 | 25.1 | 23.5 |
| Cosmetic Improvements | 14.9 | 8.2 | 12.0 | 8.4 | 7.3 | 10.9 | 12.4 | 6.7 | 10.6 |
| Wall or Roof Replacement | 16.2 | 11.3 | 16.6 | 12.4 | 9.5 | 11.5 | 11.8 | 8.0 | 14.0 |
| Interior Wall | | | | | | | | | |
| Re-Configuration | 14.5 | 13.5 | 12.3 | 11.3 | 9.2 | 11.6 | 12.9 | 8.6 | 11.1 |
| HVAC Equipment Upgrade | 15.9 | 10.4 | 13.6 | 11.2 | 8.2 | 10.3 | 12.1 | 7.7 | 10.7 |
| Lighting Upgrade | 15.2 | 8.5 | 13.1 | 9.9 | 7.9 | 11.8 | 14.2 | 7.0 | 10.9 |
| Window Replacement | 20.2 | 13.3 | 17.8 | 13.8 | 9.7 | 14.7 | 18.3 | 10.5 | 19.0 |
| Plumbing System Upgrade | 20.8 | 12.3 | 16.3 | 11.5 | 10.7 | 13.2 | 20.6 | 7.4 | 13.9 |
| Insulation Upgrade | 29.9 | 13.8 | 19.4 | 16.4 | 11.9 | 17.1 | 23.4 | 11.3 | 18.2 |
| Other Renovation | 66.2 | 42.8 | 45.9 | 50.2 | 32.2 | 35.4 | 42.0 | 39.5 | 37.1 |
| No Renovations Since 1980 | 8.2 | 9.0 | 25.0 | 6.3 | 5.9 | 17.3 | 8.0 | 7.7 | 23.0 |
| Building Newer than 1980 | 9.4 | 8.9 | 13.0 | 7.0 | 7.0 | 8.0 | 8.7 | 8.3 | 10.6 |

RSEs for Table C11. Consumption and Gross Energy Intensity by Building Size for Sum of Major Fuels for Non-Mall Buildings, 2003

| | RSEs for Sum of Major Fuel Consumption | | | RSEs for Total Floorspace of Buildings | | | RSEs for Energy Intensity for Sum of Major Fuels | | |
|---|--|-------------------------------|--------------------------|--|-------------------------------|--------------------------|--|-------------------------------|--------------------------|
| | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet |
| All Buildings* | 5.8 | 5.0 | 9.4 | 4.5 | 3.7 | 7.1 | 5.7 | 4.9 | 8.1 |
| Energy Sources (more than one may apply) | | | | | | | | | |
| Electricity | 5.8 | 5.0 | 9.4 | 5.0 | 4.0 | 8.9 | 5.6 | 3.5 | 8.1 |
| Natural Gas | 7.5 | 5.9 | 10.5 | 6.9 | 5.0 | 9.1 | 6.1 | 4.3 | 8.6 |
| Fuel Oil | 23.9 | 11.7 | 12.0 | 16.8 | 12.1 | 11.0 | 17.9 | 8.8 | 9.3 |
| District Heat | 99.8 | 28.7 | 21.7 | 31.1 | 15.2 | 17.2 | 75.6 | 27.2 | 22.3 |
| District Chilled Water | 99.8 | 24.1 | 26.8 | 57.8 | 16.6 | 15.4 | 75.1 | 23.6 | 26.6 |
| Propane | 25.5 | 17.5 | 25.5 | 18.0 | 14.8 | 22.1 | 21.0 | 14.0 | 23.7 |
| Other | 21.0 | 39.5 | 40.0 | 18.1 | 20.7 | 28.4 | 16.7 | 25.3 | 31.5 |
| Space-Heating Energy Sources (more than one may apply) | | | | | | | | | |
| Electricity | 8.4 | 7.5 | 13.5 | 7.6 | 6.7 | 7.0 | 7.8 | 7.8 | 10.4 |
| Natural Gas | 7.7 | 6.1 | 11.5 | 7.0 | 4.7 | 8.0 | 7.2 | 4.6 | 9.2 |
| Fuel Oil | 27.7 | 20.8 | 13.6 | 12.7 | 16.7 | 28.2 | 19.4 | 19.3 | 37.0 |
| District Heat | 99.8 | 28.7 | 21.7 | 31.1 | 15.5 | 17.9 | 75.6 | 27.6 | 22.5 |
| Propane | 35.1 | 31.3 | 33.2 | 20.8 | 18.1 | 43.3 | 30.0 | 26.9 | 46.0 |
| Other | 21.8 | 44.1 | 83.5 | 18.8 | 28.7 | 53.0 | 16.8 | 22.1 | 49.2 |
| Primary Space-Heating Energy Source | | | | | | | | | |
| Electricity | 11.1 | 10.4 | 14.3 | 9.3 | 10.0 | 10.4 | 9.9 | 10.1 | 10.7 |
| Natural Gas | 8.5 | 6.5 | 12.1 | 7.1 | 5.1 | 8.5 | 8.0 | 4.9 | 9.8 |
| Fuel Oil | 30.2 | 25.1 | 19.2 | 15.9 | 21.1 | 47.7 | 20.2 | 19.0 | 78.2 |
| District Heat | 99.8 | 29.9 | 22.1 | 31.1 | 16.4 | 18.5 | 75.6 | 28.9 | 23.2 |
| Propane | 39.4 | 39.7 | 47.5 | 22.8 | 23.4 | 61.5 | 35.1 | 30.6 | 39.6 |
| Other | 32.6 | 61.0 | 95.5 | 21.3 | 41.0 | 95.5 | 22.1 | 43.8 | 0.0 |
| Cooling Energy Sources (more than one may apply) | | | | | | | | | |
| Electricity | 6.3 | 5.5 | 9.8 | 4.2 | 3.8 | 7.0 | 5.7 | 5.0 | 7.7 |
| Natural Gas | 100.1 | 37.1 | 32.6 | 48.3 | 27.9 | 25.5 | 104.9 | 29.3 | 35.5 |
| District Chilled Water | 99.8 | 24.1 | 26.8 | 57.8 | 16.6 | 15.4 | 75.1 | 23.6 | 26.6 |
| Water-Heating Energy Sources (more than one may apply) | | | | | | | | | |
| Electricity | 10.0 | 10.0 | 9.7 | 6.7 | 6.8 | 8.2 | 7.5 | 9.2 | 8.8 |
| Natural Gas | 8.3 | 7.0 | 12.7 | 7.0 | 5.2 | 8.8 | 7.6 | 5.1 | 10.1 |
| Fuel Oil | 43.2 | 28.1 | 22.3 | 24.2 | 17.4 | 39.9 | 23.6 | 26.0 | 67.7 |
| District Heat | 99.8 | 33.6 | 23.1 | 82.1 | 23.0 | 16.3 | 27.6 | 34.2 | 19.3 |
| Propane | 55.7 | 34.1 | 48.0 | 23.5 | 23.0 | 43.6 | 50.6 | 23.3 | 22.8 |
| Cooking Energy Sources (more than one may apply) | | | | | | | | | |
| Electricity | 19.1 | 11.5 | 13.7 | 9.1 | 8.0 | 9.1 | 19.9 | 7.7 | 11.3 |
| Natural Gas | 15.6 | 9.7 | 13.2 | 8.5 | 7.4 | 10.5 | 13.9 | 7.4 | 12.6 |
| Propane | 59.2 | 25.0 | 32.8 | 27.0 | 21.6 | 25.9 | 54.4 | 16.5 | 24.0 |

RSEs for Table C11. Consumption and Gross Energy Intensity by Building Size for Sum of Major Fuels for Non-Mall Buildings, 2003

| | RSEs for Sum of Major Fuel Consumption | | | RSEs for Total Floorspace of Buildings | | | RSEs for Energy Intensity for Sum of Major Fuels | | |
|--|--|-------------------------------|--------------------------|--|-------------------------------|--------------------------|--|-------------------------------|--------------------------|
| | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet |
| All Buildings* | 5.8 | 5.0 | 9.4 | 4.5 | 3.7 | 7.1 | 5.7 | 4.9 | 8.1 |
| Energy End Uses (more than one may apply) | | | | | | | | | |
| Buildings with Space Heating | 6.0 | 5.0 | 9.5 | 4.1 | 3.6 | 7.4 | 5.6 | 4.7 | 8.1 |
| Buildings with Cooling | 6.3 | 5.3 | 9.5 | 4.2 | 3.8 | 6.8 | 5.7 | 4.8 | 7.5 |
| Buildings with Water Heating | 6.1 | 5.1 | 9.5 | 4.2 | 3.5 | 7.0 | 5.8 | 4.4 | 7.7 |
| Buildings with Cooking | 12.1 | 7.9 | 12.4 | 6.8 | 6.6 | 9.4 | 11.7 | 5.4 | 10.8 |
| Buildings with Manufacturing | 25.7 | 27.5 | 34.0 | 20.5 | 17.8 | 21.8 | 18.3 | 23.6 | 27.5 |
| Buildings with Electricity Generation | 33.6 | 12.9 | 11.6 | 21.6 | 9.3 | 8.3 | 27.0 | 10.9 | 10.1 |
| Percent of Floorspace Heated | | | | | | | | | |
| Not Heated | 27.9 | 21.6 | 39.2 | 10.5 | 12.8 | 24.9 | 27.4 | 20.5 | 40.2 |
| 1 to 50 | 18.1 | 21.3 | 35.2 | 10.3 | 14.9 | 19.6 | 15.4 | 19.5 | 33.2 |
| 51 to 99 | 16.9 | 12.4 | 17.1 | 10.2 | 8.7 | 14.0 | 14.0 | 8.2 | 12.2 |
| 100 | 6.2 | 5.9 | 10.7 | 4.6 | 4.1 | 9.4 | 6.0 | 5.3 | 10.7 |
| Percent of Floorspace Cooled | | | | | | | | | |
| Not Cooled | 17.1 | 22.3 | 36.3 | 8.9 | 14.4 | 32.9 | 15.7 | 15.8 | 38.6 |
| 1 to 50 | 11.5 | 11.6 | 22.5 | 7.5 | 8.9 | 12.6 | 10.0 | 10.2 | 18.8 |
| 51 to 99 | 12.9 | 8.7 | 12.4 | 9.1 | 6.4 | 10.9 | 11.3 | 6.4 | 10.8 |
| 100 | 8.0 | 8.3 | 13.7 | 4.8 | 5.6 | 8.8 | 6.9 | 6.7 | 11.5 |
| Percent Lit When Open | | | | | | | | | |
| Zero | 43.2 | 55.8 | 100.3 | 37.7 | 42.2 | 100.3 | 23.8 | 44.7 | 0.0 |
| 1 to 50 | 11.3 | 10.2 | 29.5 | 9.2 | 8.6 | 19.0 | 9.9 | 10.1 | 26.7 |
| 51 to 99 | 10.6 | 8.1 | 9.3 | 6.6 | 5.6 | 8.3 | 8.0 | 6.2 | 7.9 |
| 100 | 7.7 | 7.7 | 12.7 | 4.4 | 4.8 | 9.1 | 7.8 | 6.7 | 11.9 |
| Building Never Open/Electricity Not Used | 37.3 | 36.4 | 47.1 | 11.7 | 21.0 | 31.8 | 34.2 | 42.2 | 34.4 |
| Percent Lit When Closed | | | | | | | | | |
| Zero | 8.3 | 7.9 | 20.8 | 5.7 | 7.2 | 19.6 | 7.0 | 7.9 | 26.7 |
| 1 to 50 | 9.3 | 7.0 | 10.9 | 5.2 | 4.1 | 9.1 | 8.1 | 6.3 | 9.5 |
| 51 to 100 | 27.9 | 29.5 | 27.9 | 13.5 | 14.4 | 26.7 | 25.7 | 23.0 | 29.9 |
| Building Never Closed/Electricity Not Used | 21.6 | 10.0 | 14.2 | 11.2 | 7.6 | 8.8 | 19.6 | 8.5 | 11.3 |
| Heating Equipment (more than one may apply) | | | | | | | | | |
| Heat Pumps | 17.3 | 14.1 | 27.0 | 13.8 | 10.3 | 11.4 | 16.6 | 11.8 | 21.1 |
| Packaged Heat Pumps | 27.9 | 17.1 | 35.8 | 15.4 | 10.1 | 15.5 | 20.0 | 14.9 | 27.7 |
| Split-System Heat Pumps | 14.3 | 26.4 | 50.3 | 22.4 | 16.3 | 25.3 | 23.8 | 23.4 | 41.0 |
| Individual Room Heat Pumps | 36.3 | 20.7 | 29.0 | 27.4 | 13.3 | 18.4 | 25.9 | 13.1 | 27.0 |
| Furnaces | 7.9 | 9.4 | 14.5 | 6.8 | 6.2 | 12.3 | 6.8 | 7.7 | 14.3 |
| Individual Space Heaters | 15.9 | 10.7 | 17.5 | 10.9 | 7.5 | 10.8 | 11.4 | 8.9 | 13.8 |
| District Heat | 99.8 | 28.7 | 21.7 | 31.1 | 15.7 | 18.0 | 75.6 | 27.6 | 22.5 |
| Boilers | 13.5 | 8.7 | 12.5 | 9.9 | 6.3 | 10.7 | 11.9 | 6.1 | 12.4 |
| Packaged Heating Units | 12.4 | 8.2 | 9.8 | 8.6 | 5.6 | 7.4 | 10.5 | 6.8 | 8.2 |
| Other | 20.5 | 22.7 | 17.8 | 12.9 | 17.6 | 20.8 | 13.8 | 13.6 | 16.4 |

RSEs for Table C11. Consumption and Gross Energy Intensity by Building Size for Sum of Major Fuels for Non-Mall Buildings, 2003

| | RSEs for Sum of Major Fuel Consumption | | | RSEs for Total Floorspace of Buildings | | | RSEs for Energy Intensity for Sum of Major Fuels | | |
|--|--|-------------------------------|--------------------------|--|-------------------------------|--------------------------|--|-------------------------------|--------------------------|
| | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet |
| All Buildings* | 5.8 | 5.0 | 9.4 | 4.5 | 3.7 | 7.1 | 5.7 | 4.9 | 8.1 |
| Cooling Equipment (more than one may apply) | | | | | | | | | |
| Residential-Type Central | | | | | | | | | |
| Air Conditioners | 11.5 | 12.1 | 24.2 | 8.2 | 8.7 | 18.4 | 9.2 | 12.1 | 24.2 |
| Heat Pumps | 16.0 | 14.2 | 26.7 | 11.6 | 10.0 | 11.2 | 14.5 | 12.3 | 22.1 |
| Packaged Heat Pumps | 27.0 | 17.3 | 36.3 | 13.9 | 10.7 | 15.8 | 20.4 | 15.3 | 28.1 |
| Split-System Heat Pumps | 10.0 | 26.2 | 51.4 | 20.4 | 16.0 | 25.1 | 15.9 | 23.6 | 42.4 |
| Individual Room Heat Pumps | 36.3 | 20.6 | 27.4 | 27.4 | 13.5 | 19.0 | 25.9 | 13.5 | 25.9 |
| Individual Air Conditioners | 15.6 | 9.3 | 12.9 | 7.6 | 7.0 | 12.4 | 13.8 | 7.8 | 15.4 |
| District Chilled Water | 99.8 | 24.1 | 26.8 | 57.8 | 16.6 | 15.4 | 75.1 | 23.6 | 26.6 |
| Central Chillers | 85.7 | 9.9 | 13.2 | 39.6 | 9.4 | 10.6 | 96.4 | 7.7 | 9.3 |
| Packaged Air Conditioning Units | | | | | | | | | |
| Swamp Coolers | 35.1 | 17.8 | 33.3 | 24.4 | 17.3 | 25.6 | 34.1 | 9.8 | 17.3 |
| Other | 58.0 | 29.9 | 23.8 | 47.1 | 23.6 | 30.3 | 29.7 | 19.7 | 34.1 |
| Main Equipment Replaced Since 1990 (more than one may apply) | | | | | | | | | |
| Heating | 8.7 | 10.6 | 21.9 | 6.5 | 6.2 | 12.4 | 8.8 | 8.2 | 19.8 |
| Cooling | 8.8 | 10.1 | 16.0 | 6.5 | 6.4 | 9.6 | 9.1 | 7.3 | 13.0 |
| Water Heating Equipment | | | | | | | | | |
| Centralized System | 6.2 | 4.9 | 10.5 | 4.4 | 3.8 | 9.4 | 6.2 | 4.6 | 8.7 |
| Distributed System | 17.4 | 10.3 | 21.1 | 9.9 | 8.4 | 17.6 | 12.5 | 9.9 | 22.8 |
| Combination of Centralized and Distributed System | 39.0 | 15.4 | 15.9 | 23.7 | 7.6 | 8.7 | 29.6 | 11.4 | 12.6 |
| Lighting Equipment Types (more than one may apply) | | | | | | | | | |
| Incandescent | 8.3 | 7.0 | 11.0 | 4.7 | 4.0 | 8.5 | 7.6 | 6.0 | 9.6 |
| Standard Fluorescent | 6.1 | 5.1 | 9.6 | 4.0 | 3.7 | 7.3 | 5.6 | 4.8 | 8.4 |
| Compact Fluorescent | 11.1 | 7.5 | 10.6 | 6.6 | 5.1 | 7.8 | 10.2 | 5.6 | 8.3 |
| High Intensity Discharge | 18.3 | 8.4 | 8.9 | 11.4 | 5.9 | 8.1 | 16.8 | 6.8 | 8.1 |
| Halogen | 17.5 | 10.4 | 10.9 | 10.2 | 6.4 | 8.8 | 15.1 | 9.0 | 7.5 |
| Other | 72.9 | 70.9 | 38.7 | 53.1 | 66.6 | 38.4 | 48.2 | 67.5 | 16.2 |
| Refrigeration Equipment (more than one may apply)^a | | | | | | | | | |
| Any Refrigeration | 6.3 | 5.5 | 9.5 | 4.9 | 3.5 | 7.0 | 6.2 | 4.8 | 7.7 |
| Commercial Refrigeration | 10.8 | 8.9 | 11.2 | 6.5 | 5.8 | 7.8 | 10.6 | 6.8 | 9.4 |
| Walk-In Units | 11.6 | 9.2 | 11.6 | 6.6 | 5.8 | 9.1 | 11.0 | 8.5 | 10.5 |
| Cases or Cabinets | 12.0 | 10.9 | 12.0 | 7.4 | 7.2 | 7.7 | 11.4 | 8.1 | 9.4 |
| Residential-Type Units | 7.9 | 5.2 | 10.1 | 6.1 | 4.3 | 8.1 | 5.9 | 4.6 | 8.8 |
| Vending Machines | 11.1 | 6.1 | 9.4 | 8.7 | 4.7 | 6.5 | 10.1 | 5.1 | 7.1 |
| No Refrigeration | 11.7 | 16.4 | 32.4 | 6.3 | 8.5 | 26.9 | 10.2 | 14.7 | 33.7 |

RSEs for Table C11. Consumption and Gross Energy Intensity by Building Size for Sum of Major Fuels for Non-Mall Buildings, 2003

| | RSEs for Sum of Major Fuel Consumption | | | RSEs for Total Floorspace of Buildings | | | RSEs for Energy Intensity for Sum of Major Fuels | | |
|---|--|-------------------------------|--------------------------|--|-------------------------------|--------------------------|--|-------------------------------|--------------------------|
| | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet |
| All Buildings* | 5.8 | 5.0 | 9.4 | 4.5 | 3.7 | 7.1 | 5.7 | 4.9 | 8.1 |
| Office Equipment (more than one may apply) | | | | | | | | | |
| Computers | 7.4 | 5.1 | 9.5 | 4.5 | 3.6 | 6.9 | 6.4 | 4.7 | 7.9 |
| With Flat Screen Monitors | 12.1 | 8.7 | 10.5 | 8.4 | 5.2 | 8.2 | 8.6 | 6.2 | 7.8 |
| Dedicated Servers | 12.2 | 6.5 | 10.3 | 5.4 | 4.4 | 6.6 | 10.5 | 5.2 | 8.0 |
| Laser Printers | 7.8 | 5.8 | 13.3 | 5.0 | 4.3 | 7.7 | 7.9 | 5.2 | 11.3 |
| Inkjet Printers | 10.5 | 7.6 | 9.9 | 7.2 | 4.6 | 7.8 | 6.9 | 6.5 | 7.1 |
| FAX Machines | 8.1 | 5.5 | 9.5 | 4.5 | 4.0 | 6.8 | 7.1 | 4.9 | 7.5 |
| Photocopiers | 10.4 | 5.5 | 9.5 | 5.5 | 4.1 | 6.9 | 8.2 | 4.7 | 7.8 |
| Number of Computers | | | | | | | | | |
| None | 9.6 | 17.0 | 47.1 | 7.5 | 11.8 | 30.5 | 8.5 | 17.3 | 36.8 |
| 1 to 4 | 7.6 | 10.9 | 34.6 | 5.5 | 8.1 | 36.9 | 6.6 | 10.5 | 46.3 |
| 5 to 9 | 13.1 | 15.2 | 33.5 | 8.3 | 8.4 | 27.0 | 12.8 | 12.8 | 35.9 |
| 10 to 19 | 17.9 | 12.0 | 33.5 | 11.8 | 9.4 | 22.6 | 13.3 | 9.2 | 21.8 |
| 20 to 49 | 23.4 | 13.5 | 17.2 | 15.3 | 8.2 | 16.6 | 22.4 | 10.8 | 16.8 |
| 50 to 99 | 71.4 | 11.3 | 23.7 | 48.4 | 7.5 | 24.5 | 60.9 | 8.4 | 27.9 |
| 100 to 249 | X | 10.7 | 17.9 | 100.1 | 9.7 | 11.2 | X | 7.2 | 14.7 |
| 250 or More | 0.0 | 24.0 | 12.9 | 0.0 | 18.7 | 9.2 | 0.0 | 15.0 | 10.6 |
| Number of Dedicated Servers | | | | | | | | | |
| None | 6.4 | 6.8 | 21.8 | 5.4 | 5.4 | 20.0 | 5.7 | 6.3 | 25.0 |
| 1 to 4 | 10.3 | 7.3 | 9.5 | 5.1 | 5.0 | 8.7 | 9.1 | 6.3 | 10.5 |
| 5 to 9 | 85.7 | 20.4 | 32.2 | 56.3 | 11.9 | 17.8 | 72.8 | 14.5 | 25.8 |
| 10 to 19 | 84.6 | 21.9 | 17.9 | 62.8 | 16.0 | 14.5 | 65.8 | 16.4 | 19.2 |
| 20 to 49 | 0.0 | 30.9 | 21.1 | 0.0 | 21.8 | 19.6 | 0.0 | 29.5 | 17.7 |
| 50 or More | 0.0 | 54.8 | 24.6 | 0.0 | 42.2 | 19.9 | 0.0 | 24.6 | 20.6 |
| Number of Photocopiers | | | | | | | | | |
| None | 6.8 | 11.6 | 32.5 | 6.0 | 7.1 | 24.1 | 7.2 | 11.1 | 40.4 |
| One | 11.5 | 8.6 | 21.5 | 6.9 | 6.5 | 19.3 | 9.2 | 6.3 | 25.8 |
| 2 to 4 | 15.4 | 8.5 | 13.4 | 8.8 | 5.6 | 10.7 | 12.2 | 7.7 | 11.0 |
| 5 to 9 | 77.2 | 13.2 | 21.0 | 34.6 | 9.6 | 14.4 | 67.2 | 10.0 | 20.5 |
| 10 or More | 0.0 | 15.7 | 13.8 | 0.0 | 13.2 | 10.0 | 0.0 | 9.5 | 10.3 |
| Energy-Related Space Functions (more than one may apply) | | | | | | | | | |
| Commercial Food Preparation | 12.1 | 8.0 | 12.4 | 6.8 | 6.6 | 9.4 | 11.7 | 5.4 | 10.8 |
| Activities with Large Amounts of Hot Water | 18.2 | 8.2 | 12.5 | 8.3 | 5.5 | 10.4 | 17.0 | 6.9 | 12.0 |
| Separate Computer Area | 20.1 | 6.7 | 10.8 | 13.7 | 5.0 | 7.7 | 13.4 | 5.0 | 8.0 |
| HVAC Conservation Features (more than one may apply) | | | | | | | | | |
| Variable Air-Volume System | 12.1 | 11.0 | 11.7 | 11.7 | 7.4 | 7.6 | 12.9 | 7.5 | 8.8 |
| Economizer Cycle | 15.5 | 7.5 | 10.8 | 10.3 | 6.5 | 7.8 | 14.9 | 4.6 | 8.3 |
| HVAC Maintenance | 7.1 | 5.5 | 9.5 | 4.5 | 4.1 | 7.5 | 6.3 | 5.0 | 8.2 |
| Energy Management and Control System (EMCS) | 42.6 | 9.0 | 11.9 | 21.5 | 8.2 | 7.4 | 28.4 | 6.1 | 9.3 |

RSEs for Table C11. Consumption and Gross Energy Intensity by Building Size for Sum of Major Fuels for Non-Mall Buildings, 2003

| | RSEs for Sum of Major Fuel Consumption | | | RSEs for Total Floorspace of Buildings | | | RSEs for Energy Intensity for Sum of Major Fuels | | |
|--|--|-------------------------------|--------------------------|--|-------------------------------|--------------------------|--|-------------------------------|--------------------------|
| | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet |
| All Buildings* | 5.8 | 5.0 | 9.4 | 4.5 | 3.7 | 7.1 | 5.7 | 4.9 | 8.1 |
| Window and Interior Lighting Features (more than one may apply) | | | | | | | | | |
| Multipaned Windows | 8.2 | 6.9 | 9.7 | 6.0 | 4.1 | 7.9 | 7.0 | 5.1 | 9.0 |
| Tinted Window Glass | 9.6 | 7.0 | 11.7 | 6.1 | 5.3 | 8.4 | 8.3 | 6.5 | 10.4 |
| Reflective Window Glass | 21.2 | 15.9 | 16.5 | 12.7 | 8.6 | 9.0 | 20.1 | 13.4 | 12.4 |
| External Overhangs or Awnings | 11.2 | 9.5 | 19.2 | 7.4 | 6.3 | 11.5 | 9.2 | 7.0 | 15.0 |
| Skylights or Atriums | 22.1 | 11.5 | 14.0 | 10.5 | 8.7 | 8.7 | 18.2 | 9.5 | 11.2 |
| Daylighting Sensors | 68.5 | 24.1 | 28.5 | 28.8 | 16.6 | 15.3 | 61.4 | 15.3 | 22.5 |
| Specular Reflectors | 12.8 | 6.7 | 11.8 | 8.0 | 4.9 | 8.3 | 11.2 | 5.2 | 10.4 |
| Electronic Ballasts | 8.9 | 5.3 | 10.0 | 6.2 | 4.0 | 7.4 | 7.4 | 5.2 | 8.5 |
| Energy Management and Control System (EMCS) For Lighting | 65.7 | 19.4 | 16.2 | 45.8 | 16.8 | 12.6 | 55.3 | 11.4 | 14.9 |
| Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^a | | | | | | | | | |
| Heating | 7.2 | 5.8 | 10.7 | 4.6 | 4.0 | 7.8 | 6.4 | 5.0 | 9.3 |
| Cooling | 8.0 | 6.0 | 10.5 | 4.9 | 4.0 | 7.6 | 6.9 | 5.0 | 8.8 |
| Lighting | 6.0 | 5.6 | 9.1 | 4.3 | 4.2 | 8.9 | 5.5 | 5.5 | 9.1 |
| Office Equipment | 9.6 | 8.0 | 13.5 | 6.7 | 6.5 | 15.6 | 7.6 | 7.4 | 15.5 |

X=No cases in the responding sample reported their consumption for the particular fuel, so relative standard error could not be calculated.

RSEs for Table C12. Consumption and Gross Energy Intensity by Year Constructed for Sum of Major Fuels for Non-Mall Buildings, 2003

| | RSEs for Sum of Major Fuel Consumption | | | RSEs for Total Floorspace of Buildings | | | RSEs for Energy Intensity for Sum of Major Fuels | | |
|--|--|--------------|--------------|--|--------------|--------------|--|--------------|--------------|
| | 1959 or Before | 1960 to 1989 | 1990 to 2003 | 1959 or Before | 1960 to 1989 | 1990 to 2003 | 1959 or Before | 1960 to 1989 | 1990 to 2003 |
| All Buildings* | 7.4 | 6.4 | 7.1 | 7.5 | 3.5 | 6.3 | 8.0 | 5.9 | 7.1 |
| Building Floorspace (Square Feet) | | | | | | | | | |
| 1,001 to 5,000 | 12.1 | 9.6 | 11.6 | 7.3 | 6.9 | 8.2 | 11.1 | 8.8 | 12.2 |
| 5,001 to 10,000 | 17.0 | 11.7 | 23.3 | 11.1 | 8.2 | 13.1 | 14.7 | 11.6 | 20.4 |
| 10,001 to 25,000 | 14.5 | 13.4 | 15.5 | 10.1 | 6.9 | 10.4 | 13.7 | 13.2 | 14.4 |
| 25,001 to 50,000 | 22.9 | 11.1 | 13.5 | 13.7 | 8.6 | 10.1 | 17.7 | 9.0 | 11.6 |
| 50,001 to 100,000 | 14.2 | 10.9 | 13.5 | 10.7 | 8.4 | 10.7 | 14.8 | 10.4 | 13.3 |
| 100,001 to 200,000 | 25.0 | 13.3 | 18.8 | 25.4 | 12.1 | 16.3 | 32.2 | 14.4 | 16.4 |
| 200,001 to 500,000 | 23.9 | 12.3 | 23.4 | 21.0 | 11.8 | 15.5 | 27.3 | 12.7 | 16.5 |
| Over 500,000 | 31.6 | 26.2 | 34.4 | 23.5 | 20.4 | 19.0 | 29.8 | 18.9 | 33.9 |
| Principal Building Activity | | | | | | | | | |
| Education | 13.6 | 9.6 | 14.7 | 10.2 | 9.3 | 12.8 | 12.6 | 10.1 | 13.6 |
| Food Sales | 51.6 | 22.4 | 30.3 | 20.5 | 18.2 | 20.1 | 36.4 | 18.2 | 30.7 |
| Food Service | 19.6 | 21.0 | 28.8 | 19.8 | 13.8 | 17.6 | 17.1 | 21.4 | 20.4 |
| Health Care | 20.4 | 16.4 | 18.8 | 24.1 | 8.9 | 10.8 | 32.1 | 12.7 | 15.8 |
| Inpatient | 24.3 | 17.4 | 28.9 | 38.2 | 9.5 | 24.8 | 59.7 | 13.6 | 20.5 |
| Outpatient | 39.2 | 28.6 | 24.7 | 23.8 | 16.8 | 13.6 | 23.0 | 22.3 | 20.8 |
| Lodging | 37.8 | 24.4 | 21.1 | 32.1 | 9.9 | 15.1 | 51.0 | 21.5 | 15.6 |
| Retail (Other Than Mall) | 32.9 | 14.1 | 19.3 | 12.9 | 11.3 | 15.2 | 27.9 | 10.5 | 14.6 |
| Office | 18.0 | 9.6 | 12.1 | 11.5 | 8.8 | 9.4 | 14.4 | 6.0 | 12.2 |
| Public Assembly | 15.6 | 20.3 | 25.4 | 24.2 | 13.4 | 16.3 | 32.8 | 18.4 | 24.8 |
| Public Order and Safety | 46.0 | 28.3 | 26.9 | 56.8 | 20.6 | 30.6 | 130.7 | 20.7 | 34.8 |
| Religious Worship | 17.9 | 15.9 | 22.8 | 13.7 | 11.9 | 14.4 | 13.5 | 9.9 | 14.6 |
| Service | 35.6 | 26.9 | 19.6 | 19.4 | 13.3 | 15.0 | 32.5 | 19.2 | 15.9 |
| Warehouse and Storage | 37.0 | 27.2 | 19.9 | 23.8 | 13.7 | 13.2 | 35.6 | 22.8 | 20.5 |
| Other | 42.7 | 48.4 | 43.2 | 29.5 | 31.4 | 35.1 | 45.9 | 57.2 | 44.7 |
| Vacant | 39.1 | 39.1 | 57.9 | 20.2 | 26.8 | 36.7 | 38.0 | 26.1 | 31.2 |
| Census Region and Division | | | | | | | | | |
| Northeast | 11.2 | 13.5 | 29.8 | 16.0 | 10.9 | 14.7 | 18.3 | 14.0 | 27.0 |
| New England | 22.6 | 30.6 | 66.3 | 31.2 | 19.4 | 29.0 | 22.7 | 14.2 | 58.2 |
| Middle Atlantic | 13.2 | 15.4 | 22.3 | 18.4 | 13.2 | 17.7 | 22.8 | 17.8 | 21.8 |
| Midwest | 14.0 | 10.1 | 11.0 | 13.3 | 6.8 | 13.0 | 12.3 | 8.9 | 8.3 |
| East North Central | 13.0 | 13.2 | 13.2 | 16.1 | 7.7 | 18.4 | 15.5 | 11.1 | 9.2 |
| West North Central | 35.7 | 13.9 | 18.7 | 21.4 | 16.8 | 17.1 | 23.5 | 12.5 | 15.5 |
| South | 16.7 | 11.1 | 10.2 | 14.7 | 5.5 | 10.1 | 15.0 | 11.2 | 12.2 |
| South Atlantic | 24.0 | 16.9 | 15.2 | 23.4 | 7.9 | 10.3 | 21.5 | 16.9 | 17.0 |
| East South Central | 44.4 | 26.2 | 13.1 | 25.2 | 11.5 | 29.6 | 28.6 | 29.2 | 19.8 |
| West South Central | 23.4 | 15.9 | 18.1 | 16.1 | 10.0 | 24.8 | 17.6 | 13.2 | 18.4 |
| West | 14.1 | 15.2 | 16.7 | 11.3 | 7.7 | 14.9 | 14.8 | 13.4 | 11.6 |
| Mountain | 22.9 | 24.3 | 23.8 | 13.5 | 16.3 | 23.4 | 12.3 | 22.6 | 11.0 |
| Pacific | 17.6 | 16.1 | 21.9 | 13.9 | 7.0 | 18.4 | 20.0 | 13.6 | 17.2 |
| Climate Zone: 30-Year Average | | | | | | | | | |
| Under 2,000 CDD and -- | | | | | | | | | |
| More than 7,000 HDD | 13.2 | 13.2 | 17.6 | 15.5 | 12.9 | 18.2 | 17.2 | 6.5 | 8.9 |
| 5,500-7,000 HDD | 12.9 | 13.8 | 16.5 | 14.6 | 7.8 | 14.8 | 11.3 | 12.5 | 14.5 |
| 4,000-5,499 HDD | 23.8 | 26.9 | 21.0 | 21.4 | 18.3 | 18.5 | 25.6 | 17.0 | 12.0 |
| Fewer than 4,000 HDD | 16.0 | 12.6 | 18.8 | 13.4 | 12.4 | 15.6 | 13.6 | 8.8 | 16.4 |
| 2,000 CDD or More and -- | | | | | | | | | |
| Fewer than 4,000 HDD | 29.4 | 15.0 | 16.4 | 25.9 | 9.1 | 18.5 | 22.6 | 10.8 | 18.5 |

RSEs for Table C12. Consumption and Gross Energy Intensity by Year Constructed for Sum of Major Fuels for Non-Mall Buildings, 2003

| | RSEs for Sum of Major Fuel Consumption | | | RSEs for Total Floorspace of Buildings | | | RSEs for Energy Intensity for Sum of Major Fuels | | |
|---|--|--------------|--------------|--|--------------|--------------|--|--------------|--------------|
| | 1959 or Before | 1960 to 1989 | 1990 to 2003 | 1959 or Before | 1960 to 1989 | 1990 to 2003 | 1959 or Before | 1960 to 1989 | 1990 to 2003 |
| All Buildings* | 7.4 | 6.4 | 7.1 | 7.5 | 3.5 | 6.3 | 8.0 | 5.9 | 7.1 |
| Number of Floors | | | | | | | | | |
| One | 14.7 | 6.5 | 7.7 | 11.2 | 6.0 | 8.5 | 15.1 | 6.5 | 7.6 |
| Two | 12.9 | 11.9 | 16.3 | 10.3 | 6.1 | 8.2 | 13.6 | 9.5 | 13.7 |
| Three | 15.1 | 13.7 | 26.4 | 12.6 | 9.6 | 15.1 | 14.4 | 10.7 | 21.1 |
| Four to Nine | 17.5 | 14.8 | 25.8 | 18.6 | 11.1 | 13.5 | 17.8 | 12.6 | 24.7 |
| Ten or More | 28.9 | 26.2 | 37.8 | 19.6 | 17.8 | 29.3 | 29.0 | 21.2 | 26.8 |
| Elevators and Escalators (more than one may apply) | | | | | | | | | |
| Any Elevators | 12.3 | 10.6 | 11.6 | 10.6 | 7.6 | 7.1 | 12.6 | 8.3 | 10.7 |
| Number of Elevators | | | | | | | | | |
| One | 15.5 | 13.7 | 13.6 | 13.3 | 10.9 | 9.9 | 14.3 | 10.6 | 8.9 |
| Two to Five | 22.6 | 10.3 | 22.2 | 17.0 | 10.0 | 13.0 | 22.9 | 10.6 | 19.1 |
| Six or More | 27.3 | 20.6 | 30.7 | 22.6 | 16.0 | 18.4 | 21.9 | 15.5 | 30.3 |
| Any Escalators | 59.2 | 40.0 | 59.5 | 34.8 | 23.0 | 28.9 | 34.8 | 30.0 | 52.4 |
| Number of Workers (main shift) | | | | | | | | | |
| Fewer than 5 | 12.0 | 9.0 | 11.7 | 11.4 | 8.0 | 9.3 | 13.7 | 8.5 | 12.7 |
| 5 to 9 | 11.6 | 12.8 | 16.8 | 11.9 | 9.2 | 11.3 | 10.6 | 12.1 | 14.0 |
| 10 to 19 | 16.2 | 10.4 | 13.5 | 19.1 | 7.3 | 12.0 | 23.8 | 11.2 | 12.2 |
| 20 to 49 | 16.5 | 14.2 | 15.7 | 16.1 | 7.6 | 14.4 | 18.2 | 11.3 | 11.0 |
| 50 to 99 | 20.1 | 11.0 | 15.4 | 15.3 | 11.8 | 11.9 | 20.7 | 10.1 | 11.7 |
| 100 to 249 | 24.9 | 14.5 | 19.4 | 19.1 | 11.3 | 11.8 | 27.7 | 11.3 | 17.3 |
| 250 or More | 22.9 | 17.1 | 19.9 | 17.8 | 12.1 | 12.9 | 20.6 | 11.9 | 19.3 |
| Weekly Operating Hours | | | | | | | | | |
| Fewer than 40 | 13.8 | 14.5 | 20.1 | 12.8 | 14.2 | 15.1 | 14.4 | 14.0 | 17.7 |
| 40 to 48 | 13.2 | 12.0 | 13.6 | 12.1 | 9.0 | 10.1 | 15.3 | 9.5 | 14.8 |
| 49 to 60 | 14.5 | 10.7 | 13.8 | 12.6 | 6.4 | 11.2 | 14.7 | 9.0 | 8.9 |
| 61 to 84 | 17.8 | 10.9 | 15.1 | 13.0 | 8.4 | 12.9 | 16.9 | 9.0 | 12.3 |
| 85 to 167 | 24.3 | 9.3 | 14.3 | 17.7 | 11.0 | 13.7 | 15.2 | 10.7 | 14.3 |
| Open Continuously | 19.2 | 13.5 | 16.1 | 12.2 | 6.8 | 9.8 | 19.7 | 11.1 | 14.1 |
| Ownership and Occupancy | | | | | | | | | |
| Nongovernment Owned | 8.4 | 7.2 | 7.4 | 8.1 | 3.7 | 6.1 | 9.5 | 6.5 | 7.5 |
| Owner Occupied | 11.3 | 9.0 | 11.5 | 10.1 | 6.0 | 8.1 | 10.3 | 7.2 | 9.1 |
| Nonowner Occupied | 14.5 | 10.1 | 11.3 | 9.9 | 5.3 | 9.1 | 15.8 | 8.9 | 10.7 |
| Unoccupied | 85.9 | 49.9 | 77.7 | 25.2 | 31.6 | 39.7 | 88.0 | 28.7 | 39.1 |
| Government Owned | 13.5 | 12.6 | 11.3 | 11.5 | 7.8 | 11.5 | 12.8 | 12.1 | 10.9 |
| Federal | 46.2 | 41.7 | 38.4 | 44.9 | 32.5 | 41.4 | 47.0 | 28.1 | 41.7 |
| State | 27.7 | 18.7 | 25.8 | 18.3 | 18.1 | 23.6 | 16.9 | 23.5 | 25.7 |
| Local | 14.4 | 12.4 | 14.4 | 11.7 | 9.6 | 12.2 | 13.6 | 9.3 | 13.9 |
| Vacancy Status | | | | | | | | | |
| Completely Vacant | 50.4 | 49.9 | 77.7 | 22.6 | 31.1 | 39.7 | 51.2 | 28.9 | 39.1 |
| Mostly Vacant | 55.2 | 60.2 | 70.8 | 47.6 | 40.1 | 58.4 | 33.9 | 60.7 | 49.0 |
| Partially Vacant | 17.7 | 13.8 | 17.0 | 12.4 | 9.5 | 11.2 | 15.3 | 9.9 | 15.9 |
| Not At All Vacant | 8.4 | 6.9 | 8.0 | 8.7 | 4.2 | 6.2 | 9.6 | 6.7 | 7.7 |
| Number of Establishments | | | | | | | | | |
| One | 8.4 | 7.4 | 7.6 | 9.6 | 4.2 | 6.9 | 10.2 | 7.1 | 6.6 |
| 2 to 5 | 12.5 | 11.2 | 14.2 | 11.8 | 8.3 | 9.7 | 13.1 | 10.6 | 11.2 |
| 6 to 10 | 27.8 | 26.1 | 35.0 | 26.5 | 13.3 | 40.2 | 15.5 | 23.5 | 38.4 |
| 11 to 20 | 45.5 | 29.0 | 46.7 | 49.3 | 18.3 | 24.8 | 54.8 | 21.8 | 41.1 |
| More than 20 | 50.0 | 26.4 | 62.6 | 22.5 | 18.0 | 28.2 | 43.0 | 16.3 | 52.9 |
| Currently Unoccupied | 50.4 | 49.9 | 77.7 | 22.6 | 31.1 | 39.7 | 51.2 | 28.9 | 39.1 |

RSEs for Table C12. Consumption and Gross Energy Intensity by Year Constructed for Sum of Major Fuels for Non-Mall Buildings, 2003

| | RSEs for Sum of Major Fuel Consumption | | | RSEs for Total Floorspace of Buildings | | | RSEs for Energy Intensity for Sum of Major Fuels | | |
|---|--|--------------|--------------|--|--------------|--------------|--|--------------|--------------|
| | 1959 or Before | 1960 to 1989 | 1990 to 2003 | 1959 or Before | 1960 to 1989 | 1990 to 2003 | 1959 or Before | 1960 to 1989 | 1990 to 2003 |
| All Buildings* | 7.4 | 6.4 | 7.1 | 7.5 | 3.5 | 6.3 | 8.0 | 5.9 | 7.1 |
| Predominant Exterior Wall Material | | | | | | | | | |
| Brick, Stone or Stucco | 7.3 | 7.3 | 9.5 | 8.5 | 5.7 | 9.5 | 8.7 | 6.5 | 9.0 |
| Concrete (Block or Poured) | 19.8 | 14.4 | 15.7 | 12.1 | 8.4 | 12.2 | 18.5 | 11.9 | 13.0 |
| Concrete Panels | 42.5 | 29.5 | 18.9 | 26.0 | 13.1 | 15.8 | 23.0 | 22.5 | 19.3 |
| Siding or Shingles | 21.6 | 19.8 | 18.8 | 13.5 | 14.0 | 13.8 | 20.4 | 11.9 | 19.8 |
| Metal Panels | 56.7 | 16.2 | 24.2 | 28.6 | 10.7 | 10.6 | 29.2 | 12.5 | 25.8 |
| Window Glass | 93.8 | 27.9 | 44.3 | 56.3 | 24.0 | 22.2 | 92.7 | 22.9 | 39.1 |
| Other | 66.8 | 37.4 | 46.3 | 43.0 | 22.9 | 32.3 | 85.5 | 26.6 | 31.1 |
| No One Major Type | 72.6 | 60.0 | 63.2 | 58.9 | 29.9 | 43.5 | 50.4 | 46.4 | 58.2 |
| Predominant Roof Material | | | | | | | | | |
| Built-Up | 10.9 | 10.6 | 15.2 | 9.3 | 5.5 | 12.4 | 10.6 | 8.8 | 14.5 |
| Shingles (Not Wood) | 17.6 | 10.9 | 14.2 | 9.1 | 5.7 | 8.4 | 15.5 | 11.7 | 13.7 |
| Metal Surfacing | 22.4 | 14.4 | 11.6 | 17.2 | 9.8 | 10.6 | 18.8 | 12.2 | 10.9 |
| Synthetic or Rubber | 13.9 | 12.0 | 14.2 | 10.9 | 8.5 | 9.3 | 13.2 | 10.2 | 12.9 |
| Slate or Tile | 20.3 | 22.1 | 23.1 | 15.5 | 17.8 | 16.6 | 19.4 | 18.2 | 17.8 |
| Wooden Materials | 34.0 | 25.8 | 53.0 | 24.2 | 20.5 | 47.1 | 35.3 | 22.1 | 88.4 |
| Concrete | 45.6 | 45.9 | 51.7 | 58.5 | 26.1 | 34.3 | 108.9 | 41.9 | 40.0 |
| Other | 100.2 | 39.0 | 39.4 | 61.3 | 45.9 | 39.6 | 149.8 | 76.7 | 31.3 |
| No One Major Type | 42.1 | 50.8 | 55.2 | 50.3 | 34.4 | 48.2 | 29.8 | 39.4 | 44.4 |
| Renovations in Buildings Constructed Before 1980 (more than one may apply) | | | | | | | | | |
| Any Type of Renovation | | | | | | | | | |
| Since 1980 | 9.9 | 7.8 | 0.0 | 8.2 | 6.4 | 0.0 | 8.7 | 6.4 | 0.0 |
| Addition or Annex | 16.2 | 12.9 | 0.0 | 14.9 | 8.3 | 0.0 | 17.3 | 9.4 | 0.0 |
| Reduction In Floorspace | 37.5 | 35.6 | 0.0 | 30.0 | 26.2 | 0.0 | 26.5 | 19.9 | 0.0 |
| Cosmetic Improvements | 10.0 | 9.6 | 0.0 | 8.7 | 7.8 | 0.0 | 9.6 | 8.6 | 0.0 |
| Wall or Roof Replacement | 14.8 | 14.3 | 0.0 | 11.1 | 9.7 | 0.0 | 13.1 | 10.1 | 0.0 |
| Interior Wall | | | | | | | | | |
| Re-Configuration | 12.6 | 10.8 | 0.0 | 10.5 | 7.9 | 0.0 | 11.7 | 8.1 | 0.0 |
| HVAC Equipment Upgrade | 12.5 | 8.6 | 0.0 | 8.5 | 7.8 | 0.0 | 9.9 | 6.6 | 0.0 |
| Lighting Upgrade | 10.9 | 9.8 | 0.0 | 10.3 | 8.5 | 0.0 | 10.0 | 8.0 | 0.0 |
| Window Replacement | 12.9 | 15.9 | 0.0 | 11.2 | 11.1 | 0.0 | 13.2 | 12.3 | 0.0 |
| Plumbing System Upgrade | 13.6 | 14.1 | 0.0 | 11.4 | 10.6 | 0.0 | 13.8 | 9.4 | 0.0 |
| Insulation Upgrade | 16.2 | 16.7 | 0.0 | 13.5 | 13.7 | 0.0 | 14.6 | 11.8 | 0.0 |
| Other Renovation | 37.7 | 49.9 | 0.0 | 28.0 | 39.5 | 0.0 | 35.3 | 17.7 | 0.0 |
| No Renovations Since 1980 | 8.3 | 10.8 | 0.0 | 10.1 | 5.2 | 0.0 | 8.9 | 9.9 | 0.0 |
| Building Newer than 1980 | 0.0 | 11.5 | 7.1 | 0.0 | 6.4 | 6.3 | 0.0 | 10.4 | 7.1 |
| Energy Sources (more than one may apply) | | | | | | | | | |
| Electricity | 7.4 | 6.4 | 7.1 | 9.2 | 4.3 | 6.2 | 9.2 | 5.2 | 6.1 |
| Natural Gas | 8.1 | 7.9 | 8.4 | 9.4 | 5.5 | 7.8 | 8.5 | 5.5 | 7.9 |
| Fuel Oil | 17.8 | 13.0 | 14.4 | 13.9 | 9.5 | 12.9 | 15.7 | 11.3 | 9.9 |
| District Heat | 33.0 | 23.4 | 33.6 | 23.8 | 14.7 | 26.4 | 30.8 | 22.9 | 36.0 |
| District Chilled Water | 39.8 | 25.9 | 28.9 | 31.8 | 13.5 | 26.8 | 45.7 | 24.4 | 30.1 |
| Propane | 23.2 | 20.3 | 22.0 | 25.9 | 12.0 | 18.5 | 27.2 | 15.4 | 23.3 |
| Other | 27.8 | 31.6 | 45.2 | 25.4 | 18.5 | 25.1 | 21.7 | 17.2 | 35.0 |

RSEs for Table C12. Consumption and Gross Energy Intensity by Year Constructed for Sum of Major Fuels for Non-Mall Buildings, 2003

| | RSEs for Sum of Major Fuel Consumption | | | RSEs for Total Floorspace of Buildings | | | RSEs for Energy Intensity for Sum of Major Fuels | | |
|---|--|--------------|--------------|--|--------------|--------------|--|--------------|--------------|
| | 1959 or Before | 1960 to 1989 | 1990 to 2003 | 1959 or Before | 1960 to 1989 | 1990 to 2003 | 1959 or Before | 1960 to 1989 | 1990 to 2003 |
| All Buildings* | 7.4 | 6.4 | 7.1 | 7.5 | 3.5 | 6.3 | 8.0 | 5.9 | 7.1 |
| Space-Heating Energy Sources (more than one may apply) | | | | | | | | | |
| Electricity | 12.9 | 10.0 | 10.5 | 9.4 | 5.3 | 8.1 | 10.5 | 8.6 | 11.1 |
| Natural Gas | 8.6 | 8.3 | 8.7 | 8.0 | 6.0 | 7.0 | 6.3 | 6.9 | 7.4 |
| Fuel Oil | 20.7 | 17.2 | 25.2 | 25.5 | 12.6 | 23.7 | 38.3 | 13.1 | 22.4 |
| District Heat | 33.0 | 23.4 | 33.6 | 24.3 | 14.9 | 28.1 | 30.9 | 22.7 | 36.9 |
| Propane | 33.7 | 25.0 | 39.3 | 32.7 | 20.1 | 22.1 | 39.9 | 16.1 | 35.2 |
| Other | 35.0 | 40.2 | 75.0 | 27.2 | 24.9 | 33.3 | 19.3 | 16.6 | 55.8 |
| Primary Space-Heating Energy Source | | | | | | | | | |
| Electricity | 21.8 | 8.1 | 10.8 | 19.2 | 6.8 | 10.9 | 17.2 | 6.6 | 10.8 |
| Natural Gas | 9.2 | 8.8 | 9.5 | 8.3 | 6.0 | 7.4 | 7.0 | 7.2 | 8.4 |
| Fuel Oil | 23.3 | 27.6 | 49.1 | 31.6 | 15.9 | 41.4 | 48.5 | 21.3 | 30.2 |
| District Heat | 33.0 | 24.7 | 33.6 | 25.4 | 15.0 | 29.4 | 30.9 | 24.5 | 37.4 |
| Propane | 45.3 | 26.5 | 48.0 | 21.9 | 25.1 | 23.6 | 36.5 | 8.8 | 44.3 |
| Other | 54.0 | 32.5 | 69.3 | 31.3 | 17.9 | 45.5 | 25.7 | 24.1 | 60.7 |
| Cooling Energy Sources (more than one may apply) | | | | | | | | | |
| Electricity | 8.3 | 7.0 | 7.0 | 8.3 | 4.1 | 5.8 | 7.8 | 6.0 | 6.8 |
| Natural Gas | 44.0 | 27.7 | 51.4 | 45.2 | 22.3 | 34.2 | 73.7 | 21.2 | 42.2 |
| District Chilled Water | 39.8 | 25.9 | 28.9 | 31.8 | 13.5 | 26.8 | 45.7 | 24.4 | 30.1 |
| Water-Heating Energy Sources (more than one may apply) | | | | | | | | | |
| Electricity | 13.4 | 8.0 | 12.2 | 10.9 | 6.0 | 7.5 | 12.3 | 7.2 | 12.3 |
| Natural Gas | 10.1 | 9.2 | 10.3 | 9.8 | 5.8 | 8.1 | 9.4 | 7.7 | 8.8 |
| Fuel Oil | 32.4 | 27.8 | 46.0 | 33.5 | 18.0 | 41.3 | 65.8 | 18.6 | 34.1 |
| District Heat | 33.9 | 25.9 | 41.2 | 23.4 | 18.0 | 21.5 | 26.6 | 26.6 | 34.3 |
| Propane | 37.8 | 35.2 | 50.5 | 22.4 | 26.1 | 25.3 | 29.6 | 21.0 | 46.7 |
| Cooking Energy Sources (more than one may apply) | | | | | | | | | |
| Electricity | 14.7 | 13.6 | 17.4 | 12.0 | 8.8 | 9.2 | 11.0 | 11.8 | 13.6 |
| Natural Gas | 11.7 | 12.4 | 16.0 | 17.7 | 7.3 | 10.9 | 18.8 | 9.6 | 12.5 |
| Propane | 33.9 | 24.4 | 49.9 | 24.5 | 17.9 | 28.0 | 27.2 | 18.2 | 40.3 |
| Energy End Uses (more than one may apply) | | | | | | | | | |
| Buildings with Space Heating | 7.5 | 6.4 | 7.3 | 7.8 | 3.6 | 6.0 | 8.1 | 5.8 | 7.0 |
| Buildings with Cooling | 8.2 | 6.8 | 7.2 | 8.1 | 4.0 | 6.1 | 7.8 | 5.8 | 6.9 |
| Buildings with Water Heating | 7.7 | 6.6 | 7.3 | 8.0 | 3.8 | 6.1 | 8.2 | 6.0 | 6.8 |
| Buildings with Cooking | 10.6 | 10.5 | 13.0 | 13.8 | 6.4 | 9.0 | 13.5 | 8.6 | 10.6 |
| Buildings with Manufacturing | 36.2 | 30.5 | 40.3 | 26.9 | 18.2 | 28.5 | 33.7 | 21.3 | 33.3 |
| Buildings with Electricity Generation | 23.3 | 12.8 | 11.8 | 14.8 | 8.8 | 9.1 | 20.9 | 11.5 | 11.2 |
| Percent of Floorspace Heated | | | | | | | | | |
| Not Heated | 22.3 | 25.1 | 34.8 | 16.1 | 13.6 | 14.3 | 22.1 | 27.9 | 29.7 |
| 1 to 50 | 25.3 | 20.2 | 25.6 | 17.9 | 12.3 | 16.0 | 18.2 | 17.5 | 25.9 |
| 51 to 99 | 15.2 | 16.6 | 14.8 | 11.2 | 11.2 | 11.3 | 13.1 | 10.9 | 10.8 |
| 100 | 8.7 | 7.4 | 7.6 | 10.2 | 4.4 | 6.6 | 10.1 | 7.0 | 7.0 |

RSEs for Table C12. Consumption and Gross Energy Intensity by Year Constructed for Sum of Major Fuels for Non-Mall Buildings, 2003

| | RSEs for Sum of Major Fuel Consumption | | | RSEs for Total Floorspace of Buildings | | | RSEs for Energy Intensity for Sum of Major Fuels | | |
|---|--|--------------|--------------|--|--------------|--------------|--|--------------|--------------|
| | 1959 or Before | 1960 to 1989 | 1990 to 2003 | 1959 or Before | 1960 to 1989 | 1990 to 2003 | 1959 or Before | 1960 to 1989 | 1990 to 2003 |
| All Buildings* | 7.4 | 6.4 | 7.1 | 7.5 | 3.5 | 6.3 | 8.0 | 5.9 | 7.1 |
| Percent of Floorspace Cooled | | | | | | | | | |
| Not Cooled | 19.4 | 18.1 | 26.5 | 15.5 | 15.4 | 14.4 | 19.6 | 13.4 | 20.9 |
| 1 to 50 | 13.4 | 18.2 | 17.1 | 11.7 | 9.3 | 11.1 | 12.3 | 14.1 | 16.8 |
| 51 to 99 | 15.2 | 10.0 | 14.6 | 12.2 | 7.4 | 8.8 | 15.1 | 8.8 | 10.8 |
| 100 | 12.6 | 9.5 | 7.8 | 8.6 | 6.1 | 7.6 | 10.6 | 8.1 | 7.8 |
| Percent Lit When Open | | | | | | | | | |
| Zero | 81.2 | 68.7 | 41.2 | 44.1 | 51.1 | 38.9 | 77.8 | 81.0 | 25.6 |
| 1 to 50 | 13.5 | 15.5 | 18.8 | 12.2 | 9.0 | 14.5 | 15.6 | 12.9 | 16.8 |
| 51 to 99 | 10.4 | 7.6 | 9.8 | 7.7 | 5.3 | 9.0 | 8.3 | 6.4 | 8.3 |
| 100 | 12.2 | 9.2 | 8.4 | 11.3 | 5.2 | 5.9 | 12.3 | 8.1 | 8.8 |
| Building Never Open/ Electricity Not Used | 37.0 | 44.3 | 59.6 | 20.2 | 24.4 | 21.4 | 37.8 | 27.9 | 41.8 |
| Percent Lit When Closed | | | | | | | | | |
| Zero | 10.7 | 6.8 | 12.0 | 11.2 | 5.8 | 10.2 | 10.7 | 6.1 | 10.7 |
| 1 to 50 | 10.5 | 7.3 | 9.5 | 9.3 | 4.7 | 7.9 | 10.6 | 7.2 | 6.5 |
| 51 to 100 | 30.2 | 19.1 | 32.2 | 23.2 | 15.1 | 24.4 | 26.4 | 19.3 | 34.7 |
| Building Never Closed/ Electricity Not Used | 19.2 | 13.5 | 16.1 | 10.4 | 6.4 | 9.3 | 19.7 | 11.4 | 14.2 |
| Heating Equipment (more than one may apply) | | | | | | | | | |
| Heat Pumps | 22.3 | 23.1 | 21.0 | 13.8 | 11.2 | 9.6 | 17.3 | 18.7 | 20.4 |
| Packaged Heat Pumps | 29.1 | 29.2 | 23.5 | 16.2 | 12.4 | 11.4 | 26.3 | 23.0 | 23.5 |
| Split-System Heat Pumps | 26.8 | 39.7 | 34.0 | 26.1 | 22.5 | 18.5 | 12.1 | 34.0 | 36.7 |
| Individual Room Heat Pumps | 31.5 | 22.4 | 37.3 | 24.5 | 18.6 | 18.5 | 32.7 | 16.0 | 37.4 |
| Furnaces | 12.5 | 7.6 | 13.7 | 9.5 | 5.0 | 9.2 | 11.1 | 6.2 | 12.6 |
| Individual Space Heaters | 18.0 | 12.4 | 15.6 | 13.0 | 7.9 | 9.1 | 13.8 | 10.8 | 14.2 |
| District Heat | 33.0 | 23.4 | 33.6 | 24.3 | 15.0 | 28.1 | 30.9 | 22.5 | 36.9 |
| Boilers | 8.3 | 11.6 | 14.7 | 12.6 | 8.2 | 10.0 | 11.7 | 9.0 | 12.7 |
| Packaged Heating Units | 12.7 | 7.6 | 11.4 | 10.2 | 5.8 | 7.2 | 10.3 | 7.1 | 9.0 |
| Other | 28.7 | 16.2 | 23.2 | 22.0 | 14.2 | 21.3 | 22.7 | 10.3 | 20.1 |
| Cooling Equipment (more than one may apply) | | | | | | | | | |
| Residential-Type Central | | | | | | | | | |
| Air Conditioners | 16.1 | 14.1 | 24.8 | 14.2 | 7.4 | 13.1 | 17.1 | 12.8 | 23.3 |
| Heat Pumps | 21.6 | 23.0 | 20.5 | 13.5 | 11.2 | 10.5 | 16.2 | 18.6 | 21.1 |
| Packaged Heat Pumps | 29.7 | 29.4 | 24.2 | 15.7 | 12.7 | 13.8 | 27.4 | 23.2 | 23.4 |
| Split-System Heat Pumps | 25.6 | 41.4 | 32.7 | 24.8 | 22.6 | 18.3 | 10.8 | 35.8 | 33.3 |
| Individual Room Heat Pumps | 31.5 | 21.4 | 38.5 | 25.4 | 17.8 | 15.1 | 31.9 | 15.0 | 37.2 |
| Individual Air Conditioners | 9.3 | 11.3 | 23.7 | 12.4 | 8.1 | 14.6 | 13.2 | 9.2 | 23.1 |
| District Chilled Water | 39.8 | 25.9 | 28.9 | 31.8 | 13.5 | 26.8 | 45.7 | 24.4 | 30.1 |
| Central Chillers | 18.3 | 14.1 | 17.5 | 14.7 | 10.5 | 11.4 | 15.8 | 10.6 | 12.2 |
| Packaged Air Conditioning Units | 9.1 | 7.7 | 7.8 | 10.9 | 5.7 | 7.5 | 11.6 | 7.0 | 7.0 |
| Swamp Coolers | 40.7 | 16.4 | 43.8 | 33.2 | 18.8 | 27.2 | 18.3 | 11.6 | 30.9 |
| Other | 43.1 | 28.3 | 33.4 | 44.3 | 23.4 | 24.9 | 69.3 | 19.6 | 22.2 |
| Main Equipment Replaced Since 1990 (more than one may apply) | | | | | | | | | |
| Heating | 12.2 | 11.5 | 0.0 | 9.6 | 6.0 | 0.0 | 10.0 | 9.9 | 0.0 |
| Cooling | 11.5 | 9.7 | 0.0 | 9.1 | 5.7 | 0.0 | 8.2 | 8.3 | 0.0 |

RSEs for Table C12. Consumption and Gross Energy Intensity by Year Constructed for Sum of Major Fuels for Non-Mall Buildings, 2003

| | RSEs for Sum of Major Fuel Consumption | | | RSEs for Total Floorspace of Buildings | | | RSEs for Energy Intensity for Sum of Major Fuels | | |
|--|--|--------------|--------------|--|--------------|--------------|--|--------------|--------------|
| | 1959 or Before | 1960 to 1989 | 1990 to 2003 | 1959 or Before | 1960 to 1989 | 1990 to 2003 | 1959 or Before | 1960 to 1989 | 1990 to 2003 |
| All Buildings* | 7.4 | 6.4 | 7.1 | 7.5 | 3.5 | 6.3 | 8.0 | 5.9 | 7.1 |
| Water Heating Equipment | | | | | | | | | |
| Centralized System | 8.0 | 6.8 | 8.3 | 8.0 | 4.8 | 5.9 | 9.0 | 5.6 | 7.5 |
| Distributed System | 16.2 | 13.0 | 17.3 | 19.4 | 9.1 | 11.8 | 19.0 | 10.8 | 16.0 |
| Combination of Centralized and Distributed System | 20.0 | 16.9 | 16.0 | 13.4 | 9.9 | 13.6 | 16.1 | 13.0 | 16.1 |
| Lighting Equipment Types (more than one may apply) | | | | | | | | | |
| Incandescent | 9.3 | 8.2 | 10.5 | 9.4 | 5.0 | 7.5 | 10.9 | 7.2 | 10.4 |
| Standard Fluorescent | 7.5 | 6.5 | 7.4 | 8.0 | 3.8 | 6.2 | 8.4 | 6.1 | 7.3 |
| Compact Fluorescent | 10.3 | 9.9 | 10.9 | 9.4 | 6.5 | 7.4 | 11.1 | 8.4 | 9.6 |
| High Intensity Discharge | 13.4 | 8.8 | 10.3 | 12.8 | 7.2 | 6.4 | 12.8 | 7.3 | 11.3 |
| Halogen | 17.7 | 10.2 | 12.1 | 12.0 | 8.0 | 7.2 | 14.9 | 7.1 | 11.3 |
| Other | 84.5 | 40.5 | 64.4 | 71.8 | 40.5 | 55.6 | 42.1 | 27.1 | 31.6 |
| Refrigeration Equipment (more than one may apply)^a | | | | | | | | | |
| Any Refrigeration..... | 8.2 | 7.1 | 7.4 | 8.1 | 3.8 | 6.2 | 8.2 | 6.1 | 6.8 |
| Commercial Refrigeration | 10.2 | 9.5 | 11.3 | 11.1 | 6.5 | 6.7 | 10.9 | 8.3 | 8.4 |
| Walk-In Units | 11.3 | 10.7 | 12.4 | 15.1 | 7.2 | 7.9 | 16.8 | 9.5 | 10.5 |
| Cases or Cabinets | 12.0 | 11.0 | 11.0 | 10.4 | 7.0 | 6.2 | 9.5 | 8.9 | 8.4 |
| Residential-Type Units | 7.7 | 7.2 | 9.6 | 9.2 | 4.3 | 7.3 | 10.1 | 5.5 | 8.8 |
| Vending Machines | 11.0 | 8.6 | 8.6 | 8.9 | 5.3 | 7.5 | 10.7 | 7.1 | 8.0 |
| No Refrigeration | 12.0 | 13.5 | 21.5 | 13.7 | 8.0 | 10.7 | 15.9 | 12.0 | 22.4 |
| Office Equipment (more than one may apply) | | | | | | | | | |
| Computers | 7.6 | 6.9 | 7.6 | 7.9 | 3.9 | 6.2 | 8.2 | 6.1 | 7.0 |
| With Flat Screen Monitors | 12.3 | 9.6 | 10.0 | 10.4 | 6.5 | 7.3 | 10.5 | 7.9 | 8.9 |
| Dedicated Servers | 10.1 | 8.0 | 10.0 | 9.1 | 5.4 | 7.1 | 9.8 | 6.9 | 8.9 |
| Laser Printers | 8.3 | 9.1 | 7.7 | 8.7 | 4.2 | 7.9 | 10.1 | 8.3 | 7.7 |
| Inkjet Printers | 10.2 | 8.8 | 10.6 | 8.3 | 6.3 | 6.2 | 8.0 | 6.9 | 9.8 |
| FAX Machines | 8.0 | 7.1 | 7.7 | 8.1 | 4.1 | 6.7 | 8.5 | 6.0 | 7.3 |
| Photocopiers | 8.6 | 7.7 | 8.8 | 8.5 | 4.6 | 7.1 | 9.1 | 6.8 | 7.4 |
| Number of Computers | | | | | | | | | |
| None | 14.3 | 11.1 | 25.2 | 12.2 | 10.7 | 11.7 | 14.0 | 11.9 | 26.4 |
| 1 to 4 | 11.5 | 11.1 | 12.0 | 11.7 | 6.2 | 9.7 | 14.3 | 11.2 | 11.7 |
| 5 to 9 | 26.3 | 11.4 | 12.7 | 18.2 | 7.0 | 11.2 | 22.5 | 12.0 | 12.1 |
| 10 to 19 | 31.1 | 13.1 | 18.4 | 19.9 | 9.8 | 14.1 | 25.3 | 10.0 | 12.0 |
| 20 to 49 | 20.0 | 16.3 | 17.1 | 13.8 | 11.1 | 13.6 | 15.3 | 13.2 | 16.0 |
| 50 to 99 | 18.6 | 12.7 | 20.9 | 21.7 | 13.5 | 16.7 | 26.8 | 13.5 | 16.6 |
| 100 to 249 | 20.5 | 16.7 | 21.6 | 15.8 | 11.9 | 12.5 | 18.0 | 11.1 | 16.7 |
| 250 or More | 21.4 | 15.6 | 22.1 | 17.8 | 10.8 | 14.5 | 18.9 | 12.7 | 21.5 |
| Number of Dedicated Servers | | | | | | | | | |
| None | 9.2 | 7.4 | 9.4 | 9.0 | 5.5 | 8.0 | 10.5 | 7.4 | 8.9 |
| 1 to 4 | 12.3 | 7.9 | 9.4 | 11.9 | 5.7 | 8.4 | 12.4 | 6.8 | 7.2 |
| 5 to 9 | 26.8 | 35.5 | 33.6 | 26.6 | 17.7 | 18.2 | 28.1 | 25.9 | 27.3 |
| 10 to 19 | 26.4 | 18.3 | 35.7 | 26.5 | 13.8 | 29.1 | 30.7 | 16.7 | 38.3 |
| 20 to 49 | 39.3 | 21.2 | 38.1 | 26.0 | 18.8 | 29.4 | 38.7 | 18.9 | 25.9 |
| 50 or More | 44.4 | 36.8 | 37.4 | 38.5 | 19.5 | 36.8 | 30.1 | 30.3 | 32.7 |

RSEs for Table C12. Consumption and Gross Energy Intensity by Year Constructed for Sum of Major Fuels for Non-Mall Buildings, 2003

| | RSEs for Sum of Major Fuel Consumption | | | RSEs for Total Floorspace of Buildings | | | RSEs for Energy Intensity for Sum of Major Fuels | | |
|--|--|--------------|--------------|--|--------------|--------------|--|--------------|--------------|
| | 1959 or Before | 1960 to 1989 | 1990 to 2003 | 1959 or Before | 1960 to 1989 | 1990 to 2003 | 1959 or Before | 1960 to 1989 | 1990 to 2003 |
| All Buildings* | 7.4 | 6.4 | 7.1 | 7.5 | 3.5 | 6.3 | 8.0 | 5.9 | 7.1 |
| Number of Photocopiers | | | | | | | | | |
| None | 13.1 | 6.9 | 11.6 | 10.9 | 7.0 | 8.8 | 12.9 | 8.4 | 11.1 |
| One | 16.6 | 10.0 | 11.4 | 12.5 | 6.6 | 8.8 | 16.0 | 9.0 | 9.6 |
| 2 to 4 | 11.2 | 10.2 | 14.1 | 9.6 | 7.6 | 11.9 | 9.2 | 8.0 | 11.6 |
| 5 to 9 | 18.3 | 12.4 | 29.8 | 27.9 | 11.0 | 19.2 | 38.3 | 13.1 | 27.2 |
| 10 or More | 22.2 | 16.3 | 17.5 | 17.2 | 10.7 | 15.2 | 20.1 | 11.6 | 15.6 |
| Energy-Related Space Functions (more than one may apply) | | | | | | | | | |
| Commercial Food Preparation | 10.8 | 10.5 | 13.0 | 13.8 | 6.4 | 9.0 | 13.5 | 8.6 | 10.6 |
| Activities with Large Amounts of Hot Water | 12.8 | 10.6 | 14.6 | 17.1 | 5.6 | 9.6 | 22.4 | 9.2 | 12.1 |
| Separate Computer Area | 11.2 | 10.2 | 12.3 | 10.7 | 6.7 | 7.4 | 11.1 | 8.4 | 10.7 |
| HVAC Conservation Features (more than one may apply) | | | | | | | | | |
| Variable Air-Volume System | 15.4 | 11.8 | 11.1 | 11.5 | 7.9 | 8.6 | 14.6 | 9.7 | 8.8 |
| Economizer Cycle | 14.1 | 10.2 | 9.3 | 11.0 | 7.4 | 7.6 | 12.0 | 8.3 | 7.9 |
| HVAC Maintenance | 7.5 | 7.4 | 7.5 | 9.0 | 4.6 | 6.5 | 8.9 | 6.5 | 7.1 |
| Energy Management and Control System (EMCS) | 16.4 | 13.4 | 8.5 | 12.8 | 8.2 | 8.3 | 12.9 | 10.4 | 6.8 |
| Window and Interior Lighting Features (more than one may apply) | | | | | | | | | |
| Multipaned Windows | 8.1 | 8.3 | 8.1 | 10.8 | 5.2 | 5.7 | 10.7 | 6.8 | 7.2 |
| Tinted Window Glass | 11.1 | 9.4 | 9.2 | 12.0 | 5.7 | 7.2 | 11.5 | 8.2 | 9.7 |
| Reflective Window Glass | 25.3 | 16.1 | 15.4 | 14.4 | 8.7 | 10.2 | 21.7 | 14.1 | 13.7 |
| External Overhangs or Awnings | 13.4 | 11.6 | 15.5 | 12.6 | 6.5 | 9.5 | 17.0 | 10.0 | 13.8 |
| Skylights or Atriums | 12.0 | 13.5 | 15.9 | 13.0 | 8.8 | 11.4 | 13.3 | 11.2 | 11.8 |
| Daylighting Sensors | 31.4 | 34.1 | 26.8 | 23.5 | 17.3 | 18.7 | 22.0 | 26.0 | 23.8 |
| Specular Reflectors | 12.5 | 10.8 | 13.0 | 11.3 | 6.1 | 7.5 | 13.0 | 9.4 | 10.3 |
| Electronic Ballasts | 9.0 | 7.4 | 8.4 | 8.2 | 4.9 | 6.3 | 9.5 | 7.0 | 7.9 |
| Energy Management and Control System (EMCS) For Lighting | 30.0 | 18.4 | 11.8 | 30.2 | 15.8 | 11.4 | 27.5 | 15.4 | 12.5 |
| Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^a | | | | | | | | | |
| Heating | 8.4 | 7.8 | 7.0 | 8.0 | 4.0 | 6.3 | 9.2 | 6.9 | 5.6 |
| Cooling | 8.5 | 7.6 | 7.4 | 8.9 | 4.3 | 6.9 | 8.9 | 6.4 | 6.1 |
| Lighting | 8.4 | 5.8 | 7.7 | 8.0 | 4.3 | 7.4 | 8.1 | 5.3 | 6.8 |
| Office Equipment | 12.6 | 8.6 | 12.3 | 10.1 | 6.6 | 10.2 | 12.4 | 6.4 | 9.4 |

X=No cases in the responding sample reported their consumption for the particular fuel, so relative standard error could not be calculated.

RSEs for Table C13. Total Electricity Consumption and Expenditures for Non-Mall Buildings, 2003

| | RSEs for All Buildings* Using Electricity | | | RSEs for Electricity Consumption | | | RSEs for Electricity Expenditures | |
|--|---|------------|-------------------------|----------------------------------|-------|-------|-----------------------------------|--|
| | Number of Buildings | Floorspace | Floorspace per Building | Primary | Site | | | |
| | | | | Total | Total | Total | | |
| All Buildings* | 3.9 | 3.7 | 4.6 | 4.3 | 4.3 | 4.3 | 4.3 | |
| Building Floorspace (Square Feet) | | | | | | | | |
| 1,001 to 5,000 | 6.0 | 6.1 | 1.7 | 6.4 | 6.4 | 6.4 | 5.8 | |
| 5,001 to 10,000 | 6.6 | 6.4 | 0.9 | 9.1 | 9.1 | 9.1 | 10.9 | |
| 10,001 to 25,000 | 5.7 | 5.8 | 1.4 | 9.3 | 9.3 | 9.3 | 7.7 | |
| 25,001 to 50,000 | 6.3 | 6.2 | 1.2 | 8.8 | 8.8 | 8.8 | 9.2 | |
| 50,001 to 100,000 | 7.9 | 7.7 | 1.1 | 8.9 | 8.9 | 8.9 | 8.6 | |
| 100,001 to 200,000 | 11.9 | 12.2 | 1.8 | 12.1 | 12.1 | 12.1 | 12.5 | |
| 200,001 to 500,000 | 12.8 | 12.9 | 2.2 | 9.9 | 9.9 | 9.9 | 9.6 | |
| Over 500,000 | 16.9 | 16.3 | 4.5 | 18.0 | 18.0 | 18.0 | 17.9 | |
| Principal Building Activity | | | | | | | | |
| Education | 8.9 | 6.9 | 6.6 | 8.6 | 8.6 | 8.6 | 8.5 | |
| Food Sales | 14.1 | 14.7 | 11.1 | 15.7 | 15.7 | 15.7 | 14.8 | |
| Food Service | 9.8 | 13.1 | 7.7 | 15.8 | 15.8 | 15.8 | 13.5 | |
| Health Care | 12.1 | 7.1 | 10.9 | 7.4 | 7.4 | 7.4 | 7.1 | |
| Inpatient | 12.4 | 8.8 | 10.3 | 9.1 | 9.1 | 9.1 | 8.0 | |
| Outpatient | 12.8 | 11.5 | 8.9 | 13.1 | 13.1 | 13.1 | 12.4 | |
| Lodging | 13.3 | 11.9 | 15.6 | 14.3 | 14.3 | 14.3 | 16.5 | |
| Retail (Other Than Mall)..... | 8.8 | 9.5 | 8.6 | 13.2 | 13.2 | 13.2 | 14.7 | |
| Office | 6.1 | 7.1 | 7.9 | 7.7 | 7.7 | 7.7 | 8.2 | |
| Public Assembly | 9.4 | 13.3 | 12.8 | 16.3 | 16.3 | 16.3 | 20.8 | |
| Public Order and Safety | 23.1 | 18.3 | 18.7 | 21.1 | 21.1 | 21.1 | 19.9 | |
| Religious Worship | 10.5 | 9.5 | 8.1 | 10.0 | 10.0 | 10.0 | 9.3 | |
| Service | 9.2 | 11.1 | 11.2 | 21.4 | 21.4 | 21.4 | 10.3 | |
| Warehouse and Storage | 10.0 | 12.0 | 10.9 | 18.3 | 18.3 | 18.3 | 13.7 | |
| Other | 19.1 | 22.6 | 23.3 | 25.1 | 25.1 | 25.1 | 26.3 | |
| Vacant | 26.8 | 28.0 | 21.9 | 27.2 | 27.2 | 27.2 | 31.5 | |
| Year Constructed | | | | | | | | |
| Before 1920 | 10.3 | 13.1 | 12.4 | 21.0 | 21.0 | 21.0 | 15.9 | |
| 1920 to 1945 | 8.4 | 14.8 | 13.8 | 21.2 | 21.2 | 21.2 | 13.4 | |
| 1946 to 1959 | 10.0 | 10.3 | 9.9 | 11.3 | 11.3 | 11.3 | 14.4 | |
| 1960 to 1969 | 8.4 | 7.8 | 6.8 | 8.9 | 8.9 | 8.9 | 9.7 | |
| 1970 to 1979 | 8.1 | 7.6 | 8.7 | 9.5 | 9.5 | 9.5 | 9.1 | |
| 1980 to 1989 | 7.4 | 7.1 | 7.8 | 8.6 | 8.6 | 8.6 | 8.8 | |
| 1990 to 1999 | 7.6 | 6.5 | 6.4 | 9.3 | 9.3 | 9.3 | 10.4 | |
| 2000 to 2003 | 11.8 | 9.0 | 10.8 | 12.3 | 12.3 | 12.3 | 11.2 | |
| Census Region and Division | | | | | | | | |
| Northeast | 8.5 | 9.5 | 9.8 | 9.8 | 9.8 | 9.8 | 8.9 | |
| New England | 18.8 | 20.8 | 12.3 | 26.4 | 26.4 | 26.4 | 26.3 | |
| Middle Atlantic | 9.9 | 10.6 | 12.4 | 10.5 | 10.5 | 10.5 | 9.0 | |
| Midwest | 10.3 | 9.8 | 9.2 | 10.6 | 10.6 | 10.6 | 9.2 | |
| East North Central | 13.9 | 13.7 | 10.3 | 15.0 | 15.0 | 15.0 | 12.7 | |
| West North Central | 17.0 | 13.3 | 13.6 | 10.7 | 10.7 | 10.7 | 11.7 | |
| South | 8.2 | 4.7 | 8.1 | 6.0 | 6.0 | 6.0 | 5.7 | |
| South Atlantic | 13.7 | 5.2 | 11.9 | 7.7 | 7.7 | 7.7 | 7.7 | |
| East South Central | 15.6 | 7.3 | 18.5 | 11.4 | 11.4 | 11.4 | 9.5 | |
| West South Central | 13.9 | 12.3 | 13.5 | 12.9 | 12.9 | 12.9 | 13.1 | |
| West | 7.8 | 4.6 | 9.6 | 9.0 | 9.0 | 9.0 | 11.4 | |
| Mountain | 15.0 | 7.7 | 20.1 | 17.7 | 17.7 | 17.7 | 21.1 | |
| Pacific | 8.4 | 4.9 | 9.2 | 8.7 | 8.7 | 8.7 | 13.0 | |

RSEs for Table C13. Total Electricity Consumption and Expenditures for Non-Mall Buildings, 2003

| | RSEs for All Buildings* Using Electricity | | | RSEs for Electricity Consumption | | | RSEs for Electricity Expenditures | |
|---|---|------------|-------------------------|----------------------------------|-------|-------|-----------------------------------|--|
| | Number of Buildings | Floorspace | Floorspace per Building | Primary | Site | | | |
| | | | | Total | Total | Total | | |
| All Buildings* | 3.9 | 3.7 | 4.6 | 4.3 | 4.3 | 4.3 | 4.3 | |
| Climate Zone: 30-Year Average | | | | | | | | |
| Under 2,000 CDD and -- | | | | | | | | |
| More than 7,000 HDD | 10.7 | 11.2 | 7.0 | 12.2 | 12.2 | 12.2 | 12.5 | |
| 5,500-7,000 HDD | 13.4 | 11.7 | 9.5 | 13.4 | 13.4 | 13.4 | 12.8 | |
| 4,000-5,499 HDD | 21.8 | 16.6 | 17.7 | 20.4 | 20.4 | 20.4 | 17.0 | |
| Fewer than 4,000 HDD | 14.8 | 11.0 | 7.4 | 12.1 | 12.1 | 12.1 | 11.2 | |
| 2,000 CDD or More and -- | | | | | | | | |
| Fewer than 4,000 HDD | 9.4 | 8.5 | 9.7 | 10.6 | 10.6 | 10.6 | 11.0 | |
| Number of Floors | | | | | | | | |
| One | 5.4 | 5.2 | 5.0 | 6.4 | 6.4 | 6.4 | 5.2 | |
| Two | 5.6 | 6.4 | 5.3 | 9.3 | 9.3 | 9.3 | 9.1 | |
| Three | 8.1 | 6.6 | 7.3 | 9.9 | 9.9 | 9.9 | 9.9 | |
| Four to Nine | 12.9 | 11.7 | 7.3 | 12.5 | 12.5 | 12.5 | 10.5 | |
| Ten or More | 14.0 | 15.3 | 7.7 | 15.0 | 15.0 | 15.0 | 17.5 | |
| Elevators and Escalators (more than one may apply) | | | | | | | | |
| Any Elevators | 6.4 | 6.0 | 6.0 | 7.4 | 7.4 | 7.4 | 7.5 | |
| Number of Elevators | | | | | | | | |
| One | 9.1 | 7.9 | 6.1 | 9.3 | 9.3 | 9.3 | 9.7 | |
| Two to Five | 8.7 | 8.4 | 5.4 | 9.3 | 9.3 | 9.3 | 10.4 | |
| Six or More | 15.8 | 14.9 | 11.2 | 15.1 | 15.1 | 15.1 | 15.6 | |
| Any Escalators | 28.1 | 21.1 | 29.7 | 26.8 | 26.8 | 26.8 | 26.1 | |
| Number of Workers (main shift) | | | | | | | | |
| Fewer than 5 | 6.3 | 9.5 | 7.8 | 13.5 | 13.5 | 13.5 | 8.5 | |
| 5 to 9 | 7.4 | 7.3 | 4.9 | 8.1 | 8.1 | 8.1 | 7.8 | |
| 10 to 19 | 5.9 | 8.9 | 8.5 | 7.9 | 7.9 | 7.9 | 8.0 | |
| 20 to 49 | 7.0 | 9.9 | 6.4 | 9.8 | 9.8 | 9.8 | 9.6 | |
| 50 to 99 | 9.0 | 7.3 | 6.6 | 9.0 | 9.0 | 9.0 | 9.1 | |
| 100 to 249 | 10.2 | 8.7 | 7.6 | 10.0 | 10.0 | 10.0 | 11.1 | |
| 250 or More | 10.1 | 11.0 | 8.0 | 11.2 | 11.2 | 11.2 | 11.4 | |
| Weekly Operating Hours | | | | | | | | |
| Fewer than 40 | 9.1 | 10.9 | 8.7 | 11.1 | 11.1 | 11.1 | 11.7 | |
| 40 to 48 | 6.3 | 6.7 | 7.2 | 8.8 | 8.8 | 8.8 | 7.3 | |
| 49 to 60 | 5.2 | 7.5 | 6.3 | 10.4 | 10.4 | 10.4 | 8.1 | |
| 61 to 84 | 6.9 | 7.3 | 7.3 | 7.1 | 7.1 | 7.1 | 6.9 | |
| 85 to 167 | 8.8 | 8.0 | 9.1 | 8.5 | 8.5 | 8.5 | 7.4 | |
| Open Continuously | 11.9 | 6.1 | 12.4 | 8.1 | 8.1 | 8.1 | 9.5 | |
| Ownership and Occupancy | | | | | | | | |
| Nongovernment Owned | 4.1 | 3.9 | 5.1 | 4.5 | 4.5 | 4.5 | 4.9 | |
| Owner Occupied | 6.1 | 5.3 | 5.5 | 6.3 | 6.3 | 6.3 | 6.9 | |
| Nonowner Occupied | 5.8 | 5.6 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | |
| Unoccupied | 27.4 | 35.6 | 30.1 | 41.2 | 41.2 | 41.2 | 45.6 | |
| Government Owned | 8.2 | 6.2 | 7.3 | 8.7 | 8.7 | 8.7 | 7.5 | |
| Federal | 35.7 | 29.7 | 35.7 | 34.1 | 34.1 | 34.1 | 26.5 | |
| State | 16.5 | 13.1 | 14.9 | 18.2 | 18.2 | 18.2 | 18.0 | |
| Local | 8.6 | 7.3 | 6.4 | 9.8 | 9.8 | 9.8 | 8.7 | |

RSEs for Table C13. Total Electricity Consumption and Expenditures for Non-Mall Buildings, 2003

| | RSEs for All Buildings* Using Electricity | | | RSEs for Electricity Consumption | | | RSEs for Electricity Expenditures | |
|---|---|------------|-------------------------|----------------------------------|-------|-------|-----------------------------------|--|
| | Number of Buildings | Floorspace | Floorspace per Building | Primary | Site | | | |
| | | | | Total | Total | Total | | |
| All Buildings* | 3.9 | 3.7 | 4.6 | 4.3 | 4.3 | 4.3 | 4.3 | |
| Vacancy Status | | | | | | | | |
| Completely Vacant | 26.5 | 32.6 | 26.1 | 38.1 | 38.1 | 38.1 | 41.4 | |
| Mostly Vacant | 45.8 | 45.0 | 29.7 | 37.7 | 37.7 | 37.7 | 47.2 | |
| Partially Vacant | 6.4 | 7.8 | 7.6 | 8.3 | 8.3 | 8.3 | 9.4 | |
| Not At All Vacant | 4.4 | 3.9 | 4.8 | 4.9 | 4.9 | 4.9 | 4.6 | |
| Number of Establishments | | | | | | | | |
| One | 4.6 | 4.4 | 5.2 | 4.7 | 4.7 | 4.7 | 4.6 | |
| 2 to 5 | 7.4 | 6.8 | 5.8 | 7.9 | 7.9 | 7.9 | 9.9 | |
| 6 to 10 | 15.1 | 15.5 | 15.5 | 21.9 | 21.9 | 21.9 | 20.2 | |
| 11 to 20 | 15.5 | 16.1 | 18.5 | 16.8 | 16.8 | 16.8 | 15.6 | |
| More than 20 | 35.2 | 17.1 | 43.2 | 17.6 | 17.6 | 17.6 | 21.5 | |
| Currently Unoccupied | 26.5 | 32.6 | 26.1 | 38.1 | 38.1 | 38.1 | 41.4 | |
| Predominant Exterior Wall Material | | | | | | | | |
| Brick, Stone or Stucco | 5.2 | 5.1 | 5.7 | 5.9 | 5.9 | 5.9 | 5.0 | |
| Concrete (Block or Poured) | 7.8 | 7.5 | 6.6 | 8.3 | 8.3 | 8.3 | 8.6 | |
| Concrete Panels | 11.2 | 12.4 | 13.2 | 17.1 | 17.1 | 17.1 | 15.7 | |
| Siding or Shingles | 10.0 | 10.1 | 7.6 | 15.0 | 15.0 | 15.0 | 18.7 | |
| Metal Panels | 8.7 | 8.8 | 7.4 | 13.5 | 13.5 | 13.5 | 14.2 | |
| Window Glass | 31.8 | 23.4 | 34.3 | 27.6 | 27.6 | 27.6 | 25.8 | |
| Other | 31.6 | 23.0 | 36.3 | 25.9 | 25.9 | 25.9 | 25.1 | |
| No One Major Type | 38.7 | 25.5 | 32.8 | 35.9 | 35.9 | 35.9 | 33.1 | |
| Predominant Roof Material | | | | | | | | |
| Built-Up | 5.7 | 5.2 | 5.5 | 7.0 | 7.0 | 7.0 | 7.2 | |
| Shingles (Not Wood) | 6.4 | 4.8 | 5.1 | 8.3 | 8.3 | 8.3 | 8.7 | |
| Metal Surfacing | 7.8 | 7.5 | 7.2 | 9.5 | 9.5 | 9.5 | 8.6 | |
| Synthetic or Rubber | 5.6 | 6.4 | 6.3 | 7.6 | 7.6 | 7.6 | 7.3 | |
| Slate or Tile | 11.7 | 11.6 | 14.5 | 13.7 | 13.7 | 13.7 | 12.5 | |
| Wooden Materials | 22.3 | 23.6 | 17.7 | 25.4 | 25.4 | 25.4 | 25.7 | |
| Concrete | 31.2 | 45.7 | 42.3 | 43.0 | 43.0 | 43.0 | 30.9 | |
| Other | 31.8 | 27.2 | 22.0 | 26.6 | 26.6 | 26.6 | 33.6 | |
| No One Major Type | 34.2 | 32.6 | 26.7 | 34.1 | 34.1 | 34.1 | 33.0 | |
| Renovations in Buildings | | | | | | | | |
| Constructed Before 1980 | | | | | | | | |
| (more than one may apply) | | | | | | | | |
| Any Type of Renovation | | | | | | | | |
| Since 1980 | 7.0 | 5.5 | 6.7 | 6.6 | 6.6 | 6.6 | 6.7 | |
| Addition or Annex | 10.5 | 9.4 | 11.7 | 9.6 | 9.6 | 9.6 | 9.3 | |
| Reduction In Floorspace | 27.3 | 25.0 | 26.3 | 26.6 | 26.6 | 26.6 | 26.5 | |
| Cosmetic Improvements | 7.5 | 6.1 | 7.2 | 7.0 | 7.0 | 7.0 | 7.1 | |
| Wall or Roof Replacement | 12.8 | 8.2 | 11.9 | 9.2 | 9.2 | 9.2 | 10.7 | |
| Interior Wall | | | | | | | | |
| Re-Configuration | 9.6 | 7.0 | 9.8 | 8.2 | 8.2 | 8.2 | 8.7 | |
| HVAC Equipment Upgrade | 8.4 | 6.5 | 7.3 | 7.5 | 7.5 | 7.5 | 8.5 | |
| Lighting Upgrade | 8.7 | 7.0 | 8.0 | 7.9 | 7.9 | 7.9 | 8.2 | |
| Window Replacement | 8.7 | 7.3 | 10.5 | 10.0 | 10.0 | 10.0 | 10.9 | |
| Plumbing System Upgrade | 9.4 | 8.7 | 9.9 | 9.4 | 9.4 | 9.4 | 11.1 | |
| Insulation Upgrade | 14.5 | 11.6 | 12.2 | 11.7 | 11.7 | 11.7 | 12.2 | |
| Other Renovation | 36.7 | 25.7 | 37.4 | 28.6 | 28.6 | 28.6 | 32.9 | |
| No Renovations Since 1980 | 5.6 | 7.8 | 7.5 | 10.4 | 10.4 | 10.4 | 6.6 | |
| Building Newer than 1980 | 5.6 | 4.9 | 5.4 | 6.1 | 6.1 | 6.1 | 6.6 | |

RSEs for Table C13. Total Electricity Consumption and Expenditures for Non-Mall Buildings, 2003

| | RSEs for All Buildings* Using Electricity | | | RSEs for Electricity Consumption | | | RSEs for Electricity Expenditures | |
|--|---|------------|-------------------------|----------------------------------|-------|-------|-----------------------------------|--|
| | Number of Buildings | Floorspace | Floorspace per Building | Primary | Site | | | |
| | | | | Total | Total | Total | | |
| All Buildings* | 3.9 | 3.7 | 4.6 | 4.3 | 4.3 | 4.3 | 4.3 | |
| Energy Sources (more than one may apply) | | | | | | | | |
| Electricity | 3.9 | 3.7 | 4.6 | 4.3 | 4.3 | 4.3 | 4.3 | |
| Natural Gas | 5.6 | 5.0 | 4.7 | 5.9 | 5.9 | 5.9 | 5.6 | |
| Fuel Oil | 13.3 | 9.2 | 12.7 | 9.7 | 9.7 | 9.7 | 11.3 | |
| District Heat | 14.2 | 15.1 | 13.5 | 16.0 | 16.0 | 16.0 | 16.5 | |
| District Chilled Water | 18.6 | 14.8 | 17.6 | 17.5 | 17.5 | 17.5 | 18.3 | |
| Propane | 16.8 | 15.8 | 15.6 | 17.1 | 17.1 | 17.1 | 16.7 | |
| Other | 18.1 | 17.5 | 17.1 | 26.3 | 26.3 | 26.3 | 21.3 | |
| Space-Heating Energy Sources | | | | | | | | |
| Electricity | 7.4 | 5.0 | 6.1 | 5.7 | 5.7 | 5.7 | 6.1 | |
| Electricity Main | 9.8 | 7.3 | 6.2 | 7.1 | 7.1 | 7.1 | 7.3 | |
| Electricity Secondary | 8.3 | 7.1 | 8.9 | 10.7 | 10.7 | 10.7 | 9.8 | |
| Other Excluding Electricity | 5.1 | 6.3 | 5.7 | 5.7 | 5.7 | 5.7 | 5.4 | |
| Buildings without Heating | 11.3 | 11.2 | 10.5 | 22.3 | 22.3 | 22.3 | 27.2 | |
| Primary Space-Heating Energy Source | | | | | | | | |
| Electricity | 9.8 | 7.3 | 6.2 | 7.1 | 7.1 | 7.1 | 7.3 | |
| Natural Gas | 5.9 | 5.2 | 4.5 | 6.2 | 6.2 | 6.2 | 5.9 | |
| Fuel Oil | 13.8 | 29.7 | 25.8 | 18.4 | 18.4 | 18.4 | 16.9 | |
| District Heat | 14.9 | 16.2 | 13.9 | 17.1 | 17.1 | 17.1 | 17.7 | |
| Propane | 22.0 | 20.5 | 13.1 | 30.3 | 30.3 | 30.3 | 39.7 | |
| Other | 26.9 | 28.3 | 20.9 | 37.7 | 37.7 | 37.7 | 30.9 | |
| Cooling Energy Sources | | | | | | | | |
| Electricity | 4.0 | 3.8 | 4.6 | 4.6 | 4.6 | 4.6 | 4.5 | |
| Other Excluding Electricity | 18.0 | 16.4 | 19.1 | 19.3 | 19.3 | 19.3 | 23.5 | |
| Buildings without Cooling | 9.6 | 16.5 | 13.5 | 35.0 | 35.0 | 35.0 | 20.4 | |
| Water-Heating Energy Sources | | | | | | | | |
| Electricity | 7.3 | 5.1 | 6.1 | 6.1 | 6.1 | 6.1 | 5.9 | |
| Other Excluding Electricity | 5.0 | 5.2 | 5.4 | 5.9 | 5.9 | 5.9 | 6.1 | |
| Bldgs without Water Heating | 8.5 | 12.1 | 11.3 | 28.2 | 28.2 | 28.2 | 16.5 | |
| Cooking Energy Sources | | | | | | | | |
| Electricity | 9.1 | 7.3 | 8.5 | 8.8 | 8.8 | 8.8 | 8.8 | |
| Other Excluding Electricity | 8.1 | 13.7 | 12.3 | 11.9 | 11.9 | 11.9 | 11.1 | |
| Buildings without Cooking | 4.1 | 3.9 | 4.5 | 5.1 | 5.1 | 5.1 | 5.0 | |
| Energy End Uses (more than one may apply) | | | | | | | | |
| Buildings with Space Heating | 3.8 | 3.8 | 4.7 | 4.3 | 4.3 | 4.3 | 4.3 | |
| Buildings with Cooling | 3.9 | 3.6 | 4.6 | 4.3 | 4.3 | 4.3 | 4.4 | |
| Buildings with Water Heating | 4.0 | 3.5 | 4.8 | 4.3 | 4.3 | 4.3 | 4.4 | |
| Buildings with Cooking | 6.1 | 7.2 | 6.9 | 6.9 | 6.9 | 6.9 | 6.8 | |
| Buildings with Manufacturing | 13.2 | 14.3 | 14.8 | 19.2 | 19.2 | 19.2 | 16.8 | |
| Buildings with Electricity Generation | 8.2 | 7.3 | 9.0 | 7.4 | 7.4 | 7.4 | 9.2 | |

RSEs for Table C13. Total Electricity Consumption and Expenditures for Non-Mall Buildings, 2003

| | RSEs for All Buildings* Using Electricity | | | RSEs for Electricity Consumption | | | RSEs for Electricity Expenditures | |
|--|---|------------|-------------------------|----------------------------------|-------|-------|-----------------------------------|--|
| | Number of Buildings | Floorspace | Floorspace per Building | Primary | Site | | | |
| | | | | Total | Total | Total | | |
| All Buildings* | 3.9 | 3.7 | 4.6 | 4.3 | 4.3 | 4.3 | 4.3 | |
| Percent of Floorspace Heated | | | | | | | | |
| Not Heated | 11.3 | 11.2 | 10.5 | 22.3 | 22.3 | 22.3 | 27.2 | |
| 1 to 50 | 9.0 | 10.4 | 8.0 | 15.9 | 15.9 | 15.9 | 13.9 | |
| 51 to 99 | 7.6 | 8.2 | 8.8 | 9.5 | 9.5 | 9.5 | 9.1 | |
| 100 | 4.4 | 5.0 | 5.3 | 5.2 | 5.2 | 5.2 | 5.0 | |
| Percent of Floorspace Cooled | | | | | | | | |
| Not Cooled | 9.6 | 16.5 | 13.5 | 35.0 | 35.0 | 35.0 | 20.4 | |
| 1 to 50 | 6.3 | 6.7 | 7.0 | 8.9 | 8.9 | 8.9 | 8.6 | |
| 51 to 99 | 6.9 | 6.9 | 8.0 | 6.3 | 6.3 | 6.3 | 6.9 | |
| 100 | 4.9 | 4.7 | 4.8 | 6.0 | 6.0 | 6.0 | 6.3 | |
| Percent Lit When Open | | | | | | | | |
| Zero | 39.1 | 32.6 | 25.0 | 65.9 | 65.9 | 65.9 | 50.6 | |
| 1 to 50 | 7.0 | 6.5 | 7.3 | 7.4 | 7.4 | 7.4 | 8.2 | |
| 51 to 99 | 6.1 | 5.1 | 5.2 | 6.3 | 6.3 | 6.3 | 6.5 | |
| 100 | 4.7 | 4.8 | 5.8 | 6.1 | 6.1 | 6.1 | 5.6 | |
| Building Never Open/ Electricity Not Used | 27.7 | 30.3 | 27.4 | 30.0 | 30.0 | 30.0 | 32.9 | |
| Percent Lit When Closed | | | | | | | | |
| Zero | 5.1 | 6.1 | 5.8 | 7.8 | 7.8 | 7.8 | 6.0 | |
| 1 to 50 | 4.2 | 4.5 | 4.9 | 5.4 | 5.4 | 5.4 | 4.9 | |
| 51 to 100 | 13.9 | 11.2 | 12.6 | 19.6 | 19.6 | 19.6 | 18.5 | |
| Building Never Closed/ Electricity Not Used | 11.9 | 6.1 | 12.4 | 8.1 | 8.1 | 8.1 | 9.5 | |
| Heating Equipment (more than one may apply) | | | | | | | | |
| Heat Pumps | 15.3 | 9.5 | 12.2 | 11.0 | 11.0 | 11.0 | 11.2 | |
| Packaged Heat Pumps | 13.7 | 10.3 | 13.4 | 14.5 | 14.5 | 14.5 | 14.1 | |
| Split-System Heat Pumps | 22.6 | 17.5 | 17.0 | 25.2 | 25.2 | 25.2 | 13.2 | |
| Individual Room Heat Pumps | 16.9 | 13.0 | 16.3 | 13.5 | 13.5 | 13.5 | 15.4 | |
| Furnaces | 6.1 | 5.6 | 5.0 | 6.3 | 6.3 | 6.3 | 6.6 | |
| Individual Space Heaters | 10.0 | 6.7 | 9.3 | 8.7 | 8.7 | 8.7 | 7.5 | |
| District Heat | 14.3 | 15.6 | 13.8 | 16.6 | 16.6 | 16.6 | 17.2 | |
| Boilers | 7.1 | 8.3 | 6.2 | 9.1 | 9.1 | 9.1 | 8.1 | |
| Packaged Heating Units | 6.7 | 5.6 | 5.4 | 6.3 | 6.3 | 6.3 | 6.8 | |
| Other | 12.0 | 14.0 | 14.0 | 13.5 | 13.5 | 13.5 | 13.3 | |
| Cooling Equipment (more than one may apply) | | | | | | | | |
| Residential-Type Central | | | | | | | | |
| Air Conditioners | 7.3 | 7.3 | 8.1 | 12.4 | 12.4 | 12.4 | 8.8 | |
| Heat Pumps | 14.9 | 10.2 | 10.7 | 10.9 | 10.9 | 10.9 | 11.3 | |
| Packaged Heat Pumps | 13.1 | 10.6 | 12.6 | 14.9 | 14.9 | 14.9 | 14.4 | |
| Split-System Heat Pumps | 22.4 | 17.4 | 16.4 | 25.4 | 25.4 | 25.4 | 13.9 | |
| Individual Room Heat Pumps | 16.8 | 13.8 | 14.3 | 15.5 | 15.5 | 15.5 | 16.4 | |
| Individual Air Conditioners | 7.5 | 8.4 | 9.0 | 9.1 | 9.1 | 9.1 | 10.1 | |
| District Chilled Water | 18.6 | 14.8 | 17.6 | 17.5 | 17.5 | 17.5 | 18.3 | |
| Central Chillers | 9.9 | 8.8 | 9.3 | 10.5 | 10.5 | 10.5 | 10.3 | |
| Packaged Air Conditioning | | | | | | | | |
| Units | 5.3 | 5.3 | 5.5 | 5.1 | 5.1 | 5.1 | 5.1 | |
| Swamp Coolers | 17.7 | 14.5 | 12.3 | 12.4 | 12.4 | 12.4 | 10.0 | |
| Other | 28.9 | 16.9 | 21.4 | 18.5 | 18.5 | 18.5 | 20.7 | |

RSEs for Table C13. Total Electricity Consumption and Expenditures for Non-Mall Buildings, 2003

| | RSEs for All Buildings* Using Electricity | | | RSEs for Electricity Consumption | | | RSEs for Electricity Expenditures | |
|--|---|------------|-------------------------|----------------------------------|-------|-------|-----------------------------------|--|
| | Number of Buildings | Floorspace | Floorspace per Building | Primary | Site | | | |
| | | | | Total | Total | Total | | |
| All Buildings* | 3.9 | 3.7 | 4.6 | 4.3 | 4.3 | 4.3 | 4.3 | |
| Main Equipment Replaced Since 1990 (more than one may apply) | | | | | | | | |
| Heating | 5.9 | 5.6 | 5.3 | 8.0 | 8.0 | 8.0 | 8.4 | |
| Cooling | 5.6 | 5.9 | 5.6 | 7.6 | 7.6 | 7.6 | 7.2 | |
| Water Heating Equipment | | | | | | | | |
| Centralized System | 4.3 | 3.6 | 5.1 | 4.9 | 4.9 | 4.9 | 4.9 | |
| Distributed System | 9.6 | 9.2 | 8.5 | 9.4 | 9.4 | 9.4 | 10.1 | |
| Combination of Centralized and Distributed System | 10.0 | 7.4 | 11.6 | 9.3 | 9.3 | 9.3 | 10.2 | |
| Lighting Equipment Types (more than one may apply) | | | | | | | | |
| Incandescent | 4.6 | 4.9 | 6.2 | 5.5 | 5.5 | 5.5 | 5.7 | |
| Standard Fluorescent | 3.6 | 3.7 | 4.4 | 4.4 | 4.4 | 4.4 | 4.3 | |
| Compact Fluorescent | 5.0 | 5.1 | 5.8 | 6.1 | 6.1 | 6.1 | 6.4 | |
| High Intensity Discharge | 7.2 | 5.9 | 7.2 | 6.9 | 6.9 | 6.9 | 6.5 | |
| Halogen | 8.3 | 5.6 | 8.5 | 7.1 | 7.1 | 7.1 | 7.1 | |
| Other | 53.8 | 33.7 | 49.4 | 37.4 | 37.4 | 37.4 | 41.6 | |
| Refrigeration Equipment (more than one may apply)^a | | | | | | | | |
| Any Refrigeration..... | 4.2 | 3.7 | 4.7 | 4.3 | 4.3 | 4.3 | 4.6 | |
| Commercial Refrigeration | 5.2 | 5.8 | 5.6 | 5.9 | 5.9 | 5.9 | 5.8 | |
| Walk-In Units | 4.8 | 6.9 | 7.8 | 6.0 | 6.0 | 6.0 | 6.3 | |
| Cases or Cabinets | 6.4 | 5.9 | 6.4 | 6.5 | 6.5 | 6.5 | 6.7 | |
| Residential-Type Units | 5.6 | 4.3 | 5.7 | 5.6 | 5.6 | 5.6 | 5.2 | |
| Vending Machines | 5.1 | 4.5 | 4.9 | 5.1 | 5.1 | 5.1 | 5.7 | |
| No Refrigeration | 6.9 | 10.0 | 9.2 | 17.0 | 17.0 | 17.0 | 9.7 | |
| Office Equipment (more than one may apply) | | | | | | | | |
| Computers | 4.0 | 3.8 | 4.5 | 4.5 | 4.5 | 4.5 | 4.6 | |
| With Flat Screen Monitors | 6.5 | 5.3 | 7.3 | 6.5 | 6.5 | 6.5 | 6.8 | |
| Dedicated Servers | 4.7 | 4.4 | 4.7 | 5.4 | 5.4 | 5.4 | 5.5 | |
| Laser Printers | 4.2 | 4.1 | 4.8 | 5.1 | 5.1 | 5.1 | 5.4 | |
| Inkjet Printers | 5.4 | 4.7 | 5.1 | 6.2 | 6.2 | 6.2 | 5.9 | |
| FAX Machines | 4.0 | 3.8 | 4.7 | 4.5 | 4.5 | 4.5 | 4.6 | |
| Photocopiers | 4.9 | 4.0 | 5.1 | 4.9 | 4.9 | 4.9 | 5.2 | |
| Number of Computers | | | | | | | | |
| None | 7.9 | 11.3 | 8.9 | 12.2 | 12.2 | 12.2 | 9.0 | |
| 1 to 4 | 5.8 | 7.8 | 7.2 | 9.2 | 9.2 | 9.2 | 7.4 | |
| 5 to 9 | 6.9 | 6.5 | 6.9 | 7.3 | 7.3 | 7.3 | 7.2 | |
| 10 to 19 | 9.7 | 9.4 | 8.5 | 11.2 | 11.2 | 11.2 | 9.4 | |
| 20 to 49 | 9.5 | 8.4 | 8.6 | 9.8 | 9.8 | 9.8 | 11.1 | |
| 50 to 99 | 8.6 | 11.4 | 11.1 | 9.5 | 9.5 | 9.5 | 8.9 | |
| 100 to 249 | 8.5 | 7.8 | 5.7 | 9.5 | 9.5 | 9.5 | 10.0 | |
| 250 or More | 8.7 | 9.1 | 6.9 | 10.1 | 10.1 | 10.1 | 10.6 | |

RSEs for Table C13. Total Electricity Consumption and Expenditures for Non-Mall Buildings, 2003

| | RSEs for All Buildings* Using Electricity | | | RSEs for Electricity Consumption | | | RSEs for Electricity Expenditures | |
|--|---|------------|-------------------------|----------------------------------|-------|-------|-----------------------------------|--|
| | Number of Buildings | Floorspace | Floorspace per Building | Primary | Site | | | |
| | | | | Total | Total | Total | | |
| All Buildings* | 3.9 | 3.7 | 4.6 | 4.3 | 4.3 | 4.3 | 4.3 | |
| Number of Dedicated Servers | | | | | | | | |
| None | 5.2 | 5.7 | 5.7 | 5.4 | 5.4 | 5.4 | 5.0 | |
| 1 to 4 | 4.5 | 5.1 | 4.9 | 5.4 | 5.4 | 5.4 | 5.2 | |
| 5 to 9 | 15.1 | 13.4 | 16.3 | 19.8 | 19.8 | 19.8 | 17.0 | |
| 10 to 19 | 19.9 | 11.2 | 22.9 | 13.3 | 13.3 | 13.3 | 13.3 | |
| 20 to 49 | 18.9 | 16.5 | 20.2 | 16.7 | 16.7 | 16.7 | 16.6 | |
| 50 or More | 35.4 | 19.3 | 27.9 | 18.9 | 18.9 | 18.9 | 21.6 | |
| Number of Photocopiers | | | | | | | | |
| None | 6.2 | 8.0 | 6.2 | 6.8 | 6.8 | 6.8 | 5.9 | |
| One | 6.3 | 6.3 | 6.2 | 6.5 | 6.5 | 6.5 | 5.8 | |
| 2 to 4 | 6.3 | 5.9 | 5.2 | 7.7 | 7.7 | 7.7 | 7.4 | |
| 5 to 9 | 12.2 | 12.2 | 13.5 | 12.4 | 12.4 | 12.4 | 13.9 | |
| 10 or More | 9.0 | 9.3 | 9.9 | 10.4 | 10.4 | 10.4 | 10.6 | |
| Energy-Related Space Functions (more than one may apply) | | | | | | | | |
| Commercial Food Preparation | 6.2 | 7.2 | 6.9 | 6.9 | 6.9 | 6.9 | 6.8 | |
| Activities with Large Amounts of Hot Water | 6.1 | 7.0 | 8.1 | 7.4 | 7.4 | 7.4 | 7.5 | |
| Separate Computer Area | 6.6 | 5.5 | 6.7 | 7.0 | 7.0 | 7.0 | 6.8 | |
| HVAC Conservation Features (more than one may apply) | | | | | | | | |
| Variable Air-Volume System | 7.4 | 5.9 | 6.6 | 7.4 | 7.4 | 7.4 | 8.1 | |
| Economizer Cycle | 6.7 | 5.3 | 6.8 | 6.5 | 6.5 | 6.5 | 6.6 | |
| HVAC Maintenance | 4.3 | 4.5 | 5.0 | 4.9 | 4.9 | 4.9 | 4.8 | |
| Energy Management and Control System (EMCS) | 11.5 | 6.7 | 10.4 | 7.6 | 7.6 | 7.6 | 8.4 | |
| Window and Interior Lighting Features (more than one may apply) | | | | | | | | |
| Multipaned Windows | 4.6 | 4.7 | 4.9 | 5.0 | 5.0 | 5.0 | 5.0 | |
| Tinted Window Glass | 4.1 | 4.8 | 5.9 | 6.0 | 6.0 | 6.0 | 5.6 | |
| Reflective Window Glass | 9.2 | 6.4 | 10.0 | 9.4 | 9.4 | 9.4 | 9.1 | |
| External Overhangs or Awnings | 7.8 | 6.4 | 7.3 | 8.8 | 8.8 | 8.8 | 8.3 | |
| Skylights or Atriums | 7.9 | 6.6 | 7.2 | 8.8 | 8.8 | 8.8 | 9.4 | |
| Daylighting Sensors | 21.0 | 12.6 | 23.5 | 17.1 | 17.1 | 17.1 | 21.9 | |
| Specular Reflectors | 5.6 | 5.7 | 6.6 | 6.9 | 6.9 | 6.9 | 7.1 | |
| Electronic Ballasts | 5.9 | 4.1 | 5.7 | 5.0 | 5.0 | 5.0 | 5.1 | |
| Energy Management and Control System (EMCS) For Lighting | 23.4 | 12.4 | 23.8 | 10.6 | 10.6 | 10.6 | 13.5 | |
| Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^a | | | | | | | | |
| Heating | 4.4 | 4.0 | 5.2 | 4.7 | 4.7 | 4.7 | 4.8 | |
| Cooling | 4.8 | 4.1 | 5.5 | 5.0 | 5.0 | 5.0 | 5.1 | |
| Lighting | 4.0 | 4.0 | 4.2 | 4.9 | 4.9 | 4.9 | 4.2 | |
| Office Equipment | 5.6 | 5.5 | 5.8 | 8.5 | 8.5 | 8.5 | 7.4 | |

RSEs for Table C13. Total Electricity Consumption and Expenditures for Non-Mall Buildings, 2003

| | RSEs for All Buildings* Using Electricity | | | RSEs for Electricity Consumption | | | RSEs for Electricity Expenditures | |
|--|---|------------|-------------------------|----------------------------------|-------|-------|-----------------------------------|--|
| | Number of Buildings | Floorspace | Floorspace per Building | Primary | Site | | | |
| | | | | Total | Total | Total | | |
| All Buildings* | 3.9 | 3.7 | 4.6 | 4.3 | 4.3 | 4.3 | 4.3 | |
| Annual Consumption (kilowatthours) | | | | | | | | |
| 10,000 or Less | 9.4 | 17.1 | 11.3 | 10.4 | 10.4 | 10.4 | 9.8 | |
| 10,001 to 50,000 | 6.5 | 7.7 | 5.8 | 6.4 | 6.4 | 6.4 | 6.4 | |
| 50,001 to 100,000 | 6.6 | 9.1 | 7.4 | 6.3 | 6.3 | 6.3 | 6.6 | |
| 100,001 to 500,000 | 4.8 | 6.9 | 5.7 | 5.0 | 5.0 | 5.0 | 5.2 | |
| 500,001 to 1,000,000 | 9.1 | 7.1 | 6.0 | 8.4 | 8.4 | 8.4 | 9.4 | |
| 1,000,001 to 5,000,000 | 7.9 | 6.1 | 5.3 | 7.3 | 7.3 | 7.3 | 7.1 | |
| Over 5,000,000 | 10.2 | 12.2 | 6.1 | 11.4 | 11.4 | 11.4 | 12.4 | |
| Provider of Purchased Electricity (more than one may apply) | | | | | | | | |
| Local Utility | 4.0 | 3.8 | 4.6 | 4.6 | 4.6 | 4.6 | 4.4 | |
| Some Other Provider | 21.8 | 14.5 | 18.6 | 16.6 | 16.6 | 16.6 | 13.7 | |

X=No cases in the responding sample reported their consumption for the particular fuel, so relative standard error could not be calculated.

RSEs for Table C14. Electricity Consumption and Expenditure Intensities for Non-Mall Buildings, 2003

| | RSEs for Electricity Consumption | | | | | | RSEs for Electricity Expenditures | | |
|--|----------------------------------|-----------------|------------|------------------------------------|--------|-----------------|-----------------------------------|-----------------|---------|
| | per Building | per Square Foot | per Worker | RSEs Not Available for Percentiles | | | | | |
| | | | | 25th Percentile | Median | 75th Percentile | per Building | per Square Foot | per kWh |
| All Buildings* | 5.2 | 3.2 | 6.2 | — | — | — | 5.5 | 4.0 | 2.1 |
| Building Floorspace (Square Feet) | | | | | | | | | |
| 1,001 to 5,000 | 5.2 | 5.8 | 5.5 | — | — | — | 5.7 | 6.0 | 2.4 |
| 5,001 to 10,000 | 7.9 | 7.7 | 6.2 | — | — | — | 10.4 | 10.2 | 3.9 |
| 10,001 to 25,000 | 9.2 | 9.0 | 6.5 | — | — | — | 7.7 | 7.5 | 3.5 |
| 25,001 to 50,000 | 6.4 | 6.2 | 5.5 | — | — | — | 6.7 | 6.5 | 4.3 |
| 50,001 to 100,000 | 6.4 | 6.5 | 5.2 | — | — | — | 6.5 | 6.6 | 3.6 |
| 100,001 to 200,000 | 7.2 | 8.0 | 23.7 | — | — | — | 8.9 | 9.5 | 5.1 |
| 200,001 to 500,000 | 9.0 | 8.6 | 7.6 | — | — | — | 10.5 | 10.1 | 5.1 |
| Over 500,000 | 9.0 | 8.5 | 11.1 | — | — | — | 11.5 | 10.3 | 11.9 |
| Principal Building Activity | | | | | | | | | |
| Education | 8.5 | 5.4 | 22.9 | — | — | — | 8.0 | 5.0 | 2.7 |
| Food Sales | 10.4 | 8.1 | 10.6 | — | — | — | 8.1 | 9.1 | 5.9 |
| Food Service | 11.6 | 10.2 | 7.4 | — | — | — | 10.2 | 9.3 | 5.9 |
| Health Care | 12.7 | 5.1 | 5.8 | — | — | — | 11.9 | 5.7 | 4.1 |
| Inpatient | 9.1 | 4.8 | 7.5 | — | — | — | 10.3 | 5.8 | 4.6 |
| Outpatient | 12.0 | 10.4 | 9.8 | — | — | — | 11.6 | 10.2 | 4.9 |
| Lodging | 19.1 | 14.6 | 9.4 | — | — | — | 20.7 | 16.3 | 4.5 |
| Retail (Other Than Mall)..... | 13.5 | 8.4 | 9.6 | — | — | — | 14.4 | 9.8 | 6.0 |
| Office | 8.5 | 3.0 | 4.3 | — | — | — | 8.8 | 4.1 | 3.5 |
| Public Assembly | 17.5 | 18.0 | 18.7 | — | — | — | 22.0 | 22.9 | 10.0 |
| Public Order and Safety | 23.2 | 10.1 | 12.4 | — | — | — | 22.0 | 8.6 | 5.7 |
| Religious Worship | 11.1 | 7.4 | 12.7 | — | — | — | 10.0 | 6.8 | 3.9 |
| Service | 23.0 | 17.0 | 15.3 | — | — | — | 10.7 | 9.6 | 25.5 |
| Warehouse and Storage | 17.3 | 10.2 | 15.3 | — | — | — | 13.7 | 6.7 | 6.3 |
| Other | 30.1 | 24.8 | 20.7 | — | — | — | 30.7 | 26.1 | 7.8 |
| Vacant | 27.0 | 26.8 | 100.3 | — | — | — | 31.9 | 31.2 | 17.0 |
| Year Constructed | | | | | | | | | |
| Before 1920 | 19.9 | 18.6 | 12.7 | — | — | — | 14.9 | 11.7 | 7.8 |
| 1920 to 1945 | 20.6 | 12.9 | 20.1 | — | — | — | 13.1 | 8.8 | 8.7 |
| 1946 to 1959 | 10.5 | 9.5 | 5.6 | — | — | — | 14.5 | 12.5 | 6.4 |
| 1960 to 1969 | 10.2 | 7.0 | 5.6 | — | — | — | 10.6 | 7.6 | 4.1 |
| 1970 to 1979 | 10.9 | 6.8 | 6.5 | — | — | — | 9.7 | 6.7 | 6.3 |
| 1980 to 1989 | 10.0 | 5.2 | 7.1 | — | — | — | 10.2 | 5.9 | 2.6 |
| 1990 to 1999 | 8.8 | 6.8 | 19.5 | — | — | — | 9.8 | 8.1 | 4.5 |
| 2000 to 2003 | 13.0 | 8.9 | 7.5 | — | — | — | 12.6 | 8.4 | 3.4 |
| Census Region and Division | | | | | | | | | |
| Northeast | 10.8 | 10.5 | 7.3 | — | — | — | 10.2 | 11.8 | 4.0 |
| New England | 23.2 | 20.7 | 20.9 | — | — | — | 24.4 | 22.3 | 3.4 |
| Middle Atlantic | 12.2 | 12.4 | 6.9 | — | — | — | 10.8 | 14.1 | 5.1 |
| Midwest | 10.0 | 6.7 | 4.9 | — | — | — | 9.8 | 7.5 | 3.1 |
| East North Central | 12.1 | 9.4 | 6.5 | — | — | — | 12.4 | 10.8 | 4.4 |
| West North Central | 11.1 | 4.5 | 6.3 | — | — | — | 11.5 | 3.6 | 2.3 |
| South | 9.8 | 4.0 | 14.1 | — | — | — | 8.9 | 4.5 | 2.8 |
| South Atlantic | 13.9 | 5.2 | 19.8 | — | — | — | 12.9 | 6.4 | 4.4 |
| East South Central | 27.3 | 9.3 | 8.8 | — | — | — | 24.7 | 6.8 | 2.5 |
| West South Central | 14.5 | 8.3 | 8.1 | — | — | — | 12.5 | 8.8 | 3.7 |
| West | 13.3 | 6.2 | 7.3 | — | — | — | 15.8 | 8.8 | 5.2 |
| Mountain | 28.9 | 12.9 | 15.7 | — | — | — | 31.7 | 16.6 | 4.5 |
| Pacific | 10.4 | 5.9 | 5.9 | — | — | — | 16.6 | 10.3 | 6.9 |

RSEs for Table C14. Electricity Consumption and Expenditure Intensities for Non-Mall Buildings, 2003

| | RSEs for Electricity Consumption | | | | | | RSEs for Electricity Expenditures | | |
|---|----------------------------------|-----------------|------------|------------------------------------|--------|------------------|-----------------------------------|-----------------|---------|
| | per Building | per Square Foot | per Worker | RSEs Not Available for Percentiles | | | | | |
| | | | | 25th Per-centile | Median | 75th Per-centile | per Building | per Square Foot | per kWh |
| All Buildings* | 5.2 | 3.2 | 6.2 | — | — | — | 5.5 | 4.0 | 2.1 |
| Climate Zone: 30-Year Average | | | | | | | | | |
| Under 2,000 CDD and -- | | | | | | | | | |
| More than 7,000 HDD | 9.3 | 5.9 | 6.9 | — | — | — | 9.7 | 6.5 | 2.2 |
| 5,500-7,000 HDD | 12.3 | 7.8 | 5.8 | — | — | — | 14.1 | 9.9 | 5.0 |
| 4,000-5,499 HDD | 18.8 | 9.4 | 6.8 | — | — | — | 17.1 | 11.3 | 8.2 |
| Fewer than 4,000 HDD | 9.3 | 5.8 | 6.5 | — | — | — | 10.5 | 6.7 | 4.7 |
| 2,000 CDD or More and -- | | | | | | | | | |
| Fewer than 4,000 HDD | 10.6 | 5.9 | 23.2 | — | — | — | 10.8 | 7.5 | 2.7 |
| Number of Floors | | | | | | | | | |
| One | 6.6 | 3.7 | 4.6 | — | — | — | 5.6 | 4.0 | 3.2 |
| Two | 8.0 | 7.1 | 5.6 | — | — | — | 8.4 | 7.7 | 4.0 |
| Three | 11.6 | 8.3 | 6.9 | — | — | — | 10.8 | 8.2 | 2.9 |
| Four to Nine | 11.0 | 8.0 | 19.7 | — | — | — | 11.4 | 8.9 | 7.2 |
| Ten or More | 9.2 | 6.6 | 9.8 | — | — | — | 12.2 | 9.7 | 7.4 |
| Elevators and Escalators (more than one may apply) | | | | | | | | | |
| Any Elevators | 7.2 | 3.6 | 10.7 | — | — | — | 7.8 | 5.0 | 3.8 |
| Number of Elevators | | | | | | | | | |
| One | 8.3 | 5.5 | 6.0 | — | — | — | 8.6 | 6.1 | 2.8 |
| Two to Five | 6.4 | 6.3 | 18.8 | — | — | — | 7.0 | 7.7 | 3.5 |
| Six or More | 13.4 | 7.2 | 8.9 | — | — | — | 13.8 | 8.8 | 10.5 |
| Any Escalators | 35.6 | 13.5 | 21.5 | — | — | — | 36.5 | 17.8 | 21.9 |
| Number of Workers (main shift) | | | | | | | | | |
| Fewer than 5 | 12.5 | 8.0 | 12.4 | — | — | — | 7.7 | 6.9 | 6.0 |
| 5 to 9 | 5.8 | 7.0 | 5.6 | — | — | — | 5.7 | 7.0 | 3.1 |
| 10 to 19 | 5.6 | 10.6 | 5.5 | — | — | — | 5.9 | 10.1 | 2.8 |
| 20 to 49 | 5.6 | 7.0 | 5.9 | — | — | — | 5.8 | 7.3 | 4.1 |
| 50 to 99 | 7.3 | 6.0 | 7.0 | — | — | — | 7.5 | 5.9 | 4.0 |
| 100 to 249 | 7.0 | 7.0 | 5.5 | — | — | — | 6.7 | 8.9 | 4.5 |
| 250 or More | 8.8 | 4.7 | 15.1 | — | — | — | 9.0 | 6.1 | 7.0 |
| Weekly Operating Hours | | | | | | | | | |
| Fewer than 40 | 10.2 | 11.1 | 15.5 | — | — | — | 9.3 | 11.6 | 5.7 |
| 40 to 48 | 8.2 | 7.3 | 5.0 | — | — | — | 7.2 | 6.4 | 3.1 |
| 49 to 60 | 9.4 | 4.9 | 7.0 | — | — | — | 7.3 | 4.7 | 4.4 |
| 61 to 84 | 7.0 | 5.6 | 4.4 | — | — | — | 6.6 | 5.2 | 2.4 |
| 85 to 167 | 8.0 | 6.1 | 26.2 | — | — | — | 7.2 | 6.1 | 3.6 |
| Open Continuously | 13.8 | 5.4 | 5.8 | — | — | — | 13.9 | 7.9 | 5.9 |
| Ownership and Occupancy | | | | | | | | | |
| Nongovernment Owned | 5.7 | 3.9 | 3.2 | — | — | — | 6.2 | 4.7 | 2.0 |
| Owner Occupied | 6.6 | 4.4 | 3.9 | — | — | — | 7.3 | 5.8 | 3.0 |
| Nonowner Occupied | 7.9 | 4.6 | 4.6 | — | — | — | 7.9 | 5.0 | 2.3 |
| Unoccupied | 43.5 | 40.7 | 0.0 | — | — | — | 47.7 | 45.8 | 10.6 |
| Government Owned | 9.5 | 5.0 | 18.0 | — | — | — | 8.3 | 4.3 | 5.3 |
| Federal | 42.4 | 14.4 | 29.8 | — | — | — | 34.6 | 12.0 | 27.7 |
| State | 19.9 | 8.2 | 29.6 | — | — | — | 18.9 | 8.2 | 3.2 |
| Local | 8.0 | 6.2 | 7.6 | — | — | — | 7.7 | 5.1 | 3.5 |

RSEs for Table C14. Electricity Consumption and Expenditure Intensities for Non-Mall Buildings, 2003

| | RSEs for Electricity Consumption | | | | | | RSEs for Electricity Expenditures | | |
|---|----------------------------------|-----------------|------------|------------------------------------|--------|-----------------|-----------------------------------|-----------------|---------|
| | | | | RSEs Not Available for Percentiles | | | | | |
| | per Building | per Square Foot | per Worker | 25th Percentile | Median | 75th Percentile | per Building | per Square Foot | per kWh |
| All Buildings* | 5.2 | 3.2 | 6.2 | — | — | — | 5.5 | 4.0 | 2.1 |
| Vacancy Status | | | | | | | | | |
| Completely Vacant | 36.2 | 36.6 | 0.0 | — | — | — | 39.3 | 40.5 | 10.0 |
| Mostly Vacant | 38.4 | 30.5 | 83.3 | — | — | — | 49.7 | 37.1 | 36.9 |
| Partially Vacant | 8.8 | 4.2 | 6.1 | — | — | — | 9.6 | 5.8 | 4.6 |
| Not At All Vacant | 5.6 | 3.7 | 7.7 | — | — | — | 5.8 | 4.2 | 2.4 |
| Number of Establishments | | | | | | | | | |
| One | 5.8 | 3.8 | 3.0 | — | — | — | 6.0 | 4.7 | 2.6 |
| 2 to 5 | 7.3 | 4.8 | 5.9 | — | — | — | 9.0 | 6.7 | 4.8 |
| 6 to 10 | 20.6 | 11.1 | 27.2 | — | — | — | 18.7 | 10.5 | 4.9 |
| 11 to 20 | 18.6 | 9.4 | 8.1 | — | — | — | 18.5 | 8.9 | 7.6 |
| More than 20 | 45.7 | 9.0 | 12.7 | — | — | — | 48.8 | 12.0 | 11.7 |
| Currently Unoccupied | 36.2 | 36.6 | 0.0 | — | — | — | 39.3 | 40.5 | 10.0 |
| Predominant Exterior Wall Material | | | | | | | | | |
| Brick, Stone or Stucco | 5.6 | 4.0 | 4.2 | — | — | — | 4.9 | 4.1 | 2.4 |
| Concrete (Block or Poured) | 9.0 | 6.3 | 6.1 | — | — | — | 9.0 | 7.0 | 3.3 |
| Concrete Panels | 16.6 | 8.4 | 25.1 | — | — | — | 15.3 | 8.9 | 9.7 |
| Siding or Shingles | 14.3 | 14.9 | 8.5 | — | — | — | 18.9 | 19.4 | 7.8 |
| Metal Panels | 12.9 | 10.3 | 9.3 | — | — | — | 14.4 | 10.9 | 7.5 |
| Window Glass | 38.0 | 14.2 | 14.0 | — | — | — | 35.9 | 12.6 | 11.9 |
| Other | 40.2 | 11.6 | 18.6 | — | — | — | 39.9 | 11.9 | 8.9 |
| No One Major Type | 49.8 | 19.0 | 24.9 | — | — | — | 49.3 | 22.5 | 19.7 |
| Predominant Roof Material | | | | | | | | | |
| Built-Up | 7.7 | 5.1 | 4.6 | — | — | — | 7.9 | 5.6 | 2.4 |
| Shingles (Not Wood) | 9.0 | 7.6 | 6.8 | — | — | — | 9.4 | 8.4 | 4.1 |
| Metal Surfacing | 8.8 | 5.8 | 8.8 | — | — | — | 8.2 | 5.3 | 4.6 |
| Synthetic or Rubber | 7.7 | 4.6 | 15.6 | — | — | — | 7.2 | 5.6 | 4.5 |
| Slate or Tile | 14.2 | 10.2 | 10.0 | — | — | — | 12.9 | 10.6 | 6.5 |
| Wooden Materials | 19.7 | 13.7 | 20.1 | — | — | — | 17.5 | 14.5 | 6.7 |
| Concrete | 39.8 | 61.6 | 43.5 | — | — | — | 27.5 | 56.1 | 14.5 |
| Other | 28.3 | 15.4 | 30.9 | — | — | — | 34.9 | 19.2 | 14.9 |
| No One Major Type | 36.6 | 28.9 | 19.8 | — | — | — | 35.6 | 27.0 | 9.6 |
| Renovations in Buildings Constructed Before 1980 (more than one may apply) | | | | | | | | | |
| Any Type of Renovation | | | | | | | | | |
| Since 1980 | 7.8 | 4.7 | 4.3 | — | — | — | 8.0 | 5.2 | 2.7 |
| Addition or Annex | 12.4 | 8.5 | 7.5 | — | — | — | 11.7 | 8.8 | 3.6 |
| Reduction In Floorspace | 28.5 | 16.8 | 19.7 | — | — | — | 30.7 | 17.7 | 15.7 |
| Cosmetic Improvements | 7.5 | 4.9 | 5.3 | — | — | — | 8.5 | 5.6 | 3.1 |
| Wall or Roof Replacement | 14.4 | 7.5 | 6.4 | — | — | — | 15.1 | 9.1 | 4.6 |
| Interior Wall | | | | | | | | | |
| Re-Configuration | 10.8 | 5.7 | 6.4 | — | — | — | 10.8 | 6.6 | 3.9 |
| HVAC Equipment Upgrade | 8.7 | 4.7 | 5.1 | — | — | — | 9.6 | 5.5 | 3.5 |
| Lighting Upgrade | 9.0 | 5.6 | 5.6 | — | — | — | 9.0 | 6.3 | 3.6 |
| Window Replacement | 11.7 | 9.7 | 7.4 | — | — | — | 12.2 | 11.2 | 4.9 |
| Plumbing System Upgrade | 11.9 | 6.7 | 7.5 | — | — | — | 13.1 | 9.0 | 5.0 |
| Insulation Upgrade | 14.9 | 9.0 | 10.6 | — | — | — | 14.9 | 7.7 | 4.4 |
| Other Renovation | 37.8 | 25.2 | 29.2 | — | — | — | 46.0 | 27.0 | 11.2 |
| No Renovations Since 1980 | 10.3 | 6.9 | 7.5 | — | — | — | 7.1 | 6.4 | 6.9 |
| Building Newer than 1980 | 6.2 | 3.6 | 11.1 | — | — | — | 6.8 | 4.4 | 2.5 |

RSEs for Table C14. Electricity Consumption and Expenditure Intensities for Non-Mall Buildings, 2003

| | RSEs for Electricity Consumption | | | | | | RSEs for Electricity Expenditures | | |
|--|----------------------------------|-----------------|------------|------------------------------------|--------|-----------------|-----------------------------------|-----------------|---------|
| | | | | RSEs Not Available for Percentiles | | | | | |
| | per Building | per Square Foot | per Worker | 25th Percentile | Median | 75th Percentile | per Building | per Square Foot | per kWh |
| All Buildings* | 5.2 | 3.2 | 6.2 | — | — | — | 5.5 | 4.0 | 2.1 |
| Energy Sources (more than one may apply) | | | | | | | | | |
| Electricity | 5.2 | 3.2 | 6.2 | — | — | — | 5.5 | 4.0 | 2.1 |
| Natural Gas | 6.3 | 4.2 | 4.0 | — | — | — | 6.1 | 4.3 | 2.6 |
| Fuel Oil | 14.8 | 4.6 | 6.3 | — | — | — | 16.0 | 6.6 | 4.4 |
| District Heat | 14.5 | 5.2 | 27.1 | — | — | — | 16.6 | 9.4 | 7.5 |
| District Chilled Water | 18.3 | 7.7 | 30.6 | — | — | — | 19.1 | 8.3 | 4.8 |
| Propane | 18.3 | 7.7 | 14.0 | — | — | — | 17.7 | 13.1 | 9.1 |
| Other | 27.2 | 17.2 | 18.4 | — | — | — | 22.9 | 16.2 | 10.4 |
| Space-Heating Energy Sources | | | | | | | | | |
| Electricity | 7.3 | 3.6 | 4.2 | — | — | — | 7.2 | 4.0 | 3.2 |
| Electricity Main | 8.1 | 4.6 | 5.3 | — | — | — | 8.1 | 4.4 | 2.7 |
| Electricity Secondary | 12.4 | 6.6 | 7.4 | — | — | — | 11.1 | 6.7 | 6.5 |
| Other Excluding Electricity | 5.9 | 4.8 | 10.2 | — | — | — | 6.0 | 5.5 | 2.8 |
| Buildings without Heating | 20.5 | 17.3 | 15.1 | — | — | — | 26.3 | 20.3 | 10.4 |
| Primary Space-Heating Energy Source | | | | | | | | | |
| Electricity | 8.1 | 4.6 | 5.3 | — | — | — | 8.1 | 4.4 | 2.7 |
| Natural Gas | 7.0 | 4.5 | 4.0 | — | — | — | 6.7 | 4.7 | 3.0 |
| Fuel Oil | 14.9 | 30.5 | 12.3 | — | — | — | 12.8 | 29.5 | 3.3 |
| District Heat | 15.0 | 4.9 | 28.2 | — | — | — | 17.4 | 9.8 | 7.9 |
| Propane | 24.3 | 23.7 | 7.5 | — | — | — | 37.2 | 37.0 | 18.7 |
| Other | 37.0 | 21.7 | 19.5 | — | — | — | 32.8 | 19.3 | 16.8 |
| Cooling Energy Sources | | | | | | | | | |
| Electricity | 4.9 | 3.1 | 3.0 | — | — | — | 5.2 | 3.8 | 2.2 |
| Other Excluding Electricity | 20.1 | 9.3 | 30.1 | — | — | — | 25.0 | 15.5 | 12.6 |
| Buildings without Cooling | 33.9 | 21.6 | 34.0 | — | — | — | 19.2 | 12.0 | 13.3 |
| Water-Heating Energy Sources | | | | | | | | | |
| Electricity | 6.8 | 4.4 | 3.7 | — | — | — | 7.0 | 4.4 | 2.3 |
| Other Excluding Electricity | 6.7 | 4.5 | 10.7 | — | — | — | 6.6 | 5.4 | 3.3 |
| Bldgs without Water Heating | 27.7 | 17.5 | 27.4 | — | — | — | 15.7 | 9.5 | 11.6 |
| Cooking Energy Sources | | | | | | | | | |
| Electricity | 9.4 | 4.7 | 5.3 | — | — | — | 10.2 | 5.3 | 3.4 |
| Other Excluding Electricity | 11.4 | 13.8 | 8.1 | — | — | — | 10.6 | 14.3 | 8.6 |
| Buildings without Cooking | 6.0 | 3.6 | 8.5 | — | — | — | 6.2 | 4.1 | 2.1 |
| Energy End Uses (more than one may apply) | | | | | | | | | |
| Buildings with Space Heating | 5.1 | 3.2 | 6.3 | — | — | — | 5.3 | 4.1 | 2.1 |
| Buildings with Cooling | 4.9 | 2.9 | 6.3 | — | — | — | 5.3 | 3.7 | 2.1 |
| Buildings with Water Heating | 5.1 | 3.4 | 6.3 | — | — | — | 5.4 | 4.1 | 2.2 |
| Buildings with Cooking | 7.6 | 5.9 | 4.5 | — | — | — | 7.8 | 6.9 | 3.7 |
| Buildings with Manufacturing | 22.1 | 13.8 | 14.0 | — | — | — | 19.8 | 13.0 | 7.7 |
| Buildings with Electricity Generation | 8.7 | 3.9 | 4.9 | — | — | — | 10.0 | 5.5 | 4.0 |

RSEs for Table C14. Electricity Consumption and Expenditure Intensities for Non-Mall Buildings, 2003

| | RSEs for Electricity Consumption | | | | | | RSEs for Electricity Expenditures | | |
|--|----------------------------------|-----------------|------------|------------------------------------|--------|-----------------|-----------------------------------|-----------------|---------|
| | per Building | per Square Foot | per Worker | RSEs Not Available for Percentiles | | | | | |
| | | | | 25th Percentile | Median | 75th Percentile | per Building | per Square Foot | per kWh |
| All Buildings* | 5.2 | 3.2 | 6.2 | — | — | — | 5.5 | 4.0 | 2.1 |
| Percent of Floorspace Heated | | | | | | | | | |
| Not Heated | 20.5 | 17.3 | 15.1 | — | — | — | 26.3 | 20.3 | 10.4 |
| 1 to 50 | 15.7 | 12.2 | 12.4 | — | — | — | 12.6 | 8.6 | 7.2 |
| 51 to 99 | 9.7 | 5.5 | 6.6 | — | — | — | 9.2 | 5.5 | 4.1 |
| 100 | 5.6 | 4.0 | 7.5 | — | — | — | 5.6 | 4.7 | 2.3 |
| Percent of Floorspace Cooled | | | | | | | | | |
| Not Cooled | 33.9 | 21.6 | 34.0 | — | — | — | 19.2 | 12.0 | 13.3 |
| 1 to 50 | 7.9 | 6.4 | 6.2 | — | — | — | 8.2 | 6.8 | 4.5 |
| 51 to 99 | 7.2 | 5.1 | 4.5 | — | — | — | 7.6 | 5.5 | 2.8 |
| 100 | 6.1 | 3.0 | 10.3 | — | — | — | 6.3 | 4.0 | 3.0 |
| Percent Lit When Open | | | | | | | | | |
| Zero | 76.9 | 69.6 | 61.8 | — | — | — | 62.7 | 52.8 | 48.9 |
| 1 to 50 | 8.8 | 7.4 | 8.5 | — | — | — | 9.4 | 8.4 | 2.8 |
| 51 to 99 | 7.3 | 4.3 | 12.1 | — | — | — | 7.6 | 4.6 | 2.8 |
| 100 | 6.7 | 4.0 | 4.2 | — | — | — | 6.6 | 4.8 | 2.9 |
| Building Never Open/ Electricity Not Used | 33.4 | 31.0 | 31.1 | — | — | — | 35.0 | 33.1 | 15.3 |
| Percent Lit When Closed | | | | | | | | | |
| Zero | 8.4 | 5.5 | 17.2 | — | — | — | 6.9 | 5.1 | 3.5 |
| 1 to 50 | 5.2 | 4.1 | 3.3 | — | — | — | 5.2 | 4.2 | 2.0 |
| 51 to 100 | 17.4 | 12.3 | 9.9 | — | — | — | 16.3 | 11.5 | 4.0 |
| Building Never Closed/ Electricity Not Used | 13.8 | 5.4 | 5.8 | — | — | — | 13.9 | 7.9 | 5.9 |
| Heating Equipment (more than one may apply) | | | | | | | | | |
| Heat Pumps | 16.4 | 8.4 | 8.0 | — | — | — | 14.1 | 8.8 | 7.3 |
| Packaged Heat Pumps | 17.4 | 10.3 | 11.0 | — | — | — | 14.7 | 11.0 | 10.4 |
| Split-System Heat Pumps | 30.5 | 18.6 | 16.0 | — | — | — | 18.6 | 12.7 | 28.5 |
| Individual Room Heat Pumps | 17.6 | 8.6 | 11.6 | — | — | — | 18.2 | 9.9 | 5.4 |
| Furnaces | 6.4 | 4.8 | 4.9 | — | — | — | 6.4 | 5.2 | 2.2 |
| Individual Space Heaters | 12.3 | 6.3 | 5.8 | — | — | — | 10.8 | 5.5 | 6.9 |
| District Heat | 14.9 | 5.4 | 27.8 | — | — | — | 17.1 | 9.7 | 7.7 |
| Boilers | 8.3 | 7.2 | 5.5 | — | — | — | 8.4 | 7.4 | 4.3 |
| Packaged Heating Units | 6.1 | 4.4 | 5.1 | — | — | — | 7.0 | 5.2 | 2.9 |
| Other | 14.3 | 8.2 | 9.3 | — | — | — | 13.7 | 9.6 | 6.3 |
| Cooling Equipment (more than one may apply) | | | | | | | | | |
| Residential-Type Central | | | | | | | | | |
| Air Conditioners | 11.8 | 10.1 | 7.5 | — | — | — | 8.5 | 8.5 | 7.9 |
| Heat Pumps | 14.2 | 7.5 | 7.7 | — | — | — | 12.7 | 8.1 | 6.8 |
| Packaged Heat Pumps | 16.8 | 10.2 | 11.4 | — | — | — | 14.4 | 11.1 | 10.4 |
| Split-System Heat Pumps | 29.6 | 17.9 | 15.8 | — | — | — | 17.2 | 12.1 | 28.5 |
| Individual Room Heat Pumps | 14.7 | 7.9 | 14.1 | — | — | — | 16.2 | 8.7 | 5.3 |
| Individual Air Conditioners | 9.3 | 6.5 | 7.0 | — | — | — | 9.8 | 7.6 | 4.6 |
| District Chilled Water | 18.3 | 7.7 | 30.6 | — | — | — | 19.1 | 8.3 | 4.8 |
| Central Chillers | 9.9 | 4.3 | 6.9 | — | — | — | 10.8 | 5.2 | 5.8 |
| Packaged Air Conditioning | | | | | | | | | |
| Units | 4.9 | 4.5 | 3.9 | — | — | — | 5.5 | 5.1 | 2.4 |
| Swamp Coolers | 12.6 | 7.6 | 10.4 | — | — | — | 14.8 | 15.2 | 11.1 |
| Other | 21.8 | 12.4 | 12.9 | — | — | — | 21.6 | 14.9 | 7.5 |

RSEs for Table C14. Electricity Consumption and Expenditure Intensities for Non-Mall Buildings, 2003

| | RSEs for Electricity Consumption | | | | | | RSEs for Electricity Expenditures | | |
|--|----------------------------------|-----------------|------------|------------------------------------|--------|-----------------|-----------------------------------|-----------------|---------|
| | | | | RSEs Not Available for Percentiles | | | | | |
| | per Building | per Square Foot | per Worker | 25th Percentile | Median | 75th Percentile | per Building | per Square Foot | per kWh |
| All Buildings* | 5.2 | 3.2 | 6.2 | — | — | — | 5.5 | 4.0 | 2.1 |
| Main Equipment Replaced Since 1990 (more than one may apply) | | | | | | | | | |
| Heating | 7.8 | 6.0 | 5.3 | — | — | — | 8.3 | 6.6 | 2.3 |
| Cooling | 7.8 | 5.0 | 5.0 | — | — | — | 7.6 | 5.7 | 3.9 |
| Water Heating Equipment | | | | | | | | | |
| Centralized System | 5.3 | 4.0 | 3.2 | — | — | — | 5.5 | 4.6 | 2.1 |
| Distributed System | 8.6 | 6.4 | 5.6 | — | — | — | 9.7 | 7.2 | 4.0 |
| Combination of Centralized and Distributed System | 13.7 | 5.9 | 18.1 | — | — | — | 14.2 | 6.3 | 5.7 |
| Lighting Equipment Types (more than one may apply) | | | | | | | | | |
| Incandescent | 6.7 | 4.5 | 8.0 | — | — | — | 7.1 | 5.4 | 2.8 |
| Standard Fluorescent | 5.0 | 3.2 | 6.3 | — | — | — | 5.2 | 4.0 | 2.2 |
| Compact Fluorescent | 6.7 | 3.7 | 4.0 | — | — | — | 6.8 | 5.0 | 3.4 |
| High Intensity Discharge | 8.2 | 4.2 | 12.7 | — | — | — | 7.9 | 5.3 | 4.2 |
| Halogen | 9.2 | 4.3 | 4.5 | — | — | — | 9.2 | 5.1 | 4.2 |
| Other | 45.9 | 15.4 | 21.0 | — | — | — | 41.4 | 25.0 | 11.4 |
| Refrigeration Equipment (more than one may apply)^a | | | | | | | | | |
| Any Refrigeration..... | 5.2 | 3.4 | 6.6 | — | — | — | 5.6 | 4.2 | 2.3 |
| Commercial Refrigeration | 6.1 | 4.8 | 4.4 | — | — | — | 6.2 | 5.7 | 3.0 |
| Walk-In Units | 6.5 | 6.2 | 4.6 | — | — | — | 6.8 | 7.0 | 3.5 |
| Cases or Cabinets | 6.9 | 4.0 | 5.0 | — | — | — | 6.8 | 5.3 | 3.4 |
| Residential-Type Units | 6.3 | 4.4 | 8.2 | — | — | — | 6.1 | 4.8 | 3.1 |
| Vending Machines | 5.5 | 3.2 | 8.8 | — | — | — | 6.1 | 4.0 | 2.6 |
| No Refrigeration | 17.1 | 9.9 | 17.4 | — | — | — | 10.0 | 5.9 | 8.0 |
| Office Equipment (more than one may apply) | | | | | | | | | |
| Computers | 4.7 | 3.2 | 6.4 | — | — | — | 5.0 | 4.1 | 2.2 |
| With Flat Screen Monitors | 7.6 | 3.1 | 9.0 | — | — | — | 7.8 | 4.6 | 3.4 |
| Dedicated Servers | 5.1 | 3.2 | 7.6 | — | — | — | 5.1 | 4.2 | 2.7 |
| Laser Printers | 5.9 | 4.0 | 9.9 | — | — | — | 6.1 | 5.0 | 3.1 |
| Inkjet Printers | 6.4 | 3.2 | 3.8 | — | — | — | 6.1 | 3.5 | 3.2 |
| FAX Machines | 4.9 | 3.3 | 6.4 | — | — | — | 5.0 | 4.1 | 2.3 |
| Photocopiers | 5.0 | 3.2 | 6.9 | — | — | — | 5.1 | 4.3 | 2.6 |
| Number of Computers | | | | | | | | | |
| None | 10.8 | 7.2 | 13.7 | — | — | — | 7.8 | 8.4 | 6.3 |
| 1 to 4 | 8.2 | 8.1 | 6.5 | — | — | — | 6.3 | 8.2 | 3.8 |
| 5 to 9 | 8.9 | 6.0 | 7.4 | — | — | — | 8.1 | 5.5 | 3.1 |
| 10 to 19 | 9.8 | 8.3 | 8.3 | — | — | — | 8.7 | 7.4 | 4.6 |
| 20 to 49 | 10.8 | 6.7 | 7.5 | — | — | — | 11.8 | 9.0 | 6.2 |
| 50 to 99 | 8.4 | 10.1 | 8.3 | — | — | — | 9.0 | 10.1 | 3.3 |
| 100 to 249 | 8.5 | 5.2 | 6.7 | — | — | — | 8.4 | 5.1 | 3.1 |
| 250 or More | 8.0 | 5.0 | 14.8 | — | — | — | 8.7 | 6.6 | 6.6 |

RSEs for Table C14. Electricity Consumption and Expenditure Intensities for Non-Mall Buildings, 2003

| | RSEs for Electricity Consumption | | | | | | RSEs for Electricity Expenditures | | |
|--|----------------------------------|-----------------|------------|------------------------------------|--------|-----------------|-----------------------------------|-----------------|---------|
| | per Building | per Square Foot | per Worker | RSEs Not Available for Percentiles | | | | | |
| | | | | 25th Percentile | Median | 75th Percentile | per Building | per Square Foot | per kWh |
| All Buildings* | 5.2 | 3.2 | 6.2 | — | — | — | 5.5 | 4.0 | 2.1 |
| Number of Dedicated Servers | | | | | | | | | |
| None | 5.5 | 4.7 | 5.8 | — | — | — | 5.5 | 5.7 | 2.6 |
| 1 to 4 | 4.3 | 4.2 | 3.6 | — | — | — | 4.3 | 4.1 | 2.3 |
| 5 to 9 | 19.1 | 11.1 | 11.4 | — | — | — | 12.1 | 15.6 | 16.5 |
| 10 to 19 | 24.7 | 7.6 | 25.7 | — | — | — | 23.2 | 9.1 | 5.6 |
| 20 to 49 | 19.0 | 7.6 | 10.8 | — | — | — | 19.7 | 7.3 | 3.5 |
| 50 or More | 28.1 | 10.0 | 13.6 | — | — | — | 29.9 | 13.1 | 7.5 |
| Number of Photocopiers | | | | | | | | | |
| None | 7.0 | 6.0 | 8.2 | — | — | — | 6.5 | 7.2 | 3.4 |
| One | 5.8 | 5.7 | 5.1 | — | — | — | 4.9 | 5.6 | 3.3 |
| 2 to 4 | 5.9 | 4.8 | 4.5 | — | — | — | 5.8 | 5.0 | 3.1 |
| 5 to 9 | 11.5 | 10.3 | 24.8 | — | — | — | 12.2 | 12.4 | 5.1 |
| 10 or More | 11.5 | 4.8 | 6.6 | — | — | — | 10.7 | 6.5 | 7.2 |
| Energy-Related Space Functions (more than one may apply) | | | | | | | | | |
| Commercial Food Preparation | 7.6 | 5.9 | 4.5 | — | — | — | 7.8 | 6.9 | 3.7 |
| Activities with Large Amounts of Hot Water | 8.7 | 6.6 | 5.0 | — | — | — | 8.5 | 7.4 | 4.2 |
| Separate Computer Area | 7.6 | 3.7 | 4.0 | — | — | — | 8.0 | 4.8 | 3.6 |
| HVAC Conservation Features (more than one may apply) | | | | | | | | | |
| Variable Air-Volume System | 8.1 | 3.3 | 11.7 | — | — | — | 8.9 | 4.9 | 4.2 |
| Economizer Cycle | 7.7 | 3.0 | 11.2 | — | — | — | 8.1 | 4.0 | 3.6 |
| HVAC Maintenance | 5.2 | 3.5 | 7.0 | — | — | — | 5.6 | 4.5 | 2.4 |
| Energy Management and Control System (EMCS) | 11.4 | 3.6 | 4.8 | — | — | — | 10.9 | 4.9 | 4.7 |
| Window and Interior Lighting Features (more than one may apply) | | | | | | | | | |
| Multipaned Windows | 5.4 | 4.2 | 3.0 | — | — | — | 5.9 | 4.6 | 1.9 |
| Tinted Window Glass | 7.1 | 3.5 | 9.8 | — | — | — | 6.8 | 4.4 | 3.1 |
| Reflective Window Glass | 12.0 | 6.0 | 7.8 | — | — | — | 11.8 | 7.3 | 8.0 |
| External Overhangs or Awnings | 8.7 | 5.9 | 14.7 | — | — | — | 9.1 | 6.1 | 3.6 |
| Skylights or Atriums | 8.9 | 5.7 | 6.5 | — | — | — | 9.5 | 6.7 | 3.8 |
| Daylighting Sensors | 21.7 | 11.3 | 13.1 | — | — | — | 20.7 | 18.1 | 9.6 |
| Specular Reflectors | 7.4 | 3.7 | 4.3 | — | — | — | 7.6 | 5.1 | 3.8 |
| Electronic Ballasts | 6.4 | 3.0 | 7.4 | — | — | — | 6.6 | 4.0 | 2.5 |
| Energy Management and Control System (EMCS) For Lighting | 22.7 | 6.0 | 8.5 | — | — | — | 23.1 | 7.5 | 5.8 |
| Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^a | | | | | | | | | |
| Heating | 5.9 | 3.9 | 3.0 | — | — | — | 6.1 | 4.8 | 2.5 |
| Cooling | 5.8 | 3.3 | 7.4 | — | — | — | 6.2 | 4.3 | 2.5 |
| Lighting | 4.9 | 3.3 | 7.4 | — | — | — | 4.8 | 3.3 | 2.0 |
| Office Equipment | 7.7 | 6.2 | 5.7 | — | — | — | 6.4 | 5.8 | 3.5 |

RSEs for Table C14. Electricity Consumption and Expenditure Intensities for Non-Mall Buildings, 2003

| | RSEs for Electricity Consumption | | | | | | RSEs for Electricity Expenditures | | |
|--|----------------------------------|-----------------|------------|------------------------------------|--------|------------------|-----------------------------------|-----------------|---------|
| | | | | RSEs Not Available for Percentiles | | | | | |
| | per Building | per Square Foot | per Worker | 25th Per-centile | Median | 75th Per-centile | per Building | per Square Foot | per kWh |
| All Buildings* | 5.2 | 3.2 | 6.2 | — | — | — | 5.5 | 4.0 | 2.1 |
| Annual Consumption (kilowatthours) | | | | | | | | | |
| 10,000 or Less | 3.8 | 10.7 | 9.4 | — | — | — | 5.6 | 12.8 | 4.0 |
| 10,001 to 50,000 | 1.6 | 5.7 | 4.6 | — | — | — | 3.2 | 5.5 | 2.9 |
| 50,001 to 100,000 | 1.1 | 7.9 | 7.4 | — | — | — | 3.6 | 7.1 | 3.3 |
| 100,001 to 500,000 | 1.8 | 6.0 | 4.9 | — | — | — | 2.2 | 5.8 | 1.7 |
| 500,001 to 1,000,000 | 1.9 | 5.7 | 5.6 | — | — | — | 5.1 | 6.3 | 4.5 |
| 1,000,001 to 5,000,000 | 3.8 | 3.6 | 16.4 | — | — | — | 4.3 | 4.9 | 3.0 |
| Over 5,000,000 | 6.4 | 5.8 | 7.8 | — | — | — | 8.5 | 8.2 | 7.7 |
| Provider of Purchased Electricity (more than one may apply) | | | | | | | | | |
| Local Utility | 5.4 | 3.6 | 6.7 | — | — | — | 5.6 | 4.1 | 2.0 |
| Some Other Provider | 22.2 | 8.5 | 10.4 | — | — | — | 19.2 | 10.8 | 13.8 |

X=No cases in the responding sample reported their consumption for the particular fuel, so relative standard error could not be calculated.

RSEs for Table C15. Electricity Consumption and Conditional Energy Intensity by Census Region for Non-Mall Buildings, 2003

| | RSEs for Total Electricity Consumption | | | | RSEs for Total Floorspace of Buildings Using Electricity | | | | RSEs for Electricity Energy Intensity | | | |
|--|--|----------|-------|------|--|----------|-------|------|---------------------------------------|----------|-------|------|
| | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west | South | West |
| All Buildings* | 9.8 | 10.6 | 6.0 | 9.0 | 9.5 | 9.8 | 4.7 | 4.6 | 10.5 | 6.7 | 4.0 | 6.2 |
| Building Floorspace (Square Feet) | | | | | | | | | | | | |
| 1,001 to 5,000 | 12.2 | 11.7 | 13.7 | 12.8 | 14.6 | 13.6 | 11.8 | 13.5 | 12.3 | 10.4 | 8.9 | 12.4 |
| 5,001 to 10,000 | 15.2 | 21.8 | 12.1 | 27.3 | 11.5 | 18.8 | 9.3 | 15.2 | 15.9 | 14.3 | 7.7 | 25.7 |
| 10,001 to 25,000 | 23.0 | 15.2 | 17.3 | 10.3 | 15.4 | 13.5 | 9.3 | 11.3 | 26.2 | 12.9 | 17.0 | 11.3 |
| 25,001 to 50,000 | 21.4 | 13.9 | 16.9 | 15.5 | 12.6 | 10.2 | 11.5 | 11.9 | 17.6 | 10.2 | 12.5 | 9.3 |
| 50,001 to 100,000 | 19.5 | 21.5 | 10.7 | 20.7 | 13.9 | 19.0 | 9.6 | 19.0 | 18.4 | 16.6 | 5.7 | 10.8 |
| 100,001 to 200,000 | 27.3 | 22.6 | 22.6 | 9.7 | 28.0 | 18.9 | 20.5 | 14.7 | 36.6 | 9.9 | 9.1 | 9.4 |
| 200,001 to 500,000 | 21.3 | 22.6 | 15.9 | 15.1 | 30.2 | 31.4 | 15.6 | 18.6 | 34.7 | 11.1 | 5.9 | 11.2 |
| Over 500,000 | 16.5 | 15.4 | 31.8 | 43.4 | 16.2 | 22.7 | 32.7 | 38.7 | 8.9 | 16.8 | 13.5 | 24.7 |
| Principal Building Activity | | | | | | | | | | | | |
| Education | 18.1 | 16.1 | 13.2 | 13.1 | 19.3 | 13.2 | 10.4 | 10.6 | 10.2 | 11.9 | 6.5 | 12.9 |
| Food Sales | 22.2 | 31.3 | 29.7 | 39.7 | 15.3 | 29.6 | 26.5 | 43.4 | 14.4 | 13.4 | 12.1 | 39.3 |
| Food Service | 27.9 | 27.1 | 24.0 | 34.0 | 35.9 | 25.8 | 20.5 | 29.8 | 18.5 | 21.8 | 14.1 | 12.9 |
| Health Care | 16.0 | 15.4 | 13.2 | 14.1 | 12.6 | 13.5 | 14.4 | 15.1 | 15.2 | 6.2 | 10.1 | 7.3 |
| Inpatient | 23.8 | 12.6 | 16.2 | 15.8 | 20.7 | 11.6 | 16.4 | 19.9 | 14.1 | 8.5 | 6.8 | 7.8 |
| Outpatient | 27.7 | 30.6 | 20.4 | 21.6 | 27.8 | 23.5 | 23.2 | 16.8 | 14.6 | 14.1 | 25.0 | 14.8 |
| Lodging | 26.9 | 14.3 | 18.5 | 41.4 | 40.2 | 14.4 | 15.9 | 17.2 | 64.5 | 7.8 | 5.9 | 33.9 |
| Retail (Other Than Mall)..... | 23.6 | 24.3 | 22.4 | 23.3 | 12.7 | 24.8 | 14.1 | 18.0 | 16.5 | 10.4 | 16.2 | 9.5 |
| Office | 13.7 | 14.9 | 14.7 | 14.4 | 12.8 | 11.0 | 15.5 | 15.2 | 5.4 | 7.5 | 4.5 | 6.0 |
| Public Assembly | 29.9 | 26.2 | 23.5 | 48.1 | 31.7 | 24.7 | 21.0 | 17.5 | 74.1 | 14.2 | 19.7 | 44.1 |
| Public Order and Safety | 39.2 | 31.8 | 50.5 | 33.1 | 36.8 | 32.8 | 40.7 | 32.5 | 22.0 | 9.1 | 26.9 | 8.5 |
| Religious Worship | 23.2 | 12.4 | 15.5 | 30.6 | 26.2 | 18.4 | 15.9 | 13.7 | 17.1 | 10.2 | 9.5 | 28.2 |
| Service | 22.4 | 21.0 | 46.7 | 35.1 | 21.5 | 20.3 | 21.1 | 26.2 | 16.8 | 13.5 | 40.2 | 15.5 |
| Warehouse and Storage | 24.2 | 39.1 | 16.3 | 39.3 | 23.5 | 26.2 | 18.3 | 25.8 | 27.2 | 16.0 | 13.9 | 22.0 |
| Other | 39.3 | 37.5 | 63.3 | 55.2 | 27.3 | 31.4 | 64.7 | 38.4 | 18.5 | 19.6 | 146.0 | 28.0 |
| Vacant | 50.8 | 41.4 | 50.4 | 54.6 | 46.1 | 48.1 | 41.3 | 47.0 | 23.7 | 43.5 | 39.1 | 45.0 |
| Year Constructed | | | | | | | | | | | | |
| Before 1920 | 40.9 | 14.9 | 50.5 | 34.6 | 22.2 | 17.4 | 47.0 | 27.3 | 41.7 | 10.9 | 21.5 | 29.7 |
| 1920 to 1945 | 23.0 | 44.8 | 25.1 | 18.2 | 25.9 | 30.0 | 23.1 | 23.3 | 24.2 | 17.0 | 14.7 | 13.9 |
| 1946 to 1959 | 29.2 | 18.3 | 19.6 | 22.7 | 24.3 | 12.7 | 24.4 | 19.8 | 31.9 | 10.6 | 11.7 | 12.3 |
| 1960 to 1969 | 21.4 | 18.3 | 14.2 | 19.5 | 23.7 | 13.8 | 12.8 | 16.0 | 14.3 | 15.3 | 10.5 | 16.4 |
| 1970 to 1979 | 16.9 | 18.3 | 15.9 | 20.5 | 14.9 | 17.1 | 7.4 | 19.3 | 14.2 | 15.0 | 12.3 | 7.0 |
| 1980 to 1989 | 19.4 | 15.7 | 11.7 | 22.1 | 20.3 | 11.8 | 10.7 | 14.8 | 16.6 | 8.1 | 6.8 | 15.1 |
| 1990 to 1999 | 27.3 | 17.1 | 14.0 | 21.4 | 17.5 | 15.9 | 9.4 | 12.9 | 21.6 | 9.9 | 10.1 | 17.7 |
| 2000 to 2003 | 39.4 | 26.3 | 17.4 | 23.3 | 31.7 | 20.7 | 10.8 | 20.8 | 13.7 | 15.2 | 14.1 | 17.1 |
| Climate Zone: 30-Year Average | | | | | | | | | | | | |
| Under 2,000 CDD and -- | | | | | | | | | | | | |
| More than 7,000 HDD | 43.1 | 12.5 | 0.0 | 24.6 | 35.3 | 13.5 | 0.0 | 20.1 | 22.7 | 8.3 | 0.0 | 6.9 |
| 5,500-7,000 HDD | 20.4 | 18.0 | 0.0 | 38.8 | 15.7 | 18.1 | 0.0 | 25.0 | 11.5 | 10.8 | 0.0 | 22.6 |
| 4,000-5,499 HDD | 28.0 | 20.5 | 37.8 | 55.8 | 21.6 | 21.2 | 35.4 | 46.6 | 22.4 | 1.3 | 5.3 | 17.8 |
| Fewer than 4,000 HDD | 0.0 | 0.0 | 16.3 | 15.0 | 0.0 | 0.0 | 16.0 | 10.2 | 0.0 | 0.0 | 7.8 | 8.5 |
| 2,000 CDD or More and -- | | | | | | | | | | | | |
| Fewer than 4,000 HDD | 0.0 | 0.0 | 11.1 | 34.4 | 0.0 | 0.0 | 8.9 | 33.6 | 0.0 | 0.0 | 6.2 | 14.9 |
| Number of Floors | | | | | | | | | | | | |
| One | 10.9 | 19.1 | 8.7 | 9.7 | 14.2 | 15.6 | 7.2 | 7.8 | 13.0 | 7.2 | 5.9 | 4.6 |
| Two | 13.4 | 16.4 | 16.8 | 16.8 | 16.6 | 12.9 | 10.0 | 9.4 | 14.5 | 13.2 | 10.1 | 12.9 |
| Three | 30.8 | 19.7 | 13.2 | 12.8 | 15.1 | 10.6 | 13.0 | 10.5 | 29.9 | 16.4 | 6.6 | 12.6 |
| Four to Nine | 20.6 | 15.2 | 26.1 | 16.9 | 24.7 | 12.9 | 25.3 | 16.4 | 27.1 | 11.5 | 3.8 | 8.5 |
| Ten or More | 15.7 | 15.5 | 25.2 | 43.4 | 14.7 | 21.3 | 30.2 | 40.7 | 8.0 | 11.5 | 7.4 | 30.1 |

RSEs for Table C15. Electricity Consumption and Conditional Energy Intensity by Census Region for Non-Mall Buildings, 2003

| | RSEs for Total Electricity Consumption | | | | RSEs for Total Floorspace of Buildings Using Electricity | | | | RSEs for Electricity Energy Intensity | | | |
|---|--|----------|-------|------|--|----------|-------|------|---------------------------------------|----------|-------|------|
| | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west | South | West |
| All Buildings* | 9.8 | 10.6 | 6.0 | 9.0 | 9.5 | 9.8 | 4.7 | 4.6 | 10.5 | 6.7 | 4.0 | 6.2 |
| Elevators and Escalators (more than one may apply) | | | | | | | | | | | | |
| Any Elevators | 13.9 | 10.9 | 13.3 | 16.8 | 10.7 | 8.7 | 12.1 | 12.7 | 11.2 | 7.6 | 4.2 | 7.3 |
| Number of Elevators | | | | | | | | | | | | |
| One | 26.6 | 16.3 | 12.5 | 18.9 | 20.5 | 12.7 | 10.7 | 21.3 | 20.5 | 7.8 | 7.8 | 16.7 |
| Two to Five | 23.7 | 15.9 | 16.6 | 18.2 | 17.6 | 13.8 | 15.6 | 13.8 | 21.5 | 12.5 | 6.1 | 10.4 |
| Six or More | 15.7 | 13.8 | 26.1 | 36.0 | 16.3 | 15.3 | 27.8 | 34.4 | 5.8 | 12.6 | 11.5 | 22.9 |
| Any Escalators | 37.8 | 44.2 | 37.6 | 65.2 | 36.8 | 43.3 | 34.2 | 45.6 | 20.1 | 13.4 | 16.2 | 47.2 |
| Number of Workers (main shift) | | | | | | | | | | | | |
| Fewer than 5 | 15.5 | 31.7 | 15.1 | 16.4 | 17.5 | 22.2 | 14.9 | 13.1 | 17.6 | 14.2 | 9.9 | 16.6 |
| 5 to 9 | 22.5 | 18.1 | 14.5 | 10.6 | 23.9 | 15.5 | 11.2 | 15.8 | 16.5 | 13.7 | 11.9 | 9.5 |
| 10 to 19 | 23.7 | 16.5 | 11.8 | 21.5 | 30.3 | 10.2 | 9.5 | 13.6 | 38.6 | 14.5 | 12.4 | 17.4 |
| 20 to 49 | 25.5 | 16.8 | 16.2 | 18.3 | 27.8 | 14.7 | 15.7 | 18.5 | 37.5 | 10.7 | 5.5 | 9.6 |
| 50 to 99 | 33.9 | 13.1 | 14.0 | 12.1 | 17.3 | 15.5 | 11.8 | 14.5 | 26.4 | 7.6 | 5.6 | 6.0 |
| 100 to 249 | 23.8 | 19.4 | 16.0 | 20.4 | 17.0 | 16.6 | 13.2 | 20.1 | 15.1 | 12.5 | 11.3 | 17.4 |
| 250 or More | 13.3 | 9.9 | 20.6 | 28.6 | 14.1 | 16.8 | 22.3 | 25.1 | 5.5 | 12.2 | 8.1 | 12.7 |
| Weekly Operating Hours | | | | | | | | | | | | |
| Fewer than 40 | 31.7 | 16.8 | 17.5 | 30.7 | 23.8 | 24.7 | 15.4 | 17.0 | 18.6 | 20.4 | 15.3 | 22.2 |
| 40 to 48 | 15.2 | 23.8 | 8.8 | 16.8 | 21.0 | 10.6 | 11.9 | 11.3 | 25.9 | 17.3 | 9.0 | 10.2 |
| 49 to 60 | 15.4 | 30.2 | 11.7 | 11.5 | 12.6 | 20.8 | 8.4 | 13.0 | 9.4 | 12.0 | 6.8 | 6.3 |
| 61 to 84 | 19.0 | 18.9 | 9.8 | 11.9 | 12.6 | 16.4 | 12.5 | 13.0 | 11.9 | 10.0 | 11.8 | 8.8 |
| 85 to 167 | 18.1 | 14.6 | 15.0 | 9.6 | 22.5 | 13.1 | 15.3 | 10.7 | 16.5 | 12.2 | 9.3 | 11.1 |
| Open Continuously | 16.6 | 8.9 | 15.0 | 22.0 | 13.9 | 8.4 | 12.1 | 13.1 | 13.9 | 7.3 | 7.9 | 13.7 |
| Ownership and Occupancy | | | | | | | | | | | | |
| Nongovernment Owned | 10.8 | 9.1 | 6.3 | 12.3 | 10.0 | 8.9 | 6.5 | 6.7 | 11.9 | 8.3 | 5.4 | 7.0 |
| Owner Occupied | 13.1 | 12.0 | 11.3 | 16.4 | 10.3 | 8.0 | 12.3 | 11.2 | 13.2 | 8.2 | 6.0 | 10.5 |
| Nonowner Occupied | 15.9 | 13.1 | 9.8 | 17.7 | 14.3 | 13.7 | 8.0 | 10.7 | 15.2 | 7.3 | 7.1 | 10.7 |
| Unoccupied | 87.2 | 50.4 | 50.4 | 79.7 | 70.2 | 53.4 | 41.3 | 74.6 | 21.9 | 54.1 | 39.1 | 6.4 |
| Government Owned | 15.3 | 22.6 | 11.2 | 16.0 | 14.7 | 15.8 | 6.8 | 9.6 | 9.0 | 9.2 | 8.2 | 11.4 |
| Federal | 39.7 | 54.7 | 55.7 | 37.8 | 36.7 | 57.1 | 43.5 | 50.6 | 33.2 | 3.9 | 32.7 | 16.0 |
| State | 31.0 | 38.0 | 28.2 | 19.0 | 20.1 | 32.0 | 21.0 | 19.4 | 19.0 | 14.2 | 10.5 | 10.2 |
| Local | 25.7 | 17.2 | 15.4 | 21.2 | 19.7 | 12.2 | 13.1 | 10.0 | 14.7 | 13.0 | 7.3 | 17.7 |
| Vacancy Status | | | | | | | | | | | | |
| Completely Vacant | 73.6 | 50.3 | 50.4 | 79.7 | 55.2 | 50.8 | 41.3 | 74.6 | 32.9 | 52.9 | 39.1 | 6.4 |
| Mostly Vacant | 64.6 | 60.1 | X | 58.6 | 62.7 | 71.2 | X | 51.8 | 33.2 | 21.2 | X | 22.5 |
| Partially Vacant | 14.6 | 12.3 | 14.8 | 25.7 | 12.1 | 13.1 | 16.8 | 21.2 | 7.8 | 10.2 | 6.6 | 10.3 |
| Not At All Vacant | 10.3 | 13.2 | 5.7 | 10.1 | 12.3 | 9.5 | 4.0 | 5.5 | 14.8 | 7.3 | 4.9 | 6.9 |
| Number of Establishments | | | | | | | | | | | | |
| One | 11.4 | 11.7 | 5.8 | 11.0 | 15.1 | 11.4 | 5.0 | 5.0 | 17.7 | 6.2 | 4.3 | 8.2 |
| 2 to 5 | 18.2 | 19.9 | 8.1 | 22.4 | 13.2 | 12.9 | 10.7 | 18.3 | 15.5 | 10.7 | 6.6 | 7.6 |
| 6 to 10 | 36.3 | 19.7 | 46.7 | 22.6 | 24.7 | 18.5 | 43.9 | 22.0 | 26.7 | 17.8 | 12.8 | 15.9 |
| 11 to 20 | 28.4 | 24.4 | 29.3 | 31.0 | 29.5 | 22.8 | 29.0 | 32.6 | 18.0 | 8.4 | 15.1 | 13.2 |
| More than 20 | 20.8 | 45.5 | 27.5 | 46.1 | 20.3 | 43.8 | 24.4 | 43.4 | 8.4 | 21.7 | 15.5 | 9.4 |
| Currently Unoccupied | 73.6 | 50.3 | 50.4 | 79.7 | 55.2 | 50.8 | 41.3 | 74.6 | 32.9 | 52.9 | 39.1 | 6.4 |

RSEs for Table C15. Electricity Consumption and Conditional Energy Intensity by Census Region for Non-Mall Buildings, 2003

| | RSEs for Total Electricity Consumption | | | | RSEs for Total Floorspace of Buildings Using Electricity | | | | RSEs for Electricity Energy Intensity | | | |
|---|--|----------|-------|------|--|----------|-------|------|---------------------------------------|----------|-------|------|
| | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west | South | West |
| All Buildings* | 9.8 | 10.6 | 6.0 | 9.0 | 9.5 | 9.8 | 4.7 | 4.6 | 10.5 | 6.7 | 4.0 | 6.2 |
| Predominant Exterior Wall Material | | | | | | | | | | | | |
| Brick, Stone or Stucco | 15.2 | 15.6 | 6.5 | 7.9 | 14.0 | 10.9 | 5.5 | 9.6 | 15.5 | 8.0 | 3.8 | 6.7 |
| Concrete (Block or Poured) | 15.4 | 19.0 | 13.9 | 16.6 | 13.7 | 18.9 | 9.9 | 11.1 | 14.8 | 14.5 | 8.8 | 7.8 |
| Concrete Panels | 23.6 | 16.1 | 30.0 | 36.4 | 17.4 | 16.4 | 23.9 | 23.2 | 15.8 | 14.0 | 14.3 | 18.8 |
| Siding or Shingles | 21.9 | 14.6 | 26.2 | 39.2 | 20.3 | 16.2 | 11.3 | 31.4 | 28.6 | 11.6 | 22.1 | 37.3 |
| Metal Panels | 35.0 | 24.9 | 22.7 | 23.1 | 25.8 | 15.1 | 16.2 | 19.1 | 15.9 | 17.1 | 22.3 | 5.9 |
| Window Glass | 49.8 | 66.0 | 35.5 | 51.5 | 50.9 | 55.8 | 29.8 | 49.5 | 21.2 | 36.2 | 15.1 | 10.8 |
| Other | 42.8 | 42.7 | 40.4 | 51.5 | 41.6 | 41.7 | 42.8 | 51.0 | 30.7 | 11.2 | 11.8 | 22.5 |
| No One Major Type | 71.7 | 57.9 | 71.3 | 75.9 | 73.1 | 28.1 | 52.6 | 73.6 | 15.6 | 39.2 | 43.8 | 10.7 |
| Predominant Roof Material | | | | | | | | | | | | |
| Built-Up | 12.8 | 7.8 | 12.1 | 16.9 | 9.7 | 8.5 | 10.4 | 8.0 | 9.8 | 11.5 | 7.8 | 12.6 |
| Shingles (Not Wood) | 28.1 | 11.3 | 12.2 | 20.4 | 10.7 | 7.6 | 11.4 | 5.6 | 23.4 | 10.4 | 10.7 | 19.9 |
| Metal Surfacing | 25.5 | 21.1 | 15.4 | 16.3 | 35.7 | 13.3 | 13.0 | 14.3 | 22.8 | 11.6 | 9.1 | 5.2 |
| Synthetic or Rubber | 16.9 | 15.6 | 13.1 | 11.8 | 11.6 | 15.6 | 9.7 | 13.9 | 10.1 | 8.5 | 6.2 | 10.0 |
| Slate or Tile | 27.4 | 29.3 | 22.7 | 21.8 | 22.0 | 24.5 | 17.1 | 28.6 | 35.0 | 23.5 | 9.1 | 26.7 |
| Wooden Materials | 67.5 | 49.2 | 33.0 | 57.0 | 69.8 | 51.6 | 33.2 | 42.4 | 20.0 | 14.9 | 9.0 | 25.2 |
| Concrete | 79.8 | 70.4 | 47.7 | 37.3 | 98.8 | 67.7 | 45.9 | 29.4 | 1678.5 | 2.8 | 16.3 | 20.2 |
| Other | 92.5 | 44.2 | 55.4 | 42.8 | 95.4 | 43.7 | 47.8 | 45.7 | 64.7 | 26.3 | 42.8 | 13.3 |
| No One Major Type | 64.0 | 54.4 | 62.4 | 23.3 | 48.4 | 49.1 | 58.7 | 54.6 | 59.9 | 23.1 | 10.4 | 68.9 |
| Renovations in Buildings Constructed Before 1980 (more than one may apply) | | | | | | | | | | | | |
| Any Type of Renovation | | | | | | | | | | | | |
| Since 1980 | 11.9 | 12.8 | 11.4 | 14.8 | 10.5 | 10.3 | 11.1 | 12.7 | 10.6 | 9.2 | 7.9 | 9.3 |
| Addition or Annex | 22.4 | 17.0 | 17.2 | 18.5 | 27.2 | 13.9 | 16.0 | 10.2 | 33.6 | 9.7 | 9.0 | 10.7 |
| Reduction In Floorspace | 39.1 | 42.2 | 70.1 | 82.0 | 35.3 | 49.2 | 69.5 | 64.6 | 22.2 | 47.6 | 5.3 | 20.7 |
| Cosmetic Improvements | 12.6 | 13.8 | 11.0 | 18.1 | 11.9 | 10.7 | 12.2 | 14.7 | 11.2 | 9.4 | 7.5 | 10.2 |
| Wall or Roof Replacement | 18.5 | 15.7 | 16.2 | 25.1 | 15.4 | 14.3 | 17.1 | 21.4 | 20.0 | 11.5 | 6.5 | 14.7 |
| Interior Wall | | | | | | | | | | | | |
| Re-Configuration | 14.8 | 15.6 | 15.0 | 18.5 | 11.6 | 13.2 | 13.5 | 16.7 | 17.4 | 8.8 | 7.0 | 8.3 |
| HVAC Equipment Upgrade | 14.0 | 12.7 | 13.9 | 20.0 | 10.5 | 12.1 | 14.3 | 16.4 | 10.1 | 9.9 | 7.0 | 8.2 |
| Lighting Upgrade | 13.6 | 13.3 | 17.0 | 19.2 | 11.3 | 12.1 | 18.3 | 16.7 | 13.6 | 9.3 | 8.9 | 10.1 |
| Window Replacement | 18.0 | 19.1 | 18.2 | 21.1 | 13.1 | 11.9 | 19.5 | 19.4 | 20.0 | 15.0 | 15.2 | 14.0 |
| Plumbing System Upgrade | 17.2 | 15.5 | 16.6 | 24.5 | 14.2 | 17.0 | 20.1 | 20.4 | 18.1 | 7.6 | 8.5 | 12.1 |
| Insulation Upgrade | 22.6 | 17.3 | 25.2 | 28.9 | 24.4 | 14.9 | 25.1 | 23.6 | 20.4 | 14.1 | 8.9 | 13.8 |
| Other Renovation | 37.3 | 48.8 | 74.0 | 55.6 | 42.2 | 44.3 | 83.8 | 48.8 | 48.2 | 18.4 | 398.2 | 30.1 |
| No Renovations Since 1980 | 10.6 | 21.0 | 21.3 | 11.3 | 15.5 | 17.0 | 13.8 | 10.3 | 17.3 | 10.2 | 12.1 | 5.3 |
| Building Newer than 1980 | 20.3 | 10.5 | 8.7 | 14.7 | 15.5 | 11.4 | 6.3 | 11.5 | 12.2 | 7.7 | 5.4 | 7.0 |
| Energy Sources (more than one may apply) | | | | | | | | | | | | |
| Electricity | 9.8 | 10.6 | 6.0 | 9.0 | 9.5 | 9.8 | 4.7 | 4.6 | 10.5 | 6.7 | 4.0 | 6.2 |
| Natural Gas | 11.4 | 9.1 | 10.7 | 13.1 | 10.2 | 8.3 | 9.6 | 9.5 | 12.8 | 7.2 | 7.1 | 6.4 |
| Fuel Oil | 22.4 | 12.0 | 16.8 | 23.5 | 17.9 | 12.8 | 19.9 | 18.3 | 11.4 | 8.6 | 5.7 | 13.0 |
| District Heat | 24.2 | 36.1 | 27.7 | 29.4 | 21.1 | 35.2 | 26.2 | 25.7 | 8.6 | 9.6 | 9.9 | 8.6 |
| District Chilled Water | 29.9 | 42.0 | 27.7 | 28.1 | 29.0 | 40.4 | 23.1 | 26.1 | 11.8 | 20.4 | 11.3 | 13.8 |
| Propane | 24.5 | 41.9 | 17.9 | 32.6 | 30.2 | 38.9 | 20.3 | 24.0 | 18.0 | 11.2 | 8.9 | 18.2 |
| Other | 32.8 | 40.9 | 50.8 | 58.6 | 36.0 | 31.0 | 24.9 | 42.4 | 12.8 | 27.3 | 28.8 | 18.2 |

RSEs for Table C15. Electricity Consumption and Conditional Energy Intensity by Census Region for Non-Mall Buildings, 2003

| | RSEs for Total Electricity Consumption | | | | RSEs for Total Floorspace of Buildings Using Electricity | | | | RSEs for Electricity Energy Intensity | | | |
|--|--|----------|-------|------|--|----------|-------|------|---------------------------------------|----------|-------|------|
| | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west | South | West |
| All Buildings* | 9.8 | 10.6 | 6.0 | 9.0 | 9.5 | 9.8 | 4.7 | 4.6 | 10.5 | 6.7 | 4.0 | 6.2 |
| Space-Heating Energy Sources | | | | | | | | | | | | |
| Electricity | 16.2 | 12.2 | 7.9 | 15.2 | 13.0 | 9.3 | 8.3 | 10.5 | 10.0 | 7.4 | 5.8 | 7.6 |
| Electricity Main | 22.4 | 16.4 | 9.6 | 18.0 | 21.4 | 15.4 | 11.0 | 14.9 | 9.4 | 9.7 | 7.2 | 7.6 |
| Electricity Secondary | 23.5 | 13.4 | 19.5 | 29.1 | 16.2 | 11.4 | 12.9 | 18.7 | 15.9 | 7.5 | 10.9 | 18.3 |
| Other Excluding Electricity | 11.1 | 11.2 | 10.6 | 9.6 | 15.1 | 11.4 | 11.3 | 9.5 | 15.1 | 8.0 | 7.1 | 7.8 |
| Buildings without Heating | 46.5 | 59.9 | 31.9 | 37.8 | 43.3 | 27.1 | 14.7 | 25.6 | 63.2 | 40.1 | 27.1 | 15.4 |
| Primary Space-Heating Energy Source | | | | | | | | | | | | |
| Electricity | 22.4 | 16.4 | 9.6 | 18.0 | 21.4 | 15.4 | 11.0 | 14.9 | 9.4 | 9.7 | 7.2 | 7.6 |
| Natural Gas | 13.4 | 8.7 | 11.6 | 14.5 | 8.0 | 9.3 | 9.8 | 10.9 | 9.7 | 8.3 | 8.1 | 8.0 |
| Fuel Oil | 24.3 | 16.4 | 24.5 | 56.5 | 34.2 | 20.1 | 36.3 | 57.5 | 36.1 | 17.0 | 19.4 | 27.5 |
| District Heat | 27.2 | 37.1 | 28.9 | 24.8 | 24.0 | 37.4 | 27.5 | 22.0 | 9.1 | 6.2 | 9.9 | 9.9 |
| Propane | 50.9 | 61.3 | 39.3 | 68.0 | 66.0 | 42.5 | 30.1 | 39.3 | 9.8 | 16.5 | 18.7 | 65.7 |
| Other | 83.2 | 72.1 | 64.7 | 38.6 | 53.3 | 60.3 | 53.3 | 48.0 | 28.1 | 40.0 | 41.3 | 30.0 |
| Cooling Energy Sources | | | | | | | | | | | | |
| Electricity | 11.6 | 9.9 | 6.5 | 10.2 | 10.2 | 8.8 | 4.5 | 6.5 | 11.5 | 6.0 | 3.9 | 6.0 |
| Other Excluding Electricity | 19.4 | 46.1 | 37.0 | 25.9 | 20.8 | 44.2 | 28.8 | 26.4 | 8.1 | 29.4 | 15.3 | 16.7 |
| Buildings without Cooling | 25.0 | 63.4 | 24.4 | 21.9 | 24.7 | 37.3 | 24.9 | 21.7 | 24.8 | 27.6 | 19.5 | 11.4 |
| Water-Heating Energy Sources | | | | | | | | | | | | |
| Electricity | 15.7 | 12.0 | 9.3 | 11.4 | 10.2 | 12.9 | 8.2 | 10.2 | 12.3 | 9.8 | 6.7 | 5.5 |
| Other Excluding Electricity | 8.4 | 9.0 | 12.3 | 14.3 | 10.9 | 7.8 | 10.7 | 9.6 | 12.1 | 7.8 | 5.5 | 11.1 |
| Bldgs without Water Heating | 20.1 | 59.7 | 14.7 | 22.6 | 35.8 | 35.4 | 12.4 | 11.8 | 27.5 | 19.3 | 13.8 | 18.6 |
| Cooking Energy Sources | | | | | | | | | | | | |
| Electricity | 17.6 | 16.9 | 13.2 | 24.7 | 17.9 | 14.0 | 12.6 | 15.3 | 12.0 | 9.5 | 5.8 | 14.0 |
| Other Excluding Electricity | 38.2 | 13.0 | 18.6 | 26.0 | 41.0 | 13.6 | 14.1 | 18.0 | 60.9 | 9.4 | 9.9 | 17.8 |
| Buildings without Cooking | 13.0 | 11.5 | 8.5 | 9.3 | 8.1 | 10.9 | 6.3 | 5.4 | 10.1 | 7.5 | 5.7 | 6.1 |
| Energy End Uses (more than one may apply) | | | | | | | | | | | | |
| Buildings with Space Heating | 9.9 | 10.5 | 6.0 | 9.4 | 9.2 | 9.9 | 4.8 | 4.6 | 10.6 | 6.6 | 3.7 | 6.8 |
| Buildings with Cooling | 10.5 | 9.1 | 6.0 | 9.9 | 9.6 | 8.2 | 4.6 | 6.1 | 10.5 | 6.0 | 3.6 | 5.8 |
| Buildings with Water Heating | 10.0 | 8.8 | 6.1 | 9.7 | 9.3 | 7.9 | 4.8 | 5.2 | 10.8 | 7.7 | 3.7 | 6.8 |
| Buildings with Cooking | 15.9 | 12.5 | 11.1 | 16.7 | 23.4 | 10.7 | 10.0 | 11.4 | 26.7 | 7.5 | 4.7 | 10.3 |
| Buildings with Manufacturing | 34.0 | 35.0 | 36.1 | 43.9 | 24.6 | 21.3 | 29.4 | 36.6 | 26.4 | 28.0 | 36.2 | 14.8 |
| Buildings with Electricity Generation | 13.9 | 11.7 | 11.4 | 21.2 | 11.9 | 11.2 | 14.7 | 17.0 | 10.4 | 8.5 | 5.3 | 11.0 |
| Percent of Floorspace Heated | | | | | | | | | | | | |
| Not Heated | 46.5 | 59.9 | 31.9 | 37.8 | 43.3 | 27.1 | 14.7 | 25.6 | 63.2 | 40.1 | 27.1 | 15.4 |
| 1 to 50 | 30.8 | 44.8 | 25.4 | 22.4 | 30.0 | 24.8 | 16.7 | 17.5 | 16.0 | 29.6 | 22.6 | 10.7 |
| 51 to 99 | 19.7 | 14.2 | 16.5 | 19.9 | 15.2 | 16.9 | 15.3 | 17.1 | 11.8 | 14.5 | 9.6 | 6.8 |
| 100 | 11.0 | 11.6 | 7.4 | 12.8 | 14.2 | 10.3 | 6.2 | 6.4 | 15.2 | 6.8 | 3.5 | 9.2 |
| Percent of Floorspace Cooled | | | | | | | | | | | | |
| Not Cooled | 25.0 | 63.4 | 24.4 | 21.9 | 24.7 | 37.3 | 24.9 | 21.7 | 24.8 | 27.6 | 19.5 | 11.4 |
| 1 to 50 | 9.1 | 15.7 | 15.7 | 24.3 | 13.3 | 12.1 | 12.4 | 16.5 | 11.8 | 9.2 | 14.2 | 11.3 |
| 51 to 99 | 14.6 | 12.4 | 10.9 | 14.1 | 17.2 | 13.1 | 10.2 | 13.4 | 16.4 | 9.8 | 6.7 | 5.7 |
| 100 | 14.5 | 12.4 | 8.5 | 15.3 | 10.7 | 10.0 | 7.3 | 9.0 | 7.1 | 5.6 | 4.1 | 10.3 |

RSEs for Table C15. Electricity Consumption and Conditional Energy Intensity by Census Region for Non-Mall Buildings, 2003

| | RSEs for Total Electricity Consumption | | | | RSEs for Total Floorspace of Buildings Using Electricity | | | | RSEs for Electricity Energy Intensity | | | |
|---|--|----------|-------|------|--|----------|-------|------|---------------------------------------|----------|-------|------|
| | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west | South | West |
| All Buildings* | 9.8 | 10.6 | 6.0 | 9.0 | 9.5 | 9.8 | 4.7 | 4.6 | 10.5 | 6.7 | 4.0 | 6.2 |
| Percent Lit When Open | | | | | | | | | | | | |
| Zero | 65.7 | 96.0 | 78.7 | 63.0 | 60.3 | 96.0 | 46.1 | 66.0 | 44.9 | 0.0 | 92.3 | 14.1 |
| 1 to 50 | 20.0 | 9.6 | 13.0 | 24.6 | 17.0 | 10.8 | 10.4 | 12.2 | 22.4 | 9.2 | 9.5 | 20.2 |
| 51 to 99 | 13.4 | 14.3 | 11.2 | 9.8 | 9.8 | 13.2 | 7.4 | 9.4 | 11.7 | 9.4 | 6.3 | 5.8 |
| 100 | 14.7 | 12.3 | 9.2 | 13.7 | 12.6 | 10.9 | 6.2 | 8.6 | 13.8 | 6.0 | 6.1 | 8.5 |
| Building Never Open/ Electricity Not Used | 69.8 | 35.8 | 45.0 | 83.0 | 52.3 | 47.4 | 39.2 | 55.8 | 30.9 | 41.3 | 37.0 | 82.9 |
| Percent Lit When Closed | | | | | | | | | | | | |
| Zero | 14.2 | 15.2 | 14.3 | 14.8 | 14.4 | 14.8 | 9.1 | 9.4 | 12.3 | 6.2 | 12.8 | 10.0 |
| 1 to 50 | 15.1 | 12.4 | 6.9 | 6.7 | 11.7 | 9.6 | 6.0 | 6.8 | 14.9 | 10.5 | 4.1 | 7.1 |
| 51 to 100 | 41.9 | 44.0 | 28.0 | 31.1 | 25.2 | 31.5 | 15.2 | 21.4 | 34.2 | 19.6 | 16.6 | 18.2 |
| Building Never Closed/ Electricity Not Used | 16.6 | 8.9 | 15.0 | 22.0 | 13.9 | 8.4 | 12.1 | 13.1 | 13.9 | 7.3 | 7.9 | 13.7 |
| Heating Equipment (more than one may apply) | | | | | | | | | | | | |
| Heat Pumps | 25.8 | 21.2 | 14.2 | 30.9 | 21.0 | 19.0 | 13.9 | 21.4 | 21.4 | 8.4 | 12.5 | 19.7 |
| Packaged Heat Pumps | 35.3 | 26.0 | 19.8 | 38.3 | 31.3 | 19.8 | 13.4 | 25.9 | 22.9 | 9.8 | 16.5 | 25.5 |
| Split-System Heat Pumps | 21.6 | 28.3 | 34.4 | 29.6 | 26.5 | 40.5 | 24.5 | 29.0 | 16.8 | 11.7 | 26.0 | 13.0 |
| Individual Room Heat Pumps | 38.4 | 44.9 | 15.6 | 25.1 | 33.2 | 45.4 | 17.0 | 24.9 | 31.8 | 12.7 | 9.3 | 16.1 |
| Furnaces | 16.6 | 10.0 | 12.2 | 13.9 | 13.3 | 10.5 | 7.9 | 10.5 | 12.2 | 7.9 | 10.0 | 6.4 |
| Individual Space Heaters | 19.3 | 11.5 | 18.8 | 17.7 | 17.0 | 11.9 | 12.6 | 13.5 | 16.7 | 5.7 | 13.3 | 10.0 |
| District Heat | 26.8 | 36.2 | 27.7 | 30.5 | 23.8 | 35.2 | 26.2 | 26.7 | 8.9 | 9.6 | 9.9 | 9.4 |
| Boilers | 20.1 | 12.4 | 18.8 | 16.9 | 20.5 | 8.5 | 17.5 | 12.5 | 23.4 | 9.9 | 6.7 | 11.0 |
| Packaged Heating Units | 17.7 | 15.1 | 9.5 | 14.2 | 14.9 | 14.0 | 9.1 | 10.2 | 12.0 | 10.4 | 6.1 | 10.3 |
| Other | 22.4 | 19.9 | 23.9 | 36.2 | 25.5 | 24.2 | 25.0 | 28.7 | 15.7 | 9.9 | 17.8 | 9.7 |
| Cooling Equipment (more than one may apply) | | | | | | | | | | | | |
| Residential-Type Central | | | | | | | | | | | | |
| Air Conditioners | 19.7 | 9.7 | 29.1 | 16.3 | 22.3 | 8.9 | 14.6 | 15.9 | 33.5 | 10.0 | 18.3 | 10.9 |
| Heat Pumps | 25.8 | 21.1 | 14.4 | 29.5 | 21.3 | 18.2 | 15.9 | 20.5 | 21.5 | 7.9 | 10.8 | 19.1 |
| Packaged Heat Pumps | 34.9 | 26.0 | 20.5 | 39.5 | 31.4 | 20.2 | 14.0 | 26.8 | 23.3 | 9.3 | 16.1 | 26.3 |
| Split-System Heat Pumps | 21.6 | 24.2 | 34.3 | 28.8 | 26.5 | 34.1 | 24.5 | 28.8 | 16.8 | 14.7 | 24.5 | 13.2 |
| Individual Room Heat Pumps | 38.4 | 44.9 | 22.7 | 25.4 | 33.2 | 45.4 | 19.7 | 27.3 | 31.8 | 12.7 | 7.1 | 15.1 |
| Individual Air Conditioners | 15.8 | 14.7 | 19.9 | 21.3 | 19.1 | 11.6 | 19.7 | 15.9 | 16.5 | 7.1 | 11.5 | 8.9 |
| District Chilled Water | 29.9 | 42.0 | 27.7 | 28.1 | 29.0 | 40.4 | 23.1 | 26.1 | 11.8 | 20.4 | 11.3 | 13.8 |
| Central Chillers | 19.8 | 13.9 | 18.2 | 25.2 | 18.0 | 13.1 | 14.5 | 23.8 | 4.4 | 8.5 | 6.4 | 14.5 |
| Packaged Air Conditioning | | | | | | | | | | | | |
| Units | 13.4 | 11.3 | 6.9 | 11.1 | 15.5 | 10.7 | 7.0 | 6.5 | 18.1 | 7.8 | 5.8 | 8.0 |
| Swamp Coolers | 100.1 | 101.3 | 47.2 | 13.2 | 100.1 | 101.3 | 41.7 | 15.7 | 0.0 | . | 48.3 | 5.7 |
| Other | 47.7 | 28.9 | 34.5 | 36.8 | 34.4 | 30.3 | 31.4 | 37.7 | 23.4 | 29.2 | 22.1 | 11.8 |
| Main Equipment Replaced Since 1990 (more than one may apply) | | | | | | | | | | | | |
| Heating | 16.4 | 11.4 | 11.2 | 26.6 | 11.2 | 9.7 | 11.5 | 13.9 | 11.6 | 10.0 | 10.0 | 18.8 |
| Cooling | 15.6 | 14.1 | 13.0 | 18.7 | 12.6 | 12.3 | 9.7 | 8.8 | 10.3 | 9.8 | 7.9 | 13.7 |
| Water Heating Equipment | | | | | | | | | | | | |
| Centralized System | 8.5 | 11.4 | 8.1 | 10.7 | 8.5 | 7.4 | 6.9 | 7.5 | 10.6 | 9.4 | 4.9 | 6.6 |
| Distributed System | 32.8 | 20.2 | 11.3 | 19.4 | 33.5 | 17.6 | 9.7 | 13.6 | 34.8 | 8.6 | 4.7 | 10.7 |
| Combination of Centralized and Distributed System | 20.6 | 17.8 | 13.5 | 22.9 | 21.0 | 14.7 | 10.2 | 18.2 | 12.9 | 12.7 | 8.8 | 14.1 |

RSEs for Table C15. Electricity Consumption and Conditional Energy Intensity by Census Region for Non-Mall Buildings, 2003

| | RSEs for Total Electricity Consumption | | | | RSEs for Total Floorspace of Buildings Using Electricity | | | | RSEs for Electricity Energy Intensity | | | |
|--|--|----------|-------|------|--|----------|-------|------|---------------------------------------|----------|-------|------|
| | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west | South | West |
| All Buildings* | 9.8 | 10.6 | 6.0 | 9.0 | 9.5 | 9.8 | 4.7 | 4.6 | 10.5 | 6.7 | 4.0 | 6.2 |
| Lighting Equipment Types (more than one may apply) | | | | | | | | | | | | |
| Incandescent | 13.4 | 9.2 | 8.8 | 13.6 | 14.5 | 8.7 | 6.9 | 9.1 | 15.9 | 7.6 | 5.6 | 10.4 |
| Standard Fluorescent | 10.3 | 10.6 | 6.3 | 9.2 | 9.3 | 9.5 | 4.7 | 5.4 | 10.7 | 6.8 | 3.9 | 6.5 |
| Compact Fluorescent | 14.1 | 10.0 | 10.3 | 13.3 | 11.7 | 9.8 | 9.8 | 7.9 | 12.2 | 6.1 | 5.2 | 7.8 |
| High Intensity Discharge | 14.2 | 15.9 | 11.7 | 9.5 | 10.6 | 14.6 | 10.4 | 6.4 | 9.4 | 7.1 | 7.9 | 6.6 |
| Halogen | 14.0 | 10.6 | 12.7 | 15.9 | 10.5 | 10.8 | 9.0 | 14.7 | 11.2 | 5.2 | 7.8 | 7.7 |
| Other | 76.4 | 77.1 | 46.8 | 73.9 | 66.1 | 76.2 | 50.5 | 82.4 | 17.2 | 18.3 | 24.5 | 84.3 |
| Refrigeration Equipment (more than one may apply)^a | | | | | | | | | | | | |
| Any Refrigeration..... | 10.0 | 8.9 | 6.1 | 10.4 | 9.8 | 8.1 | 4.7 | 5.9 | 11.3 | 7.8 | 3.6 | 6.3 |
| Commercial Refrigeration | 11.6 | 12.6 | 9.4 | 13.7 | 16.0 | 10.7 | 8.8 | 9.1 | 19.0 | 6.8 | 4.8 | 8.4 |
| Walk-In Units | 13.4 | 10.5 | 9.6 | 14.9 | 23.7 | 10.7 | 8.8 | 9.8 | 27.5 | 7.6 | 6.0 | 10.2 |
| Cases or Cabinets | 13.9 | 16.0 | 9.7 | 15.9 | 11.8 | 14.0 | 9.4 | 11.0 | 11.9 | 6.1 | 5.8 | 9.6 |
| Residential-Type Units | 10.7 | 12.6 | 9.8 | 8.8 | 11.2 | 9.3 | 7.2 | 6.5 | 16.0 | 9.1 | 5.8 | 4.3 |
| Vending Machines | 12.3 | 9.5 | 7.1 | 12.7 | 11.6 | 9.2 | 6.1 | 9.6 | 11.1 | 7.3 | 3.7 | 6.6 |
| No Refrigeration | 14.9 | 43.4 | 20.2 | 13.5 | 19.8 | 29.0 | 16.5 | 11.1 | 15.1 | 16.8 | 12.1 | 9.9 |
| Office Equipment (more than one may apply) | | | | | | | | | | | | |
| Computers | 10.3 | 10.1 | 6.5 | 9.9 | 8.8 | 8.4 | 5.3 | 5.7 | 11.4 | 6.9 | 3.4 | 6.5 |
| With Flat Screen Monitors | 15.5 | 10.4 | 10.8 | 12.5 | 10.1 | 9.5 | 10.2 | 9.2 | 9.9 | 6.9 | 3.6 | 7.5 |
| Dedicated Servers | 13.8 | 11.2 | 8.5 | 12.0 | 9.3 | 8.6 | 7.9 | 7.8 | 10.4 | 6.9 | 3.8 | 6.9 |
| Laser Printers | 10.0 | 9.3 | 7.5 | 15.2 | 8.9 | 7.4 | 6.7 | 9.8 | 10.8 | 8.5 | 5.3 | 9.7 |
| Inkjet Printers | 13.3 | 10.5 | 10.8 | 11.8 | 10.5 | 9.3 | 8.1 | 10.6 | 9.7 | 5.9 | 4.7 | 4.3 |
| FAX Machines | 10.6 | 9.5 | 6.7 | 9.8 | 9.3 | 8.0 | 5.4 | 6.7 | 11.6 | 7.5 | 4.0 | 5.5 |
| Photocopiers | 11.5 | 10.3 | 7.0 | 11.4 | 9.3 | 8.2 | 5.2 | 7.8 | 12.1 | 6.9 | 3.6 | 6.2 |
| Number of Computers | | | | | | | | | | | | |
| None | 21.4 | 29.7 | 17.1 | 18.2 | 27.6 | 25.8 | 18.2 | 20.9 | 26.0 | 7.7 | 11.5 | 15.0 |
| 1 to 4 | 19.5 | 23.3 | 11.4 | 15.6 | 19.3 | 18.7 | 7.3 | 12.9 | 29.6 | 14.3 | 12.1 | 12.6 |
| 5 to 9 | 25.5 | 14.1 | 10.7 | 17.3 | 20.5 | 11.9 | 9.8 | 13.3 | 20.6 | 9.6 | 9.2 | 12.6 |
| 10 to 19 | 35.3 | 21.6 | 18.4 | 12.9 | 23.2 | 17.2 | 17.3 | 13.8 | 34.8 | 14.0 | 12.4 | 10.1 |
| 20 to 49 | 18.8 | 18.4 | 17.3 | 21.0 | 19.9 | 17.2 | 13.6 | 15.1 | 13.4 | 10.7 | 7.4 | 17.9 |
| 50 to 99 | 26.0 | 20.6 | 15.9 | 14.8 | 35.4 | 16.4 | 15.9 | 19.1 | 54.7 | 11.0 | 6.3 | 14.3 |
| 100 to 249 | 30.8 | 14.0 | 10.8 | 23.8 | 20.5 | 13.5 | 11.3 | 16.8 | 14.9 | 12.0 | 6.4 | 12.4 |
| 250 or More | 14.3 | 12.4 | 18.2 | 27.7 | 10.8 | 14.7 | 18.5 | 21.0 | 8.6 | 13.2 | 7.5 | 16.1 |
| Number of Dedicated Servers | | | | | | | | | | | | |
| None | 10.4 | 12.3 | 8.2 | 9.2 | 14.3 | 15.0 | 7.1 | 6.9 | 15.6 | 7.8 | 7.5 | 6.0 |
| 1 to 4 | 14.0 | 9.4 | 9.1 | 9.9 | 14.4 | 7.5 | 7.7 | 10.9 | 15.3 | 6.6 | 5.9 | 6.5 |
| 5 to 9 | 27.6 | 15.1 | 38.6 | 41.0 | 23.4 | 17.1 | 29.3 | 23.1 | 17.8 | 16.8 | 15.0 | 35.6 |
| 10 to 19 | 32.8 | 19.1 | 24.8 | 15.5 | 22.7 | 20.7 | 23.7 | 15.9 | 21.5 | 11.7 | 12.6 | 8.5 |
| 20 to 49 | 29.3 | 40.2 | 26.5 | 26.8 | 29.3 | 29.6 | 29.7 | 29.3 | 11.6 | 22.4 | 8.7 | 12.7 |
| 50 or More | 28.4 | 42.0 | 31.1 | 51.1 | 26.6 | 51.2 | 39.0 | 45.6 | 15.8 | 9.7 | 9.8 | 33.0 |
| Number of Photocopiers | | | | | | | | | | | | |
| None | 17.0 | 15.0 | 11.2 | 12.1 | 19.7 | 18.8 | 12.8 | 13.2 | 20.4 | 9.2 | 10.4 | 8.8 |
| One | 17.2 | 10.8 | 13.1 | 11.1 | 19.9 | 13.5 | 9.0 | 14.3 | 26.1 | 8.2 | 6.7 | 10.9 |
| 2 to 4 | 12.7 | 14.0 | 13.1 | 13.2 | 10.3 | 8.6 | 11.4 | 10.4 | 11.3 | 10.7 | 7.1 | 8.3 |
| 5 to 9 | 28.6 | 17.2 | 21.6 | 27.3 | 31.2 | 10.6 | 17.2 | 27.0 | 39.0 | 9.0 | 5.5 | 25.3 |
| 10 or More | 13.4 | 15.7 | 20.3 | 24.8 | 13.7 | 15.8 | 20.5 | 18.7 | 7.1 | 11.3 | 8.3 | 13.5 |

RSEs for Table C15. Electricity Consumption and Conditional Energy Intensity by Census Region for Non-Mall Buildings, 2003

| | RSEs for Total Electricity Consumption | | | | RSEs for Total Floorspace of Buildings Using Electricity | | | | RSEs for Electricity Energy Intensity | | | |
|--|--|----------|-------|------|--|----------|-------|------|---------------------------------------|----------|-------|------|
| | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west | South | West |
| All Buildings* | 9.8 | 10.6 | 6.0 | 9.0 | 9.5 | 9.8 | 4.7 | 4.6 | 10.5 | 6.7 | 4.0 | 6.2 |
| Energy-Related Space Functions (more than one may apply) | | | | | | | | | | | | |
| Commercial Food Preparation | 15.9 | 12.5 | 11.1 | 16.9 | 23.4 | 10.7 | 10.0 | 11.5 | 26.7 | 7.5 | 4.7 | 10.3 |
| Activities with Large Amounts of Hot Water | 20.1 | 10.2 | 12.6 | 15.7 | 25.9 | 10.3 | 8.6 | 6.5 | 31.0 | 5.9 | 6.5 | 12.3 |
| Separate Computer Area | 13.7 | 13.0 | 11.9 | 14.8 | 10.2 | 10.7 | 9.8 | 9.4 | 12.0 | 7.4 | 4.5 | 8.1 |
| HVAC Conservation Features (more than one may apply) | | | | | | | | | | | | |
| Variable Air-Volume System | 18.8 | 12.0 | 11.5 | 18.4 | 14.3 | 10.8 | 10.6 | 10.9 | 9.2 | 6.9 | 4.5 | 10.1 |
| Economizer Cycle | 16.5 | 10.9 | 11.0 | 13.0 | 13.2 | 9.4 | 11.0 | 7.2 | 6.8 | 7.4 | 4.5 | 6.9 |
| HVAC Maintenance | 10.5 | 11.6 | 7.0 | 9.9 | 11.4 | 11.1 | 5.8 | 5.1 | 12.4 | 6.4 | 4.1 | 7.3 |
| Energy Management and Control System (EMCS) | 15.2 | 12.2 | 12.5 | 18.1 | 13.1 | 13.2 | 11.9 | 11.9 | 8.3 | 5.9 | 5.6 | 10.6 |
| Window and Interior Lighting Features (more than one may apply) | | | | | | | | | | | | |
| Multipaned Windows | 10.2 | 11.0 | 6.6 | 12.3 | 13.1 | 9.5 | 4.6 | 7.3 | 14.8 | 7.6 | 4.6 | 7.7 |
| Tinted Window Glass | 14.0 | 13.8 | 9.5 | 12.7 | 12.3 | 13.3 | 7.2 | 7.4 | 8.5 | 8.5 | 4.9 | 7.1 |
| Reflective Window Glass | 21.1 | 17.9 | 15.9 | 11.2 | 14.2 | 14.8 | 10.3 | 10.8 | 13.7 | 12.2 | 9.7 | 4.8 |
| External Overhangs or Awnings | 14.0 | 16.0 | 15.4 | 16.9 | 19.1 | 12.6 | 10.9 | 9.6 | 23.2 | 8.9 | 8.8 | 12.1 |
| Skylights or Atriums | 15.1 | 14.2 | 13.8 | 23.0 | 15.3 | 12.3 | 11.8 | 14.2 | 19.5 | 12.4 | 6.0 | 13.0 |
| Daylighting Sensors | 36.5 | 24.9 | 20.2 | 36.7 | 32.9 | 20.7 | 23.1 | 28.2 | 23.4 | 16.8 | 12.2 | 22.4 |
| Specular Reflectors | 15.8 | 13.7 | 11.6 | 14.4 | 11.4 | 12.5 | 9.2 | 10.1 | 11.9 | 5.6 | 5.7 | 7.4 |
| Electronic Ballasts | 12.8 | 10.6 | 7.5 | 11.2 | 9.4 | 9.8 | 5.8 | 6.7 | 9.7 | 4.4 | 4.6 | 6.8 |
| Energy Management and Control System (EMCS) For Lighting | 22.0 | 16.7 | 21.1 | 22.0 | 19.6 | 24.8 | 22.6 | 26.3 | 7.4 | 13.4 | 10.5 | 11.8 |
| Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^a | | | | | | | | | | | | |
| Heating | 10.6 | 10.2 | 7.1 | 10.3 | 9.4 | 9.4 | 6.2 | 5.3 | 13.4 | 9.2 | 3.1 | 8.2 |
| Cooling | 10.7 | 11.8 | 7.5 | 9.8 | 9.8 | 9.6 | 6.3 | 5.3 | 12.6 | 8.0 | 2.9 | 7.1 |
| Lighting | 10.9 | 12.8 | 5.9 | 5.9 | 9.8 | 10.1 | 4.9 | 4.9 | 11.5 | 7.1 | 4.8 | 5.2 |
| Office Equipment | 12.9 | 20.3 | 13.2 | 10.0 | 11.0 | 11.4 | 7.9 | 10.5 | 14.2 | 15.0 | 7.9 | 5.8 |
| Annual Consumption (kilowatthours) | | | | | | | | | | | | |
| 10,000 or Less | 27.0 | 15.5 | 26.5 | 19.4 | 39.9 | 33.5 | 28.1 | 19.4 | 13.6 | 20.4 | 11.0 | 11.7 |
| 10,001 to 50,000 | 18.1 | 13.4 | 11.9 | 13.0 | 15.6 | 16.8 | 15.6 | 17.3 | 14.2 | 10.6 | 7.0 | 17.8 |
| 50,001 to 100,000 | 18.1 | 17.6 | 9.9 | 13.0 | 28.8 | 18.5 | 9.8 | 13.8 | 26.9 | 14.6 | 8.8 | 6.5 |
| 100,001 to 500,000 | 15.7 | 9.9 | 6.6 | 12.4 | 25.8 | 9.3 | 9.7 | 11.7 | 25.8 | 8.2 | 10.4 | 7.6 |
| 500,001 to 1,000,000 | 16.0 | 18.8 | 12.2 | 20.3 | 14.9 | 13.6 | 10.7 | 17.8 | 13.3 | 11.5 | 8.3 | 12.5 |
| 1,000,001 to 5,000,000 | 18.2 | 17.7 | 11.3 | 10.2 | 16.0 | 15.2 | 8.7 | 8.6 | 9.1 | 5.4 | 5.4 | 9.6 |
| Over 5,000,000 | 18.2 | 12.9 | 20.4 | 31.0 | 16.3 | 21.8 | 23.1 | 29.1 | 11.2 | 13.6 | 8.5 | 15.9 |

RSEs for Table C15. Electricity Consumption and Conditional Energy Intensity by Census Region for Non-Mall Buildings, 2003

| | RSEs for Total Electricity Consumption | | | | RSEs for Total Floorspace of Buildings Using Electricity | | | | RSEs for Electricity Energy Intensity | | | |
|--|--|--------------|-------|------|--|--------------|-------|------|---|--------------|-------|------|
| | North- east | Mid- west | South | West | North- east | Mid- west | South | West | North- east | Mid- west | South | West |
| All Buildings* | 9.8 | 10.6 | 6.0 | 9.0 | 9.5 | 9.8 | 4.7 | 4.6 | 10.5 | 6.7 | 4.0 | 6.2 |
| Provider of Purchased Electricity (more than one may apply) | | | | | | | | | | | | |
| Local Utility | 11.1 | 11.0 | 6.0 | 9.9 | 9.8 | 10.1 | 3.9 | 5.2 | 12.2 | 7.3 | 4.9 | 6.6 |
| Some Other Provider | 18.3 | 23.9 | 33.4 | 45.7 | 19.9 | 23.8 | 29.0 | 45.1 | 8.0 | 13.3 | 17.5 | 29.4 |

X=No cases in the responding sample reported their consumption for the particular fuel, so relative standard error could not be calculated.

RSEs for Table C16. Electricity Expenditures by Census Region for Non-Mall Buildings, 2003

| | | | | | RSEs for Electricity Expenditures | | | | | | | | | |
|--|------------|----------|-------|------|---|----------|-------|------|------------|----------|-------|------|-----------------|----------|
| | | | | | RSEs for Total Electricity Expenditures | | | | per kWh | | | | per Square Foot | |
| | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west |
| All Buildings* | 8.9 | 9.2 | 5.7 | 11.4 | 4.0 | 3.1 | 2.8 | 5.2 | 11.8 | 7.5 | 4.5 | 8.8 | | |
| Building Floorspace (Square Feet) | | | | | | | | | | | | | | |
| 1,001 to 5,000 | 12.8 | 10.6 | 12.8 | 12.0 | 3.3 | 2.8 | 3.0 | 6.4 | 13.0 | 10.1 | 9.3 | 15.1 | | |
| 5,001 to 10,000 | 14.3 | 22.8 | 13.7 | 30.8 | 6.4 | 7.2 | 2.7 | 7.0 | 15.3 | 15.8 | 9.4 | 30.3 | | |
| 10,001 to 25,000 | 17.4 | 13.3 | 14.4 | 13.1 | 11.4 | 3.3 | 3.9 | 6.1 | 17.7 | 11.2 | 14.8 | 14.2 | | |
| 25,001 to 50,000 | 18.3 | 14.1 | 16.2 | 22.0 | 5.1 | 2.2 | 3.6 | 16.5 | 16.9 | 9.9 | 11.4 | 14.9 | | |
| 50,001 to 100,000 | 20.5 | 17.8 | 9.1 | 23.9 | 4.1 | 4.9 | 2.9 | 9.0 | 18.8 | 14.7 | 4.2 | 11.5 | | |
| 100,001 to 200,000 | 29.9 | 20.2 | 22.4 | 22.9 | 6.2 | 6.4 | 5.5 | 15.9 | 37.6 | 10.6 | 11.0 | 17.8 | | |
| 200,001 to 500,000 | 20.5 | 18.0 | 16.3 | 22.9 | 3.8 | 5.4 | 5.7 | 16.8 | 34.3 | 14.3 | 7.3 | 21.4 | | |
| Over 500,000 | 30.0 | 16.5 | 29.2 | 42.6 | 18.9 | 4.3 | 22.9 | 16.4 | 21.2 | 13.7 | 14.1 | 23.4 | | |
| Principal Building Activity | | | | | | | | | | | | | | |
| Education | 20.5 | 14.5 | 13.7 | 10.9 | 7.2 | 4.1 | 3.3 | 10.6 | 10.4 | 10.5 | 6.7 | 9.1 | | |
| Food Sales | 17.7 | 32.9 | 28.3 | 41.3 | 16.5 | 9.1 | 6.3 | 9.8 | 13.0 | 19.8 | 10.3 | 43.5 | | |
| Food Service | 22.9 | 21.6 | 20.7 | 37.2 | 7.9 | 6.1 | 5.5 | 11.9 | 19.3 | 18.6 | 13.3 | 20.1 | | |
| Health Care | 13.0 | 16.8 | 12.1 | 18.0 | 11.3 | 5.3 | 6.2 | 6.3 | 14.3 | 7.6 | 11.6 | 6.0 | | |
| Inpatient | 17.9 | 11.1 | 15.8 | 19.5 | 11.2 | 4.2 | 7.8 | 8.9 | 15.6 | 7.8 | 9.7 | 7.6 | | |
| Outpatient | 27.8 | 32.8 | 16.9 | 22.3 | 9.1 | 7.0 | 6.6 | 9.9 | 21.2 | 16.7 | 24.5 | 11.5 | | |
| Lodging | 27.0 | 14.3 | 20.5 | 40.3 | 8.4 | 4.6 | 4.8 | 9.3 | 62.1 | 6.9 | 9.0 | 32.4 | | |
| Retail (Other Than Mall)..... | 20.2 | 26.8 | 24.4 | 32.3 | 7.5 | 7.1 | 4.7 | 19.1 | 13.0 | 13.8 | 17.5 | 18.6 | | |
| Office | 16.6 | 15.6 | 14.9 | 17.8 | 7.8 | 3.4 | 2.7 | 7.4 | 9.6 | 7.5 | 5.0 | 7.9 | | |
| Public Assembly | 29.5 | 24.7 | 20.9 | 56.8 | 12.8 | 3.8 | 5.4 | 18.8 | 77.6 | 13.8 | 15.2 | 53.0 | | |
| Public Order and Safety | 41.4 | 37.4 | 46.1 | 28.6 | 12.4 | 12.6 | 11.2 | 12.3 | 24.9 | 8.8 | 22.0 | 10.9 | | |
| Religious Worship | 27.0 | 11.9 | 14.0 | 24.0 | 9.7 | 4.3 | 5.4 | 17.8 | 17.8 | 9.9 | 8.8 | 22.1 | | |
| Service | 26.9 | 19.4 | 19.1 | 20.0 | 10.1 | 6.9 | 91.7 | 23.2 | 21.3 | 7.5 | 20.6 | 27.2 | | |
| Warehouse and Storage | 18.8 | 29.8 | 17.5 | 33.2 | 8.0 | 8.7 | 4.4 | 15.7 | 22.2 | 9.0 | 12.8 | 15.4 | | |
| Other | 36.8 | 33.7 | 71.3 | 57.5 | 7.5 | 5.3 | 19.9 | 5.2 | 17.9 | 17.9 | 133.3 | 31.2 | | |
| Vacant | 53.9 | 41.9 | 50.6 | 49.3 | 23.1 | 11.2 | 18.8 | 46.1 | 37.3 | 47.3 | 43.3 | 32.9 | | |
| Year Constructed | | | | | | | | | | | | | | |
| Before 1920 | 26.2 | 14.3 | 50.6 | 45.7 | 14.4 | 5.5 | 6.6 | 22.8 | 23.2 | 13.4 | 15.7 | 37.7 | | |
| 1920 to 1945 | 18.7 | 31.9 | 25.3 | 23.5 | 8.9 | 10.5 | 4.3 | 8.9 | 24.2 | 9.2 | 11.8 | 14.9 | | |
| 1946 to 1959 | 37.4 | 16.5 | 22.5 | 20.0 | 10.6 | 4.4 | 7.5 | 15.3 | 37.7 | 8.5 | 8.4 | 15.2 | | |
| 1960 to 1969 | 22.0 | 16.7 | 14.1 | 24.0 | 5.9 | 4.3 | 3.2 | 12.0 | 13.2 | 15.0 | 11.1 | 19.7 | | |
| 1970 to 1979 | 18.7 | 18.5 | 11.5 | 21.5 | 6.3 | 4.3 | 16.9 | 9.6 | 14.8 | 17.0 | 9.4 | 9.7 | | |
| 1980 to 1989 | 18.5 | 17.1 | 11.4 | 21.6 | 3.8 | 4.0 | 2.6 | 6.4 | 15.4 | 8.3 | 6.5 | 16.1 | | |
| 1990 to 1999 | 29.6 | 16.0 | 13.7 | 28.4 | 6.0 | 3.5 | 4.2 | 9.0 | 24.0 | 9.7 | 8.7 | 25.2 | | |
| 2000 to 2003 | 33.4 | 22.3 | 17.4 | 16.2 | 7.9 | 6.9 | 3.0 | 16.1 | 9.6 | 10.1 | 14.8 | 13.0 | | |
| Climate Zone: 30-Year Average | | | | | | | | | | | | | | |
| Under 2,000 CDD and -- | | | | | | | | | | | | | | |
| More than 7,000 HDD | 41.1 | 12.9 | 0.0 | 23.7 | 5.5 | 1.6 | 0.0 | 1.2 | 22.9 | 8.1 | 0.0 | 6.2 | | |
| 5,500-7,000 HDD | 21.9 | 16.3 | 0.0 | 41.4 | 3.6 | 5.3 | 0.0 | 25.8 | 13.5 | 12.6 | 0.0 | 37.2 | | |
| 4,000-5,499 HDD | 22.9 | 21.8 | 32.5 | 71.3 | 7.9 | 1.3 | 13.7 | 15.0 | 24.5 | 1.7 | 10.6 | 23.8 | | |
| Fewer than 4,000 HDD | 0.0 | 0.0 | 16.6 | 15.3 | 0.0 | 0.0 | 2.9 | 6.7 | 0.0 | 0.0 | 6.1 | 11.3 | | |
| 2,000 CDD or More and -- | | | | | | | | | | | | | | |
| Fewer than 4,000 HDD | 0.0 | 0.0 | 11.6 | 37.9 | 0.0 | 0.0 | 2.7 | 6.6 | 0.0 | 0.0 | 8.0 | 13.1 | | |
| Number of Floors | | | | | | | | | | | | | | |
| One | 12.9 | 13.4 | 9.2 | 9.7 | 8.6 | 5.7 | 2.4 | 8.1 | 11.8 | 6.8 | 6.5 | 8.1 | | |
| Two | 13.3 | 14.1 | 14.9 | 23.7 | 3.1 | 3.9 | 3.8 | 10.6 | 14.9 | 12.2 | 8.4 | 20.7 | | |
| Three | 25.8 | 19.8 | 13.7 | 18.0 | 8.9 | 2.3 | 4.2 | 8.6 | 24.6 | 16.5 | 5.5 | 16.2 | | |
| Four to Nine | 22.0 | 14.5 | 20.5 | 21.3 | 3.2 | 3.5 | 15.0 | 5.7 | 26.7 | 10.4 | 15.4 | 11.3 | | |
| Ten or More | 22.9 | 18.8 | 26.3 | 48.1 | 14.6 | 7.3 | 3.7 | 18.0 | 19.9 | 8.2 | 8.2 | 22.7 | | |

RSEs for Table C16. Electricity Expenditures by Census Region for Non-Mall Buildings, 2003

| | | | | | RSEs for Electricity Expenditures | | | | | | | | | |
|---|------------|----------|-------|------|---|----------|-------|------|------------|----------|-------|------|-----------------|----------|
| | | | | | RSEs for Total Electricity Expenditures | | | | per kWh | | | | per Square Foot | |
| | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west |
| All Buildings* | 8.9 | 9.2 | 5.7 | 11.4 | 4.0 | 3.1 | 2.8 | 5.2 | 11.8 | 7.5 | 4.5 | 8.8 | | |
| Elevators and Escalators (more than one may apply) | | | | | | | | | | | | | | |
| Any Elevators | 14.8 | 11.3 | 11.0 | 20.9 | 5.4 | 2.6 | 6.1 | 8.2 | 14.6 | 8.1 | 4.9 | 10.6 | | |
| Number of Elevators | | | | | | | | | | | | | | |
| One | 27.1 | 15.6 | 13.1 | 18.3 | 4.7 | 3.7 | 3.7 | 6.3 | 20.7 | 6.9 | 7.9 | 15.6 | | |
| Two to Five | 24.5 | 17.3 | 17.8 | 23.8 | 4.7 | 3.2 | 3.6 | 10.5 | 23.7 | 12.8 | 4.9 | 17.8 | | |
| Six or More | 24.0 | 13.7 | 22.9 | 38.6 | 14.8 | 4.6 | 18.3 | 13.3 | 16.6 | 11.9 | 11.8 | 16.9 | | |
| Any Escalators | 39.5 | 43.3 | 33.0 | 65.5 | 13.9 | 7.1 | 40.0 | 10.4 | 23.7 | 12.8 | 26.1 | 46.1 | | |
| Number of Workers (main shift) | | | | | | | | | | | | | | |
| Fewer than 5 | 15.6 | 22.1 | 14.8 | 12.3 | 3.1 | 9.3 | 3.4 | 10.3 | 17.3 | 13.0 | 9.2 | 15.4 | | |
| 5 to 9 | 21.6 | 19.0 | 13.3 | 11.9 | 6.1 | 3.5 | 4.6 | 8.1 | 19.7 | 15.1 | 11.3 | 13.2 | | |
| 10 to 19 | 22.9 | 13.7 | 11.7 | 24.6 | 6.3 | 2.8 | 2.4 | 7.8 | 35.9 | 12.1 | 12.0 | 20.0 | | |
| 20 to 49 | 23.6 | 14.3 | 13.8 | 24.8 | 5.4 | 3.7 | 4.4 | 11.8 | 33.0 | 8.7 | 7.1 | 15.5 | | |
| 50 to 99 | 28.1 | 15.8 | 12.3 | 19.5 | 10.0 | 5.8 | 3.6 | 10.8 | 19.1 | 9.4 | 5.6 | 11.2 | | |
| 100 to 249 | 24.6 | 19.3 | 17.4 | 25.6 | 3.5 | 3.5 | 5.5 | 12.1 | 16.2 | 12.2 | 13.4 | 24.4 | | |
| 250 or More | 17.5 | 11.9 | 18.8 | 31.6 | 9.7 | 4.1 | 11.9 | 13.9 | 10.8 | 9.6 | 8.2 | 14.9 | | |
| Weekly Operating Hours | | | | | | | | | | | | | | |
| Fewer than 40 | 31.4 | 15.4 | 14.3 | 38.1 | 23.7 | 4.4 | 5.5 | 16.7 | 16.7 | 21.8 | 11.1 | 26.7 | | |
| 40 to 48 | 14.7 | 21.7 | 9.7 | 10.2 | 4.7 | 5.6 | 3.5 | 11.3 | 29.1 | 15.0 | 7.8 | 6.1 | | |
| 49 to 60 | 14.9 | 22.5 | 11.7 | 16.3 | 4.0 | 7.6 | 2.9 | 6.6 | 9.2 | 9.9 | 6.8 | 9.4 | | |
| 61 to 84 | 16.7 | 16.9 | 10.6 | 11.6 | 5.3 | 3.2 | 3.6 | 6.7 | 9.7 | 7.8 | 10.5 | 11.4 | | |
| 85 to 167 | 12.9 | 11.3 | 14.3 | 12.3 | 10.2 | 5.5 | 4.4 | 11.6 | 20.2 | 10.8 | 8.8 | 13.9 | | |
| Open Continuously | 18.8 | 9.6 | 13.0 | 26.0 | 8.1 | 3.9 | 12.3 | 9.5 | 18.3 | 7.9 | 7.8 | 18.1 | | |
| Ownership and Occupancy | | | | | | | | | | | | | | |
| Nongovernment Owned | 9.8 | 8.9 | 6.5 | 14.2 | 4.1 | 2.5 | 1.7 | 5.6 | 13.1 | 8.8 | 5.3 | 9.7 | | |
| Owner Occupied | 12.4 | 11.2 | 11.8 | 21.8 | 2.7 | 3.1 | 2.5 | 10.5 | 13.2 | 8.4 | 6.9 | 17.7 | | |
| Nonowner Occupied | 14.2 | 12.1 | 9.9 | 16.2 | 7.8 | 2.7 | 2.1 | 5.1 | 16.4 | 7.5 | 6.9 | 10.2 | | |
| Unoccupied | 86.4 | 49.5 | 50.6 | 80.1 | 0.8 | 17.4 | 18.8 | 0.7 | 21.2 | 61.5 | 43.3 | 6.5 | | |
| Government Owned | 15.5 | 17.1 | 11.6 | 11.7 | 5.8 | 5.9 | 9.8 | 10.8 | 9.4 | 5.9 | 6.9 | 9.7 | | |
| Federal | 37.8 | 47.9 | 46.1 | 38.9 | 17.9 | 6.5 | 106.6 | 7.9 | 30.1 | 7.9 | 41.8 | 20.5 | | |
| State | 28.9 | 37.0 | 29.3 | 23.7 | 7.2 | 5.0 | 3.5 | 10.9 | 16.6 | 13.8 | 11.1 | 11.9 | | |
| Local | 22.8 | 13.6 | 14.9 | 15.4 | 8.7 | 5.0 | 4.4 | 14.7 | 11.9 | 9.1 | 6.1 | 14.1 | | |
| Vacancy Status | | | | | | | | | | | | | | |
| Completely Vacant | 71.9 | 50.7 | 50.6 | 80.1 | 2.2 | 15.2 | 18.8 | 0.7 | 30.3 | 59.9 | 43.3 | 6.5 | | |
| Mostly Vacant | 81.1 | 60.8 | X | 58.7 | 61.5 | 2.9 | X | 48.5 | 76.9 | 18.9 | X | 29.7 | | |
| Partially Vacant | 19.1 | 11.2 | 15.7 | 26.2 | 9.3 | 5.0 | 4.6 | 14.3 | 13.6 | 6.7 | 8.6 | 9.3 | | |
| Not At All Vacant | 7.6 | 10.9 | 6.0 | 11.8 | 4.8 | 3.9 | 3.3 | 5.3 | 14.5 | 7.3 | 4.9 | 9.7 | | |
| Number of Establishments | | | | | | | | | | | | | | |
| One | 7.5 | 9.1 | 6.2 | 13.9 | 5.8 | 3.7 | 3.6 | 6.5 | 17.1 | 6.6 | 4.8 | 11.9 | | |
| 2 to 5 | 19.3 | 18.5 | 7.7 | 32.7 | 7.3 | 3.3 | 3.2 | 11.1 | 17.0 | 10.1 | 7.0 | 17.2 | | |
| 6 to 10 | 36.2 | 16.6 | 44.8 | 25.7 | 7.0 | 6.8 | 4.7 | 10.4 | 25.3 | 17.7 | 13.8 | 16.5 | | |
| 11 to 20 | 30.6 | 26.6 | 27.2 | 30.5 | 6.7 | 3.2 | 10.5 | 9.8 | 17.6 | 9.7 | 15.3 | 6.4 | | |
| More than 20 | 36.0 | 47.8 | 28.1 | 55.0 | 19.7 | 15.2 | 8.0 | 31.8 | 23.8 | 17.0 | 15.9 | 27.3 | | |
| Currently Unoccupied | 71.9 | 50.7 | 50.6 | 80.1 | 2.2 | 15.2 | 18.8 | 0.7 | 30.3 | 59.9 | 43.3 | 6.5 | | |

RSEs for Table C16. Electricity Expenditures by Census Region for Non-Mall Buildings, 2003

| | | | | | RSEs for Electricity Expenditures | | | | | | | | | |
|---|------------|----------|-------|------|---|----------|-------|-------|------------|----------|-------|-------|-----------------|----------|
| | | | | | RSEs for Total Electricity Expenditures | | | | per kWh | | | | per Square Foot | |
| | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west |
| All Buildings* | 8.9 | 9.2 | 5.7 | 11.4 | 4.0 | 3.1 | 2.8 | 5.2 | 11.8 | 7.5 | 4.5 | 8.8 | | |
| Predominant Exterior Wall Material | | | | | | | | | | | | | | |
| Brick, Stone or Stucco | 12.5 | 12.5 | 6.1 | 11.3 | 5.2 | 5.0 | 2.0 | 4.8 | 15.9 | 7.7 | 3.5 | 7.2 | | |
| Concrete (Block or Poured) | 14.9 | 17.9 | 13.8 | 21.2 | 3.5 | 3.7 | 4.0 | 7.1 | 13.9 | 13.1 | 9.9 | 12.8 | | |
| Concrete Panels | 20.0 | 15.9 | 25.6 | 33.5 | 9.1 | 4.9 | 21.5 | 8.0 | 16.6 | 15.7 | 16.8 | 14.7 | | |
| Siding or Shingles | 22.4 | 16.2 | 22.0 | 45.4 | 5.4 | 4.0 | 7.0 | 17.9 | 29.3 | 12.7 | 17.5 | 48.7 | | |
| Metal Panels | 40.9 | 20.8 | 18.2 | 27.1 | 12.4 | 7.6 | 6.2 | 21.8 | 19.4 | 14.2 | 16.6 | 20.7 | | |
| Window Glass | 48.0 | 62.7 | 32.9 | 56.8 | 9.2 | 11.4 | 5.2 | 25.6 | 19.7 | 28.1 | 13.8 | 33.6 | | |
| Other | 44.0 | 42.1 | 41.8 | 54.9 | 26.9 | 5.6 | 8.7 | 11.7 | 51.0 | 10.6 | 14.5 | 31.1 | | |
| No One Major Type | 74.1 | 53.6 | 70.2 | 58.7 | 22.3 | 5.4 | 1.5 | 129.6 | 8.1 | 35.4 | 41.8 | 107.2 | | |
| Predominant Roof Material | | | | | | | | | | | | | | |
| Built-Up | 15.2 | 7.6 | 12.1 | 16.1 | 5.0 | 3.2 | 2.7 | 6.1 | 13.3 | 11.0 | 8.2 | 12.3 | | |
| Shingles (Not Wood) | 20.4 | 12.5 | 12.5 | 24.2 | 12.4 | 4.6 | 3.0 | 6.9 | 15.0 | 12.1 | 9.4 | 24.3 | | |
| Metal Surfacing | 27.1 | 18.0 | 12.5 | 20.5 | 12.9 | 4.6 | 4.1 | 14.3 | 24.8 | 7.7 | 6.8 | 12.5 | | |
| Synthetic or Rubber | 17.2 | 15.5 | 10.4 | 17.2 | 3.8 | 2.8 | 10.2 | 9.6 | 11.6 | 9.7 | 7.9 | 16.0 | | |
| Slate or Tile | 23.8 | 29.9 | 20.5 | 23.2 | 17.3 | 4.6 | 8.7 | 4.9 | 38.0 | 25.9 | 10.8 | 24.7 | | |
| Wooden Materials | 67.0 | 54.4 | 33.6 | 52.5 | 9.7 | 27.3 | 4.9 | 5.0 | 31.2 | 37.3 | 10.6 | 24.6 | | |
| Concrete | 100.1 | 64.0 | 51.6 | 36.9 | 101.8 | 10.9 | 6.6 | 19.0 | 100.0 | 10.1 | 15.3 | 28.7 | | |
| Other | 91.7 | 45.4 | 53.1 | 54.8 | 11.0 | 7.2 | 8.6 | 21.7 | 82.7 | 26.6 | 39.1 | 19.4 | | |
| No One Major Type | 56.5 | 51.0 | 65.1 | 7.5 | 32.5 | 14.4 | 10.3 | 21.8 | 47.7 | 15.3 | 14.5 | 105.7 | | |
| Renovations in Buildings Constructed Before 1980 (more than one may apply) | | | | | | | | | | | | | | |
| Any Type of Renovation | | | | | | | | | | | | | | |
| Since 1980 | 11.9 | 12.8 | 10.9 | 16.7 | 4.9 | 3.0 | 2.6 | 9.8 | 12.5 | 10.0 | 6.0 | 8.8 | | |
| Addition or Annex | 21.9 | 16.8 | 16.3 | 17.4 | 6.3 | 2.7 | 3.2 | 14.3 | 33.3 | 10.4 | 7.2 | 15.3 | | |
| Reduction In Floorspace | 39.4 | 43.7 | 72.8 | 72.8 | 10.9 | 5.1 | 10.6 | 80.8 | 21.8 | 43.3 | 10.6 | 72.6 | | |
| Cosmetic Improvements | 12.8 | 12.9 | 12.1 | 18.0 | 5.4 | 3.3 | 3.2 | 11.0 | 13.8 | 9.2 | 5.6 | 7.7 | | |
| Wall or Roof Replacement | 21.6 | 15.0 | 17.0 | 26.5 | 6.3 | 3.8 | 3.6 | 15.6 | 22.7 | 10.6 | 5.3 | 13.4 | | |
| Interior Wall | | | | | | | | | | | | | | |
| Re-Configuration | 14.9 | 14.1 | 16.2 | 24.0 | 5.5 | 3.6 | 3.5 | 13.9 | 18.2 | 7.5 | 7.0 | 11.6 | | |
| HVAC Equipment Upgrade | 15.6 | 13.1 | 13.7 | 25.0 | 5.5 | 3.0 | 3.0 | 14.0 | 10.9 | 9.9 | 5.2 | 12.9 | | |
| Lighting Upgrade | 12.3 | 13.8 | 17.2 | 23.5 | 6.6 | 2.9 | 3.7 | 13.4 | 15.0 | 9.2 | 6.9 | 9.9 | | |
| Window Replacement | 19.1 | 17.8 | 18.5 | 22.4 | 4.9 | 4.3 | 3.6 | 19.2 | 22.0 | 14.2 | 12.8 | 12.8 | | |
| Plumbing System Upgrade | 20.3 | 15.5 | 18.4 | 28.0 | 6.1 | 3.5 | 4.2 | 17.2 | 21.7 | 8.4 | 7.2 | 13.2 | | |
| Insulation Upgrade | 23.3 | 16.7 | 25.7 | 22.8 | 8.0 | 3.8 | 3.6 | 20.9 | 15.7 | 12.8 | 7.8 | 14.4 | | |
| Other Renovation | 37.2 | 43.9 | 65.7 | 62.4 | 16.3 | 11.4 | 47.5 | 18.9 | 31.8 | 21.5 | 362.5 | 38.4 | | |
| No Renovations Since 1980 | 7.5 | 13.3 | 12.5 | 15.6 | 6.4 | 7.1 | 16.0 | 7.5 | 19.6 | 9.8 | 9.5 | 9.7 | | |
| Building Newer than 1980 | 19.1 | 9.9 | 8.8 | 17.5 | 4.4 | 3.1 | 2.1 | 6.4 | 11.2 | 7.0 | 5.5 | 11.9 | | |
| Energy Sources (more than one may apply) | | | | | | | | | | | | | | |
| Electricity | 8.9 | 9.2 | 5.7 | 11.4 | 4.0 | 3.1 | 2.8 | 5.2 | 11.8 | 7.5 | 4.5 | 8.8 | | |
| Natural Gas | 10.0 | 7.7 | 8.9 | 14.8 | 4.2 | 2.7 | 4.7 | 5.4 | 13.2 | 7.2 | 5.4 | 8.6 | | |
| Fuel Oil | 23.3 | 12.0 | 17.7 | 28.2 | 7.7 | 2.9 | 3.3 | 12.2 | 14.3 | 8.1 | 5.3 | 17.2 | | |
| District Heat | 31.4 | 30.7 | 31.1 | 35.9 | 10.7 | 5.4 | 4.2 | 19.1 | 15.3 | 8.2 | 10.8 | 21.0 | | |
| District Chilled Water | 29.0 | 40.8 | 30.9 | 41.0 | 9.4 | 6.8 | 3.6 | 14.6 | 8.5 | 17.5 | 13.0 | 23.8 | | |
| Propane | 21.1 | 36.0 | 21.0 | 40.8 | 5.3 | 6.2 | 5.4 | 23.5 | 20.8 | 8.9 | 7.5 | 35.2 | | |
| Other | 34.2 | 38.5 | 45.9 | 29.0 | 15.4 | 9.1 | 8.9 | 31.8 | 15.5 | 29.3 | 23.5 | 26.1 | | |

RSEs for Table C16. Electricity Expenditures by Census Region for Non-Mall Buildings, 2003

| | | | | | RSEs for Electricity Expenditures | | | | | | | | | |
|--|------------|----------|-------|------|---|----------|-------|------|------------|----------|-------|------|-----------------|----------|
| | | | | | RSEs for Total Electricity Expenditures | | | | per kWh | | | | per Square Foot | |
| | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west |
| All Buildings* | 8.9 | 9.2 | 5.7 | 11.4 | 4.0 | 3.1 | 2.8 | 5.2 | 11.8 | 7.5 | 4.5 | 8.8 | | |
| Space-Heating Energy Sources | | | | | | | | | | | | | | |
| Electricity | 17.8 | 12.1 | 8.5 | 15.6 | 4.2 | 3.0 | 5.5 | 7.4 | 9.9 | 7.0 | 5.8 | 9.9 | | |
| Electricity Main | 23.8 | 16.9 | 11.0 | 14.2 | 6.3 | 2.8 | 3.2 | 11.5 | 8.4 | 9.2 | 6.2 | 11.6 | | |
| Electricity Secondary | 24.3 | 12.4 | 9.7 | 30.1 | 4.4 | 4.0 | 14.7 | 9.7 | 16.1 | 7.2 | 9.1 | 17.1 | | |
| Other Excluding Electricity | 9.6 | 8.8 | 11.5 | 12.6 | 6.6 | 4.4 | 2.5 | 5.9 | 15.1 | 10.0 | 6.0 | 10.9 | | |
| Buildings without Heating | 40.8 | 37.0 | 31.3 | 44.4 | 10.4 | 44.5 | 3.8 | 5.8 | 58.8 | 23.5 | 25.8 | 20.2 | | |
| Primary Space-Heating Energy Source | | | | | | | | | | | | | | |
| Electricity | 23.8 | 16.9 | 11.0 | 14.2 | 6.3 | 2.8 | 3.2 | 11.5 | 8.4 | 9.2 | 6.2 | 11.6 | | |
| Natural Gas | 11.7 | 8.2 | 9.3 | 15.8 | 5.4 | 2.9 | 6.3 | 6.1 | 8.2 | 9.0 | 6.7 | 10.0 | | |
| Fuel Oil | 20.4 | 18.1 | 31.5 | 50.8 | 4.6 | 12.7 | 12.3 | 23.6 | 35.3 | 26.3 | 9.1 | 34.0 | | |
| District Heat | 34.6 | 32.1 | 32.2 | 36.4 | 11.0 | 4.5 | 4.2 | 19.9 | 15.3 | 7.6 | 10.6 | 22.9 | | |
| Propane | 44.5 | 54.7 | 37.8 | 77.9 | 7.0 | 5.7 | 8.7 | 31.7 | 14.2 | 12.6 | 17.1 | 77.8 | | |
| Other | 79.3 | 64.7 | 62.6 | 33.9 | 6.4 | 32.2 | 9.3 | 48.5 | 25.5 | 19.9 | 35.8 | 85.1 | | |
| Cooling Energy Sources | | | | | | | | | | | | | | |
| Electricity | 9.9 | 9.2 | 5.9 | 12.5 | 3.9 | 2.7 | 3.0 | 5.6 | 12.4 | 6.1 | 4.2 | 9.2 | | |
| Other Excluding Electricity | 42.9 | 45.0 | 40.4 | 31.5 | 26.5 | 6.4 | 4.1 | 12.6 | 29.1 | 21.9 | 16.8 | 22.1 | | |
| Buildings without Cooling | 25.3 | 50.4 | 24.5 | 22.4 | 5.7 | 9.0 | 7.2 | 10.5 | 27.1 | 18.6 | 15.0 | 15.9 | | |
| Water-Heating Energy Sources | | | | | | | | | | | | | | |
| Electricity | 14.1 | 11.8 | 9.9 | 9.8 | 4.4 | 3.0 | 2.9 | 9.7 | 12.0 | 10.6 | 5.8 | 9.2 | | |
| Other Excluding Electricity | 9.1 | 8.0 | 10.6 | 17.3 | 5.2 | 2.5 | 6.1 | 5.6 | 14.2 | 7.2 | 5.2 | 13.5 | | |
| Bldgs without Water Heating | 23.9 | 47.9 | 13.0 | 30.9 | 7.9 | 11.3 | 3.4 | 9.0 | 28.4 | 14.7 | 11.4 | 26.1 | | |
| Cooking Energy Sources | | | | | | | | | | | | | | |
| Electricity | 17.1 | 15.1 | 11.7 | 28.8 | 6.4 | 4.0 | 3.7 | 10.0 | 12.8 | 8.3 | 4.6 | 17.9 | | |
| Other Excluding Electricity | 28.6 | 12.3 | 12.3 | 33.2 | 8.4 | 4.4 | 18.1 | 14.5 | 55.7 | 7.3 | 10.8 | 28.3 | | |
| Buildings without Cooking | 13.0 | 10.1 | 8.5 | 9.3 | 2.8 | 3.4 | 1.7 | 6.1 | 10.3 | 9.1 | 5.4 | 7.8 | | |
| Energy End Uses (more than one may apply) | | | | | | | | | | | | | | |
| Buildings with Space Heating | 8.9 | 9.2 | 5.5 | 11.9 | 4.0 | 3.0 | 2.8 | 5.4 | 11.9 | 7.5 | 4.3 | 9.6 | | |
| Buildings with Cooling | 9.5 | 8.7 | 5.7 | 12.3 | 4.1 | 2.5 | 2.8 | 5.4 | 11.9 | 6.0 | 4.2 | 8.9 | | |
| Buildings with Water Heating | 8.9 | 8.2 | 5.8 | 12.5 | 4.1 | 2.5 | 2.9 | 5.5 | 12.0 | 7.8 | 4.1 | 9.6 | | |
| Buildings with Cooking | 12.3 | 10.5 | 9.8 | 22.0 | 5.6 | 3.3 | 5.8 | 8.6 | 28.4 | 6.5 | 5.4 | 15.9 | | |
| Buildings with Manufacturing | 28.3 | 29.6 | 23.8 | 45.4 | 7.0 | 7.6 | 13.2 | 25.4 | 23.7 | 22.0 | 22.3 | 29.2 | | |
| Buildings with Electricity Generation | 18.3 | 12.2 | 12.6 | 25.5 | 8.7 | 2.9 | 2.8 | 10.5 | 13.7 | 8.3 | 4.8 | 13.3 | | |
| Percent of Floorspace Heated | | | | | | | | | | | | | | |
| Not Heated | 40.8 | 37.0 | 31.3 | 44.4 | 10.4 | 44.5 | 3.8 | 5.8 | 58.8 | 23.5 | 25.8 | 20.2 | | |
| 1 to 50 | 36.2 | 38.0 | 21.7 | 24.6 | 9.8 | 8.1 | 10.6 | 5.9 | 13.4 | 21.5 | 14.6 | 14.5 | | |
| 51 to 99 | 17.9 | 14.1 | 16.1 | 19.7 | 11.0 | 5.1 | 3.0 | 12.1 | 10.8 | 12.5 | 9.3 | 9.5 | | |
| 100 | 9.6 | 10.4 | 7.2 | 14.8 | 4.5 | 3.3 | 3.8 | 5.2 | 15.3 | 8.0 | 4.4 | 11.7 | | |
| Percent of Floorspace Cooled | | | | | | | | | | | | | | |
| Not Cooled | 25.3 | 50.4 | 24.5 | 22.4 | 5.7 | 9.0 | 7.2 | 10.5 | 27.1 | 18.6 | 15.0 | 15.9 | | |
| 1 to 50 | 8.6 | 12.3 | 13.9 | 25.1 | 3.8 | 5.6 | 4.0 | 13.2 | 13.3 | 6.6 | 11.1 | 16.4 | | |
| 51 to 99 | 16.3 | 14.4 | 10.4 | 15.0 | 7.6 | 2.8 | 2.5 | 7.9 | 17.4 | 10.3 | 6.1 | 7.8 | | |
| 100 | 12.8 | 11.4 | 8.5 | 17.4 | 6.1 | 2.8 | 4.5 | 5.7 | 6.3 | 5.0 | 4.4 | 13.3 | | |

RSEs for Table C16. Electricity Expenditures by Census Region for Non-Mall Buildings, 2003

| | | | | | RSEs for Electricity Expenditures | | | | | | | | | |
|---|------------|----------|-------|------|---|----------|-------|-------|------------|----------|-------|------|-----------------|----------|
| | | | | | RSEs for Total Electricity Expenditures | | | | per kWh | | | | per Square Foot | |
| | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west |
| All Buildings* | 8.9 | 9.2 | 5.7 | 11.4 | 4.0 | 3.1 | 2.8 | 5.2 | 11.8 | 7.5 | 4.5 | 8.8 | | |
| Percent Lit When Open | | | | | | | | | | | | | | |
| Zero | 59.1 | 96.0 | 67.6 | 63.3 | 40.9 | 0.0 | 55.3 | 6.8 | 23.3 | 0.0 | 79.8 | 21.0 | | |
| 1 to 50 | 21.7 | 9.6 | 12.8 | 26.2 | 4.2 | 3.1 | 3.3 | 6.8 | 24.8 | 8.9 | 7.7 | 23.4 | | |
| 51 to 99 | 12.4 | 14.7 | 11.5 | 14.2 | 4.0 | 3.1 | 2.7 | 8.8 | 11.9 | 10.0 | 6.5 | 7.8 | | |
| 100 | 12.8 | 9.8 | 7.9 | 14.5 | 6.8 | 3.8 | 4.6 | 4.8 | 15.9 | 6.7 | 6.2 | 10.9 | | |
| Building Never Open/ Electricity Not Used | 68.9 | 34.0 | 44.7 | 57.7 | 2.3 | 9.8 | 16.8 | 245.8 | 28.8 | 44.5 | 39.8 | 24.1 | | |
| Percent Lit When Closed | | | | | | | | | | | | | | |
| Zero | 14.0 | 10.5 | 11.7 | 11.0 | 4.7 | 5.8 | 4.0 | 8.6 | 13.0 | 8.0 | 9.9 | 5.8 | | |
| 1 to 50 | 11.8 | 10.9 | 6.6 | 8.7 | 5.3 | 3.3 | 2.2 | 6.1 | 14.5 | 10.5 | 4.0 | 7.8 | | |
| 51 to 100 | 36.8 | 42.3 | 29.0 | 32.3 | 8.0 | 7.5 | 3.9 | 14.3 | 28.7 | 18.8 | 17.6 | 20.6 | | |
| Building Never Closed/ Electricity Not Used | 18.8 | 9.6 | 13.0 | 26.0 | 8.1 | 3.9 | 12.3 | 9.5 | 18.3 | 7.9 | 7.8 | 18.1 | | |
| Heating Equipment (more than one may apply) | | | | | | | | | | | | | | |
| Heat Pumps | 29.2 | 20.5 | 12.2 | 29.6 | 6.5 | 4.6 | 12.8 | 9.5 | 21.2 | 7.7 | 11.4 | 19.0 | | |
| Packaged Heat Pumps | 39.2 | 25.8 | 14.3 | 36.1 | 7.9 | 5.9 | 20.0 | 9.2 | 26.4 | 8.8 | 15.7 | 24.2 | | |
| Split-System Heat Pumps | 26.5 | 31.9 | 16.8 | 29.3 | 9.2 | 4.1 | 44.3 | 13.9 | 18.0 | 8.7 | 16.6 | 18.7 | | |
| Individual Room Heat Pumps | 39.7 | 45.4 | 16.9 | 26.9 | 10.0 | 3.7 | 5.9 | 11.9 | 31.4 | 12.7 | 5.7 | 12.3 | | |
| Furnaces | 16.5 | 9.6 | 11.7 | 16.6 | 3.9 | 2.3 | 3.1 | 7.4 | 12.9 | 8.5 | 8.8 | 11.5 | | |
| Individual Space Heaters | 19.8 | 11.9 | 13.0 | 11.0 | 4.1 | 2.9 | 20.1 | 17.3 | 16.6 | 5.6 | 9.0 | 10.8 | | |
| District Heat | 34.0 | 30.8 | 31.1 | 36.4 | 10.8 | 5.4 | 4.2 | 22.2 | 15.1 | 8.3 | 10.8 | 22.4 | | |
| Boilers | 16.6 | 12.6 | 13.6 | 19.6 | 5.9 | 2.9 | 9.7 | 8.2 | 22.1 | 10.3 | 10.7 | 13.1 | | |
| Packaged Heating Units | 17.7 | 13.3 | 9.6 | 19.1 | 3.1 | 3.1 | 2.5 | 8.3 | 10.4 | 8.9 | 6.3 | 16.1 | | |
| Other | 25.7 | 16.6 | 26.5 | 29.5 | 9.1 | 7.2 | 6.9 | 24.2 | 20.3 | 15.1 | 18.6 | 20.3 | | |
| Cooling Equipment (more than one may apply) | | | | | | | | | | | | | | |
| Residential-Type Central | | | | | | | | | | | | | | |
| Air Conditioners | 19.4 | 9.3 | 20.6 | 19.9 | 3.4 | 3.7 | 20.9 | 6.7 | 34.4 | 8.7 | 14.6 | 13.9 | | |
| Heat Pumps | 29.3 | 20.9 | 14.1 | 27.7 | 5.9 | 4.9 | 11.9 | 9.0 | 21.2 | 7.8 | 10.0 | 17.6 | | |
| Packaged Heat Pumps | 38.8 | 25.8 | 15.0 | 37.7 | 6.6 | 5.7 | 20.0 | 9.5 | 26.3 | 8.7 | 15.9 | 25.8 | | |
| Split-System Heat Pumps | 26.5 | 29.2 | 18.6 | 28.9 | 9.2 | 5.6 | 43.4 | 13.6 | 18.0 | 12.2 | 15.7 | 18.5 | | |
| Individual Room Heat Pumps | 39.7 | 45.4 | 22.9 | 29.5 | 10.0 | 3.7 | 3.4 | 14.3 | 31.4 | 12.7 | 5.1 | 9.0 | | |
| Individual Air Conditioners | 16.2 | 15.0 | 19.5 | 28.4 | 4.3 | 4.1 | 4.0 | 12.7 | 16.4 | 7.4 | 10.2 | 17.8 | | |
| District Chilled Water | 29.0 | 40.8 | 30.9 | 41.0 | 9.4 | 6.8 | 3.6 | 14.6 | 8.5 | 17.5 | 13.0 | 23.8 | | |
| Central Chillers | 22.5 | 15.8 | 13.7 | 27.6 | 11.7 | 3.9 | 8.7 | 8.4 | 12.5 | 9.4 | 4.7 | 12.4 | | |
| Packaged Air Conditioning | | | | | | | | | | | | | | |
| Units | 12.5 | 9.4 | 6.8 | 13.8 | 4.1 | 3.2 | 2.4 | 7.2 | 19.3 | 6.9 | 5.1 | 11.6 | | |
| Swamp Coolers | 100.1 | 101.3 | 45.4 | 10.5 | 0.0 | 0.0 | 10.5 | 12.5 | 0.0 | . | 44.0 | 16.3 | | |
| Other | 47.1 | 28.6 | 40.6 | 40.2 | 9.5 | 17.5 | 14.1 | 15.0 | 18.6 | 18.3 | 32.2 | 24.1 | | |
| Main Equipment Replaced Since 1990 (more than one may apply) | | | | | | | | | | | | | | |
| Heating | 16.3 | 12.3 | 10.2 | 27.4 | 3.7 | 2.6 | 2.5 | 8.1 | 11.9 | 11.1 | 8.9 | 20.7 | | |
| Cooling | 14.3 | 13.9 | 9.1 | 19.7 | 5.1 | 3.0 | 10.5 | 6.0 | 11.6 | 10.6 | 7.7 | 15.9 | | |
| Water Heating Equipment | | | | | | | | | | | | | | |
| Centralized System | 9.3 | 11.0 | 8.1 | 13.6 | 5.7 | 2.9 | 1.5 | 5.4 | 12.6 | 9.9 | 4.8 | 10.5 | | |
| Distributed System | 32.9 | 19.6 | 11.7 | 19.6 | 2.6 | 2.4 | 3.6 | 13.8 | 34.0 | 7.3 | 4.5 | 15.1 | | |
| Combination of Centralized and Distributed System | 19.2 | 16.5 | 14.1 | 25.3 | 5.1 | 3.5 | 12.8 | 8.8 | 10.5 | 10.6 | 9.3 | 14.7 | | |

RSEs for Table C16. Electricity Expenditures by Census Region for Non-Mall Buildings, 2003

| | | | | | RSEs for Electricity Expenditures | | | | | | | | | |
|--|------------|----------|-------|------|---|----------|-------|-------|------------|----------|-------|-------|-----------------|----------|
| | | | | | RSEs for Total Electricity Expenditures | | | | per kWh | | | | per Square Foot | |
| | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west |
| All Buildings* | 8.9 | 9.2 | 5.7 | 11.4 | 4.0 | 3.1 | 2.8 | 5.2 | 11.8 | 7.5 | 4.5 | 8.8 | | |
| Lighting Equipment Types (more than one may apply) | | | | | | | | | | | | | | |
| Incandescent | 13.4 | 9.5 | 7.1 | 16.5 | 5.1 | 2.1 | 4.3 | 6.0 | 17.8 | 7.7 | 5.6 | 13.1 | | |
| Standard Fluorescent | 9.2 | 9.3 | 5.8 | 11.6 | 4.0 | 3.0 | 2.8 | 5.1 | 12.0 | 7.6 | 4.3 | 9.0 | | |
| Compact Fluorescent | 14.7 | 9.7 | 8.5 | 16.5 | 4.9 | 2.6 | 5.0 | 7.3 | 14.8 | 5.8 | 6.4 | 10.7 | | |
| High Intensity Discharge | 16.6 | 12.2 | 10.0 | 16.0 | 6.0 | 4.5 | 7.3 | 10.7 | 11.0 | 6.3 | 8.6 | 12.7 | | |
| Halogen | 17.1 | 10.4 | 10.0 | 18.4 | 5.9 | 2.3 | 7.4 | 8.8 | 14.8 | 4.8 | 8.7 | 10.7 | | |
| Other | 82.5 | 77.7 | 49.7 | 85.9 | 7.3 | 1.8 | 29.1 | 111.6 | 25.2 | 16.6 | 54.1 | 284.3 | | |
| Refrigeration Equipment (more than one may apply)^a | | | | | | | | | | | | | | |
| Any Refrigeration..... | 9.5 | 8.2 | 5.7 | 13.5 | 4.4 | 2.6 | 2.9 | 6.1 | 12.6 | 7.9 | 4.3 | 9.6 | | |
| Commercial Refrigeration | 11.7 | 10.8 | 8.5 | 17.4 | 5.6 | 3.1 | 4.5 | 7.2 | 20.4 | 5.8 | 6.0 | 12.3 | | |
| Walk-In Units | 13.4 | 9.7 | 8.9 | 19.1 | 5.5 | 3.3 | 5.7 | 7.2 | 27.9 | 7.5 | 7.3 | 14.0 | | |
| Cases or Cabinets | 12.4 | 14.4 | 9.8 | 20.0 | 5.0 | 2.9 | 5.7 | 8.4 | 13.3 | 4.8 | 7.2 | 14.5 | | |
| Residential-Type Units | 11.6 | 12.3 | 7.6 | 12.2 | 3.2 | 2.2 | 5.7 | 7.9 | 18.2 | 9.0 | 5.0 | 8.2 | | |
| Vending Machines | 12.8 | 9.6 | 7.1 | 16.6 | 3.8 | 2.5 | 3.6 | 7.8 | 12.7 | 7.0 | 4.3 | 10.1 | | |
| No Refrigeration | 14.0 | 29.8 | 19.5 | 12.6 | 5.7 | 11.2 | 3.4 | 7.2 | 14.0 | 13.5 | 11.4 | 7.8 | | |
| Office Equipment (more than one may apply) | | | | | | | | | | | | | | |
| Computers | 9.6 | 9.2 | 6.1 | 12.4 | 4.3 | 2.8 | 3.0 | 5.4 | 13.1 | 7.1 | 4.1 | 9.4 | | |
| With Flat Screen Monitors | 14.6 | 11.2 | 9.4 | 17.2 | 6.1 | 3.0 | 5.0 | 8.0 | 12.0 | 7.0 | 5.4 | 11.5 | | |
| Dedicated Servers | 12.4 | 10.8 | 7.7 | 14.7 | 4.9 | 2.9 | 4.0 | 6.2 | 11.5 | 6.6 | 4.6 | 10.7 | | |
| Laser Printers | 9.9 | 8.1 | 6.8 | 16.6 | 3.1 | 3.2 | 5.4 | 6.7 | 12.1 | 8.1 | 5.4 | 13.4 | | |
| Inkjet Printers | 14.2 | 10.2 | 9.5 | 13.4 | 6.6 | 2.4 | 5.4 | 6.1 | 9.0 | 6.3 | 5.7 | 6.8 | | |
| FAX Machines | 9.9 | 9.3 | 6.0 | 12.6 | 4.4 | 2.5 | 3.0 | 5.5 | 13.2 | 7.6 | 4.2 | 8.6 | | |
| Photocopiers | 11.2 | 9.7 | 6.5 | 14.6 | 5.1 | 2.8 | 3.5 | 6.1 | 14.3 | 6.3 | 4.2 | 9.9 | | |
| Number of Computers | | | | | | | | | | | | | | |
| None | 26.6 | 17.0 | 17.7 | 16.3 | 9.6 | 10.8 | 3.7 | 17.9 | 31.7 | 10.8 | 10.2 | 22.5 | | |
| 1 to 4 | 18.1 | 17.5 | 11.9 | 14.4 | 6.2 | 6.8 | 2.9 | 8.1 | 32.1 | 12.5 | 12.0 | 12.5 | | |
| 5 to 9 | 23.7 | 12.5 | 9.4 | 20.5 | 4.9 | 4.5 | 3.3 | 9.0 | 17.3 | 7.4 | 7.3 | 16.6 | | |
| 10 to 19 | 23.2 | 19.3 | 17.4 | 14.7 | 15.0 | 4.6 | 7.2 | 7.5 | 21.1 | 10.5 | 15.5 | 12.2 | | |
| 20 to 49 | 19.6 | 17.0 | 13.9 | 27.7 | 4.2 | 4.8 | 5.3 | 13.3 | 13.2 | 10.5 | 5.1 | 24.5 | | |
| 50 to 99 | 27.9 | 18.8 | 15.4 | 10.6 | 6.1 | 4.8 | 3.1 | 7.5 | 54.8 | 8.5 | 6.0 | 12.3 | | |
| 100 to 249 | 28.0 | 14.0 | 12.0 | 23.1 | 4.6 | 4.4 | 4.8 | 10.6 | 13.6 | 10.0 | 5.5 | 9.2 | | |
| 250 or More | 19.2 | 14.4 | 15.9 | 32.8 | 9.5 | 3.8 | 11.6 | 14.4 | 12.8 | 12.6 | 7.2 | 17.7 | | |
| Number of Dedicated Servers | | | | | | | | | | | | | | |
| None | 10.9 | 8.7 | 9.0 | 9.5 | 2.8 | 5.6 | 2.1 | 8.0 | 16.3 | 11.0 | 8.2 | 7.4 | | |
| 1 to 4 | 11.3 | 8.6 | 8.5 | 13.1 | 5.0 | 3.0 | 2.2 | 6.8 | 13.8 | 5.8 | 4.9 | 8.8 | | |
| 5 to 9 | 28.1 | 14.1 | 26.6 | 48.1 | 5.5 | 5.2 | 32.5 | 14.6 | 19.9 | 13.8 | 21.5 | 44.6 | | |
| 10 to 19 | 32.3 | 18.6 | 25.6 | 27.1 | 7.4 | 3.7 | 4.1 | 23.7 | 22.2 | 11.0 | 12.0 | 27.3 | | |
| 20 to 49 | 28.5 | 44.8 | 29.1 | 20.3 | 7.7 | 10.1 | 5.1 | 15.2 | 11.9 | 28.8 | 9.8 | 15.4 | | |
| 50 or More | 32.0 | 40.5 | 35.1 | 52.7 | 9.7 | 5.6 | 7.6 | 15.1 | 15.1 | 11.3 | 10.8 | 26.1 | | |
| Number of Photocopiers | | | | | | | | | | | | | | |
| None | 16.1 | 11.1 | 11.0 | 13.9 | 4.1 | 6.4 | 2.2 | 6.7 | 20.0 | 13.3 | 9.3 | 13.3 | | |
| One | 15.4 | 9.8 | 11.5 | 13.0 | 10.7 | 3.3 | 4.3 | 9.3 | 28.7 | 7.2 | 5.0 | 8.8 | | |
| 2 to 4 | 11.8 | 13.0 | 11.6 | 17.2 | 2.9 | 4.1 | 3.4 | 8.5 | 10.6 | 10.1 | 7.4 | 11.6 | | |
| 5 to 9 | 29.7 | 14.8 | 21.7 | 35.1 | 4.8 | 4.1 | 3.5 | 11.4 | 40.0 | 6.3 | 6.4 | 32.8 | | |
| 10 or More | 19.5 | 17.0 | 16.9 | 29.0 | 10.7 | 3.2 | 13.2 | 13.4 | 12.6 | 10.5 | 8.7 | 14.1 | | |

RSEs for Table C16. Electricity Expenditures by Census Region for Non-Mall Buildings, 2003

| | | | | | RSEs for Electricity Expenditures | | | | | | | | | |
|--|------------|----------|-------|------|---|----------|-------|------|------------|----------|-------|------|-----------------|----------|
| | | | | | RSEs for Total Electricity Expenditures | | | | per kWh | | | | per Square Foot | |
| | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west |
| All Buildings* | 8.9 | 9.2 | 5.7 | 11.4 | 4.0 | 3.1 | 2.8 | 5.2 | 11.8 | 7.5 | 4.5 | 8.8 | | |
| Energy-Related Space Functions (more than one may apply) | | | | | | | | | | | | | | |
| Commercial Food Preparation | 12.3 | 10.5 | 9.8 | 22.1 | 5.6 | 3.3 | 5.8 | 8.4 | 28.4 | 6.5 | 5.4 | 15.9 | | |
| Activities with Large Amounts of Hot Water | 18.0 | 10.0 | 11.0 | 20.6 | 6.1 | 2.4 | 7.5 | 9.0 | 30.7 | 5.0 | 5.9 | 17.0 | | |
| Separate Computer Area | 12.8 | 13.5 | 9.3 | 17.5 | 6.6 | 2.8 | 5.7 | 8.2 | 14.4 | 7.5 | 5.4 | 11.0 | | |
| HVAC Conservation Features (more than one may apply) | | | | | | | | | | | | | | |
| Variable Air-Volume System | 20.3 | 11.1 | 10.7 | 22.1 | 7.6 | 2.9 | 7.0 | 9.7 | 12.5 | 6.2 | 4.9 | 14.0 | | |
| Economizer Cycle | 16.5 | 10.2 | 9.5 | 16.2 | 5.0 | 2.8 | 6.4 | 9.1 | 7.5 | 6.5 | 4.9 | 11.2 | | |
| HVAC Maintenance | 9.5 | 9.9 | 6.5 | 12.4 | 4.2 | 3.3 | 3.0 | 5.4 | 13.7 | 7.0 | 4.9 | 10.0 | | |
| Energy Management and Control System (EMCS) | 18.5 | 12.7 | 11.6 | 22.3 | 6.8 | 2.6 | 8.4 | 8.5 | 10.7 | 5.3 | 4.7 | 13.9 | | |
| Window and Interior Lighting Features (more than one may apply) | | | | | | | | | | | | | | |
| Multipaned Windows | 10.2 | 10.5 | 6.2 | 14.7 | 2.7 | 2.7 | 2.2 | 6.0 | 15.5 | 7.4 | 4.1 | 10.9 | | |
| Tinted Window Glass | 14.4 | 11.7 | 8.0 | 13.4 | 3.3 | 3.6 | 5.1 | 6.0 | 9.3 | 10.1 | 5.3 | 8.9 | | |
| Reflective Window Glass | 26.2 | 16.6 | 11.2 | 11.8 | 6.6 | 3.7 | 18.2 | 10.2 | 18.3 | 11.1 | 11.0 | 11.6 | | |
| External Overhangs or Awnings | 14.6 | 14.9 | 13.1 | 18.6 | 3.7 | 3.0 | 4.3 | 9.1 | 25.0 | 8.1 | 5.8 | 14.6 | | |
| Skylights or Atriums | 16.2 | 12.8 | 13.3 | 24.1 | 7.0 | 4.6 | 4.0 | 8.1 | 22.0 | 8.6 | 5.8 | 14.1 | | |
| Daylighting Sensors | 39.0 | 23.7 | 21.6 | 40.7 | 16.5 | 2.2 | 7.6 | 15.6 | 22.4 | 15.7 | 12.0 | 31.6 | | |
| Specular Reflectors | 16.7 | 11.6 | 10.1 | 17.2 | 5.9 | 3.9 | 6.5 | 8.8 | 14.0 | 6.0 | 7.8 | 9.8 | | |
| Electronic Ballasts | 12.3 | 9.6 | 6.9 | 13.4 | 5.1 | 3.1 | 3.3 | 5.5 | 11.7 | 5.2 | 5.0 | 9.5 | | |
| Energy Management and Control System (EMCS) For Lighting | 24.8 | 18.8 | 22.3 | 31.4 | 5.3 | 5.4 | 6.5 | 12.7 | 7.9 | 11.5 | 9.1 | 15.7 | | |
| Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^a | | | | | | | | | | | | | | |
| Heating | 10.5 | 9.5 | 6.2 | 13.0 | 4.7 | 2.0 | 3.9 | 5.8 | 14.7 | 9.2 | 3.2 | 10.9 | | |
| Cooling | 10.4 | 11.0 | 7.0 | 12.8 | 4.3 | 2.3 | 3.6 | 6.1 | 14.4 | 7.7 | 3.7 | 9.8 | | |
| Lighting | 9.0 | 10.0 | 6.1 | 6.6 | 4.2 | 3.9 | 1.9 | 5.8 | 11.3 | 7.1 | 4.3 | 5.1 | | |
| Office Equipment | 14.2 | 15.4 | 12.6 | 12.2 | 4.9 | 6.3 | 2.4 | 8.5 | 16.3 | 13.8 | 7.5 | 7.4 | | |
| Annual Consumption (kilowatthours) | | | | | | | | | | | | | | |
| 10,000 or Less | 23.8 | 14.9 | 24.3 | 20.0 | 9.6 | 5.7 | 5.9 | 9.7 | 21.2 | 24.2 | 11.6 | 17.3 | | |
| 10,001 to 50,000 | 19.6 | 13.3 | 12.6 | 9.3 | 5.1 | 3.6 | 3.2 | 9.7 | 15.5 | 10.0 | 6.0 | 14.9 | | |
| 50,001 to 100,000 | 20.8 | 15.2 | 9.4 | 14.4 | 6.5 | 4.4 | 3.2 | 9.8 | 22.1 | 13.5 | 8.5 | 9.9 | | |
| 100,001 to 500,000 | 14.5 | 9.4 | 6.7 | 12.6 | 3.4 | 2.8 | 2.3 | 3.1 | 25.5 | 8.9 | 8.8 | 8.7 | | |
| 500,001 to 1,000,000 | 19.6 | 16.1 | 11.6 | 28.7 | 6.0 | 4.4 | 4.0 | 12.7 | 13.9 | 9.3 | 7.6 | 16.9 | | |
| 1,000,001 to 5,000,000 | 17.3 | 17.2 | 12.0 | 14.2 | 5.4 | 4.3 | 2.9 | 9.6 | 10.8 | 6.1 | 6.8 | 15.2 | | |
| Over 5,000,000 | 22.4 | 11.2 | 18.4 | 36.3 | 11.1 | 4.7 | 12.8 | 15.0 | 14.4 | 14.0 | 9.1 | 18.6 | | |

RSEs for Table C16. Electricity Expenditures by Census Region for Non-Mall Buildings, 2003

| | RSEs for Total Electricity Expenditures | | | | RSEs for Electricity Expenditures | | | | | | | |
|--|---|----------|-------|------|-----------------------------------|----------|-------|------|-----------------|----------|-------|------|
| | | | | | per kWh | | | | per Square Foot | | | |
| | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west | South | West |
| All Buildings* | 8.9 | 9.2 | 5.7 | 11.4 | 4.0 | 3.1 | 2.8 | 5.2 | 11.8 | 7.5 | 4.5 | 8.8 |
| Provider of Purchased Electricity (more than one may apply) | | | | | | | | | | | | |
| Local Utility | 9.5 | 9.7 | 6.0 | 11.4 | 3.9 | 3.1 | 1.9 | 4.9 | 12.6 | 8.1 | 4.4 | 8.4 |
| Some Other Provider | 23.6 | 24.4 | 20.1 | 53.7 | 8.8 | 4.9 | 32.8 | 23.9 | 12.4 | 13.9 | 14.5 | 51.4 |

X=No cases in the responding sample reported their consumption for the particular fuel, so relative standard error could not be calculated.

RSEs for Table C17. Electricity Consumption and Conditional Energy Intensity by Census Division for Non-Mall Buildings, 2003: Part 1

| | RSEs for Total Electricity Consumption | | | RSEs for Total Floorspace of Buildings Using Electricity | | | RSEs for Electricity Energy Intensity | | |
|--|--|-----------------|--------------------|--|-----------------|--------------------|---------------------------------------|-----------------|--------------------|
| | New England | Middle Atlantic | East North Central | New England | Middle Atlantic | East North Central | New England | Middle Atlantic | East North Central |
| All Buildings* | 26.4 | 10.5 | 15.0 | 20.8 | 10.6 | 13.7 | 20.7 | 12.4 | 9.4 |
| Building Floorspace (Square Feet) | | | | | | | | | |
| 1,001 to 5,000 | 10.5 | 16.2 | 15.3 | 26.6 | 17.9 | 11.7 | 18.1 | 13.3 | 10.5 |
| 5,001 to 10,000 | 28.5 | 18.1 | 34.2 | 22.2 | 13.4 | 30.4 | 32.4 | 16.7 | 22.4 |
| 10,001 to 25,000 | 51.5 | 25.6 | 20.4 | 47.3 | 15.0 | 19.6 | 50.4 | 29.2 | 14.8 |
| 25,001 to 50,000 | 43.5 | 23.8 | 21.7 | 31.9 | 13.8 | 11.1 | 38.2 | 19.5 | 19.7 |
| 50,001 to 100,000 | 39.9 | 20.9 | 28.5 | 29.7 | 15.4 | 24.4 | 39.6 | 16.5 | 22.0 |
| 100,001 to 200,000 | 62.5 | 24.0 | 29.3 | 28.0 | 34.8 | 24.6 | 51.0 | 47.6 | 9.4 |
| 200,001 to 500,000 | 59.8 | 22.6 | 25.3 | 74.9 | 31.9 | 36.1 | 71.8 | 37.8 | 10.7 |
| Over 500,000 | 60.7 | 17.0 | 17.0 | 60.1 | 16.7 | 25.0 | 17.6 | 9.5 | 18.4 |
| Principal Building Activity | | | | | | | | | |
| Education | 36.7 | 19.9 | 17.6 | 40.5 | 21.9 | 14.5 | 7.9 | 11.5 | 14.3 |
| Food Sales | 34.6 | 28.0 | 28.0 | 35.4 | 15.7 | 32.5 | 19.9 | 16.7 | 19.5 |
| Food Service | 60.6 | 31.0 | 39.1 | 61.8 | 43.2 | 33.7 | 5.7 | 26.2 | 21.0 |
| Health Care | 40.7 | 17.2 | 18.6 | 52.8 | 11.0 | 16.7 | 22.5 | 16.4 | 7.0 |
| Inpatient | 49.8 | 25.5 | 14.2 | 73.9 | 20.0 | 11.7 | 22.8 | 13.0 | 11.2 |
| Outpatient | 69.0 | 30.1 | 42.6 | 56.5 | 31.0 | 34.1 | 23.9 | 16.0 | 12.8 |
| Lodging | 49.3 | 26.0 | 23.1 | 43.0 | 53.7 | 26.7 | 15.1 | 119.4 | 8.8 |
| Retail (Other Than Mall)..... | 38.5 | 28.2 | 26.8 | 21.3 | 16.6 | 30.3 | 29.7 | 17.7 | 15.6 |
| Office | 37.2 | 14.8 | 18.6 | 25.6 | 15.1 | 14.4 | 21.2 | 3.4 | 9.4 |
| Public Assembly | 46.5 | 35.8 | 30.6 | 28.4 | 39.7 | 34.4 | 49.7 | 105.0 | 16.4 |
| Public Order and Safety | 66.7 | 47.6 | 57.1 | 63.6 | 44.7 | 56.2 | 35.7 | 29.0 | 8.4 |
| Religious Worship | 69.4 | 23.5 | 18.8 | 72.1 | 19.6 | 29.9 | 13.6 | 18.4 | 11.6 |
| Service | 71.1 | 23.1 | 29.0 | 74.1 | 22.1 | 31.3 | 13.1 | 15.0 | 22.1 |
| Warehouse and Storage | 37.2 | 26.0 | 49.8 | 65.3 | 25.2 | 35.1 | 22.0 | 29.1 | 18.5 |
| Other | 56.3 | 54.8 | 41.6 | 48.9 | 32.9 | 29.2 | 20.4 | 27.3 | 20.7 |
| Vacant | 84.7 | 61.1 | 47.4 | 88.5 | 49.1 | 53.2 | 6.7 | 18.2 | 47.8 |
| Year Constructed | | | | | | | | | |
| Before 1920 | 33.7 | 49.6 | 17.0 | 31.4 | 28.8 | 18.9 | 8.2 | 53.8 | 13.7 |
| 1920 to 1945 | 29.5 | 26.6 | 54.2 | 23.9 | 29.4 | 37.4 | 25.2 | 28.9 | 18.7 |
| 1946 to 1959 | 30.9 | 31.2 | 15.9 | 52.6 | 26.6 | 15.6 | 46.1 | 35.6 | 6.2 |
| 1960 to 1969 | 52.8 | 20.7 | 20.7 | 53.8 | 26.5 | 17.0 | 31.1 | 12.6 | 19.4 |
| 1970 to 1979 | 28.2 | 20.6 | 27.1 | 25.1 | 18.8 | 23.3 | 21.9 | 17.9 | 19.7 |
| 1980 to 1989 | 53.5 | 20.5 | 19.3 | 31.0 | 23.9 | 14.6 | 41.5 | 18.1 | 9.4 |
| 1990 to 1999 | 64.0 | 23.3 | 23.9 | 41.1 | 19.6 | 25.5 | 59.7 | 12.7 | 13.4 |
| 2000 to 2003 | 47.8 | 55.2 | 33.6 | 46.3 | 43.4 | 27.0 | 20.7 | 13.2 | 21.2 |
| Climate Zone: 30-Year Average | | | | | | | | | |
| Under 2,000 CDD and -- | | | | | | | | | |
| More than 7,000 HDD | 31.6 | 61.0 | 12.4 | 55.2 | 47.0 | 11.5 | 15.3 | 22.7 | 14.4 |
| 5,500-7,000 HDD | 31.8 | 26.3 | 19.5 | 16.7 | 23.6 | 19.0 | 21.1 | 9.0 | 11.7 |
| 4,000-5,499 HDD | 0.0 | 28.0 | 0.0 | 0.0 | 21.6 | 0.0 | 0.0 | 22.4 | 0.0 |
| Fewer than 4,000 HDD | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2,000 CDD or More and -- | | | | | | | | | |
| Fewer than 4,000 HDD | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Number of Floors | | | | | | | | | |
| One | 27.0 | 12.6 | 28.5 | 28.0 | 16.6 | 23.5 | 26.4 | 14.5 | 9.3 |
| Two | 30.2 | 15.2 | 24.9 | 31.3 | 19.6 | 18.9 | 20.4 | 18.5 | 19.2 |
| Three | 30.7 | 40.1 | 25.0 | 30.7 | 16.9 | 12.0 | 38.7 | 36.7 | 19.8 |
| Four to Nine | 44.1 | 15.6 | 16.9 | 26.1 | 32.1 | 11.0 | 29.1 | 36.7 | 13.0 |
| Ten or More | 53.3 | 16.5 | 16.4 | 53.4 | 15.5 | 23.1 | 7.5 | 8.7 | 12.6 |

RSEs for Table C17. Electricity Consumption and Conditional Energy Intensity by Census Division for Non-Mall Buildings, 2003: Part 1

| | RSEs for Total Electricity Consumption | | | RSEs for Total Floorspace of Buildings Using Electricity | | | RSEs for Electricity Energy Intensity | | |
|---|--|-----------------|--------------------|--|-----------------|--------------------|---------------------------------------|-----------------|--------------------|
| | New England | Middle Atlantic | East North Central | New England | Middle Atlantic | East North Central | New England | Middle Atlantic | East North Central |
| All Buildings* | 26.4 | 10.5 | 15.0 | 20.8 | 10.6 | 13.7 | 20.7 | 12.4 | 9.4 |
| Elevators and Escalators (more than one may apply) | | | | | | | | | |
| Any Elevators | 35.1 | 14.7 | 12.7 | 20.2 | 12.1 | 9.2 | 22.4 | 13.0 | 8.9 |
| Number of Elevators | | | | | | | | | |
| One | 50.2 | 29.8 | 21.2 | 38.1 | 23.6 | 16.4 | 38.9 | 21.4 | 9.8 |
| Two to Five | 52.6 | 24.7 | 18.9 | 36.6 | 19.7 | 13.9 | 34.4 | 26.4 | 13.3 |
| Six or More | 48.5 | 16.5 | 15.8 | 48.0 | 17.1 | 17.6 | 19.1 | 5.9 | 15.1 |
| Any Escalators | 100.1 | 40.3 | 50.3 | 100.1 | 39.1 | 52.8 | 0.0 | 23.5 | 12.2 |
| Number of Workers (main shift) | | | | | | | | | |
| Fewer than 5 | 30.2 | 18.0 | 41.5 | 22.9 | 24.6 | 32.9 | 33.2 | 19.8 | 17.2 |
| 5 to 9 | 49.3 | 24.3 | 26.4 | 48.7 | 24.7 | 27.2 | 17.8 | 24.8 | 17.3 |
| 10 to 19 | 27.0 | 30.1 | 27.0 | 34.1 | 37.7 | 12.9 | 36.2 | 53.8 | 19.8 |
| 20 to 49 | 8.6 | 30.8 | 21.4 | 23.2 | 30.6 | 18.0 | 18.6 | 44.2 | 15.5 |
| 50 to 99 | 56.0 | 39.7 | 16.9 | 45.1 | 18.8 | 15.6 | 36.9 | 31.1 | 8.3 |
| 100 to 249 | 42.5 | 26.0 | 23.5 | 30.0 | 20.2 | 18.6 | 24.8 | 15.0 | 15.7 |
| 250 or More | 40.1 | 14.5 | 11.4 | 30.6 | 15.9 | 19.7 | 31.8 | 3.6 | 14.4 |
| Weekly Operating Hours | | | | | | | | | |
| Fewer than 40 | 35.1 | 35.5 | 17.8 | 40.4 | 29.0 | 37.1 | 38.2 | 17.9 | 21.4 |
| 40 to 48 | 46.9 | 12.1 | 32.4 | 35.7 | 24.4 | 13.7 | 25.7 | 32.7 | 23.9 |
| 49 to 60 | 37.6 | 16.3 | 40.1 | 29.1 | 14.2 | 29.0 | 25.1 | 9.4 | 14.1 |
| 61 to 84 | 20.7 | 22.5 | 24.7 | 14.7 | 15.7 | 19.5 | 7.5 | 14.0 | 13.2 |
| 85 to 167 | 8.3 | 21.4 | 18.2 | 53.1 | 23.8 | 10.5 | 38.9 | 14.8 | 12.3 |
| Open Continuously | 42.3 | 17.1 | 12.8 | 33.6 | 15.3 | 12.2 | 20.3 | 17.5 | 9.9 |
| Ownership and Occupancy | | | | | | | | | |
| Nongovernment Owned | 30.6 | 11.1 | 13.3 | 22.8 | 10.9 | 12.2 | 25.0 | 13.8 | 12.5 |
| Owner Occupied | 31.9 | 13.8 | 18.6 | 25.3 | 10.8 | 11.2 | 23.5 | 15.9 | 12.3 |
| Nonowner Occupied | 40.4 | 17.1 | 17.9 | 25.3 | 15.5 | 18.6 | 27.5 | 17.4 | 9.9 |
| Unoccupied | 99.1 | 92.9 | 56.4 | 99.1 | 89.5 | 55.4 | 0.0 | 4.1 | 57.1 |
| Government Owned | 26.5 | 18.1 | 28.2 | 16.6 | 19.7 | 20.5 | 20.6 | 10.2 | 10.3 |
| Federal | 59.0 | 53.9 | 59.8 | 50.8 | 54.0 | 63.8 | 32.2 | 74.1 | 4.1 |
| State | 43.0 | 41.0 | 44.8 | 13.3 | 35.0 | 40.0 | 36.2 | 22.0 | 18.4 |
| Local | 16.0 | 29.8 | 20.1 | 18.0 | 25.1 | 14.3 | 14.1 | 16.4 | 14.4 |
| Vacancy Status | | | | | | | | | |
| Completely Vacant | 99.1 | 77.4 | 56.4 | 99.1 | 63.8 | 55.4 | 0.0 | 36.1 | 57.1 |
| Mostly Vacant | 82.9 | 96.0 | 90.7 | 86.3 | 86.1 | 95.4 | 6.6 | 73.3 | 5.5 |
| Partially Vacant | 36.5 | 14.9 | 14.6 | 22.2 | 15.3 | 15.9 | 19.4 | 7.4 | 12.8 |
| Not At All Vacant | 26.7 | 11.3 | 19.3 | 18.7 | 14.4 | 13.4 | 22.7 | 18.0 | 10.0 |
| Number of Establishments | | | | | | | | | |
| One | 25.9 | 12.8 | 16.6 | 25.3 | 17.8 | 16.4 | 23.0 | 22.4 | 8.6 |
| 2 to 5 | 35.7 | 21.7 | 23.4 | 20.0 | 17.1 | 13.1 | 26.4 | 19.0 | 14.1 |
| 6 to 10 | 72.1 | 35.8 | 23.0 | 47.1 | 30.1 | 19.4 | 50.1 | 20.1 | 19.5 |
| 11 to 20 | 59.1 | 30.6 | 27.1 | 45.0 | 36.2 | 28.1 | 38.2 | 13.4 | 7.0 |
| More than 20 | 21.2 | 21.4 | 52.2 | 37.4 | 21.1 | 50.2 | 87.9 | 8.3 | 27.0 |
| Currently Unoccupied | 99.1 | 77.4 | 56.4 | 99.1 | 63.8 | 55.4 | 0.0 | 36.1 | 57.1 |

RSEs for Table C17. Electricity Consumption and Conditional Energy Intensity by Census Division for Non-Mall Buildings, 2003: Part 1

| | RSEs for Total Electricity Consumption | | | RSEs for Total Floorspace of Buildings Using Electricity | | | RSEs for Electricity Energy Intensity | | |
|---|--|-----------------|--------------------|--|-----------------|--------------------|---------------------------------------|-----------------|--------------------|
| | New England | Middle Atlantic | East North Central | New England | Middle Atlantic | East North Central | New England | Middle Atlantic | East North Central |
| All Buildings* | 26.4 | 10.5 | 15.0 | 20.8 | 10.6 | 13.7 | 20.7 | 12.4 | 9.4 |
| Predominant Exterior Wall Material | | | | | | | | | |
| Brick, Stone or Stucco | 38.6 | 16.1 | 20.3 | 23.6 | 15.8 | 13.9 | 21.4 | 18.8 | 9.2 |
| Concrete (Block or Poured) | 52.4 | 16.5 | 25.3 | 24.4 | 15.9 | 25.6 | 42.3 | 16.5 | 21.4 |
| Concrete Panels | 70.8 | 23.6 | 16.4 | 70.9 | 17.5 | 20.4 | 16.2 | 17.8 | 19.3 |
| Siding or Shingles | 32.0 | 32.1 | 25.4 | 30.8 | 21.9 | 37.6 | 41.7 | 33.5 | 20.8 |
| Metal Panels | 69.1 | 40.2 | 44.5 | 49.4 | 30.0 | 23.2 | 45.8 | 13.1 | 32.0 |
| Window Glass | 97.8 | 57.2 | 68.8 | 97.8 | 58.9 | 60.6 | 0.1 | 29.9 | 36.4 |
| Other | 95.3 | 48.2 | 51.6 | 96.8 | 42.0 | 49.3 | 38.5 | 37.6 | 9.1 |
| No One Major Type | X | 71.7 | 62.1 | X | 73.1 | 27.0 | X | 15.6 | 39.1 |
| Predominant Roof Material | | | | | | | | | |
| Built-Up | 31.2 | 14.0 | 11.4 | 20.6 | 10.7 | 10.8 | 22.9 | 10.6 | 15.6 |
| Shingles (Not Wood) | 32.2 | 35.3 | 11.8 | 12.8 | 15.8 | 9.6 | 31.8 | 27.8 | 10.4 |
| Metal Surfacing | 57.5 | 28.4 | 34.9 | 71.9 | 39.1 | 25.3 | 23.1 | 23.9 | 20.0 |
| Synthetic or Rubber | 38.4 | 16.6 | 18.7 | 25.4 | 13.2 | 18.4 | 23.0 | 9.8 | 10.8 |
| Slate or Tile | 84.2 | 28.3 | 32.1 | 74.8 | 22.8 | 25.9 | 177.2 | 36.8 | 29.6 |
| Wooden Materials | 100.1 | 81.8 | 81.9 | 100.2 | 71.9 | 95.5 | 1.4 | 15.1 | 14.5 |
| Concrete | X | 79.8 | 83.6 | X | 98.8 | 82.5 | X | 1678.5 | 1.1 |
| Other | 100.1 | 100.1 | 48.9 | 100.1 | 100.1 | 33.4 | 0.0 | 0.1 | 28.4 |
| No One Major Type | 62.6 | 70.7 | 58.6 | 71.2 | 61.4 | 60.1 | 48.1 | 72.3 | 29.8 |
| Renovations in Buildings Constructed Before 1980 (more than one may apply) | | | | | | | | | |
| Any Type of Renovation | 24.7 | 13.9 | 17.8 | 24.5 | 11.6 | 12.2 | 24.6 | 11.3 | 12.5 |
| Since 1980 | 45.4 | 23.7 | 23.8 | 79.8 | 29.2 | 16.9 | 27.2 | 38.1 | 14.3 |
| Addition or Annex | 90.4 | 41.8 | 48.8 | 78.5 | 39.7 | 43.0 | 62.9 | 22.9 | 28.6 |
| Reduction In Floorspace | 24.7 | 14.8 | 19.3 | 23.3 | 13.9 | 14.1 | 24.0 | 12.7 | 11.8 |
| Cosmetic Improvements | 44.1 | 20.4 | 21.4 | 28.2 | 18.1 | 17.2 | 39.9 | 22.9 | 13.1 |
| Wall or Roof Replacement | 39.0 | 15.4 | 20.5 | 26.6 | 13.0 | 17.8 | 34.7 | 19.9 | 9.8 |
| Interior Wall | | | | | | | | | |
| Re-Configuration | 34.5 | 15.6 | 17.8 | 20.6 | 13.1 | 15.6 | 27.9 | 10.0 | 13.6 |
| HVAC Equipment Upgrade | 29.4 | 15.7 | 18.2 | 22.5 | 13.1 | 14.5 | 27.2 | 15.7 | 12.1 |
| Lighting Upgrade | 40.9 | 20.2 | 24.2 | 23.7 | 15.3 | 16.9 | 36.2 | 23.6 | 18.4 |
| Window Replacement | 35.7 | 20.1 | 20.2 | 26.6 | 16.8 | 21.2 | 26.3 | 22.6 | 7.4 |
| Plumbing System Upgrade | 65.2 | 19.6 | 22.3 | 46.3 | 29.4 | 21.3 | 50.5 | 18.2 | 20.8 |
| Insulation Upgrade | 70.7 | 44.4 | 48.8 | 71.1 | 48.7 | 44.3 | 9.1 | 59.8 | 18.4 |
| Other Renovation | 23.1 | 12.2 | 28.1 | 21.6 | 17.7 | 22.5 | 14.4 | 21.0 | 12.8 |
| No Renovations Since 1980 | 50.6 | 19.8 | 14.0 | 31.4 | 18.1 | 16.1 | 33.5 | 11.8 | 11.4 |
| Energy Sources (more than one may apply) | | | | | | | | | |
| Electricity | 26.4 | 10.5 | 15.0 | 20.8 | 10.6 | 13.7 | 20.7 | 12.4 | 9.4 |
| Natural Gas | 33.4 | 12.2 | 11.5 | 19.7 | 11.1 | 9.9 | 27.2 | 14.3 | 9.1 |
| Fuel Oil | 41.0 | 26.9 | 15.3 | 30.5 | 22.4 | 10.7 | 22.8 | 13.7 | 8.4 |
| District Heat | 38.2 | 30.6 | 40.0 | 34.9 | 25.2 | 39.7 | 23.5 | 7.1 | 9.7 |
| District Chilled Water | 58.6 | 32.8 | 44.8 | 59.0 | 30.9 | 42.7 | 13.2 | 12.7 | 21.9 |
| Propane | 25.6 | 45.1 | 58.2 | 42.2 | 36.7 | 63.3 | 13.9 | 29.6 | 14.3 |
| Other | 32.7 | 55.8 | 52.3 | 55.3 | 46.9 | 32.7 | 19.5 | 17.7 | 42.6 |

RSEs for Table C17. Electricity Consumption and Conditional Energy Intensity by Census Division for Non-Mall Buildings, 2003: Part 1

| | RSEs for Total Electricity Consumption | | | RSEs for Total Floorspace of Buildings Using Electricity | | | RSEs for Electricity Energy Intensity | | |
|--|--|-----------------|--------------------|--|-----------------|--------------------|---------------------------------------|-----------------|--------------------|
| | New England | Middle Atlantic | East North Central | New England | Middle Atlantic | East North Central | New England | Middle Atlantic | East North Central |
| All Buildings* | 26.4 | 10.5 | 15.0 | 20.8 | 10.6 | 13.7 | 20.7 | 12.4 | 9.4 |
| Space-Heating Energy Sources | | | | | | | | | |
| Electricity | 43.6 | 14.9 | 19.0 | 20.8 | 16.0 | 13.9 | 30.6 | 6.0 | 10.9 |
| Electricity Main | 38.3 | 25.6 | 23.2 | 47.2 | 23.4 | 17.0 | 38.4 | 10.1 | 13.9 |
| Electricity Secondary | 52.4 | 22.5 | 19.1 | 26.5 | 20.4 | 14.9 | 39.7 | 11.2 | 9.6 |
| Other Excluding Electricity | 33.9 | 11.9 | 14.8 | 28.5 | 17.5 | 14.5 | 21.0 | 18.9 | 10.1 |
| Buildings without Heating | 73.7 | 30.5 | 71.3 | 62.0 | 45.2 | 39.8 | 86.1 | 75.3 | 44.0 |
| Primary Space-Heating Energy Source | | | | | | | | | |
| Electricity | 38.3 | 25.6 | 23.2 | 47.2 | 23.4 | 17.0 | 38.4 | 10.1 | 13.9 |
| Natural Gas | 46.7 | 13.1 | 11.8 | 15.4 | 9.1 | 11.2 | 41.5 | 8.2 | 11.0 |
| Fuel Oil | 26.2 | 37.1 | 26.2 | 20.8 | 48.8 | 21.3 | 13.9 | 62.3 | 27.2 |
| District Heat | 42.3 | 34.5 | 40.7 | 37.2 | 28.3 | 42.4 | 22.0 | 7.8 | 3.3 |
| Propane | 56.6 | 70.4 | 63.9 | 76.4 | 69.8 | 63.5 | 11.7 | 12.8 | 6.1 |
| Other | 98.3 | 86.3 | 98.9 | 98.1 | 62.4 | 98.9 | 2.6 | 19.0 | 0.0 |
| Cooling Energy Sources | | | | | | | | | |
| Electricity | 28.0 | 12.9 | 14.2 | 16.3 | 11.9 | 12.0 | 21.2 | 13.6 | 8.7 |
| Other Excluding Electricity | 60.6 | 20.6 | 48.1 | 75.8 | 20.0 | 45.7 | 78.2 | 3.7 | 31.0 |
| Buildings without Cooling | 22.0 | 40.8 | 70.6 | 33.9 | 36.1 | 48.2 | 36.6 | 27.7 | 26.6 |
| Water-Heating Energy Sources | | | | | | | | | |
| Electricity | 28.2 | 19.2 | 17.5 | 20.5 | 11.4 | 18.5 | 22.2 | 15.0 | 15.0 |
| Other Excluding Electricity | 33.3 | 8.1 | 12.3 | 20.9 | 12.5 | 9.0 | 20.2 | 14.7 | 9.7 |
| Bldgs without Water Heating | 24.5 | 29.7 | 73.2 | 75.8 | 41.1 | 50.1 | 52.2 | 22.5 | 16.7 |
| Cooking Energy Sources | | | | | | | | | |
| Electricity | 25.1 | 21.1 | 22.1 | 26.1 | 22.8 | 17.7 | 21.0 | 14.0 | 11.5 |
| Other Excluding Electricity | 20.8 | 42.7 | 18.5 | 36.5 | 47.6 | 18.4 | 30.9 | 77.8 | 12.9 |
| Buildings without Cooking | 32.2 | 13.4 | 15.3 | 22.1 | 8.9 | 15.5 | 24.8 | 9.9 | 11.1 |
| Energy End Uses (more than one may apply) | | | | | | | | | |
| Buildings with Space Heating | 27.0 | 10.5 | 14.9 | 18.2 | 10.5 | 13.7 | 20.6 | 12.6 | 9.2 |
| Buildings with Cooling | 28.7 | 11.2 | 13.0 | 17.1 | 11.1 | 10.9 | 19.7 | 12.4 | 8.6 |
| Buildings with Water Heating | 27.1 | 10.6 | 12.4 | 18.3 | 10.5 | 10.5 | 19.5 | 13.1 | 10.8 |
| Buildings with Cooking | 19.6 | 18.5 | 16.9 | 24.1 | 28.5 | 14.0 | 18.5 | 34.7 | 9.7 |
| Buildings with Manufacturing | 83.8 | 37.3 | 44.7 | 46.2 | 28.1 | 30.6 | 82.7 | 28.1 | 38.4 |
| Buildings with Electricity Generation | 39.6 | 14.8 | 15.3 | 25.6 | 13.9 | 13.9 | 23.6 | 12.0 | 9.6 |
| Percent of Floorspace Heated | | | | | | | | | |
| Not Heated | 73.7 | 30.5 | 71.3 | 62.0 | 45.2 | 39.8 | 86.1 | 75.3 | 44.0 |
| 1 to 50 | 60.5 | 36.7 | 60.7 | 44.5 | 37.9 | 36.2 | 51.6 | 15.6 | 35.5 |
| 51 to 99 | 25.7 | 24.5 | 19.7 | 33.3 | 17.0 | 24.3 | 14.9 | 13.5 | 22.8 |
| 100 | 26.5 | 12.2 | 16.4 | 15.2 | 17.0 | 14.3 | 22.6 | 18.7 | 9.4 |
| Percent of Floorspace Cooled | | | | | | | | | |
| Not Cooled | 22.0 | 40.8 | 70.6 | 33.9 | 36.1 | 48.2 | 36.6 | 27.7 | 26.6 |
| 1 to 50 | 17.5 | 10.5 | 20.7 | 22.4 | 15.7 | 14.9 | 26.7 | 12.7 | 13.7 |
| 51 to 99 | 39.5 | 14.9 | 17.2 | 28.0 | 19.8 | 17.4 | 18.3 | 19.3 | 12.5 |
| 100 | 39.7 | 16.0 | 16.9 | 33.9 | 11.5 | 14.6 | 16.7 | 7.9 | 7.6 |

RSEs for Table C17. Electricity Consumption and Conditional Energy Intensity by Census Division for Non-Mall Buildings, 2003: Part 1

| | RSEs for Total Electricity Consumption | | | RSEs for Total Floorspace of Buildings Using Electricity | | | RSEs for Electricity Energy Intensity | | |
|---|--|-----------------|--------------------|--|-----------------|--------------------|---------------------------------------|-----------------|--------------------|
| | New England | Middle Atlantic | East North Central | New England | Middle Atlantic | East North Central | New England | Middle Atlantic | East North Central |
| All Buildings* | 26.4 | 10.5 | 15.0 | 20.8 | 10.6 | 13.7 | 20.7 | 12.4 | 9.4 |
| Percent Lit When Open | | | | | | | | | |
| Zero | 100.5 | 77.8 | X | 100.5 | 71.4 | X | 0.0 | 43.4 | X |
| 1 to 50 | 39.8 | 23.8 | 12.2 | 38.7 | 18.4 | 16.7 | 22.0 | 28.8 | 12.9 |
| 51 to 99 | 19.1 | 16.7 | 18.6 | 21.1 | 11.2 | 16.5 | 16.5 | 13.7 | 12.6 |
| 100 | 37.0 | 15.8 | 17.7 | 23.6 | 13.9 | 15.7 | 18.1 | 16.4 | 8.2 |
| Building Never Open/ Electricity Not Used | 99.1 | 73.1 | 39.1 | 99.1 | 59.7 | 53.4 | 0.0 | 33.0 | 46.4 |
| Percent Lit When Closed | | | | | | | | | |
| Zero | 19.2 | 17.5 | 21.0 | 34.8 | 15.6 | 22.8 | 25.1 | 12.7 | 7.6 |
| 1 to 50 | 30.7 | 17.1 | 16.9 | 20.4 | 13.1 | 11.8 | 22.4 | 18.2 | 12.6 |
| 51 to 100 | 74.7 | 50.4 | 59.9 | 42.6 | 31.7 | 40.9 | 29.5 | 45.8 | 28.3 |
| Building Never Closed/ Electricity Not Used | 42.3 | 17.1 | 12.8 | 33.6 | 15.3 | 12.2 | 20.3 | 17.5 | 9.9 |
| Heating Equipment (more than one may apply) | | | | | | | | | |
| Heat Pumps | 59.2 | 28.9 | 28.2 | 27.9 | 24.5 | 24.1 | 44.2 | 24.3 | 9.0 |
| Packaged Heat Pumps | 73.5 | 37.5 | 33.6 | 84.0 | 33.6 | 26.4 | 96.1 | 24.7 | 11.0 |
| Split-System Heat Pumps | 12.5 | 32.9 | 28.5 | 8.4 | 33.4 | 42.0 | 18.7 | 20.0 | 18.6 |
| Individual Room Heat Pumps | 72.3 | 43.7 | 49.6 | 37.8 | 44.0 | 51.7 | 57.1 | 35.5 | 11.8 |
| Furnaces | 36.2 | 19.2 | 15.7 | 29.6 | 15.5 | 15.9 | 30.8 | 12.3 | 13.5 |
| Individual Space Heaters | 41.0 | 19.3 | 17.9 | 15.0 | 25.0 | 17.3 | 34.0 | 15.9 | 8.1 |
| District Heat | 40.0 | 34.4 | 40.0 | 35.2 | 28.3 | 39.7 | 20.8 | 7.8 | 9.7 |
| Boilers | 42.2 | 22.9 | 14.1 | 20.2 | 25.2 | 8.8 | 34.1 | 30.3 | 11.3 |
| Packaged Heating Units | 43.6 | 16.9 | 20.7 | 38.3 | 16.2 | 19.8 | 26.9 | 10.7 | 14.1 |
| Other | 33.9 | 31.4 | 25.8 | 48.6 | 28.9 | 30.3 | 27.7 | 13.7 | 13.6 |
| Cooling Equipment (more than one may apply) | | | | | | | | | |
| Residential-Type Central | | | | | | | | | |
| Air Conditioners | 61.2 | 16.7 | 16.3 | 38.9 | 24.8 | 15.2 | 48.8 | 38.9 | 17.6 |
| Heat Pumps | 56.5 | 29.3 | 28.3 | 27.1 | 25.2 | 24.3 | 41.3 | 24.9 | 8.5 |
| Packaged Heat Pumps | 61.9 | 37.7 | 33.6 | 73.2 | 34.3 | 26.5 | 64.0 | 25.7 | 10.7 |
| Split-System Heat Pumps | 12.5 | 32.9 | 26.7 | 8.4 | 33.4 | 34.8 | 18.7 | 20.0 | 9.9 |
| Individual Room Heat Pumps | 72.3 | 43.7 | 49.6 | 37.8 | 44.0 | 51.7 | 57.1 | 35.5 | 11.8 |
| Individual Air Conditioners | 26.9 | 18.7 | 22.1 | 19.1 | 24.9 | 17.3 | 30.6 | 19.2 | 8.8 |
| District Chilled Water | 58.6 | 32.8 | 44.8 | 59.0 | 30.9 | 42.7 | 13.2 | 12.7 | 21.9 |
| Central Chillers | 28.9 | 23.4 | 17.2 | 25.6 | 21.8 | 16.1 | 10.9 | 4.7 | 10.5 |
| Packaged Air Conditioning | | | | | | | | | |
| Units | 35.5 | 14.2 | 16.0 | 20.9 | 17.4 | 14.6 | 26.0 | 21.0 | 11.2 |
| Swamp Coolers | X | 100.1 | 101.3 | X | 100.1 | 101.3 | X | 0.0 | 0.0 |
| Other | 74.3 | 50.2 | 25.7 | 82.8 | 37.9 | 31.7 | 76.1 | 21.7 | 29.3 |
| Main Equipment Replaced Since 1990 (more than one may apply) | | | | | | | | | |
| Heating | 32.4 | 19.8 | 16.7 | 25.3 | 13.2 | 13.5 | 33.8 | 11.0 | 15.3 |
| Cooling | 25.6 | 18.9 | 19.1 | 15.6 | 15.2 | 12.5 | 22.2 | 11.9 | 11.6 |
| Water Heating Equipment | | | | | | | | | |
| Centralized System | 23.0 | 9.4 | 15.8 | 16.9 | 9.6 | 9.9 | 19.6 | 12.9 | 12.7 |
| Distributed System | 65.5 | 37.2 | 32.9 | 35.5 | 37.9 | 29.0 | 63.4 | 39.6 | 11.9 |
| Combination of Centralized and Distributed System | 35.9 | 26.1 | 25.7 | 29.4 | 27.0 | 20.0 | 19.1 | 14.1 | 18.3 |

RSEs for Table C17. Electricity Consumption and Conditional Energy Intensity by Census Division for Non-Mall Buildings, 2003: Part 1

| | RSEs for Total Electricity Consumption | | | RSEs for Total Floorspace of Buildings Using Electricity | | | RSEs for Electricity Energy Intensity | | |
|--|--|-----------------|--------------------|--|-----------------|--------------------|---------------------------------------|-----------------|--------------------|
| | New England | Middle Atlantic | East North Central | New England | Middle Atlantic | East North Central | New England | Middle Atlantic | East North Central |
| All Buildings* | 26.4 | 10.5 | 15.0 | 20.8 | 10.6 | 13.7 | 20.7 | 12.4 | 9.4 |
| Lighting Equipment Types (more than one may apply) | | | | | | | | | |
| Incandescent | 32.4 | 13.8 | 13.7 | 21.5 | 17.4 | 12.4 | 23.5 | 20.6 | 11.4 |
| Standard Fluorescent | 26.8 | 11.1 | 15.0 | 18.2 | 10.6 | 13.0 | 20.2 | 12.9 | 9.4 |
| Compact Fluorescent | 33.2 | 15.5 | 14.3 | 17.9 | 14.3 | 13.5 | 23.1 | 15.0 | 8.1 |
| High Intensity Discharge | 40.5 | 13.1 | 18.8 | 19.5 | 12.6 | 17.5 | 27.6 | 7.0 | 8.1 |
| Halogen | 33.2 | 14.7 | 7.3 | 26.7 | 11.0 | 9.4 | 18.3 | 14.0 | 7.6 |
| Other | 98.4 | 71.0 | 77.1 | 98.4 | 72.1 | 76.2 | 0.0 | 17.7 | 18.3 |
| Refrigeration Equipment (more than one may apply)^a | | | | | | | | | |
| Any Refrigeration..... | 27.1 | 10.5 | 12.9 | 17.9 | 11.2 | 10.7 | 20.4 | 13.8 | 10.8 |
| Commercial Refrigeration | 27.1 | 12.8 | 16.8 | 22.7 | 19.1 | 14.0 | 23.4 | 23.9 | 8.7 |
| Walk-In Units | 27.2 | 15.5 | 14.1 | 22.8 | 29.4 | 13.3 | 24.9 | 36.9 | 9.1 |
| Cases or Cabinets | 27.6 | 16.2 | 20.7 | 19.8 | 13.8 | 18.2 | 19.9 | 14.3 | 8.0 |
| Residential-Type Units | 24.0 | 12.4 | 18.9 | 15.9 | 13.6 | 13.5 | 19.0 | 20.9 | 12.9 |
| Vending Machines | 33.0 | 11.6 | 13.4 | 21.3 | 13.4 | 12.5 | 15.9 | 13.9 | 9.4 |
| No Refrigeration | 22.7 | 17.4 | 52.7 | 45.1 | 22.5 | 36.5 | 19.0 | 17.0 | 17.3 |
| Office Equipment (more than one may apply) | | | | | | | | | |
| Computers | 26.7 | 11.2 | 14.2 | 15.8 | 10.1 | 11.3 | 20.1 | 13.8 | 9.6 |
| With Flat Screen Monitors | 36.6 | 17.3 | 12.0 | 22.4 | 11.5 | 8.9 | 25.0 | 11.1 | 9.3 |
| Dedicated Servers | 31.5 | 15.7 | 15.7 | 20.7 | 10.5 | 11.0 | 18.3 | 12.4 | 10.0 |
| Laser Printers | 24.4 | 11.0 | 13.2 | 15.9 | 10.3 | 9.6 | 26.3 | 11.9 | 11.7 |
| Inkjet Printers | 37.2 | 14.0 | 12.7 | 27.1 | 11.9 | 9.7 | 20.1 | 10.8 | 8.9 |
| FAX Machines | 28.7 | 11.4 | 13.7 | 18.3 | 10.5 | 10.1 | 20.0 | 14.0 | 10.7 |
| Photocopiers | 31.3 | 12.2 | 14.5 | 16.3 | 10.5 | 11.0 | 19.8 | 14.5 | 9.6 |
| Number of Computers | | | | | | | | | |
| None | 25.9 | 26.1 | 39.5 | 52.8 | 30.4 | 36.6 | 21.7 | 29.7 | 8.7 |
| 1 to 4 | 31.4 | 24.6 | 31.2 | 14.3 | 25.1 | 27.5 | 32.2 | 40.4 | 19.8 |
| 5 to 9 | 56.8 | 29.2 | 17.2 | 33.4 | 25.1 | 12.5 | 55.5 | 19.1 | 14.5 |
| 10 to 19 | 22.3 | 44.2 | 28.3 | 33.5 | 28.9 | 13.6 | 20.8 | 44.8 | 18.9 |
| 20 to 49 | 44.5 | 20.4 | 21.5 | 20.3 | 23.3 | 18.6 | 33.1 | 13.7 | 12.4 |
| 50 to 99 | 60.8 | 28.8 | 22.0 | 45.9 | 39.2 | 17.0 | 33.2 | 66.0 | 14.1 |
| 100 to 249 | 52.8 | 37.0 | 19.1 | 37.9 | 23.7 | 16.6 | 32.4 | 15.7 | 13.4 |
| 250 or More | 51.6 | 12.0 | 14.1 | 27.4 | 12.2 | 16.4 | 35.1 | 6.2 | 14.8 |
| Number of Dedicated Servers | | | | | | | | | |
| None | 23.9 | 11.5 | 16.8 | 24.7 | 17.1 | 22.4 | 36.3 | 17.2 | 10.2 |
| 1 to 4 | 24.2 | 16.7 | 13.3 | 20.3 | 17.0 | 8.9 | 11.8 | 19.0 | 10.5 |
| 5 to 9 | 67.5 | 27.1 | 16.4 | 61.9 | 23.7 | 18.9 | 46.7 | 18.2 | 21.7 |
| 10 to 19 | 55.8 | 39.0 | 23.1 | 48.3 | 24.3 | 24.1 | 48.2 | 23.9 | 13.6 |
| 20 to 49 | 79.8 | 31.9 | 44.7 | 87.6 | 31.7 | 33.6 | 13.0 | 13.2 | 21.9 |
| 50 or More | 63.7 | 31.7 | 44.1 | 54.0 | 29.7 | 54.0 | 43.5 | 15.8 | 10.1 |
| Number of Photocopiers | | | | | | | | | |
| None | 23.9 | 20.9 | 20.3 | 35.3 | 24.0 | 27.9 | 41.7 | 16.7 | 13.4 |
| One | 47.0 | 16.7 | 18.1 | 20.0 | 25.5 | 22.6 | 41.2 | 33.5 | 12.9 |
| 2 to 4 | 38.2 | 8.2 | 19.3 | 16.8 | 12.0 | 7.7 | 29.3 | 7.8 | 15.3 |
| 5 to 9 | 64.2 | 30.8 | 20.9 | 49.4 | 35.7 | 13.2 | 44.7 | 48.7 | 8.9 |
| 10 or More | 38.6 | 14.9 | 18.5 | 22.7 | 15.6 | 18.1 | 33.2 | 6.3 | 13.4 |

RSEs for Table C17. Electricity Consumption and Conditional Energy Intensity by Census Division for Non-Mall Buildings, 2003: Part 1

| | RSEs for Total Electricity Consumption | | | RSEs for Total Floorspace of Buildings Using Electricity | | | RSEs for Electricity Energy Intensity | | |
|--|--|-----------------|--------------------|--|-----------------|--------------------|---------------------------------------|-----------------|--------------------|
| | New England | Middle Atlantic | East North Central | New England | Middle Atlantic | East North Central | New England | Middle Atlantic | East North Central |
| All Buildings* | 26.4 | 10.5 | 15.0 | 20.8 | 10.6 | 13.7 | 20.7 | 12.4 | 9.4 |
| Energy-Related Space Functions (more than one may apply) | | | | | | | | | |
| Commercial Food Preparation | 19.6 | 18.5 | 16.9 | 24.1 | 28.5 | 14.0 | 18.5 | 34.7 | 9.7 |
| Activities with Large Amounts of Hot Water | 39.2 | 22.9 | 15.4 | 23.7 | 33.4 | 15.3 | 25.8 | 45.4 | 7.9 |
| Separate Computer Area | 38.5 | 14.5 | 17.5 | 23.7 | 11.3 | 14.2 | 23.8 | 13.9 | 9.7 |
| HVAC Conservation Features (more than one may apply) | | | | | | | | | |
| Variable Air-Volume System | 50.0 | 19.6 | 10.5 | 35.7 | 15.7 | 8.8 | 26.8 | 8.9 | 8.7 |
| Economizer Cycle | 44.0 | 17.4 | 14.4 | 32.3 | 14.8 | 11.6 | 22.7 | 6.2 | 9.6 |
| HVAC Maintenance | 28.9 | 11.1 | 15.8 | 17.9 | 13.3 | 14.9 | 19.3 | 15.2 | 8.0 |
| Energy Management and Control System (EMCS) | 45.9 | 15.5 | 14.9 | 40.7 | 13.7 | 15.4 | 18.5 | 8.9 | 6.5 |
| Window and Interior Lighting Features (more than one may apply) | | | | | | | | | |
| Multipaned Windows | 30.1 | 9.8 | 15.0 | 20.9 | 15.6 | 12.2 | 24.2 | 18.4 | 10.5 |
| Tinted Window Glass | 39.2 | 13.9 | 17.5 | 24.2 | 14.3 | 17.9 | 24.9 | 6.1 | 10.9 |
| Reflective Window Glass | 60.8 | 22.0 | 24.3 | 46.0 | 15.1 | 19.7 | 36.3 | 14.2 | 16.3 |
| External Overhangs or Awnings | 39.4 | 14.7 | 25.9 | 24.7 | 23.1 | 21.2 | 26.9 | 30.2 | 11.8 |
| Skylights or Atriums | 26.8 | 18.0 | 19.6 | 30.5 | 17.6 | 13.5 | 18.1 | 24.7 | 14.9 |
| Daylighting Sensors | 37.1 | 42.4 | 32.4 | 30.3 | 44.6 | 27.1 | 55.6 | 30.8 | 20.7 |
| Specular Reflectors | 38.4 | 16.8 | 17.9 | 30.1 | 11.8 | 15.8 | 26.7 | 13.8 | 6.6 |
| Electronic Ballasts | 28.9 | 14.5 | 15.1 | 17.6 | 11.0 | 13.8 | 23.1 | 10.8 | 5.6 |
| Energy Management and Control System (EMCS) For Lighting | 100.1 | 21.7 | 22.5 | 100.1 | 19.0 | 32.6 | 0.0 | 8.2 | 16.5 |
| Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^a | | | | | | | | | |
| Heating | 28.0 | 12.0 | 13.7 | 19.9 | 10.5 | 12.5 | 22.1 | 16.0 | 12.8 |
| Cooling | 25.9 | 12.2 | 16.1 | 14.2 | 11.1 | 13.1 | 18.8 | 15.0 | 10.9 |
| Lighting | 21.2 | 12.7 | 17.4 | 22.3 | 10.6 | 13.8 | 15.3 | 14.3 | 9.1 |
| Office Equipment | 8.7 | 15.7 | 28.2 | 26.5 | 11.8 | 16.8 | 18.7 | 16.7 | 20.7 |
| Annual Consumption (kilowatthours) | | | | | | | | | |
| 10,000 or Less | 38.4 | 37.2 | 30.6 | 59.8 | 53.2 | 54.8 | 15.4 | 17.3 | 23.3 |
| 10,001 to 50,000 | 35.4 | 22.1 | 19.8 | 24.5 | 20.5 | 29.3 | 36.5 | 10.6 | 19.1 |
| 50,001 to 100,000 | 37.0 | 20.6 | 24.7 | 55.1 | 32.5 | 26.7 | 61.0 | 32.2 | 17.2 |
| 100,001 to 500,000 | 29.5 | 18.0 | 15.0 | 37.2 | 29.9 | 10.5 | 25.8 | 32.1 | 10.5 |
| 500,001 to 1,000,000 | 41.4 | 14.8 | 26.5 | 20.7 | 18.4 | 20.5 | 27.8 | 15.2 | 13.6 |
| 1,000,001 to 5,000,000 | 29.1 | 22.7 | 25.0 | 18.3 | 20.5 | 19.8 | 15.6 | 11.0 | 7.3 |
| Over 5,000,000 | 69.3 | 16.6 | 13.9 | 53.6 | 17.4 | 24.1 | 44.0 | 9.3 | 15.1 |

RSEs for Table C17. Electricity Consumption and Conditional Energy Intensity by Census Division for Non-Mall Buildings, 2003: Part 1

| | RSEs for Total Electricity Consumption | | | RSEs for Total Floorspace of Buildings Using Electricity | | | RSEs for Electricity Energy Intensity | | |
|--|--|-----------------|--------------------|--|-----------------|--------------------|---------------------------------------|-----------------|--------------------|
| | New England | Middle Atlantic | East North Central | New England | Middle Atlantic | East North Central | New England | Middle Atlantic | East North Central |
| All Buildings* | 26.4 | 10.5 | 15.0 | 20.8 | 10.6 | 13.7 | 20.7 | 12.4 | 9.4 |
| Provider of Purchased Electricity (more than one may apply) | | | | | | | | | |
| Local Utility | 28.2 | 12.2 | 15.7 | 18.2 | 11.2 | 14.1 | 23.1 | 14.6 | 10.2 |
| Some Other Provider | 39.0 | 21.0 | 21.6 | 45.1 | 22.4 | 27.7 | 20.6 | 6.8 | 12.7 |

X=No cases in the responding sample reported their consumption for the particular fuel, so relative standard error could not be calculated.

RSEs for Table C18. Electricity Consumption and Conditional Energy Intensity by Census Division for Non-Mall Buildings, 2003: Part 2

| | RSEs for Total Electricity Consumption | | | RSEs for Total Floorspace of Buildings Using Electricity | | | RSEs for Electricity Energy Intensity | | |
|--|--|-------------------|--------------------------|--|-------------------|--------------------------|---------------------------------------|-------------------|--------------------------|
| | West North Central | South Atlantic | East South Central | West North Central | South Atlantic | East South Central | West North Central | South Atlantic | East South Central |
| All Buildings* | 10.7 | 7.7 | 11.4 | 13.3 | 5.2 | 7.3 | 4.5 | 5.2 | 9.3 |
| Building Floorspace (Square Feet) | | | | | | | | | |
| 1,001 to 5,000 | 18.7 | 23.3 | 17.0 | 26.2 | 19.2 | 25.3 | 13.5 | 11.5 | 18.5 |
| 5,001 to 10,000 | 30.0 | 15.8 | 32.4 | 23.8 | 12.3 | 18.2 | 18.8 | 11.4 | 20.7 |
| 10,001 to 25,000 | 13.2 | 25.6 | 34.9 | 13.2 | 15.3 | 4.0 | 25.4 | 22.3 | 34.8 |
| 25,001 to 50,000 | 17.7 | 18.9 | 21.7 | 16.6 | 14.3 | 22.5 | 7.4 | 12.1 | 28.7 |
| 50,001 to 100,000 | 27.5 | 17.9 | 20.8 | 33.3 | 17.4 | 23.4 | 14.2 | 10.7 | 7.6 |
| 100,001 to 200,000 | 15.9 | 31.9 | 43.7 | 25.1 | 28.3 | 40.6 | 22.5 | 12.0 | 3.6 |
| 200,001 to 500,000 | 43.2 | 19.8 | 38.9 | 52.8 | 20.1 | 45.0 | 63.4 | 6.7 | 10.8 |
| Over 500,000 | 49.4 | 43.4 | 23.6 | 36.8 | 44.5 | 28.4 | 26.9 | 16.7 | 5.3 |
| Principal Building Activity | | | | | | | | | |
| Education | 38.8 | 15.9 | 40.1 | 33.6 | 11.6 | 39.3 | 20.4 | 7.6 | 3.1 |
| Food Sales | 64.9 | 39.3 | 68.4 | 58.7 | 30.6 | 72.4 | 8.4 | 21.5 | 13.0 |
| Food Service | 26.4 | 41.8 | 19.6 | 39.2 | 32.4 | 12.9 | 25.2 | 28.4 | 7.6 |
| Health Care | 29.0 | 16.2 | 15.9 | 25.0 | 20.2 | 21.3 | 11.7 | 17.8 | 7.4 |
| Inpatient | 28.5 | 21.7 | 12.9 | 27.6 | 24.0 | 15.1 | 7.9 | 11.7 | 4.7 |
| Outpatient | 32.3 | 22.5 | 37.4 | 31.3 | 29.6 | 38.0 | 26.4 | 42.1 | 4.8 |
| Lodging | 14.9 | 27.7 | 29.1 | 14.0 | 22.2 | 33.5 | 13.6 | 7.6 | 8.2 |
| Retail (Other Than Mall)..... | 44.0 | 33.1 | 10.0 | 44.7 | 21.9 | 9.0 | 6.0 | 24.7 | 14.8 |
| Office | 21.3 | 18.6 | 42.3 | 16.3 | 18.9 | 38.8 | 8.2 | 5.0 | 8.3 |
| Public Assembly | 26.4 | 28.3 | 56.4 | 28.8 | 25.2 | 48.5 | 33.1 | 35.0 | 8.3 |
| Public Order and Safety | 29.7 | 54.6 | 81.8 | 34.2 | 50.1 | 86.4 | 16.3 | 35.0 | 36.8 |
| Religious Worship | 15.0 | 25.9 | 21.0 | 19.3 | 24.7 | 31.6 | 18.2 | 16.3 | 14.2 |
| Service | 27.7 | 58.8 | 40.6 | 19.6 | 24.0 | 47.6 | 15.5 | 49.8 | 15.6 |
| Warehouse and Storage | 29.4 | 19.8 | 61.5 | 27.4 | 21.5 | 46.3 | 13.0 | 16.2 | 37.9 |
| Other | 87.5 | 100.1 | 92.9 | 91.8 | 100.1 | 54.7 | 57.9 | 0.0 | 30.4 |
| Vacant | 74.3 | 56.6 | X | 68.2 | 43.6 | X | 31.8 | 44.4 | X |
| Year Constructed | | | | | | | | | |
| Before 1920 | 32.0 | 64.5 | 100.2 | 30.4 | 60.9 | 76.6 | 12.6 | 13.6 | 107.5 |
| 1920 to 1945 | 23.9 | 39.9 | 39.6 | 34.7 | 37.5 | 23.9 | 18.1 | 22.7 | 14.3 |
| 1946 to 1959 | 46.9 | 26.4 | 60.6 | 20.8 | 38.8 | 56.4 | 34.1 | 13.4 | 31.9 |
| 1960 to 1969 | 39.8 | 18.7 | 19.0 | 28.0 | 16.1 | 22.2 | 25.3 | 15.4 | 25.2 |
| 1970 to 1979 | 8.3 | 24.6 | 23.3 | 23.9 | 9.4 | 4.3 | 25.5 | 19.2 | 24.3 |
| 1980 to 1989 | 24.8 | 14.6 | 43.1 | 21.5 | 12.1 | 34.0 | 14.6 | 8.7 | 14.6 |
| 1990 to 1999 | 24.3 | 19.4 | 15.3 | 15.7 | 11.5 | 24.2 | 15.6 | 14.3 | 19.1 |
| 2000 to 2003 | 37.7 | 26.5 | 27.0 | 31.1 | 14.6 | 35.6 | 9.8 | 19.2 | 12.7 |
| Climate Zone: 30-Year Average | | | | | | | | | |
| Under 2,000 CDD and -- | | | | | | | | | |
| More than 7,000 HDD | 22.1 | 0.0 | 0.0 | 26.5 | 0.0 | 0.0 | 8.2 | 0.0 | 0.0 |
| 5,500-7,000 HDD | 54.3 | 0.0 | 0.0 | 58.6 | 0.0 | 0.0 | 9.3 | 0.0 | 0.0 |
| 4,000-5,499 HDD | 20.5 | 45.0 | 70.0 | 21.2 | 41.8 | 71.0 | 1.3 | 6.4 | 10.5 |
| Fewer than 4,000 HDD | 0.0 | 17.2 | 61.3 | 0.0 | 15.2 | 60.4 | 0.0 | 8.8 | 9.7 |
| 2,000 CDD or More and -- | | | | | | | | | |
| Fewer than 4,000 HDD | 0.0 | 14.1 | 94.8 | 0.0 | 6.3 | 88.0 | 0.0 | 10.9 | 3.6 |
| Number of Floors | | | | | | | | | |
| One | 15.3 | 14.0 | 11.5 | 15.4 | 10.9 | 17.8 | 11.0 | 5.4 | 16.3 |
| Two | 16.7 | 23.0 | 33.5 | 16.5 | 12.9 | 24.7 | 14.3 | 14.7 | 8.2 |
| Three | 14.8 | 15.9 | 34.3 | 23.8 | 15.3 | 25.2 | 23.4 | 12.0 | 9.7 |
| Four to Nine | 38.1 | 35.4 | 44.2 | 39.8 | 34.8 | 40.2 | 18.5 | 4.1 | 9.6 |
| Ten or More | 36.0 | 41.8 | 35.1 | 31.7 | 46.1 | 34.0 | 10.9 | 6.5 | 1.6 |

RSEs for Table C18. Electricity Consumption and Conditional Energy Intensity by Census Division for Non-Mall Buildings, 2003: Part 2

| | RSEs for Total Electricity Consumption | | | RSEs for Total Floorspace of Buildings Using Electricity | | | RSEs for Electricity Energy Intensity | | |
|---|--|----------------|--------------------|--|----------------|--------------------|---------------------------------------|----------------|--------------------|
| | West North Central | South Atlantic | East South Central | West North Central | South Atlantic | East South Central | West North Central | South Atlantic | East South Central |
| All Buildings* | 10.7 | 7.7 | 11.4 | 13.3 | 5.2 | 7.3 | 4.5 | 5.2 | 9.3 |
| Elevators and Escalators (more than one may apply) | | | | | | | | | |
| Any Elevators | 21.2 | 17.7 | 17.6 | 20.9 | 15.4 | 16.7 | 13.3 | 6.0 | 5.8 |
| Number of Elevators | | | | | | | | | |
| One | 21.3 | 15.9 | 16.6 | 15.6 | 14.3 | 8.6 | 12.8 | 9.7 | 21.1 |
| Two to Five | 25.1 | 23.4 | 18.4 | 35.9 | 21.5 | 19.8 | 26.6 | 8.2 | 11.3 |
| Six or More | 28.3 | 38.8 | 39.8 | 27.8 | 40.8 | 46.7 | 8.9 | 15.9 | 10.3 |
| Any Escalators | 65.8 | 61.8 | 100.0 | 66.1 | 54.6 | 100.0 | 16.0 | 22.4 | 0.0 |
| Number of Workers (main shift) | | | | | | | | | |
| Fewer than 5 | 20.6 | 22.7 | 28.9 | 10.5 | 24.5 | 32.3 | 12.0 | 14.7 | 4.9 |
| 5 to 9 | 25.8 | 18.2 | 33.6 | 10.1 | 15.8 | 8.0 | 25.3 | 11.5 | 29.5 |
| 10 to 19 | 11.5 | 16.3 | 34.7 | 18.7 | 9.4 | 38.4 | 18.0 | 11.4 | 14.9 |
| 20 to 49 | 25.3 | 26.8 | 28.4 | 24.4 | 27.1 | 22.3 | 13.2 | 3.2 | 12.3 |
| 50 to 99 | 22.4 | 19.0 | 37.9 | 34.0 | 16.8 | 31.2 | 19.1 | 6.7 | 20.8 |
| 100 to 249 | 20.1 | 23.5 | 28.0 | 29.3 | 16.7 | 35.5 | 9.1 | 16.5 | 9.2 |
| 250 or More | 25.4 | 28.2 | 39.1 | 26.5 | 29.8 | 46.4 | 11.5 | 11.1 | 7.4 |
| Weekly Operating Hours | | | | | | | | | |
| Fewer than 40 | 34.0 | 22.9 | 27.2 | 5.2 | 22.2 | 27.1 | 30.7 | 21.8 | 11.6 |
| 40 to 48 | 25.7 | 8.4 | 20.5 | 18.1 | 19.7 | 14.8 | 10.1 | 14.4 | 8.4 |
| 49 to 60 | 21.5 | 11.9 | 56.9 | 15.5 | 8.0 | 29.9 | 16.9 | 4.6 | 23.1 |
| 61 to 84 | 30.0 | 12.6 | 20.4 | 31.4 | 17.8 | 18.5 | 16.7 | 18.3 | 20.0 |
| 85 to 167 | 25.0 | 21.4 | 27.9 | 40.6 | 20.0 | 53.2 | 38.7 | 10.2 | 19.7 |
| Open Continuously | 10.2 | 21.8 | 8.6 | 10.2 | 16.1 | 14.0 | 10.4 | 12.7 | 8.2 |
| Ownership and Occupancy | | | | | | | | | |
| Nongovernment Owned | 9.5 | 7.2 | 16.3 | 12.8 | 7.2 | 13.5 | 5.0 | 7.4 | 12.3 |
| Owner Occupied | 10.7 | 16.5 | 18.2 | 12.1 | 17.5 | 14.6 | 3.7 | 8.4 | 6.0 |
| Nonowner Occupied | 15.0 | 11.0 | 17.5 | 19.6 | 10.6 | 22.1 | 9.9 | 9.5 | 23.3 |
| Unoccupied | 98.2 | 56.6 | X | 92.8 | 43.6 | X | 108.5 | 44.4 | X |
| Government Owned | 25.8 | 14.5 | 16.7 | 18.6 | 7.0 | 15.2 | 16.2 | 11.4 | 4.1 |
| Federal | 64.3 | 64.7 | 25.9 | 63.6 | 53.4 | 24.4 | 20.9 | 38.8 | 24.1 |
| State | 67.6 | 44.4 | 28.8 | 52.5 | 36.9 | 17.0 | 33.1 | 13.8 | 12.4 |
| Local | 35.2 | 21.3 | 13.6 | 26.6 | 17.9 | 16.8 | 29.4 | 9.0 | 22.2 |
| Vacancy Status | | | | | | | | | |
| Completely Vacant | 99.1 | 56.6 | X | 76.1 | 43.6 | X | 100.5 | 44.4 | X |
| Mostly Vacant | 77.1 | X | 0.0 | 71.4 | X | 0.0 | 24.2 | X | 0.0 |
| Partially Vacant | 23.5 | 19.1 | 41.0 | 22.6 | 22.4 | 28.3 | 15.1 | 12.7 | 12.7 |
| Not At All Vacant | 10.2 | 7.8 | 9.5 | 14.0 | 4.5 | 7.9 | 5.3 | 6.8 | 9.6 |
| Number of Establishments | | | | | | | | | |
| One | 10.2 | 8.0 | 10.9 | 14.3 | 6.4 | 10.2 | 5.4 | 5.3 | 12.5 |
| 2 to 5 | 39.0 | 11.3 | 18.5 | 31.0 | 15.3 | 13.9 | 14.7 | 8.7 | 9.7 |
| 6 to 10 | 35.1 | 62.2 | 91.5 | 31.1 | 55.2 | 67.5 | 33.5 | 8.9 | 107.6 |
| 11 to 20 | 47.3 | 45.8 | 33.1 | 16.1 | 44.8 | 42.2 | 27.5 | 23.9 | 18.9 |
| More than 20 | 95.1 | 45.6 | 76.4 | 90.2 | 37.5 | 87.3 | 51.5 | 32.5 | 15.3 |
| Currently Unoccupied | 99.1 | 56.6 | X | 76.1 | 43.6 | X | 100.5 | 44.4 | X |

RSEs for Table C18. Electricity Consumption and Conditional Energy Intensity by Census Division for Non-Mall Buildings, 2003: Part 2

| | RSEs for Total Electricity Consumption | | | RSEs for Total Floorspace of Buildings Using Electricity | | | RSEs for Electricity Energy Intensity | | |
|---|--|----------------|--------------------|--|----------------|--------------------|---------------------------------------|----------------|--------------------|
| | West North Central | South Atlantic | East South Central | West North Central | South Atlantic | East South Central | West North Central | South Atlantic | East South Central |
| All Buildings* | 10.7 | 7.7 | 11.4 | 13.3 | 5.2 | 7.3 | 4.5 | 5.2 | 9.3 |
| Predominant Exterior Wall Material | | | | | | | | | |
| Brick, Stone or Stucco | 12.2 | 9.2 | 5.8 | 16.4 | 6.7 | 5.9 | 14.3 | 5.6 | 1.0 |
| Concrete (Block or Poured) | 27.8 | 15.2 | 41.2 | 24.1 | 12.9 | 22.6 | 11.3 | 9.6 | 17.0 |
| Concrete Panels | 33.1 | 40.6 | 53.4 | 24.6 | 35.4 | 47.8 | 12.8 | 16.7 | 12.6 |
| Siding or Shingles | 16.9 | 44.1 | 30.9 | 14.3 | 13.4 | 39.1 | 14.4 | 36.8 | 43.3 |
| Metal Panels | 25.9 | 28.6 | 63.4 | 21.4 | 23.2 | 44.4 | 11.1 | 30.9 | 65.0 |
| Window Glass | 100.7 | 36.5 | 100.1 | 100.7 | 34.0 | 100.1 | 0.0 | 20.5 | 0.0 |
| Other | 74.9 | 74.7 | 69.9 | 71.1 | 64.2 | 62.7 | 57.7 | 13.2 | 20.8 |
| No One Major Type | 100.2 | 80.6 | 0.0 | 100.2 | 62.2 | 0.0 | 0.0 | 34.4 | 0.0 |
| Predominant Roof Material | | | | | | | | | |
| Built-Up | 6.5 | 17.3 | 27.5 | 15.3 | 14.2 | 14.1 | 14.6 | 11.9 | 18.9 |
| Shingles (Not Wood) | 20.3 | 20.7 | 13.8 | 13.0 | 17.2 | 17.4 | 22.4 | 14.4 | 24.5 |
| Metal Surfacing | 22.7 | 23.4 | 31.5 | 14.1 | 20.0 | 31.6 | 9.1 | 12.1 | 18.2 |
| Synthetic or Rubber | 32.6 | 17.7 | 23.1 | 31.4 | 11.7 | 17.6 | 2.7 | 8.5 | 16.5 |
| Slate or Tile | 68.4 | 29.0 | 55.3 | 60.0 | 21.6 | 36.8 | 25.4 | 9.7 | 24.2 |
| Wooden Materials | 61.2 | 41.8 | 89.5 | 61.8 | 45.7 | 77.5 | 20.4 | 8.4 | 59.5 |
| Concrete | 87.2 | 59.8 | 0.0 | 77.7 | 72.8 | 0.0 | 46.3 | 15.8 | 0.0 |
| Other | 98.6 | 67.9 | 0.0 | 98.6 | 59.1 | 0.0 | 0.8 | 52.8 | 0.0 |
| No One Major Type | 88.9 | 76.3 | 0.0 | 88.9 | 72.9 | 0.0 | 0.0 | 21.0 | 0.0 |
| Renovations in Buildings Constructed Before 1980 (more than one may apply) | | | | | | | | | |
| Any Type of Renovation | 17.7 | 18.9 | 10.7 | 19.2 | 20.3 | 7.3 | 10.7 | 12.8 | 11.3 |
| Since 1980 | 24.5 | 31.5 | 24.2 | 23.7 | 29.8 | 27.5 | 10.4 | 19.4 | 10.4 |
| Addition or Annex | 84.5 | 72.5 | 100.3 | 84.6 | 73.6 | 100.3 | 11.3 | 7.2 | 0.0 |
| Reduction In Floorspace | 18.1 | 18.3 | 9.3 | 17.7 | 21.7 | 10.8 | 13.7 | 10.8 | 11.3 |
| Cosmetic Improvements | 19.1 | 21.9 | 26.5 | 26.8 | 25.8 | 34.9 | 16.4 | 9.9 | 12.4 |
| Wall or Roof Replacement | 18.7 | 24.7 | 15.2 | 17.9 | 21.8 | 16.0 | 18.3 | 8.7 | 6.4 |
| Interior Wall | | | | | | | | | |
| Re-Configuration | 16.9 | 21.3 | 21.7 | 20.7 | 21.8 | 23.1 | 10.8 | 10.5 | 10.4 |
| HVAC Equipment Upgrade | 17.3 | 28.3 | 19.7 | 22.6 | 31.1 | 14.4 | 12.2 | 13.1 | 6.3 |
| Lighting Upgrade | 34.9 | 29.0 | 37.4 | 11.5 | 27.7 | 49.6 | 28.8 | 25.2 | 22.2 |
| Window Replacement | 24.0 | 25.1 | 17.0 | 29.5 | 31.1 | 12.7 | 16.1 | 11.4 | 8.1 |
| Plumbing System Upgrade | 27.6 | 41.9 | 27.5 | 17.8 | 40.5 | 21.5 | 15.1 | 14.7 | 15.6 |
| Insulation Upgrade | 0.0 | 74.8 | 100.3 | 0.0 | 95.2 | 100.3 | 0.0 | 1161.8 | 0.0 |
| No Renovations Since 1980 | 19.7 | 36.5 | 23.3 | 20.5 | 23.2 | 9.0 | 12.9 | 19.1 | 17.3 |
| Building Newer than 1980 | 14.0 | 12.0 | 14.0 | 13.8 | 7.4 | 14.8 | 5.9 | 7.4 | 10.9 |
| Energy Sources (more than one may apply) | | | | | | | | | |
| Electricity | 10.7 | 7.7 | 11.4 | 13.3 | 5.2 | 7.3 | 4.5 | 5.2 | 9.3 |
| Natural Gas | 12.5 | 16.0 | 10.0 | 15.4 | 14.4 | 5.6 | 10.7 | 13.1 | 6.4 |
| Fuel Oil | 20.3 | 22.1 | 4.8 | 30.9 | 26.0 | 8.6 | 19.2 | 6.5 | 8.5 |
| District Heat | 60.6 | 36.7 | 44.1 | 68.2 | 35.8 | 38.1 | 54.4 | 11.5 | 13.4 |
| District Chilled Water | 71.8 | 40.0 | 44.9 | 71.1 | 33.9 | 35.2 | 17.7 | 8.3 | 20.7 |
| Propane | 32.6 | 20.4 | 60.2 | 30.8 | 26.6 | 55.4 | 13.1 | 10.4 | 10.3 |
| Other | 67.5 | 59.3 | 60.2 | 56.7 | 33.7 | 35.2 | 32.8 | 25.8 | 39.6 |

RSEs for Table C18. Electricity Consumption and Conditional Energy Intensity by Census Division for Non-Mall Buildings, 2003: Part 2

| | RSEs for Total Electricity Consumption | | | RSEs for Total Floorspace of Buildings Using Electricity | | | RSEs for Electricity Energy Intensity | | |
|--|--|----------------|--------------------|--|----------------|--------------------|---------------------------------------|----------------|--------------------|
| | West North Central | South Atlantic | East South Central | West North Central | South Atlantic | East South Central | West North Central | South Atlantic | East South Central |
| All Buildings* | 10.7 | 7.7 | 11.4 | 13.3 | 5.2 | 7.3 | 4.5 | 5.2 | 9.3 |
| Space-Heating Energy Sources | | | | | | | | | |
| Electricity | 8.2 | 10.7 | 20.2 | 9.7 | 12.0 | 14.3 | 6.3 | 7.0 | 20.5 |
| Electricity Main | 21.6 | 14.3 | 27.2 | 26.1 | 16.6 | 10.1 | 5.2 | 9.4 | 23.2 |
| Electricity Secondary | 14.5 | 27.2 | 13.3 | 14.7 | 18.4 | 24.9 | 11.0 | 12.5 | 15.9 |
| Other Excluding Electricity | 14.8 | 17.6 | 12.6 | 20.9 | 19.7 | 7.6 | 10.4 | 12.4 | 14.5 |
| Buildings without Heating | 50.5 | 40.5 | 79.7 | 29.1 | 17.2 | 58.1 | 33.5 | 31.8 | 118.5 |
| Primary Space-Heating Energy Source | | | | | | | | | |
| Electricity | 21.6 | 14.3 | 27.2 | 26.1 | 16.6 | 10.1 | 5.2 | 9.4 | 23.2 |
| Natural Gas | 9.8 | 19.1 | 10.4 | 17.0 | 16.3 | 7.5 | 9.0 | 14.5 | 7.6 |
| Fuel Oil | 21.5 | 24.7 | 100.4 | 40.1 | 38.1 | 100.4 | 27.2 | 20.0 | 0.0 |
| District Heat | 65.5 | 38.1 | 46.2 | 71.2 | 37.1 | 41.7 | 61.5 | 11.6 | 6.8 |
| Propane | 66.2 | 48.8 | 64.1 | 45.8 | 42.5 | 59.7 | 17.4 | 17.8 | 12.8 |
| Other | 77.9 | 82.3 | 87.2 | 64.1 | 75.0 | 73.3 | 48.0 | 52.3 | 66.5 |
| Cooling Energy Sources | | | | | | | | | |
| Electricity | 10.9 | 8.4 | 16.2 | 13.4 | 5.1 | 10.2 | 4.9 | 5.1 | 8.3 |
| Other Excluding Electricity | 100.3 | 54.7 | 63.2 | 100.3 | 44.6 | 48.6 | 0.0 | 12.9 | 27.1 |
| Buildings without Cooling | 13.3 | 28.8 | 66.9 | 18.4 | 35.4 | 52.4 | 14.6 | 20.4 | 40.7 |
| Water-Heating Energy Sources | | | | | | | | | |
| Electricity | 12.8 | 12.6 | 23.7 | 17.3 | 11.2 | 19.6 | 5.9 | 9.5 | 10.0 |
| Other Excluding Electricity | 10.1 | 19.9 | 6.7 | 17.9 | 16.7 | 14.6 | 12.1 | 8.1 | 9.7 |
| Bldgs without Water Heating | 55.5 | 18.4 | 50.1 | 23.1 | 14.2 | 38.5 | 43.4 | 16.8 | 22.7 |
| Cooking Energy Sources | | | | | | | | | |
| Electricity | 16.1 | 19.4 | 17.8 | 23.6 | 17.6 | 9.4 | 16.0 | 8.3 | 10.2 |
| Other Excluding Electricity | 15.0 | 29.3 | 28.6 | 16.0 | 18.7 | 36.0 | 12.9 | 16.5 | 8.7 |
| Buildings without Cooking | 17.1 | 12.1 | 21.9 | 14.7 | 8.6 | 13.6 | 6.2 | 6.6 | 13.8 |
| Energy End Uses (more than one may apply) | | | | | | | | | |
| Buildings with Space Heating | 10.6 | 7.7 | 11.5 | 13.3 | 5.2 | 9.2 | 4.6 | 5.1 | 8.2 |
| Buildings with Cooling | 10.6 | 7.7 | 12.1 | 13.3 | 5.0 | 9.0 | 4.8 | 5.0 | 7.2 |
| Buildings with Water Heating | 9.5 | 7.7 | 13.0 | 12.7 | 5.2 | 9.7 | 6.1 | 5.4 | 7.5 |
| Buildings with Cooking | 12.6 | 16.4 | 10.5 | 15.7 | 13.1 | 10.5 | 9.1 | 6.9 | 9.3 |
| Buildings with Manufacturing | 41.8 | 45.6 | 48.6 | 26.7 | 15.8 | 42.4 | 22.4 | 37.6 | 13.2 |
| Buildings with Electricity Generation | 15.1 | 14.9 | 10.1 | 22.4 | 19.8 | 16.9 | 19.3 | 6.4 | 7.4 |
| Percent of Floorspace Heated | | | | | | | | | |
| Not Heated | 50.5 | 40.5 | 79.7 | 29.1 | 17.2 | 58.1 | 33.5 | 31.8 | 118.5 |
| 1 to 50 | 35.3 | 31.7 | 69.0 | 10.2 | 22.7 | 46.9 | 40.4 | 34.7 | 41.7 |
| 51 to 99 | 19.1 | 24.2 | 34.3 | 20.7 | 21.8 | 6.8 | 10.1 | 9.2 | 36.3 |
| 100 | 12.1 | 8.9 | 15.3 | 14.3 | 5.7 | 13.9 | 5.7 | 5.3 | 9.1 |
| Percent of Floorspace Cooled | | | | | | | | | |
| Not Cooled | 13.3 | 28.8 | 66.9 | 18.4 | 35.4 | 52.4 | 14.6 | 20.4 | 40.7 |
| 1 to 50 | 23.5 | 17.5 | 68.7 | 22.1 | 10.2 | 47.1 | 9.6 | 17.0 | 40.2 |
| 51 to 99 | 20.2 | 14.7 | 23.8 | 22.0 | 13.4 | 18.9 | 17.7 | 7.1 | 25.8 |
| 100 | 9.6 | 11.2 | 13.1 | 6.5 | 8.5 | 8.6 | 4.0 | 6.3 | 7.9 |

RSEs for Table C18. Electricity Consumption and Conditional Energy Intensity by Census Division for Non-Mall Buildings, 2003: Part 2

| | RSEs for Total Electricity Consumption | | | RSEs for Total Floorspace of Buildings Using Electricity | | | RSEs for Electricity Energy Intensity | | |
|---|--|----------------|--------------------|--|----------------|--------------------|---------------------------------------|----------------|--------------------|
| | West North Central | South Atlantic | East South Central | West North Central | South Atlantic | East South Central | West North Central | South Atlantic | East South Central |
| All Buildings* | 10.7 | 7.7 | 11.4 | 13.3 | 5.2 | 7.3 | 4.5 | 5.2 | 9.3 |
| Percent Lit When Open | | | | | | | | | |
| Zero | 96.0 | 92.2 | 92.0 | 96.0 | 74.7 | 86.5 | 0.0 | 266.9 | 43.4 |
| 1 to 50 | 18.2 | 18.8 | 18.2 | 14.7 | 15.1 | 10.3 | 11.1 | 16.7 | 15.0 |
| 51 to 99 | 19.1 | 14.5 | 32.8 | 22.6 | 9.9 | 16.6 | 10.9 | 7.9 | 20.3 |
| 100 | 8.9 | 13.0 | 15.6 | 11.4 | 7.6 | 14.6 | 4.5 | 9.4 | 11.2 |
| Building Never Open/ Electricity Not Used | 72.5 | 56.6 | 92.8 | 60.8 | 43.6 | 69.6 | 36.4 | 44.4 | 88.6 |
| Percent Lit When Closed | | | | | | | | | |
| Zero | 20.0 | 20.6 | 31.8 | 10.8 | 12.6 | 33.1 | 14.7 | 17.6 | 7.8 |
| 1 to 50 | 9.5 | 8.1 | 22.7 | 20.9 | 6.8 | 15.1 | 19.9 | 5.0 | 10.0 |
| 51 to 100 | 63.0 | 46.9 | 49.7 | 49.2 | 26.4 | 35.7 | 28.7 | 22.4 | 22.4 |
| Building Never Closed/ Electricity Not Used | 10.2 | 21.8 | 8.6 | 10.2 | 16.1 | 14.0 | 10.4 | 12.7 | 8.2 |
| Heating Equipment (more than one may apply) | | | | | | | | | |
| Heat Pumps | 24.5 | 17.3 | 33.2 | 28.9 | 17.0 | 35.9 | 10.9 | 15.8 | 7.9 |
| Packaged Heat Pumps | 16.9 | 24.2 | 52.6 | 15.9 | 16.1 | 49.2 | 15.0 | 19.9 | 12.1 |
| Split-System Heat Pumps | 47.4 | 42.1 | 16.4 | 58.0 | 30.3 | 26.4 | 9.3 | 32.5 | 11.8 |
| Individual Room Heat Pumps | 86.7 | 17.1 | 48.8 | 88.7 | 19.0 | 56.6 | 2.8 | 10.6 | 20.8 |
| Furnaces | 12.9 | 17.1 | 17.5 | 12.9 | 10.3 | 4.5 | 2.3 | 14.2 | 19.5 |
| Individual Space Heaters | 11.1 | 24.5 | 21.2 | 13.3 | 15.2 | 29.3 | 7.7 | 16.2 | 25.7 |
| District Heat | 60.2 | 36.7 | 44.1 | 67.7 | 35.8 | 38.1 | 57.5 | 11.5 | 13.4 |
| Boilers | 23.6 | 31.0 | 22.6 | 21.2 | 30.2 | 18.3 | 20.2 | 11.7 | 12.3 |
| Packaged Heating Units | 9.8 | 15.2 | 14.5 | 14.9 | 14.2 | 8.9 | 9.0 | 4.5 | 17.8 |
| Other | 29.3 | 28.5 | 70.9 | 36.6 | 33.0 | 70.2 | 15.6 | 23.5 | 24.7 |
| Cooling Equipment (more than one may apply) | | | | | | | | | |
| Residential-Type Central | | | | | | | | | |
| Air Conditioners | 7.2 | 40.6 | 20.4 | 8.6 | 22.2 | 21.1 | 7.1 | 23.6 | 17.1 |
| Heat Pumps | 15.2 | 17.0 | 38.6 | 23.2 | 19.3 | 38.0 | 8.7 | 13.3 | 10.6 |
| Packaged Heat Pumps | 17.3 | 25.1 | 58.1 | 18.6 | 16.2 | 51.2 | 12.6 | 20.2 | 17.9 |
| Split-System Heat Pumps | 47.7 | 39.9 | 17.8 | 54.6 | 28.8 | 29.8 | 20.3 | 29.1 | 10.9 |
| Individual Room Heat Pumps | 86.7 | 25.9 | 48.8 | 88.7 | 22.3 | 56.6 | 2.8 | 7.7 | 20.8 |
| Individual Air Conditioners | 15.2 | 26.4 | 29.1 | 12.5 | 28.5 | 24.4 | 11.4 | 15.2 | 14.0 |
| District Chilled Water | 71.8 | 40.0 | 44.9 | 71.1 | 33.9 | 35.2 | 17.7 | 8.3 | 20.7 |
| Central Chillers | 16.1 | 28.7 | 19.8 | 21.9 | 22.5 | 21.0 | 9.8 | 10.5 | 3.5 |
| Packaged Air Conditioning | | | | | | | | | |
| Units | 13.5 | 10.1 | 13.2 | 15.4 | 9.2 | 4.5 | 7.0 | 6.7 | 14.5 |
| Swamp Coolers | 0.0 | 57.1 | X | 0.0 | 64.7 | X | 0.0 | 25.4 | X |
| Other | 96.7 | 43.2 | 100.0 | 96.7 | 38.5 | 100.0 | 0.0 | 22.5 | 0.0 |
| Main Equipment Replaced Since 1990 (more than one may apply) | | | | | | | | | |
| Heating | 14.2 | 15.3 | 32.7 | 14.6 | 18.4 | 8.2 | 7.4 | 11.7 | 23.7 |
| Cooling | 18.5 | 21.4 | 27.3 | 26.0 | 14.1 | 14.7 | 12.9 | 11.4 | 15.0 |
| Water Heating Equipment | | | | | | | | | |
| Centralized System | 6.7 | 10.2 | 13.4 | 11.6 | 7.9 | 15.2 | 7.9 | 7.2 | 12.1 |
| Distributed System | 17.1 | 12.4 | 30.9 | 14.9 | 10.0 | 31.5 | 10.7 | 5.7 | 5.4 |
| Combination of Centralized and Distributed System | 16.7 | 16.8 | 37.8 | 20.5 | 12.0 | 31.1 | 11.3 | 12.4 | 7.5 |

RSEs for Table C18. Electricity Consumption and Conditional Energy Intensity by Census Division for Non-Mall Buildings, 2003: Part 2

| | RSEs for Total Electricity Consumption | | | RSEs for Total Floorspace of Buildings Using Electricity | | | RSEs for Electricity Energy Intensity | | |
|--|--|----------------|--------------------|--|----------------|--------------------|---------------------------------------|----------------|--------------------|
| | West North Central | South Atlantic | East South Central | West North Central | South Atlantic | East South Central | West North Central | South Atlantic | East South Central |
| All Buildings* | 10.7 | 7.7 | 11.4 | 13.3 | 5.2 | 7.3 | 4.5 | 5.2 | 9.3 |
| Lighting Equipment Types (more than one may apply) | | | | | | | | | |
| Incandescent | 8.7 | 11.6 | 22.0 | 10.6 | 9.6 | 12.5 | 4.6 | 8.3 | 11.8 |
| Standard Fluorescent | 10.9 | 7.9 | 13.0 | 14.0 | 4.8 | 8.9 | 5.0 | 5.1 | 9.3 |
| Compact Fluorescent | 6.6 | 14.0 | 17.3 | 13.0 | 12.5 | 20.6 | 8.8 | 8.4 | 3.4 |
| High Intensity Discharge | 28.2 | 14.9 | 28.2 | 27.5 | 13.6 | 30.6 | 16.6 | 10.8 | 13.1 |
| Halogen | 29.2 | 17.2 | 31.5 | 27.6 | 11.1 | 30.1 | 4.2 | 11.3 | 7.7 |
| Other | 0.0 | 100.3 | 63.0 | 0.0 | 100.3 | 65.3 | 0.0 | 0.0 | 13.8 |
| Refrigeration Equipment (more than one may apply)^a | | | | | | | | | |
| Any Refrigeration..... | 8.6 | 7.7 | 11.8 | 13.9 | 4.9 | 9.3 | 7.4 | 5.1 | 7.0 |
| Commercial Refrigeration | 15.1 | 13.4 | 14.8 | 16.7 | 11.2 | 9.3 | 9.0 | 7.2 | 7.7 |
| Walk-In Units | 15.2 | 14.1 | 14.9 | 19.8 | 12.2 | 9.5 | 15.1 | 8.6 | 12.7 |
| Cases or Cabinets | 23.6 | 13.8 | 12.8 | 22.5 | 10.9 | 10.3 | 7.0 | 9.4 | 9.1 |
| Residential-Type Units | 7.9 | 14.2 | 14.7 | 11.6 | 10.3 | 11.7 | 8.2 | 8.6 | 8.8 |
| Vending Machines | 8.1 | 9.3 | 14.2 | 14.5 | 6.4 | 12.9 | 9.0 | 5.0 | 8.8 |
| No Refrigeration | 48.6 | 26.8 | 85.1 | 15.1 | 21.7 | 47.6 | 45.6 | 11.8 | 66.3 |
| Office Equipment (more than one may apply) | | | | | | | | | |
| Computers | 10.5 | 8.4 | 12.8 | 13.9 | 5.4 | 10.4 | 5.1 | 4.4 | 6.3 |
| With Flat Screen Monitors | 20.9 | 14.6 | 18.9 | 25.1 | 13.0 | 18.7 | 7.9 | 5.1 | 5.3 |
| Dedicated Servers | 13.0 | 10.5 | 22.4 | 14.7 | 8.7 | 22.5 | 5.1 | 4.7 | 5.7 |
| Laser Printers | 9.8 | 10.2 | 18.5 | 12.4 | 9.1 | 15.0 | 8.7 | 6.0 | 13.5 |
| Inkjet Printers | 21.4 | 13.9 | 22.1 | 22.9 | 8.9 | 14.1 | 3.6 | 6.7 | 9.6 |
| FAX Machines | 10.4 | 8.4 | 13.9 | 15.0 | 5.6 | 10.6 | 6.1 | 5.3 | 8.8 |
| Photocopiers | 10.4 | 9.0 | 13.7 | 12.5 | 6.4 | 10.6 | 6.1 | 4.8 | 9.4 |
| Number of Computers | | | | | | | | | |
| None | 14.6 | 23.3 | 35.3 | 11.1 | 27.7 | 41.0 | 13.4 | 13.3 | 30.8 |
| 1 to 4 | 21.0 | 20.8 | 15.4 | 12.7 | 12.0 | 9.9 | 11.6 | 19.5 | 9.2 |
| 5 to 9 | 21.4 | 18.0 | 16.1 | 19.2 | 10.7 | 22.8 | 12.7 | 14.7 | 15.2 |
| 10 to 19 | 35.6 | 21.4 | 39.4 | 38.0 | 22.4 | 37.8 | 20.3 | 10.6 | 23.6 |
| 20 to 49 | 31.8 | 26.3 | 29.3 | 31.2 | 20.2 | 21.8 | 21.0 | 10.2 | 9.1 |
| 50 to 99 | 48.8 | 20.2 | 40.1 | 42.4 | 21.9 | 38.4 | 13.5 | 10.0 | 15.1 |
| 100 to 249 | 18.6 | 11.7 | 29.2 | 25.5 | 13.5 | 33.8 | 24.3 | 8.7 | 9.6 |
| 250 or More | 15.0 | 23.9 | 42.1 | 20.0 | 23.3 | 49.7 | 9.7 | 10.0 | 8.3 |
| Number of Dedicated Servers | | | | | | | | | |
| None | 14.6 | 12.6 | 15.4 | 14.1 | 7.5 | 16.6 | 11.7 | 12.0 | 12.5 |
| 1 to 4 | 12.6 | 14.1 | 21.3 | 13.8 | 10.3 | 21.3 | 5.9 | 8.2 | 8.8 |
| 5 to 9 | 31.3 | 45.3 | 45.1 | 35.3 | 35.2 | 53.2 | 15.4 | 14.6 | 17.3 |
| 10 to 19 | 37.9 | 29.1 | 60.4 | 44.6 | 28.0 | 58.0 | 25.2 | 16.4 | 14.3 |
| 20 to 49 | 52.7 | 29.6 | 38.3 | 62.3 | 36.9 | 45.1 | 37.8 | 12.2 | 10.7 |
| 50 or More | 72.7 | 51.2 | 22.7 | 73.4 | 66.5 | 36.8 | 35.0 | 11.9 | 23.3 |
| Number of Photocopiers | | | | | | | | | |
| None | 18.3 | 19.2 | 17.7 | 16.1 | 19.7 | 8.2 | 8.5 | 11.3 | 20.5 |
| One | 9.4 | 21.4 | 8.1 | 7.0 | 15.5 | 14.1 | 8.7 | 7.9 | 9.4 |
| 2 to 4 | 17.1 | 19.2 | 26.7 | 20.6 | 16.9 | 25.2 | 10.6 | 9.5 | 11.3 |
| 5 to 9 | 30.3 | 28.8 | 58.9 | 16.8 | 22.0 | 46.6 | 24.8 | 7.6 | 9.3 |
| 10 or More | 27.1 | 29.2 | 39.6 | 30.5 | 28.7 | 46.0 | 11.3 | 12.2 | 7.7 |

RSEs for Table C18. Electricity Consumption and Conditional Energy Intensity by Census Division for Non-Mall Buildings, 2003: Part 2

| | RSEs for Total Electricity Consumption | | | RSEs for Total Floorspace of Buildings Using Electricity | | | RSEs for Electricity Energy Intensity | | |
|--|--|----------------|--------------------|--|----------------|--------------------|---------------------------------------|----------------|--------------------|
| | West North Central | South Atlantic | East South Central | West North Central | South Atlantic | East South Central | West North Central | South Atlantic | East South Central |
| All Buildings* | 10.7 | 7.7 | 11.4 | 13.3 | 5.2 | 7.3 | 4.5 | 5.2 | 9.3 |
| Energy-Related Space Functions (more than one may apply) | | | | | | | | | |
| Commercial Food Preparation | 12.6 | 16.4 | 10.5 | 15.7 | 13.1 | 10.5 | 9.1 | 6.9 | 9.3 |
| Activities with Large Amounts of Hot Water | 7.2 | 18.1 | 6.6 | 11.5 | 11.5 | 5.0 | 8.4 | 8.7 | 7.7 |
| Separate Computer Area | 11.2 | 16.1 | 11.1 | 13.2 | 12.2 | 15.0 | 9.8 | 6.1 | 7.4 |
| HVAC Conservation Features (more than one may apply) | | | | | | | | | |
| Variable Air-Volume System | 35.2 | 14.3 | 32.2 | 32.7 | 11.2 | 28.0 | 11.3 | 6.1 | 8.1 |
| Economizer Cycle | 12.5 | 14.2 | 18.3 | 19.0 | 11.5 | 27.3 | 9.0 | 6.0 | 10.0 |
| HVAC Maintenance | 8.4 | 8.8 | 17.0 | 14.6 | 6.9 | 11.3 | 8.4 | 5.7 | 6.8 |
| Energy Management and Control System (EMCS) | 23.4 | 15.9 | 35.5 | 29.8 | 15.2 | 23.7 | 14.7 | 7.7 | 10.7 |
| Window and Interior Lighting Features (more than one may apply) | | | | | | | | | |
| Multipaned Windows | 15.2 | 8.2 | 18.2 | 17.8 | 4.6 | 14.4 | 6.5 | 6.8 | 4.2 |
| Tinted Window Glass | 15.2 | 12.1 | 32.4 | 15.4 | 9.0 | 18.6 | 9.9 | 5.7 | 14.2 |
| Reflective Window Glass | 17.1 | 27.5 | 17.0 | 20.0 | 14.6 | 27.4 | 13.6 | 19.7 | 22.8 |
| External Overhangs or Awnings | 10.9 | 23.9 | 25.0 | 13.3 | 16.4 | 17.1 | 11.4 | 13.1 | 17.9 |
| Skylights or Atriums | 17.0 | 20.9 | 30.6 | 27.0 | 17.4 | 36.6 | 23.3 | 7.6 | 15.3 |
| Daylighting Sensors | 21.8 | 30.2 | 41.6 | 27.0 | 32.1 | 44.4 | 27.9 | 14.8 | 7.4 |
| Specular Reflectors | 15.4 | 14.9 | 31.0 | 21.9 | 11.0 | 23.1 | 9.4 | 7.7 | 11.5 |
| Electronic Ballasts | 9.7 | 10.1 | 10.4 | 13.8 | 6.2 | 5.8 | 5.8 | 6.2 | 10.7 |
| Energy Management and Control System (EMCS) For Lighting | 28.3 | 25.6 | 94.1 | 34.1 | 28.5 | 91.3 | 24.9 | 12.7 | 3.2 |
| Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^a | | | | | | | | | |
| Heating | 17.1 | 8.8 | 11.3 | 16.9 | 6.2 | 13.7 | 9.9 | 3.8 | 10.6 |
| Cooling | 16.9 | 9.4 | 12.4 | 15.6 | 7.2 | 12.4 | 10.0 | 3.6 | 8.6 |
| Lighting | 14.0 | 7.8 | 18.7 | 15.5 | 5.5 | 13.4 | 6.8 | 6.8 | 11.3 |
| Office Equipment | 18.0 | 19.3 | 25.7 | 10.8 | 12.0 | 19.0 | 10.1 | 10.7 | 11.0 |
| Annual Consumption (kilowatthours) | | | | | | | | | |
| 10,000 or Less | 14.3 | 40.5 | 40.3 | 8.8 | 42.7 | 48.9 | 18.0 | 16.3 | 14.9 |
| 10,001 to 50,000 | 19.4 | 19.7 | 13.7 | 14.0 | 25.4 | 18.9 | 9.4 | 8.8 | 12.9 |
| 50,001 to 100,000 | 27.3 | 15.6 | 15.1 | 26.5 | 13.6 | 14.7 | 27.5 | 11.9 | 24.9 |
| 100,001 to 500,000 | 7.6 | 7.8 | 15.7 | 17.4 | 16.5 | 14.9 | 14.4 | 16.2 | 10.5 |
| 500,001 to 1,000,000 | 23.9 | 17.3 | 32.0 | 17.4 | 16.0 | 16.3 | 19.2 | 9.2 | 32.3 |
| 1,000,001 to 5,000,000 | 12.8 | 14.5 | 35.3 | 17.4 | 10.3 | 28.4 | 10.2 | 6.9 | 6.1 |
| Over 5,000,000 | 41.8 | 27.7 | 23.5 | 45.0 | 30.2 | 28.9 | 9.3 | 11.6 | 6.2 |

RSEs for Table C18. Electricity Consumption and Conditional Energy Intensity by Census Division for Non-Mall Buildings, 2003: Part 2

| | RSEs for Total Electricity Consumption | | | RSEs for Total Floorspace of Buildings Using Electricity | | | RSEs for Electricity Energy Intensity | | |
|--|--|-------------------|--------------------------|--|-------------------|--------------------------|---------------------------------------|-------------------|--------------------------|
| | West North Central | South Atlantic | East South Central | West North Central | South Atlantic | East South Central | West North Central | South Atlantic | East South Central |
| All Buildings* | 10.7 | 7.7 | 11.4 | 13.3 | 5.2 | 7.3 | 4.5 | 5.2 | 9.3 |
| Provider of Purchased Electricity (more than one may apply) | | | | | | | | | |
| Local Utility | 10.5 | 7.8 | 12.8 | 13.7 | 4.4 | 7.9 | 4.9 | 6.5 | 10.0 |
| Some Other Provider | 63.2 | 77.1 | 100.4 | 43.1 | 72.8 | 100.4 | 33.0 | 21.3 | 0.1 |

X=No cases in the responding sample reported their consumption for the particular fuel, so relative standard error could not be calculated.

RSEs for Table C19. Electricity Consumption and Conditional Energy Intensity by Census Division for Non-Mall Buildings, 2003: Part 3

| | RSEs for Total Electricity Consumption | | | RSEs for Total Floorspace of Buildings Using Electricity | | | RSEs for Electricity Energy Intensity | | |
|--|--|---------------|---------|--|---------------|---------|---------------------------------------|---------------|---------|
| | West South Central | Mount- ain | Pacific | West South Central | Mount- ain | Pacific | West South Central | Mount- ain | Pacific |
| All Buildings* | 12.9 | 17.7 | 8.7 | 12.3 | 7.7 | 4.9 | 8.3 | 12.9 | 5.9 |
| Building Floorspace (Square Feet) | | | | | | | | | |
| 1,001 to 5,000 | 20.9 | 21.4 | 15.0 | 14.1 | 30.2 | 12.0 | 17.5 | 22.9 | 13.7 |
| 5,001 to 10,000 | 23.4 | 30.1 | 38.2 | 21.6 | 30.9 | 12.8 | 9.6 | 11.9 | 37.5 |
| 10,001 to 25,000 | 17.4 | 9.2 | 15.6 | 17.5 | 13.9 | 16.8 | 21.9 | 16.7 | 15.3 |
| 25,001 to 50,000 | 46.3 | 21.9 | 21.6 | 26.0 | 23.6 | 13.1 | 41.5 | 14.5 | 12.9 |
| 50,001 to 100,000 | 16.8 | 12.3 | 28.0 | 11.1 | 17.2 | 26.4 | 8.4 | 23.9 | 12.3 |
| 100,001 to 200,000 | 30.1 | 21.3 | 10.6 | 21.2 | 18.2 | 17.6 | 20.8 | 4.1 | 11.5 |
| 200,001 to 500,000 | 28.5 | 40.6 | 12.3 | 23.2 | 51.4 | 12.1 | 14.8 | 32.2 | 11.7 |
| Over 500,000 | 37.4 | 68.1 | 41.6 | 50.4 | 69.7 | 44.5 | 12.1 | 56.0 | 12.4 |
| Principal Building Activity | | | | | | | | | |
| Education | 19.2 | 12.5 | 20.3 | 21.2 | 16.8 | 12.6 | 7.0 | 11.2 | 19.6 |
| Food Sales | 63.1 | 52.1 | 62.3 | 59.7 | 61.2 | 60.0 | 12.6 | 92.5 | 10.5 |
| Food Service | 32.8 | 51.9 | 39.9 | 36.7 | 60.4 | 34.1 | 14.3 | 16.7 | 15.4 |
| Health Care | 35.4 | 18.3 | 20.9 | 31.7 | 14.9 | 24.4 | 10.5 | 11.9 | 8.6 |
| Inpatient | 40.8 | 15.5 | 25.9 | 35.6 | 13.6 | 33.7 | 10.6 | 5.5 | 13.1 |
| Outpatient | 74.8 | 33.6 | 25.7 | 69.2 | 21.8 | 24.6 | 11.1 | 26.5 | 13.3 |
| Lodging | 42.9 | 71.5 | 26.9 | 38.6 | 31.4 | 19.5 | 14.6 | 63.3 | 16.1 |
| Retail (Other Than Mall)..... | 46.9 | 53.8 | 25.4 | 29.4 | 24.4 | 21.4 | 31.6 | 27.7 | 7.0 |
| Office | 27.0 | 18.5 | 18.2 | 30.9 | 18.1 | 19.4 | 10.0 | 9.4 | 7.3 |
| Public Assembly | 36.3 | 42.8 | 62.6 | 46.6 | 21.6 | 23.9 | 30.4 | 32.1 | 58.8 |
| Public Order and Safety | 100.4 | 24.9 | 57.5 | 100.4 | 37.1 | 48.3 | 0.0 | 16.7 | 16.2 |
| Religious Worship | 25.0 | 49.8 | 36.7 | 26.5 | 32.3 | 11.5 | 12.2 | 39.0 | 35.2 |
| Service | 50.3 | 52.6 | 20.0 | 57.4 | 44.2 | 16.9 | 21.4 | 14.4 | 28.3 |
| Warehouse and Storage | 33.6 | 70.5 | 36.9 | 38.0 | 53.2 | 26.8 | 22.6 | 49.4 | 10.5 |
| Other | 87.0 | 64.3 | 60.5 | 33.5 | 51.7 | 53.5 | 55.8 | 27.3 | 15.7 |
| Vacant | 99.3 | 91.0 | 66.9 | 73.7 | 60.2 | 61.1 | 42.1 | 89.3 | 57.7 |
| Year Constructed | | | | | | | | | |
| Before 1920 | 89.3 | 31.7 | 58.4 | 80.3 | 39.3 | 35.9 | 6.4 | 36.7 | 41.9 |
| 1920 to 1945 | 49.2 | 23.9 | 21.4 | 44.4 | 23.5 | 27.7 | 32.8 | 1.3 | 17.0 |
| 1946 to 1959 | 21.7 | 43.2 | 25.6 | 30.2 | 44.3 | 19.2 | 20.7 | 17.3 | 17.6 |
| 1960 to 1969 | 34.3 | 28.7 | 25.1 | 29.6 | 32.0 | 18.4 | 17.1 | 35.5 | 11.5 |
| 1970 to 1979 | 27.8 | 32.9 | 20.9 | 16.0 | 29.2 | 24.7 | 17.9 | 10.4 | 6.2 |
| 1980 to 1989 | 18.3 | 46.9 | 20.5 | 22.5 | 29.0 | 16.7 | 12.2 | 37.6 | 10.2 |
| 1990 to 1999 | 20.1 | 22.8 | 27.4 | 22.5 | 25.5 | 14.7 | 12.1 | 15.9 | 23.2 |
| 2000 to 2003 | 27.4 | 21.0 | 34.5 | 20.0 | 31.9 | 26.7 | 27.1 | 33.7 | 22.6 |
| Climate Zone: 30-Year Average | | | | | | | | | |
| Under 2,000 CDD and -- | | | | | | | | | |
| More than 7,000 HDD | 0.0 | 18.7 | 90.7 | 0.0 | 12.4 | 89.1 | 0.0 | 8.7 | 4.6 |
| 5,500-7,000 HDD | 0.0 | 48.2 | 62.0 | 0.0 | 16.7 | 50.2 | 0.0 | 41.3 | 23.6 |
| 4,000-5,499 HDD | 96.3 | 0.0 | 55.8 | 96.4 | 0.0 | 46.6 | 0.9 | 0.0 | 17.8 |
| Fewer than 4,000 HDD | 8.7 | 0.0 | 15.0 | 28.1 | 0.0 | 10.2 | 26.2 | 0.0 | 8.5 |
| 2,000 CDD or More and -- | | | | | | | | | |
| Fewer than 4,000 HDD | 16.4 | 34.8 | 84.6 | 15.2 | 32.2 | 95.0 | 7.4 | 14.6 | 221.8 |
| Number of Floors | | | | | | | | | |
| One | 17.6 | 17.3 | 10.9 | 12.5 | 12.9 | 9.7 | 16.0 | 9.4 | 4.1 |
| Two | 21.7 | 22.6 | 22.5 | 15.1 | 13.4 | 12.4 | 11.9 | 15.7 | 18.3 |
| Three | 37.3 | 32.0 | 13.9 | 34.2 | 24.4 | 11.7 | 18.1 | 18.9 | 15.2 |
| Four to Nine | 20.5 | 21.3 | 21.3 | 13.0 | 27.4 | 19.8 | 13.5 | 17.4 | 9.4 |
| Ten or More | 33.2 | 74.4 | 45.3 | 43.7 | 66.1 | 50.6 | 11.0 | 50.7 | 13.5 |

RSEs for Table C19. Electricity Consumption and Conditional Energy Intensity by Census Division for Non-Mall Buildings, 2003: Part 3

| | RSEs for Total Electricity Consumption | | | RSEs for Total Floorspace of Buildings Using Electricity | | | RSEs for Electricity Energy Intensity | | |
|---|--|---------------|---------|--|---------------|---------|---------------------------------------|---------------|---------|
| | West South Central | Mount- ain | Pacific | West South Central | Mount- ain | Pacific | West South Central | Mount- ain | Pacific |
| All Buildings* | 12.9 | 17.7 | 8.7 | 12.3 | 7.7 | 4.9 | 8.3 | 12.9 | 5.9 |
| Elevators and Escalators (more than one may apply) | | | | | | | | | |
| Any Elevators | 22.9 | 35.0 | 16.8 | 25.6 | 25.2 | 14.5 | 5.7 | 13.4 | 7.2 |
| Number of Elevators | | | | | | | | | |
| One | 27.2 | 26.4 | 26.3 | 26.9 | 31.7 | 26.8 | 11.1 | 30.1 | 16.1 |
| Two to Five | 29.1 | 25.4 | 21.9 | 25.9 | 17.5 | 16.6 | 8.2 | 10.9 | 12.7 |
| Six or More | 31.2 | 68.1 | 36.9 | 40.6 | 60.2 | 41.4 | 11.2 | 41.6 | 12.6 |
| Any Escalators | 34.7 | 99.1 | 44.9 | 43.9 | 97.8 | 46.5 | 8.6 | 49.6 | 20.8 |
| Number of Workers (main shift) | | | | | | | | | |
| Fewer than 5 | 25.9 | 23.5 | 21.8 | 18.9 | 26.0 | 13.5 | 22.9 | 27.7 | 18.5 |
| 5 to 9 | 29.1 | 23.8 | 10.8 | 28.2 | 30.3 | 17.6 | 16.9 | 14.7 | 11.9 |
| 10 to 19 | 24.4 | 26.2 | 34.2 | 18.6 | 18.6 | 19.1 | 40.2 | 30.0 | 18.6 |
| 20 to 49 | 21.2 | 26.5 | 24.1 | 16.0 | 26.1 | 24.6 | 14.6 | 14.5 | 12.5 |
| 50 to 99 | 18.3 | 24.1 | 12.8 | 13.0 | 28.5 | 14.1 | 12.7 | 10.6 | 6.5 |
| 100 to 249 | 18.5 | 18.5 | 24.7 | 12.8 | 18.1 | 25.6 | 16.4 | 19.0 | 21.0 |
| 250 or More | 28.6 | 57.6 | 23.3 | 36.1 | 58.0 | 24.6 | 7.5 | 32.2 | 6.9 |
| Weekly Operating Hours | | | | | | | | | |
| Fewer than 40 | 44.9 | 38.4 | 41.5 | 32.5 | 20.4 | 23.9 | 26.8 | 42.2 | 21.6 |
| 40 to 48 | 18.6 | 16.0 | 26.9 | 18.0 | 15.4 | 15.9 | 11.8 | 10.7 | 16.9 |
| 49 to 60 | 22.7 | 17.9 | 13.9 | 19.2 | 22.6 | 15.8 | 17.1 | 14.2 | 5.7 |
| 61 to 84 | 28.6 | 16.5 | 15.7 | 22.7 | 20.7 | 16.4 | 7.9 | 14.3 | 11.5 |
| 85 to 167 | 17.2 | 14.9 | 12.0 | 24.8 | 23.7 | 10.3 | 19.6 | 30.6 | 10.7 |
| Open Continuously | 32.9 | 38.2 | 24.7 | 31.7 | 20.6 | 17.7 | 10.3 | 22.5 | 16.7 |
| Ownership and Occupancy | | | | | | | | | |
| Nongovernment Owned | 15.8 | 25.1 | 11.9 | 15.7 | 13.4 | 6.9 | 10.1 | 15.0 | 6.8 |
| Owner Occupied | 19.5 | 31.3 | 18.5 | 22.5 | 23.1 | 12.3 | 10.7 | 10.4 | 13.3 |
| Nonowner Occupied | 24.2 | 34.4 | 14.1 | 15.3 | 19.6 | 11.9 | 12.5 | 19.1 | 8.9 |
| Unoccupied | 99.3 | 100.1 | 87.7 | 73.7 | 100.1 | 85.5 | 42.1 | 0.0 | 2.6 |
| Government Owned | 12.5 | 16.0 | 25.2 | 17.1 | 13.6 | 12.8 | 7.2 | 14.1 | 16.9 |
| Federal | 57.5 | 56.0 | 48.3 | 54.7 | 71.4 | 43.2 | 6.4 | 14.4 | 12.4 |
| State | 41.0 | 43.1 | 20.1 | 40.2 | 32.5 | 24.2 | 20.7 | 16.7 | 7.5 |
| Local | 12.6 | 15.4 | 35.9 | 17.2 | 12.6 | 14.6 | 8.2 | 20.7 | 26.8 |
| Vacancy Status | | | | | | | | | |
| Completely Vacant | 99.3 | 100.1 | 87.7 | 73.7 | 100.1 | 85.5 | 42.1 | 0.0 | 2.6 |
| Mostly Vacant | X | 93.4 | 73.0 | X | 73.4 | 72.6 | X | 82.1 | 4.0 |
| Partially Vacant | 25.7 | 49.7 | 26.1 | 29.1 | 32.2 | 27.6 | 7.6 | 27.8 | 6.5 |
| Not At All Vacant | 10.7 | 20.5 | 9.7 | 10.5 | 9.6 | 6.1 | 9.0 | 14.7 | 6.6 |
| Number of Establishments | | | | | | | | | |
| One | 13.5 | 19.2 | 12.7 | 13.2 | 5.5 | 6.8 | 7.8 | 16.2 | 8.3 |
| 2 to 5 | 17.7 | 27.4 | 29.0 | 18.5 | 31.3 | 22.3 | 14.8 | 9.3 | 9.1 |
| 6 to 10 | 60.3 | 34.6 | 30.7 | 44.8 | 19.3 | 33.1 | 35.5 | 25.8 | 16.2 |
| 11 to 20 | 59.4 | 60.8 | 35.4 | 49.6 | 41.8 | 36.6 | 16.9 | 39.9 | 12.1 |
| More than 20 | 27.9 | 100.3 | 51.2 | 33.1 | 100.3 | 47.8 | 6.9 | 1.1 | 9.4 |
| Currently Unoccupied | 99.3 | 100.1 | 87.7 | 73.7 | 100.1 | 85.5 | 42.1 | 0.0 | 2.6 |

RSEs for Table C19. Electricity Consumption and Conditional Energy Intensity by Census Division for Non-Mall Buildings, 2003: Part 3

| | RSEs for Total Electricity Consumption | | | RSEs for Total Floorspace of Buildings Using Electricity | | | RSEs for Electricity Energy Intensity | | |
|---|--|---------------|---------|--|---------------|---------|---------------------------------------|---------------|---------|
| | West South Central | Mount- ain | Pacific | West South Central | Mount- ain | Pacific | West South Central | Mount- ain | Pacific |
| All Buildings* | 12.9 | 17.7 | 8.7 | 12.3 | 7.7 | 4.9 | 8.3 | 12.9 | 5.9 |
| Predominant Exterior Wall Material | | | | | | | | | |
| Brick, Stone or Stucco | 14.7 | 6.2 | 11.1 | 14.1 | 15.0 | 12.5 | 8.2 | 14.3 | 5.4 |
| Concrete (Block or Poured) | 28.5 | 29.3 | 20.0 | 19.0 | 21.2 | 12.8 | 19.4 | 12.8 | 9.6 |
| Concrete Panels | 36.8 | 60.7 | 18.7 | 32.2 | 50.1 | 17.1 | 19.1 | 19.3 | 9.2 |
| Siding or Shingles | 33.7 | 67.3 | 47.7 | 17.5 | 64.8 | 31.8 | 35.8 | 9.3 | 52.1 |
| Metal Panels | 24.9 | 45.5 | 20.6 | 27.1 | 36.1 | 19.7 | 10.4 | 8.1 | 7.2 |
| Window Glass | 58.1 | 105.7 | 52.3 | 50.2 | 105.7 | 51.3 | 20.1 | 0.0 | 10.6 |
| Other | 61.4 | 95.1 | 51.9 | 69.5 | 95.1 | 53.6 | 13.7 | 0.0 | 23.7 |
| No One Major Type | 100.2 | 100.8 | 88.6 | 100.2 | 100.8 | 86.7 | 0.0 | 0.0 | 14.4 |
| Predominant Roof Material | | | | | | | | | |
| Built-Up | 19.8 | 33.9 | 11.3 | 20.1 | 12.8 | 9.5 | 8.8 | 25.4 | 6.7 |
| Shingles (Not Wood) | 26.8 | 31.0 | 25.8 | 26.3 | 11.4 | 5.0 | 10.5 | 27.9 | 25.1 |
| Metal Surfacing | 22.1 | 22.4 | 23.7 | 21.3 | 17.8 | 22.3 | 16.7 | 7.1 | 7.8 |
| Synthetic or Rubber | 22.5 | 15.5 | 15.8 | 23.9 | 20.5 | 18.2 | 8.7 | 9.2 | 15.0 |
| Slate or Tile | 43.4 | 47.0 | 23.0 | 39.2 | 19.6 | 33.6 | 30.9 | 40.1 | 25.8 |
| Wooden Materials | 43.6 | 71.0 | 63.4 | 44.7 | 56.4 | 47.6 | 32.2 | 35.7 | 27.6 |
| Concrete | 42.8 | 100.3 | 39.7 | 42.7 | 100.2 | 30.4 | 23.2 | 1.6 | 21.7 |
| Other | 78.8 | 96.5 | 46.4 | 78.0 | 78.6 | 53.2 | 51.3 | 86.3 | 21.5 |
| No One Major Type | 97.0 | 0.0 | 23.3 | 97.0 | 0.0 | 54.6 | 0.0 | 0.0 | 68.9 |
| Renovations in Buildings Constructed Before 1980 (more than one may apply) | | | | | | | | | |
| Any Type of Renovation | 14.7 | 21.6 | 19.5 | 12.4 | 8.7 | 20.7 | 12.5 | 16.0 | 10.1 |
| Since 1980 | 30.0 | 27.5 | 20.0 | 25.5 | 12.3 | 16.8 | 9.5 | 18.2 | 7.1 |
| Addition or Annex | 100.1 | 98.5 | 77.8 | 100.1 | 84.6 | 81.6 | 0.0 | 16.1 | 28.9 |
| Reduction In Floorspace | 21.6 | 33.3 | 18.6 | 23.0 | 17.3 | 20.4 | 17.4 | 18.6 | 10.0 |
| Cosmetic Improvements | 38.7 | 49.3 | 25.3 | 24.7 | 24.5 | 32.4 | 17.6 | 37.4 | 13.4 |
| Wall or Roof Replacement | 15.6 | 26.1 | 24.9 | 18.4 | 15.8 | 26.7 | 18.0 | 13.2 | 7.9 |
| Interior Wall | | | | | | | | | |
| Re-Configuration | 15.9 | 26.0 | 29.8 | 21.7 | 14.6 | 28.9 | 14.7 | 14.1 | 6.7 |
| HVAC Equipment Upgrade | 19.9 | 29.5 | 23.0 | 21.5 | 18.8 | 26.1 | 20.1 | 18.8 | 8.4 |
| Lighting Upgrade | 26.5 | 29.1 | 30.1 | 34.6 | 27.2 | 27.8 | 27.4 | 27.4 | 12.8 |
| Window Replacement | 27.8 | 35.4 | 32.6 | 30.7 | 24.0 | 30.9 | 21.9 | 18.7 | 13.0 |
| Plumbing System Upgrade | 30.5 | 23.3 | 44.5 | 30.1 | 30.5 | 35.0 | 10.0 | 11.3 | 19.8 |
| Insulation Upgrade | 0.0 | X | 55.6 | 0.0 | X | 48.8 | 0.0 | X | 30.1 |
| No Renovations Since 1980 | 25.1 | 12.8 | 16.6 | 21.0 | 18.3 | 12.4 | 21.1 | 10.3 | 5.9 |
| Building Newer than 1980 | 17.9 | 30.1 | 15.8 | 16.9 | 21.1 | 13.4 | 10.0 | 12.3 | 8.7 |
| Energy Sources (more than one may apply) | | | | | | | | | |
| Electricity | 12.9 | 17.7 | 8.7 | 12.3 | 7.7 | 4.9 | 8.3 | 12.9 | 5.9 |
| Natural Gas | 19.7 | 23.1 | 13.3 | 19.0 | 15.0 | 11.8 | 10.0 | 12.6 | 4.3 |
| Fuel Oil | 31.1 | 57.0 | 16.8 | 36.3 | 41.4 | 19.2 | 10.6 | 32.1 | 8.4 |
| District Heat | 37.6 | 58.0 | 32.2 | 65.4 | 48.4 | 28.6 | 23.3 | 25.4 | 7.9 |
| District Chilled Water | 31.8 | 46.7 | 34.4 | 48.5 | 51.6 | 30.7 | 19.1 | 17.1 | 16.9 |
| Propane | 45.0 | 54.2 | 40.9 | 40.6 | 43.0 | 24.1 | 23.3 | 19.2 | 29.4 |
| Other | 100.0 | 91.7 | 33.1 | 100.0 | 73.2 | 41.0 | 0.0 | 10.9 | 19.2 |

RSEs for Table C19. Electricity Consumption and Conditional Energy Intensity by Census Division for Non-Mall Buildings, 2003: Part 3

| | RSEs for Total Electricity Consumption | | | RSEs for Total Floorspace of Buildings Using Electricity | | | RSEs for Electricity Energy Intensity | | |
|--|--|---------------|---------|--|---------------|---------|---------------------------------------|---------------|---------|
| | West South Central | Mount- ain | Pacific | West South Central | Mount- ain | Pacific | West South Central | Mount- ain | Pacific |
| All Buildings* | 12.9 | 17.7 | 8.7 | 12.3 | 7.7 | 4.9 | 8.3 | 12.9 | 5.9 |
| Space-Heating Energy Sources | | | | | | | | | |
| Electricity | 14.6 | 33.2 | 12.0 | 13.2 | 22.7 | 10.2 | 9.6 | 14.6 | 7.1 |
| Electricity Main | 14.3 | 28.2 | 22.1 | 15.3 | 24.5 | 18.0 | 8.5 | 15.7 | 8.6 |
| Electricity Secondary | 19.5 | 55.1 | 23.1 | 17.8 | 29.3 | 23.9 | 20.8 | 36.5 | 8.6 |
| Other Excluding Electricity | 17.0 | 11.4 | 14.2 | 18.9 | 14.2 | 12.7 | 8.8 | 10.4 | 10.7 |
| Buildings without Heating | 53.9 | 68.9 | 38.7 | 36.5 | 65.8 | 26.3 | 55.1 | 56.4 | 15.7 |
| Primary Space-Heating Energy Source | | | | | | | | | |
| Electricity | 14.3 | 28.2 | 22.1 | 15.3 | 24.5 | 18.0 | 8.5 | 15.7 | 8.6 |
| Natural Gas | 16.2 | 23.9 | 16.8 | 15.1 | 14.1 | 15.3 | 11.1 | 16.3 | 4.8 |
| Fuel Oil | 0.0 | 71.0 | 72.3 | 0.0 | 69.6 | 85.8 | 0.0 | 6.4 | 159.6 |
| District Heat | 39.7 | 41.7 | 31.1 | 66.9 | 34.5 | 28.8 | 22.3 | 25.8 | 8.0 |
| Propane | 63.1 | 37.9 | 87.1 | 65.0 | 52.2 | 60.9 | 21.5 | 17.1 | 109.6 |
| Other | 0.0 | 100.1 | 41.2 | 0.0 | 100.1 | 55.0 | 0.0 | 1.5 | 47.4 |
| Cooling Energy Sources | | | | | | | | | |
| Electricity | 12.9 | 20.5 | 9.7 | 10.6 | 14.0 | 5.4 | 7.5 | 10.8 | 6.8 |
| Other Excluding Electricity | 36.6 | 55.4 | 29.9 | 53.5 | 58.5 | 29.8 | 18.4 | 30.9 | 21.1 |
| Buildings without Cooling | 23.8 | 47.6 | 20.7 | 48.4 | 46.4 | 16.9 | 31.1 | 19.8 | 14.9 |
| Water-Heating Energy Sources | | | | | | | | | |
| Electricity | 12.3 | 18.0 | 13.9 | 15.7 | 15.2 | 12.7 | 7.8 | 7.2 | 7.4 |
| Other Excluding Electricity | 17.8 | 21.2 | 19.5 | 16.9 | 9.4 | 15.3 | 9.1 | 20.2 | 11.9 |
| Bldgs without Water Heating | 23.2 | 28.3 | 26.5 | 23.8 | 20.0 | 13.5 | 29.7 | 18.0 | 22.2 |
| Cooking Energy Sources | | | | | | | | | |
| Electricity | 19.0 | 45.8 | 18.0 | 22.7 | 26.3 | 17.3 | 8.2 | 26.6 | 8.6 |
| Other Excluding Electricity | 23.4 | 37.7 | 33.4 | 25.5 | 37.6 | 19.4 | 11.2 | 11.3 | 23.3 |
| Buildings without Cooking | 11.7 | 20.6 | 8.2 | 13.6 | 11.7 | 5.0 | 12.7 | 12.6 | 6.5 |
| Energy End Uses (more than one may apply) | | | | | | | | | |
| Buildings with Space Heating | 12.8 | 17.8 | 9.1 | 12.2 | 7.9 | 4.6 | 6.9 | 13.0 | 7.1 |
| Buildings with Cooling | 13.0 | 19.9 | 9.3 | 12.1 | 12.9 | 5.4 | 6.6 | 10.7 | 6.4 |
| Buildings with Water Heating | 13.2 | 18.1 | 10.2 | 12.7 | 8.3 | 5.9 | 5.8 | 13.3 | 7.2 |
| Buildings with Cooking | 15.9 | 29.4 | 20.1 | 19.4 | 18.0 | 14.6 | 6.8 | 18.6 | 12.7 |
| Buildings with Manufacturing | 54.1 | 64.0 | 46.7 | 68.3 | 63.6 | 40.0 | 28.1 | 13.1 | 13.1 |
| Buildings with Electricity Generation | 27.0 | 47.6 | 16.3 | 29.9 | 34.4 | 18.4 | 10.1 | 25.9 | 8.3 |
| Percent of Floorspace Heated | | | | | | | | | |
| Not Heated | 53.9 | 68.9 | 38.7 | 36.5 | 65.8 | 26.3 | 55.1 | 56.4 | 15.7 |
| 1 to 50 | 37.8 | 33.9 | 25.5 | 27.7 | 36.8 | 19.6 | 23.4 | 13.5 | 11.7 |
| 51 to 99 | 25.5 | 41.0 | 17.9 | 18.3 | 42.1 | 15.1 | 21.4 | 9.6 | 8.4 |
| 100 | 17.0 | 23.8 | 12.6 | 16.4 | 11.4 | 6.2 | 4.0 | 18.3 | 8.9 |
| Percent of Floorspace Cooled | | | | | | | | | |
| Not Cooled | 23.8 | 47.6 | 20.7 | 48.4 | 46.4 | 16.9 | 31.1 | 19.8 | 14.9 |
| 1 to 50 | 23.3 | 49.0 | 20.1 | 30.7 | 35.9 | 15.0 | 20.4 | 22.0 | 9.6 |
| 51 to 99 | 20.6 | 17.0 | 20.0 | 18.5 | 10.4 | 19.9 | 12.6 | 8.5 | 7.0 |
| 100 | 18.4 | 32.3 | 14.6 | 20.1 | 19.7 | 8.3 | 5.8 | 22.4 | 10.9 |

RSEs for Table C19. Electricity Consumption and Conditional Energy Intensity by Census Division for Non-Mall Buildings, 2003: Part 3

| | RSEs for Total Electricity Consumption | | | RSEs for Total Floorspace of Buildings Using Electricity | | | RSEs for Electricity Energy Intensity | | |
|---|--|---------------|---------|--|---------------|---------|---------------------------------------|---------------|---------|
| | West South Central | Mount- ain | Pacific | West South Central | Mount- ain | Pacific | West South Central | Mount- ain | Pacific |
| All Buildings* | 12.9 | 17.7 | 8.7 | 12.3 | 7.7 | 4.9 | 8.3 | 12.9 | 5.9 |
| Percent Lit When Open | | | | | | | | | |
| Zero | 83.2 | X | 63.0 | 65.8 | X | 66.0 | 10.6 | X | 14.1 |
| 1 to 50 | 23.9 | 37.2 | 31.0 | 21.5 | 26.2 | 13.1 | 13.7 | 13.8 | 28.1 |
| 51 to 99 | 16.3 | 15.2 | 12.3 | 12.2 | 14.0 | 12.1 | 10.9 | 9.9 | 7.6 |
| 100 | 15.0 | 27.1 | 12.9 | 13.4 | 16.5 | 8.2 | 7.2 | 15.4 | 10.3 |
| Building Never Open/ Electricity Not Used | 99.3 | 71.6 | 87.4 | 73.7 | 55.9 | 69.2 | 42.1 | 61.6 | 88.4 |
| Percent Lit When Closed | | | | | | | | | |
| Zero | 7.5 | 17.2 | 21.2 | 14.5 | 14.7 | 11.8 | 14.6 | 12.1 | 14.1 |
| 1 to 50 | 10.9 | 13.1 | 7.4 | 12.4 | 9.5 | 8.7 | 8.9 | 11.2 | 8.9 |
| 51 to 100 | 26.2 | 65.4 | 33.5 | 21.6 | 51.6 | 22.5 | 13.7 | 40.4 | 21.2 |
| Building Never Closed/ Electricity Not Used | 32.9 | 38.2 | 24.7 | 31.7 | 20.6 | 17.7 | 10.3 | 22.5 | 16.7 |
| Heating Equipment (more than one may apply) | | | | | | | | | |
| Heat Pumps | 29.5 | 66.6 | 25.3 | 20.8 | 49.4 | 22.5 | 24.7 | 38.9 | 16.7 |
| Packaged Heat Pumps | 36.5 | 72.5 | 26.3 | 18.7 | 55.4 | 27.5 | 35.7 | 43.2 | 17.2 |
| Split-System Heat Pumps | 71.5 | 56.3 | 33.7 | 71.4 | 52.1 | 33.5 | 1.9 | 12.7 | 15.8 |
| Individual Room Heat Pumps | 39.6 | 39.9 | 31.4 | 33.1 | 40.0 | 31.0 | 32.6 | 18.8 | 22.2 |
| Furnaces | 22.6 | 15.3 | 21.4 | 16.3 | 6.8 | 18.3 | 18.0 | 11.4 | 6.3 |
| Individual Space Heaters | 31.9 | 22.7 | 25.3 | 30.3 | 8.6 | 21.1 | 14.4 | 15.9 | 13.1 |
| District Heat | 37.6 | 58.0 | 31.1 | 65.4 | 48.4 | 28.8 | 23.3 | 25.4 | 8.0 |
| Boilers | 25.9 | 33.2 | 13.9 | 24.3 | 20.2 | 15.6 | 6.8 | 22.6 | 7.1 |
| Packaged Heating Units | 16.8 | 19.2 | 17.1 | 16.1 | 22.3 | 10.6 | 16.0 | 16.5 | 12.6 |
| Other | 45.9 | 45.9 | 30.0 | 38.0 | 36.8 | 25.4 | 17.6 | 10.5 | 19.5 |
| Cooling Equipment (more than one may apply) | | | | | | | | | |
| Residential-Type Central | | | | | | | | | |
| Air Conditioners | 30.8 | 23.5 | 21.1 | 24.7 | 25.9 | 19.7 | 15.1 | 18.5 | 13.0 |
| Heat Pumps | 25.9 | 62.5 | 24.0 | 17.3 | 45.2 | 22.3 | 27.7 | 35.9 | 15.1 |
| Packaged Heat Pumps | 35.0 | 72.1 | 27.7 | 19.5 | 55.8 | 28.8 | 35.9 | 42.1 | 17.0 |
| Split-System Heat Pumps | 75.1 | 47.3 | 33.9 | 77.3 | 42.4 | 34.5 | 15.1 | 12.5 | 16.4 |
| Individual Room Heat Pumps | 39.6 | 43.9 | 30.6 | 33.1 | 38.4 | 34.7 | 32.6 | 18.2 | 19.3 |
| Individual Air Conditioners | 42.9 | 28.6 | 30.4 | 30.0 | 23.3 | 20.8 | 38.3 | 10.9 | 13.4 |
| District Chilled Water | 31.8 | 46.7 | 34.4 | 48.5 | 51.6 | 30.7 | 19.1 | 17.1 | 16.9 |
| Central Chillers | 18.7 | 49.5 | 25.3 | 19.0 | 39.0 | 29.9 | 3.1 | 26.5 | 14.2 |
| Packaged Air Conditioning | | | | | | | | | |
| Units | 13.7 | 15.0 | 14.4 | 14.0 | 13.5 | 6.1 | 15.0 | 11.4 | 10.9 |
| Swamp Coolers | 81.0 | 19.3 | 16.7 | 45.4 | 21.1 | 20.9 | 86.9 | 4.0 | 11.8 |
| Other | 21.4 | 49.5 | 53.1 | 62.5 | 58.2 | 32.5 | 26.1 | 14.3 | 26.7 |
| Main Equipment Replaced Since 1990 (more than one may apply) | | | | | | | | | |
| Heating | 7.4 | 39.5 | 27.6 | 24.1 | 18.9 | 19.5 | 19.5 | 28.5 | 16.9 |
| Cooling | 15.2 | 32.1 | 9.0 | 16.3 | 14.9 | 8.8 | 14.4 | 23.0 | 8.4 |
| Water Heating Equipment | | | | | | | | | |
| Centralized System | 21.2 | 12.3 | 14.9 | 18.6 | 11.8 | 9.8 | 8.4 | 6.5 | 8.8 |
| Distributed System | 24.1 | 23.1 | 26.0 | 18.3 | 18.1 | 17.8 | 11.1 | 12.6 | 14.6 |
| Combination of Centralized and Distributed System | 18.5 | 40.5 | 21.6 | 18.6 | 23.9 | 25.3 | 8.7 | 23.9 | 12.9 |

RSEs for Table C19. Electricity Consumption and Conditional Energy Intensity by Census Division for Non-Mall Buildings, 2003: Part 3

| | RSEs for Total Electricity Consumption | | | RSEs for Total Floorspace of Buildings Using Electricity | | | RSEs for Electricity Energy Intensity | | |
|--|--|---------------|---------|--|---------------|---------|---------------------------------------|---------------|---------|
| | West South Central | Mount- ain | Pacific | West South Central | Mount- ain | Pacific | West South Central | Mount- ain | Pacific |
| All Buildings* | 12.9 | 17.7 | 8.7 | 12.3 | 7.7 | 4.9 | 8.3 | 12.9 | 5.9 |
| Lighting Equipment Types (more than one may apply) | | | | | | | | | |
| Incandescent | 16.4 | 24.8 | 14.6 | 14.5 | 12.1 | 12.4 | 8.7 | 20.4 | 10.6 |
| Standard Fluorescent | 13.7 | 18.2 | 9.1 | 12.9 | 9.4 | 5.9 | 7.3 | 13.3 | 6.5 |
| Compact Fluorescent | 16.3 | 30.2 | 11.5 | 18.8 | 13.9 | 9.2 | 5.7 | 20.0 | 5.2 |
| High Intensity Discharge | 20.4 | 16.8 | 11.1 | 14.5 | 7.6 | 8.0 | 11.5 | 11.9 | 7.8 |
| Halogen | 16.8 | 30.5 | 17.1 | 16.1 | 25.7 | 17.6 | 8.0 | 13.0 | 9.2 |
| Other | 81.4 | 100.2 | 100.4 | 62.8 | 100.2 | 100.4 | 59.8 | 0.0 | 0.0 |
| Refrigeration Equipment (more than one may apply)^a | | | | | | | | | |
| Any Refrigeration..... | 13.9 | 21.5 | 9.5 | 13.2 | 11.0 | 6.0 | 6.7 | 12.6 | 6.4 |
| Commercial Refrigeration | 16.3 | 25.9 | 13.9 | 18.9 | 14.4 | 11.3 | 6.7 | 14.1 | 9.6 |
| Walk-In Units | 13.5 | 28.8 | 15.3 | 15.6 | 11.9 | 13.8 | 8.5 | 20.3 | 10.5 |
| Cases or Cabinets | 19.1 | 30.0 | 16.3 | 23.4 | 19.8 | 12.8 | 8.1 | 13.2 | 12.6 |
| Residential-Type Units | 13.5 | 14.0 | 10.8 | 13.3 | 9.2 | 8.2 | 8.3 | 6.2 | 5.6 |
| Vending Machines | 14.0 | 26.0 | 9.4 | 15.5 | 17.2 | 10.1 | 5.6 | 12.2 | 5.9 |
| No Refrigeration | 28.4 | 30.5 | 13.8 | 29.5 | 21.1 | 13.1 | 23.7 | 19.2 | 11.4 |
| Office Equipment (more than one may apply) | | | | | | | | | |
| Computers | 13.4 | 20.2 | 9.3 | 13.3 | 11.5 | 5.2 | 7.5 | 13.1 | 6.7 |
| With Flat Screen Monitors | 19.2 | 28.4 | 12.0 | 21.0 | 15.0 | 11.2 | 5.2 | 20.3 | 5.7 |
| Dedicated Servers | 17.6 | 26.1 | 11.0 | 17.9 | 18.3 | 6.6 | 9.3 | 12.9 | 7.8 |
| Laser Printers | 15.7 | 32.7 | 11.4 | 13.3 | 21.3 | 6.8 | 12.2 | 19.7 | 10.2 |
| Inkjet Printers | 20.5 | 24.4 | 11.5 | 21.0 | 23.1 | 10.3 | 7.7 | 6.6 | 5.4 |
| FAX Machines | 13.6 | 19.9 | 9.3 | 13.6 | 13.9 | 6.4 | 7.4 | 9.4 | 6.5 |
| Photocopiers | 12.6 | 22.5 | 11.3 | 11.6 | 17.3 | 6.6 | 5.8 | 11.1 | 7.4 |
| Number of Computers | | | | | | | | | |
| None | 31.5 | 26.1 | 24.8 | 23.9 | 35.1 | 25.6 | 32.5 | 14.9 | 26.9 |
| 1 to 4 | 17.4 | 17.0 | 22.7 | 15.4 | 26.3 | 13.5 | 24.2 | 25.8 | 11.0 |
| 5 to 9 | 24.6 | 23.1 | 23.7 | 23.7 | 16.5 | 19.1 | 17.4 | 14.4 | 17.9 |
| 10 to 19 | 42.4 | 21.5 | 15.7 | 29.9 | 30.5 | 13.3 | 42.8 | 19.7 | 10.5 |
| 20 to 49 | 19.2 | 33.2 | 25.3 | 15.0 | 22.5 | 19.6 | 19.4 | 20.9 | 23.8 |
| 50 to 99 | 32.4 | 19.9 | 18.1 | 30.7 | 27.9 | 23.2 | 7.6 | 17.0 | 18.0 |
| 100 to 249 | 22.4 | 45.9 | 20.4 | 17.6 | 25.9 | 21.6 | 13.6 | 27.9 | 8.2 |
| 250 or More | 24.7 | 58.1 | 20.8 | 31.3 | 44.7 | 22.5 | 7.4 | 35.6 | 8.6 |
| Number of Dedicated Servers | | | | | | | | | |
| None | 16.5 | 13.0 | 12.4 | 18.4 | 11.1 | 8.9 | 9.2 | 10.0 | 7.4 |
| 1 to 4 | 12.5 | 17.8 | 11.0 | 13.2 | 17.1 | 13.3 | 13.8 | 11.1 | 7.6 |
| 5 to 9 | 70.5 | 71.2 | 44.7 | 56.2 | 69.9 | 24.2 | 42.7 | 24.2 | 39.3 |
| 10 to 19 | 55.8 | 44.2 | 15.9 | 50.1 | 47.8 | 15.5 | 11.9 | 24.1 | 8.0 |
| 20 to 49 | 53.0 | 56.8 | 21.6 | 53.7 | 65.7 | 29.7 | 11.5 | 30.8 | 16.0 |
| 50 or More | 41.6 | 89.8 | 47.2 | 47.9 | 84.0 | 53.6 | 13.9 | 34.9 | 39.8 |
| Number of Photocopiers | | | | | | | | | |
| None | 20.7 | 15.6 | 17.1 | 25.4 | 26.1 | 13.9 | 22.8 | 18.0 | 6.9 |
| One | 14.6 | 14.4 | 15.7 | 13.9 | 23.9 | 17.5 | 12.6 | 17.1 | 12.9 |
| 2 to 4 | 18.6 | 19.4 | 17.1 | 10.3 | 15.7 | 13.1 | 16.7 | 12.8 | 10.1 |
| 5 to 9 | 23.6 | 45.8 | 29.8 | 21.4 | 48.8 | 31.0 | 12.1 | 43.4 | 28.4 |
| 10 or More | 23.6 | 47.8 | 20.0 | 31.1 | 35.0 | 21.8 | 8.9 | 22.1 | 4.7 |

RSEs for Table C19. Electricity Consumption and Conditional Energy Intensity by Census Division for Non-Mall Buildings, 2003: Part 3

| | RSEs for Total Electricity Consumption | | | RSEs for Total Floorspace of Buildings Using Electricity | | | RSEs for Electricity Energy Intensity | | |
|--|--|----------|---------|--|----------|---------|---------------------------------------|----------|---------|
| | West South Central | Mountain | Pacific | West South Central | Mountain | Pacific | West South Central | Mountain | Pacific |
| All Buildings* | 12.9 | 17.7 | 8.7 | 12.3 | 7.7 | 4.9 | 8.3 | 12.9 | 5.9 |
| Energy-Related Space Functions (more than one may apply) | | | | | | | | | |
| Commercial Food Preparation | 15.9 | 29.4 | 20.5 | 19.4 | 18.0 | 14.9 | 6.8 | 18.6 | 12.9 |
| Activities with Large Amounts of Hot Water | 16.7 | 25.7 | 19.5 | 18.7 | 6.2 | 11.4 | 12.0 | 22.5 | 12.4 |
| Separate Computer Area | 21.1 | 32.8 | 11.5 | 19.8 | 19.5 | 9.1 | 7.8 | 16.4 | 7.4 |
| HVAC Conservation Features (more than one may apply) | | | | | | | | | |
| Variable Air-Volume System | 22.9 | 37.7 | 16.9 | 25.8 | 18.7 | 13.0 | 7.5 | 23.1 | 7.6 |
| Economizer Cycle | 23.9 | 27.4 | 11.6 | 30.6 | 14.9 | 7.6 | 6.6 | 14.5 | 5.2 |
| HVAC Maintenance | 14.0 | 20.4 | 9.2 | 13.2 | 7.6 | 5.9 | 7.7 | 15.1 | 7.3 |
| Energy Management and Control System (EMCS) | 20.5 | 40.6 | 15.7 | 23.2 | 22.0 | 13.8 | 8.3 | 25.1 | 7.9 |
| Window and Interior Lighting Features (more than one may apply) | | | | | | | | | |
| Multipaned Windows | 14.3 | 21.3 | 9.4 | 11.8 | 11.6 | 8.0 | 8.7 | 14.0 | 5.3 |
| Tinted Window Glass | 17.3 | 27.1 | 9.9 | 15.1 | 17.8 | 6.2 | 11.2 | 12.4 | 6.8 |
| Reflective Window Glass | 18.1 | 16.3 | 14.3 | 15.1 | 11.5 | 14.3 | 7.4 | 11.3 | 5.0 |
| External Overhangs or Awnings | 11.5 | 27.9 | 19.9 | 12.4 | 9.6 | 15.0 | 12.5 | 23.9 | 10.8 |
| Skylights or Atriums | 16.0 | 40.1 | 19.3 | 16.3 | 24.0 | 16.5 | 10.3 | 21.4 | 10.5 |
| Daylighting Sensors | 25.4 | 81.5 | 37.3 | 31.1 | 66.4 | 29.0 | 29.3 | 48.7 | 29.0 |
| Specular Reflectors | 15.6 | 30.6 | 12.9 | 17.0 | 20.1 | 11.0 | 7.7 | 13.1 | 6.5 |
| Electronic Ballasts | 13.6 | 23.2 | 10.6 | 14.4 | 13.1 | 6.6 | 8.4 | 13.3 | 7.6 |
| Energy Management and Control System (EMCS) For Lighting | 36.9 | 30.1 | 26.4 | 39.1 | 48.4 | 30.3 | 16.2 | 43.4 | 13.3 |
| Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^a | | | | | | | | | |
| Heating | 15.5 | 20.8 | 10.6 | 15.6 | 9.1 | 5.7 | 5.9 | 16.3 | 9.2 |
| Cooling | 15.6 | 19.8 | 10.1 | 15.1 | 10.1 | 5.3 | 6.3 | 14.1 | 8.1 |
| Lighting | 9.5 | 7.8 | 7.4 | 11.2 | 6.0 | 6.1 | 7.7 | 8.4 | 6.3 |
| Office Equipment | 18.8 | 16.6 | 12.7 | 12.4 | 18.6 | 12.6 | 13.1 | 6.7 | 7.7 |
| Annual Consumption (kilowatthours) | | | | | | | | | |
| 10,000 or Less | 49.0 | 42.4 | 15.1 | 56.6 | 47.8 | 7.6 | 33.4 | 19.0 | 14.4 |
| 10,001 to 50,000 | 21.9 | 24.3 | 14.0 | 24.0 | 28.2 | 22.1 | 13.3 | 24.2 | 24.8 |
| 50,001 to 100,000 | 19.8 | 17.6 | 17.3 | 21.5 | 25.3 | 16.0 | 14.5 | 11.4 | 7.3 |
| 100,001 to 500,000 | 18.4 | 21.9 | 13.6 | 8.9 | 21.2 | 12.7 | 22.9 | 9.3 | 10.9 |
| 500,001 to 1,000,000 | 22.1 | 34.8 | 25.1 | 20.6 | 28.4 | 22.5 | 6.5 | 24.8 | 13.8 |
| 1,000,001 to 5,000,000 | 19.3 | 19.4 | 11.2 | 18.1 | 22.5 | 6.7 | 13.7 | 21.6 | 10.5 |
| Over 5,000,000 | 32.9 | 55.3 | 30.4 | 41.2 | 56.3 | 31.4 | 8.1 | 39.4 | 14.4 |

RSEs for Table C19. Electricity Consumption and Conditional Energy Intensity by Census Division for Non-Mall Buildings, 2003: Part 3

| | RSEs for Total Electricity Consumption | | | RSEs for Total Floorspace of Buildings Using Electricity | | | RSEs for Electricity Energy Intensity | | |
|--|--|---------------|---------|--|---------------|---------|---------------------------------------|---------------|---------|
| | West South Central | Mount- ain | Pacific | West South Central | Mount- ain | Pacific | West South Central | Mount- ain | Pacific |
| All Buildings* | 12.9 | 17.7 | 8.7 | 12.3 | 7.7 | 4.9 | 8.3 | 12.9 | 5.9 |
| Provider of Purchased Electricity (more than one may apply) | | | | | | | | | |
| Local Utility | 14.2 | 18.8 | 9.8 | 10.9 | 8.1 | 6.0 | 10.8 | 13.5 | 6.4 |
| Some Other Provider | 19.7 | 32.1 | 48.0 | 29.7 | 51.5 | 49.3 | 11.0 | 24.5 | 30.8 |

X=No cases in the responding sample reported their consumption for the particular fuel, so relative standard error could not be calculated.

RSEs for Table C20. Electricity Consumption and Conditional Energy Intensity by Climate Zone^a for Non-Mall Buildings, 2003

| | RSEs for Total Electricity Consumption | | | | | RSEs for Total Floorspace of Buildings Using Electricity | | | | | RSEs for Electricity Energy Intensity | | | | |
|--|--|--------|--------|--------|--------|--|--------|--------|--------|--------|---------------------------------------|--------|--------|--------|--------|
| | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 |
| All Buildings* | 12.2 | 13.4 | 20.4 | 12.1 | 10.6 | 11.2 | 11.7 | 16.6 | 11.0 | 8.5 | 5.9 | 7.8 | 9.4 | 5.8 | 5.9 |
| Building Floorspace (Square Feet) | | | | | | | | | | | | | | | |
| 1,001 to 5,000 | 15.9 | 14.7 | 21.5 | 20.3 | 21.3 | 13.3 | 16.2 | 31.3 | 17.6 | 10.3 | 11.4 | 10.0 | 12.4 | 10.2 | 14.6 |
| 5,001 to 10,000 | 21.7 | 23.1 | 23.7 | 19.5 | 27.3 | 19.2 | 18.1 | 20.2 | 11.2 | 21.0 | 12.4 | 14.9 | 11.8 | 19.4 | 12.5 |
| 10,001 to 25,000 | 14.6 | 18.8 | 34.9 | 19.9 | 26.8 | 16.9 | 16.1 | 24.5 | 17.3 | 14.7 | 9.1 | 15.2 | 16.7 | 14.9 | 23.3 |
| 25,001 to 50,000 | 10.9 | 20.3 | 19.8 | 22.2 | 22.4 | 9.5 | 12.8 | 21.5 | 16.2 | 12.4 | 7.0 | 15.5 | 14.5 | 11.3 | 14.4 |
| 50,001 to 100,000 | 23.5 | 21.7 | 25.4 | 19.9 | 14.9 | 19.1 | 19.7 | 22.2 | 18.3 | 15.9 | 8.5 | 19.8 | 8.5 | 9.4 | 8.1 |
| 100,001 to 200,000 | 18.9 | 24.3 | 28.3 | 31.5 | 36.8 | 18.9 | 18.5 | 33.4 | 27.7 | 25.4 | 11.1 | 11.6 | 35.3 | 13.0 | 14.2 |
| 200,001 to 500,000 | 25.3 | 24.0 | 29.8 | 21.1 | 19.8 | 24.6 | 35.4 | 33.4 | 18.2 | 18.4 | 14.7 | 10.8 | 40.6 | 9.1 | 9.0 |
| Over 500,000 | 52.4 | 32.5 | 37.9 | 32.5 | 35.7 | 51.0 | 25.7 | 31.0 | 35.7 | 46.4 | 5.2 | 24.2 | 17.1 | 22.2 | 10.8 |
| Principal Building Activity | | | | | | | | | | | | | | | |
| Education | 15.2 | 17.0 | 27.8 | 23.6 | 20.6 | 15.9 | 13.9 | 23.8 | 19.2 | 12.4 | 4.9 | 13.6 | 15.8 | 7.6 | 10.8 |
| Food Sales | 37.1 | 32.0 | 55.4 | 40.7 | 45.2 | 30.7 | 33.6 | 52.0 | 31.7 | 41.5 | 17.7 | 15.2 | 14.2 | 14.4 | 28.6 |
| Food Service | 24.0 | 35.1 | 39.5 | 31.2 | 36.6 | 32.9 | 26.7 | 38.4 | 27.0 | 42.4 | 28.0 | 20.2 | 40.5 | 12.2 | 33.3 |
| Health Care | 19.5 | 16.0 | 20.5 | 16.6 | 23.1 | 17.4 | 12.8 | 21.9 | 17.1 | 24.5 | 6.8 | 10.2 | 8.4 | 11.8 | 19.8 |
| Inpatient | 19.7 | 17.6 | 23.2 | 20.4 | 27.5 | 18.8 | 15.8 | 25.8 | 19.0 | 28.1 | 7.0 | 11.0 | 8.9 | 9.0 | 9.2 |
| Outpatient | 22.4 | 36.2 | 22.0 | 28.8 | 34.1 | 18.1 | 28.6 | 23.7 | 30.5 | 37.1 | 12.7 | 17.9 | 21.8 | 19.9 | 54.9 |
| Lodging | 17.9 | 38.1 | 29.4 | 22.4 | 36.9 | 17.3 | 20.0 | 40.5 | 18.0 | 33.2 | 9.5 | 29.5 | 64.8 | 10.1 | 12.1 |
| Retail (Other Than Mall) | 29.1 | 22.2 | 43.0 | 27.2 | 36.0 | 26.4 | 17.9 | 35.5 | 20.3 | 29.9 | 13.5 | 11.7 | 16.5 | 10.7 | 26.9 |
| Office | 20.9 | 16.7 | 21.8 | 14.8 | 21.3 | 17.6 | 13.7 | 21.1 | 16.2 | 22.2 | 6.9 | 8.2 | 3.6 | 7.1 | 7.4 |
| Public Assembly | 36.8 | 19.3 | 32.7 | 35.6 | 29.5 | 27.2 | 16.6 | 35.7 | 24.4 | 31.5 | 17.4 | 18.5 | 74.3 | 31.5 | 25.4 |
| Public Order and Safety | 27.0 | 42.4 | 47.7 | 46.8 | 76.0 | 29.7 | 38.1 | 45.1 | 44.5 | 69.4 | 10.5 | 21.4 | 10.0 | 31.8 | 27.3 |
| Religious Worship | 21.3 | 15.7 | 25.2 | 24.6 | 23.6 | 13.6 | 20.9 | 28.7 | 21.1 | 20.2 | 17.4 | 12.3 | 20.0 | 12.6 | 7.7 |
| Service | 29.7 | 25.9 | 66.2 | 27.2 | 42.6 | 26.2 | 21.6 | 32.7 | 27.8 | 21.1 | 14.3 | 15.4 | 51.3 | 15.9 | 28.3 |
| Warehouse and Storage | 37.0 | 45.8 | 33.4 | 22.2 | 25.7 | 27.8 | 29.0 | 24.7 | 26.3 | 20.1 | 24.0 | 20.0 | 17.7 | 15.1 | 18.5 |
| Other | 40.6 | 44.0 | 48.9 | 57.1 | 94.7 | 30.0 | 31.8 | 47.0 | 69.4 | 40.0 | 35.7 | 24.8 | 22.0 | 148.6 | 56.8 |
| Vacant | 53.2 | 47.8 | 46.6 | 56.2 | 88.3 | 52.3 | 49.4 | 47.3 | 43.9 | 77.0 | 18.9 | 48.5 | 27.0 | 43.5 | 87.8 |
| Year Constructed | | | | | | | | | | | | | | | |
| Before 1920 | 17.7 | 18.8 | 58.1 | 40.2 | 85.9 | 19.3 | 18.1 | 42.7 | 20.5 | 77.0 | 11.7 | 12.4 | 51.7 | 26.4 | 10.9 |
| 1920 to 1945 | 30.0 | 48.4 | 25.1 | 21.8 | 50.4 | 20.0 | 31.7 | 29.4 | 23.6 | 45.1 | 26.5 | 17.7 | 25.0 | 11.5 | 27.4 |
| 1946 to 1959 | 27.3 | 16.1 | 31.5 | 24.1 | 33.3 | 18.7 | 15.0 | 28.7 | 28.6 | 37.6 | 18.2 | 10.5 | 35.2 | 14.5 | 10.8 |
| 1960 to 1969 | 19.7 | 21.9 | 22.9 | 20.3 | 24.0 | 17.4 | 19.9 | 20.8 | 17.0 | 24.6 | 9.7 | 19.9 | 12.8 | 10.5 | 14.7 |
| 1970 to 1979 | 20.3 | 22.0 | 34.4 | 17.4 | 25.2 | 18.5 | 19.4 | 23.9 | 19.5 | 18.8 | 12.5 | 15.5 | 19.9 | 10.1 | 9.7 |
| 1980 to 1989 | 22.0 | 20.6 | 25.8 | 16.8 | 15.3 | 23.8 | 13.6 | 23.4 | 14.7 | 17.1 | 11.3 | 11.7 | 13.0 | 10.0 | 6.3 |
| 1990 to 1999 | 20.0 | 22.4 | 27.4 | 19.1 | 23.5 | 18.5 | 20.0 | 23.4 | 12.6 | 18.6 | 13.3 | 10.9 | 10.2 | 16.3 | 10.0 |
| 2000 to 2003 | 28.5 | 25.8 | 36.3 | 26.3 | 29.3 | 26.6 | 20.5 | 27.3 | 24.5 | 15.0 | 10.8 | 18.5 | 14.4 | 8.8 | 24.9 |
| Census Region and Division | | | | | | | | | | | | | | | |
| Northeast | 43.1 | 20.4 | 28.0 | 0.0 | 0.0 | 35.3 | 15.7 | 21.6 | 0.0 | 0.0 | 22.7 | 11.5 | 22.4 | 0.0 | 0.0 |
| New England | 31.6 | 31.8 | 0.0 | 0.0 | 0.0 | 55.2 | 16.7 | 0.0 | 0.0 | 0.0 | 15.3 | 21.1 | 0.0 | 0.0 | 0.0 |
| Middle Atlantic | 61.0 | 26.3 | 28.0 | 0.0 | 0.0 | 47.0 | 23.6 | 21.6 | 0.0 | 0.0 | 22.7 | 9.0 | 22.4 | 0.0 | 0.0 |
| Midwest | 12.5 | 18.0 | 20.5 | 0.0 | 0.0 | 13.5 | 18.1 | 21.2 | 0.0 | 0.0 | 8.3 | 10.8 | 1.3 | 0.0 | 0.0 |
| East North Central | 12.4 | 19.5 | 0.0 | 0.0 | 0.0 | 11.5 | 19.0 | 0.0 | 0.0 | 0.0 | 14.4 | 11.7 | 0.0 | 0.0 | 0.0 |
| West North Central | 22.1 | 54.3 | 20.5 | 0.0 | 0.0 | 26.5 | 58.6 | 21.2 | 0.0 | 0.0 | 8.2 | 9.3 | 1.3 | 0.0 | 0.0 |
| South | 0.0 | 0.0 | 37.8 | 16.3 | 11.1 | 0.0 | 0.0 | 35.4 | 16.0 | 8.9 | 0.0 | 0.0 | 5.3 | 7.8 | 6.2 |
| South Atlantic | 0.0 | 0.0 | 45.0 | 17.2 | 14.1 | 0.0 | 0.0 | 41.8 | 15.2 | 6.3 | 0.0 | 0.0 | 6.4 | 8.8 | 10.9 |
| East South Central | 0.0 | 0.0 | 70.0 | 61.3 | 94.8 | 0.0 | 0.0 | 71.0 | 60.4 | 88.0 | 0.0 | 0.0 | 10.5 | 9.7 | 3.6 |
| West South Central | 0.0 | 0.0 | 96.3 | 8.7 | 16.4 | 0.0 | 0.0 | 96.4 | 28.1 | 15.2 | 0.0 | 0.0 | 0.9 | 26.2 | 7.4 |
| West | 24.6 | 38.8 | 55.8 | 15.0 | 34.4 | 20.1 | 25.0 | 46.6 | 10.2 | 33.6 | 6.9 | 22.6 | 17.8 | 8.5 | 14.9 |
| Mountain | 18.7 | 48.2 | 0.0 | 0.0 | 34.8 | 12.4 | 16.7 | 0.0 | 0.0 | 32.2 | 8.7 | 41.3 | 0.0 | 0.0 | 14.6 |
| Pacific | 90.7 | 62.0 | 55.8 | 15.0 | 84.6 | 89.1 | 50.2 | 46.6 | 10.2 | 95.0 | 4.6 | 23.6 | 17.8 | 8.5 | 221.8 |

RSEs for Table C20. Electricity Consumption and Conditional Energy Intensity by Climate Zone^a for Non-Mall Buildings, 2003

| | RSEs for Total Electricity Consumption | | | | | RSEs for Total Floorspace of Buildings Using Electricity | | | | | RSEs for Electricity Energy Intensity | | | | |
|---|--|--------|--------|--------|--------|--|--------|--------|--------|--------|---------------------------------------|--------|--------|--------|--------|
| | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 |
| All Buildings* | 12.2 | 13.4 | 20.4 | 12.1 | 10.6 | 11.2 | 11.7 | 16.6 | 11.0 | 8.5 | 5.9 | 7.8 | 9.4 | 5.8 | 5.9 |
| Number of Floors | | | | | | | | | | | | | | | |
| One | 13.7 | 22.7 | 24.1 | 15.1 | 14.1 | 10.9 | 18.3 | 21.3 | 12.9 | 8.4 | 8.4 | 8.3 | 12.2 | 6.5 | 9.4 |
| Two | 16.9 | 19.8 | 21.6 | 24.3 | 23.5 | 15.2 | 16.5 | 19.9 | 17.2 | 14.4 | 9.1 | 16.1 | 14.3 | 15.3 | 13.7 |
| Three | 17.7 | 23.1 | 34.2 | 16.5 | 24.2 | 16.8 | 11.9 | 25.1 | 17.7 | 19.1 | 10.5 | 20.0 | 18.1 | 9.8 | 16.1 |
| Four to Nine | 16.3 | 21.5 | 37.8 | 15.0 | 30.1 | 16.0 | 14.7 | 32.7 | 16.0 | 26.2 | 9.1 | 14.2 | 28.5 | 6.8 | 7.0 |
| Ten or More | 45.5 | 37.3 | 26.9 | 33.4 | 30.6 | 47.1 | 26.8 | 24.1 | 41.2 | 41.4 | 6.6 | 19.6 | 8.2 | 16.5 | 11.1 |
| Elevators and Escalators (more than one may apply) | | | | | | | | | | | | | | | |
| Any Elevators | 15.3 | 14.6 | 24.9 | 13.7 | 17.5 | 13.1 | 10.6 | 19.6 | 11.9 | 18.0 | 6.0 | 8.1 | 11.2 | 6.7 | 4.2 |
| Number of Elevators | | | | | | | | | | | | | | | |
| One | 17.6 | 20.4 | 25.4 | 26.6 | 20.7 | 14.8 | 17.2 | 20.4 | 21.5 | 21.2 | 8.4 | 13.0 | 12.9 | 10.8 | 12.4 |
| Two to Five | 16.5 | 20.8 | 28.5 | 16.9 | 32.1 | 17.6 | 15.7 | 22.7 | 14.4 | 30.5 | 9.9 | 13.1 | 21.9 | 8.2 | 7.0 |
| Six or More | 33.4 | 30.8 | 33.7 | 26.7 | 27.0 | 37.7 | 21.9 | 29.2 | 31.9 | 36.3 | 11.1 | 16.7 | 13.7 | 20.0 | 10.7 |
| Any Escalators | 54.1 | 63.3 | 57.0 | 55.6 | 32.4 | 56.2 | 49.9 | 38.2 | 43.0 | 40.9 | 38.3 | 32.1 | 37.4 | 42.9 | 8.2 |
| Number of Workers (main shift) | | | | | | | | | | | | | | | |
| Fewer than 5 | 11.3 | 34.3 | 23.3 | 25.7 | 19.7 | 12.5 | 25.2 | 25.7 | 22.8 | 15.1 | 14.9 | 15.6 | 12.6 | 9.6 | 23.1 |
| 5 to 9 | 18.3 | 23.9 | 38.8 | 18.3 | 20.6 | 22.1 | 20.3 | 24.0 | 18.0 | 19.3 | 15.2 | 13.8 | 30.0 | 10.3 | 14.8 |
| 10 to 19 | 18.2 | 19.6 | 29.2 | 17.6 | 18.3 | 14.1 | 15.8 | 35.0 | 13.7 | 13.6 | 15.2 | 17.3 | 46.5 | 16.4 | 17.5 |
| 20 to 49 | 19.1 | 20.1 | 25.9 | 28.6 | 15.9 | 19.8 | 12.2 | 27.5 | 25.0 | 12.8 | 9.6 | 15.5 | 30.0 | 7.1 | 7.9 |
| 50 to 99 | 20.6 | 16.4 | 36.8 | 18.9 | 14.3 | 23.2 | 13.7 | 24.2 | 16.7 | 12.1 | 10.1 | 8.0 | 17.3 | 7.8 | 8.0 |
| 100 to 249 | 21.2 | 21.1 | 26.1 | 24.8 | 22.2 | 14.9 | 17.5 | 26.6 | 22.4 | 21.5 | 12.0 | 13.3 | 9.3 | 13.8 | 24.6 |
| 250 or More | 35.2 | 19.4 | 30.3 | 18.3 | 24.8 | 37.7 | 17.7 | 26.2 | 21.4 | 28.6 | 6.1 | 12.6 | 11.7 | 9.8 | 7.1 |
| Weekly Operating Hours | | | | | | | | | | | | | | | |
| Fewer than 40 | 21.5 | 19.3 | 37.0 | 25.7 | 28.2 | 15.5 | 26.7 | 30.4 | 22.0 | 18.8 | 17.7 | 20.0 | 16.6 | 10.7 | 18.0 |
| 40 to 48 | 11.2 | 25.8 | 25.9 | 16.5 | 17.0 | 14.0 | 13.6 | 24.3 | 18.3 | 17.2 | 10.1 | 17.6 | 25.2 | 11.1 | 11.4 |
| 49 to 60 | 17.9 | 33.8 | 21.8 | 11.4 | 20.4 | 14.5 | 25.2 | 17.8 | 12.9 | 14.0 | 13.0 | 10.5 | 10.7 | 7.2 | 9.0 |
| 61 to 84 | 19.2 | 17.9 | 25.8 | 17.2 | 23.1 | 18.9 | 14.6 | 24.8 | 18.6 | 15.1 | 8.6 | 10.3 | 9.3 | 13.8 | 15.5 |
| 85 to 167 | 15.5 | 20.0 | 29.0 | 21.0 | 27.3 | 17.0 | 17.6 | 27.5 | 20.1 | 24.7 | 13.4 | 16.2 | 11.0 | 11.1 | 13.7 |
| Open Continuously | 17.4 | 18.2 | 23.6 | 18.8 | 22.5 | 14.0 | 12.8 | 17.3 | 15.7 | 26.9 | 8.0 | 10.5 | 15.8 | 10.1 | 9.7 |
| Ownership and Occupancy | | | | | | | | | | | | | | | |
| Nongovernment Owned | 13.1 | 13.5 | 18.0 | 10.5 | 12.6 | 12.6 | 10.5 | 15.8 | 10.3 | 10.6 | 6.9 | 9.7 | 10.9 | 6.0 | 7.8 |
| Owner Occupied | 15.4 | 15.5 | 18.6 | 18.0 | 16.7 | 13.7 | 11.1 | 15.9 | 17.5 | 14.4 | 9.0 | 9.4 | 11.9 | 8.6 | 10.1 |
| Nonowner Occupied | 15.7 | 19.7 | 24.4 | 12.4 | 18.0 | 15.2 | 15.8 | 18.6 | 12.1 | 12.3 | 8.5 | 9.9 | 14.6 | 8.7 | 10.2 |
| Unoccupied | 70.9 | 57.0 | 59.8 | 56.2 | 100.1 | 59.5 | 52.5 | 66.8 | 43.9 | 100.1 | 37.9 | 54.2 | 97.9 | 43.5 | 0.0 |
| Government Owned | 14.3 | 25.0 | 34.2 | 23.1 | 17.0 | 12.2 | 17.2 | 23.1 | 18.5 | 12.2 | 6.4 | 11.2 | 18.6 | 9.4 | 8.8 |
| Federal | 41.3 | 53.8 | 65.7 | 34.9 | 39.8 | 40.6 | 52.0 | 55.2 | 35.1 | 39.1 | 28.3 | 8.9 | 36.5 | 14.1 | 6.7 |
| State | 36.9 | 22.3 | 36.7 | 33.8 | 68.4 | 30.7 | 19.5 | 36.8 | 26.3 | 61.1 | 13.3 | 14.3 | 15.3 | 12.7 | 10.5 |
| Local | 13.9 | 21.5 | 35.1 | 27.0 | 11.3 | 11.4 | 14.9 | 27.8 | 21.4 | 13.2 | 11.3 | 16.0 | 12.5 | 12.1 | 4.5 |
| Vacancy Status | | | | | | | | | | | | | | | |
| Completely Vacant | 57.4 | 57.6 | 55.2 | 56.2 | 100.1 | 51.2 | 51.9 | 52.1 | 43.9 | 100.1 | 28.2 | 52.9 | 38.8 | 43.5 | 0.0 |
| Mostly Vacant | 55.6 | 87.5 | 66.8 | X | 100.9 | 65.8 | 67.2 | 81.4 | X | 100.9 | 21.8 | 116.6 | 149.5 | X | . |
| Partially Vacant | 29.9 | 13.3 | 20.8 | 16.8 | 22.5 | 22.1 | 11.2 | 21.8 | 18.8 | 23.6 | 13.3 | 10.2 | 6.8 | 8.2 | 7.0 |
| Not At All Vacant | 12.7 | 16.3 | 21.8 | 13.3 | 10.4 | 11.1 | 11.9 | 18.5 | 12.3 | 6.5 | 6.9 | 8.3 | 13.5 | 6.6 | 7.1 |
| Number of Establishments | | | | | | | | | | | | | | | |
| One | 11.4 | 14.7 | 22.2 | 13.6 | 11.3 | 11.9 | 13.2 | 19.7 | 12.5 | 8.9 | 7.9 | 7.0 | 15.5 | 6.3 | 7.2 |
| 2 to 5 | 21.4 | 21.0 | 23.2 | 18.7 | 18.5 | 18.3 | 12.1 | 20.6 | 18.0 | 21.1 | 8.5 | 16.7 | 9.1 | 7.8 | 12.4 |
| 6 to 10 | 27.6 | 33.9 | 33.8 | 33.7 | 53.1 | 29.0 | 21.8 | 29.9 | 30.5 | 53.9 | 24.9 | 20.7 | 20.4 | 24.7 | 13.8 |
| 11 to 20 | 50.1 | 25.4 | 35.1 | 42.3 | 44.3 | 47.5 | 20.3 | 34.6 | 35.1 | 38.9 | 21.8 | 14.1 | 18.6 | 15.0 | 24.6 |
| More than 20 | 80.0 | 42.7 | 21.6 | 47.9 | 25.6 | 76.6 | 40.7 | 22.3 | 45.0 | 28.9 | 16.2 | 19.5 | 8.4 | 34.8 | 6.3 |
| Currently Unoccupied | 57.4 | 57.6 | 55.2 | 56.2 | 100.1 | 51.2 | 51.9 | 52.1 | 43.9 | 100.1 | 28.2 | 52.9 | 38.8 | 43.5 | 0.0 |

RSEs for Table C20. Electricity Consumption and Conditional Energy Intensity by Climate Zone^a for Non-Mall Buildings, 2003

| | RSEs for Total Electricity Consumption | | | | | RSEs for Total Floorspace of Buildings Using Electricity | | | | | RSEs for Electricity Energy Intensity | | | | |
|---|--|--------|--------|--------|--------|--|--------|--------|--------|--------|---------------------------------------|--------|--------|--------|--------|
| | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 |
| All Buildings* | 12.2 | 13.4 | 20.4 | 12.1 | 10.6 | 11.2 | 11.7 | 16.6 | 11.0 | 8.5 | 5.9 | 7.8 | 9.4 | 5.8 | 5.9 |
| Predominant Exterior Wall Material | | | | | | | | | | | | | | | |
| Brick, Stone or Stucco | 14.8 | 16.9 | 21.3 | 15.5 | 11.7 | 11.8 | 12.6 | 19.6 | 13.5 | 12.4 | 10.1 | 7.9 | 14.3 | 4.7 | 5.8 |
| Concrete (Block or Poured) | 21.1 | 22.8 | 24.7 | 20.7 | 15.1 | 20.9 | 19.7 | 17.1 | 15.5 | 9.3 | 9.8 | 19.3 | 14.2 | 8.9 | 11.4 |
| Concrete Panels | 25.3 | 38.9 | 47.2 | 20.6 | 30.6 | 18.1 | 34.8 | 35.0 | 20.3 | 26.4 | 10.3 | 17.4 | 25.9 | 10.2 | 16.7 |
| Siding or Shingles | 25.1 | 22.2 | 31.5 | 38.2 | 45.8 | 24.4 | 16.5 | 28.7 | 23.8 | 22.8 | 20.2 | 19.4 | 9.2 | 39.6 | 33.0 |
| Metal Panels | 26.8 | 29.2 | 37.6 | 23.5 | 20.6 | 20.3 | 21.6 | 28.2 | 22.1 | 16.6 | 11.0 | 15.9 | 18.8 | 24.0 | 18.2 |
| Window Glass | 72.7 | 56.8 | 45.4 | 38.4 | 48.2 | 69.4 | 47.5 | 45.7 | 27.2 | 38.9 | 12.5 | 39.0 | 5.8 | 19.1 | 23.6 |
| Other | 69.6 | 45.0 | 52.3 | 43.0 | 53.9 | 62.4 | 44.2 | 40.5 | 45.5 | 61.1 | 11.7 | 22.3 | 22.4 | 18.7 | 14.6 |
| No One Major Type | 35.8 | 71.5 | 71.7 | 80.9 | 74.2 | 25.9 | 76.5 | 73.1 | 71.1 | 58.1 | 31.2 | 63.4 | 15.6 | 57.3 | 49.3 |
| Predominant Roof Material | | | | | | | | | | | | | | | |
| Built-Up | 14.8 | 15.5 | 20.9 | 12.7 | 20.0 | 12.5 | 11.1 | 18.0 | 9.9 | 17.9 | 10.3 | 15.4 | 10.0 | 8.4 | 10.8 |
| Shingles (Not Wood) | 18.7 | 12.3 | 34.6 | 20.6 | 21.4 | 12.7 | 7.7 | 24.3 | 19.6 | 23.3 | 13.2 | 10.0 | 21.4 | 14.7 | 10.7 |
| Metal Surfacing | 18.2 | 24.9 | 26.7 | 25.2 | 16.4 | 17.9 | 18.7 | 29.0 | 23.2 | 17.4 | 7.3 | 15.2 | 7.7 | 14.3 | 11.2 |
| Synthetic or Rubber | 17.3 | 16.8 | 26.1 | 16.8 | 21.1 | 15.7 | 15.0 | 22.1 | 17.4 | 20.6 | 8.7 | 8.7 | 11.4 | 9.9 | 6.1 |
| Slate or Tile | 40.0 | 23.1 | 40.7 | 24.6 | 25.2 | 30.2 | 21.3 | 32.5 | 24.2 | 23.4 | 29.7 | 33.4 | 11.0 | 18.1 | 22.0 |
| Wooden Materials | 67.7 | 44.4 | 44.0 | 39.5 | 61.5 | 80.4 | 51.3 | 44.7 | 43.9 | 55.9 | 87.6 | 16.9 | 27.1 | 6.7 | 19.4 |
| Concrete | 74.6 | 83.7 | 56.9 | 40.3 | 59.0 | 65.2 | 82.7 | 90.6 | 28.3 | 52.2 | 33.7 | 1.1 | 709.2 | 25.1 | 13.6 |
| Other | 58.8 | 49.4 | 53.1 | 57.7 | 68.9 | 40.1 | 50.8 | 52.5 | 57.8 | 79.6 | 41.8 | 15.5 | 39.6 | 14.0 | 38.2 |
| No One Major Type | 68.8 | 49.2 | 59.6 | 5.1 | 97.0 | 62.6 | 63.0 | 51.7 | 5.4 | 97.0 | 38.0 | 46.7 | 52.9 | 0.4 | 0.0 |
| Renovations in Buildings Constructed Before 1980 (more than one may apply) | | | | | | | | | | | | | | | |
| Any Type of Renovation | 14.0 | 14.9 | 21.2 | 17.2 | 22.3 | 13.3 | 11.6 | 16.5 | 19.3 | 21.9 | 8.6 | 10.2 | 11.1 | 10.3 | 6.5 |
| Since 1980 | 21.2 | 20.4 | 25.7 | 24.3 | 27.7 | 16.2 | 17.9 | 26.5 | 29.4 | 24.4 | 12.8 | 11.4 | 30.9 | 18.6 | 9.9 |
| Addition or Annex | 51.3 | 45.0 | 35.8 | 80.8 | X | 49.8 | 38.1 | 34.2 | 79.3 | X | 35.4 | 35.9 | 28.4 | 13.7 | X |
| Reduction In Floorspace | 15.5 | 16.8 | 22.8 | 17.2 | 27.7 | 12.6 | 13.7 | 18.1 | 19.6 | 28.1 | 10.0 | 10.5 | 13.6 | 8.2 | 8.9 |
| Wall or Roof Replacement | 19.6 | 20.0 | 20.4 | 22.3 | 34.2 | 14.0 | 16.5 | 17.9 | 24.9 | 31.5 | 17.3 | 13.7 | 18.2 | 11.6 | 8.0 |
| Interior Wall | | | | | | | | | | | | | | | |
| Re-Configuration | 14.7 | 19.1 | 19.9 | 19.8 | 22.1 | 12.4 | 16.2 | 15.8 | 19.8 | 24.9 | 11.4 | 9.1 | 16.6 | 9.2 | 9.3 |
| HVAC Equipment Upgrade | 13.5 | 17.1 | 18.6 | 20.2 | 32.5 | 10.8 | 15.1 | 15.9 | 20.3 | 33.4 | 8.2 | 11.9 | 9.4 | 9.0 | 7.9 |
| Lighting Upgrade | 16.1 | 16.7 | 27.1 | 21.2 | 30.1 | 13.1 | 14.3 | 19.4 | 24.3 | 30.9 | 9.5 | 11.0 | 16.9 | 11.7 | 9.1 |
| Window Replacement | 21.0 | 20.3 | 21.1 | 24.2 | 36.8 | 16.7 | 13.9 | 18.4 | 24.7 | 36.3 | 14.8 | 14.6 | 25.8 | 15.9 | 8.4 |
| Plumbing System Upgrade | 19.6 | 18.8 | 23.1 | 21.0 | 35.6 | 14.4 | 18.0 | 19.0 | 24.9 | 37.4 | 12.5 | 10.3 | 21.5 | 10.5 | 7.8 |
| Insulation Upgrade | 22.6 | 23.7 | 24.4 | 30.2 | 27.4 | 24.1 | 16.5 | 30.7 | 28.2 | 30.6 | 19.7 | 18.1 | 14.6 | 13.5 | 18.7 |
| Other Renovation | 63.1 | 43.9 | 42.2 | 61.0 | 0.0 | 54.7 | 40.9 | 44.9 | 60.8 | 0.0 | 17.2 | 21.0 | 55.0 | 51.2 | 0.0 |
| No Renovations Since 1980 | 11.7 | 24.5 | 35.4 | 14.0 | 22.1 | 13.9 | 18.3 | 24.2 | 14.1 | 17.2 | 9.3 | 10.7 | 25.6 | 9.0 | 10.2 |
| Building Newer than 1980 | 16.4 | 15.7 | 20.2 | 14.3 | 16.3 | 16.8 | 13.4 | 18.9 | 12.3 | 13.1 | 7.9 | 7.5 | 6.0 | 8.0 | 7.7 |
| Energy Sources (more than one may apply) | | | | | | | | | | | | | | | |
| Electricity | 12.2 | 13.4 | 20.4 | 12.1 | 10.6 | 11.2 | 11.7 | 16.6 | 11.0 | 8.5 | 5.9 | 7.8 | 9.4 | 5.8 | 5.9 |
| Natural Gas | 13.6 | 12.5 | 23.1 | 15.6 | 22.2 | 11.5 | 10.4 | 17.8 | 13.0 | 24.4 | 5.2 | 9.3 | 12.5 | 10.6 | 5.1 |
| Fuel Oil | 21.5 | 20.7 | 25.9 | 15.2 | 24.7 | 19.1 | 18.1 | 26.9 | 16.1 | 29.9 | 10.8 | 13.3 | 5.2 | 6.9 | 9.8 |
| District Heat | 24.0 | 35.9 | 32.3 | 32.7 | 62.3 | 23.7 | 37.1 | 30.3 | 30.6 | 50.6 | 10.0 | 10.6 | 5.7 | 6.0 | 21.6 |
| District Chilled Water | 46.8 | 31.6 | 32.3 | 31.9 | 50.2 | 44.0 | 22.0 | 30.9 | 29.6 | 39.7 | 8.7 | 23.4 | 5.7 | 10.8 | 18.6 |
| Propane | 30.5 | 45.8 | 42.6 | 26.4 | 15.8 | 26.5 | 42.5 | 44.5 | 27.9 | 16.8 | 18.9 | 11.5 | 15.1 | 22.0 | 10.0 |
| Other | 45.4 | 51.4 | 29.6 | 55.8 | 100.0 | 37.3 | 26.2 | 31.0 | 35.5 | 100.0 | 12.0 | 44.7 | 20.0 | 37.6 | . |

RSEs for Table C20. Electricity Consumption and Conditional Energy Intensity by Climate Zone^a for Non-Mall Buildings, 2003

| | RSEs for Total Electricity Consumption | | | | | RSEs for Total Floorspace of Buildings Using Electricity | | | | | RSEs for Electricity Energy Intensity | | | | |
|--|--|--------|--------|--------|--------|--|--------|--------|--------|--------|---------------------------------------|--------|--------|--------|--------|
| | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 |
| All Buildings* | 12.2 | 13.4 | 20.4 | 12.1 | 10.6 | 11.2 | 11.7 | 16.6 | 11.0 | 8.5 | 5.9 | 7.8 | 9.4 | 5.8 | 5.9 |
| Space-Heating Energy Sources | | | | | | | | | | | | | | | |
| Electricity | 13.8 | 19.7 | 22.8 | 15.3 | 10.0 | 14.0 | 14.4 | 19.4 | 16.5 | 7.7 | 5.4 | 9.1 | 8.7 | 6.7 | 6.9 |
| Electricity Main | 19.9 | 24.7 | 26.1 | 17.0 | 11.8 | 20.6 | 21.5 | 24.3 | 20.9 | 8.2 | 9.0 | 9.4 | 8.8 | 8.8 | 7.9 |
| Electricity Secondary | 19.0 | 23.4 | 28.1 | 19.8 | 22.9 | 16.5 | 14.0 | 21.4 | 16.1 | 22.1 | 8.1 | 15.9 | 12.2 | 14.2 | 15.9 |
| Other Excluding Electricity | 14.4 | 13.0 | 21.0 | 15.8 | 24.4 | 11.9 | 13.5 | 21.0 | 15.1 | 25.9 | 8.4 | 8.1 | 17.5 | 8.4 | 9.0 |
| Buildings without Heating | 50.5 | 53.7 | 67.3 | 36.4 | 35.7 | 34.8 | 37.1 | 58.4 | 26.0 | 12.2 | 60.2 | 39.7 | 27.2 | 18.0 | 29.5 |
| Primary Space-Heating Energy Source | | | | | | | | | | | | | | | |
| Electricity | 19.9 | 24.7 | 26.1 | 17.0 | 11.8 | 20.6 | 21.5 | 24.3 | 20.9 | 8.2 | 9.0 | 9.4 | 8.8 | 8.8 | 7.9 |
| Natural Gas | 13.6 | 12.9 | 24.0 | 14.4 | 21.4 | 11.8 | 11.0 | 19.4 | 12.3 | 21.9 | 6.3 | 10.7 | 7.5 | 10.6 | 6.0 |
| Fuel Oil | 34.8 | 24.2 | 38.8 | 35.5 | 100.2 | 27.1 | 29.7 | 58.0 | 39.0 | 100.2 | 10.2 | 17.0 | 98.0 | 21.3 | . |
| District Heat | 21.0 | 37.4 | 34.4 | 35.2 | 68.2 | 20.9 | 41.0 | 32.2 | 33.5 | 55.7 | 11.7 | 7.3 | 6.0 | 5.0 | 22.5 |
| Propane | 35.6 | 28.1 | 60.7 | 68.3 | 65.4 | 52.2 | 34.4 | 59.0 | 36.4 | 66.3 | 13.6 | 19.4 | 14.7 | 66.8 | 14.7 |
| Other | 83.2 | 58.0 | 86.3 | 55.1 | 0.0 | 58.3 | 51.0 | 75.5 | 52.4 | 0.0 | 64.8 | 20.6 | 14.1 | 21.4 | 0.0 |
| Cooling Energy Sources | | | | | | | | | | | | | | | |
| Electricity | 12.7 | 13.4 | 21.4 | 12.0 | 10.8 | 12.4 | 10.6 | 17.2 | 10.3 | 8.4 | 6.0 | 6.8 | 10.1 | 6.2 | 5.4 |
| Other Excluding Electricity | 52.3 | 32.1 | 20.9 | 44.1 | 59.1 | 48.3 | 35.1 | 21.3 | 38.4 | 45.3 | 9.7 | 29.1 | 5.2 | 17.2 | 21.6 |
| Buildings without Cooling | 20.2 | 57.0 | 30.2 | 25.3 | 16.2 | 19.0 | 34.6 | 38.3 | 26.2 | 39.2 | 19.7 | 26.7 | 29.5 | 20.0 | 38.0 |
| Water-Heating Energy Sources | | | | | | | | | | | | | | | |
| Electricity | 11.2 | 15.6 | 21.5 | 16.3 | 13.2 | 15.0 | 13.4 | 17.5 | 15.6 | 9.8 | 9.8 | 9.4 | 9.0 | 9.6 | 8.3 |
| Other Excluding Electricity | 14.3 | 12.8 | 22.8 | 14.4 | 19.7 | 11.8 | 8.9 | 19.3 | 14.1 | 18.1 | 4.7 | 10.7 | 13.9 | 7.8 | 5.7 |
| Bldgs without Water Heating | 23.1 | 59.0 | 32.0 | 22.1 | 19.3 | 20.7 | 38.7 | 35.2 | 17.8 | 13.1 | 20.8 | 20.2 | 11.9 | 15.6 | 20.1 |
| Cooking Energy Sources | | | | | | | | | | | | | | | |
| Electricity | 15.9 | 21.7 | 20.9 | 24.0 | 16.0 | 12.9 | 16.5 | 21.5 | 20.2 | 20.3 | 9.0 | 12.4 | 6.7 | 9.0 | 7.2 |
| Other Excluding Electricity | 19.8 | 15.5 | 43.9 | 21.2 | 20.4 | 19.0 | 15.2 | 42.1 | 18.4 | 21.5 | 10.5 | 10.4 | 59.2 | 12.9 | 9.9 |
| Buildings without Cooking | 14.9 | 14.2 | 19.6 | 10.7 | 17.2 | 13.0 | 12.7 | 16.3 | 10.7 | 11.6 | 8.7 | 8.8 | 7.5 | 4.7 | 8.9 |
| Energy End Uses (more than one may apply) | | | | | | | | | | | | | | | |
| Buildings with Space Heating | 12.3 | 13.3 | 20.5 | 12.5 | 10.6 | 11.1 | 11.6 | 16.7 | 11.0 | 9.4 | 5.6 | 7.9 | 9.5 | 6.2 | 5.3 |
| Buildings with Cooling | 12.9 | 12.6 | 20.5 | 12.2 | 10.6 | 12.1 | 9.9 | 16.9 | 10.6 | 9.0 | 6.1 | 6.7 | 9.3 | 5.8 | 5.3 |
| Buildings with Water Heating | 12.2 | 12.2 | 20.4 | 12.4 | 10.7 | 10.9 | 9.4 | 16.7 | 10.8 | 9.6 | 5.8 | 8.8 | 10.1 | 6.0 | 5.1 |
| Buildings with Cooking | 15.7 | 15.5 | 26.5 | 19.6 | 14.8 | 12.9 | 12.4 | 26.0 | 16.5 | 17.9 | 8.0 | 9.0 | 25.3 | 8.7 | 5.7 |
| Buildings with Manufacturing | 44.4 | 35.2 | 38.1 | 37.4 | 47.9 | 32.4 | 26.6 | 25.9 | 33.8 | 42.9 | 22.3 | 30.5 | 19.5 | 32.9 | 42.2 |
| Buildings with Electricity Generation | 20.4 | 16.8 | 20.2 | 16.3 | 18.1 | 19.1 | 13.6 | 21.0 | 18.2 | 19.6 | 8.3 | 9.2 | 8.7 | 6.7 | 8.1 |
| Percent of Floorspace Heated | | | | | | | | | | | | | | | |
| Not Heated | 50.5 | 53.7 | 67.3 | 36.4 | 35.7 | 34.8 | 37.1 | 58.4 | 26.0 | 12.2 | 60.2 | 39.7 | 27.2 | 18.0 | 29.5 |
| 1 to 50 | 28.7 | 46.0 | 38.8 | 28.1 | 33.6 | 22.3 | 28.1 | 33.6 | 17.8 | 29.4 | 13.0 | 27.9 | 19.8 | 29.8 | 9.8 |
| 51 to 99 | 27.0 | 16.2 | 31.3 | 19.8 | 21.0 | 22.4 | 19.1 | 26.6 | 16.4 | 18.2 | 13.6 | 14.3 | 13.5 | 7.8 | 12.8 |
| 100 | 13.0 | 14.6 | 21.6 | 14.3 | 13.6 | 11.4 | 12.4 | 19.0 | 12.8 | 12.5 | 4.7 | 8.9 | 15.2 | 5.5 | 5.4 |
| Percent of Floorspace Cooled | | | | | | | | | | | | | | | |
| Not Cooled | 20.2 | 57.0 | 30.2 | 25.3 | 16.2 | 19.0 | 34.6 | 38.3 | 26.2 | 39.2 | 19.7 | 26.7 | 29.5 | 20.0 | 38.0 |
| 1 to 50 | 23.4 | 16.2 | 19.1 | 16.8 | 24.1 | 18.5 | 13.0 | 17.0 | 15.2 | 17.3 | 10.3 | 12.6 | 13.6 | 15.5 | 14.9 |
| 51 to 99 | 13.4 | 16.1 | 22.0 | 16.8 | 16.3 | 16.8 | 13.5 | 22.2 | 15.8 | 16.4 | 12.6 | 8.7 | 14.4 | 5.4 | 11.6 |
| 100 | 16.3 | 16.4 | 25.5 | 15.3 | 13.3 | 14.1 | 12.6 | 21.2 | 13.7 | 12.1 | 5.3 | 7.9 | 8.9 | 6.4 | 4.3 |

RSEs for Table C20. Electricity Consumption and Conditional Energy Intensity by Climate Zone^a for Non-Mall Buildings, 2003

| | RSEs for Total Electricity Consumption | | | | | RSEs for Total Floorspace of Buildings Using Electricity | | | | | RSEs for Electricity Energy Intensity | | | | |
|---|--|--------|--------|--------|--------|--|--------|--------|--------|--------|---------------------------------------|--------|--------|--------|--------|
| | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 |
| All Buildings* | 12.2 | 13.4 | 20.4 | 12.1 | 10.6 | 11.2 | 11.7 | 16.6 | 11.0 | 8.5 | 5.9 | 7.8 | 9.4 | 5.8 | 5.9 |
| Percent Lit When Open | | | | | | | | | | | | | | | |
| Zero | 65.7 | X | 96.0 | 84.4 | 52.6 | 60.3 | X | 96.0 | 63.4 | 48.3 | 44.9 | X | 0.0 | 150.7 | 29.1 |
| 1 to 50 | 12.4 | 16.0 | 27.9 | 22.8 | 20.1 | 12.5 | 18.5 | 18.1 | 16.9 | 19.9 | 9.3 | 13.2 | 23.1 | 13.1 | 7.5 |
| 51 to 99 | 12.7 | 17.1 | 21.2 | 14.4 | 19.7 | 15.4 | 13.5 | 17.1 | 13.4 | 14.8 | 10.4 | 8.6 | 10.8 | 6.4 | 5.8 |
| 100 | 14.5 | 15.2 | 23.7 | 13.0 | 15.4 | 11.2 | 12.8 | 18.2 | 11.3 | 12.6 | 6.0 | 6.8 | 13.8 | 8.4 | 9.0 |
| Building Never Open/ Electricity Not Used | 41.9 | 46.8 | 55.2 | 48.0 | 100.1 | 39.0 | 50.0 | 52.1 | 40.9 | 100.1 | 35.1 | 47.8 | 38.8 | 40.4 | 0.0 |
| Percent Lit When Closed | | | | | | | | | | | | | | | |
| Zero | 12.3 | 19.7 | 15.7 | 14.0 | 28.2 | 13.9 | 19.2 | 16.3 | 12.9 | 14.8 | 8.8 | 5.7 | 10.5 | 13.0 | 17.0 |
| 1 to 50 | 12.8 | 14.7 | 24.0 | 13.2 | 10.4 | 10.1 | 11.1 | 20.1 | 12.2 | 9.3 | 6.7 | 11.1 | 11.9 | 7.1 | 3.9 |
| 51 to 100 | 43.1 | 59.8 | 33.3 | 42.2 | 37.7 | 35.1 | 29.8 | 30.8 | 24.8 | 20.4 | 22.6 | 29.3 | 11.3 | 26.3 | 21.8 |
| Building Never Closed/ Electricity Not Used | 17.4 | 18.2 | 23.6 | 18.8 | 22.5 | 14.0 | 12.8 | 17.3 | 15.7 | 26.9 | 8.0 | 10.5 | 15.8 | 10.1 | 9.7 |
| Heating Equipment (more than one may apply) | | | | | | | | | | | | | | | |
| Heat Pumps | 24.9 | 31.4 | 35.1 | 17.5 | 18.0 | 26.5 | 22.4 | 28.4 | 21.5 | 14.3 | 14.4 | 17.3 | 14.3 | 17.4 | 16.0 |
| Packaged Heat Pumps | 31.1 | 40.1 | 41.2 | 14.6 | 21.7 | 25.6 | 28.7 | 32.8 | 21.0 | 12.4 | 14.9 | 22.0 | 18.1 | 19.0 | 21.8 |
| Split-System Heat Pumps | 43.8 | 36.8 | 60.0 | 30.8 | 23.6 | 50.3 | 35.1 | 37.6 | 38.0 | 19.0 | 18.0 | 10.4 | 41.0 | 26.6 | 12.7 |
| Individual Room Heat Pumps | 36.5 | 41.1 | 36.1 | 22.1 | 38.6 | 38.1 | 35.5 | 37.0 | 20.6 | 30.2 | 19.1 | 25.9 | 14.1 | 10.2 | 21.4 |
| Furnaces | 11.8 | 16.6 | 18.8 | 16.0 | 24.3 | 11.8 | 14.5 | 16.0 | 14.8 | 22.0 | 7.0 | 10.7 | 9.8 | 11.8 | 11.7 |
| Individual Space Heaters | 16.7 | 19.1 | 29.5 | 17.5 | 29.2 | 14.8 | 16.5 | 19.2 | 18.7 | 25.8 | 9.4 | 10.4 | 18.2 | 11.2 | 7.7 |
| District Heat | 23.9 | 36.4 | 34.5 | 34.5 | 62.3 | 23.4 | 38.1 | 32.2 | 32.1 | 50.6 | 10.4 | 10.8 | 6.0 | 6.6 | 21.6 |
| Boilers | 17.1 | 14.9 | 30.9 | 17.8 | 22.3 | 13.6 | 8.5 | 30.3 | 15.7 | 22.2 | 8.4 | 11.8 | 27.8 | 11.8 | 5.1 |
| Packaged Heating Units | 16.4 | 18.4 | 20.7 | 17.8 | 15.7 | 16.9 | 17.0 | 20.1 | 15.5 | 12.3 | 8.1 | 11.6 | 7.0 | 7.9 | 9.5 |
| Other | 24.8 | 23.7 | 43.1 | 21.5 | 35.0 | 24.8 | 26.0 | 37.7 | 38.7 | 33.0 | 9.5 | 13.4 | 12.2 | 45.4 | 13.0 |
| Cooling Equipment (more than one may apply) | | | | | | | | | | | | | | | |
| Residential-Type Central | | | | | | | | | | | | | | | |
| Air Conditioners | 11.7 | 16.5 | 38.4 | 35.5 | 19.6 | 16.9 | 9.6 | 25.1 | 19.9 | 15.0 | 12.4 | 12.7 | 36.4 | 22.7 | 16.7 |
| Heat Pumps | 24.6 | 32.1 | 34.1 | 18.6 | 17.8 | 26.6 | 23.1 | 27.6 | 23.8 | 17.2 | 15.0 | 17.8 | 14.2 | 11.7 | 18.1 |
| Packaged Heat Pumps | 30.5 | 41.5 | 39.0 | 16.0 | 22.4 | 26.1 | 30.2 | 32.3 | 20.4 | 16.4 | 14.4 | 23.0 | 15.3 | 19.9 | 23.8 |
| Split-System Heat Pumps | 44.5 | 35.0 | 60.8 | 31.6 | 24.6 | 48.6 | 31.8 | 37.8 | 38.1 | 18.6 | 33.5 | 11.6 | 42.1 | 24.2 | 11.1 |
| Individual Room Heat Pumps | 35.6 | 41.1 | 35.5 | 31.9 | 38.6 | 35.9 | 35.5 | 34.0 | 25.7 | 30.2 | 17.8 | 25.9 | 11.8 | 11.6 | 21.4 |
| Individual Air Conditioners | 18.9 | 14.4 | 23.9 | 27.9 | 27.7 | 16.4 | 11.2 | 28.3 | 23.6 | 25.0 | 8.5 | 10.4 | 18.5 | 11.8 | 15.5 |
| District Chilled Water | 46.8 | 31.6 | 32.3 | 31.9 | 50.2 | 44.0 | 22.0 | 30.9 | 29.6 | 39.7 | 8.7 | 23.4 | 5.7 | 10.8 | 18.6 |
| Central Chillers | 17.4 | 19.1 | 31.4 | 21.6 | 13.9 | 17.2 | 15.6 | 26.3 | 21.0 | 14.3 | 5.8 | 10.4 | 10.6 | 11.6 | 2.6 |
| Packaged Air Conditioning | | | | | | | | | | | | | | | |
| Units | 14.3 | 14.6 | 19.1 | 13.7 | 15.6 | 12.3 | 13.7 | 18.4 | 12.5 | 12.6 | 7.3 | 8.7 | 16.1 | 8.0 | 6.6 |
| Swamp Coolers | 21.5 | 35.7 | 61.9 | 18.9 | 54.0 | 24.9 | 33.9 | 72.0 | 24.8 | 57.6 | 4.2 | 11.3 | 16.3 | 24.6 | 17.0 |
| Other | 39.8 | 27.0 | 46.0 | 45.6 | 38.1 | 37.2 | 28.7 | 35.3 | 47.7 | 39.5 | 28.7 | 32.0 | 15.2 | 16.4 | 18.2 |
| Main Equipment Replaced Since 1990 (more than one may apply) | | | | | | | | | | | | | | | |
| Heating | 11.3 | 19.6 | 21.2 | 14.4 | 23.1 | 11.4 | 13.0 | 17.6 | 17.8 | 22.6 | 7.8 | 15.2 | 10.0 | 11.2 | 9.4 |
| Cooling | 12.2 | 17.0 | 24.1 | 12.1 | 15.8 | 14.4 | 11.6 | 17.8 | 11.9 | 16.5 | 8.2 | 11.0 | 11.8 | 10.6 | 5.6 |
| Water Heating Equipment | | | | | | | | | | | | | | | |
| Centralized System | 13.4 | 13.8 | 18.7 | 13.6 | 16.6 | 10.6 | 9.4 | 16.6 | 12.1 | 16.1 | 6.0 | 10.7 | 10.3 | 6.4 | 9.1 |
| Distributed System | 16.7 | 25.7 | 26.3 | 16.9 | 15.0 | 14.5 | 24.1 | 30.3 | 14.1 | 12.5 | 15.1 | 13.8 | 28.7 | 8.7 | 6.3 |
| Combination of Centralized and Distributed System | 22.2 | 21.9 | 32.0 | 18.4 | 27.6 | 18.8 | 15.6 | 25.9 | 18.3 | 24.9 | 10.1 | 14.2 | 15.8 | 12.7 | 5.3 |

RSEs for Table C20. Electricity Consumption and Conditional Energy Intensity by Climate Zone^a for Non-Mall Buildings, 2003

| | RSEs for Total Electricity Consumption | | | | | RSEs for Total Floorspace of Buildings Using Electricity | | | | | RSEs for Electricity Energy Intensity | | | | |
|--|--|--------|--------|--------|--------|--|--------|--------|--------|--------|---------------------------------------|--------|--------|--------|--------|
| | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 |
| All Buildings* | 12.2 | 13.4 | 20.4 | 12.1 | 10.6 | 11.2 | 11.7 | 16.6 | 11.0 | 8.5 | 5.9 | 7.8 | 9.4 | 5.8 | 5.9 |
| Lighting Equipment Types (more than one may apply) | | | | | | | | | | | | | | | |
| Incandescent | 12.4 | 13.8 | 22.0 | 13.6 | 13.2 | 11.1 | 10.5 | 19.8 | 12.7 | 12.4 | 6.6 | 10.1 | 14.0 | 9.6 | 7.6 |
| Standard Fluorescent | 12.3 | 13.3 | 20.5 | 12.0 | 11.3 | 11.3 | 11.1 | 16.8 | 10.8 | 9.3 | 5.1 | 8.1 | 9.7 | 5.7 | 5.7 |
| Compact Fluorescent | 15.7 | 15.2 | 22.3 | 16.1 | 12.1 | 13.6 | 11.2 | 18.5 | 12.8 | 15.0 | 5.7 | 9.0 | 10.8 | 7.2 | 9.5 |
| High Intensity Discharge | 15.3 | 17.1 | 24.2 | 13.4 | 16.3 | 12.9 | 16.8 | 19.9 | 13.6 | 13.5 | 8.0 | 8.4 | 8.1 | 11.1 | 12.7 |
| Halogen | 21.3 | 10.5 | 24.4 | 15.5 | 13.0 | 19.4 | 10.4 | 17.3 | 14.0 | 12.4 | 6.1 | 6.5 | 12.3 | 11.4 | 11.8 |
| Other | 100.2 | 53.2 | 100.4 | 100.3 | 56.2 | 100.2 | 45.2 | 100.4 | 100.3 | 53.3 | 0.0 | 21.1 | . | . | 26.3 |
| Refrigeration Equipment (more than one may apply)^b | | | | | | | | | | | | | | | |
| Any Refrigeration | 12.8 | 12.5 | 20.6 | 12.9 | 10.8 | 11.8 | 9.8 | 17.2 | 11.2 | 10.2 | 6.5 | 8.7 | 10.2 | 5.7 | 5.7 |
| Commercial Refrigeration | 14.4 | 15.1 | 24.1 | 16.9 | 12.9 | 12.8 | 12.6 | 21.2 | 14.9 | 14.5 | 6.8 | 7.9 | 18.5 | 6.7 | 9.1 |
| Walk-In Units | 14.6 | 14.3 | 26.3 | 17.2 | 12.3 | 13.4 | 11.4 | 27.2 | 15.8 | 12.9 | 9.2 | 9.1 | 26.7 | 7.5 | 10.8 |
| Cases or Cabinets | 16.3 | 17.5 | 26.8 | 17.9 | 14.4 | 14.5 | 15.3 | 20.7 | 16.3 | 16.6 | 5.4 | 7.2 | 13.3 | 7.5 | 11.3 |
| Residential-Type Units | 11.5 | 15.9 | 21.2 | 12.7 | 13.1 | 11.2 | 11.5 | 17.2 | 12.4 | 10.9 | 5.6 | 9.9 | 15.1 | 7.9 | 5.3 |
| Vending Machines | 13.6 | 13.6 | 22.7 | 14.9 | 12.1 | 11.4 | 12.1 | 18.8 | 13.3 | 12.6 | 6.5 | 8.5 | 10.3 | 5.2 | 6.1 |
| No Refrigeration | 22.9 | 47.8 | 24.0 | 17.1 | 24.2 | 16.4 | 30.7 | 24.8 | 18.1 | 18.7 | 24.7 | 18.0 | 12.5 | 10.6 | 18.2 |
| Office Equipment (more than one may apply) | | | | | | | | | | | | | | | |
| Computers | 12.6 | 13.1 | 21.0 | 12.2 | 11.2 | 11.7 | 10.1 | 17.1 | 10.5 | 9.5 | 5.9 | 7.8 | 10.2 | 5.7 | 5.0 |
| With Flat Screen Monitors | 16.7 | 13.6 | 22.9 | 13.7 | 15.5 | 14.9 | 9.0 | 18.1 | 12.5 | 16.3 | 5.2 | 9.0 | 8.1 | 5.0 | 6.1 |
| Dedicated Servers | 14.3 | 14.4 | 22.1 | 12.5 | 13.1 | 13.9 | 9.7 | 17.4 | 10.5 | 13.0 | 6.3 | 7.4 | 8.5 | 6.9 | 4.7 |
| Laser Printers | 12.7 | 15.9 | 24.7 | 12.0 | 12.4 | 11.6 | 10.6 | 18.9 | 12.5 | 10.6 | 6.0 | 11.6 | 11.9 | 7.8 | 5.7 |
| Inkjet Printers | 17.8 | 12.8 | 22.6 | 13.0 | 16.2 | 16.1 | 10.7 | 18.2 | 9.9 | 15.1 | 4.3 | 7.7 | 7.6 | 7.2 | 6.2 |
| FAX Machines | 12.8 | 13.0 | 21.0 | 12.1 | 10.7 | 12.6 | 9.6 | 16.8 | 10.6 | 10.2 | 5.8 | 8.3 | 10.6 | 6.2 | 4.9 |
| Photocopiers | 13.3 | 13.5 | 21.4 | 12.6 | 11.1 | 12.7 | 9.5 | 17.0 | 10.6 | 9.6 | 6.4 | 7.6 | 11.1 | 5.7 | 5.0 |
| Number of Computers | | | | | | | | | | | | | | | |
| None | 13.5 | 31.3 | 34.3 | 23.5 | 22.3 | 20.0 | 27.2 | 27.0 | 26.3 | 20.3 | 14.5 | 11.0 | 20.5 | 13.3 | 23.5 |
| 1 to 4 | 15.3 | 26.6 | 30.4 | 18.0 | 24.8 | 17.1 | 20.5 | 26.4 | 14.6 | 15.1 | 18.0 | 13.4 | 29.9 | 10.9 | 23.9 |
| 5 to 9 | 16.8 | 18.5 | 27.1 | 17.2 | 21.9 | 12.2 | 12.4 | 25.2 | 14.2 | 20.9 | 13.3 | 13.8 | 13.8 | 11.9 | 9.0 |
| 10 to 19 | 21.2 | 24.9 | 34.6 | 20.1 | 26.7 | 19.4 | 18.5 | 29.0 | 22.2 | 17.1 | 12.9 | 15.3 | 32.3 | 11.7 | 20.9 |
| 20 to 49 | 27.9 | 18.9 | 26.7 | 22.8 | 16.4 | 24.6 | 15.4 | 23.5 | 17.4 | 17.7 | 15.7 | 11.4 | 12.5 | 14.1 | 12.5 |
| 50 to 99 | 28.1 | 18.6 | 32.6 | 21.7 | 21.6 | 24.3 | 11.6 | 40.9 | 23.4 | 21.5 | 11.6 | 13.2 | 67.1 | 10.1 | 6.0 |
| 100 to 249 | 25.5 | 19.1 | 30.9 | 18.5 | 16.9 | 18.9 | 17.4 | 24.9 | 19.1 | 14.8 | 15.3 | 14.0 | 10.1 | 8.5 | 8.4 |
| 250 or More | 23.1 | 19.1 | 29.7 | 16.1 | 22.9 | 19.1 | 15.8 | 24.9 | 16.9 | 25.9 | 8.8 | 13.8 | 11.6 | 9.1 | 7.0 |
| Number of Dedicated Servers | | | | | | | | | | | | | | | |
| None | 15.2 | 14.4 | 21.0 | 15.0 | 14.7 | 11.8 | 16.7 | 21.3 | 13.6 | 11.0 | 10.1 | 9.2 | 14.4 | 5.4 | 15.5 |
| 1 to 4 | 12.9 | 12.7 | 23.1 | 15.7 | 11.5 | 13.6 | 8.8 | 19.0 | 14.0 | 10.3 | 5.5 | 7.8 | 15.7 | 8.9 | 5.5 |
| 5 to 9 | 33.4 | 20.1 | 52.3 | 42.1 | 36.8 | 33.5 | 17.9 | 39.2 | 27.2 | 15.1 | 19.6 | 25.3 | 24.8 | 21.9 | |
| 10 to 19 | 28.8 | 23.0 | 34.5 | 19.9 | 52.1 | 25.9 | 22.1 | 32.4 | 17.2 | 49.7 | 16.4 | 13.7 | 16.5 | 17.8 | 3.6 |
| 20 to 49 | 45.0 | 38.6 | 38.3 | 21.7 | 41.4 | 46.0 | 28.2 | 37.0 | 23.9 | 42.9 | 8.8 | 20.9 | 9.8 | 17.6 | 12.7 |
| 50 or More | 44.1 | 44.4 | 32.0 | 36.4 | 40.8 | 44.6 | 42.5 | 33.0 | 48.5 | 48.1 | 13.0 | 22.9 | 13.9 | 32.0 | 12.6 |
| Number of Photocopiers | | | | | | | | | | | | | | | |
| None | 14.7 | 17.6 | 26.4 | 17.4 | 19.4 | 14.6 | 21.8 | 22.7 | 18.4 | 17.4 | 13.9 | 11.1 | 14.6 | 10.7 | 15.7 |
| One | 13.1 | 17.0 | 23.6 | 21.6 | 20.5 | 18.7 | 12.9 | 23.1 | 17.5 | 18.6 | 14.0 | 10.8 | 24.7 | 8.9 | 8.2 |
| 2 to 4 | 16.8 | 16.1 | 24.2 | 19.8 | 13.5 | 14.8 | 9.4 | 17.6 | 15.8 | 12.0 | 7.6 | 13.0 | 12.3 | 8.6 | 12.8 |
| 5 to 9 | 18.4 | 23.1 | 40.4 | 23.6 | 40.5 | 16.0 | 15.3 | 39.3 | 23.4 | 33.8 | 10.1 | 13.5 | 53.1 | 14.9 | 7.5 |
| 10 or More | 26.1 | 20.2 | 30.2 | 13.8 | 21.7 | 20.4 | 16.4 | 25.6 | 17.6 | 27.1 | 8.3 | 13.5 | 10.4 | 10.4 | 7.6 |

RSEs for Table C20. Electricity Consumption and Conditional Energy Intensity by Climate Zone^a for Non-Mall Buildings, 2003

| | RSEs for Total Electricity Consumption | | | | | RSEs for Total Floorspace of Buildings Using Electricity | | | | | RSEs for Electricity Energy Intensity | | | | |
|--|--|--------|--------|--------|--------|--|--------|--------|--------|--------|---------------------------------------|--------|--------|--------|--------|
| | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 |
| All Buildings* | 12.2 | 13.4 | 20.4 | 12.1 | 10.6 | 11.2 | 11.7 | 16.6 | 11.0 | 8.5 | 5.9 | 7.8 | 9.4 | 5.8 | 5.9 |
| Energy-Related Space Functions (more than one may apply) | | | | | | | | | | | | | | | |
| Commercial Food Preparation | 15.7 | 15.4 | 26.5 | 19.6 | 14.8 | 12.9 | 12.3 | 26.0 | 16.5 | 17.9 | 8.0 | 9.0 | 25.3 | 8.7 | 5.7 |
| Activities with Large Amounts of Hot Water | 13.7 | 16.1 | 26.8 | 20.7 | 16.3 | 11.5 | 12.1 | 26.4 | 15.6 | 17.1 | 7.3 | 10.2 | 27.9 | 10.2 | 6.2 |
| Separate Computer Area | 17.6 | 15.9 | 24.8 | 14.6 | 16.6 | 15.5 | 11.6 | 19.9 | 10.7 | 16.6 | 4.5 | 8.9 | 10.9 | 7.5 | 5.6 |
| HVAC Conservation Features (more than one may apply) | | | | | | | | | | | | | | | |
| Variable Air-Volume System | 19.8 | 15.6 | 27.1 | 13.6 | 18.1 | 15.8 | 11.5 | 22.6 | 12.7 | 18.3 | 7.1 | 9.2 | 9.2 | 4.3 | 5.9 |
| Economizer Cycle | 14.1 | 15.1 | 26.1 | 14.3 | 18.5 | 11.8 | 12.4 | 21.9 | 11.7 | 21.7 | 6.0 | 8.0 | 8.6 | 4.3 | 6.1 |
| HVAC Maintenance | 13.1 | 13.8 | 21.4 | 12.4 | 11.2 | 11.0 | 12.5 | 17.9 | 10.8 | 10.1 | 6.4 | 7.6 | 11.5 | 7.1 | 5.1 |
| Energy Management and Control System (EMCS) | 19.9 | 17.1 | 29.3 | 19.1 | 18.2 | 17.5 | 13.6 | 24.0 | 17.1 | 21.2 | 5.6 | 10.6 | 11.0 | 7.0 | 5.5 |
| Window and Interior Lighting Features (more than one may apply) | | | | | | | | | | | | | | | |
| Multipaned Windows | 14.2 | 13.9 | 18.5 | 14.1 | 11.6 | 13.2 | 10.6 | 18.4 | 12.6 | 10.8 | 6.8 | 8.3 | 14.4 | 7.8 | 5.2 |
| Tinted Window Glass | 17.4 | 15.6 | 21.9 | 10.5 | 13.0 | 14.3 | 14.9 | 19.3 | 9.7 | 10.7 | 6.1 | 10.0 | 7.1 | 5.8 | 7.1 |
| Reflective Window Glass | 21.0 | 19.9 | 30.5 | 16.5 | 16.1 | 20.4 | 16.4 | 17.5 | 13.9 | 14.4 | 7.2 | 12.9 | 18.6 | 11.0 | 6.6 |
| External Overhangs or Awnings | 13.7 | 21.0 | 22.6 | 20.5 | 23.7 | 11.6 | 16.2 | 21.8 | 13.6 | 21.1 | 11.7 | 10.1 | 18.2 | 13.7 | 8.5 |
| Skylights or Atriums | 19.5 | 21.8 | 20.2 | 22.0 | 14.9 | 16.2 | 15.6 | 17.6 | 18.6 | 16.1 | 8.2 | 15.4 | 17.3 | 9.1 | 9.4 |
| Daylighting Sensors | 28.9 | 40.9 | 39.3 | 40.0 | 22.6 | 31.9 | 23.6 | 31.4 | 32.1 | 30.5 | 14.8 | 24.4 | 17.3 | 33.6 | 18.2 |
| Specular Reflectors | 13.4 | 16.6 | 23.3 | 16.3 | 11.6 | 13.0 | 14.8 | 18.2 | 11.8 | 12.6 | 5.6 | 7.1 | 10.8 | 7.8 | 12.2 |
| Electronic Ballasts | 12.6 | 14.4 | 21.2 | 14.2 | 11.6 | 11.5 | 12.0 | 17.1 | 11.9 | 10.5 | 4.2 | 6.7 | 7.9 | 7.1 | 6.6 |
| Energy Management and Control System (EMCS) For Lighting | 31.2 | 15.0 | 30.9 | 29.7 | 26.6 | 35.3 | 23.4 | 27.2 | 33.4 | 29.4 | 11.7 | 14.0 | 11.1 | 15.5 | 13.0 |
| Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^b | | | | | | | | | | | | | | | |
| Heating | 15.7 | 13.1 | 20.5 | 14.2 | 12.2 | 12.3 | 11.1 | 15.7 | 12.0 | 11.8 | 7.9 | 10.6 | 12.1 | 6.2 | 3.3 |
| Cooling | 15.9 | 13.9 | 21.0 | 13.5 | 12.3 | 13.7 | 10.0 | 16.7 | 11.3 | 11.3 | 8.6 | 8.4 | 11.7 | 5.9 | 3.6 |
| Lighting | 11.8 | 15.4 | 19.9 | 11.9 | 11.1 | 11.4 | 12.4 | 17.4 | 11.3 | 7.7 | 7.3 | 7.7 | 9.0 | 5.9 | 7.0 |
| Office Equipment | 14.6 | 23.0 | 19.1 | 17.6 | 23.6 | 12.6 | 14.1 | 17.8 | 14.2 | 14.9 | 10.0 | 16.4 | 14.3 | 7.0 | 12.9 |
| Annual Consumption (kilowatthours) | | | | | | | | | | | | | | | |
| 10,000 or Less | 17.6 | 24.1 | 40.8 | 22.6 | 38.7 | 28.4 | 37.1 | 44.4 | 24.0 | 45.1 | 17.5 | 15.9 | 12.8 | 9.4 | 29.1 |
| 10,001 to 50,000 | 15.7 | 17.9 | 24.8 | 18.7 | 15.0 | 21.9 | 15.2 | 24.3 | 22.4 | 19.2 | 15.0 | 10.4 | 9.9 | 10.8 | 13.6 |
| 50,001 to 100,000 | 17.9 | 20.1 | 21.5 | 17.1 | 22.0 | 15.8 | 24.0 | 31.3 | 16.5 | 17.3 | 13.5 | 9.7 | 32.0 | 8.3 | 18.2 |
| 100,001 to 500,000 | 14.5 | 16.1 | 18.1 | 12.6 | 15.5 | 14.2 | 12.7 | 25.2 | 15.5 | 14.3 | 8.7 | 8.9 | 24.4 | 13.9 | 11.0 |
| 500,001 to 1,000,000 | 16.0 | 19.9 | 22.8 | 21.2 | 20.5 | 12.9 | 15.7 | 17.6 | 19.9 | 19.2 | 16.0 | 11.7 | 14.5 | 6.8 | 11.1 |
| 1,000,001 to 5,000,000 | 13.8 | 20.0 | 26.5 | 16.4 | 18.6 | 13.6 | 17.0 | 22.4 | 14.1 | 15.4 | 7.2 | 6.7 | 6.7 | 7.0 | 11.0 |
| Over 5,000,000 | 35.7 | 19.2 | 29.9 | 19.3 | 26.1 | 39.2 | 21.6 | 27.7 | 21.8 | 32.8 | 9.1 | 15.4 | 11.7 | 11.9 | 7.4 |

RSEs for Table C20. Electricity Consumption and Conditional Energy Intensity by Climate Zone^a for Non-Mall Buildings, 2003

| | RSEs for Total Electricity Consumption | | | | | RSEs for Total Floorspace of Buildings Using Electricity | | | | | RSEs for Electricity Energy Intensity | | | | |
|--|--|--------|--------|--------|--------|--|--------|--------|--------|--------|---------------------------------------|--------|--------|--------|--------|
| | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 |
| All Buildings* | 12.2 | 13.4 | 20.4 | 12.1 | 10.6 | 11.2 | 11.7 | 16.6 | 11.0 | 8.5 | 5.9 | 7.8 | 9.4 | 5.8 | 5.9 |
| Provider of Purchased Electricity (more than one may apply) | | | | | | | | | | | | | | | |
| Local Utility | 11.1 | 14.6 | 18.3 | 12.1 | 11.7 | 10.6 | 12.3 | 16.0 | 11.2 | 7.7 | 6.1 | 8.8 | 10.1 | 6.0 | 6.8 |
| Some Other Provider | 50.5 | 18.4 | 47.7 | 41.2 | 19.3 | 44.9 | 18.7 | 41.1 | 49.9 | 29.5 | 27.1 | 10.6 | 14.6 | 12.1 | 11.1 |

X=No cases in the responding sample reported their consumption for the particular fuel, so relative standard error could not be calculated.

RSEs for Table C21. Electricity Consumption and Conditional Energy Intensity by Building Size for Non-Mall Buildings, 2003

| | RSEs for Total Electricity Consumption | | | RSEs for Total Floorspace of Buildings Using Electricity | | | RSEs for Electricity Energy Intensity | | |
|--------------------------------------|--|-------------------------------|--------------------------|--|-------------------------------|--------------------------|---------------------------------------|-------------------------------|--------------------------|
| | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet |
| All Buildings* | 5.5 | 6.0 | 8.4 | 5.0 | 4.0 | 8.9 | 5.1 | 4.7 | 5.3 |
| Principal Building Activity | | | | | | | | | |
| Education | 15.3 | 11.4 | 16.9 | 12.4 | 9.5 | 11.0 | 11.4 | 5.7 | 10.1 |
| Food Sales | 18.5 | 23.0 | 100.5 | 17.1 | 22.1 | 100.5 | 11.5 | 12.1 | 0.0 |
| Food Service | 11.3 | 35.8 | 100.0 | 9.8 | 22.1 | 100.0 | 8.6 | 23.8 | 0.0 |
| Health Care | 18.0 | 16.8 | 9.7 | 15.8 | 15.5 | 10.1 | 7.4 | 14.0 | 5.0 |
| Inpatient | 0.0 | 33.4 | 9.8 | 0.0 | 27.2 | 9.6 | 0.0 | 11.8 | 5.0 |
| Outpatient | 18.0 | 16.6 | 49.1 | 15.8 | 17.6 | 39.5 | 7.4 | 17.2 | 39.2 |
| Lodging | 26.5 | 10.4 | 24.4 | 28.5 | 10.6 | 21.3 | 17.4 | 5.9 | 26.1 |
| Retail (Other Than Mall)..... | 16.5 | 20.9 | 27.3 | 12.9 | 14.2 | 23.7 | 9.8 | 16.3 | 7.1 |
| Office | 10.6 | 11.2 | 12.2 | 7.8 | 9.5 | 13.8 | 6.0 | 4.7 | 5.2 |
| Public Assembly | 44.0 | 14.7 | 32.5 | 16.2 | 14.4 | 36.6 | 42.1 | 11.2 | 55.3 |
| Public Order and Safety | 32.2 | 32.9 | 34.5 | 28.6 | 28.8 | 32.0 | 15.1 | 17.8 | 11.6 |
| Religious Worship | 13.9 | 15.7 | 39.1 | 12.3 | 12.7 | 36.3 | 10.3 | 10.6 | 34.6 |
| Service | 14.6 | 21.7 | 72.3 | 11.3 | 20.1 | 58.8 | 9.1 | 11.1 | 35.8 |
| Warehouse and Storage | 30.6 | 19.6 | 30.5 | 14.1 | 12.1 | 25.7 | 23.5 | 15.7 | 9.3 |
| Other | 30.6 | 43.2 | 32.8 | 22.4 | 26.3 | 39.3 | 19.3 | 29.9 | 47.5 |
| Vacant | 45.1 | 41.9 | 40.7 | 30.4 | 38.9 | 40.6 | 28.2 | 47.3 | 31.3 |
| Year Constructed | | | | | | | | | |
| Before 1920 | 17.5 | 36.7 | 38.1 | 14.9 | 18.0 | 30.8 | 12.1 | 30.4 | 31.1 |
| 1920 to 1945 | 12.7 | 15.5 | 38.4 | 10.2 | 15.1 | 28.3 | 9.1 | 10.8 | 24.4 |
| 1946 to 1959 | 14.7 | 13.9 | 23.9 | 12.4 | 11.6 | 26.9 | 10.2 | 8.9 | 29.3 |
| 1960 to 1969 | 14.6 | 13.5 | 13.7 | 10.9 | 10.6 | 13.5 | 14.4 | 10.7 | 7.2 |
| 1970 to 1979 | 12.0 | 11.5 | 18.1 | 11.3 | 8.3 | 17.4 | 8.4 | 8.3 | 12.3 |
| 1980 to 1989 | 13.7 | 12.3 | 15.2 | 10.9 | 10.0 | 13.3 | 11.7 | 8.7 | 8.3 |
| 1990 to 1999 | 18.1 | 12.1 | 13.1 | 9.9 | 9.3 | 10.8 | 17.1 | 9.4 | 8.2 |
| 2000 to 2003 | 24.3 | 15.8 | 22.4 | 16.6 | 10.3 | 17.8 | 19.8 | 12.9 | 11.2 |
| Census Region and Division | | | | | | | | | |
| Northeast | 9.7 | 13.7 | 15.1 | 9.2 | 8.9 | 19.3 | 10.6 | 12.3 | 21.7 |
| New England | 13.7 | 34.7 | 50.0 | 15.4 | 27.9 | 24.2 | 19.4 | 32.0 | 36.1 |
| Middle Atlantic | 12.4 | 14.1 | 14.8 | 12.4 | 7.8 | 21.9 | 11.6 | 12.0 | 25.5 |
| Midwest | 12.6 | 11.9 | 16.2 | 14.6 | 8.8 | 20.8 | 8.2 | 9.8 | 6.7 |
| East North Central | 18.9 | 18.4 | 19.1 | 19.3 | 12.1 | 25.2 | 13.1 | 14.6 | 7.9 |
| West North Central | 18.4 | 8.2 | 19.3 | 23.8 | 12.6 | 26.1 | 6.5 | 7.3 | 12.1 |
| South | 9.6 | 9.8 | 14.8 | 9.1 | 5.7 | 14.1 | 6.1 | 7.7 | 4.4 |
| South Atlantic | 15.7 | 13.8 | 20.2 | 13.7 | 8.1 | 18.0 | 9.0 | 10.1 | 6.1 |
| East South Central | 16.7 | 26.9 | 22.2 | 20.5 | 13.9 | 24.9 | 13.8 | 17.3 | 5.2 |
| West South Central | 18.4 | 17.5 | 23.9 | 18.6 | 12.3 | 25.8 | 9.6 | 16.1 | 5.8 |
| West | 15.7 | 7.3 | 19.5 | 8.1 | 7.9 | 14.2 | 16.6 | 6.1 | 7.7 |
| Mountain | 12.1 | 7.7 | 45.1 | 14.3 | 11.5 | 38.0 | 15.1 | 8.9 | 13.2 |
| Pacific | 23.1 | 10.7 | 13.4 | 9.3 | 10.4 | 11.1 | 23.9 | 8.4 | 5.7 |
| Climate Zone: 30-Year Average | | | | | | | | | |
| Under 2,000 CDD and -- | | | | | | | | | |
| More than 7,000 HDD | 12.8 | 11.9 | 18.6 | 11.8 | 11.8 | 16.4 | 10.3 | 5.3 | 7.4 |
| 5,500-7,000 HDD | 16.5 | 15.7 | 19.0 | 15.4 | 11.4 | 21.7 | 7.4 | 12.3 | 9.1 |
| 4,000-5,499 HDD | 20.7 | 24.0 | 27.5 | 24.3 | 18.7 | 24.4 | 9.2 | 7.5 | 21.0 |
| Fewer than 4,000 HDD | 15.8 | 15.5 | 13.1 | 13.5 | 13.7 | 10.7 | 11.8 | 8.4 | 6.3 |
| 2,000 CDD or More and -- | | | | | | | | | |
| Fewer than 4,000 HDD | 19.2 | 13.3 | 20.3 | 14.2 | 9.2 | 21.2 | 13.5 | 9.9 | 5.6 |

RSEs for Table C21. Electricity Consumption and Conditional Energy Intensity by Building Size for Non-Mall Buildings, 2003

| | RSEs for Total Electricity Consumption | | | RSEs for Total Floorspace of Buildings Using Electricity | | | RSEs for Electricity Energy Intensity | | |
|---|--|-------------------------------|--------------------------|--|-------------------------------|--------------------------|---------------------------------------|-------------------------------|--------------------------|
| | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet |
| All Buildings* | 5.5 | 6.0 | 8.4 | 5.0 | 4.0 | 8.9 | 5.1 | 4.7 | 5.3 |
| Number of Floors | | | | | | | | | |
| One | 6.4 | 7.4 | 23.3 | 6.0 | 5.1 | 23.3 | 5.0 | 6.2 | 6.8 |
| Two | 15.0 | 11.8 | 17.0 | 8.5 | 7.7 | 15.6 | 14.1 | 8.6 | 14.0 |
| Three | 11.2 | 11.2 | 18.3 | 12.0 | 8.6 | 13.7 | 9.0 | 10.0 | 12.0 |
| Four to Nine | 37.0 | 13.6 | 14.4 | 25.9 | 12.6 | 13.5 | 31.3 | 8.5 | 10.5 |
| Ten or More | 0.0 | 48.3 | 15.1 | 0.0 | 47.8 | 15.4 | 0.0 | 19.4 | 6.9 |
| Elevators and Escalators (more than one may apply) | | | | | | | | | |
| Any Elevators | 33.8 | 8.3 | 9.5 | 28.2 | 6.4 | 8.3 | 20.0 | 5.2 | 4.5 |
| Number of Elevators | | | | | | | | | |
| One | 33.8 | 10.0 | 16.6 | 28.2 | 8.4 | 14.1 | 20.0 | 6.8 | 8.6 |
| Two to Five | 0.0 | 12.4 | 11.4 | 0.0 | 11.3 | 10.6 | 0.0 | 7.8 | 8.0 |
| Six or More | 0.0 | 75.6 | 15.2 | 0.0 | 62.9 | 15.0 | 0.0 | 20.6 | 7.2 |
| Any Escalators | X | 74.6 | 27.2 | X | 70.6 | 21.4 | X | 28.1 | 13.7 |
| Number of Workers (main shift) | | | | | | | | | |
| Fewer than 5 | 7.4 | 11.7 | 75.8 | 6.7 | 11.9 | 60.7 | 7.1 | 10.7 | 12.7 |
| 5 to 9 | 10.3 | 15.5 | 53.1 | 8.7 | 10.1 | 47.6 | 7.1 | 13.9 | 21.8 |
| 10 to 19 | 13.7 | 8.7 | 35.4 | 9.7 | 7.4 | 62.3 | 10.1 | 6.9 | 112.5 |
| 20 to 49 | 14.8 | 9.4 | 32.8 | 11.8 | 7.1 | 31.2 | 10.0 | 6.0 | 31.1 |
| 50 to 99 | 55.9 | 10.6 | 14.2 | 42.1 | 7.9 | 13.5 | 35.5 | 7.4 | 7.0 |
| 100 to 249 | 99.5 | 14.3 | 10.4 | 84.4 | 10.1 | 11.3 | 96.3 | 10.3 | 6.9 |
| 250 or More | 0.0 | 25.2 | 11.8 | 0.0 | 23.7 | 11.4 | 0.0 | 7.7 | 5.0 |
| Weekly Operating Hours | | | | | | | | | |
| Fewer than 40 | 14.2 | 19.6 | 35.5 | 11.4 | 17.1 | 36.0 | 7.1 | 19.0 | 33.2 |
| 40 to 48 | 7.4 | 9.9 | 27.9 | 7.3 | 7.8 | 28.7 | 5.1 | 8.0 | 37.8 |
| 49 to 60 | 8.9 | 9.4 | 23.0 | 7.7 | 7.2 | 19.2 | 8.5 | 6.5 | 6.6 |
| 61 to 84 | 11.5 | 11.8 | 15.3 | 10.6 | 8.2 | 16.3 | 9.5 | 9.2 | 10.6 |
| 85 to 167 | 11.9 | 14.2 | 19.3 | 13.5 | 11.9 | 13.4 | 9.6 | 10.1 | 10.2 |
| Open Continuously | 24.3 | 10.6 | 11.8 | 18.5 | 8.9 | 9.7 | 22.4 | 7.3 | 6.8 |
| Ownership and Occupancy | | | | | | | | | |
| Nongovernment Owned | 6.2 | 7.0 | 8.7 | 5.2 | 4.8 | 10.3 | 5.6 | 5.5 | 7.4 |
| Owner Occupied | 10.9 | 9.8 | 10.5 | 6.9 | 7.0 | 10.7 | 8.1 | 7.1 | 6.9 |
| Nonowner Occupied | 7.1 | 9.8 | 13.9 | 7.1 | 6.5 | 14.0 | 7.1 | 6.9 | 9.2 |
| Unoccupied | 52.6 | 64.8 | 63.1 | 35.5 | 52.4 | 53.6 | 37.8 | 75.7 | 40.6 |
| Government Owned | 13.8 | 9.2 | 15.6 | 10.9 | 7.5 | 11.5 | 9.1 | 5.1 | 7.7 |
| Federal | 46.6 | 25.0 | 42.1 | 44.3 | 30.9 | 39.2 | 27.3 | 16.4 | 16.0 |
| State | 31.1 | 17.2 | 27.1 | 25.5 | 14.7 | 21.2 | 19.2 | 10.2 | 9.4 |
| Local | 14.8 | 11.2 | 15.1 | 11.9 | 9.2 | 10.8 | 10.0 | 7.1 | 9.6 |
| Vacancy Status | | | | | | | | | |
| Completely Vacant | 52.6 | 52.5 | 56.2 | 35.5 | 49.2 | 46.3 | 37.8 | 66.6 | 37.0 |
| Mostly Vacant | 64.8 | 57.2 | 58.0 | 54.3 | 48.0 | 74.2 | 21.5 | 43.7 | 40.8 |
| Partially Vacant | 15.9 | 10.6 | 11.7 | 11.6 | 7.9 | 11.4 | 12.1 | 7.5 | 5.5 |
| Not At All Vacant | 6.0 | 6.4 | 10.5 | 5.5 | 4.2 | 10.7 | 5.7 | 4.6 | 8.0 |

RSEs for Table C21. Electricity Consumption and Conditional Energy Intensity by Building Size for Non-Mall Buildings, 2003

| | RSEs for Total Electricity Consumption | | | RSEs for Total Floorspace of Buildings Using Electricity | | | RSEs for Electricity Energy Intensity | | |
|---|--|-------------------------------|--------------------------|--|-------------------------------|--------------------------|---------------------------------------|-------------------------------|--------------------------|
| | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet |
| All Buildings* | 5.5 | 6.0 | 8.4 | 5.0 | 4.0 | 8.9 | 5.1 | 4.7 | 5.3 |
| Number of Establishments | | | | | | | | | |
| One | 6.7 | 6.6 | 10.4 | 5.5 | 4.6 | 11.9 | 6.0 | 5.0 | 9.2 |
| 2 to 5 | 14.5 | 11.7 | 11.5 | 11.7 | 9.5 | 10.3 | 7.6 | 8.4 | 5.9 |
| 6 to 10 | 47.4 | 21.2 | 36.3 | 46.3 | 13.7 | 27.0 | 33.5 | 14.5 | 16.5 |
| 11 to 20 | X | 24.0 | 23.8 | X | 20.2 | 23.0 | X | 18.5 | 12.0 |
| More than 20 | 100.1 | 36.4 | 18.4 | 100.1 | 35.3 | 17.9 | 0.0 | 17.2 | 9.5 |
| Currently Unoccupied | 52.6 | 52.5 | 56.2 | 35.5 | 49.2 | 46.3 | 37.8 | 66.6 | 37.0 |
| Predominant Exterior Wall Material | | | | | | | | | |
| Brick, Stone or Stucco | 7.7 | 7.5 | 11.5 | 6.8 | 5.0 | 12.1 | 5.5 | 5.1 | 8.7 |
| Concrete (Block or Poured) | 14.2 | 12.6 | 14.1 | 9.6 | 10.2 | 13.5 | 10.8 | 10.5 | 9.4 |
| Concrete Panels | 34.3 | 19.5 | 22.1 | 27.3 | 10.0 | 16.6 | 25.7 | 16.5 | 10.3 |
| Siding or Shingles | 19.2 | 18.0 | 55.3 | 11.1 | 19.0 | 31.3 | 18.1 | 18.0 | 46.8 |
| Metal Panels | 17.5 | 18.2 | 23.3 | 12.1 | 12.1 | 21.2 | 11.8 | 14.7 | 13.6 |
| Window Glass | 61.5 | 46.6 | 30.7 | 50.6 | 35.8 | 27.4 | 37.9 | 20.0 | 16.1 |
| Other | 63.1 | 37.0 | 30.8 | 49.3 | 36.6 | 28.4 | 52.7 | 14.9 | 13.3 |
| No One Major Type | 63.1 | 58.3 | 48.4 | 51.9 | 42.8 | 38.9 | 50.7 | 26.3 | 19.6 |
| Predominant Roof Material | | | | | | | | | |
| Built-Up | 9.5 | 8.5 | 11.9 | 8.2 | 5.8 | 9.7 | 9.1 | 7.6 | 6.8 |
| Shingles (Not Wood) | 13.0 | 12.1 | 31.3 | 7.1 | 7.3 | 23.3 | 12.0 | 10.1 | 21.4 |
| Metal Surfacing | 11.5 | 12.1 | 25.9 | 9.0 | 10.0 | 21.0 | 6.4 | 9.4 | 13.2 |
| Synthetic or Rubber | 15.3 | 11.1 | 11.6 | 12.2 | 8.5 | 9.6 | 11.4 | 6.5 | 6.7 |
| Slate or Tile | 18.5 | 23.5 | 44.8 | 14.4 | 18.3 | 38.0 | 14.4 | 18.0 | 22.8 |
| Wooden Materials | 26.6 | 40.1 | 44.8 | 29.2 | 37.0 | 46.2 | 12.4 | 29.9 | 21.7 |
| Concrete | 53.8 | 46.0 | 58.1 | 46.9 | 33.8 | 55.3 | 23.8 | 28.0 | 87.6 |
| Other | 100.1 | 34.4 | 49.4 | 100.1 | 34.6 | 51.1 | 0.0 | 19.4 | 28.2 |
| No One Major Type | 56.9 | 36.8 | 57.1 | 51.6 | 44.1 | 58.1 | 39.3 | 30.0 | 4.4 |
| Renovations in Buildings Constructed Before 1980 (more than one may apply) | | | | | | | | | |
| Any Type of Renovation | 9.7 | 9.2 | 10.6 | 9.3 | 7.1 | 10.6 | 8.4 | 7.2 | 7.3 |
| Since 1980 | 22.6 | 15.8 | 14.9 | 17.9 | 12.1 | 18.4 | 17.3 | 8.7 | 17.0 |
| Addition or Annex | 74.2 | 47.6 | 35.3 | 68.6 | 34.5 | 33.4 | 6.3 | 31.6 | 16.8 |
| Reduction In Floorspace | 11.6 | 9.8 | 11.0 | 10.5 | 7.7 | 11.7 | 8.3 | 8.2 | 8.2 |
| Cosmetic Improvements | 14.2 | 13.4 | 13.6 | 13.9 | 10.6 | 13.0 | 9.8 | 11.4 | 10.9 |
| Wall or Roof Replacement | 13.8 | 14.5 | 11.8 | 12.3 | 11.1 | 12.1 | 10.5 | 9.4 | 9.1 |
| Interior Wall | | | | | | | | | |
| Re-Configuration | 15.9 | 10.6 | 11.5 | 12.8 | 8.5 | 11.6 | 11.4 | 8.4 | 4.8 |
| HVAC Equipment Upgrade | 14.1 | 10.9 | 13.0 | 11.7 | 8.6 | 12.8 | 13.1 | 9.3 | 8.9 |
| Lighting Upgrade | 18.5 | 15.0 | 17.0 | 13.9 | 10.1 | 16.1 | 13.4 | 12.4 | 16.7 |
| Window Replacement | 17.8 | 14.0 | 14.5 | 15.0 | 11.4 | 14.9 | 15.8 | 10.4 | 9.9 |
| Plumbing System Upgrade | 25.7 | 18.0 | 17.6 | 22.3 | 13.9 | 18.5 | 19.1 | 15.3 | 9.1 |
| Insulation Upgrade | 70.1 | 38.1 | 45.9 | 64.4 | 39.2 | 37.8 | 27.2 | 37.6 | 30.5 |
| Other Renovation | 7.5 | 8.6 | 26.6 | 8.0 | 7.0 | 22.6 | 6.1 | 7.8 | 16.1 |
| No Renovations Since 1980 | 10.3 | 9.5 | 9.9 | 7.2 | 7.0 | 8.7 | 8.8 | 5.9 | 4.3 |

RSEs for Table C21. Electricity Consumption and Conditional Energy Intensity by Building Size for Non-Mall Buildings, 2003

| | RSEs for Total Electricity Consumption | | | RSEs for Total Floorspace of Buildings Using Electricity | | | RSEs for Electricity Energy Intensity | | |
|--|--|-------------------------------|--------------------------|--|-------------------------------|--------------------------|---------------------------------------|-------------------------------|--------------------------|
| | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet |
| All Buildings* | 5.5 | 6.0 | 8.4 | 5.0 | 4.0 | 8.9 | 5.1 | 4.7 | 5.3 |
| Energy Sources (more than one may apply) | | | | | | | | | |
| Electricity | 5.5 | 6.0 | 8.4 | 5.0 | 4.0 | 8.9 | 5.1 | 4.7 | 5.3 |
| Natural Gas | 7.9 | 7.0 | 10.6 | 7.3 | 5.7 | 9.9 | 6.6 | 4.8 | 7.4 |
| Fuel Oil | 20.5 | 12.9 | 11.8 | 18.6 | 13.5 | 11.6 | 12.4 | 10.8 | 5.1 |
| District Heat | 39.4 | 20.6 | 19.6 | 36.5 | 19.0 | 18.7 | 37.1 | 15.1 | 5.6 |
| District Chilled Water | 68.5 | 20.0 | 22.7 | 67.1 | 16.5 | 19.7 | 73.6 | 12.6 | 8.8 |
| Propane | 29.4 | 18.8 | 26.5 | 18.4 | 14.7 | 27.4 | 24.1 | 13.4 | 6.0 |
| Other | 22.0 | 38.9 | 42.4 | 21.2 | 27.0 | 30.1 | 15.1 | 23.4 | 30.3 |
| Space-Heating Energy Sources | | | | | | | | | |
| Electricity | 9.1 | 8.0 | 10.4 | 8.2 | 6.0 | 9.0 | 6.1 | 5.6 | 5.7 |
| Electricity Main | 11.3 | 10.9 | 10.6 | 10.9 | 9.4 | 12.4 | 7.6 | 7.0 | 7.3 |
| Electricity Secondary | 13.6 | 12.6 | 17.5 | 12.5 | 8.5 | 12.9 | 9.1 | 9.5 | 9.4 |
| Other Excluding Electricity | 8.0 | 7.1 | 10.7 | 6.7 | 5.6 | 14.3 | 8.1 | 5.8 | 10.6 |
| Buildings without Heating | 27.0 | 20.9 | 43.5 | 16.2 | 16.0 | 30.7 | 21.5 | 16.6 | 36.9 |
| Primary Space-Heating Energy Source | | | | | | | | | |
| Electricity | 11.3 | 10.9 | 10.6 | 10.9 | 9.4 | 12.4 | 7.6 | 7.0 | 7.3 |
| Natural Gas | 8.1 | 7.9 | 11.6 | 7.7 | 6.0 | 9.1 | 6.7 | 6.1 | 7.5 |
| Fuel Oil | 17.5 | 20.7 | 29.8 | 16.5 | 23.6 | 64.5 | 9.9 | 14.4 | 140.2 |
| District Heat | 39.4 | 21.9 | 21.0 | 36.5 | 20.5 | 20.2 | 37.1 | 15.7 | 5.1 |
| Propane | 39.0 | 40.8 | 47.5 | 22.5 | 27.3 | 61.5 | 34.3 | 21.9 | 39.6 |
| Other | 29.7 | 53.2 | 95.5 | 29.1 | 47.1 | 95.5 | 12.7 | 18.5 | 0.0 |
| Cooling Energy Sources | | | | | | | | | |
| Electricity | 5.9 | 6.3 | 8.7 | 5.3 | 4.2 | 8.6 | 5.2 | 4.1 | 6.2 |
| Other Excluding Electricity | 86.1 | 19.9 | 22.8 | 89.5 | 21.0 | 20.0 | 597.2 | 12.0 | 10.5 |
| Buildings without Cooling | 14.2 | 19.1 | 75.2 | 10.1 | 19.8 | 52.3 | 12.3 | 11.6 | 19.3 |
| Water-Heating Energy Sources | | | | | | | | | |
| Electricity | 9.4 | 9.7 | 7.7 | 8.3 | 6.9 | 9.1 | 6.0 | 6.4 | 6.2 |
| Other Excluding Electricity | 9.2 | 7.0 | 12.1 | 7.0 | 5.9 | 10.4 | 8.6 | 5.5 | 7.7 |
| Bldgs without Water Heating | 14.5 | 16.7 | 76.4 | 9.0 | 12.3 | 52.7 | 13.5 | 14.5 | 21.1 |
| Cooking Energy Sources | | | | | | | | | |
| Electricity | 14.6 | 12.3 | 11.1 | 11.8 | 9.6 | 9.8 | 12.4 | 7.7 | 5.3 |
| Other Excluding Electricity | 17.9 | 15.0 | 19.5 | 12.1 | 9.7 | 23.3 | 14.7 | 9.9 | 26.8 |
| Buildings without Cooking | 5.6 | 6.9 | 11.1 | 5.4 | 4.5 | 11.8 | 4.3 | 5.5 | 6.5 |
| Energy End Uses (more than one may apply) | | | | | | | | | |
| Buildings with Space Heating | 5.6 | 6.1 | 8.4 | 5.0 | 4.0 | 9.0 | 5.4 | 4.7 | 5.4 |
| Buildings with Cooling | 5.8 | 6.2 | 8.3 | 5.3 | 4.1 | 8.2 | 5.2 | 4.0 | 5.6 |
| Buildings with Water Heating | 6.1 | 6.2 | 8.3 | 5.2 | 4.1 | 8.4 | 5.5 | 4.5 | 5.9 |
| Buildings with Cooking | 10.7 | 9.3 | 10.8 | 8.3 | 7.0 | 11.5 | 10.2 | 6.3 | 9.5 |
| Buildings with Manufacturing | 24.4 | 28.3 | 30.5 | 22.5 | 17.9 | 26.3 | 16.7 | 25.1 | 12.4 |
| Buildings with Electricity Generation | 29.4 | 12.9 | 9.0 | 25.3 | 10.3 | 8.9 | 27.9 | 7.5 | 4.8 |

RSEs for Table C21. Electricity Consumption and Conditional Energy Intensity by Building Size for Non-Mall Buildings, 2003

| | RSEs for Total Electricity Consumption | | | RSEs for Total Floorspace of Buildings Using Electricity | | | RSEs for Electricity Energy Intensity | | |
|--|--|-------------------------------|--------------------------|--|-------------------------------|--------------------------|---------------------------------------|-------------------------------|--------------------------|
| | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet |
| All Buildings* | 5.5 | 6.0 | 8.4 | 5.0 | 4.0 | 8.9 | 5.1 | 4.7 | 5.3 |
| Percent of Floorspace Heated | | | | | | | | | |
| Not Heated | 27.0 | 20.9 | 43.5 | 16.2 | 16.0 | 30.7 | 21.5 | 16.6 | 36.9 |
| 1 to 50 | 17.8 | 22.9 | 33.1 | 12.9 | 11.9 | 25.0 | 14.1 | 17.8 | 25.5 |
| 51 to 99 | 13.5 | 13.0 | 16.3 | 10.8 | 9.7 | 14.9 | 10.4 | 11.5 | 6.1 |
| 100 | 7.1 | 6.6 | 9.6 | 5.9 | 4.6 | 11.5 | 6.5 | 5.0 | 8.1 |
| Percent of Floorspace Cooled | | | | | | | | | |
| Not Cooled | 14.2 | 19.1 | 75.2 | 10.1 | 19.8 | 52.3 | 12.3 | 11.6 | 19.3 |
| 1 to 50 | 9.4 | 12.6 | 15.0 | 9.2 | 8.5 | 14.5 | 6.9 | 9.4 | 13.2 |
| 51 to 99 | 12.9 | 9.4 | 10.8 | 10.2 | 7.5 | 12.1 | 9.1 | 7.5 | 8.5 |
| 100 | 8.3 | 8.5 | 12.0 | 6.6 | 6.4 | 9.9 | 7.8 | 4.6 | 5.5 |
| Percent Lit When Open | | | | | | | | | |
| Zero | 72.3 | 55.8 | 100.3 | 41.4 | 58.4 | 100.3 | 82.8 | 31.8 | 0.0 |
| 1 to 50 | 12.5 | 10.8 | 24.0 | 11.0 | 9.3 | 18.0 | 7.6 | 8.9 | 22.1 |
| 51 to 99 | 10.0 | 8.9 | 9.2 | 7.9 | 6.8 | 8.6 | 8.1 | 6.6 | 4.7 |
| 100 | 6.7 | 8.3 | 11.7 | 5.8 | 5.5 | 11.1 | 7.3 | 5.5 | 7.1 |
| Building Never Open/ Electricity Not Used | 35.9 | 50.7 | 51.3 | 29.2 | 45.8 | 45.4 | 20.2 | 63.8 | 34.5 |
| Percent Lit When Closed | | | | | | | | | |
| Zero | 7.6 | 8.4 | 24.1 | 6.2 | 6.7 | 23.4 | 6.0 | 7.4 | 9.4 |
| 1 to 50 | 6.3 | 8.2 | 9.4 | 6.3 | 5.0 | 10.7 | 5.2 | 6.7 | 6.6 |
| 51 to 100 | 29.2 | 31.9 | 22.5 | 16.7 | 18.0 | 20.4 | 22.6 | 18.7 | 8.6 |
| Building Never Closed/ Electricity Not Used | 24.3 | 10.6 | 11.8 | 18.5 | 8.9 | 9.7 | 22.4 | 7.3 | 6.8 |
| Heating Equipment (more than one may apply) | | | | | | | | | |
| Heat Pumps | 19.3 | 13.6 | 21.9 | 15.9 | 11.1 | 15.9 | 13.8 | 9.5 | 12.2 |
| Packaged Heat Pumps | 27.6 | 17.2 | 26.7 | 20.9 | 11.6 | 18.5 | 14.6 | 12.7 | 15.7 |
| Split-System Heat Pumps | 14.9 | 24.4 | 52.7 | 22.4 | 18.3 | 35.2 | 14.1 | 16.7 | 35.5 |
| Individual Room Heat Pumps | 36.7 | 16.6 | 23.0 | 31.9 | 14.4 | 21.5 | 15.7 | 9.1 | 12.8 |
| Furnaces | 8.3 | 9.7 | 13.9 | 7.7 | 8.0 | 12.6 | 6.1 | 7.7 | 9.4 |
| Individual Space Heaters | 11.5 | 10.6 | 17.6 | 12.2 | 8.6 | 12.5 | 5.8 | 8.1 | 11.5 |
| District Heat | 39.4 | 20.6 | 20.5 | 36.5 | 19.0 | 19.6 | 37.1 | 15.1 | 5.9 |
| Boilers | 13.4 | 10.1 | 12.1 | 10.3 | 6.7 | 13.4 | 11.2 | 7.7 | 11.8 |
| Packaged Heating Units | 12.5 | 9.6 | 9.4 | 9.2 | 6.5 | 9.8 | 9.9 | 6.3 | 6.6 |
| Other | 17.5 | 23.8 | 20.3 | 16.3 | 22.1 | 23.3 | 14.4 | 8.7 | 17.2 |
| Cooling Equipment (more than one may apply) | | | | | | | | | |
| Residential-Type Central | | | | | | | | | |
| Air Conditioners | 11.6 | 13.3 | 28.4 | 10.1 | 7.0 | 22.5 | 7.2 | 10.9 | 27.8 |
| Heat Pumps | 16.6 | 13.7 | 20.6 | 14.2 | 10.8 | 16.1 | 10.9 | 9.3 | 11.6 |
| Packaged Heat Pumps | 25.0 | 17.5 | 27.8 | 19.7 | 12.0 | 19.2 | 12.6 | 12.2 | 16.4 |
| Split-System Heat Pumps | 17.5 | 24.5 | 53.5 | 22.0 | 17.8 | 35.8 | 9.2 | 17.2 | 36.3 |
| Individual Room Heat Pumps | 36.7 | 16.9 | 25.3 | 31.9 | 14.5 | 21.6 | 15.7 | 9.2 | 11.0 |
| Individual Air Conditioners | 13.2 | 9.8 | 16.3 | 10.5 | 8.4 | 15.9 | 8.5 | 7.6 | 14.7 |
| District Chilled Water | 68.5 | 20.0 | 22.7 | 67.1 | 16.5 | 19.7 | 73.6 | 12.6 | 8.8 |
| Central Chillers | 81.8 | 10.7 | 12.8 | 63.8 | 9.8 | 11.0 | 66.8 | 4.7 | 5.5 |
| Packaged Air Conditioning | | | | | | | | | |
| Units | 9.6 | 7.4 | 7.7 | 7.0 | 5.9 | 11.2 | 6.8 | 4.6 | 9.5 |
| Swamp Coolers | 21.8 | 18.0 | 35.0 | 21.7 | 16.9 | 33.4 | 20.8 | 8.8 | 11.8 |
| Other | 76.4 | 30.5 | 24.7 | 57.5 | 27.6 | 23.8 | 31.6 | 15.3 | 16.4 |

RSEs for Table C21. Electricity Consumption and Conditional Energy Intensity by Building Size for Non-Mall Buildings, 2003

| | RSEs for Total Electricity Consumption | | | RSEs for Total Floorspace of Buildings Using Electricity | | | RSEs for Electricity Energy Intensity | | |
|--|--|-------------------------------|--------------------------|--|-------------------------------|--------------------------|---------------------------------------|-------------------------------|--------------------------|
| | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet |
| All Buildings* | 5.5 | 6.0 | 8.4 | 5.0 | 4.0 | 8.9 | 5.1 | 4.7 | 5.3 |
| Main Equipment Replaced Since 1990 (more than one may apply) | | | | | | | | | |
| Heating | 8.6 | 10.1 | 16.4 | 7.2 | 7.0 | 12.9 | 6.4 | 7.1 | 12.0 |
| Cooling | 7.6 | 10.2 | 13.9 | 7.5 | 7.1 | 11.2 | 6.4 | 6.7 | 9.3 |
| Water Heating Equipment | | | | | | | | | |
| Centralized System | 6.5 | 7.5 | 8.8 | 5.1 | 4.6 | 10.1 | 5.9 | 5.8 | 6.9 |
| Distributed System | 17.0 | 11.7 | 18.4 | 12.4 | 9.3 | 22.5 | 10.6 | 6.8 | 23.1 |
| Combination of Centralized and Distributed System | 31.4 | 13.9 | 13.3 | 28.7 | 9.0 | 11.2 | 15.1 | 8.6 | 7.8 |
| Lighting Equipment Types (more than one may apply) | | | | | | | | | |
| Incandescent | 8.9 | 7.1 | 10.2 | 5.9 | 5.0 | 10.3 | 8.0 | 5.5 | 7.9 |
| Standard Fluorescent | 5.8 | 6.1 | 8.4 | 4.6 | 4.2 | 8.7 | 5.2 | 4.6 | 5.4 |
| Compact Fluorescent | 9.8 | 8.1 | 9.6 | 7.6 | 6.0 | 8.5 | 10.0 | 5.1 | 5.0 |
| High Intensity Discharge | 16.9 | 9.7 | 10.0 | 12.6 | 6.8 | 9.7 | 12.6 | 7.9 | 4.8 |
| Halogen | 16.3 | 9.4 | 11.2 | 11.8 | 7.5 | 9.6 | 12.3 | 6.4 | 6.2 |
| Other | 74.9 | 83.9 | 36.7 | 70.9 | 66.6 | 40.6 | 32.3 | 19.0 | 10.5 |
| Refrigeration Equipment (more than one may apply)^a | | | | | | | | | |
| Any Refrigeration..... | 6.1 | 6.5 | 8.3 | 5.7 | 4.2 | 8.5 | 5.5 | 4.9 | 5.9 |
| Commercial Refrigeration | 9.3 | 9.9 | 9.8 | 7.7 | 6.6 | 9.4 | 8.0 | 6.2 | 7.4 |
| Walk-In Units | 10.3 | 9.9 | 10.0 | 8.4 | 6.6 | 11.1 | 8.6 | 7.8 | 9.3 |
| Cases or Cabinets | 11.5 | 11.7 | 11.0 | 8.9 | 8.2 | 8.9 | 8.9 | 7.1 | 6.2 |
| Residential-Type Units | 7.7 | 7.3 | 10.3 | 7.0 | 4.8 | 10.4 | 3.6 | 5.7 | 8.3 |
| Vending Machines | 11.8 | 7.3 | 8.3 | 10.1 | 5.3 | 7.6 | 9.4 | 4.6 | 4.6 |
| No Refrigeration | 8.4 | 13.4 | 60.4 | 8.0 | 11.4 | 43.0 | 6.7 | 11.8 | 17.1 |
| Office Equipment (more than one may apply) | | | | | | | | | |
| Computers | 7.1 | 6.1 | 8.2 | 5.5 | 4.1 | 8.4 | 5.9 | 4.4 | 5.3 |
| With Flat Screen Monitors | 11.9 | 8.7 | 9.7 | 9.6 | 6.2 | 8.7 | 7.5 | 5.4 | 4.5 |
| Dedicated Servers | 12.7 | 7.3 | 8.8 | 6.9 | 5.1 | 7.8 | 9.8 | 4.6 | 4.2 |
| Laser Printers | 8.6 | 6.2 | 10.9 | 6.3 | 5.1 | 9.2 | 8.0 | 5.0 | 7.3 |
| Inkjet Printers | 9.0 | 8.7 | 9.9 | 8.4 | 5.3 | 8.4 | 7.1 | 5.3 | 4.7 |
| FAX Machines | 7.1 | 6.3 | 8.3 | 5.5 | 4.3 | 8.2 | 6.0 | 4.7 | 5.5 |
| Photocopiers | 10.7 | 6.4 | 8.3 | 7.4 | 4.2 | 8.2 | 8.3 | 4.4 | 5.6 |
| Number of Computers | | | | | | | | | |
| None | 11.0 | 15.9 | 72.6 | 9.4 | 15.4 | 51.1 | 7.9 | 18.3 | 19.3 |
| 1 to 4 | 8.2 | 14.1 | 51.1 | 6.5 | 11.0 | 45.4 | 6.9 | 13.6 | 51.0 |
| 5 to 9 | 11.7 | 11.5 | 30.1 | 10.2 | 9.0 | 27.9 | 8.0 | 8.6 | 21.5 |
| 10 to 19 | 15.7 | 14.1 | 31.7 | 14.6 | 10.5 | 25.1 | 9.9 | 10.8 | 18.1 |
| 20 to 49 | 29.1 | 12.7 | 19.1 | 16.1 | 8.8 | 18.8 | 27.1 | 6.8 | 12.3 |
| 50 to 99 | 61.5 | 11.0 | 20.2 | 55.9 | 9.1 | 31.2 | 34.8 | 7.0 | 31.9 |
| 100 to 249 | X | 11.9 | 15.0 | X | 10.5 | 12.1 | X | 7.7 | 6.3 |
| 250 or More | 0.0 | 23.4 | 10.4 | 0.0 | 19.7 | 9.4 | 0.0 | 16.4 | 5.3 |

RSEs for Table C21. Electricity Consumption and Conditional Energy Intensity by Building Size for Non-Mall Buildings, 2003

| | RSEs for Total Electricity Consumption | | | RSEs for Total Floorspace of Buildings Using Electricity | | | RSEs for Electricity Energy Intensity | | |
|--|--|-------------------------------|--------------------------|--|-------------------------------|--------------------------|---------------------------------------|-------------------------------|--------------------------|
| | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet |
| All Buildings* | 5.5 | 6.0 | 8.4 | 5.0 | 4.0 | 8.9 | 5.1 | 4.7 | 5.3 |
| Number of Dedicated Servers | | | | | | | | | |
| None | 7.1 | 7.9 | 18.5 | 6.2 | 6.7 | 25.0 | 5.4 | 7.0 | 14.7 |
| 1 to 4 | 8.3 | 7.1 | 8.1 | 6.2 | 5.4 | 10.4 | 6.1 | 5.1 | 8.2 |
| 5 to 9 | 89.3 | 21.1 | 32.9 | 59.2 | 14.8 | 21.3 | 79.5 | 13.3 | 19.5 |
| 10 to 19 | 75.0 | 23.2 | 17.6 | 62.8 | 16.7 | 14.9 | 43.2 | 11.2 | 9.0 |
| 20 to 49 | 0.0 | 33.2 | 18.9 | 0.0 | 23.4 | 20.0 | 0.0 | 23.3 | 6.6 |
| 50 or More | 0.0 | 45.8 | 19.6 | 0.0 | 47.5 | 20.1 | 0.0 | 11.3 | 10.4 |
| Number of Photocopiers | | | | | | | | | |
| None | 6.8 | 11.7 | 28.2 | 7.2 | 10.4 | 34.3 | 6.2 | 10.8 | 7.9 |
| One | 9.7 | 8.3 | 21.4 | 9.0 | 7.2 | 26.1 | 6.6 | 6.8 | 31.1 |
| 2 to 4 | 14.9 | 9.2 | 12.4 | 11.4 | 5.5 | 12.0 | 10.0 | 6.5 | 6.7 |
| 5 to 9 | 82.2 | 14.8 | 18.0 | 46.7 | 12.2 | 18.9 | 72.7 | 8.6 | 17.2 |
| 10 or More | 0.0 | 16.6 | 12.3 | 0.0 | 14.6 | 11.1 | 0.0 | 9.7 | 5.6 |
| Energy-Related Space Functions (more than one may apply) | | | | | | | | | |
| Commercial Food Preparation | 10.7 | 9.3 | 10.8 | 8.3 | 7.0 | 11.5 | 10.2 | 6.3 | 9.5 |
| Activities with Large Amounts of Hot Water | 20.4 | 8.9 | 11.3 | 10.1 | 6.0 | 12.3 | 17.1 | 6.7 | 10.8 |
| Separate Computer Area | 20.8 | 8.3 | 9.6 | 16.3 | 5.7 | 8.8 | 7.3 | 5.4 | 4.7 |
| HVAC Conservation Features (more than one may apply) | | | | | | | | | |
| Variable Air-Volume System | 15.4 | 11.1 | 10.2 | 13.6 | 8.2 | 8.3 | 12.6 | 5.3 | 4.5 |
| Economizer Cycle | 13.4 | 9.7 | 9.7 | 11.4 | 7.7 | 8.1 | 11.6 | 5.0 | 4.4 |
| HVAC Maintenance | 7.4 | 6.6 | 8.5 | 5.3 | 4.5 | 9.3 | 6.4 | 4.8 | 5.6 |
| Energy Management and Control System (EMCS) | 32.3 | 10.7 | 10.7 | 28.7 | 9.3 | 8.7 | 21.3 | 5.1 | 5.1 |
| Window and Interior Lighting Features (more than one may apply) | | | | | | | | | |
| Multipaned Windows | 7.1 | 7.5 | 7.5 | 6.7 | 5.4 | 9.1 | 5.3 | 4.9 | 7.2 |
| Tinted Window Glass | 9.6 | 7.3 | 10.3 | 6.9 | 5.2 | 9.8 | 7.7 | 5.8 | 4.0 |
| Reflective Window Glass | 19.4 | 15.6 | 14.3 | 15.9 | 10.3 | 10.3 | 15.8 | 12.2 | 8.2 |
| External Overhangs or Awnings | 9.9 | 10.3 | 16.1 | 8.7 | 7.3 | 14.2 | 6.1 | 6.6 | 11.5 |
| Skylights or Atriums | 17.1 | 12.2 | 11.4 | 13.1 | 9.4 | 9.2 | 14.9 | 8.7 | 7.9 |
| Daylighting Sensors | 76.1 | 22.6 | 22.2 | 35.4 | 21.2 | 17.3 | 69.6 | 9.5 | 12.0 |
| Specular Reflectors | 10.6 | 8.9 | 9.7 | 9.5 | 6.0 | 9.4 | 9.6 | 5.8 | 5.4 |
| Electronic Ballasts | 8.3 | 7.0 | 8.9 | 7.1 | 4.3 | 8.3 | 6.9 | 4.8 | 4.3 |
| Energy Management and Control System (EMCS) For Lighting | 66.8 | 19.8 | 12.6 | 68.3 | 21.3 | 14.2 | 48.6 | 8.7 | 7.6 |
| Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^a | | | | | | | | | |
| Heating | 7.9 | 6.6 | 9.7 | 5.7 | 4.6 | 9.5 | 7.7 | 5.5 | 7.2 |
| Cooling | 7.9 | 6.9 | 9.7 | 6.2 | 4.5 | 9.2 | 7.0 | 4.9 | 6.8 |
| Lighting | 4.8 | 6.8 | 10.3 | 5.1 | 4.0 | 10.6 | 4.1 | 5.4 | 5.4 |
| Office Equipment | 8.4 | 9.9 | 20.2 | 7.7 | 6.1 | 18.4 | 4.7 | 8.7 | 14.7 |

RSEs for Table C21. Electricity Consumption and Conditional Energy Intensity by Building Size for Non-Mall Buildings, 2003

| | RSEs for Total Electricity Consumption | | | RSEs for Total Floorspace of Buildings Using Electricity | | | RSEs for Electricity Energy Intensity | | |
|--|--|-------------------------------|--------------------------|--|-------------------------------|--------------------------|---------------------------------------|-------------------------------|--------------------------|
| | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet |
| All Buildings* | 5.5 | 6.0 | 8.4 | 5.0 | 4.0 | 8.9 | 5.1 | 4.7 | 5.3 |
| Annual Consumption (kilowatthours) | | | | | | | | | |
| 10,000 or Less | 10.3 | 36.7 | 108.0 | 11.1 | 38.8 | 108.0 | 5.1 | 24.4 | 0.0 |
| 10,001 to 50,000 | 7.2 | 14.4 | 100.1 | 7.4 | 14.3 | 100.1 | 3.4 | 6.4 | 0.0 |
| 50,001 to 100,000 | 9.3 | 10.3 | 58.9 | 10.1 | 10.6 | 66.1 | 3.7 | 4.1 | 24.8 |
| 100,001 to 500,000 | 7.2 | 6.4 | 32.0 | 8.5 | 5.4 | 36.9 | 6.2 | 4.0 | 25.5 |
| 500,001 to 1,000,000 | 33.6 | 8.6 | 18.9 | 38.9 | 7.9 | 18.3 | 16.3 | 4.7 | 9.1 |
| 1,000,001 to 5,000,000 | 100.4 | 10.4 | 10.0 | 100.4 | 9.0 | 7.8 | 0.0 | 4.5 | 4.6 |
| Over 5,000,000 | 0.0 | 98.6 | 11.5 | 0.0 | 98.6 | 12.2 | 0.0 | 0.0 | 5.7 |
| Provider of Purchased Electricity (more than one may apply) | | | | | | | | | |
| Local Utility | 5.6 | 6.3 | 8.2 | 5.1 | 4.0 | 9.6 | 5.2 | 5.0 | 6.1 |
| Some Other Provider | 28.4 | 22.6 | 22.9 | 14.3 | 23.6 | 18.6 | 23.9 | 14.0 | 10.8 |

X=No cases in the responding sample reported their consumption for the particular fuel, so relative standard error could not be calculated.

RSEs for Table C22. Electricity Consumption and Conditional Energy Intensity by Year Constructed for Non-Mall Buildings, 2003

| | RSEs for Total Electricity Consumption | | | RSEs for Total Floorspace of Buildings Using Electricity | | | RSEs for Electricity Energy Intensity | | |
|--|--|--------------|--------------|--|--------------|--------------|---------------------------------------|--------------|--------------|
| | 1959 or Before | 1960 to 1989 | 1990 to 2003 | 1959 or Before | 1960 to 1989 | 1990 to 2003 | 1959 or Before | 1960 to 1989 | 1990 to 2003 |
| All Buildings* | 11.0 | 6.1 | 7.3 | 9.2 | 4.3 | 6.2 | 8.2 | 4.5 | 5.7 |
| Building Floorspace (Square Feet) | | | | | | | | | |
| 1,001 to 5,000 | 10.5 | 9.5 | 13.4 | 8.6 | 8.0 | 9.4 | 8.0 | 8.8 | 12.3 |
| 5,001 to 10,000 | 16.1 | 10.9 | 24.8 | 12.4 | 9.6 | 13.7 | 10.3 | 8.0 | 18.6 |
| 10,001 to 25,000 | 21.6 | 11.9 | 18.6 | 12.0 | 7.2 | 12.1 | 20.7 | 10.3 | 16.2 |
| 25,001 to 50,000 | 19.9 | 12.3 | 16.9 | 17.0 | 8.8 | 12.2 | 13.8 | 8.2 | 13.0 |
| 50,001 to 100,000 | 13.0 | 11.1 | 13.7 | 14.0 | 10.5 | 11.0 | 10.4 | 8.4 | 10.5 |
| 100,001 to 200,000 | 30.8 | 12.6 | 18.4 | 31.2 | 11.7 | 18.1 | 34.0 | 8.7 | 8.7 |
| 200,001 to 500,000 | 36.1 | 11.1 | 19.9 | 29.6 | 12.3 | 19.0 | 29.8 | 10.1 | 11.5 |
| Over 500,000 | 20.2 | 23.9 | 30.4 | 22.6 | 21.1 | 26.4 | 12.0 | 11.9 | 17.5 |
| Principal Building Activity | | | | | | | | | |
| Education | 11.2 | 12.0 | 20.9 | 11.9 | 10.1 | 14.7 | 6.7 | 4.7 | 9.6 |
| Food Sales | 45.7 | 23.0 | 24.5 | 31.6 | 21.9 | 27.4 | 22.8 | 9.9 | 15.5 |
| Food Service | 19.3 | 16.6 | 29.3 | 22.0 | 16.8 | 28.1 | 13.2 | 13.1 | 10.7 |
| Health Care | 18.2 | 10.4 | 14.7 | 16.7 | 9.8 | 13.7 | 9.6 | 6.7 | 8.9 |
| Inpatient | 23.9 | 11.0 | 24.9 | 21.6 | 10.5 | 25.9 | 8.0 | 6.1 | 6.6 |
| Outpatient | 29.9 | 24.5 | 18.9 | 26.3 | 19.7 | 16.2 | 15.7 | 20.5 | 13.8 |
| Lodging | 29.7 | 21.1 | 19.6 | 40.7 | 11.4 | 16.0 | 58.5 | 15.8 | 9.8 |
| Retail (Other Than Mall)..... | 22.5 | 18.8 | 20.6 | 17.7 | 13.2 | 16.4 | 16.5 | 10.9 | 13.4 |
| Office | 14.6 | 9.5 | 10.1 | 12.9 | 9.1 | 9.7 | 6.7 | 4.2 | 5.1 |
| Public Assembly | 18.6 | 18.5 | 25.9 | 29.8 | 15.8 | 17.9 | 39.9 | 8.0 | 23.4 |
| Public Order and Safety | 45.1 | 31.6 | 37.0 | 36.4 | 26.3 | 31.1 | 30.2 | 10.4 | 21.1 |
| Religious Worship | 16.4 | 18.2 | 20.2 | 17.7 | 13.1 | 17.2 | 11.2 | 11.0 | 10.2 |
| Service | 24.6 | 33.3 | 21.5 | 22.9 | 16.2 | 16.4 | 16.7 | 25.5 | 10.0 |
| Warehouse and Storage | 56.6 | 22.9 | 15.5 | 32.7 | 15.3 | 15.2 | 21.8 | 14.4 | 14.1 |
| Other | 41.4 | 37.1 | 43.0 | 31.6 | 25.0 | 46.0 | 35.4 | 21.7 | 62.5 |
| Vacant | 35.5 | 39.1 | 69.8 | 29.9 | 46.5 | 51.1 | 27.1 | 37.2 | 26.3 |
| Census Region and Division | | | | | | | | | |
| Northeast | 16.4 | 11.7 | 27.4 | 18.1 | 11.0 | 17.9 | 19.6 | 8.6 | 14.7 |
| New England | 20.2 | 28.1 | 50.6 | 24.0 | 28.9 | 35.6 | 22.9 | 21.8 | 30.0 |
| Middle Atlantic | 18.7 | 13.4 | 32.0 | 21.1 | 12.0 | 20.8 | 23.7 | 8.6 | 16.5 |
| Midwest | 25.7 | 13.1 | 12.1 | 15.7 | 9.0 | 14.2 | 13.3 | 11.3 | 8.6 |
| East North Central | 32.6 | 18.6 | 15.3 | 19.6 | 10.1 | 21.6 | 15.6 | 15.0 | 13.0 |
| West North Central | 25.8 | 12.9 | 19.7 | 23.9 | 21.2 | 15.0 | 13.5 | 15.8 | 10.7 |
| South | 17.4 | 9.4 | 11.0 | 21.1 | 6.8 | 8.7 | 10.4 | 6.7 | 8.9 |
| South Atlantic | 26.2 | 14.4 | 15.6 | 33.4 | 8.8 | 11.1 | 14.7 | 10.2 | 12.2 |
| East South Central | 40.1 | 17.1 | 12.8 | 35.1 | 7.3 | 22.4 | 11.4 | 14.3 | 15.7 |
| West South Central | 23.3 | 13.1 | 20.2 | 28.5 | 14.0 | 20.7 | 20.7 | 9.4 | 15.5 |
| West | 16.3 | 13.2 | 16.6 | 14.6 | 8.9 | 14.7 | 10.2 | 10.0 | 13.7 |
| Mountain | 32.1 | 25.9 | 21.7 | 18.8 | 17.7 | 27.4 | 20.8 | 22.0 | 20.1 |
| Pacific | 18.6 | 11.0 | 20.6 | 19.1 | 8.5 | 17.1 | 12.1 | 4.5 | 17.1 |
| Climate Zone: 30-Year Average | | | | | | | | | |
| Under 2,000 CDD and -- | | | | | | | | | |
| More than 7,000 HDD | 16.3 | 14.9 | 17.6 | 12.7 | 14.2 | 19.6 | 11.7 | 8.5 | 9.9 |
| 5,500-7,000 HDD | 26.2 | 16.0 | 15.7 | 16.8 | 10.3 | 16.3 | 13.8 | 12.5 | 10.1 |
| 4,000-5,499 HDD | 22.2 | 25.8 | 23.0 | 24.5 | 20.0 | 20.0 | 22.0 | 11.3 | 7.1 |
| Fewer than 4,000 HDD | 18.3 | 12.1 | 17.1 | 21.7 | 12.3 | 14.6 | 8.9 | 6.5 | 13.3 |
| 2,000 CDD or More and -- | | | | | | | | | |
| Fewer than 4,000 HDD | 27.9 | 12.7 | 20.2 | 29.2 | 12.3 | 17.0 | 11.0 | 5.5 | 12.4 |

RSEs for Table C22. Electricity Consumption and Conditional Energy Intensity by Year Constructed for Non-Mall Buildings, 2003

| | RSEs for Total Electricity Consumption | | | RSEs for Total Floorspace of Buildings Using Electricity | | | RSEs for Electricity Energy Intensity | | |
|---|--|--------------|--------------|--|--------------|--------------|---------------------------------------|--------------|--------------|
| | 1959 or Before | 1960 to 1989 | 1990 to 2003 | 1959 or Before | 1960 to 1989 | 1990 to 2003 | 1959 or Before | 1960 to 1989 | 1990 to 2003 |
| All Buildings* | 11.0 | 6.1 | 7.3 | 9.2 | 4.3 | 6.2 | 8.2 | 4.5 | 5.7 |
| Number of Floors | | | | | | | | | |
| One | 25.2 | 6.8 | 7.7 | 15.4 | 6.2 | 7.4 | 13.9 | 5.5 | 7.1 |
| Two | 12.2 | 11.3 | 17.3 | 13.9 | 8.1 | 10.3 | 10.1 | 7.8 | 13.2 |
| Three | 12.5 | 17.0 | 22.6 | 12.5 | 11.3 | 18.4 | 10.3 | 9.9 | 10.9 |
| Four to Nine | 18.6 | 14.9 | 21.6 | 22.2 | 10.5 | 17.9 | 17.8 | 7.3 | 8.2 |
| Ten or More | 18.3 | 18.5 | 30.3 | 18.2 | 18.1 | 32.0 | 9.6 | 9.0 | 9.2 |
| Elevators and Escalators (more than one may apply) | | | | | | | | | |
| Any Elevators | 12.0 | 10.0 | 10.5 | 12.3 | 7.8 | 8.5 | 10.2 | 4.5 | 6.5 |
| Number of Elevators | | | | | | | | | |
| One | 16.1 | 14.5 | 12.9 | 15.9 | 12.3 | 12.4 | 10.9 | 7.6 | 7.3 |
| Two to Five | 16.2 | 11.0 | 19.2 | 19.2 | 8.9 | 15.5 | 20.2 | 5.6 | 7.9 |
| Six or More | 21.3 | 18.5 | 26.7 | 23.4 | 16.6 | 20.3 | 6.5 | 9.3 | 16.1 |
| Any Escalators | 59.9 | 30.3 | 53.8 | 50.6 | 22.8 | 38.0 | 40.2 | 15.3 | 35.5 |
| Number of Workers (main shift) | | | | | | | | | |
| Fewer than 5 | 32.6 | 9.7 | 11.6 | 15.4 | 11.0 | 9.9 | 18.5 | 11.3 | 12.4 |
| 5 to 9 | 10.9 | 12.6 | 14.4 | 13.5 | 10.5 | 14.4 | 12.0 | 9.9 | 12.8 |
| 10 to 19 | 18.4 | 9.1 | 12.6 | 24.7 | 8.5 | 12.0 | 26.9 | 9.8 | 10.8 |
| 20 to 49 | 14.0 | 11.2 | 16.8 | 20.9 | 9.1 | 16.8 | 20.8 | 8.3 | 9.4 |
| 50 to 99 | 30.1 | 10.5 | 12.8 | 11.7 | 10.9 | 12.5 | 29.6 | 5.4 | 7.2 |
| 100 to 249 | 18.7 | 13.3 | 16.6 | 20.9 | 12.6 | 12.2 | 15.1 | 7.7 | 13.2 |
| 250 or More | 17.3 | 14.4 | 19.4 | 18.7 | 12.8 | 16.6 | 9.5 | 6.6 | 8.6 |
| Weekly Operating Hours | | | | | | | | | |
| Fewer than 40 | 14.1 | 15.3 | 20.4 | 12.9 | 18.7 | 15.8 | 11.5 | 16.8 | 13.5 |
| 40 to 48 | 13.1 | 13.6 | 13.6 | 14.5 | 9.6 | 9.2 | 16.1 | 7.9 | 13.8 |
| 49 to 60 | 28.2 | 10.4 | 11.6 | 15.5 | 7.9 | 11.0 | 13.4 | 6.3 | 5.7 |
| 61 to 84 | 14.3 | 10.9 | 15.8 | 16.3 | 9.3 | 15.9 | 9.7 | 6.7 | 12.9 |
| 85 to 167 | 28.0 | 8.4 | 17.4 | 20.3 | 10.4 | 15.5 | 19.9 | 8.3 | 9.3 |
| Open Continuously | 13.5 | 12.2 | 13.7 | 15.1 | 8.1 | 10.8 | 14.0 | 7.1 | 8.0 |
| Ownership and Occupancy | | | | | | | | | |
| Nongovernment Owned | 8.6 | 6.4 | 7.1 | 10.1 | 4.5 | 5.9 | 9.3 | 5.0 | 6.1 |
| Owner Occupied | 10.1 | 8.0 | 11.8 | 10.9 | 6.8 | 8.5 | 9.3 | 5.0 | 6.9 |
| Nonowner Occupied | 15.9 | 8.4 | 11.0 | 13.5 | 6.5 | 10.5 | 14.4 | 6.1 | 8.7 |
| Unoccupied | 83.8 | 44.0 | 80.2 | 54.8 | 52.3 | 56.5 | 86.2 | 33.4 | 29.0 |
| Government Owned | 25.4 | 11.5 | 15.5 | 15.5 | 7.9 | 11.9 | 11.8 | 7.3 | 8.0 |
| Federal | 62.3 | 46.4 | 31.4 | 54.5 | 32.0 | 28.9 | 8.5 | 27.6 | 11.7 |
| State | 26.8 | 15.9 | 39.8 | 23.2 | 14.2 | 28.9 | 14.3 | 8.2 | 12.2 |
| Local | 12.7 | 13.8 | 14.2 | 12.7 | 11.1 | 12.4 | 9.0 | 6.4 | 10.6 |
| Vacancy Status | | | | | | | | | |
| Completely Vacant | 52.1 | 44.0 | 80.2 | 39.6 | 52.3 | 56.5 | 47.9 | 33.4 | 29.0 |
| Mostly Vacant | 45.6 | 70.7 | 73.0 | 47.7 | 62.8 | 79.7 | 34.4 | 59.3 | 37.7 |
| Partially Vacant | 14.5 | 10.9 | 15.0 | 13.5 | 10.9 | 13.7 | 9.1 | 5.0 | 7.5 |
| Not At All Vacant | 13.2 | 6.5 | 8.3 | 11.2 | 4.4 | 6.4 | 10.6 | 4.8 | 6.2 |
| Number of Establishments | | | | | | | | | |
| One | 14.2 | 6.7 | 7.4 | 12.5 | 4.8 | 6.7 | 11.7 | 5.2 | 5.9 |
| 2 to 5 | 14.6 | 10.9 | 11.9 | 11.2 | 8.8 | 11.6 | 11.1 | 7.1 | 8.3 |
| 6 to 10 | 26.9 | 20.1 | 45.6 | 29.4 | 15.6 | 41.4 | 15.2 | 13.0 | 12.0 |
| 11 to 20 | 41.3 | 23.6 | 32.5 | 51.6 | 21.2 | 28.7 | 19.4 | 10.2 | 19.5 |
| More than 20 | 19.4 | 20.0 | 54.5 | 22.0 | 22.3 | 30.1 | 11.7 | 6.7 | 40.4 |
| Currently Unoccupied | 52.1 | 44.0 | 80.2 | 39.6 | 52.3 | 56.5 | 47.9 | 33.4 | 29.0 |

RSEs for Table C22. Electricity Consumption and Conditional Energy Intensity by Year Constructed for Non-Mall Buildings, 2003

| | RSEs for Total Electricity Consumption | | | RSEs for Total Floorspace of Buildings Using Electricity | | | RSEs for Electricity Energy Intensity | | |
|---|--|--------------|--------------|--|--------------|--------------|---------------------------------------|--------------|--------------|
| | 1959 or Before | 1960 to 1989 | 1990 to 2003 | 1959 or Before | 1960 to 1989 | 1990 to 2003 | 1959 or Before | 1960 to 1989 | 1990 to 2003 |
| All Buildings* | 11.0 | 6.1 | 7.3 | 9.2 | 4.3 | 6.2 | 8.2 | 4.5 | 5.7 |
| Predominant Exterior Wall Material | | | | | | | | | |
| Brick, Stone or Stucco | 13.9 | 7.1 | 9.0 | 10.9 | 5.8 | 9.0 | 9.9 | 4.1 | 5.8 |
| Concrete (Block or Poured) | 15.3 | 11.1 | 15.4 | 13.3 | 10.6 | 14.5 | 10.6 | 9.6 | 10.7 |
| Concrete Panels | 41.8 | 24.3 | 21.1 | 39.8 | 16.8 | 15.6 | 12.3 | 12.5 | 13.5 |
| Siding or Shingles | 22.2 | 19.2 | 25.8 | 13.9 | 17.4 | 11.7 | 19.7 | 19.1 | 24.7 |
| Metal Panels | 59.8 | 15.6 | 20.4 | 39.2 | 11.5 | 11.9 | 20.6 | 11.0 | 18.6 |
| Window Glass | 92.4 | 29.3 | 36.5 | 81.8 | 27.1 | 34.9 | 63.7 | 10.6 | 23.3 |
| Other | 85.7 | 30.8 | 48.4 | 56.2 | 28.2 | 39.9 | 101.1 | 12.5 | 14.7 |
| No One Major Type | 72.6 | 41.1 | 55.4 | 61.9 | 33.9 | 55.7 | 50.3 | 21.0 | 77.1 |
| Predominant Roof Material | | | | | | | | | |
| Built-Up | 11.4 | 8.7 | 15.4 | 8.9 | 6.5 | 15.8 | 9.2 | 6.2 | 13.6 |
| Shingles (Not Wood) | 22.2 | 9.9 | 13.1 | 10.2 | 6.0 | 10.9 | 18.7 | 9.7 | 11.1 |
| Metal Surfacing | 20.1 | 11.6 | 14.6 | 19.2 | 10.3 | 10.0 | 14.3 | 8.1 | 10.2 |
| Synthetic or Rubber | 12.5 | 11.7 | 12.3 | 11.3 | 8.9 | 12.0 | 8.0 | 6.9 | 6.9 |
| Slate or Tile | 21.5 | 21.3 | 21.0 | 17.9 | 21.3 | 18.8 | 14.7 | 15.6 | 17.8 |
| Wooden Materials | 24.9 | 30.1 | 69.2 | 36.8 | 28.0 | 61.1 | 23.7 | 17.8 | 20.0 |
| Concrete | 68.5 | 35.8 | 51.1 | 61.4 | 29.0 | 40.4 | 108.9 | 23.3 | 27.2 |
| Other | 100.2 | 35.6 | 39.8 | 100.2 | 36.9 | 41.2 | 0.0 | 22.6 | 18.4 |
| No One Major Type | 41.9 | 55.0 | 51.6 | 56.8 | 42.6 | 48.2 | 42.1 | 41.9 | 44.4 |
| Renovations in Buildings Constructed Before 1980 (more than one may apply) | | | | | | | | | |
| Any Type of Renovation | 10.4 | 8.7 | 0.0 | 9.0 | 7.0 | 0.0 | 8.0 | 5.6 | 0.0 |
| Addition or Annex | 14.8 | 12.1 | 0.0 | 17.2 | 9.4 | 0.0 | 17.8 | 7.9 | 0.0 |
| Reduction In Floorspace | 38.8 | 36.6 | 0.0 | 33.5 | 31.9 | 0.0 | 20.6 | 23.2 | 0.0 |
| Cosmetic Improvements | 11.3 | 9.6 | 0.0 | 9.7 | 8.5 | 0.0 | 9.3 | 6.0 | 0.0 |
| Wall or Roof Replacement | 13.6 | 12.9 | 0.0 | 13.1 | 11.8 | 0.0 | 12.4 | 7.7 | 0.0 |
| Interior Wall | | | | | | | | | |
| Re-Configuration | 12.3 | 10.2 | 0.0 | 11.7 | 9.0 | 0.0 | 11.2 | 6.3 | 0.0 |
| HVAC Equipment Upgrade | 11.8 | 10.0 | 0.0 | 9.5 | 8.8 | 0.0 | 7.4 | 5.9 | 0.0 |
| Lighting Upgrade | 12.8 | 11.2 | 0.0 | 10.8 | 9.8 | 0.0 | 10.9 | 6.8 | 0.0 |
| Window Replacement | 13.7 | 16.4 | 0.0 | 12.3 | 12.7 | 0.0 | 13.4 | 10.6 | 0.0 |
| Plumbing System Upgrade | 14.0 | 12.5 | 0.0 | 12.9 | 12.3 | 0.0 | 12.3 | 6.9 | 0.0 |
| Insulation Upgrade | 14.5 | 17.5 | 0.0 | 14.6 | 16.6 | 0.0 | 11.2 | 12.8 | 0.0 |
| Other Renovation | 36.2 | 47.9 | 0.0 | 30.3 | 43.5 | 0.0 | 29.1 | 15.7 | 0.0 |
| No Renovations Since 1980 | 21.3 | 11.1 | 0.0 | 12.8 | 6.6 | 0.0 | 13.1 | 8.9 | 0.0 |
| Building Newer than 1980 | 0.0 | 8.6 | 7.3 | 0.0 | 7.1 | 6.2 | 0.0 | 5.2 | 5.7 |
| Energy Sources (more than one may apply) | | | | | | | | | |
| Electricity | 11.0 | 6.1 | 7.3 | 9.2 | 4.3 | 6.2 | 8.2 | 4.5 | 5.7 |
| Natural Gas | 9.9 | 8.5 | 8.4 | 10.2 | 5.9 | 8.4 | 9.8 | 5.2 | 7.8 |
| Fuel Oil | 20.8 | 11.8 | 14.8 | 14.9 | 9.9 | 14.5 | 11.0 | 6.4 | 8.3 |
| District Heat | 38.6 | 14.2 | 39.2 | 30.7 | 14.9 | 30.8 | 11.0 | 7.4 | 9.0 |
| District Chilled Water | 33.3 | 13.6 | 47.7 | 33.5 | 14.7 | 36.3 | 11.7 | 9.0 | 14.3 |
| Propane | 47.4 | 15.3 | 20.4 | 30.5 | 14.2 | 19.3 | 16.4 | 8.6 | 18.2 |
| Other | 27.8 | 31.4 | 52.7 | 25.1 | 23.8 | 28.3 | 14.6 | 17.0 | 37.7 |

RSEs for Table C22. Electricity Consumption and Conditional Energy Intensity by Year Constructed for Non-Mall Buildings, 2003

| | RSEs for Total Electricity Consumption | | | RSEs for Total Floorspace of Buildings Using Electricity | | | RSEs for Electricity Energy Intensity | | |
|--|--|--------------|--------------|--|--------------|--------------|---------------------------------------|--------------|--------------|
| | 1959 or Before | 1960 to 1989 | 1990 to 2003 | 1959 or Before | 1960 to 1989 | 1990 to 2003 | 1959 or Before | 1960 to 1989 | 1990 to 2003 |
| All Buildings* | 11.0 | 6.1 | 7.3 | 9.2 | 4.3 | 6.2 | 8.2 | 4.5 | 5.7 |
| Space-Heating Energy Sources | | | | | | | | | |
| Electricity | 11.6 | 8.6 | 8.6 | 11.5 | 6.1 | 7.5 | 7.7 | 5.3 | 6.9 |
| Electricity Main | 22.2 | 8.4 | 11.6 | 22.7 | 8.0 | 9.9 | 12.2 | 4.3 | 8.7 |
| Electricity Secondary | 12.3 | 17.8 | 15.9 | 12.1 | 10.4 | 10.0 | 8.3 | 10.1 | 11.0 |
| Other Excluding Electricity | 16.3 | 7.4 | 10.3 | 13.2 | 6.8 | 9.4 | 13.7 | 6.1 | 8.2 |
| Buildings without Heating | 21.5 | 28.0 | 33.3 | 20.2 | 19.7 | 21.7 | 21.5 | 25.9 | 20.3 |
| Primary Space-Heating Energy Source | | | | | | | | | |
| Electricity | 22.2 | 8.4 | 11.6 | 22.7 | 8.0 | 9.9 | 12.2 | 4.3 | 8.7 |
| Natural Gas | 10.2 | 9.8 | 9.0 | 8.3 | 6.4 | 8.0 | 8.3 | 6.8 | 9.1 |
| Fuel Oil | 21.6 | 19.1 | 54.5 | 42.7 | 18.1 | 47.7 | 44.7 | 11.3 | 45.6 |
| District Heat | 39.6 | 14.7 | 41.1 | 32.3 | 14.9 | 33.2 | 9.1 | 7.9 | 8.8 |
| Propane | 45.3 | 26.0 | 47.1 | 28.1 | 28.5 | 23.0 | 36.2 | 8.1 | 41.1 |
| Other | 46.6 | 32.2 | 68.8 | 36.2 | 29.2 | 54.3 | 20.6 | 17.4 | 34.8 |
| Cooling Energy Sources | | | | | | | | | |
| Electricity | 9.0 | 6.6 | 6.9 | 9.9 | 4.9 | 6.2 | 8.1 | 4.0 | 6.2 |
| Other Excluding Electricity | 21.0 | 17.5 | 48.5 | 27.4 | 19.6 | 36.3 | 22.6 | 9.7 | 15.7 |
| Buildings without Cooling | 52.2 | 17.6 | 20.9 | 22.6 | 20.7 | 19.7 | 28.2 | 16.4 | 19.7 |
| Water-Heating Energy Sources | | | | | | | | | |
| Electricity | 15.2 | 7.3 | 11.2 | 11.1 | 6.8 | 7.7 | 12.0 | 4.4 | 9.6 |
| Other Excluding Electricity | 8.7 | 10.1 | 10.1 | 10.9 | 6.4 | 8.5 | 8.2 | 7.1 | 5.9 |
| Bldgs without Water Heating | 57.0 | 20.0 | 14.4 | 28.4 | 12.4 | 15.3 | 24.5 | 16.9 | 12.6 |
| Cooking Energy Sources | | | | | | | | | |
| Electricity | 14.3 | 11.1 | 14.6 | 13.9 | 9.2 | 11.0 | 8.9 | 6.4 | 8.5 |
| Other Excluding Electricity | 21.4 | 19.3 | 18.0 | 31.3 | 12.1 | 15.2 | 37.8 | 11.9 | 11.4 |
| Buildings without Cooking | 16.3 | 6.8 | 9.4 | 9.5 | 5.1 | 7.5 | 10.0 | 5.3 | 6.4 |
| Energy End Uses (more than one may apply) | | | | | | | | | |
| Buildings with Space Heating | 11.4 | 6.2 | 7.4 | 9.5 | 4.3 | 6.5 | 8.5 | 4.6 | 6.0 |
| Buildings with Cooling | 8.6 | 6.4 | 7.3 | 9.7 | 4.7 | 6.5 | 7.7 | 3.8 | 5.9 |
| Buildings with Water Heating | 8.3 | 6.3 | 7.4 | 9.3 | 4.3 | 6.4 | 8.1 | 4.5 | 5.9 |
| Buildings with Cooking | 13.3 | 9.4 | 12.1 | 18.0 | 7.1 | 9.0 | 15.5 | 5.4 | 7.8 |
| Buildings with Manufacturing | 28.4 | 26.0 | 39.4 | 24.3 | 21.1 | 28.5 | 16.5 | 14.4 | 26.5 |
| Buildings with Electricity Generation | 16.4 | 9.9 | 9.7 | 17.1 | 8.6 | 10.1 | 10.8 | 5.4 | 5.2 |
| Percent of Floorspace Heated | | | | | | | | | |
| Not Heated | 21.5 | 28.0 | 33.3 | 20.2 | 19.7 | 21.7 | 21.5 | 25.9 | 20.3 |
| 1 to 50 | 25.8 | 18.7 | 26.2 | 23.1 | 13.7 | 15.4 | 12.1 | 13.5 | 24.7 |
| 51 to 99 | 17.5 | 14.2 | 14.0 | 13.7 | 13.3 | 11.6 | 12.0 | 6.6 | 10.1 |
| 100 | 13.7 | 7.4 | 8.8 | 12.7 | 4.7 | 7.3 | 11.4 | 5.2 | 5.7 |
| Percent of Floorspace Cooled | | | | | | | | | |
| Not Cooled | 52.2 | 17.6 | 20.9 | 22.6 | 20.7 | 19.7 | 28.2 | 16.4 | 19.7 |
| 1 to 50 | 11.5 | 14.6 | 14.5 | 12.6 | 10.7 | 10.3 | 10.0 | 8.7 | 15.2 |
| 51 to 99 | 12.6 | 9.8 | 13.2 | 15.2 | 8.2 | 11.0 | 14.2 | 6.2 | 7.3 |
| 100 | 12.9 | 8.9 | 9.4 | 10.2 | 6.3 | 7.8 | 9.2 | 4.9 | 5.5 |

RSEs for Table C22. Electricity Consumption and Conditional Energy Intensity by Year Constructed for Non-Mall Buildings, 2003

| | RSEs for Total Electricity Consumption | | | RSEs for Total Floorspace of Buildings Using Electricity | | | RSEs for Electricity Energy Intensity | | |
|---|--|--------------|--------------|--|--------------|--------------|---------------------------------------|--------------|--------------|
| | 1959 or Before | 1960 to 1989 | 1990 to 2003 | 1959 or Before | 1960 to 1989 | 1990 to 2003 | 1959 or Before | 1960 to 1989 | 1990 to 2003 |
| All Buildings* | 11.0 | 6.1 | 7.3 | 9.2 | 4.3 | 6.2 | 8.2 | 4.5 | 5.7 |
| Percent Lit When Open | | | | | | | | | |
| Zero | 62.8 | 93.5 | 42.2 | 58.8 | 53.7 | 43.2 | 21.7 | 100.4 | 17.9 |
| 1 to 50 | 11.3 | 13.7 | 19.1 | 12.4 | 10.2 | 13.2 | 15.1 | 9.1 | 14.2 |
| 51 to 99 | 11.5 | 8.0 | 13.7 | 10.4 | 6.3 | 10.8 | 8.3 | 5.3 | 6.3 |
| 100 | 18.6 | 8.6 | 8.2 | 13.5 | 5.6 | 6.5 | 11.8 | 5.2 | 7.5 |
| Building Never Open/ Electricity Not Used | 38.8 | 39.5 | 73.1 | 33.0 | 50.3 | 51.9 | 37.7 | 31.6 | 26.9 |
| Percent Lit When Closed | | | | | | | | | |
| Zero | 31.3 | 7.5 | 16.8 | 14.0 | 7.1 | 10.7 | 18.3 | 6.6 | 11.6 |
| 1 to 50 | 12.0 | 6.9 | 9.7 | 10.9 | 5.1 | 9.4 | 9.6 | 5.1 | 5.8 |
| 51 to 100 | 36.1 | 19.5 | 30.8 | 25.7 | 17.4 | 20.1 | 19.6 | 12.0 | 26.8 |
| Building Never Closed/ Electricity Not Used | 13.5 | 12.2 | 13.7 | 15.1 | 8.1 | 10.8 | 14.0 | 7.1 | 8.0 |
| Heating Equipment (more than one may apply) | | | | | | | | | |
| Heat Pumps | 20.8 | 18.9 | 17.8 | 22.5 | 13.2 | 10.3 | 11.1 | 11.3 | 13.4 |
| Packaged Heat Pumps | 27.3 | 23.8 | 21.4 | 28.5 | 16.3 | 11.3 | 10.0 | 13.2 | 17.9 |
| Split-System Heat Pumps | 30.3 | 41.9 | 29.3 | 29.5 | 24.3 | 21.1 | 11.2 | 30.2 | 19.7 |
| Individual Room Heat Pumps | 23.2 | 21.7 | 23.8 | 25.4 | 23.0 | 19.3 | 19.5 | 10.1 | 15.4 |
| Furnaces | 10.9 | 8.3 | 12.3 | 10.5 | 6.2 | 10.5 | 7.4 | 7.8 | 10.6 |
| Individual Space Heaters | 15.7 | 13.1 | 12.1 | 13.9 | 7.7 | 10.0 | 9.3 | 9.8 | 9.1 |
| District Heat | 38.7 | 14.6 | 39.2 | 30.8 | 15.1 | 30.8 | 11.1 | 7.7 | 9.0 |
| Boilers | 13.0 | 12.3 | 14.2 | 16.2 | 8.7 | 10.3 | 15.4 | 6.1 | 10.0 |
| Packaged Heating Units | 11.7 | 7.3 | 10.5 | 13.2 | 7.0 | 8.5 | 8.0 | 5.1 | 8.1 |
| Other | 32.6 | 17.2 | 22.3 | 25.7 | 16.5 | 27.9 | 30.7 | 7.8 | 23.9 |
| Cooling Equipment (more than one may apply) | | | | | | | | | |
| Residential-Type Central | | | | | | | | | |
| Air Conditioners | 12.5 | 17.1 | 26.0 | 16.7 | 9.0 | 11.0 | 13.0 | 13.5 | 22.0 |
| Heat Pumps | 21.2 | 19.2 | 14.8 | 22.8 | 13.3 | 11.0 | 10.6 | 11.4 | 11.3 |
| Packaged Heat Pumps | 27.1 | 24.4 | 22.6 | 29.0 | 16.9 | 13.5 | 11.9 | 13.3 | 17.8 |
| Split-System Heat Pumps | 29.3 | 43.7 | 28.8 | 28.0 | 25.1 | 20.3 | 10.7 | 31.8 | 17.7 |
| Individual Room Heat Pumps | 24.9 | 20.9 | 22.1 | 26.7 | 21.8 | 13.9 | 17.5 | 9.9 | 16.4 |
| Individual Air Conditioners | 12.1 | 11.1 | 24.1 | 14.6 | 9.5 | 16.6 | 10.1 | 7.0 | 15.3 |
| District Chilled Water | 33.3 | 13.6 | 47.7 | 33.5 | 14.7 | 36.3 | 11.7 | 9.0 | 14.3 |
| Central Chillers | 15.1 | 14.0 | 15.8 | 15.7 | 11.2 | 12.7 | 6.6 | 5.8 | 8.3 |
| Packaged Air Conditioning | | | | | | | | | |
| Units | 11.3 | 6.9 | 8.3 | 14.5 | 6.2 | 9.1 | 14.4 | 4.1 | 7.5 |
| Swamp Coolers | 28.7 | 15.7 | 41.3 | 39.3 | 16.9 | 34.7 | 22.1 | 7.5 | 10.0 |
| Other | 55.8 | 26.1 | 37.9 | 36.4 | 28.0 | 30.0 | 45.0 | 12.5 | 21.4 |
| Main Equipment Replaced Since 1990 (more than one may apply) | | | | | | | | | |
| Heating | 10.6 | 9.8 | 0.0 | 9.9 | 6.6 | 0.0 | 6.8 | 7.1 | 0.0 |
| Cooling | 11.9 | 8.7 | 0.0 | 10.6 | 6.2 | 0.0 | 8.7 | 5.6 | 0.0 |
| Water Heating Equipment | | | | | | | | | |
| Centralized System | 10.3 | 7.4 | 8.2 | 9.4 | 5.0 | 6.5 | 8.9 | 5.2 | 6.8 |
| Distributed System | 16.9 | 12.6 | 13.3 | 23.5 | 10.9 | 11.4 | 20.7 | 6.2 | 9.2 |
| Combination of Centralized and Distributed System | 15.4 | 15.2 | 17.0 | 16.8 | 11.6 | 15.3 | 9.0 | 9.0 | 10.0 |

RSEs for Table C22. Electricity Consumption and Conditional Energy Intensity by Year Constructed for Non-Mall Buildings, 2003

| | RSEs for Total Electricity Consumption | | | RSEs for Total Floorspace of Buildings Using Electricity | | | RSEs for Electricity Energy Intensity | | |
|--|--|--------------|--------------|--|--------------|--------------|---------------------------------------|--------------|--------------|
| | 1959 or Before | 1960 to 1989 | 1990 to 2003 | 1959 or Before | 1960 to 1989 | 1990 to 2003 | 1959 or Before | 1960 to 1989 | 1990 to 2003 |
| All Buildings* | 11.0 | 6.1 | 7.3 | 9.2 | 4.3 | 6.2 | 8.2 | 4.5 | 5.7 |
| Lighting Equipment Types (more than one may apply) | | | | | | | | | |
| Incandescent | 8.3 | 7.7 | 10.4 | 11.3 | 5.5 | 8.0 | 9.9 | 4.9 | 8.2 |
| Standard Fluorescent | 11.4 | 6.2 | 7.5 | 9.5 | 4.2 | 6.5 | 8.5 | 4.5 | 6.1 |
| Compact Fluorescent | 9.8 | 8.9 | 9.7 | 11.4 | 6.8 | 7.1 | 9.7 | 4.5 | 7.3 |
| High Intensity Discharge | 22.7 | 9.7 | 10.2 | 15.0 | 7.4 | 7.7 | 9.5 | 5.4 | 8.9 |
| Halogen | 15.7 | 11.0 | 10.8 | 13.7 | 9.2 | 7.2 | 11.6 | 5.2 | 10.1 |
| Other | 85.1 | 46.7 | 58.4 | 71.8 | 41.3 | 65.1 | 42.8 | 18.8 | 49.2 |
| Refrigeration Equipment (more than one may apply)^a | | | | | | | | | |
| Any Refrigeration..... | 8.5 | 6.5 | 7.5 | 9.7 | 4.6 | 6.6 | 8.2 | 4.5 | 5.7 |
| Commercial Refrigeration | 10.3 | 8.6 | 10.2 | 14.3 | 7.3 | 7.3 | 12.7 | 4.8 | 7.1 |
| Walk-In Units | 13.0 | 9.3 | 11.0 | 20.3 | 7.7 | 8.3 | 20.9 | 5.5 | 8.2 |
| Cases or Cabinets | 12.6 | 9.8 | 10.9 | 11.9 | 8.0 | 7.1 | 9.3 | 5.5 | 8.4 |
| Residential-Type Units | 8.7 | 7.7 | 9.9 | 11.3 | 5.2 | 7.4 | 10.5 | 5.0 | 7.0 |
| Vending Machines | 10.1 | 7.7 | 8.4 | 10.2 | 6.0 | 7.3 | 8.5 | 4.5 | 6.1 |
| No Refrigeration | 44.0 | 11.5 | 22.5 | 20.5 | 10.2 | 14.2 | 22.8 | 8.3 | 18.9 |
| Office Equipment (more than one may apply) | | | | | | | | | |
| Computers | 10.0 | 6.5 | 7.6 | 9.5 | 4.6 | 6.5 | 8.9 | 4.3 | 5.5 |
| With Flat Screen Monitors | 12.3 | 8.9 | 9.6 | 11.4 | 6.9 | 8.1 | 9.1 | 4.5 | 5.9 |
| Dedicated Servers | 10.1 | 7.4 | 9.3 | 10.1 | 5.7 | 7.5 | 9.0 | 4.2 | 6.2 |
| Laser Printers | 8.8 | 8.6 | 9.8 | 9.6 | 5.4 | 8.7 | 8.4 | 6.3 | 6.5 |
| Inkjet Printers | 10.9 | 8.6 | 8.5 | 9.0 | 7.1 | 6.2 | 8.4 | 4.6 | 6.5 |
| FAX Machines | 8.6 | 6.6 | 7.6 | 9.5 | 4.6 | 7.0 | 9.0 | 4.2 | 6.1 |
| Photocopiers | 9.5 | 6.9 | 8.4 | 10.2 | 5.0 | 7.5 | 9.9 | 3.9 | 5.8 |
| Number of Computers | | | | | | | | | |
| None | 25.8 | 12.4 | 17.8 | 14.8 | 15.1 | 12.2 | 15.7 | 14.4 | 17.4 |
| 1 to 4 | 24.8 | 10.8 | 13.9 | 15.0 | 8.5 | 10.2 | 18.8 | 10.2 | 13.8 |
| 5 to 9 | 18.1 | 9.6 | 12.7 | 19.1 | 7.7 | 10.9 | 11.5 | 9.3 | 8.1 |
| 10 to 19 | 38.1 | 12.2 | 19.0 | 24.8 | 11.4 | 16.7 | 36.7 | 8.7 | 12.0 |
| 20 to 49 | 18.6 | 13.1 | 17.8 | 17.6 | 11.9 | 13.0 | 10.9 | 6.0 | 12.9 |
| 50 to 99 | 21.8 | 14.3 | 15.4 | 29.5 | 15.1 | 16.4 | 35.8 | 9.9 | 8.8 |
| 100 to 249 | 17.4 | 14.4 | 17.5 | 15.9 | 12.7 | 14.9 | 9.4 | 6.2 | 7.0 |
| 250 or More | 17.1 | 12.9 | 17.6 | 18.1 | 10.5 | 15.0 | 10.3 | 6.8 | 8.8 |
| Number of Dedicated Servers | | | | | | | | | |
| None | 20.0 | 7.6 | 9.3 | 11.5 | 7.3 | 8.0 | 13.1 | 8.2 | 9.1 |
| 1 to 4 | 14.0 | 7.0 | 9.7 | 14.5 | 6.6 | 8.7 | 13.9 | 4.7 | 5.8 |
| 5 to 9 | 23.4 | 31.4 | 29.1 | 27.2 | 21.5 | 18.1 | 15.1 | 16.0 | 18.7 |
| 10 to 19 | 24.4 | 16.2 | 36.1 | 24.9 | 14.4 | 33.4 | 12.6 | 7.3 | 14.7 |
| 20 to 49 | 29.4 | 19.7 | 30.9 | 29.0 | 18.3 | 32.2 | 10.8 | 9.3 | 14.9 |
| 50 or More | 39.3 | 26.2 | 29.8 | 39.5 | 22.8 | 30.3 | 17.9 | 14.8 | 16.2 |
| Number of Photocopiers | | | | | | | | | |
| None | 27.2 | 8.1 | 11.0 | 14.9 | 9.2 | 10.0 | 14.9 | 11.2 | 9.6 |
| One | 18.1 | 8.5 | 11.9 | 15.3 | 7.9 | 9.8 | 19.4 | 6.2 | 6.3 |
| 2 to 4 | 12.6 | 10.1 | 14.8 | 10.4 | 8.1 | 12.2 | 8.7 | 5.1 | 10.8 |
| 5 to 9 | 20.9 | 12.6 | 25.4 | 37.3 | 12.7 | 21.9 | 51.2 | 7.4 | 10.7 |
| 10 or More | 16.1 | 13.6 | 14.5 | 17.7 | 11.3 | 14.1 | 9.3 | 6.3 | 9.6 |

RSEs for Table C22. Electricity Consumption and Conditional Energy Intensity by Year Constructed for Non-Mall Buildings, 2003

| | RSEs for Total Electricity Consumption | | | RSEs for Total Floorspace of Buildings Using Electricity | | | RSEs for Electricity Energy Intensity | | |
|--|--|--------------|--------------|--|--------------|--------------|---------------------------------------|--------------|--------------|
| | 1959 or Before | 1960 to 1989 | 1990 to 2003 | 1959 or Before | 1960 to 1989 | 1990 to 2003 | 1959 or Before | 1960 to 1989 | 1990 to 2003 |
| All Buildings* | 11.0 | 6.1 | 7.3 | 9.2 | 4.3 | 6.2 | 8.2 | 4.5 | 5.7 |
| Energy-Related Space Functions (more than one may apply) | | | | | | | | | |
| Commercial Food Preparation | 13.4 | 9.4 | 12.1 | 18.1 | 7.1 | 9.0 | 15.6 | 5.4 | 7.8 |
| Activities with Large Amounts of Hot Water | 13.6 | 9.8 | 13.9 | 21.8 | 6.7 | 10.2 | 24.4 | 6.1 | 8.7 |
| Separate Computer Area | 12.0 | 9.4 | 10.8 | 12.1 | 7.1 | 7.8 | 10.4 | 4.8 | 7.6 |
| HVAC Conservation Features (more than one may apply) | | | | | | | | | |
| Variable Air-Volume System | 12.2 | 10.8 | 11.7 | 11.7 | 8.4 | 10.3 | 7.7 | 5.5 | 5.2 |
| Economizer Cycle | 14.7 | 9.4 | 9.2 | 11.6 | 7.7 | 8.7 | 9.5 | 4.4 | 5.8 |
| HVAC Maintenance | 12.5 | 6.9 | 7.6 | 11.2 | 5.0 | 7.0 | 10.3 | 4.4 | 6.2 |
| Energy Management and Control System (EMCS) | 16.9 | 12.2 | 8.0 | 14.0 | 9.7 | 8.7 | 8.8 | 6.5 | 4.1 |
| Window and Interior Lighting Features (more than one may apply) | | | | | | | | | |
| Multipaned Windows | 9.0 | 7.7 | 7.3 | 13.3 | 6.1 | 6.7 | 12.0 | 4.8 | 6.1 |
| Tinted Window Glass | 21.4 | 8.8 | 9.2 | 14.8 | 6.0 | 7.0 | 9.5 | 5.6 | 6.7 |
| Reflective Window Glass | 27.7 | 14.4 | 14.1 | 14.0 | 10.8 | 12.5 | 17.6 | 8.9 | 10.4 |
| External Overhangs or Awnings | 12.1 | 10.0 | 16.3 | 16.5 | 7.5 | 11.3 | 13.9 | 6.8 | 10.3 |
| Skylights or Atriums | 12.8 | 11.2 | 15.5 | 15.8 | 8.7 | 12.1 | 18.4 | 6.4 | 9.8 |
| Daylighting Sensors | 37.3 | 26.1 | 24.5 | 26.8 | 20.1 | 18.3 | 26.4 | 13.7 | 18.7 |
| Specular Reflectors | 18.8 | 9.7 | 11.5 | 13.3 | 6.8 | 8.5 | 11.5 | 5.5 | 8.1 |
| Electronic Ballasts | 12.9 | 7.0 | 8.6 | 9.5 | 5.2 | 6.7 | 8.3 | 4.5 | 6.7 |
| Energy Management and Control System (EMCS) For Lighting | 39.1 | 16.2 | 11.4 | 35.1 | 17.0 | 13.2 | 24.5 | 7.8 | 10.3 |
| Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^a | | | | | | | | | |
| Heating | 8.9 | 7.5 | 7.6 | 9.2 | 5.1 | 7.0 | 10.1 | 5.4 | 5.7 |
| Cooling | 9.4 | 7.5 | 8.7 | 10.3 | 5.2 | 7.5 | 9.3 | 4.5 | 5.6 |
| Lighting | 14.1 | 5.7 | 9.1 | 9.9 | 4.9 | 7.6 | 9.1 | 3.6 | 5.6 |
| Office Equipment | 18.2 | 9.7 | 13.5 | 12.4 | 7.5 | 11.3 | 14.0 | 7.2 | 10.9 |
| Annual Consumption (kilowatthours) | | | | | | | | | |
| 10,000 or Less | 14.0 | 14.3 | 21.9 | 15.7 | 28.6 | 27.0 | 13.0 | 18.6 | 15.6 |
| 10,001 to 50,000 | 10.3 | 9.4 | 9.9 | 10.0 | 10.9 | 13.9 | 9.6 | 6.2 | 10.6 |
| 50,001 to 100,000 | 14.6 | 9.8 | 11.5 | 21.9 | 8.6 | 11.1 | 18.1 | 8.2 | 8.6 |
| 100,001 to 500,000 | 11.3 | 8.6 | 9.4 | 17.0 | 7.9 | 12.9 | 13.7 | 6.7 | 11.2 |
| 500,001 to 1,000,000 | 17.8 | 10.9 | 15.5 | 15.0 | 10.0 | 13.1 | 12.5 | 7.4 | 9.9 |
| 1,000,001 to 5,000,000 | 23.5 | 10.0 | 12.1 | 18.0 | 7.8 | 10.8 | 10.8 | 5.0 | 7.5 |
| Over 5,000,000 | 23.7 | 16.1 | 17.5 | 24.1 | 15.3 | 15.4 | 10.3 | 6.9 | 10.6 |

RSEs for Table C22. Electricity Consumption and Conditional Energy Intensity by Year Constructed for Non-Mall Buildings, 2003

| | RSEs for Total Electricity Consumption | | | RSEs for Total Floorspace of Buildings Using Electricity | | | RSEs for Electricity Energy Intensity | | |
|--|--|--------------|--------------|--|--------------|--------------|---------------------------------------|--------------|--------------|
| | 1959 or Before | 1960 to 1989 | 1990 to 2003 | 1959 or Before | 1960 to 1989 | 1990 to 2003 | 1959 or Before | 1960 to 1989 | 1990 to 2003 |
| All Buildings* | 11.0 | 6.1 | 7.3 | 9.2 | 4.3 | 6.2 | 8.2 | 4.5 | 5.7 |
| Provider of Purchased Electricity (more than one may apply) | | | | | | | | | |
| Local Utility | 11.9 | 6.1 | 7.7 | 9.8 | 4.5 | 6.1 | 8.8 | 4.6 | 6.3 |
| Some Other Provider | 31.2 | 25.7 | 24.1 | 25.8 | 20.7 | 24.7 | 11.6 | 12.7 | 14.1 |

X=No cases in the responding sample reported their consumption for the particular fuel, so relative standard error could not be calculated.

RSEs for Table C23. Total Natural Gas Consumption and Expenditures in Non-Mall Buildings, 2003

| | RSEs for All Buildings* Using Natural Gas | | | RSES for Natural Gas Consumption | | RSEs for Natural Gas Expenditures |
|--|--|------------|----------------------------|-------------------------------------|-------|---|
| | Number of Buildings | Floorspace | Floorspace per Building | Total | Total | Total |
| All Buildings* | 5.3 | 4.7 | 4.5 | 5.7 | 5.7 | 5.2 |
| Building Floorspace (Square Feet) | | | | | | |
| 1,001 to 5,000 | 7.2 | 7.4 | 2.6 | 9.0 | 9.0 | 8.5 |
| 5,001 to 10,000 | 9.6 | 9.3 | 1.7 | 12.7 | 12.7 | 11.3 |
| 10,001 to 25,000 | 7.2 | 7.2 | 1.7 | 9.9 | 9.9 | 9.9 |
| 25,001 to 50,000 | 7.2 | 7.0 | 1.2 | 12.4 | 12.4 | 8.7 |
| 50,001 to 100,000 | 8.3 | 8.4 | 1.3 | 10.1 | 10.1 | 10.0 |
| 100,001 to 200,000 | 14.3 | 14.1 | 2.9 | 16.9 | 16.9 | 13.8 |
| 200,001 to 500,000 | 12.5 | 12.1 | 2.3 | 12.8 | 12.8 | 13.9 |
| Over 500,000 | 17.8 | 18.7 | 5.2 | 20.3 | 20.3 | 26.2 |
| Principal Building Activity | | | | | | |
| Education | 10.7 | 7.0 | 8.3 | 10.4 | 10.4 | 10.5 |
| Food Sales | 18.5 | 16.1 | 18.3 | 20.8 | 20.8 | 23.8 |
| Food Service | 10.0 | 11.0 | 7.7 | 12.2 | 12.2 | 12.0 |
| Health Care | 17.3 | 11.5 | 15.5 | 13.7 | 13.7 | 11.6 |
| Inpatient | 28.3 | 14.2 | 22.3 | 15.2 | 15.2 | 13.6 |
| Outpatient | 18.9 | 14.5 | 14.0 | 23.8 | 23.8 | 22.9 |
| Lodging | 12.0 | 13.9 | 14.6 | 15.1 | 15.1 | 17.1 |
| Retail (Other Than Mall)..... | 10.9 | 12.2 | 9.3 | 17.1 | 17.1 | 14.6 |
| Office | 7.6 | 8.8 | 9.8 | 12.9 | 12.9 | 13.9 |
| Public Assembly | 12.3 | 14.9 | 16.2 | 15.9 | 15.9 | 13.1 |
| Public Order and Safety | 24.3 | 18.5 | 23.9 | 21.4 | 21.4 | 26.7 |
| Religious Worship | 11.3 | 11.1 | 8.9 | 11.3 | 11.3 | 10.4 |
| Service | 13.5 | 17.0 | 14.3 | 17.5 | 17.5 | 18.0 |
| Warehouse and Storage | 13.7 | 12.5 | 10.3 | 20.4 | 20.4 | 15.5 |
| Other | 24.1 | 25.0 | 28.4 | 31.2 | 31.2 | 31.8 |
| Vacant | 28.8 | 27.0 | 22.1 | 25.6 | 25.6 | 27.1 |
| Year Constructed | | | | | | |
| Before 1920 | 12.4 | 13.6 | 13.6 | 14.8 | 14.8 | 14.5 |
| 1920 to 1945 | 10.8 | 12.4 | 10.2 | 15.3 | 15.3 | 16.2 |
| 1946 to 1959 | 12.1 | 11.1 | 12.1 | 14.6 | 14.6 | 8.9 |
| 1960 to 1969 | 10.8 | 9.3 | 8.4 | 9.0 | 9.0 | 9.7 |
| 1970 to 1979 | 8.5 | 9.3 | 9.1 | 9.8 | 9.8 | 9.7 |
| 1980 to 1989 | 9.7 | 9.3 | 10.7 | 14.3 | 14.3 | 16.6 |
| 1990 to 1999 | 10.9 | 8.9 | 7.2 | 10.6 | 10.6 | 9.2 |
| 2000 to 2003 | 16.8 | 11.0 | 15.7 | 17.6 | 17.6 | 16.9 |
| Census Region and Division | | | | | | |
| Northeast | 6.4 | 10.1 | 8.7 | 10.0 | 10.0 | 10.8 |
| New England | 19.6 | 29.1 | 11.9 | 29.5 | 29.5 | 27.1 |
| Middle Atlantic | 6.4 | 10.5 | 10.4 | 10.7 | 10.7 | 12.1 |
| Midwest | 8.6 | 6.3 | 6.3 | 6.9 | 6.9 | 5.9 |
| East North Central | 11.2 | 6.0 | 7.7 | 5.1 | 5.1 | 4.9 |
| West North Central | 9.5 | 16.8 | 11.4 | 22.1 | 22.1 | 18.1 |
| South | 10.9 | 10.0 | 9.5 | 12.5 | 12.5 | 9.8 |
| South Atlantic | 16.9 | 16.3 | 13.2 | 24.7 | 24.7 | 15.7 |
| East South Central | 24.8 | 9.4 | 16.9 | 16.5 | 16.5 | 20.1 |
| West South Central | 15.4 | 17.1 | 18.3 | 14.9 | 14.9 | 14.5 |
| West | 11.3 | 8.1 | 11.2 | 14.5 | 14.5 | 15.9 |
| Mountain | 15.8 | 14.7 | 19.7 | 22.1 | 22.1 | 25.8 |
| Pacific | 15.9 | 9.1 | 12.7 | 16.2 | 16.2 | 15.8 |

RSEs for Table C23. Total Natural Gas Consumption and Expenditures in Non-Mall Buildings, 2003

| | RSEs for All Buildings* Using Natural Gas | | | RSES for Natural Gas Consumption | | RSEs for Natural Gas Expenditures |
|---------------------------------------|--|------------|----------------------------|-------------------------------------|-------|---|
| | Number of Buildings | Floorspace | Floorspace per Building | Total | Total | Total |
| All Buildings* | 5.3 | 4.7 | 4.5 | 5.7 | 5.7 | 5.2 |
| Climate Zone: 30-Year Average | | | | | | |
| Under 2,000 CDD and -- | | | | | | |
| More than 7,000 HDD | 12.5 | 12.1 | 7.1 | 13.3 | 13.3 | 12.8 |
| 5,500-7,000 HDD | 10.0 | 7.5 | 7.6 | 6.8 | 6.8 | 8.2 |
| 4,000-5,499 HDD | 14.3 | 16.9 | 10.8 | 21.5 | 21.5 | 21.6 |
| Fewer than 4,000 HDD | 15.8 | 13.3 | 9.2 | 19.1 | 19.1 | 16.4 |
| 2,000 CDD or More and -- | | | | | | |
| Fewer than 4,000 HDD | 25.8 | 22.0 | 22.4 | 23.3 | 23.3 | 23.3 |
| Number of Floors | | | | | | |
| One | 7.2 | 6.8 | 4.8 | 8.3 | 8.3 | 7.9 |
| Two | 6.8 | 7.1 | 5.6 | 7.4 | 7.4 | 7.3 |
| Three | 9.3 | 9.3 | 6.5 | 13.1 | 13.1 | 8.2 |
| Four to Nine | 14.1 | 11.8 | 10.1 | 10.5 | 10.5 | 10.4 |
| Ten or More | 15.4 | 20.2 | 11.8 | 23.2 | 23.2 | 28.3 |
| Number of Workers (main shift) | | | | | | |
| Fewer than 5 | 7.4 | 8.4 | 5.3 | 9.1 | 9.1 | 8.5 |
| 5 to 9 | 9.0 | 9.0 | 6.4 | 11.5 | 11.5 | 10.9 |
| 10 to 19 | 7.6 | 11.6 | 11.0 | 9.4 | 9.4 | 9.0 |
| 20 to 49 | 8.0 | 9.6 | 6.7 | 10.9 | 10.9 | 10.6 |
| 50 to 99 | 10.3 | 8.1 | 7.7 | 8.8 | 8.8 | 10.2 |
| 100 to 249 | 10.3 | 9.8 | 4.9 | 15.5 | 15.5 | 13.5 |
| 250 or More | 9.6 | 13.1 | 7.7 | 13.8 | 13.8 | 17.3 |
| Weekly Operating Hours | | | | | | |
| Fewer than 40 | 10.8 | 12.5 | 8.8 | 15.8 | 15.8 | 15.5 |
| 40 to 48 | 8.2 | 8.4 | 10.3 | 10.2 | 10.2 | 10.1 |
| 49 to 60 | 8.4 | 7.1 | 6.1 | 10.9 | 10.9 | 9.4 |
| 61 to 84 | 8.4 | 8.3 | 6.5 | 8.9 | 8.9 | 9.3 |
| 85 to 167 | 9.2 | 8.0 | 10.1 | 9.4 | 9.4 | 9.3 |
| Open Continuously | 9.5 | 8.0 | 9.3 | 10.2 | 10.2 | 11.3 |
| Ownership and Occupancy | | | | | | |
| Nongovernment Owned | 5.4 | 5.4 | 5.1 | 6.5 | 6.5 | 6.2 |
| Owner Occupied | 6.8 | 6.1 | 6.6 | 9.0 | 9.0 | 7.9 |
| Nonowner Occupied | 6.6 | 6.9 | 6.3 | 7.1 | 7.1 | 8.0 |
| Unoccupied | 34.7 | 32.7 | 30.1 | 27.0 | 27.0 | 28.2 |
| Government Owned | 10.9 | 5.8 | 9.1 | 7.7 | 7.7 | 7.6 |
| Federal | 40.3 | 24.9 | 35.1 | 24.0 | 24.0 | 24.9 |
| State | 29.3 | 15.4 | 20.1 | 20.6 | 20.6 | 21.7 |
| Local | 10.7 | 7.9 | 8.3 | 9.1 | 9.1 | 8.8 |
| Vacancy Status | | | | | | |
| Completely Vacant | 34.1 | 31.1 | 28.9 | 27.3 | 27.3 | 27.5 |
| Mostly Vacant | 43.5 | 42.7 | 33.0 | 53.6 | 53.6 | 56.5 |
| Partially Vacant | 9.0 | 9.1 | 10.7 | 11.1 | 11.1 | 13.1 |
| Not At All Vacant | 5.8 | 5.3 | 5.0 | 6.4 | 6.4 | 5.7 |

RSEs for Table C23. Total Natural Gas Consumption and Expenditures in Non-Mall Buildings, 2003

| | RSEs for All Buildings* Using Natural Gas | | | RSES for Natural Gas Consumption | | RSEs for Natural Gas Expenditures |
|----------------------------------|--|------------|----------------------------|-------------------------------------|-------|---|
| | Number of Buildings | Floorspace | Floorspace per Building | Total | Total | Total |
| All Buildings* | 5.3 | 4.7 | 4.5 | 5.7 | 5.7 | 5.2 |
| Number of Establishments | | | | | | |
| One | 5.6 | 5.8 | 5.0 | 6.4 | 6.4 | 5.8 |
| 2 to 5 | 10.1 | 8.3 | 9.0 | 11.0 | 11.0 | 11.5 |
| 6 to 10 | 20.4 | 14.7 | 20.2 | 17.5 | 17.5 | 22.9 |
| 11 to 20 | 15.9 | 19.1 | 21.4 | 30.0 | 30.0 | 28.8 |
| More than 20 | 45.4 | 21.3 | 71.7 | 37.6 | 37.6 | 46.7 |
| Currently Unoccupied | 34.1 | 31.1 | 28.9 | 27.3 | 27.3 | 27.5 |
| Predominant Exterior | | | | | | |
| Wall Material | | | | | | |
| Brick, Stone or Stucco | 5.9 | 5.7 | 5.6 | 6.5 | 6.5 | 6.3 |
| Concrete (Block or Poured) | 10.0 | 11.0 | 7.2 | 14.9 | 14.9 | 13.6 |
| Concrete Panels | 12.6 | 14.5 | 15.1 | 20.8 | 20.8 | 25.6 |
| Siding or Shingles | 10.9 | 13.5 | 11.3 | 11.1 | 11.1 | 11.1 |
| Metal Panels | 15.0 | 11.6 | 8.5 | 18.1 | 18.1 | 18.7 |
| Window Glass | 39.6 | 23.2 | 35.8 | 34.3 | 34.3 | 29.2 |
| Other | 26.1 | 24.2 | 30.2 | 27.6 | 27.6 | 29.1 |
| No One Major Type | 44.4 | 30.5 | 52.0 | 34.4 | 34.4 | 35.1 |
| Predominant Roof Material | | | | | | |
| Built-Up | 7.4 | 6.9 | 6.8 | 9.1 | 9.1 | 8.4 |
| Shingles (Not Wood) | 7.9 | 7.6 | 7.1 | 11.8 | 11.8 | 12.2 |
| Metal Surfacing | 12.0 | 10.0 | 7.7 | 12.7 | 12.7 | 12.7 |
| Synthetic or Rubber | 7.3 | 7.3 | 9.1 | 7.3 | 7.3 | 7.2 |
| Slate or Tile | 12.0 | 13.2 | 11.8 | 16.0 | 16.0 | 14.5 |
| Wooden Materials | 31.2 | 24.3 | 23.1 | 27.5 | 27.5 | 24.3 |
| Concrete | 24.6 | 65.2 | 60.8 | 36.3 | 36.3 | 34.8 |
| Other | 36.4 | 31.4 | 30.8 | 37.9 | 37.9 | 43.5 |
| No One Major Type | 34.7 | 37.0 | 36.1 | 35.5 | 35.5 | 34.6 |
| Renovations in Buildings | | | | | | |
| Constructed Before 1980 | | | | | | |
| (more than one may apply) | | | | | | |
| Any Type of Renovation | | | | | | |
| Since 1980 | 8.3 | 6.4 | 6.4 | 8.3 | 8.3 | 6.5 |
| Addition or Annex | 11.8 | 11.4 | 11.0 | 13.0 | 13.0 | 10.3 |
| Reduction In Floorspace | 32.4 | 27.7 | 24.4 | 25.3 | 25.3 | 29.6 |
| Cosmetic Improvements | 9.3 | 6.6 | 7.2 | 7.6 | 7.6 | 7.2 |
| Wall or Roof Replacement | 14.5 | 8.4 | 12.7 | 10.0 | 10.0 | 10.7 |
| Interior Wall | | | | | | |
| Re-Configuration | 11.6 | 7.2 | 10.0 | 8.5 | 8.5 | 8.8 |
| HVAC Equipment Upgrade | 9.2 | 7.9 | 7.0 | 9.5 | 9.5 | 7.0 |
| Lighting Upgrade | 9.7 | 7.1 | 8.2 | 7.7 | 7.7 | 7.7 |
| Window Replacement | 10.7 | 8.3 | 10.1 | 11.7 | 11.7 | 10.9 |
| Plumbing System Upgrade | 10.3 | 9.1 | 9.8 | 10.1 | 10.1 | 10.3 |
| Insulation Upgrade | 15.1 | 12.1 | 14.5 | 10.7 | 10.7 | 10.6 |
| Other Renovation | 34.0 | 30.1 | 25.3 | 34.7 | 34.7 | 37.4 |
| No Renovations Since 1980 | 6.7 | 8.0 | 7.2 | 9.3 | 9.3 | 9.7 |
| Building Newer than 1980 | 8.3 | 6.6 | 6.5 | 8.5 | 8.5 | 9.1 |

RSEs for Table C23. Total Natural Gas Consumption and Expenditures in Non-Mall Buildings, 2003

| | RSEs for All Buildings* Using Natural Gas | | | RSES for Natural Gas Consumption | | RSEs for Natural Gas Expenditures |
|--|---|------------|-------------------------|----------------------------------|-------|-----------------------------------|
| | Number of Buildings | Floorspace | Floorspace per Building | Total | Total | Total |
| All Buildings* | 5.3 | 4.7 | 4.5 | 5.7 | 5.7 | 5.2 |
| Energy Sources (more than one may apply) | | | | | | |
| Electricity | 5.6 | 5.0 | 4.7 | 5.6 | 5.6 | 5.7 |
| Natural Gas | 5.3 | 4.7 | 4.5 | 5.7 | 5.7 | 5.2 |
| Fuel Oil | 15.5 | 10.3 | 16.9 | 13.0 | 13.0 | 14.6 |
| District Heat | 30.8 | 16.4 | 36.5 | 31.2 | 31.2 | 31.0 |
| District Chilled Water | 24.1 | 20.5 | 25.6 | 24.4 | 24.4 | 26.4 |
| Propane | 22.1 | 18.6 | 15.9 | 27.6 | 27.6 | 22.3 |
| Other | 26.2 | 21.3 | 24.5 | 24.5 | 24.5 | 25.2 |
| Space-Heating Energy Sources | | | | | | |
| Natural Gas | 5.5 | 4.9 | 4.3 | 5.9 | 5.9 | 5.5 |
| Natural Gas Main | 5.6 | 5.1 | 4.5 | 6.1 | 6.1 | 5.6 |
| Natural Gas Secondary | 11.7 | 9.8 | 9.2 | 11.9 | 11.9 | 12.8 |
| Other Excluding Natural Gas | 11.1 | 19.2 | 18.1 | 12.5 | 12.5 | 12.4 |
| Buildings without Heating | 24.2 | 31.8 | 37.7 | 58.5 | 58.5 | 55.2 |
| Primary Space-Heating Energy Source | | | | | | |
| Electricity | 9.8 | 9.4 | 8.8 | 9.8 | 9.8 | 9.8 |
| Natural Gas | 5.6 | 5.1 | 4.5 | 6.1 | 6.1 | 5.6 |
| Fuel Oil | 37.7 | 60.5 | 45.7 | 30.4 | 30.4 | 25.7 |
| District Heat | 33.3 | 17.1 | 40.8 | 33.1 | 33.1 | 36.0 |
| Propane | X | X | X | X | X | X |
| Other | 64.1 | 52.6 | 45.9 | 61.2 | 61.2 | 69.3 |
| Cooling Energy Sources | | | | | | |
| Natural Gas | 31.5 | 22.8 | 34.3 | 26.7 | 26.7 | 32.4 |
| Other Excluding Natural Gas | 5.3 | 4.9 | 4.5 | 5.8 | 5.8 | 5.2 |
| Buildings without Cooling | 17.1 | 19.9 | 13.2 | 14.5 | 14.5 | 13.9 |
| Water-Heating Energy Sources | | | | | | |
| Natural Gas | 5.1 | 4.9 | 4.6 | 6.5 | 6.5 | 6.0 |
| Other Excluding Natural Gas | 9.9 | 7.3 | 7.7 | 9.4 | 9.4 | 9.7 |
| Bldgs without Water Heating | 12.1 | 12.0 | 11.6 | 15.9 | 15.9 | 14.4 |
| Cooking Energy Sources | | | | | | |
| Natural Gas | 7.8 | 8.3 | 8.3 | 8.2 | 8.2 | 8.5 |
| Other Excluding Natural Gas | 13.4 | 10.6 | 13.5 | 14.4 | 14.4 | 13.0 |
| Buildings without Cooking | 5.6 | 5.6 | 4.4 | 6.9 | 6.9 | 6.6 |
| Energy End Uses (more than one may apply) | | | | | | |
| Buildings with Space Heating | 5.3 | 4.7 | 4.6 | 5.7 | 5.7 | 5.3 |
| Buildings with Cooling | 5.3 | 4.9 | 4.5 | 6.0 | 6.0 | 5.6 |
| Buildings with Water Heating | 5.3 | 4.8 | 4.5 | 5.8 | 5.8 | 5.3 |
| Buildings with Cooking | 7.1 | 7.7 | 7.7 | 7.7 | 7.7 | 7.8 |
| Buildings with Manufacturing | 14.7 | 15.1 | 16.4 | 23.4 | 23.4 | 19.3 |
| Buildings with Electricity Generation | 10.6 | 7.4 | 10.7 | 10.3 | 10.3 | 11.6 |

RSEs for Table C23. Total Natural Gas Consumption and Expenditures in Non-Mall Buildings, 2003

| | RSEs for All Buildings* Using Natural Gas | | | RSES for Natural Gas Consumption | | RSEs for Natural Gas Expenditures |
|---|--|------------|----------------------------|-------------------------------------|-------|---|
| | Number of Buildings | Floorspace | Floorspace per Building | Total | Total | Total |
| All Buildings* | 5.3 | 4.7 | 4.5 | 5.7 | 5.7 | 5.2 |
| Percent of Floorspace Heated | | | | | | |
| Not Heated | 24.2 | 31.8 | 37.7 | 58.5 | 58.5 | 55.2 |
| 1 to 50 | 14.6 | 12.7 | 8.4 | 18.7 | 18.7 | 17.6 |
| 51 to 99 | 7.7 | 8.9 | 8.9 | 12.5 | 12.5 | 14.0 |
| 100 | 5.8 | 5.9 | 5.2 | 6.1 | 6.1 | 5.4 |
| Percent of Floorspace Cooled | | | | | | |
| Not Cooled | 17.1 | 19.9 | 13.2 | 14.5 | 14.5 | 13.9 |
| 1 to 50 | 8.8 | 8.9 | 7.0 | 10.3 | 10.3 | 9.1 |
| 51 to 99 | 7.5 | 7.7 | 8.0 | 10.5 | 10.5 | 10.9 |
| 100 | 6.3 | 6.2 | 6.5 | 7.7 | 7.7 | 7.2 |
| Heating Equipment (more than one may apply) | | | | | | |
| Heat Pumps | 12.3 | 11.1 | 12.4 | 19.4 | 19.4 | 18.2 |
| Packaged Heat Pumps | 16.1 | 16.2 | 16.9 | 27.7 | 27.7 | 28.5 |
| Split-System Heat Pumps | 21.0 | 19.9 | 21.8 | 19.2 | 19.2 | 21.0 |
| Individual Room Heat Pumps | 15.3 | 14.4 | 13.1 | 19.8 | 19.8 | 18.9 |
| Furnaces | 6.4 | 7.3 | 5.2 | 9.0 | 9.0 | 7.2 |
| Individual Space Heaters | 11.7 | 7.4 | 9.5 | 9.9 | 9.9 | 9.0 |
| District Heat | 31.2 | 16.7 | 37.6 | 30.7 | 30.7 | 30.6 |
| Boilers | 7.4 | 8.0 | 6.3 | 7.8 | 7.8 | 8.2 |
| Packaged Heating Units | 9.2 | 5.9 | 8.0 | 8.8 | 8.8 | 7.0 |
| Other | 18.9 | 19.5 | 20.0 | 20.1 | 20.1 | 18.0 |
| Cooling Equipment (more than one may apply) | | | | | | |
| Residential-Type Central | | | | | | |
| Air Conditioners | 6.8 | 8.5 | 7.9 | 9.4 | 9.4 | 8.8 |
| Heat Pumps | 13.6 | 11.2 | 12.6 | 19.1 | 19.1 | 18.0 |
| Packaged Heat Pumps | 18.2 | 16.7 | 17.7 | 27.1 | 27.1 | 28.4 |
| Split-System Heat Pumps | 22.2 | 20.1 | 22.1 | 19.3 | 19.3 | 21.1 |
| Individual Room Heat Pumps | 15.3 | 14.5 | 13.2 | 19.7 | 19.7 | 18.8 |
| Individual Air Conditioners | 8.1 | 9.0 | 7.1 | 10.1 | 10.1 | 8.2 |
| District Chilled Water | 24.1 | 20.5 | 25.6 | 24.4 | 24.4 | 26.4 |
| Central Chillers | 9.0 | 10.0 | 8.8 | 11.0 | 11.0 | 12.9 |
| Packaged Air Conditioning | | | | | | |
| Units | 6.9 | 6.0 | 6.1 | 6.4 | 6.4 | 6.2 |
| Swamp Coolers | 20.7 | 17.4 | 12.3 | 18.8 | 18.8 | 20.4 |
| Other | 30.1 | 30.7 | 24.2 | 44.4 | 44.4 | 34.9 |
| Main Equipment Replaced Since 1990 (more than one may apply) | | | | | | |
| Heating | 7.0 | 6.8 | 5.2 | 9.3 | 9.3 | 9.3 |
| Cooling | 6.2 | 6.7 | 5.8 | 8.1 | 8.1 | 8.1 |
| Water Heating Equipment | | | | | | |
| Centralized System | 5.4 | 5.3 | 5.2 | 5.8 | 5.8 | 5.7 |
| Distributed System | 13.1 | 11.1 | 10.3 | 13.9 | 13.9 | 13.1 |
| Combination of Centralized and Distributed System | 10.4 | 7.4 | 11.6 | 12.5 | 12.5 | 13.3 |

RSEs for Table C23. Total Natural Gas Consumption and Expenditures in Non-Mall Buildings, 2003

| | RSEs for All Buildings* Using Natural Gas | | | RSES for Natural Gas Consumption | | RSEs for Natural Gas Expenditures |
|--|--|------------|----------------------------|-------------------------------------|-------|---|
| | Number of Buildings | Floorspace | Floorspace per Building | Total | Total | Total |
| All Buildings* | 5.3 | 4.7 | 4.5 | 5.7 | 5.7 | 5.2 |
| Energy-Related Space Functions (more than one may apply) | | | | | | |
| Commercial Food Preparation | 7.1 | 7.7 | 7.7 | 7.7 | 7.7 | 7.8 |
| Activities with Large Amounts of Hot Water | 7.6 | 8.1 | 8.1 | 8.0 | 8.0 | 7.7 |
| Separate Computer Area | 7.7 | 6.1 | 7.7 | 7.5 | 7.5 | 8.8 |
| HVAC Conservation Features (more than one may apply) | | | | | | |
| Variable Air-Volume System | 8.0 | 7.1 | 8.8 | 9.0 | 9.0 | 10.4 |
| Economizer Cycle | 6.7 | 6.2 | 6.6 | 7.1 | 7.1 | 7.9 |
| HVAC Maintenance | 5.1 | 5.0 | 4.8 | 6.0 | 6.0 | 5.7 |
| Energy Management and Control System (EMCS) | 10.8 | 7.2 | 9.5 | 9.3 | 9.3 | 10.7 |
| Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^a | | | | | | |
| Heating | 6.1 | 5.1 | 5.5 | 6.0 | 6.0 | 6.0 |
| Cooling | 6.4 | 5.3 | 5.7 | 6.0 | 6.0 | 6.2 |
| Lighting | 5.7 | 4.5 | 4.3 | 5.8 | 5.8 | 5.0 |
| Office Equipment | 7.2 | 6.7 | 6.9 | 8.4 | 8.4 | 7.3 |
| Annual Consumption (hundred cubic feet) | | | | | | |
| 1,000 or Less | 9.1 | 14.5 | 11.9 | 8.6 | 8.6 | 9.1 |
| 1,001 to 5,000 | 7.3 | 8.0 | 4.5 | 7.7 | 7.7 | 7.6 |
| 5,001 to 10,000 | 8.0 | 8.5 | 6.3 | 8.0 | 8.0 | 7.8 |
| 10,001 to 25,000 | 10.2 | 8.1 | 7.4 | 9.0 | 9.0 | 8.9 |
| 25,001 to 50,000 | 10.3 | 11.1 | 11.7 | 9.9 | 9.9 | 10.1 |
| 50,001 to 100,000 | 16.4 | 12.5 | 11.6 | 16.6 | 16.6 | 17.2 |
| Over 100,000 | 12.7 | 11.3 | 9.8 | 11.5 | 11.5 | 13.3 |
| Provider of Natural Gas (more than one may apply) | | | | | | |
| Local Utility | 5.5 | 4.9 | 4.5 | 6.2 | 6.2 | 5.3 |
| Some Other Provider | 19.9 | 12.5 | 17.4 | 11.4 | 11.4 | 13.2 |

X=No cases in the responding sample reported their consumption for the particular fuel, so relative standard error could not be calculated.

RSEs for Table C24. Natural Gas Consumption and Expenditure Intensities for Non-Mall Buildings, 2003

| | RSEs for Natural Gas Consumption | | | | | | RSEs for Natural Gas Expenditures | | |
|--|----------------------------------|-----------------|------------|------------------------------------|--------|-----------------|-----------------------------------|-----------------|-------------------------|
| | per Building | per Square Foot | per Worker | RSEs Not Available for Percentiles | | | | | |
| | | | | 25th Percentile | Median | 75th Percentile | per Building | per Square Foot | per Thousand Cubic Feet |
| All Buildings* | 5.6 | 3.9 | 4.4 | — | — | — | 5.8 | 4.2 | 2.4 |
| Building Floorspace (Square Feet) | | | | | | | | | |
| 1,001 to 5,000 | 6.4 | 6.5 | 9.2 | — | — | — | 5.8 | 5.8 | 3.1 |
| 5,001 to 10,000 | 10.2 | 9.9 | 10.7 | — | — | — | 8.5 | 8.3 | 4.6 |
| 10,001 to 25,000 | 9.5 | 9.4 | 10.0 | — | — | — | 9.5 | 9.3 | 2.9 |
| 25,001 to 50,000 | 8.0 | 8.2 | 10.3 | — | — | — | 5.6 | 5.7 | 5.8 |
| 50,001 to 100,000 | 7.7 | 7.8 | 8.7 | — | — | — | 7.9 | 8.0 | 2.7 |
| 100,001 to 200,000 | 10.1 | 11.5 | 11.2 | — | — | — | 13.6 | 13.5 | 10.5 |
| 200,001 to 500,000 | 13.3 | 12.7 | 13.5 | — | — | — | 14.7 | 13.9 | 4.4 |
| Over 500,000 | 16.5 | 17.2 | 18.6 | — | — | — | 22.5 | 23.1 | 9.3 |
| Principal Building Activity | | | | | | | | | |
| Education | 11.0 | 7.5 | 8.0 | — | — | — | 11.2 | 7.8 | 2.9 |
| Food Sales | 21.3 | 17.1 | 10.9 | — | — | — | 22.8 | 21.3 | 5.4 |
| Food Service | 8.1 | 9.5 | 11.2 | — | — | — | 8.8 | 9.6 | 5.0 |
| Health Care | 17.9 | 5.7 | 7.8 | — | — | — | 17.6 | 11.2 | 11.0 |
| Inpatient | 23.2 | 5.7 | 8.0 | — | — | — | 37.3 | 15.0 | 13.2 |
| Outpatient | 17.8 | 12.4 | 13.2 | — | — | — | 18.5 | 10.7 | 6.5 |
| Lodging | 18.2 | 14.5 | 7.9 | — | — | — | 20.0 | 17.2 | 6.3 |
| Retail (Other Than Mall)..... | 12.4 | 12.3 | 12.7 | — | — | — | 9.9 | 10.0 | 4.7 |
| Office | 13.5 | 10.6 | 11.4 | — | — | — | 14.1 | 12.0 | 2.8 |
| Public Assembly | 18.8 | 17.7 | 18.8 | — | — | — | 14.0 | 16.8 | 7.3 |
| Public Order and Safety | 21.4 | 14.5 | 22.0 | — | — | — | 23.9 | 16.3 | 13.7 |
| Religious Worship | 8.9 | 6.7 | 19.3 | — | — | — | 7.2 | 5.4 | 3.4 |
| Service | 13.2 | 11.8 | 15.2 | — | — | — | 14.2 | 13.1 | 4.5 |
| Warehouse and Storage | 18.5 | 15.4 | 16.7 | — | — | — | 14.5 | 10.0 | 10.9 |
| Other | 34.6 | 29.7 | 27.1 | — | — | — | 34.4 | 31.9 | 7.0 |
| Vacant | 24.8 | 21.4 | 100.2 | — | — | — | 25.0 | 22.1 | 5.5 |
| Year Constructed | | | | | | | | | |
| Before 1920 | 16.5 | 8.6 | 11.7 | — | — | — | 14.5 | 8.5 | 4.2 |
| 1920 to 1945 | 15.3 | 14.4 | 11.4 | — | — | — | 16.1 | 15.4 | 8.0 |
| 1946 to 1959 | 15.5 | 12.5 | 8.4 | — | — | — | 11.8 | 12.2 | 12.2 |
| 1960 to 1969 | 10.0 | 8.1 | 11.7 | — | — | — | 10.4 | 8.8 | 3.6 |
| 1970 to 1979 | 9.4 | 7.4 | 9.5 | — | — | — | 8.5 | 7.0 | 2.8 |
| 1980 to 1989 | 14.8 | 11.2 | 13.7 | — | — | — | 17.2 | 13.4 | 3.6 |
| 1990 to 1999 | 10.7 | 7.9 | 8.9 | — | — | — | 9.4 | 7.1 | 3.3 |
| 2000 to 2003 | 22.0 | 12.6 | 12.9 | — | — | — | 19.7 | 11.4 | 4.0 |
| Census Region and Division | | | | | | | | | |
| Northeast | 8.9 | 10.2 | 9.1 | — | — | — | 10.0 | 10.7 | 2.7 |
| New England | 19.8 | 16.8 | 19.7 | — | — | — | 21.9 | 22.6 | 8.9 |
| Middle Atlantic | 9.9 | 11.8 | 10.0 | — | — | — | 11.0 | 12.2 | 2.8 |
| Midwest | 9.1 | 6.1 | 8.8 | — | — | — | 8.3 | 5.7 | 3.8 |
| East North Central | 12.1 | 7.3 | 11.0 | — | — | — | 11.1 | 7.0 | 4.0 |
| West North Central | 14.8 | 12.5 | 15.6 | — | — | — | 12.0 | 8.9 | 10.7 |
| South | 12.6 | 8.1 | 7.7 | — | — | — | 10.3 | 8.5 | 6.9 |
| South Atlantic | 21.1 | 15.1 | 11.6 | — | — | — | 12.8 | 13.7 | 18.4 |
| East South Central | 27.5 | 13.6 | 17.6 | — | — | — | 25.9 | 15.2 | 4.9 |
| West South Central | 20.2 | 12.1 | 14.8 | — | — | — | 18.4 | 12.0 | 2.7 |
| West | 15.7 | 8.6 | 11.5 | — | — | — | 18.6 | 10.3 | 5.5 |
| Mountain | 24.8 | 9.3 | 17.2 | — | — | — | 31.4 | 14.2 | 10.8 |
| Pacific | 15.6 | 10.3 | 10.0 | — | — | — | 16.4 | 10.6 | 2.3 |

RSEs for Table C24. Natural Gas Consumption and Expenditure Intensities for Non-Mall Buildings, 2003

| | RSEs for Natural Gas Consumption | | | | | | RSEs for Natural Gas Expenditures | | |
|---------------------------------------|----------------------------------|-----------------|------------|------------------------------------|--------|-----------------|-----------------------------------|-----------------|-------------------------|
| | | | | RSEs Not Available for Percentiles | | | | | |
| | per Building | per Square Foot | per Worker | 25th Percentile | Median | 75th Percentile | per Building | per Square Foot | per Thousand Cubic Feet |
| All Buildings* | 5.6 | 3.9 | 4.4 | — | — | — | 5.8 | 4.2 | 2.4 |
| Climate Zone: 30-Year Average | | | | | | | | | |
| Under 2,000 CDD and -- | | | | | | | | | |
| More than 7,000 HDD | 10.8 | 5.9 | 9.6 | — | — | — | 9.6 | 3.7 | 4.2 |
| 5,500-7,000 HDD | 11.1 | 7.3 | 9.0 | — | — | — | 12.2 | 8.1 | 3.5 |
| 4,000-5,499 HDD | 12.9 | 12.7 | 13.2 | — | — | — | 12.6 | 13.3 | 5.7 |
| Fewer than 4,000 HDD | 15.1 | 9.7 | 8.5 | — | — | — | 11.5 | 8.3 | 9.9 |
| 2,000 CDD or More and -- | | | | | | | | | |
| Fewer than 4,000 HDD | 23.7 | 12.8 | 15.9 | — | — | — | 21.5 | 13.4 | 4.3 |
| Number of Floors | | | | | | | | | |
| One | 6.7 | 6.0 | 7.3 | — | — | — | 6.2 | 5.8 | 2.2 |
| Two | 8.3 | 7.3 | 7.7 | — | — | — | 8.3 | 7.1 | 3.4 |
| Three | 10.8 | 8.6 | 9.7 | — | — | — | 8.2 | 7.5 | 10.3 |
| Four to Nine | 13.0 | 9.2 | 9.5 | — | — | — | 12.4 | 8.6 | 3.1 |
| Ten or More | 19.8 | 20.1 | 21.4 | — | — | — | 25.3 | 25.3 | 8.0 |
| Number of Workers (main shift) | | | | | | | | | |
| Fewer than 5 | 7.6 | 7.8 | 9.6 | — | — | — | 6.1 | 7.0 | 4.0 |
| 5 to 9 | 8.7 | 9.2 | 8.4 | — | — | — | 9.0 | 9.5 | 3.3 |
| 10 to 19 | 8.0 | 11.0 | 8.4 | — | — | — | 7.1 | 11.4 | 3.3 |
| 20 to 49 | 9.3 | 9.1 | 9.9 | — | — | — | 10.1 | 10.1 | 4.8 |
| 50 to 99 | 8.4 | 6.8 | 7.9 | — | — | — | 8.5 | 7.6 | 4.6 |
| 100 to 249 | 11.4 | 10.4 | 10.4 | — | — | — | 11.5 | 10.3 | 11.0 |
| 250 or More | 11.4 | 10.9 | 12.0 | — | — | — | 15.2 | 14.5 | 5.9 |
| Weekly Operating Hours | | | | | | | | | |
| Fewer than 40 | 10.2 | 12.8 | 17.6 | — | — | — | 10.2 | 12.7 | 2.9 |
| 40 to 48 | 10.6 | 9.4 | 8.1 | — | — | — | 10.7 | 10.2 | 3.3 |
| 49 to 60 | 10.9 | 8.6 | 9.7 | — | — | — | 9.2 | 7.2 | 4.5 |
| 61 to 84 | 6.8 | 7.4 | 7.6 | — | — | — | 7.5 | 7.6 | 3.1 |
| 85 to 167 | 8.5 | 9.0 | 10.3 | — | — | — | 8.2 | 8.9 | 4.2 |
| Open Continuously | 10.1 | 6.3 | 7.6 | — | — | — | 11.4 | 8.6 | 5.6 |
| Ownership and Occupancy | | | | | | | | | |
| Nongovernment Owned | 6.6 | 4.7 | 5.2 | — | — | — | 6.8 | 5.2 | 2.8 |
| Owner Occupied | 9.2 | 6.6 | 7.3 | — | — | — | 8.5 | 6.8 | 5.3 |
| Nonowner Occupied | 8.2 | 6.4 | 7.4 | — | — | — | 8.8 | 6.6 | 2.1 |
| Unoccupied | 28.5 | 26.8 | 0.0 | — | — | — | 26.8 | 26.9 | 5.9 |
| Government Owned | 9.1 | 5.7 | 6.1 | — | — | — | 7.9 | 5.6 | 3.2 |
| Federal | 26.3 | 19.7 | 25.6 | — | — | — | 31.1 | 29.4 | 17.1 |
| State | 21.8 | 14.0 | 18.3 | — | — | — | 20.7 | 14.3 | 5.3 |
| Local | 9.8 | 6.7 | 6.6 | — | — | — | 8.7 | 6.5 | 2.9 |
| Vacancy Status | | | | | | | | | |
| Completely Vacant | 29.5 | 25.8 | 0.0 | — | — | — | 27.4 | 25.3 | 5.9 |
| Mostly Vacant | 51.0 | 29.3 | 29.0 | — | — | — | 54.1 | 33.0 | 8.4 |
| Partially Vacant | 12.4 | 9.4 | 11.1 | — | — | — | 14.1 | 11.4 | 3.8 |
| Not At All Vacant | 6.2 | 4.4 | 4.6 | — | — | — | 6.1 | 4.6 | 2.6 |

RSEs for Table C24. Natural Gas Consumption and Expenditure Intensities for Non-Mall Buildings, 2003

| | RSEs for Natural Gas Consumption | | | | | | RSEs for Natural Gas Expenditures | | |
|---|----------------------------------|-----------------|------------|------------------------------------|--------|-----------------|-----------------------------------|-----------------|-------------------------|
| | per Building | per Square Foot | per Worker | RSEs Not Available for Percentiles | | | | | |
| | | | | 25th Percentile | Median | 75th Percentile | per Building | per Square Foot | per Thousand Cubic Feet |
| All Buildings* | 5.6 | 3.9 | 4.4 | — | — | — | 5.8 | 4.2 | 2.4 |
| Number of Establishments | | | | | | | | | |
| One | 6.1 | 5.0 | 5.2 | — | — | — | 6.1 | 5.1 | 2.8 |
| 2 to 5 | 11.0 | 7.7 | 8.2 | — | — | — | 11.9 | 8.8 | 3.2 |
| 6 to 10 | 25.5 | 14.0 | 17.5 | — | — | — | 28.8 | 15.1 | 10.7 |
| 11 to 20 | 32.0 | 25.0 | 26.5 | — | — | — | 30.8 | 23.5 | 8.5 |
| More than 20 | 80.9 | 32.7 | 31.3 | — | — | — | 79.1 | 43.0 | 18.4 |
| Currently Unoccupied | 29.5 | 25.8 | 0.0 | — | — | — | 27.4 | 25.3 | 5.9 |
| Predominant Exterior Wall Material | | | | | | | | | |
| Brick, Stone or Stucco | 6.3 | 5.2 | 5.6 | — | — | — | 6.5 | 5.5 | 2.1 |
| Concrete (Block or Poured) | 11.6 | 10.2 | 10.3 | — | — | — | 10.8 | 9.8 | 7.9 |
| Concrete Panels | 20.9 | 14.5 | 17.5 | — | — | — | 24.8 | 19.3 | 7.4 |
| Siding or Shingles | 10.9 | 12.0 | 10.3 | — | — | — | 10.2 | 11.5 | 2.7 |
| Metal Panels | 13.6 | 11.9 | 10.6 | — | — | — | 14.2 | 12.9 | 4.5 |
| Window Glass | 39.9 | 19.1 | 33.4 | — | — | — | 36.6 | 21.0 | 15.5 |
| Other | 33.5 | 15.2 | 29.5 | — | — | — | 33.1 | 20.7 | 15.0 |
| No One Major Type | 50.3 | 28.9 | 29.4 | — | — | — | 51.1 | 29.3 | 4.3 |
| Predominant Roof Material | | | | | | | | | |
| Built-Up | 8.6 | 6.4 | 6.7 | — | — | — | 9.3 | 7.6 | 4.7 |
| Shingles (Not Wood) | 12.7 | 9.3 | 10.2 | — | — | — | 12.6 | 10.4 | 3.9 |
| Metal Surfacing | 11.8 | 9.5 | 10.1 | — | — | — | 10.8 | 8.4 | 4.1 |
| Synthetic or Rubber | 9.5 | 6.0 | 8.2 | — | — | — | 9.7 | 5.9 | 2.8 |
| Slate or Tile | 14.1 | 13.4 | 18.3 | — | — | — | 12.8 | 13.1 | 4.0 |
| Wooden Materials | 33.4 | 30.2 | 28.8 | — | — | — | 28.8 | 25.9 | 12.0 |
| Concrete | 23.0 | 116.1 | 29.6 | — | — | — | 23.1 | 142.4 | 14.1 |
| Other | 35.2 | 36.1 | 66.4 | — | — | — | 39.8 | 39.8 | 17.7 |
| No One Major Type | 34.2 | 21.9 | 52.9 | — | — | — | 27.8 | 19.1 | 18.1 |
| Renovations in Buildings Constructed Before 1980 (more than one may apply) | | | | | | | | | |
| Any Type of Renovation | | | | | | | | | |
| Since 1980 | 7.9 | 5.3 | 6.1 | — | — | — | 7.2 | 4.8 | 4.5 |
| Addition or Annex | 10.9 | 9.9 | 6.9 | — | — | — | 11.0 | 10.2 | 9.2 |
| Reduction In Floorspace | 23.5 | 12.8 | 14.8 | — | — | — | 26.2 | 15.5 | 15.5 |
| Cosmetic Improvements | 8.1 | 5.7 | 6.5 | — | — | — | 8.0 | 4.9 | 3.0 |
| Wall or Roof Replacement | 13.5 | 7.8 | 8.8 | — | — | — | 13.0 | 8.0 | 3.4 |
| Interior Wall | | | | | | | | | |
| Re-Configuration | 9.8 | 6.4 | 7.7 | — | — | — | 10.8 | 6.9 | 3.0 |
| HVAC Equipment Upgrade | 9.2 | 6.1 | 7.7 | — | — | — | 8.6 | 5.3 | 6.3 |
| Lighting Upgrade | 8.5 | 5.7 | 7.3 | — | — | — | 8.8 | 5.8 | 3.0 |
| Window Replacement | 13.3 | 10.2 | 10.7 | — | — | — | 11.8 | 10.0 | 4.8 |
| Plumbing System Upgrade | 12.0 | 9.0 | 9.1 | — | — | — | 12.0 | 9.2 | 3.3 |
| Insulation Upgrade | 14.8 | 9.2 | 12.3 | — | — | — | 13.7 | 8.3 | 4.9 |
| Other Renovation | 32.0 | 25.6 | 23.3 | — | — | — | 33.5 | 28.4 | 5.7 |
| No Renovations Since 1980 | 8.7 | 6.9 | 8.9 | — | — | — | 8.9 | 7.3 | 2.8 |
| Building Newer than 1980 | 8.6 | 6.1 | 6.7 | — | — | — | 9.1 | 6.8 | 2.3 |

RSEs for Table C24. Natural Gas Consumption and Expenditure Intensities for Non-Mall Buildings, 2003

| | RSEs for Natural Gas Consumption | | | | | | RSEs for Natural Gas Expenditures | | |
|--|----------------------------------|-----------------|------------|------------------------------------|--------|-----------------|-----------------------------------|-----------------|-------------------------|
| | | | | RSEs Not Available for Percentiles | | | | | |
| | per Building | per Square Foot | per Worker | 25th Percentile | Median | 75th Percentile | per Building | per Square Foot | per Thousand Cubic Feet |
| All Buildings* | 5.6 | 3.9 | 4.4 | — | — | — | 5.8 | 4.2 | 2.4 |
| Energy Sources (more than one may apply) | | | | | | | | | |
| Electricity | 6.3 | 4.2 | 4.7 | — | — | — | 6.4 | 4.3 | 2.1 |
| Natural Gas | 5.6 | 3.9 | 4.4 | — | — | — | 5.8 | 4.2 | 2.4 |
| Fuel Oil | 17.5 | 9.2 | 11.5 | — | — | — | 19.5 | 11.6 | 8.1 |
| District Heat | 46.6 | 26.7 | 31.2 | — | — | — | 45.7 | 26.2 | 5.3 |
| District Chilled Water | 24.5 | 22.2 | 24.8 | — | — | — | 23.8 | 23.4 | 4.9 |
| Propane | 24.9 | 17.2 | 13.1 | — | — | — | 21.1 | 16.3 | 26.4 |
| Other | 35.0 | 13.6 | 24.6 | — | — | — | 33.5 | 13.9 | 8.8 |
| Space-Heating Energy Sources | | | | | | | | | |
| Natural Gas | 5.9 | 3.9 | 4.5 | — | — | — | 6.2 | 4.3 | 2.4 |
| Natural Gas Main | 6.1 | 4.1 | 4.5 | — | — | — | 6.4 | 4.7 | 2.5 |
| Natural Gas Secondary | 10.7 | 8.7 | 12.7 | — | — | — | 11.7 | 9.4 | 4.8 |
| Other Excluding Natural Gas | 9.4 | 19.3 | 15.1 | — | — | — | 9.2 | 21.8 | 4.4 |
| Buildings without Heating | 54.9 | 64.6 | 58.5 | — | — | — | 51.0 | 61.8 | 7.3 |
| Primary Space-Heating Energy Source | | | | | | | | | |
| Electricity | 8.0 | 7.1 | 10.7 | — | — | — | 7.9 | 7.2 | 3.3 |
| Natural Gas | 6.1 | 4.1 | 4.5 | — | — | — | 6.4 | 4.7 | 2.5 |
| Fuel Oil | 21.9 | 81.0 | 37.5 | — | — | — | 24.4 | 98.9 | 13.7 |
| District Heat | 51.1 | 30.4 | 35.4 | — | — | — | 51.4 | 32.2 | 7.8 |
| Propane | X | X | X | — | — | — | X | X | X |
| Other | 58.4 | 12.5 | 43.7 | — | — | — | 64.0 | 58.1 | 60.4 |
| Cooling Energy Sources | | | | | | | | | |
| Natural Gas | 37.2 | 23.1 | 13.1 | — | — | — | 40.8 | 28.8 | 11.5 |
| Other Excluding Natural Gas | 5.5 | 3.7 | 4.7 | — | — | — | 5.6 | 4.0 | 2.7 |
| Buildings without Cooling | 14.3 | 12.6 | 17.5 | — | — | — | 13.0 | 12.1 | 5.3 |
| Water-Heating Energy Sources | | | | | | | | | |
| Natural Gas | 5.9 | 4.2 | 4.8 | — | — | — | 6.2 | 4.4 | 3.0 |
| Other Excluding Natural Gas | 10.0 | 8.2 | 8.8 | — | — | — | 8.4 | 7.5 | 3.2 |
| Bldgs without Water Heating | 13.7 | 11.9 | 12.5 | — | — | — | 13.4 | 11.9 | 8.2 |
| Cooking Energy Sources | | | | | | | | | |
| Natural Gas | 8.1 | 7.5 | 5.7 | — | — | — | 9.1 | 8.2 | 4.5 |
| Other Excluding Natural Gas | 15.8 | 11.4 | 15.1 | — | — | — | 14.3 | 10.4 | 3.3 |
| Buildings without Cooking | 6.8 | 5.2 | 6.5 | — | — | — | 6.6 | 5.0 | 2.5 |
| Energy End Uses (more than one may apply) | | | | | | | | | |
| Buildings with Space Heating | 5.6 | 4.0 | 4.4 | — | — | — | 5.8 | 4.2 | 2.4 |
| Buildings with Cooling | 5.7 | 3.8 | 4.5 | — | — | — | 6.0 | 4.2 | 2.6 |
| Buildings with Water Heating | 5.5 | 4.0 | 4.4 | — | — | — | 5.7 | 4.2 | 2.4 |
| Buildings with Cooking | 7.8 | 6.7 | 6.1 | — | — | — | 8.3 | 7.3 | 3.9 |
| Buildings with Manufacturing | 25.8 | 16.2 | 20.9 | — | — | — | 21.9 | 11.7 | 12.8 |
| Buildings with Electricity Generation | 11.8 | 7.2 | 9.5 | — | — | — | 13.1 | 9.5 | 6.5 |

RSEs for Table C24. Natural Gas Consumption and Expenditure Intensities for Non-Mall Buildings, 2003

| | RSEs for Natural Gas Consumption | | | | | | RSEs for Natural Gas Expenditures | | |
|---|----------------------------------|-----------------|------------|------------------------------------|--------|-----------------|-----------------------------------|-----------------|-------------------------|
| | per Building | per Square Foot | per Worker | RSEs Not Available for Percentiles | | | | | |
| | | | | 25th Percentile | Median | 75th Percentile | per Building | per Square Foot | per Thousand Cubic Feet |
| All Buildings* | 5.6 | 3.9 | 4.4 | — | — | — | 5.8 | 4.2 | 2.4 |
| Percent of Floorspace Heated | | | | | | | | | |
| Not Heated | 54.9 | 64.6 | 58.5 | — | — | — | 51.0 | 61.8 | 7.3 |
| 1 to 50 | 14.2 | 11.7 | 13.4 | — | — | — | 13.8 | 11.7 | 3.8 |
| 51 to 99 | 12.5 | 9.6 | 10.2 | — | — | — | 14.1 | 11.1 | 4.0 |
| 100 | 5.5 | 4.4 | 4.7 | — | — | — | 5.7 | 4.8 | 2.7 |
| Percent of Floorspace Cooled | | | | | | | | | |
| Not Cooled | 14.3 | 12.6 | 17.5 | — | — | — | 13.0 | 12.1 | 5.3 |
| 1 to 50 | 9.4 | 6.9 | 8.4 | — | — | — | 8.5 | 6.7 | 4.3 |
| 51 to 99 | 9.9 | 8.3 | 8.0 | — | — | — | 10.6 | 8.7 | 3.3 |
| 100 | 7.6 | 5.5 | 6.4 | — | — | — | 7.5 | 5.8 | 4.0 |
| Heating Equipment (more than one may apply) | | | | | | | | | |
| Heat Pumps | 19.0 | 14.3 | 14.4 | — | — | — | 18.5 | 14.9 | 13.3 |
| Packaged Heat Pumps | 25.4 | 21.0 | 22.5 | — | — | — | 30.0 | 26.3 | 24.4 |
| Split-System Heat Pumps | 26.8 | 17.8 | 17.2 | — | — | — | 27.8 | 22.1 | 7.0 |
| Individual Room Heat Pumps | 18.0 | 16.4 | 20.2 | — | — | — | 16.4 | 14.3 | 9.1 |
| Furnaces | 6.8 | 5.0 | 5.9 | — | — | — | 5.5 | 5.2 | 4.2 |
| Individual Space Heaters | 11.0 | 6.6 | 8.5 | — | — | — | 10.6 | 5.6 | 4.2 |
| District Heat | 47.1 | 27.5 | 32.8 | — | — | — | 45.9 | 26.8 | 7.1 |
| Boilers | 7.0 | 6.4 | 6.0 | — | — | — | 7.7 | 7.2 | 3.5 |
| Packaged Heating Units | 8.8 | 6.6 | 6.6 | — | — | — | 8.7 | 5.9 | 5.5 |
| Other | 16.2 | 17.0 | 21.8 | — | — | — | 15.1 | 14.9 | 7.4 |
| Cooling Equipment (more than one may apply) | | | | | | | | | |
| Residential-Type Central | | | | | | | | | |
| Air Conditioners | 8.8 | 8.7 | 8.2 | — | — | — | 8.2 | 9.0 | 4.8 |
| Heat Pumps | 18.5 | 13.8 | 14.0 | — | — | — | 18.7 | 15.0 | 13.1 |
| Packaged Heat Pumps | 25.4 | 19.9 | 21.6 | — | — | — | 30.4 | 26.5 | 23.9 |
| Split-System Heat Pumps | 25.7 | 17.3 | 17.2 | — | — | — | 26.1 | 21.5 | 7.0 |
| Individual Room Heat Pumps | 17.8 | 16.8 | 20.4 | — | — | — | 16.3 | 14.8 | 9.0 |
| Individual Air Conditioners | 8.4 | 7.5 | 7.4 | — | — | — | 8.1 | 7.7 | 7.4 |
| District Chilled Water | 24.5 | 22.2 | 24.8 | — | — | — | 23.8 | 23.4 | 4.9 |
| Central Chillers | 9.6 | 8.3 | 10.2 | — | — | — | 11.7 | 10.0 | 4.3 |
| Packaged Air Conditioning Units | 6.8 | 4.8 | 5.0 | — | — | — | 7.3 | 5.9 | 3.3 |
| Swamp Coolers | 18.1 | 18.0 | 13.7 | — | — | — | 19.6 | 18.9 | 4.4 |
| Other | 40.0 | 22.7 | 21.7 | — | — | — | 29.0 | 36.1 | 66.7 |
| Main Equipment Replaced Since 1990 (more than one may apply) | | | | | | | | | |
| Heating | 8.5 | 7.9 | 8.2 | — | — | — | 8.8 | 8.2 | 3.7 |
| Cooling | 8.4 | 6.1 | 6.7 | — | — | — | 8.3 | 6.6 | 3.6 |
| Water Heating Equipment | | | | | | | | | |
| Centralized System | 5.5 | 4.6 | 4.9 | — | — | — | 5.3 | 4.9 | 2.0 |
| Distributed System | 12.8 | 12.8 | 10.6 | — | — | — | 12.0 | 11.5 | 3.9 |
| Combination of Centralized and Distributed System | 14.6 | 9.1 | 12.2 | — | — | — | 16.5 | 10.9 | 8.2 |

RSEs for Table C24. Natural Gas Consumption and Expenditure Intensities for Non-Mall Buildings, 2003

| | RSEs for Natural Gas Consumption | | | | | | RSEs for Natural Gas Expenditures | | |
|--|----------------------------------|-----------------|------------|------------------------------------|--------|-----------------|-----------------------------------|-----------------|-------------------------|
| | per Building | per Square Foot | per Worker | RSEs Not Available for Percentiles | | | | | |
| | | | | 25th Percentile | Median | 75th Percentile | per Building | per Square Foot | per Thousand Cubic Feet |
| All Buildings* | 5.6 | 3.9 | 4.4 | — | — | — | 5.8 | 4.2 | 2.4 |
| Energy-Related Space Functions (more than one may apply) | | | | | | | | | |
| Commercial Food Preparation | 7.8 | 6.7 | 6.1 | — | — | — | 8.3 | 7.3 | 3.9 |
| Activities with Large Amounts of Hot Water | 7.0 | 8.2 | 7.6 | — | — | — | 7.3 | 8.4 | 4.2 |
| Separate Computer Area | 8.3 | 5.2 | 6.7 | — | — | — | 9.4 | 6.3 | 2.6 |
| HVAC Conservation Features (more than one may apply) | | | | | | | | | |
| Variable Air-Volume System | 10.5 | 6.2 | 7.2 | — | — | — | 11.7 | 7.8 | 3.5 |
| Economizer Cycle | 7.0 | 5.2 | 7.1 | — | — | — | 8.1 | 6.3 | 2.9 |
| HVAC Maintenance | 5.9 | 4.3 | 4.4 | — | — | — | 6.2 | 4.8 | 2.6 |
| Energy Management and Control System (EMCS) | 9.0 | 6.7 | 8.9 | — | — | — | 10.9 | 8.2 | 3.4 |
| Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^a | | | | | | | | | |
| Heating | 6.4 | 4.6 | 5.2 | — | — | — | 6.7 | 5.0 | 2.2 |
| Cooling | 6.7 | 4.3 | 4.8 | — | — | — | 7.1 | 4.9 | 2.3 |
| Lighting | 5.9 | 4.6 | 5.1 | — | — | — | 5.4 | 4.0 | 2.0 |
| Office Equipment | 7.0 | 7.5 | 5.7 | — | — | — | 6.2 | 7.3 | 3.4 |
| Annual Consumption (hundred cubic feet) | | | | | | | | | |
| 1,000 or Less | 3.9 | 13.5 | 9.0 | — | — | — | 3.8 | 13.1 | 3.1 |
| 1,001 to 5,000 | 1.7 | 4.3 | 7.0 | — | — | — | 2.6 | 4.6 | 2.1 |
| 5,001 to 10,000 | 1.2 | 6.1 | 8.4 | — | — | — | 3.1 | 6.8 | 3.4 |
| 10,001 to 25,000 | 2.6 | 6.4 | 8.0 | — | — | — | 3.6 | 6.1 | 2.6 |
| 25,001 to 50,000 | 1.7 | 11.9 | 9.4 | — | — | — | 3.9 | 11.6 | 3.1 |
| 50,001 to 100,000 | 2.9 | 12.2 | 14.4 | — | — | — | 9.6 | 13.9 | 7.6 |
| Over 100,000 | 9.1 | 6.7 | 10.5 | — | — | — | 14.8 | 10.6 | 7.0 |
| Provider of Natural Gas (more than one may apply) | | | | | | | | | |
| Local Utility | 6.1 | 4.4 | 4.7 | — | — | — | 5.9 | 4.4 | 2.7 |
| Some Other Provider | 17.5 | 9.7 | 11.6 | — | — | — | 18.1 | 11.3 | 4.8 |

X=No cases in the responding sample reported their consumption for the particular fuel, so relative standard error could not be calculated.

RSEs for Table C25. Natural Gas Consumption and Conditional Energy Intensity by Census Region for Non-Mall Buildings, 2003

| | RSEs for Total Natural Gas Consumption | | | | RSEs for Total Floorspace of Buildings Using Natural Gas | | | | RSEs for Natural Gas Energy Intensity | | | |
|--|--|----------|-------|------|--|----------|-------|------|---------------------------------------|----------|-------|------|
| | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west | South | West |
| All Buildings* | 10.0 | 6.9 | 12.5 | 14.5 | 10.1 | 6.3 | 10.0 | 8.1 | 10.2 | 6.1 | 8.1 | 8.6 |
| Building Floorspace (Square Feet) | | | | | | | | | | | | |
| 1,001 to 5,000 | 15.6 | 11.7 | 18.1 | 29.6 | 13.5 | 8.9 | 17.1 | 18.9 | 12.3 | 6.6 | 14.9 | 24.4 |
| 5,001 to 10,000 | 16.2 | 22.7 | 18.9 | 42.1 | 15.4 | 19.1 | 16.2 | 22.5 | 12.0 | 20.9 | 18.3 | 24.7 |
| 10,001 to 25,000 | 11.3 | 15.5 | 27.1 | 19.9 | 19.6 | 11.2 | 14.9 | 12.2 | 13.1 | 16.2 | 25.8 | 12.3 |
| 25,001 to 50,000 | 18.6 | 21.9 | 15.6 | 23.2 | 17.3 | 12.0 | 13.2 | 16.1 | 13.9 | 13.6 | 13.4 | 13.9 |
| 50,001 to 100,000 | 22.4 | 18.1 | 12.3 | 30.3 | 17.2 | 17.5 | 11.3 | 25.9 | 20.4 | 13.2 | 9.5 | 19.3 |
| 100,001 to 200,000 | 26.2 | 24.3 | 44.4 | 18.6 | 26.6 | 16.8 | 31.3 | 18.1 | 35.4 | 11.2 | 23.6 | 25.6 |
| 200,001 to 500,000 | 21.6 | 22.3 | 23.6 | 22.3 | 33.6 | 16.9 | 16.4 | 26.4 | 35.1 | 16.6 | 18.1 | 28.7 |
| Over 500,000 | 44.7 | 26.7 | 28.8 | 51.2 | 26.4 | 21.3 | 42.4 | 33.3 | 37.5 | 24.1 | 24.5 | 39.6 |
| Principal Building Activity | | | | | | | | | | | | |
| Education | 31.3 | 11.9 | 14.1 | 25.5 | 15.1 | 10.7 | 16.5 | 13.1 | 19.5 | 5.6 | 12.6 | 21.1 |
| Food Sales | 34.6 | 34.3 | 46.6 | 51.5 | 15.4 | 27.9 | 41.3 | 46.4 | 33.5 | 17.4 | 21.6 | 31.0 |
| Food Service | 16.6 | 18.5 | 21.0 | 30.1 | 22.5 | 19.2 | 18.6 | 21.8 | 22.2 | 15.1 | 15.9 | 24.4 |
| Health Care | 29.2 | 20.6 | 27.5 | 23.9 | 15.7 | 16.3 | 24.0 | 23.9 | 17.7 | 12.1 | 7.4 | 8.8 |
| Inpatient | 33.3 | 19.7 | 29.7 | 24.2 | 21.5 | 14.2 | 28.4 | 26.0 | 16.0 | 13.7 | 5.0 | 10.8 |
| Outpatient | 34.8 | 44.1 | 57.3 | 35.0 | 26.7 | 27.0 | 32.7 | 25.3 | 14.5 | 21.4 | 26.8 | 17.6 |
| Lodging | 33.7 | 21.7 | 18.0 | 45.3 | 47.3 | 14.9 | 20.6 | 23.5 | 65.4 | 16.2 | 11.8 | 34.4 |
| Retail (Other Than Mall)..... | 32.3 | 32.9 | 21.2 | 17.4 | 21.8 | 24.9 | 20.2 | 23.8 | 24.9 | 18.5 | 14.1 | 18.0 |
| Office | 27.1 | 22.4 | 24.6 | 20.6 | 15.8 | 14.0 | 25.2 | 16.2 | 23.7 | 11.7 | 14.0 | 20.6 |
| Public Assembly | 26.7 | 26.1 | 33.2 | 32.3 | 37.6 | 21.0 | 27.5 | 18.9 | 82.0 | 16.9 | 20.1 | 29.1 |
| Public Order and Safety | 36.9 | 26.8 | 56.3 | 56.5 | 33.9 | 32.7 | 35.8 | 44.3 | 9.9 | 17.6 | 56.4 | 11.7 |
| Religious Worship | 19.8 | 17.4 | 32.0 | 19.4 | 35.2 | 15.9 | 22.6 | 18.1 | 17.9 | 9.0 | 18.3 | 12.7 |
| Service | 26.4 | 31.4 | 35.2 | 34.7 | 34.9 | 26.6 | 32.1 | 47.7 | 38.2 | 17.7 | 24.2 | 26.2 |
| Warehouse and Storage | 21.3 | 29.5 | 35.9 | 61.3 | 26.5 | 17.3 | 25.5 | 36.9 | 19.5 | 21.0 | 22.5 | 53.0 |
| Other | 43.1 | 47.8 | 76.1 | 55.8 | 32.8 | 35.4 | 58.9 | 39.5 | 25.6 | 33.1 | 115.0 | 24.9 |
| Vacant | 62.4 | 31.7 | 82.6 | 55.7 | 49.8 | 40.8 | 53.1 | 44.9 | 37.7 | 29.2 | 46.1 | 42.2 |
| Year Constructed | | | | | | | | | | | | |
| Before 1920 | 19.6 | 23.4 | 49.5 | 50.9 | 24.8 | 18.9 | 49.0 | 34.8 | 19.3 | 9.9 | 12.3 | 17.2 |
| 1920 to 1945 | 26.7 | 25.1 | 25.4 | 39.5 | 25.7 | 16.3 | 20.8 | 29.0 | 32.1 | 16.2 | 15.2 | 35.2 |
| 1946 to 1959 | 21.3 | 16.4 | 46.0 | 34.0 | 21.9 | 15.2 | 24.7 | 23.0 | 34.0 | 11.5 | 33.6 | 17.1 |
| 1960 to 1969 | 19.9 | 14.5 | 16.8 | 22.5 | 21.2 | 16.2 | 20.0 | 16.3 | 18.4 | 15.0 | 10.9 | 16.7 |
| 1970 to 1979 | 20.7 | 16.3 | 14.2 | 21.7 | 23.8 | 14.1 | 15.0 | 24.0 | 20.2 | 12.6 | 13.0 | 16.7 |
| 1980 to 1989 | 27.2 | 24.2 | 25.8 | 29.3 | 19.0 | 13.8 | 17.6 | 18.4 | 22.5 | 13.4 | 23.9 | 20.6 |
| 1990 to 1999 | 31.7 | 16.1 | 17.7 | 24.2 | 16.6 | 16.2 | 14.4 | 20.8 | 25.0 | 10.5 | 14.0 | 17.8 |
| 2000 to 2003 | 48.2 | 24.7 | 26.2 | 33.0 | 30.2 | 17.1 | 21.0 | 24.2 | 25.2 | 14.2 | 16.8 | 27.0 |
| Climate Zone: 30-Year Average | | | | | | | | | | | | |
| Under 2,000 CDD and -- | | | | | | | | | | | | |
| More than 7,000 HDD | 74.1 | 10.1 | 0.0 | 28.0 | 71.8 | 10.4 | 0.0 | 21.0 | 15.0 | 6.6 | 0.0 | 11.5 |
| 5,500-7,000 HDD | 16.8 | 6.2 | 0.0 | 25.3 | 12.7 | 10.0 | 0.0 | 23.2 | 11.5 | 10.4 | 0.0 | 6.8 |
| 4,000-5,499 HDD | 33.9 | 49.4 | 35.1 | 33.4 | 23.7 | 24.7 | 34.5 | 41.7 | 20.0 | 34.6 | 21.3 | 8.3 |
| Fewer than 4,000 HDD | 0.0 | 0.0 | 25.0 | 19.7 | 0.0 | 0.0 | 21.0 | 8.4 | 0.0 | 0.0 | 11.0 | 16.9 |
| 2,000 CDD or More and -- | | | | | | | | | | | | |
| Fewer than 4,000 HDD | 0.0 | 0.0 | 25.0 | 40.4 | 0.0 | 0.0 | 23.5 | 46.5 | 0.0 | 0.0 | 13.5 | 31.3 |
| Number of Floors | | | | | | | | | | | | |
| One | 15.1 | 11.0 | 15.4 | 21.5 | 14.2 | 10.1 | 12.8 | 12.2 | 14.9 | 9.9 | 7.6 | 17.5 |
| Two | 12.2 | 10.5 | 20.7 | 13.9 | 21.1 | 10.7 | 12.7 | 13.1 | 28.6 | 9.9 | 19.3 | 9.1 |
| Three | 16.5 | 15.8 | 43.2 | 15.0 | 20.6 | 13.0 | 21.7 | 19.2 | 18.5 | 10.1 | 30.4 | 14.0 |
| Four to Nine | 20.4 | 16.1 | 20.1 | 33.5 | 24.8 | 12.2 | 27.0 | 23.7 | 22.1 | 8.5 | 17.5 | 26.9 |
| Ten or More | 43.8 | 32.0 | 30.1 | 63.6 | 25.8 | 24.5 | 42.2 | 43.3 | 36.5 | 27.2 | 15.3 | 67.7 |

RSEs for Table C25. Natural Gas Consumption and Conditional Energy Intensity by Census Region for Non-Mall Buildings, 2003

| | RSEs for Total Natural Gas Consumption | | | | RSEs for Total Floorspace of Buildings Using Natural Gas | | | | RSEs for Natural Gas Energy Intensity | | | |
|---|--|----------|-------|-------|--|----------|-------|------|---------------------------------------|----------|-------|------|
| | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west | South | West |
| All Buildings* | 10.0 | 6.9 | 12.5 | 14.5 | 10.1 | 6.3 | 10.0 | 8.1 | 10.2 | 6.1 | 8.1 | 8.6 |
| Number of Workers (main shift) | | | | | | | | | | | | |
| Fewer than 5 | 17.0 | 12.1 | 20.2 | 32.4 | 13.0 | 15.2 | 17.3 | 15.0 | 10.2 | 11.0 | 13.2 | 31.0 |
| 5 to 9 | 17.8 | 13.9 | 23.9 | 32.0 | 21.7 | 14.7 | 15.8 | 19.7 | 20.0 | 13.4 | 17.9 | 24.6 |
| 10 to 19 | 21.5 | 14.9 | 17.6 | 22.3 | 36.4 | 12.7 | 15.5 | 17.7 | 39.3 | 13.5 | 15.7 | 17.5 |
| 20 to 49 | 20.4 | 16.1 | 24.4 | 27.7 | 27.2 | 11.8 | 16.4 | 20.9 | 30.1 | 11.3 | 19.0 | 13.8 |
| 50 to 99 | 20.9 | 8.7 | 21.7 | 28.2 | 19.9 | 13.5 | 15.6 | 19.7 | 14.9 | 10.1 | 15.1 | 19.2 |
| 100 to 249 | 27.8 | 22.8 | 35.6 | 17.3 | 15.2 | 16.4 | 20.7 | 13.6 | 29.6 | 13.2 | 22.4 | 20.2 |
| 250 or More | 27.9 | 19.0 | 22.1 | 34.4 | 17.7 | 17.6 | 32.5 | 23.3 | 20.1 | 16.8 | 18.0 | 23.4 |
| Weekly Operating Hours | | | | | | | | | | | | |
| Fewer than 40 | 34.7 | 13.8 | 20.9 | 47.2 | 29.1 | 22.0 | 15.7 | 24.9 | 17.9 | 15.0 | 16.5 | 29.2 |
| 40 to 48 | 22.0 | 15.4 | 17.3 | 26.1 | 26.6 | 10.7 | 13.0 | 18.0 | 37.8 | 11.7 | 14.9 | 13.5 |
| 49 to 60 | 13.4 | 17.4 | 28.8 | 18.8 | 15.3 | 11.8 | 13.0 | 16.8 | 13.2 | 12.7 | 26.1 | 9.6 |
| 61 to 84 | 16.3 | 11.3 | 18.7 | 29.8 | 14.4 | 14.2 | 19.0 | 12.7 | 14.4 | 5.4 | 17.1 | 27.4 |
| 85 to 167 | 27.7 | 13.3 | 18.5 | 18.0 | 18.6 | 13.2 | 16.6 | 13.5 | 22.1 | 13.0 | 21.9 | 17.5 |
| Open Continuously | 22.8 | 14.2 | 18.1 | 24.1 | 16.1 | 11.2 | 16.4 | 16.8 | 15.8 | 10.6 | 10.9 | 14.8 |
| Ownership and Occupancy | | | | | | | | | | | | |
| Nongovernment Owned | 13.1 | 7.9 | 13.8 | 17.6 | 12.3 | 7.3 | 11.8 | 9.7 | 12.2 | 7.6 | 9.1 | 10.1 |
| Owner Occupied | 18.3 | 11.7 | 21.0 | 21.1 | 13.3 | 9.1 | 11.7 | 14.2 | 16.3 | 9.7 | 15.7 | 8.4 |
| Nonowner Occupied | 10.2 | 9.1 | 14.9 | 21.3 | 16.0 | 10.8 | 14.3 | 13.3 | 13.3 | 11.6 | 14.0 | 13.8 |
| Unoccupied | 57.4 | 32.1 | 95.1 | 100.7 | 65.2 | 43.9 | 66.1 | 69.1 | 18.1 | 33.5 | 49.4 | 51.7 |
| Government Owned | 21.3 | 8.2 | 13.6 | 22.7 | 11.0 | 8.0 | 12.0 | 12.6 | 14.6 | 7.1 | 10.2 | 16.3 |
| Federal | 61.7 | 47.9 | 34.2 | 48.7 | 51.7 | 44.4 | 43.2 | 38.9 | 16.3 | 15.9 | 32.7 | 19.5 |
| State | 54.2 | 38.0 | 27.3 | 47.4 | 38.7 | 34.1 | 21.8 | 32.6 | 29.4 | 27.8 | 11.1 | 34.9 |
| Local | 24.7 | 12.0 | 18.8 | 24.1 | 12.3 | 10.2 | 17.6 | 21.8 | 17.4 | 7.4 | 15.3 | 19.0 |
| Vacancy Status | | | | | | | | | | | | |
| Completely Vacant | 55.9 | 33.4 | 95.1 | 100.7 | 57.2 | 41.9 | 61.5 | 69.1 | 45.0 | 32.4 | 51.3 | 51.7 |
| Mostly Vacant | 93.6 | 86.3 | 101.3 | 64.4 | 81.9 | 90.0 | 101.3 | 57.8 | 70.0 | 4.5 | 0.0 | 56.8 |
| Partially Vacant | 25.6 | 16.4 | 23.6 | 24.7 | 16.2 | 11.6 | 26.2 | 18.6 | 22.9 | 11.5 | 15.5 | 17.8 |
| Not At All Vacant | 9.1 | 7.8 | 13.6 | 16.2 | 13.5 | 7.1 | 9.9 | 9.3 | 13.9 | 6.2 | 8.4 | 9.9 |
| Number of Establishments | | | | | | | | | | | | |
| One | 10.7 | 8.3 | 14.7 | 14.1 | 15.9 | 8.6 | 11.5 | 7.2 | 17.4 | 7.8 | 8.6 | 9.6 |
| 2 to 5 | 21.2 | 18.4 | 18.2 | 29.9 | 18.1 | 13.6 | 15.7 | 19.8 | 14.6 | 12.7 | 13.2 | 17.3 |
| 6 to 10 | 34.7 | 18.8 | 91.1 | 20.1 | 32.5 | 20.1 | 39.3 | 20.0 | 25.5 | 22.1 | 58.7 | 13.6 |
| 11 to 20 | 36.1 | 42.1 | 61.5 | 50.0 | 46.8 | 30.9 | 30.0 | 37.6 | 28.2 | 31.3 | 47.8 | 33.1 |
| More than 20 | 74.7 | 47.2 | 43.9 | 52.4 | 34.0 | 39.4 | 36.2 | 47.8 | 66.8 | 44.8 | 24.5 | 16.3 |
| Currently Unoccupied | 55.9 | 33.4 | 95.1 | 100.7 | 57.2 | 41.9 | 61.5 | 69.1 | 45.0 | 32.4 | 51.3 | 51.7 |
| Predominant Exterior Wall Material | | | | | | | | | | | | |
| Brick, Stone or Stucco | 13.9 | 10.6 | 9.8 | 16.9 | 13.8 | 7.9 | 10.2 | 12.7 | 15.4 | 5.6 | 7.8 | 10.6 |
| Concrete (Block or Poured) | 19.2 | 21.1 | 36.2 | 24.5 | 18.5 | 21.6 | 21.4 | 14.5 | 22.4 | 12.6 | 27.2 | 16.7 |
| Concrete Panels | 24.7 | 22.4 | 31.1 | 47.6 | 16.2 | 15.7 | 30.4 | 26.9 | 21.3 | 21.0 | 18.7 | 30.9 |
| Siding or Shingles | 28.0 | 13.8 | 27.9 | 19.1 | 32.0 | 19.2 | 24.7 | 33.2 | 18.7 | 16.5 | 28.3 | 35.2 |
| Metal Panels | 44.6 | 19.7 | 30.2 | 42.5 | 28.1 | 18.3 | 21.2 | 25.0 | 25.7 | 11.0 | 25.6 | 21.3 |
| Window Glass | 63.2 | 57.3 | 43.5 | 58.3 | 24.8 | 51.7 | 30.7 | 56.2 | 66.6 | 28.6 | 33.4 | 20.7 |
| Other | 57.1 | 41.0 | 51.8 | 44.1 | 43.6 | 43.7 | 45.5 | 53.7 | 32.9 | 25.7 | 19.2 | 62.0 |
| No One Major Type | 66.3 | 50.6 | 100.2 | 63.6 | 60.7 | 33.6 | 100.2 | 56.0 | 22.1 | 32.8 | . | 55.6 |

RSEs for Table C25. Natural Gas Consumption and Conditional Energy Intensity by Census Region for Non-Mall Buildings, 2003

| | RSEs for Total Natural Gas Consumption | | | | RSEs for Total Floorspace of Buildings Using Natural Gas | | | | RSEs for Natural Gas Energy Intensity | | | |
|---|--|----------|-------|------|--|----------|-------|------|---------------------------------------|----------|-------|------|
| | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west | South | West |
| All Buildings* | 10.0 | 6.9 | 12.5 | 14.5 | 10.1 | 6.3 | 10.0 | 8.1 | 10.2 | 6.1 | 8.1 | 8.6 |
| Predominant Roof Material | | | | | | | | | | | | |
| Built-Up | 5.8 | 11.9 | 22.0 | 19.8 | 14.4 | 8.4 | 15.9 | 12.3 | 11.7 | 9.4 | 13.9 | 17.4 |
| Shingles (Not Wood) | 34.9 | 17.1 | 14.4 | 18.1 | 15.8 | 12.6 | 14.0 | 17.0 | 28.9 | 11.7 | 11.7 | 17.8 |
| Metal Surfacing | 31.0 | 16.3 | 20.0 | 32.5 | 31.1 | 14.0 | 17.8 | 20.6 | 11.7 | 15.7 | 14.8 | 17.7 |
| Synthetic or Rubber | 14.2 | 10.3 | 15.7 | 28.6 | 13.1 | 11.3 | 14.5 | 27.3 | 9.8 | 8.8 | 9.8 | 27.9 |
| Slate or Tile | 26.7 | 31.6 | 32.5 | 32.2 | 27.4 | 26.9 | 24.5 | 26.0 | 49.8 | 15.9 | 24.7 | 11.9 |
| Wooden Materials | 95.9 | 41.0 | 42.8 | 45.4 | 95.9 | 32.7 | 57.2 | 45.8 | 0.0 | 43.4 | 104.8 | 23.9 |
| Concrete | 75.4 | 59.3 | 47.7 | 85.5 | 98.1 | 65.9 | 77.0 | 42.2 | 1268.9 | 34.2 | 50.8 | 67.0 |
| Other | 100.1 | 59.6 | 103.4 | 50.2 | 100.1 | 36.0 | 103.4 | 48.1 | 0.5 | 45.7 | 0.0 | 74.2 |
| No One Major Type | 54.1 | 56.2 | 88.2 | 82.1 | 62.7 | 51.5 | 62.5 | 5.4 | 32.0 | 24.4 | 37.7 | 81.2 |
| Renovations in Buildings Constructed Before 1980 (more than one may apply) | | | | | | | | | | | | |
| Any Type of Renovation | | | | | | | | | | | | |
| Since 1980 | 12.8 | 13.4 | 20.9 | 14.2 | 11.6 | 11.0 | 12.4 | 11.6 | 13.2 | 6.5 | 12.6 | 8.7 |
| Addition or Annex | 27.3 | 19.8 | 33.5 | 16.4 | 31.2 | 15.1 | 24.0 | 11.7 | 43.0 | 9.8 | 15.8 | 11.4 |
| Reduction In Floorspace | 39.6 | 41.9 | 67.1 | 69.7 | 39.8 | 55.0 | 66.7 | 76.4 | 17.6 | 45.8 | 25.8 | 19.4 |
| Cosmetic Improvements | 17.4 | 11.8 | 12.9 | 13.2 | 14.3 | 10.9 | 11.1 | 12.1 | 16.2 | 5.6 | 10.3 | 8.9 |
| Wall or Roof Replacement | 19.4 | 14.2 | 20.8 | 28.8 | 16.1 | 13.8 | 16.1 | 21.1 | 20.4 | 10.2 | 10.4 | 22.2 |
| Interior Wall | | | | | | | | | | | | |
| Re-Configuration | 16.9 | 13.8 | 20.4 | 15.0 | 13.5 | 12.1 | 12.1 | 14.7 | 17.5 | 8.2 | 14.3 | 8.6 |
| HVAC Equipment Upgrade | 12.6 | 15.1 | 27.9 | 14.0 | 17.5 | 12.6 | 17.3 | 14.3 | 12.4 | 9.6 | 16.0 | 9.6 |
| Lighting Upgrade | 15.1 | 12.5 | 16.5 | 13.4 | 13.3 | 12.4 | 13.5 | 12.6 | 14.9 | 6.6 | 13.7 | 8.6 |
| Window Replacement | 21.9 | 16.1 | 22.1 | 40.0 | 16.0 | 10.5 | 22.3 | 23.6 | 22.5 | 10.7 | 19.0 | 22.8 |
| Plumbing System Upgrade | 22.5 | 14.9 | 19.9 | 23.0 | 16.8 | 16.1 | 17.4 | 19.5 | 27.0 | 9.2 | 12.4 | 15.8 |
| Insulation Upgrade | 21.6 | 16.3 | 24.8 | 26.5 | 29.8 | 13.6 | 23.8 | 33.7 | 17.8 | 10.9 | 18.9 | 32.7 |
| Other Renovation | 49.2 | 42.5 | 76.4 | 99.2 | 50.5 | 40.0 | 61.8 | 99.2 | 54.0 | 14.0 | 62.9 | 0.0 |
| No Renovations Since 1980 | 20.9 | 14.3 | 15.4 | 21.4 | 19.4 | 11.1 | 17.5 | 14.0 | 19.0 | 9.9 | 8.7 | 14.3 |
| Building Newer than 1980 | 22.2 | 12.2 | 13.6 | 22.3 | 11.8 | 10.3 | 11.8 | 16.0 | 19.1 | 8.9 | 10.6 | 14.3 |
| Energy Sources (more than one may apply) | | | | | | | | | | | | |
| Electricity | 11.0 | 7.4 | 9.9 | 16.3 | 10.2 | 8.3 | 9.6 | 9.5 | 11.3 | 6.5 | 8.2 | 9.0 |
| Natural Gas | 10.0 | 6.9 | 12.5 | 14.5 | 10.1 | 6.3 | 10.0 | 8.1 | 10.2 | 6.1 | 8.1 | 8.6 |
| Fuel Oil | 22.2 | 22.4 | 23.6 | 33.8 | 16.2 | 13.7 | 24.6 | 19.7 | 12.3 | 14.0 | 18.8 | 25.0 |
| District Heat | 54.2 | 49.9 | 46.5 | 51.3 | 24.3 | 26.8 | 39.5 | 34.4 | 40.5 | 37.9 | 39.3 | 55.1 |
| District Chilled Water | 49.4 | 56.1 | 39.0 | 41.1 | 33.0 | 64.0 | 37.3 | 38.5 | 34.0 | 60.7 | 33.0 | 37.3 |
| Propane | 72.0 | 26.5 | 66.0 | 53.9 | 51.0 | 30.9 | 38.3 | 33.5 | 25.6 | 20.0 | 50.3 | 34.9 |
| Other | 57.3 | 40.2 | 39.6 | 55.6 | 45.3 | 31.3 | 22.8 | 65.1 | 29.7 | 17.2 | 30.4 | 15.3 |
| Space-Heating Energy Sources | | | | | | | | | | | | |
| Natural Gas | 10.1 | 7.0 | 13.5 | 15.8 | 10.2 | 6.2 | 10.7 | 10.0 | 10.0 | 6.3 | 8.1 | 8.8 |
| Natural Gas Main | 10.2 | 7.4 | 14.3 | 15.6 | 10.1 | 6.3 | 11.3 | 10.9 | 10.1 | 6.7 | 8.4 | 9.2 |
| Natural Gas Secondary | 26.7 | 15.1 | 26.1 | 29.1 | 23.2 | 14.4 | 18.1 | 23.9 | 21.1 | 17.2 | 13.2 | 20.3 |
| Other Excluding Natural Gas | 28.0 | 34.5 | 21.4 | 14.7 | 47.5 | 20.4 | 21.6 | 23.5 | 56.1 | 24.8 | 21.8 | 25.9 |
| Buildings without Heating | 100.1 | 94.1 | 67.2 | 84.5 | 100.1 | 82.3 | 52.0 | 46.0 | 0.0 | 11.5 | 63.1 | 91.8 |
| Primary Space-Heating Energy Source | | | | | | | | | | | | |
| Electricity | 24.2 | 16.7 | 18.2 | 18.4 | 22.2 | 15.6 | 16.6 | 19.3 | 11.1 | 15.9 | 12.3 | 12.9 |
| Natural Gas | 10.2 | 7.4 | 14.3 | 15.6 | 10.1 | 6.3 | 11.3 | 10.9 | 10.1 | 6.7 | 8.4 | 9.2 |
| Fuel Oil | 37.3 | 94.8 | 23.9 | X | 63.8 | 83.6 | 21.4 | X | 79.3 | 71.3 | 51.3 | X |
| District Heat | 54.5 | 53.1 | 60.6 | 51.3 | 25.0 | 27.0 | 43.3 | 34.4 | 49.9 | 42.7 | 48.8 | 55.1 |
| Propane | 0.0 | 0.0 | X | 0.0 | 0.0 | 0.0 | X | 0.0 | 0.0 | 0.0 | X | 0.0 |
| Other | 85.3 | 84.6 | 100.8 | X | 79.1 | 75.5 | 100.8 | X | 11.6 | 47.2 | 0.0 | X |

RSEs for Table C25. Natural Gas Consumption and Conditional Energy Intensity by Census Region for Non-Mall Buildings, 2003

| | RSEs for Total Natural Gas Consumption | | | | RSEs for Total Floorspace of Buildings Using Natural Gas | | | | RSEs for Natural Gas Energy Intensity | | | |
|--|--|----------|-------|------|--|----------|-------|------|---------------------------------------|----------|-------|------|
| | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west | South | West |
| All Buildings* | 10.0 | 6.9 | 12.5 | 14.5 | 10.1 | 6.3 | 10.0 | 8.1 | 10.2 | 6.1 | 8.1 | 8.6 |
| Cooling Energy Sources | | | | | | | | | | | | |
| Natural Gas | 48.6 | 38.9 | 45.8 | 31.5 | 37.8 | 35.5 | 40.9 | 57.7 | 33.3 | 24.5 | 46.7 | 88.1 |
| Other Excluding Natural Gas | 8.5 | 7.4 | 12.3 | 15.6 | 10.7 | 6.8 | 10.2 | 8.7 | 7.8 | 5.4 | 7.8 | 9.4 |
| Buildings without Cooling | 24.8 | 24.5 | 39.3 | 21.9 | 26.9 | 34.5 | 39.5 | 27.0 | 34.9 | 14.5 | 21.3 | 24.3 |
| Water-Heating Energy Sources | | | | | | | | | | | | |
| Natural Gas | 11.5 | 9.5 | 13.8 | 13.9 | 11.0 | 7.1 | 9.8 | 9.0 | 11.9 | 6.2 | 9.4 | 7.6 |
| Other Excluding Natural Gas | 17.5 | 15.7 | 13.2 | 33.3 | 13.2 | 13.8 | 14.5 | 13.1 | 13.0 | 14.3 | 13.8 | 20.1 |
| Bldgs without Water Heating | 27.2 | 26.5 | 34.8 | 36.9 | 25.2 | 16.8 | 25.8 | 28.0 | 21.5 | 20.1 | 21.9 | 31.5 |
| Cooking Energy Sources | | | | | | | | | | | | |
| Natural Gas | 19.0 | 10.3 | 15.9 | 20.7 | 26.5 | 8.9 | 12.3 | 16.0 | 29.3 | 7.1 | 11.8 | 14.0 |
| Other Excluding Natural Gas | 39.6 | 15.6 | 28.3 | 28.6 | 18.4 | 15.9 | 26.8 | 23.3 | 27.0 | 12.8 | 10.9 | 19.1 |
| Buildings without Cooking | 12.0 | 9.7 | 15.9 | 17.1 | 14.9 | 7.0 | 12.8 | 8.5 | 10.2 | 7.5 | 11.6 | 14.3 |
| Energy End Uses (more than one may apply) | | | | | | | | | | | | |
| Buildings with Space Heating | 10.1 | 6.9 | 12.6 | 14.7 | 10.1 | 6.4 | 10.0 | 8.3 | 10.4 | 6.1 | 8.2 | 8.7 |
| Buildings with Cooling | 10.8 | 7.7 | 12.6 | 15.3 | 10.7 | 6.8 | 10.2 | 8.7 | 9.2 | 5.5 | 8.1 | 8.6 |
| Buildings with Water Heating | 10.3 | 6.9 | 12.7 | 15.0 | 10.7 | 6.5 | 9.9 | 8.8 | 10.4 | 6.2 | 8.6 | 8.3 |
| Buildings with Cooking | 17.5 | 9.3 | 15.0 | 20.6 | 22.6 | 9.2 | 13.2 | 15.5 | 23.8 | 7.5 | 12.0 | 12.5 |
| Buildings with Manufacturing | 35.5 | 45.5 | 38.8 | 56.3 | 28.9 | 19.4 | 29.8 | 38.8 | 17.8 | 36.9 | 33.2 | 37.2 |
| Buildings with Electricity Generation | 19.5 | 15.4 | 19.1 | 29.7 | 14.0 | 11.1 | 16.0 | 17.1 | 15.0 | 9.6 | 15.7 | 22.1 |
| Percent of Floorspace Heated | | | | | | | | | | | | |
| Not Heated | 100.1 | 94.1 | 67.2 | 84.5 | 100.1 | 82.3 | 52.0 | 46.0 | 0.0 | 11.5 | 63.1 | 91.8 |
| 1 to 50 | 34.7 | 39.1 | 35.3 | 41.2 | 38.4 | 27.0 | 23.6 | 16.4 | 14.6 | 24.0 | 25.9 | 30.2 |
| 51 to 99 | 35.8 | 17.6 | 16.7 | 26.3 | 21.0 | 19.3 | 15.6 | 16.6 | 30.3 | 14.0 | 14.0 | 15.9 |
| 100 | 7.5 | 7.7 | 14.1 | 17.1 | 14.0 | 7.2 | 12.4 | 11.2 | 13.0 | 6.2 | 8.1 | 9.4 |
| Percent of Floorspace Cooled | | | | | | | | | | | | |
| Not Cooled | 24.8 | 24.5 | 39.3 | 21.9 | 26.9 | 34.5 | 39.5 | 27.0 | 34.9 | 14.5 | 21.3 | 24.3 |
| 1 to 50 | 11.8 | 16.4 | 22.0 | 35.8 | 13.4 | 12.9 | 22.6 | 23.4 | 10.5 | 8.9 | 15.6 | 25.4 |
| 51 to 99 | 25.9 | 15.9 | 14.6 | 21.1 | 19.8 | 13.5 | 10.0 | 15.9 | 24.1 | 9.4 | 12.8 | 14.6 |
| 100 | 10.5 | 8.7 | 14.5 | 21.3 | 8.7 | 9.7 | 12.5 | 12.6 | 8.2 | 6.9 | 12.0 | 13.7 |
| Heating Equipment (more than one may apply) | | | | | | | | | | | | |
| Heat Pumps | 33.2 | 24.5 | 31.6 | 49.9 | 26.3 | 28.3 | 18.2 | 17.9 | 25.9 | 13.1 | 25.5 | 41.5 |
| Packaged Heat Pumps | 32.1 | 28.6 | 49.8 | 64.7 | 31.4 | 32.5 | 28.0 | 33.6 | 22.3 | 15.0 | 43.6 | 55.5 |
| Split-System Heat Pumps | 40.5 | 43.6 | 27.0 | 40.9 | 40.4 | 35.4 | 29.1 | 33.6 | 39.2 | 45.1 | 27.1 | 31.2 |
| Individual Room Heat Pumps | 44.2 | 39.2 | 26.7 | 21.4 | 30.2 | 44.6 | 24.2 | 23.4 | 37.1 | 16.7 | 18.9 | 31.9 |
| Furnaces | 17.7 | 9.4 | 24.0 | 25.0 | 16.0 | 8.3 | 17.5 | 15.3 | 16.0 | 6.9 | 11.3 | 14.5 |
| Individual Space Heaters | 22.7 | 14.7 | 19.1 | 23.1 | 19.1 | 12.5 | 13.7 | 12.7 | 18.2 | 9.5 | 13.4 | 14.5 |
| District Heat | 58.8 | 52.1 | 46.5 | 51.3 | 24.8 | 24.7 | 39.5 | 34.4 | 48.4 | 46.5 | 39.3 | 55.1 |
| Boilers | 16.3 | 9.5 | 18.3 | 18.4 | 20.1 | 7.7 | 17.2 | 15.8 | 20.0 | 5.8 | 13.5 | 12.1 |
| Packaged Heating Units | 15.5 | 11.1 | 19.1 | 22.0 | 15.9 | 10.1 | 10.6 | 11.2 | 10.6 | 11.4 | 15.0 | 17.4 |
| Other | 40.3 | 33.2 | 27.9 | 50.7 | 25.6 | 27.1 | 39.4 | 55.5 | 33.1 | 19.7 | 32.8 | 14.2 |

RSEs for Table C25. Natural Gas Consumption and Conditional Energy Intensity by Census Region for Non-Mall Buildings, 2003

| | RSEs for Total Natural Gas Consumption | | | | RSEs for Total Floorspace of Buildings Using Natural Gas | | | | RSEs for Natural Gas Energy Intensity | | | |
|--|--|----------|-------|------|--|----------|-------|------|---------------------------------------|----------|-------|------|
| | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west | South | West |
| All Buildings* | 10.0 | 6.9 | 12.5 | 14.5 | 10.1 | 6.3 | 10.0 | 8.1 | 10.2 | 6.1 | 8.1 | 8.6 |
| Cooling Equipment (more than one may apply) | | | | | | | | | | | | |
| Residential-Type Central | | | | | | | | | | | | |
| Air Conditioners | 17.9 | 13.6 | 24.3 | 25.8 | 23.7 | 9.5 | 18.5 | 20.6 | 28.2 | 9.6 | 17.7 | 21.5 |
| Heat Pumps | 31.5 | 23.5 | 32.4 | 49.0 | 25.8 | 26.9 | 19.6 | 17.3 | 22.8 | 12.5 | 25.1 | 42.3 |
| Packaged Heat Pumps | 32.3 | 28.2 | 51.9 | 64.4 | 30.5 | 32.0 | 31.0 | 33.4 | 20.9 | 14.7 | 44.1 | 55.2 |
| Split-System Heat Pumps | 40.5 | 40.9 | 27.9 | 41.3 | 40.4 | 31.0 | 29.8 | 34.4 | 39.2 | 32.1 | 26.5 | 31.7 |
| Individual Room Heat Pumps | 44.2 | 39.2 | 26.8 | 20.9 | 30.2 | 44.6 | 24.0 | 25.5 | 37.1 | 16.7 | 18.3 | 28.0 |
| Individual Air Conditioners | 18.6 | 11.5 | 34.2 | 22.0 | 20.3 | 13.7 | 17.8 | 16.5 | 21.3 | 7.1 | 27.6 | 10.3 |
| District Chilled Water | 49.4 | 56.1 | 39.0 | 41.1 | 33.0 | 64.0 | 37.3 | 38.5 | 34.0 | 60.7 | 33.0 | 37.3 |
| Central Chillers | 24.1 | 17.2 | 16.3 | 32.0 | 20.4 | 11.6 | 20.4 | 24.3 | 14.8 | 12.0 | 11.3 | 26.2 |
| Packaged Air Conditioning | | | | | | | | | | | | |
| Units | 13.8 | 6.7 | 15.7 | 12.8 | 14.3 | 8.2 | 12.3 | 9.0 | 14.7 | 7.0 | 9.3 | 11.1 |
| Swamp Coolers | 100.1 | 101.3 | 45.8 | 20.6 | 100.1 | 101.3 | 44.8 | 19.1 | 0.0 | . | 60.0 | 18.5 |
| Other | 43.8 | 43.6 | 91.6 | 54.4 | 33.5 | 42.4 | 67.1 | 59.2 | 46.7 | 13.9 | 76.1 | 13.2 |
| Main Equipment Replaced Since 1990 (more than one may apply) | | | | | | | | | | | | |
| Heating | 13.3 | 13.8 | 16.2 | 29.5 | 16.7 | 9.8 | 12.8 | 16.3 | 15.0 | 11.6 | 17.6 | 21.4 |
| Cooling | 16.0 | 11.9 | 14.6 | 23.8 | 16.2 | 10.8 | 11.7 | 10.4 | 11.9 | 7.9 | 15.4 | 16.0 |
| Water Heating Equipment | | | | | | | | | | | | |
| Centralized System | 10.2 | 7.7 | 11.6 | 19.0 | 11.3 | 5.9 | 12.9 | 11.0 | 11.6 | 7.0 | 8.1 | 12.1 |
| Distributed System | 31.0 | 24.9 | 20.9 | 19.4 | 31.0 | 19.9 | 14.6 | 20.9 | 39.0 | 17.5 | 15.6 | 21.2 |
| Combination of Centralized and Distributed System | 26.1 | 18.7 | 29.1 | 23.4 | 23.6 | 13.1 | 9.7 | 16.3 | 17.0 | 13.2 | 23.9 | 18.2 |
| Energy-Related Space Functions (more than one may apply) | | | | | | | | | | | | |
| Commercial Food Preparation | 17.5 | 9.3 | 15.0 | 20.9 | 22.6 | 9.2 | 13.2 | 15.6 | 23.8 | 7.5 | 12.0 | 12.6 |
| Activities with Large Amounts of Hot Water | 14.7 | 12.7 | 15.8 | 17.7 | 28.1 | 10.9 | 12.3 | 13.0 | 37.4 | 10.4 | 12.1 | 12.3 |
| Separate Computer Area | 16.9 | 9.6 | 13.2 | 19.6 | 9.9 | 9.9 | 14.8 | 11.9 | 12.2 | 7.3 | 8.1 | 11.4 |
| HVAC Conservation Features (more than one may apply) | | | | | | | | | | | | |
| Variable Air-Volume System | 21.7 | 12.1 | 16.4 | 23.6 | 14.3 | 10.1 | 16.9 | 14.4 | 15.7 | 7.7 | 13.1 | 13.9 |
| Economizer Cycle | 17.2 | 9.4 | 13.0 | 16.6 | 16.6 | 7.8 | 15.9 | 10.5 | 12.7 | 6.9 | 8.2 | 14.8 |
| HVAC Maintenance | 12.3 | 6.3 | 13.7 | 13.5 | 11.6 | 6.2 | 10.8 | 8.0 | 11.5 | 6.2 | 9.2 | 9.1 |
| Energy Management and Control System (EMCS) | 8.2 | 15.6 | 13.7 | 28.8 | 7.8 | 11.6 | 16.0 | 14.8 | 6.6 | 11.2 | 11.0 | 20.1 |
| Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^a | | | | | | | | | | | | |
| Heating | 11.0 | 9.7 | 10.9 | 14.0 | 10.6 | 8.0 | 10.9 | 8.3 | 12.4 | 7.1 | 7.2 | 9.4 |
| Cooling | 11.4 | 9.9 | 10.7 | 13.3 | 11.7 | 7.9 | 11.3 | 7.7 | 11.5 | 7.1 | 7.0 | 8.6 |
| Lighting | 6.3 | 7.7 | 11.9 | 17.0 | 9.8 | 6.1 | 9.5 | 8.1 | 9.3 | 6.7 | 9.7 | 12.8 |
| Office Equipment | 14.7 | 13.1 | 15.0 | 19.3 | 12.4 | 9.8 | 14.3 | 13.5 | 18.5 | 11.3 | 13.2 | 13.8 |

RSEs for Table C25. Natural Gas Consumption and Conditional Energy Intensity by Census Region for Non-Mall Buildings, 2003

| | RSEs for Total Natural Gas Consumption | | | | RSEs for Total Floorspace of Buildings Using Natural Gas | | | | RSEs for Natural Gas Energy Intensity | | | |
|--|--|--------------|-------|------|--|--------------|-------|------|---|--------------|-------|------|
| | North- east | Mid- west | South | West | North- east | Mid- west | South | West | North- east | Mid- west | South | West |
| All Buildings* | 10.0 | 6.9 | 12.5 | 14.5 | 10.1 | 6.3 | 10.0 | 8.1 | 10.2 | 6.1 | 8.1 | 8.6 |
| Annual Consumption (hundred cubic feet) | | | | | | | | | | | | |
| 1,000 or Less | 12.0 | 13.1 | 16.8 | 19.5 | 48.0 | 14.3 | 18.2 | 29.9 | 74.7 | 12.8 | 12.9 | 18.5 |
| 1,001 to 5,000 | 9.9 | 14.9 | 14.8 | 15.7 | 16.2 | 17.1 | 13.9 | 14.0 | 10.4 | 6.4 | 8.2 | 14.3 |
| 5,001 to 10,000 | 14.3 | 13.9 | 14.1 | 19.2 | 21.5 | 13.0 | 17.0 | 12.7 | 20.4 | 8.7 | 12.2 | 11.6 |
| 10,001 to 25,000 | 15.9 | 11.1 | 15.3 | 33.8 | 15.6 | 11.6 | 11.6 | 28.2 | 13.5 | 8.3 | 10.0 | 24.6 |
| 25,001 to 50,000 | 14.6 | 15.0 | 21.3 | 24.9 | 33.8 | 11.4 | 14.6 | 15.2 | 45.1 | 9.0 | 16.5 | 25.9 |
| 50,001 to 100,000 | 28.4 | 25.8 | 39.9 | 33.1 | 23.6 | 17.6 | 34.8 | 28.2 | 20.2 | 17.9 | 37.4 | 22.3 |
| Over 100,000 | 24.6 | 14.4 | 23.8 | 33.0 | 19.7 | 14.3 | 24.4 | 32.5 | 10.4 | 9.0 | 14.6 | 19.7 |
| Provider of Natural Gas (more than one may apply) | | | | | | | | | | | | |
| Local Utility | 8.4 | 7.9 | 13.6 | 16.0 | 10.6 | 6.8 | 10.0 | 8.8 | 11.1 | 6.7 | 9.4 | 9.7 |
| Some Other Provider | 24.4 | 17.3 | 27.5 | 19.9 | 19.3 | 19.6 | 37.1 | 20.9 | 23.3 | 11.4 | 22.8 | 8.9 |

X=No cases in the responding sample reported their consumption for the particular fuel, so relative standard error could not be calculated.

RSEs for Table C26. Natural Gas Expenditures by Census Region for Non-Mall Buildings, 2003

| | RSEs for Total Natural Gas Expenditures | | | | RSEs for Natural Gas Expenditures | | | | | | | |
|--|---|----------|-------|------|-----------------------------------|----------|-------|------|-----------------|----------|-------|------|
| | | | | | per Thousand Cubic Feet | | | | per Square Foot | | | |
| | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west | South | West |
| All Buildings* | 10.8 | 5.9 | 9.8 | 15.9 | 2.7 | 3.8 | 6.9 | 5.5 | 10.7 | 5.7 | 8.5 | 10.3 |
| Building Floorspace (Square Feet) | | | | | | | | | | | | |
| 1,001 to 5,000 | 14.8 | 10.1 | 19.0 | 29.4 | 9.5 | 4.2 | 6.1 | 3.4 | 7.4 | 6.5 | 12.4 | 24.7 |
| 5,001 to 10,000 | 17.0 | 18.2 | 15.8 | 42.2 | 7.1 | 6.8 | 11.5 | 2.8 | 10.8 | 14.4 | 15.8 | 25.5 |
| 10,001 to 25,000 | 9.4 | 16.6 | 27.0 | 17.3 | 6.8 | 4.8 | 5.5 | 3.8 | 14.5 | 16.6 | 24.6 | 10.7 |
| 25,001 to 50,000 | 16.2 | 15.8 | 14.7 | 17.4 | 4.6 | 10.1 | 2.3 | 8.2 | 13.0 | 9.3 | 12.5 | 11.8 |
| 50,001 to 100,000 | 21.1 | 18.8 | 12.1 | 30.2 | 6.9 | 3.9 | 5.0 | 4.8 | 20.0 | 13.7 | 9.9 | 19.6 |
| 100,001 to 200,000 | 21.4 | 24.9 | 26.5 | 17.7 | 6.4 | 8.8 | 61.1 | 10.7 | 33.9 | 11.9 | 33.6 | 27.1 |
| 200,001 to 500,000 | 25.0 | 26.9 | 25.8 | 21.3 | 10.7 | 6.9 | 8.4 | 6.6 | 42.3 | 18.1 | 21.5 | 26.0 |
| Over 500,000 | 53.1 | 27.9 | 29.5 | 59.7 | 16.0 | 15.5 | 7.2 | 19.0 | 46.7 | 25.7 | 25.3 | 50.9 |
| Principal Building Activity | | | | | | | | | | | | |
| Education | 30.3 | 13.1 | 14.8 | 22.9 | 7.2 | 3.3 | 4.1 | 8.5 | 17.5 | 7.2 | 13.7 | 22.5 |
| Food Sales | 42.0 | 34.7 | 43.7 | 44.9 | 8.1 | 7.6 | 8.7 | 19.1 | 40.3 | 21.6 | 20.3 | 38.6 |
| Food Service | 18.1 | 16.7 | 21.3 | 29.0 | 2.6 | 7.8 | 9.2 | 2.9 | 22.9 | 14.1 | 16.1 | 22.9 |
| Health Care | 27.6 | 24.0 | 18.3 | 25.7 | 7.1 | 10.3 | 32.6 | 9.1 | 16.8 | 15.6 | 25.8 | 14.0 |
| Inpatient | 33.9 | 22.6 | 19.8 | 29.4 | 7.8 | 13.0 | 37.2 | 13.5 | 17.2 | 19.9 | 34.1 | 20.4 |
| Outpatient | 33.8 | 43.8 | 52.1 | 34.4 | 7.0 | 3.9 | 22.8 | 4.6 | 12.9 | 21.6 | 22.3 | 18.0 |
| Lodging | 33.0 | 17.3 | 18.0 | 51.0 | 18.8 | 11.2 | 5.0 | 11.5 | 80.9 | 10.4 | 12.9 | 41.1 |
| Retail (Other Than Mall)..... | 23.8 | 29.6 | 18.8 | 14.3 | 11.5 | 4.4 | 12.3 | 4.7 | 15.5 | 15.9 | 9.9 | 17.9 |
| Office | 28.8 | 24.2 | 19.9 | 18.9 | 3.5 | 4.1 | 6.6 | 2.6 | 25.7 | 13.1 | 16.6 | 19.1 |
| Public Assembly | 27.7 | 19.9 | 30.5 | 28.9 | 8.6 | 14.7 | 6.4 | 5.4 | 87.4 | 8.0 | 15.8 | 26.1 |
| Public Order and Safety | 42.5 | 45.3 | 58.4 | 51.4 | 27.5 | 29.7 | 17.9 | 6.5 | 28.9 | 18.6 | 57.6 | 8.9 |
| Religious Worship | 18.7 | 17.2 | 27.4 | 17.3 | 4.8 | 6.3 | 8.8 | 3.7 | 16.5 | 7.5 | 12.0 | 13.5 |
| Service | 15.5 | 31.9 | 36.7 | 39.7 | 16.2 | 6.1 | 10.6 | 6.3 | 32.5 | 21.5 | 32.4 | 27.8 |
| Warehouse and Storage | 19.2 | 20.6 | 32.2 | 56.8 | 10.3 | 21.5 | 10.7 | 13.5 | 14.9 | 8.6 | 20.2 | 46.1 |
| Other | 40.7 | 48.2 | 80.8 | 58.9 | 14.2 | 4.8 | 8.6 | 11.6 | 22.5 | 32.7 | 130.9 | 30.8 |
| Vacant | 65.7 | 32.1 | 83.7 | 55.3 | 10.5 | 6.2 | 5.9 | 11.9 | 43.7 | 27.8 | 46.7 | 42.8 |
| Year Constructed | | | | | | | | | | | | |
| Before 1920 | 24.1 | 21.8 | 48.9 | 43.7 | 5.3 | 3.5 | 5.4 | 13.6 | 20.7 | 7.9 | 15.4 | 19.6 |
| 1920 to 1945 | 31.8 | 18.5 | 22.5 | 40.3 | 8.3 | 13.3 | 11.5 | 5.9 | 34.7 | 14.0 | 10.6 | 36.2 |
| 1946 to 1959 | 15.9 | 14.5 | 15.1 | 28.6 | 12.0 | 8.1 | 83.3 | 6.9 | 34.8 | 13.0 | 30.6 | 11.5 |
| 1960 to 1969 | 22.7 | 16.2 | 16.9 | 18.0 | 6.3 | 6.3 | 5.4 | 7.1 | 17.7 | 17.6 | 12.5 | 13.7 |
| 1970 to 1979 | 20.9 | 15.2 | 15.0 | 24.2 | 8.8 | 3.8 | 6.7 | 3.1 | 20.8 | 10.9 | 13.0 | 17.1 |
| 1980 to 1989 | 26.3 | 30.1 | 26.9 | 36.7 | 5.8 | 7.8 | 3.6 | 11.4 | 22.4 | 18.7 | 25.1 | 28.9 |
| 1990 to 1999 | 23.7 | 14.7 | 14.9 | 24.1 | 14.0 | 5.2 | 6.0 | 5.1 | 17.8 | 8.7 | 13.5 | 17.7 |
| 2000 to 2003 | 42.7 | 27.1 | 27.3 | 32.5 | 5.7 | 10.7 | 5.7 | 6.3 | 19.6 | 14.6 | 17.8 | 23.7 |
| Climate Zone: 30-Year Average | | | | | | | | | | | | |
| Under 2,000 CDD and -- | | | | | | | | | | | | |
| More than 7,000 HDD | 72.5 | 9.8 | 0.0 | 28.7 | 19.1 | 6.0 | 0.0 | 5.6 | 3.8 | 2.9 | 0.0 | 10.8 |
| 5,500-7,000 HDD | 16.0 | 6.4 | 0.0 | 40.0 | 4.0 | 3.9 | 0.0 | 19.8 | 12.4 | 10.2 | 0.0 | 24.2 |
| 4,000-5,499 HDD | 32.4 | 32.3 | 35.8 | 32.1 | 4.3 | 34.7 | 5.4 | 2.7 | 20.1 | 15.2 | 23.9 | 7.7 |
| Fewer than 4,000 HDD | 0.0 | 0.0 | 21.7 | 20.2 | 0.0 | 0.0 | 14.3 | 2.2 | 0.0 | 0.0 | 9.9 | 17.0 |
| 2,000 CDD or More and -- | | | | | | | | | | | | |
| Fewer than 4,000 HDD | 0.0 | 0.0 | 24.8 | 41.3 | 0.0 | 0.0 | 4.5 | 11.7 | 0.0 | 0.0 | 14.2 | 25.6 |
| Number of Floors | | | | | | | | | | | | |
| One | 12.4 | 11.3 | 15.2 | 20.7 | 6.0 | 3.9 | 3.7 | 3.8 | 14.3 | 9.4 | 8.3 | 17.6 |
| Two | 12.3 | 8.6 | 20.8 | 16.3 | 7.6 | 6.5 | 4.2 | 3.6 | 23.7 | 9.4 | 20.5 | 10.1 |
| Three | 16.6 | 13.3 | 15.5 | 16.9 | 3.6 | 7.5 | 68.1 | 9.5 | 15.9 | 10.3 | 21.0 | 16.4 |
| Four to Nine | 18.6 | 14.6 | 23.5 | 35.9 | 5.4 | 4.9 | 6.8 | 9.7 | 22.3 | 8.7 | 11.7 | 27.1 |
| Ten or More | 48.7 | 34.3 | 31.2 | 70.4 | 9.9 | 14.0 | 6.9 | 19.4 | 41.6 | 28.5 | 18.2 | 75.5 |

RSEs for Table C26. Natural Gas Expenditures by Census Region for Non-Mall Buildings, 2003

| | RSEs for Total Natural Gas Expenditures | | | | RSEs for Natural Gas Expenditures | | | | | | | |
|---|---|----------|-------|------|-----------------------------------|----------|-------|------|-----------------|----------|-------|------|
| | | | | | per Thousand Cubic Feet | | | | per Square Foot | | | |
| | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west | South | West |
| All Buildings* | 10.8 | 5.9 | 9.8 | 15.9 | 2.7 | 3.8 | 6.9 | 5.5 | 10.7 | 5.7 | 8.5 | 10.3 |
| Number of Workers (main shift) | | | | | | | | | | | | |
| Fewer than 5 | 14.4 | 11.8 | 19.4 | 30.3 | 9.0 | 7.2 | 6.7 | 3.6 | 10.4 | 10.1 | 10.8 | 28.7 |
| 5 to 9 | 17.0 | 15.1 | 20.3 | 32.8 | 8.9 | 6.1 | 5.8 | 3.3 | 20.6 | 17.1 | 15.9 | 25.7 |
| 10 to 19 | 17.9 | 14.5 | 18.7 | 19.7 | 9.2 | 4.1 | 5.5 | 5.0 | 45.1 | 12.2 | 15.8 | 15.0 |
| 20 to 49 | 20.4 | 16.6 | 24.7 | 23.4 | 5.6 | 9.7 | 8.2 | 5.4 | 30.2 | 14.8 | 23.0 | 10.6 |
| 50 to 99 | 25.5 | 12.4 | 22.9 | 23.2 | 11.2 | 7.8 | 5.4 | 7.7 | 19.9 | 8.0 | 16.3 | 15.0 |
| 100 to 249 | 22.5 | 24.6 | 26.6 | 16.5 | 9.5 | 5.6 | 47.3 | 7.5 | 25.6 | 14.8 | 20.9 | 20.5 |
| 250 or More | 31.8 | 20.6 | 20.7 | 45.2 | 7.8 | 8.6 | 5.4 | 17.4 | 25.2 | 18.0 | 19.2 | 35.8 |
| Weekly Operating Hours | | | | | | | | | | | | |
| Fewer than 40 | 35.5 | 12.6 | 18.3 | 47.9 | 2.7 | 4.1 | 11.4 | 2.8 | 19.5 | 14.9 | 12.4 | 30.0 |
| 40 to 48 | 21.7 | 17.2 | 15.8 | 20.5 | 4.2 | 4.8 | 8.2 | 6.6 | 40.1 | 14.9 | 13.8 | 9.8 |
| 49 to 60 | 13.3 | 12.9 | 28.6 | 17.0 | 4.9 | 8.4 | 2.6 | 4.8 | 10.4 | 8.9 | 25.7 | 8.3 |
| 61 to 84 | 16.6 | 14.6 | 18.4 | 29.5 | 5.5 | 6.5 | 5.6 | 7.1 | 15.3 | 7.1 | 15.9 | 27.7 |
| 85 to 167 | 28.8 | 12.5 | 18.6 | 16.6 | 9.4 | 5.2 | 10.4 | 4.3 | 22.6 | 10.1 | 24.3 | 14.8 |
| Open Continuously | 25.0 | 15.8 | 13.8 | 31.3 | 6.8 | 9.3 | 15.7 | 11.2 | 19.7 | 12.3 | 11.6 | 22.2 |
| Ownership and Occupancy | | | | | | | | | | | | |
| Nongovernment Owned | 13.4 | 7.1 | 10.9 | 19.7 | 2.8 | 4.2 | 9.1 | 5.2 | 12.4 | 6.9 | 11.2 | 12.7 |
| Owner Occupied | 18.7 | 7.9 | 11.8 | 19.4 | 5.2 | 6.3 | 23.9 | 4.8 | 17.6 | 7.1 | 10.6 | 7.6 |
| Nonowner Occupied | 12.0 | 11.3 | 15.5 | 25.4 | 3.9 | 4.1 | 3.6 | 5.9 | 11.6 | 11.6 | 14.6 | 17.7 |
| Unoccupied | 64.1 | 33.6 | 91.6 | 99.8 | 40.0 | 5.4 | 3.9 | 0.9 | 43.6 | 33.3 | 45.7 | 50.9 |
| Government Owned | 23.5 | 6.6 | 14.1 | 23.0 | 7.8 | 5.4 | 4.5 | 5.2 | 18.2 | 5.1 | 11.6 | 17.7 |
| Federal | 66.0 | 50.9 | 23.9 | 52.7 | 61.2 | 35.3 | 32.8 | 12.5 | 59.4 | 50.0 | 64.4 | 27.5 |
| State | 53.0 | 41.0 | 29.9 | 49.4 | 5.7 | 15.1 | 3.2 | 4.4 | 28.9 | 27.1 | 11.9 | 36.8 |
| Local | 27.9 | 10.2 | 17.5 | 23.3 | 6.9 | 3.8 | 5.8 | 6.2 | 20.5 | 5.4 | 16.1 | 17.6 |
| Vacancy Status | | | | | | | | | | | | |
| Completely Vacant | 60.7 | 33.6 | 91.6 | 99.8 | 19.5 | 6.9 | 3.9 | 0.9 | 51.1 | 31.3 | 47.7 | 50.9 |
| Mostly Vacant | 93.6 | 86.3 | 101.3 | 65.5 | 0.4 | 0.1 | 0.0 | 12.3 | 70.2 | 4.5 | 0.0 | 55.4 |
| Partially Vacant | 27.9 | 21.0 | 24.3 | 26.5 | 4.7 | 6.7 | 7.3 | 7.9 | 25.2 | 14.1 | 17.7 | 20.8 |
| Not At All Vacant | 8.6 | 6.2 | 10.9 | 18.2 | 2.4 | 3.9 | 8.1 | 6.0 | 14.1 | 4.9 | 9.1 | 12.0 |
| Number of Establishments | | | | | | | | | | | | |
| One | 10.8 | 6.9 | 11.2 | 16.7 | 2.6 | 4.5 | 8.9 | 5.9 | 17.7 | 5.5 | 9.7 | 12.2 |
| 2 to 5 | 20.3 | 20.8 | 19.4 | 27.7 | 8.7 | 5.0 | 5.1 | 5.5 | 13.2 | 16.9 | 13.5 | 15.2 |
| 6 to 10 | 42.3 | 25.2 | 83.5 | 21.8 | 19.1 | 12.2 | 7.3 | 9.2 | 26.8 | 17.8 | 51.5 | 14.0 |
| 11 to 20 | 35.2 | 50.1 | 56.9 | 43.5 | 4.7 | 22.5 | 10.8 | 25.2 | 25.4 | 44.7 | 44.1 | 30.2 |
| More than 20 | 82.1 | 45.4 | 40.3 | 52.4 | 29.4 | 39.5 | 17.9 | 1.2 | 77.3 | 33.5 | 26.5 | 15.8 |
| Currently Unoccupied | 60.7 | 33.6 | 91.6 | 99.8 | 19.5 | 6.9 | 3.9 | 0.9 | 51.1 | 31.3 | 47.7 | 50.9 |
| Predominant Exterior Wall Material | | | | | | | | | | | | |
| Brick, Stone or Stucco | 15.5 | 9.2 | 8.0 | 14.9 | 3.8 | 2.4 | 4.0 | 5.1 | 16.5 | 5.2 | 8.3 | 11.0 |
| Concrete (Block or Poured) | 18.8 | 21.7 | 33.4 | 24.6 | 5.7 | 10.8 | 28.3 | 6.0 | 18.6 | 10.5 | 29.9 | 14.5 |
| Concrete Panels | 28.4 | 31.6 | 29.9 | 55.8 | 9.5 | 13.5 | 7.6 | 16.7 | 25.2 | 26.6 | 21.8 | 41.5 |
| Siding or Shingles | 25.2 | 14.5 | 25.9 | 23.2 | 7.8 | 3.1 | 5.5 | 10.6 | 16.7 | 17.8 | 28.8 | 23.8 |
| Metal Panels | 45.1 | 19.3 | 30.6 | 46.9 | 5.5 | 5.1 | 9.7 | 7.9 | 26.0 | 10.8 | 28.1 | 23.4 |
| Window Glass | 67.1 | 50.3 | 34.5 | 56.5 | 20.2 | 26.7 | 24.8 | 3.6 | 69.9 | 43.2 | 28.9 | 19.9 |
| Other | 47.6 | 44.3 | 51.5 | 47.1 | 116.9 | 23.8 | 10.4 | 34.7 | 56.3 | 43.2 | 26.3 | 52.0 |
| No One Major Type | 65.0 | 52.7 | 100.2 | 63.0 | 2.8 | 5.5 | 0.0 | 3.5 | 19.5 | 31.5 | . | 53.6 |

RSEs for Table C26. Natural Gas Expenditures by Census Region for Non-Mall Buildings, 2003

| | RSEs for Total Natural Gas Expenditures | | | | RSEs for Natural Gas Expenditures | | | | | | | |
|---|---|----------|-------|------|-----------------------------------|----------|-------|------|-----------------|----------|-------|------|
| | | | | | per Thousand Cubic Feet | | | | per Square Foot | | | |
| | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west | South | West |
| All Buildings* | 10.8 | 5.9 | 9.8 | 15.9 | 2.7 | 3.8 | 6.9 | 5.5 | 10.7 | 5.7 | 8.5 | 10.3 |
| Predominant Roof Material | | | | | | | | | | | | |
| Built-Up | 8.1 | 10.0 | 18.0 | 25.0 | 5.6 | 6.5 | 14.9 | 7.5 | 12.2 | 10.1 | 17.9 | 21.7 |
| Shingles (Not Wood) | 35.4 | 13.8 | 14.6 | 16.2 | 2.2 | 5.8 | 3.3 | 5.3 | 29.4 | 11.4 | 10.6 | 15.2 |
| Metal Surfacing | 36.5 | 13.5 | 20.8 | 32.9 | 8.6 | 8.4 | 5.6 | 5.5 | 12.9 | 11.4 | 14.8 | 16.7 |
| Synthetic or Rubber | 13.7 | 12.3 | 13.3 | 27.1 | 4.8 | 5.6 | 5.1 | 7.6 | 7.8 | 9.1 | 11.0 | 24.5 |
| Slate or Tile | 23.9 | 30.4 | 29.7 | 32.0 | 4.4 | 4.4 | 11.8 | 4.8 | 47.0 | 15.8 | 23.0 | 10.6 |
| Wooden Materials | 95.9 | 37.7 | 41.1 | 42.3 | 0.0 | 20.5 | 4.8 | 6.2 | 0.0 | 39.2 | 102.3 | 19.3 |
| Concrete | 64.3 | 59.0 | 56.5 | 80.5 | 74.5 | 7.9 | 45.3 | 2.7 | 2270.7 | 41.9 | 67.1 | 64.3 |
| Other | 100.1 | 76.6 | 103.4 | 47.6 | 0.0 | 21.5 | 0.0 | 23.3 | 0.5 | 69.8 | 0.0 | 70.8 |
| No One Major Type | 55.7 | 52.6 | 83.8 | 73.6 | 9.6 | 42.6 | 6.5 | 47.2 | 31.8 | 14.7 | 30.7 | 72.3 |
| Renovations in Buildings Constructed Before 1980 (more than one may apply) | | | | | | | | | | | | |
| Any Type of Renovation | | | | | | | | | | | | |
| Since 1980 | 11.5 | 11.3 | 11.7 | 15.5 | 5.5 | 5.1 | 22.4 | 6.0 | 12.3 | 4.6 | 12.1 | 8.3 |
| Addition or Annex | 27.4 | 15.2 | 20.8 | 18.1 | 10.1 | 11.0 | 41.1 | 6.5 | 43.5 | 5.2 | 23.7 | 12.4 |
| Reduction In Floorspace | 45.4 | 51.2 | 54.9 | 75.1 | 30.1 | 26.0 | 82.4 | 6.6 | 26.8 | 23.0 | 88.2 | 20.0 |
| Cosmetic Improvements | 14.7 | 11.1 | 13.1 | 16.1 | 7.4 | 4.1 | 3.1 | 7.3 | 13.6 | 3.8 | 9.5 | 8.8 |
| Wall or Roof Replacement | 21.1 | 16.2 | 19.4 | 30.4 | 5.7 | 5.9 | 6.3 | 6.0 | 21.4 | 8.8 | 10.5 | 22.0 |
| Interior Wall | | | | | | | | | | | | |
| Re-Configuration | 17.2 | 14.6 | 19.1 | 19.5 | 4.9 | 4.8 | 5.9 | 7.2 | 17.9 | 8.8 | 13.7 | 11.3 |
| HVAC Equipment Upgrade | 12.9 | 11.5 | 14.7 | 18.2 | 4.9 | 7.5 | 32.8 | 7.7 | 13.0 | 5.9 | 17.2 | 10.7 |
| Lighting Upgrade | 15.2 | 11.9 | 14.2 | 17.3 | 4.6 | 4.8 | 5.6 | 7.0 | 15.7 | 4.6 | 11.0 | 10.1 |
| Window Replacement | 19.9 | 15.9 | 22.5 | 33.0 | 10.2 | 4.2 | 4.6 | 11.0 | 21.8 | 10.1 | 17.8 | 15.3 |
| Plumbing System Upgrade | 22.6 | 14.2 | 19.7 | 26.2 | 6.7 | 4.0 | 7.9 | 5.4 | 26.2 | 7.2 | 11.9 | 16.3 |
| Insulation Upgrade | 24.6 | 11.9 | 26.3 | 26.0 | 6.1 | 7.4 | 6.2 | 11.3 | 17.6 | 7.4 | 21.8 | 28.5 |
| Other Renovation | 49.3 | 43.1 | 72.2 | 99.2 | 2.1 | 6.5 | 34.9 | 0.0 | 53.8 | 17.9 | 42.0 | 0.0 |
| No Renovations Since 1980 | 23.5 | 13.3 | 17.3 | 20.8 | 5.5 | 3.9 | 4.3 | 3.7 | 22.3 | 9.1 | 8.1 | 14.4 |
| Building Newer than 1980 | 18.5 | 14.8 | 13.8 | 26.5 | 4.4 | 4.9 | 3.6 | 7.6 | 15.8 | 10.7 | 11.9 | 18.5 |
| Energy Sources (more than one may apply) | | | | | | | | | | | | |
| Electricity | 11.7 | 6.3 | 10.0 | 18.0 | 3.4 | 4.1 | 2.7 | 5.8 | 11.7 | 5.5 | 8.3 | 11.2 |
| Natural Gas | 10.8 | 5.9 | 9.8 | 15.9 | 2.7 | 3.8 | 6.9 | 5.5 | 10.7 | 5.7 | 8.5 | 10.3 |
| Fuel Oil | 20.6 | 23.4 | 18.9 | 44.1 | 6.2 | 4.9 | 25.4 | 17.2 | 11.3 | 14.8 | 18.7 | 36.4 |
| District Heat | 50.0 | 53.3 | 49.2 | 61.0 | 5.1 | 24.3 | 7.0 | 34.4 | 36.7 | 42.5 | 39.8 | 64.0 |
| District Chilled Water | 49.3 | 53.4 | 40.4 | 49.6 | 6.7 | 6.9 | 4.4 | 22.7 | 34.3 | 58.1 | 33.5 | 43.5 |
| Propane | 59.3 | 28.2 | 37.2 | 51.2 | 18.5 | 7.6 | 184.9 | 12.5 | 9.8 | 17.9 | 56.3 | 29.0 |
| Other | 46.9 | 43.3 | 32.5 | 77.2 | 21.4 | 12.7 | 8.6 | 24.2 | 19.0 | 23.9 | 28.0 | 12.1 |
| Space-Heating Energy Sources | | | | | | | | | | | | |
| Natural Gas | 11.0 | 5.9 | 10.4 | 17.5 | 2.9 | 3.9 | 7.1 | 6.1 | 10.5 | 6.1 | 9.0 | 10.9 |
| Natural Gas Main | 11.0 | 6.2 | 11.2 | 17.6 | 2.9 | 3.8 | 7.7 | 6.3 | 10.5 | 6.8 | 10.0 | 11.8 |
| Natural Gas Secondary | 28.3 | 18.3 | 28.2 | 26.1 | 6.1 | 11.6 | 7.6 | 6.7 | 21.2 | 17.0 | 16.4 | 16.1 |
| Other Excluding Natural Gas | 22.6 | 37.3 | 22.3 | 16.0 | 17.3 | 8.2 | 6.0 | 7.8 | 81.3 | 27.7 | 22.0 | 19.7 |
| Buildings without Heating | 100.1 | 92.6 | 59.9 | 79.5 | 0.0 | 1.6 | 11.8 | 32.5 | 0.0 | 10.3 | 55.5 | 87.7 |
| Primary Space-Heating Energy Source | | | | | | | | | | | | |
| Electricity | 25.0 | 19.7 | 17.8 | 16.7 | 3.6 | 9.1 | 4.9 | 4.8 | 12.8 | 15.1 | 12.8 | 9.2 |
| Natural Gas | 11.0 | 6.2 | 11.2 | 17.6 | 2.9 | 3.8 | 7.7 | 6.3 | 10.5 | 6.8 | 10.0 | 11.8 |
| Fuel Oil | 26.7 | 94.1 | 100.5 | X | 20.2 | 14.0 | 100.5 | X | 113.6 | 67.1 | 100.2 | X |
| District Heat | 50.1 | 51.9 | 65.0 | 61.0 | 6.2 | 67.9 | 8.6 | 34.4 | 44.8 | 40.3 | 49.9 | 64.0 |
| Propane | 0.0 | 0.0 | X | 0.0 | 0.0 | 0.0 | X | 0.0 | 0.0 | 0.0 | X | 0.0 |
| Other | 100.1 | 82.8 | 100.8 | X | 110.3 | 14.2 | 0.0 | X | 109.2 | 39.4 | 0.0 | X |

RSEs for Table C26. Natural Gas Expenditures by Census Region for Non-Mall Buildings, 2003

| | RSEs for Total Natural Gas Expenditures | | | | RSEs for Natural Gas Expenditures | | | | | | | |
|--|---|----------|-------|------|-----------------------------------|----------|-------|------|-----------------|----------|-------|------|
| | | | | | per Thousand Cubic Feet | | | | per Square Foot | | | |
| | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west | South | West |
| All Buildings* | 10.8 | 5.9 | 9.8 | 15.9 | 2.7 | 3.8 | 6.9 | 5.5 | 10.7 | 5.7 | 8.5 | 10.3 |
| Cooling Energy Sources | | | | | | | | | | | | |
| Natural Gas | 53.4 | 37.5 | 42.1 | 34.7 | 10.9 | 17.7 | 12.4 | 14.5 | 39.5 | 20.3 | 48.6 | 76.3 |
| Other Excluding Natural Gas | 8.7 | 6.7 | 9.8 | 17.1 | 3.0 | 4.4 | 7.6 | 5.6 | 8.5 | 5.1 | 9.0 | 11.5 |
| Buildings without Cooling | 24.2 | 23.0 | 35.4 | 20.5 | 14.4 | 5.1 | 12.8 | 10.0 | 19.1 | 18.1 | 20.3 | 19.8 |
| Water-Heating Energy Sources | | | | | | | | | | | | |
| Natural Gas | 12.4 | 7.9 | 11.0 | 16.2 | 3.8 | 4.2 | 9.4 | 6.5 | 11.7 | 5.8 | 9.3 | 10.6 |
| Other Excluding Natural Gas | 18.0 | 17.6 | 13.4 | 31.9 | 6.1 | 6.0 | 5.6 | 2.8 | 13.8 | 12.2 | 12.3 | 18.6 |
| Bldgs without Water Heating | 26.0 | 27.8 | 26.6 | 34.8 | 8.7 | 13.3 | 19.0 | 8.3 | 15.3 | 25.7 | 20.2 | 29.6 |
| Cooking Energy Sources | | | | | | | | | | | | |
| Natural Gas | 22.2 | 9.4 | 13.4 | 24.6 | 5.1 | 3.6 | 12.7 | 10.2 | 31.9 | 6.7 | 11.3 | 19.3 |
| Other Excluding Natural Gas | 33.7 | 16.1 | 22.0 | 33.7 | 6.7 | 2.1 | 8.4 | 7.2 | 23.1 | 13.1 | 12.3 | 20.1 |
| Buildings without Cooking | 12.1 | 8.6 | 15.5 | 16.6 | 3.8 | 5.4 | 3.0 | 2.8 | 9.4 | 7.9 | 11.3 | 13.7 |
| Energy End Uses (more than one may apply) | | | | | | | | | | | | |
| Buildings with Space Heating | 10.9 | 5.8 | 9.8 | 16.1 | 2.7 | 3.8 | 7.0 | 5.7 | 11.0 | 5.7 | 8.5 | 10.5 |
| Buildings with Cooling | 11.9 | 7.0 | 9.8 | 16.8 | 3.2 | 4.1 | 7.1 | 5.6 | 10.6 | 5.3 | 8.6 | 10.8 |
| Buildings with Water Heating | 11.1 | 5.8 | 9.6 | 16.4 | 2.7 | 3.8 | 7.3 | 5.6 | 11.0 | 5.4 | 8.7 | 10.3 |
| Buildings with Cooking | 19.2 | 8.6 | 12.6 | 24.4 | 5.2 | 3.2 | 11.7 | 9.3 | 25.3 | 7.1 | 11.9 | 17.9 |
| Buildings with Manufacturing | 31.0 | 31.1 | 42.0 | 50.2 | 5.8 | 45.2 | 17.6 | 18.6 | 13.2 | 17.4 | 39.7 | 26.7 |
| Buildings with Electricity Generation | 22.8 | 14.8 | 12.5 | 36.9 | 8.2 | 8.1 | 21.7 | 12.3 | 19.0 | 10.3 | 16.2 | 29.8 |
| Percent of Floorspace Heated | | | | | | | | | | | | |
| Not Heated | 100.1 | 92.6 | 59.9 | 79.5 | 0.0 | 1.6 | 11.8 | 32.5 | 0.0 | 10.3 | 55.5 | 87.7 |
| 1 to 50 | 30.3 | 38.9 | 33.8 | 38.7 | 7.6 | 4.9 | 9.0 | 4.5 | 19.3 | 21.8 | 26.6 | 28.5 |
| 51 to 99 | 36.9 | 18.4 | 18.2 | 25.9 | 4.8 | 5.4 | 6.7 | 4.8 | 30.6 | 14.3 | 14.8 | 13.8 |
| 100 | 6.9 | 6.9 | 11.2 | 18.7 | 2.9 | 4.0 | 8.0 | 7.0 | 13.6 | 6.3 | 9.7 | 12.2 |
| Percent of Floorspace Cooled | | | | | | | | | | | | |
| Not Cooled | 24.2 | 23.0 | 35.4 | 20.5 | 14.4 | 5.1 | 12.8 | 10.0 | 19.1 | 18.1 | 20.3 | 19.8 |
| 1 to 50 | 12.8 | 13.6 | 21.8 | 32.9 | 5.6 | 8.8 | 5.4 | 6.1 | 13.6 | 8.2 | 17.6 | 21.8 |
| 51 to 99 | 27.3 | 15.5 | 13.4 | 20.0 | 7.8 | 2.5 | 6.9 | 7.0 | 25.6 | 9.1 | 12.3 | 11.7 |
| 100 | 11.1 | 9.8 | 11.2 | 24.1 | 3.9 | 5.0 | 10.4 | 8.3 | 9.1 | 6.7 | 11.2 | 18.0 |
| Heating Equipment (more than one may apply) | | | | | | | | | | | | |
| Heat Pumps | 30.5 | 27.6 | 18.1 | 56.6 | 15.7 | 19.6 | 35.1 | 14.1 | 17.6 | 17.8 | 17.9 | 49.6 |
| Packaged Heat Pumps | 30.6 | 34.5 | 17.7 | 71.4 | 6.8 | 25.5 | 89.4 | 19.3 | 21.6 | 23.4 | 32.4 | 64.3 |
| Split-System Heat Pumps | 31.9 | 46.5 | 28.8 | 41.4 | 27.3 | 15.3 | 9.3 | 8.7 | 42.8 | 46.5 | 35.3 | 28.5 |
| Individual Room Heat Pumps | 43.7 | 46.6 | 24.4 | 21.2 | 26.1 | 21.1 | 5.4 | 9.3 | 29.8 | 16.1 | 17.7 | 31.2 |
| Furnaces | 16.1 | 7.8 | 13.6 | 24.9 | 6.9 | 5.4 | 17.4 | 2.9 | 13.8 | 5.9 | 12.0 | 14.2 |
| Individual Space Heaters | 21.5 | 11.4 | 18.5 | 22.8 | 8.5 | 8.1 | 6.0 | 4.0 | 15.7 | 4.9 | 13.6 | 14.2 |
| District Heat | 51.0 | 55.6 | 49.2 | 61.0 | 8.6 | 41.1 | 7.0 | 34.4 | 41.2 | 51.0 | 39.8 | 64.0 |
| Boilers | 17.4 | 8.3 | 18.0 | 23.0 | 4.5 | 3.8 | 12.8 | 8.5 | 21.2 | 5.0 | 15.5 | 17.1 |
| Packaged Heating Units | 14.3 | 12.9 | 12.9 | 19.7 | 4.8 | 5.6 | 17.6 | 4.4 | 10.3 | 12.1 | 11.6 | 14.2 |
| Other | 40.2 | 28.4 | 25.2 | 56.8 | 8.1 | 10.9 | 10.3 | 4.5 | 35.0 | 14.1 | 30.8 | 13.8 |

RSEs for Table C26. Natural Gas Expenditures by Census Region for Non-Mall Buildings, 2003

| | RSEs for Total Natural Gas Expenditures | | | | RSEs for Natural Gas Expenditures | | | | | | | |
|--|---|----------|-------|------|-----------------------------------|----------|--------|------|-----------------|----------|-------|------|
| | | | | | per Thousand Cubic Feet | | | | per Square Foot | | | |
| | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west | South | West |
| All Buildings* | 10.8 | 5.9 | 9.8 | 15.9 | 2.7 | 3.8 | 6.9 | 5.5 | 10.7 | 5.7 | 8.5 | 10.3 |
| Cooling Equipment (more than one may apply) | | | | | | | | | | | | |
| Residential-Type Central | | | | | | | | | | | | |
| Air Conditioners | 16.9 | 12.1 | 22.7 | 24.8 | 7.0 | 9.6 | 4.6 | 2.6 | 31.0 | 9.9 | 15.9 | 20.9 |
| Heat Pumps | 30.0 | 26.3 | 18.5 | 55.5 | 15.0 | 18.5 | 36.2 | 13.5 | 17.5 | 16.9 | 18.6 | 49.9 |
| Packaged Heat Pumps | 30.0 | 33.7 | 18.1 | 71.0 | 14.0 | 24.7 | 94.9 | 18.9 | 20.4 | 22.7 | 35.1 | 63.8 |
| Split-System Heat Pumps | 31.9 | 42.6 | 29.6 | 41.8 | 27.3 | 12.4 | 9.4 | 8.8 | 42.8 | 31.7 | 34.6 | 28.9 |
| Individual Room Heat Pumps | 43.7 | 46.6 | 24.6 | 21.0 | 26.1 | 21.1 | 5.2 | 8.7 | 29.8 | 16.1 | 17.9 | 26.5 |
| Individual Air Conditioners | 19.8 | 10.6 | 15.2 | 20.3 | 5.4 | 9.6 | 45.4 | 4.6 | 22.1 | 9.5 | 15.7 | 9.7 |
| District Chilled Water | 49.3 | 53.4 | 40.4 | 49.6 | 6.7 | 6.9 | 4.4 | 22.7 | 34.3 | 58.1 | 33.5 | 43.5 |
| Central Chillers | 26.9 | 17.9 | 16.3 | 41.9 | 7.2 | 6.8 | 3.9 | 16.3 | 17.6 | 13.5 | 11.0 | 36.0 |
| Packaged Air Conditioning Units | 16.1 | 7.4 | 11.3 | 13.1 | 3.9 | 3.6 | 11.7 | 4.3 | 16.4 | 7.1 | 13.0 | 11.5 |
| Swamp Coolers | 100.1 | 101.3 | 22.3 | 22.5 | 0.0 | 0.0 | 48.0 | 3.1 | 0.0 | . | 39.7 | 20.3 |
| Other | 38.7 | 51.0 | 34.5 | 54.6 | 18.3 | 24.1 | 1111.3 | 3.4 | 36.9 | 21.6 | 202.0 | 10.3 |
| Main Equipment Replaced Since 1990 (more than one may apply) | | | | | | | | | | | | |
| Heating | 14.2 | 11.5 | 18.1 | 33.0 | 4.1 | 6.8 | 4.4 | 10.5 | 14.5 | 11.2 | 18.7 | 26.5 |
| Cooling | 16.2 | 9.5 | 14.5 | 27.6 | 4.1 | 7.1 | 4.2 | 9.8 | 12.1 | 9.0 | 15.4 | 21.3 |
| Water Heating Equipment | | | | | | | | | | | | |
| Centralized System | 11.2 | 8.0 | 10.8 | 17.9 | 3.4 | 3.9 | 3.5 | 4.1 | 12.6 | 7.0 | 9.1 | 11.2 |
| Distributed System | 25.0 | 26.1 | 18.8 | 20.1 | 14.3 | 5.5 | 6.0 | 5.9 | 31.7 | 18.9 | 11.7 | 21.1 |
| Combination of Centralized and Distributed System | 28.8 | 15.0 | 30.1 | 32.5 | 7.1 | 8.3 | 29.8 | 13.3 | 18.1 | 10.0 | 29.1 | 27.8 |
| Energy-Related Space Functions (more than one may apply) | | | | | | | | | | | | |
| Commercial Food Preparation | 19.2 | 8.6 | 12.6 | 24.7 | 5.2 | 3.2 | 11.7 | 9.3 | 25.3 | 7.1 | 11.9 | 18.1 |
| Activities with Large Amounts of Hot Water | 15.2 | 10.7 | 13.0 | 22.4 | 5.8 | 5.4 | 12.7 | 7.3 | 37.8 | 8.6 | 12.0 | 16.8 |
| Separate Computer Area | 18.2 | 11.4 | 13.6 | 26.5 | 4.4 | 4.2 | 3.6 | 10.1 | 13.9 | 7.8 | 9.0 | 18.9 |
| HVAC Conservation Features (more than one may apply) | | | | | | | | | | | | |
| Variable Air-Volume System | 24.4 | 11.6 | 19.0 | 29.4 | 6.9 | 5.3 | 4.8 | 10.3 | 18.2 | 7.5 | 17.1 | 21.0 |
| Economizer Cycle | 18.8 | 9.8 | 11.6 | 22.2 | 5.5 | 4.9 | 3.2 | 8.8 | 12.4 | 8.5 | 9.5 | 20.2 |
| HVAC Maintenance | 12.9 | 6.0 | 10.3 | 16.0 | 3.2 | 3.6 | 8.1 | 6.1 | 12.8 | 5.3 | 10.1 | 11.6 |
| Energy Management and Control System (EMCS) | 11.2 | 16.5 | 14.0 | 36.7 | 4.0 | 4.0 | 4.3 | 14.1 | 8.7 | 11.2 | 12.3 | 30.0 |
| Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^a | | | | | | | | | | | | |
| Heating | 12.2 | 7.6 | 11.1 | 17.7 | 3.2 | 3.7 | 3.1 | 7.1 | 13.5 | 6.0 | 8.5 | 14.0 |
| Cooling | 13.4 | 8.3 | 11.1 | 16.6 | 4.0 | 4.0 | 3.1 | 6.5 | 13.6 | 6.3 | 8.2 | 12.8 |
| Lighting | 5.7 | 6.3 | 11.5 | 14.6 | 3.1 | 3.5 | 2.9 | 4.1 | 7.8 | 5.6 | 10.0 | 11.1 |
| Office Equipment | 13.6 | 10.1 | 16.1 | 17.4 | 3.8 | 6.7 | 3.3 | 3.8 | 18.7 | 10.9 | 13.4 | 13.7 |

RSEs for Table C26. Natural Gas Expenditures by Census Region for Non-Mall Buildings, 2003

| | RSEs for Total Natural Gas Expenditures | | | | RSEs for Natural Gas Expenditures | | | | | | | |
|--|---|--------------|-------|------|-----------------------------------|--------------|-------|------|-----------------|--------------|-------|------|
| | | | | | per Thousand Cubic Feet | | | | per Square Foot | | | |
| | North- east | Mid- west | South | West | North- east | Mid- west | South | West | North- east | Mid- west | South | West |
| All Buildings* | 10.8 | 5.9 | 9.8 | 15.9 | 2.7 | 3.8 | 6.9 | 5.5 | 10.7 | 5.7 | 8.5 | 10.3 |
| Annual Consumption (hundred cubic feet) | | | | | | | | | | | | |
| 1,000 or Less | 17.4 | 15.3 | 17.3 | 18.7 | 8.5 | 6.3 | 4.3 | 4.6 | 70.3 | 13.9 | 12.3 | 17.9 |
| 1,001 to 5,000 | 11.0 | 14.8 | 15.2 | 15.8 | 4.1 | 3.5 | 3.6 | 3.5 | 10.1 | 8.1 | 8.4 | 13.7 |
| 5,001 to 10,000 | 13.3 | 14.7 | 14.5 | 18.2 | 8.2 | 6.9 | 3.9 | 3.0 | 20.0 | 13.1 | 12.1 | 10.2 |
| 10,001 to 25,000 | 17.2 | 12.8 | 14.8 | 32.2 | 3.7 | 4.1 | 6.1 | 4.1 | 13.4 | 7.9 | 9.0 | 23.2 |
| 25,001 to 50,000 | 18.0 | 15.1 | 18.9 | 28.4 | 4.4 | 4.3 | 10.1 | 7.2 | 43.7 | 8.0 | 15.8 | 28.7 |
| 50,001 to 100,000 | 27.5 | 21.1 | 42.3 | 33.9 | 10.4 | 13.0 | 6.9 | 8.0 | 21.2 | 14.1 | 42.2 | 19.5 |
| Over 100,000 | 26.5 | 15.2 | 19.3 | 43.5 | 8.1 | 9.3 | 24.0 | 16.9 | 14.2 | 16.0 | 21.2 | 31.1 |
| Provider of Natural Gas (more than one may apply) | | | | | | | | | | | | |
| Local Utility | 8.3 | 6.9 | 10.7 | 16.7 | 2.7 | 4.4 | 7.8 | 6.0 | 10.8 | 6.3 | 9.5 | 10.7 |
| Some Other Provider | 27.8 | 17.7 | 29.4 | 28.1 | 11.0 | 4.8 | 6.3 | 11.0 | 27.5 | 10.7 | 22.4 | 12.6 |

X=No cases in the responding sample reported their consumption for the particular fuel, so relative standard error could not be calculated.

RSEs for Table C27. Natural Gas Consumption and Conditional Energy Intensity by Census Division for Non-Mall Buildings, 2003: Part 1

| | RSEs for Total Natural Gas Consumption | | | RSEs for Total Floorspace of Buildings Using Natural Gas | | | RSEs for Natural Gas Energy Intensity | | |
|--|--|-----------------|--------------------|--|-----------------|--------------------|---------------------------------------|-----------------|--------------------|
| | New England | Middle Atlantic | East North Central | New England | Middle Atlantic | East North Central | New England | Middle Atlantic | East North Central |
| All Buildings* | 29.5 | 10.7 | 5.1 | 29.1 | 10.5 | 6.0 | 16.8 | 11.8 | 7.3 |
| Building Floorspace (Square Feet) | | | | | | | | | |
| 1,001 to 5,000 | 23.1 | 17.7 | 14.0 | 26.8 | 15.8 | 11.1 | 11.2 | 13.2 | 7.4 |
| 5,001 to 10,000 | 34.0 | 17.6 | 28.5 | 39.7 | 16.0 | 25.2 | 30.4 | 12.8 | 24.9 |
| 10,001 to 25,000 | 52.9 | 9.6 | 18.2 | 57.0 | 20.0 | 14.1 | 46.1 | 14.5 | 21.7 |
| 25,001 to 50,000 | 12.4 | 19.5 | 21.9 | 24.4 | 19.3 | 12.2 | 19.6 | 14.9 | 16.6 |
| 50,001 to 100,000 | 44.5 | 25.8 | 20.5 | 30.8 | 21.0 | 20.2 | 50.7 | 16.0 | 14.9 |
| 100,001 to 200,000 | 62.8 | 24.7 | 30.1 | 43.4 | 30.1 | 21.7 | 35.2 | 41.0 | 13.6 |
| 200,001 to 500,000 | 57.5 | 23.4 | 25.5 | 64.1 | 36.1 | 16.6 | 18.5 | 39.3 | 18.2 |
| Over 500,000 | 99.6 | 48.0 | 28.7 | 82.4 | 27.8 | 23.2 | 26.5 | 41.3 | 25.5 |
| Principal Building Activity | | | | | | | | | |
| Education | 97.0 | 31.8 | 12.4 | 45.9 | 16.0 | 10.6 | 125.2 | 18.5 | 5.7 |
| Food Sales | 100.1 | 35.2 | 42.7 | 100.1 | 13.1 | 31.5 | 0.0 | 32.3 | 26.4 |
| Food Service | 104.2 | 16.5 | 21.4 | 104.2 | 20.4 | 22.7 | 0.0 | 23.2 | 17.0 |
| Health Care | 77.9 | 31.3 | 22.5 | 66.0 | 14.1 | 22.5 | 19.1 | 19.7 | 11.4 |
| Inpatient | 99.7 | 35.2 | 19.4 | 90.5 | 20.4 | 16.6 | 11.8 | 17.3 | 15.4 |
| Outpatient | 81.4 | 34.8 | 53.7 | 73.3 | 27.6 | 39.4 | 47.9 | 11.7 | 18.5 |
| Lodging | 75.5 | 34.5 | 30.2 | 69.3 | 57.0 | 21.0 | 43.3 | 97.5 | 21.0 |
| Retail (Other Than Mall)..... | 51.7 | 37.3 | 38.8 | 60.9 | 21.6 | 29.9 | 23.5 | 26.5 | 22.3 |
| Office | 28.6 | 32.1 | 27.2 | 27.5 | 18.2 | 17.8 | 14.5 | 28.5 | 13.8 |
| Public Assembly | 53.5 | 31.2 | 30.2 | 36.7 | 43.7 | 27.3 | 43.2 | 111.0 | 20.3 |
| Public Order and Safety | 71.4 | 41.9 | 43.1 | 70.8 | 37.3 | 50.9 | 17.6 | 14.7 | 32.4 |
| Religious Worship | 103.8 | 19.6 | 19.4 | 103.8 | 27.0 | 14.6 | 0.0 | 10.6 | 10.8 |
| Service | 103.8 | 24.6 | 39.6 | 103.8 | 35.2 | 32.6 | 0.0 | 48.0 | 22.2 |
| Warehouse and Storage | 102.7 | 21.1 | 21.0 | 102.6 | 27.1 | 18.2 | 0.8 | 21.4 | 8.5 |
| Other | 67.2 | 54.8 | 55.3 | 54.5 | 40.8 | 33.2 | 50.5 | 22.4 | 38.8 |
| Vacant | 100.1 | 65.0 | 31.3 | 100.1 | 54.4 | 44.4 | 0.0 | 37.4 | 30.6 |
| Year Constructed | | | | | | | | | |
| Before 1920 | 46.6 | 21.3 | 28.5 | 59.5 | 25.1 | 23.6 | 30.1 | 24.3 | 11.8 |
| 1920 to 1945 | 37.3 | 31.8 | 23.9 | 52.7 | 28.5 | 14.7 | 40.6 | 39.1 | 20.0 |
| 1946 to 1959 | 5.7 | 22.3 | 16.2 | 49.2 | 23.5 | 16.3 | 40.4 | 37.3 | 14.2 |
| 1960 to 1969 | 69.5 | 19.1 | 16.6 | 50.1 | 23.4 | 21.0 | 38.3 | 19.7 | 18.5 |
| 1970 to 1979 | 67.8 | 21.9 | 19.3 | 39.0 | 26.5 | 17.2 | 48.5 | 23.0 | 14.9 |
| 1980 to 1989 | 23.7 | 33.5 | 28.5 | 19.5 | 21.8 | 15.2 | 32.3 | 26.6 | 15.6 |
| 1990 to 1999 | 83.8 | 24.4 | 22.5 | 53.1 | 17.7 | 24.9 | 71.6 | 14.8 | 14.3 |
| 2000 to 2003 | 85.7 | 56.6 | 31.1 | 76.0 | 28.0 | 21.3 | 41.7 | 27.1 | 17.9 |
| Climate Zone: 30-Year Average | | | | | | | | | |
| Under 2,000 CDD and -- | | | | | | | | | |
| More than 7,000 HDD | 0.0 | 74.1 | 10.0 | 0.0 | 71.8 | 6.6 | 0.0 | 15.0 | 9.2 |
| 5,500-7,000 HDD | 29.5 | 20.6 | 6.1 | 29.1 | 8.0 | 8.0 | 16.8 | 14.7 | 10.1 |
| 4,000-5,499 HDD | 0.0 | 33.9 | 0.0 | 0.0 | 23.7 | 0.0 | 0.0 | 20.0 | 0.0 |
| Fewer than 4,000 HDD | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2,000 CDD or More and -- | | | | | | | | | |
| Fewer than 4,000 HDD | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Number of Floors | | | | | | | | | |
| One | 45.2 | 15.8 | 12.6 | 16.5 | 15.5 | 11.6 | 30.8 | 16.1 | 12.4 |
| Two | 39.2 | 12.9 | 7.5 | 36.9 | 23.4 | 13.6 | 51.6 | 32.8 | 11.8 |
| Three | 37.4 | 18.6 | 18.2 | 51.6 | 22.0 | 14.2 | 28.6 | 21.3 | 12.4 |
| Four to Nine | 40.3 | 18.6 | 18.3 | 34.9 | 30.6 | 13.3 | 19.2 | 26.1 | 9.6 |
| Ten or More | 13.7 | 46.0 | 34.1 | 41.3 | 28.2 | 27.6 | 48.4 | 38.3 | 29.6 |

RSEs for Table C27. Natural Gas Consumption and Conditional Energy Intensity by Census Division for Non-Mall Buildings, 2003: Part 1

| | RSEs for Total Natural Gas Consumption | | | RSEs for Total Floorspace of Buildings Using Natural Gas | | | RSEs for Natural Gas Energy Intensity | | |
|---|--|-----------------|--------------------|--|-----------------|--------------------|---------------------------------------|-----------------|--------------------|
| | New England | Middle Atlantic | East North Central | New England | Middle Atlantic | East North Central | New England | Middle Atlantic | East North Central |
| All Buildings* | 29.5 | 10.7 | 5.1 | 29.1 | 10.5 | 6.0 | 16.8 | 11.8 | 7.3 |
| Number of Workers (main shift) | | | | | | | | | |
| Fewer than 5 | 22.4 | 20.8 | 13.2 | 24.4 | 15.8 | 18.1 | 16.0 | 10.5 | 14.2 |
| 5 to 9 | 57.3 | 15.8 | 15.0 | 49.1 | 19.3 | 18.3 | 28.5 | 24.9 | 19.1 |
| 10 to 19 | 24.0 | 22.8 | 18.5 | 76.3 | 39.0 | 11.0 | 42.9 | 45.0 | 14.1 |
| 20 to 49 | 65.3 | 21.7 | 14.3 | 62.6 | 29.4 | 12.8 | 22.8 | 34.0 | 12.7 |
| 50 to 99 | 58.1 | 19.3 | 8.0 | 60.2 | 21.0 | 14.6 | 28.5 | 15.6 | 13.0 |
| 100 to 249 | 63.8 | 19.7 | 27.4 | 31.4 | 17.4 | 18.3 | 59.1 | 30.2 | 16.5 |
| 250 or More | 56.1 | 30.2 | 21.6 | 48.4 | 18.9 | 20.6 | 14.8 | 22.2 | 17.5 |
| Weekly Operating Hours | | | | | | | | | |
| Fewer than 40 | 72.5 | 38.8 | 14.3 | 75.5 | 31.2 | 26.6 | 47.7 | 19.3 | 18.0 |
| 40 to 48 | 31.6 | 24.2 | 17.3 | 45.8 | 29.1 | 13.1 | 37.6 | 43.8 | 12.7 |
| 49 to 60 | 45.6 | 14.0 | 18.8 | 55.4 | 15.8 | 13.6 | 30.4 | 15.1 | 15.5 |
| 61 to 84 | 29.7 | 18.0 | 10.8 | 35.1 | 16.1 | 14.1 | 35.3 | 15.8 | 5.0 |
| 85 to 167 | 62.8 | 28.8 | 15.6 | 66.2 | 15.6 | 14.3 | 2.5 | 20.7 | 14.9 |
| Open Continuously | 45.5 | 26.6 | 17.4 | 43.1 | 17.4 | 14.5 | 13.1 | 20.3 | 12.8 |
| Ownership and Occupancy | | | | | | | | | |
| Nongovernment Owned | 43.3 | 13.5 | 6.0 | 33.4 | 13.0 | 7.2 | 26.1 | 13.9 | 9.9 |
| Owner Occupied | 49.0 | 19.7 | 10.2 | 36.8 | 13.9 | 9.9 | 34.5 | 18.9 | 12.5 |
| Nonowner Occupied | 36.4 | 10.8 | 9.3 | 33.1 | 17.7 | 13.1 | 10.0 | 15.3 | 14.9 |
| Unoccupied | 0.0 | 57.4 | 32.2 | 0.0 | 65.2 | 45.5 | 0.0 | 18.1 | 34.0 |
| Government Owned | 40.3 | 24.8 | 8.5 | 29.2 | 12.2 | 8.7 | 25.6 | 16.9 | 8.0 |
| Federal | 77.7 | 68.8 | 53.6 | 81.2 | 53.8 | 49.8 | 7.8 | 36.4 | 7.0 |
| State | 82.6 | 52.0 | 41.7 | 67.1 | 47.9 | 40.0 | 25.6 | 30.8 | 29.3 |
| Local | 33.4 | 26.4 | 12.4 | 16.9 | 13.6 | 9.3 | 44.1 | 18.1 | 7.6 |
| Vacancy Status | | | | | | | | | |
| Completely Vacant | 0.0 | 55.9 | 32.2 | 0.0 | 57.2 | 45.5 | 0.0 | 45.0 | 34.0 |
| Mostly Vacant | 100.1 | 100.1 | 100.7 | 100.1 | 100.1 | 100.8 | 0.0 | 0.0 | 0.4 |
| Partially Vacant | 22.1 | 35.0 | 18.6 | 19.7 | 21.4 | 11.4 | 29.2 | 30.3 | 14.0 |
| Not At All Vacant | 45.9 | 7.6 | 7.1 | 37.0 | 14.2 | 8.0 | 22.6 | 15.9 | 7.3 |
| Number of Establishments | | | | | | | | | |
| One | 26.5 | 11.8 | 7.1 | 28.0 | 17.7 | 9.7 | 22.1 | 20.5 | 9.6 |
| 2 to 5 | 36.4 | 25.7 | 21.3 | 32.8 | 21.6 | 16.7 | 10.4 | 19.3 | 16.2 |
| 6 to 10 | 73.6 | 40.0 | 33.7 | 81.5 | 36.1 | 25.1 | 215.5 | 25.6 | 31.8 |
| 11 to 20 | 65.0 | 42.3 | 44.4 | 36.2 | 55.0 | 34.8 | 21.4 | 32.0 | 33.0 |
| More than 20 | 94.1 | 77.9 | 50.7 | 71.2 | 36.9 | 47.7 | 70.5 | 70.4 | 49.6 |
| Currently Unoccupied | 0.0 | 55.9 | 32.2 | 0.0 | 57.2 | 45.5 | 0.0 | 45.0 | 34.0 |
| Predominant Exterior Wall Material | | | | | | | | | |
| Brick, Stone or Stucco | 29.7 | 15.9 | 11.7 | 35.2 | 14.8 | 8.1 | 20.3 | 18.4 | 5.9 |
| Concrete (Block or Poured) | 63.4 | 20.0 | 21.5 | 41.8 | 19.9 | 26.8 | 34.9 | 24.3 | 13.3 |
| Concrete Panels | 100.2 | 22.8 | 33.9 | 100.2 | 15.4 | 19.3 | 0.0 | 22.8 | 29.9 |
| Siding or Shingles | 32.9 | 44.2 | 25.1 | 47.4 | 43.9 | 35.0 | 26.3 | 25.6 | 25.2 |
| Metal Panels | 75.1 | 45.7 | 23.5 | 75.3 | 29.4 | 29.3 | 32.5 | 21.3 | 14.9 |
| Window Glass | 101.8 | 65.0 | 60.7 | 101.8 | 25.0 | 54.9 | 0.0 | 68.3 | 30.7 |
| Other | 83.6 | 48.0 | 41.9 | 80.1 | 47.7 | 45.4 | 21.5 | 9.3 | 26.5 |
| No One Major Type | 99.8 | 71.4 | 51.5 | 99.8 | 76.0 | 34.5 | 0.0 | 24.8 | 33.5 |

RSEs for Table C27. Natural Gas Consumption and Conditional Energy Intensity by Census Division for Non-Mall Buildings, 2003: Part 1

| | RSEs for Total Natural Gas Consumption | | | RSEs for Total Floorspace of Buildings Using Natural Gas | | | RSEs for Natural Gas Energy Intensity | | |
|---|--|-----------------|--------------------|--|-----------------|--------------------|---------------------------------------|-----------------|--------------------|
| | New England | Middle Atlantic | East North Central | New England | Middle Atlantic | East North Central | New England | Middle Atlantic | East North Central |
| All Buildings* | 29.5 | 10.7 | 5.1 | 29.1 | 10.5 | 6.0 | 16.8 | 11.8 | 7.3 |
| Predominant Roof Material | | | | | | | | | |
| Built-Up | 13.7 | 6.5 | 10.9 | 30.5 | 16.1 | 8.6 | 32.5 | 12.6 | 10.7 |
| Shingles (Not Wood) | 17.2 | 39.6 | 19.4 | 37.3 | 18.0 | 14.0 | 38.5 | 32.3 | 12.3 |
| Metal Surfacing | X | 31.0 | 24.3 | X | 31.1 | 22.4 | X | 11.7 | 26.5 |
| Synthetic or Rubber | 42.5 | 12.4 | 10.9 | 32.9 | 14.4 | 12.7 | 19.6 | 10.7 | 9.7 |
| Slate or Tile | 100.0 | 27.8 | 35.5 | 70.9 | 29.8 | 27.9 | 154.6 | 56.1 | 19.5 |
| Wooden Materials | X | 95.9 | 49.1 | X | 95.9 | 29.4 | X | 0.0 | 53.2 |
| Concrete | X | 75.4 | 99.0 | X | 98.1 | 90.0 | X | 1268.9 | 10.0 |
| Other | X | 100.1 | 59.6 | X | 100.1 | 36.0 | X | 0.5 | 45.7 |
| No One Major Type | 64.8 | 76.0 | 56.2 | 86.1 | 84.7 | 51.5 | 34.5 | 67.7 | 24.4 |
| Renovations in Buildings Constructed Before 1980 (more than one may apply) | | | | | | | | | |
| Any Type of Renovation | | | | | | | | | |
| Since 1980 | 43.6 | 13.3 | 13.5 | 46.9 | 10.4 | 12.5 | 31.1 | 14.2 | 7.1 |
| Addition or Annex | 74.7 | 28.7 | 15.4 | 77.4 | 31.8 | 16.6 | 58.6 | 44.7 | 7.6 |
| Reduction In Floorspace | 100.5 | 42.6 | 44.1 | 100.3 | 43.1 | 50.5 | 1.7 | 22.8 | 17.3 |
| Cosmetic Improvements | 57.0 | 18.2 | 14.6 | 47.9 | 14.1 | 13.5 | 28.9 | 18.6 | 6.7 |
| Wall or Roof Replacement | 58.7 | 19.7 | 16.8 | 55.6 | 14.1 | 15.1 | 29.1 | 24.4 | 12.0 |
| Interior Wall | | | | | | | | | |
| Re-Configuration | 41.6 | 18.7 | 16.8 | 45.1 | 14.1 | 15.1 | 41.7 | 19.9 | 9.6 |
| HVAC Equipment Upgrade | 47.7 | 12.0 | 14.3 | 48.9 | 19.0 | 14.9 | 42.7 | 10.4 | 9.1 |
| Lighting Upgrade | 43.8 | 16.1 | 15.5 | 45.0 | 12.4 | 14.5 | 39.2 | 15.2 | 7.5 |
| Window Replacement | 48.5 | 24.9 | 19.6 | 52.6 | 14.6 | 13.7 | 43.2 | 26.0 | 12.9 |
| Plumbing System Upgrade | 51.1 | 25.9 | 17.4 | 59.5 | 16.2 | 18.6 | 64.4 | 33.3 | 10.4 |
| Insulation Upgrade | 90.9 | 22.4 | 21.4 | 71.2 | 33.2 | 17.5 | 79.7 | 18.6 | 15.8 |
| Other Renovation | 84.8 | 57.6 | 42.5 | 71.1 | 61.0 | 40.0 | 78.2 | 46.4 | 14.0 |
| No Renovations Since 1980 | 18.2 | 23.6 | 16.0 | 26.0 | 22.1 | 12.5 | 14.4 | 22.2 | 11.4 |
| Building Newer than 1980 | 68.3 | 18.8 | 14.8 | 48.9 | 10.2 | 13.3 | 39.6 | 21.3 | 11.0 |
| Energy Sources (more than one may apply) | | | | | | | | | |
| Electricity | 27.2 | 12.3 | 6.0 | 19.7 | 11.1 | 9.9 | 21.9 | 12.8 | 8.0 |
| Natural Gas | 29.5 | 10.7 | 5.1 | 29.1 | 10.5 | 6.0 | 16.8 | 11.8 | 7.3 |
| Fuel Oil | 65.5 | 21.1 | 30.7 | 53.1 | 13.1 | 17.3 | 27.0 | 14.9 | 18.8 |
| District Heat | 79.5 | 71.1 | 66.9 | 47.8 | 28.5 | 27.4 | 72.1 | 48.7 | 59.8 |
| District Chilled Water | 100.1 | 49.4 | 79.8 | 100.1 | 34.1 | 73.2 | 0.0 | 33.7 | 86.3 |
| Propane | 0.0 | 72.0 | 35.4 | 0.0 | 51.0 | 42.2 | 0.0 | 25.6 | 23.8 |
| Other | 100.3 | 68.6 | 50.6 | 100.3 | 49.7 | 35.0 | 0.0 | 32.6 | 22.1 |
| Space-Heating Energy Sources | | | | | | | | | |
| Natural Gas | 29.1 | 10.9 | 5.4 | 25.5 | 11.4 | 5.9 | 17.1 | 11.7 | 7.7 |
| Natural Gas Main | 30.5 | 10.9 | 6.0 | 30.8 | 10.7 | 5.9 | 17.6 | 11.6 | 8.1 |
| Natural Gas Secondary | 57.1 | 29.4 | 20.3 | 44.2 | 26.3 | 17.3 | 59.7 | 21.8 | 19.6 |
| Other Excluding Natural Gas | 58.1 | 30.8 | 41.1 | 50.0 | 53.5 | 20.4 | 58.2 | 71.4 | 30.2 |
| Buildings without Heating | 0.0 | 100.1 | 95.9 | 0.0 | 100.1 | 87.4 | 0.0 | 0.0 | 9.7 |
| Primary Space-Heating Energy Source | | | | | | | | | |
| Electricity | 75.5 | 24.6 | 21.3 | 90.3 | 22.7 | 20.4 | 27.1 | 11.0 | 18.8 |
| Natural Gas | 30.5 | 10.9 | 6.0 | 30.8 | 10.7 | 5.9 | 17.6 | 11.6 | 8.1 |
| Fuel Oil | 43.4 | 47.0 | 94.8 | 36.8 | 73.0 | 83.6 | 29.1 | 101.2 | 71.3 |
| District Heat | 75.2 | 69.6 | 66.9 | 54.1 | 28.3 | 27.4 | 111.7 | 54.5 | 59.8 |
| Propane | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Other | 0.0 | 85.3 | 98.9 | 0.0 | 79.1 | 100.3 | 0.0 | 11.6 | 2.2 |

RSEs for Table C27. Natural Gas Consumption and Conditional Energy Intensity by Census Division for Non-Mall Buildings, 2003: Part 1

| | RSEs for Total Natural Gas Consumption | | | RSEs for Total Floorspace of Buildings Using Natural Gas | | | RSEs for Natural Gas Energy Intensity | | |
|--|--|-----------------|--------------------|--|-----------------|--------------------|---------------------------------------|-----------------|--------------------|
| | New England | Middle Atlantic | East North Central | New England | Middle Atlantic | East North Central | New England | Middle Atlantic | East North Central |
| All Buildings* | 29.5 | 10.7 | 5.1 | 29.1 | 10.5 | 6.0 | 16.8 | 11.8 | 7.3 |
| Cooling Energy Sources | | | | | | | | | |
| Natural Gas | 55.0 | 66.3 | 52.9 | 58.1 | 50.3 | 44.6 | 58.3 | 43.3 | 22.5 |
| Other Excluding Natural Gas | 27.0 | 8.7 | 5.5 | 27.0 | 11.4 | 6.8 | 16.5 | 8.7 | 6.5 |
| Buildings without Cooling | 55.6 | 27.1 | 27.4 | 49.2 | 32.2 | 42.3 | 21.9 | 47.6 | 16.5 |
| Water-Heating Energy Sources | | | | | | | | | |
| Natural Gas | 46.9 | 10.9 | 8.8 | 39.9 | 11.2 | 6.1 | 22.7 | 13.5 | 7.3 |
| Other Excluding Natural Gas | 30.6 | 20.1 | 20.0 | 30.5 | 13.6 | 17.2 | 33.4 | 13.6 | 16.9 |
| Bldgs without Water Heating | 53.8 | 32.9 | 30.2 | 58.3 | 29.2 | 21.8 | 35.8 | 28.1 | 24.7 |
| Cooking Energy Sources | | | | | | | | | |
| Natural Gas | 58.6 | 20.2 | 11.4 | 51.6 | 29.3 | 9.1 | 35.2 | 34.3 | 7.4 |
| Other Excluding Natural Gas | 19.7 | 50.0 | 16.9 | 24.4 | 23.6 | 17.5 | 45.8 | 30.5 | 14.4 |
| Buildings without Cooking | 35.3 | 11.6 | 7.5 | 22.4 | 17.7 | 6.9 | 29.8 | 8.2 | 9.2 |
| Energy End Uses (more than one may apply) | | | | | | | | | |
| Buildings with Space Heating | 29.5 | 10.8 | 5.2 | 29.1 | 10.4 | 6.1 | 16.8 | 12.1 | 7.3 |
| Buildings with Cooling | 29.1 | 11.7 | 6.2 | 27.9 | 11.5 | 6.6 | 16.2 | 10.6 | 6.6 |
| Buildings with Water Heating | 29.5 | 11.0 | 5.2 | 28.7 | 11.3 | 6.2 | 16.9 | 12.1 | 7.6 |
| Buildings with Cooking | 37.9 | 19.2 | 9.9 | 40.5 | 25.4 | 9.8 | 28.0 | 28.3 | 8.4 |
| Buildings with Manufacturing | 102.1 | 35.6 | 40.4 | 102.1 | 29.5 | 22.3 | 0.0 | 17.6 | 28.5 |
| Buildings with Electricity Generation | 45.4 | 21.9 | 19.2 | 47.6 | 14.6 | 12.8 | 10.2 | 18.1 | 10.8 |
| Percent of Floorspace Heated | | | | | | | | | |
| Not Heated | 0.0 | 100.1 | 95.9 | 0.0 | 100.1 | 87.4 | 0.0 | 0.0 | 9.7 |
| 1 to 50 | 90.2 | 38.0 | 43.8 | 67.8 | 42.7 | 33.2 | 100.1 | 14.1 | 25.6 |
| 51 to 99 | 52.9 | 40.5 | 20.4 | 54.5 | 23.0 | 24.1 | 17.7 | 34.9 | 16.9 |
| 100 | 25.1 | 7.4 | 6.6 | 25.6 | 15.6 | 7.2 | 18.8 | 15.2 | 7.6 |
| Percent of Floorspace Cooled | | | | | | | | | |
| Not Cooled | 55.6 | 27.1 | 27.4 | 49.2 | 32.2 | 42.3 | 21.9 | 47.6 | 16.5 |
| 1 to 50 | 17.3 | 14.1 | 13.7 | 35.8 | 13.8 | 12.6 | 30.5 | 9.9 | 7.3 |
| 51 to 99 | 61.3 | 28.7 | 21.1 | 45.9 | 21.9 | 17.4 | 37.9 | 28.6 | 10.6 |
| 100 | 27.2 | 11.4 | 9.2 | 28.1 | 9.5 | 11.3 | 11.8 | 9.1 | 8.7 |
| Heating Equipment (more than one may apply) | | | | | | | | | |
| Heat Pumps | | | | | | | | | |
| Packaged Heat Pumps | 77.0 | 32.4 | 30.5 | 60.6 | 29.2 | 33.8 | 78.6 | 17.7 | 16.4 |
| Split-System Heat Pumps | 100.2 | 33.3 | 33.9 | 100.1 | 33.4 | 37.3 | 0.9 | 22.9 | 17.4 |
| Individual Room Heat Pumps | 67.5 | 45.8 | 51.6 | 39.4 | 48.9 | 40.7 | 46.2 | 18.2 | 59.2 |
| Furnaces | 87.6 | 39.3 | 40.8 | 70.4 | 34.0 | 49.0 | 106.5 | 23.1 | 19.7 |
| Individual Space Heaters | 53.5 | 17.1 | 5.9 | 47.7 | 17.2 | 9.6 | 28.4 | 18.2 | 7.4 |
| District Heat | 59.8 | 20.9 | 9.6 | 31.9 | 23.5 | 13.0 | 55.5 | 12.8 | 8.2 |
| Boilers | 75.2 | 66.4 | 66.9 | 54.1 | 28.0 | 27.4 | 111.7 | 48.5 | 59.8 |
| Packaged Heating Units | 36.9 | 18.3 | 10.5 | 37.3 | 22.9 | 7.5 | 22.6 | 24.8 | 6.6 |
| Other | 50.6 | 13.5 | 12.9 | 30.9 | 18.4 | 12.2 | 35.2 | 6.4 | 14.2 |
| | 100.1 | 41.6 | 42.1 | 100.1 | 26.8 | 33.7 | 0.0 | 34.0 | 32.1 |

RSEs for Table C27. Natural Gas Consumption and Conditional Energy Intensity by Census Division for Non-Mall Buildings, 2003: Part 1

| | RSEs for Total Natural Gas Consumption | | | RSEs for Total Floorspace of Buildings Using Natural Gas | | | RSEs for Natural Gas Energy Intensity | | |
|--|--|-----------------|--------------------|--|-----------------|--------------------|---------------------------------------|-----------------|--------------------|
| | New England | Middle Atlantic | East North Central | New England | Middle Atlantic | East North Central | New England | Middle Atlantic | East North Central |
| All Buildings* | 29.5 | 10.7 | 5.1 | 29.1 | 10.5 | 6.0 | 16.8 | 11.8 | 7.3 |
| Cooling Equipment (more than one may apply) | | | | | | | | | |
| Residential-Type Central Air Conditioners | | | | | | | | | |
| Heat Pumps | 58.6 | 14.6 | 10.6 | 62.0 | 25.4 | 12.2 | 88.3 | 30.0 | 9.3 |
| Packaged Heat Pumps | 66.6 | 33.0 | 30.5 | 55.7 | 29.6 | 33.5 | 55.1 | 16.7 | 16.2 |
| Split-System Heat Pumps | 72.5 | 35.7 | 33.8 | 75.0 | 33.3 | 37.3 | 22.1 | 25.8 | 17.3 |
| Individual Room Heat Pumps | 67.5 | 45.8 | 52.9 | 39.4 | 48.9 | 34.4 | 46.2 | 18.2 | 45.7 |
| Individual Air Conditioners | 87.6 | 39.3 | 40.8 | 70.4 | 34.0 | 49.0 | 106.5 | 23.1 | 19.7 |
| District Chilled Water | 48.1 | 18.6 | 12.7 | 42.2 | 22.9 | 15.1 | 33.5 | 25.3 | 8.6 |
| Central Chillers | 100.1 | 49.4 | 79.8 | 100.1 | 34.1 | 73.2 | 0.0 | 33.7 | 86.3 |
| Packaged Air Conditioning Units | 33.0 | 29.5 | 20.1 | 27.0 | 25.3 | 12.9 | 28.2 | 17.7 | 13.1 |
| Swamp Coolers | 30.6 | 15.7 | 7.1 | 24.1 | 15.9 | 9.1 | 15.6 | 17.0 | 9.0 |
| Other | X | 100.1 | 101.3 | X | 100.1 | 101.3 | X | 0.0 | 0.0 |
| | 100.1 | 47.5 | 45.0 | 100.1 | 28.7 | 44.3 | 0.2 | 48.0 | 14.4 |
| Main Equipment Replaced Since 1990 (more than one may apply) | | | | | | | | | |
| Heating | | | | | | | | | |
| Cooling | 44.2 | 13.1 | 12.7 | 35.9 | 18.5 | 11.0 | 42.1 | 13.9 | 13.9 |
| | 39.0 | 17.8 | 11.0 | 28.6 | 18.3 | 12.1 | 35.2 | 12.0 | 9.1 |
| Water Heating Equipment | | | | | | | | | |
| Centralized System | | | | | | | | | |
| Distributed System | 24.1 | 11.4 | 8.4 | 33.1 | 11.6 | 5.8 | 21.6 | 13.0 | 8.2 |
| Combination of Centralized and Distributed System | 70.3 | 24.9 | 30.3 | 30.2 | 34.8 | 26.3 | 58.8 | 36.9 | 22.1 |
| | 59.9 | 29.0 | 22.3 | 53.7 | 26.5 | 15.9 | 34.2 | 18.6 | 15.4 |
| Energy-Related Space Functions (more than one may apply) | | | | | | | | | |
| Commercial Food Preparation | | | | | | | | | |
| Activities with Large Amounts of Hot Water | 37.9 | 19.2 | 9.9 | 40.5 | 25.4 | 9.8 | 28.0 | 28.3 | 8.4 |
| Separate Computer Area | 43.2 | 14.8 | 13.0 | 32.5 | 33.2 | 11.6 | 26.3 | 49.0 | 13.1 |
| | 39.8 | 18.8 | 11.4 | 40.0 | 9.8 | 11.8 | 19.0 | 14.7 | 8.9 |
| HVAC Conservation Features (more than one may apply) | | | | | | | | | |
| Variable Air-Volume System | | | | | | | | | |
| Economizer Cycle | 59.9 | 22.6 | 13.6 | 40.4 | 15.3 | 9.1 | 37.3 | 17.0 | 8.3 |
| HVAC Maintenance | 49.8 | 16.8 | 10.2 | 31.7 | 19.3 | 8.8 | 28.8 | 13.0 | 8.0 |
| Energy Management and Control System (EMCS) | 42.2 | 12.4 | 6.8 | 33.4 | 12.1 | 6.0 | 23.5 | 13.0 | 7.0 |
| | 44.5 | 8.0 | 19.5 | 45.5 | 6.6 | 13.3 | 23.2 | 6.5 | 11.2 |
| Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^a | | | | | | | | | |
| Heating | | | | | | | | | |
| Cooling | 24.5 | 12.0 | 9.6 | 31.5 | 11.0 | 8.2 | 10.5 | 13.8 | 7.7 |
| Lighting | 18.1 | 12.5 | 9.8 | 28.4 | 12.5 | 8.5 | 12.4 | 12.8 | 7.9 |
| Office Equipment | 21.8 | 6.5 | 7.0 | 30.0 | 9.8 | 5.6 | 12.1 | 10.5 | 7.8 |
| | 53.2 | 15.5 | 11.7 | 49.0 | 12.1 | 12.1 | 31.5 | 20.2 | 13.0 |

RSEs for Table C27. Natural Gas Consumption and Conditional Energy Intensity by Census Division for Non-Mall Buildings, 2003: Part 1

| | RSEs for Total Natural Gas Consumption | | | RSEs for Total Floorspace of Buildings Using Natural Gas | | | RSEs for Natural Gas Energy Intensity | | |
|--|--|-----------------|--------------------|--|-----------------|--------------------|---------------------------------------|-----------------|--------------------|
| | New England | Middle Atlantic | East North Central | New England | Middle Atlantic | East North Central | New England | Middle Atlantic | East North Central |
| All Buildings* | 29.5 | 10.7 | 5.1 | 29.1 | 10.5 | 6.0 | 16.8 | 11.8 | 7.3 |
| Annual Consumption (hundred cubic feet) | | | | | | | | | |
| 1,000 or Less | | | | | | | | | |
| 1,001 to 5,000 | 34.4 | 11.2 | 16.0 | 44.3 | 57.9 | 24.4 | 33.2 | 114.0 | 18.7 |
| 5,001 to 10,000 | 24.0 | 10.9 | 19.7 | 38.0 | 18.3 | 22.4 | 22.2 | 12.5 | 8.0 |
| 10,001 to 25,000 | 67.7 | 13.1 | 16.6 | 31.8 | 24.4 | 14.8 | 28.1 | 24.0 | 10.8 |
| 25,001 to 50,000 | 46.7 | 16.7 | 10.0 | 64.6 | 14.9 | 12.1 | 29.4 | 13.8 | 12.0 |
| 50,001 to 100,000 | 74.2 | 14.4 | 17.6 | 78.7 | 35.5 | 13.5 | 12.9 | 49.5 | 11.0 |
| Over 100,000 | 100.2 | 19.3 | 21.3 | 100.2 | 19.1 | 14.9 | 0.4 | 23.4 | 16.2 |
| | 43.2 | 29.3 | 15.9 | 37.2 | 23.0 | 15.7 | 12.3 | 13.3 | 9.7 |
| Provider of Natural Gas (more than one may apply) | | | | | | | | | |
| Local Utility | | | | | | | | | |
| Some Other Provider | 30.2 | 8.1 | 6.7 | 30.7 | 11.1 | 6.3 | 12.2 | 13.1 | 8.4 |
| | 44.9 | 28.6 | 19.1 | 26.7 | 24.9 | 21.0 | 45.3 | 27.0 | 12.8 |

X=No cases in the responding sample reported their consumption for the particular fuel, so relative standard error could not be calculated.

RSEs for Table C28. Natural Gas Consumption and Conditional Energy Intensity by Census Division for Non-Mall Buildings, 2003: Part 2

| | RSEs for Total Natural Gas Consumption | | | RSEs for Total Floorspace of Buildings Using Natural Gas | | | RSEs for Natural Gas Energy Intensity | | |
|--|--|-------------------|--------------------------|--|-------------------|--------------------------|---------------------------------------|-------------------|--------------------------|
| | West North Central | South Atlantic | East South Central | West North Central | South Atlantic | East South Central | West North Central | South Atlantic | East South Central |
| All Buildings* | 22.1 | 24.7 | 16.5 | 16.8 | 16.3 | 9.4 | 12.5 | 15.1 | 13.6 |
| Building Floorspace (Square Feet) | | | | | | | | | |
| 1,001 to 5,000 | 14.2 | 32.4 | 49.1 | 10.9 | 24.2 | 39.1 | 11.4 | 19.6 | 20.0 |
| 5,001 to 10,000 | 22.7 | 31.3 | 36.8 | 29.5 | 20.0 | 40.6 | 30.7 | 25.5 | 9.4 |
| 10,001 to 25,000 | 30.7 | 30.0 | 55.5 | 19.7 | 29.1 | 14.6 | 18.1 | 23.5 | 51.4 |
| 25,001 to 50,000 | 40.0 | 26.4 | 20.4 | 21.0 | 24.0 | 27.3 | 26.3 | 13.9 | 50.1 |
| 50,001 to 100,000 | 27.3 | 17.4 | 21.4 | 30.8 | 17.1 | 24.3 | 16.9 | 20.1 | 7.8 |
| 100,001 to 200,000 | 29.0 | 68.9 | 50.9 | 21.6 | 49.9 | 48.2 | 8.7 | 42.2 | 13.4 |
| 200,001 to 500,000 | 41.0 | 32.4 | 39.8 | 52.4 | 28.9 | 35.1 | 30.6 | 15.9 | 41.7 |
| Over 500,000 | 72.6 | 47.0 | 52.3 | 24.2 | 52.4 | 46.4 | 58.3 | 44.9 | 9.4 |
| Principal Building Activity | | | | | | | | | |
| Education | 43.7 | 15.1 | 46.2 | 37.8 | 21.2 | 48.9 | 13.8 | 21.6 | 12.9 |
| Food Sales | 56.4 | 62.3 | 100.1 | 55.8 | 48.4 | 100.1 | 15.7 | 48.9 | 0.0 |
| Food Service | 32.3 | 36.7 | 36.4 | 34.5 | 29.5 | 12.5 | 19.9 | 27.0 | 32.9 |
| Health Care | 46.6 | 53.5 | 32.8 | 13.9 | 45.6 | 28.2 | 37.0 | 19.7 | 8.3 |
| Inpatient | 51.3 | 56.1 | 24.4 | 28.2 | 53.6 | 22.1 | 30.7 | 10.6 | 5.5 |
| Outpatient | 35.5 | 54.1 | 98.5 | 13.5 | 48.6 | 43.7 | 44.6 | 52.2 | 41.7 |
| Lodging | 16.3 | 33.9 | 28.4 | 20.0 | 38.7 | 28.0 | 13.6 | 26.0 | 19.6 |
| Retail (Other Than Mall)..... | 55.5 | 38.1 | 15.5 | 45.0 | 36.1 | 25.4 | 21.0 | 23.0 | 18.0 |
| Office | 29.4 | 23.1 | 54.3 | 18.7 | 20.8 | 43.7 | 12.4 | 22.7 | 12.5 |
| Public Assembly | 47.2 | 39.3 | 88.5 | 30.2 | 19.0 | 78.9 | 27.5 | 29.4 | 13.6 |
| Public Order and Safety | 9.2 | 87.3 | 79.0 | 9.4 | 61.0 | 28.0 | 1.9 | 114.4 | 71.6 |
| Religious Worship | 36.5 | 56.5 | 39.8 | 35.1 | 42.3 | 43.0 | 5.7 | 39.0 | 4.3 |
| Service | 27.0 | 45.9 | 68.3 | 37.2 | 47.8 | 57.7 | 33.0 | 43.2 | 11.9 |
| Warehouse and Storage | 53.3 | 40.2 | 78.0 | 34.6 | 45.1 | 59.8 | 46.0 | 37.7 | 49.1 |
| Other | 88.1 | 98.4 | 93.5 | 89.5 | 88.5 | 70.1 | 15.0 | 85.6 | 50.4 |
| Vacant | 89.9 | 101.3 | X | 70.2 | 80.4 | X | 76.5 | 24.2 | X |
| Year Constructed | | | | | | | | | |
| Before 1920 | 24.4 | 76.7 | 100.3 | 24.3 | 75.8 | 100.3 | 9.2 | 27.7 | 0.3 |
| 1920 to 1945 | 59.0 | 40.5 | 39.3 | 41.5 | 33.9 | 35.0 | 36.0 | 34.7 | 14.7 |
| 1946 to 1959 | 43.9 | 72.4 | 49.2 | 36.4 | 44.6 | 56.7 | 13.6 | 55.8 | 37.5 |
| 1960 to 1969 | 29.2 | 28.0 | 22.5 | 22.0 | 23.7 | 37.5 | 19.5 | 20.0 | 24.9 |
| 1970 to 1979 | 24.1 | 25.7 | 17.5 | 22.3 | 26.7 | 15.7 | 17.8 | 21.1 | 29.2 |
| 1980 to 1989 | 26.8 | 25.4 | 60.3 | 29.7 | 21.5 | 18.8 | 18.5 | 15.0 | 37.3 |
| 1990 to 1999 | 17.0 | 29.0 | 22.7 | 13.6 | 19.8 | 37.1 | 14.0 | 22.3 | 13.9 |
| 2000 to 2003 | 32.1 | 34.2 | 61.1 | 25.4 | 25.6 | 27.8 | 18.5 | 23.0 | 57.1 |
| Climate Zone: 30-Year Average | | | | | | | | | |
| Under 2,000 CDD and -- | | | | | | | | | |
| More than 7,000 HDD | 23.5 | 0.0 | 0.0 | 24.2 | 0.0 | 0.0 | 5.1 | 0.0 | 0.0 |
| 5,500-7,000 HDD | 32.9 | 0.0 | 0.0 | 57.7 | 0.0 | 0.0 | 63.3 | 0.0 | 0.0 |
| 4,000-5,499 HDD | 49.4 | 31.7 | 70.5 | 24.7 | 39.2 | 72.8 | 34.6 | 20.6 | 70.7 |
| Fewer than 4,000 HDD | 0.0 | 40.9 | 61.1 | 0.0 | 28.1 | 63.0 | 0.0 | 22.9 | 5.9 |
| 2,000 CDD or More and -- | | | | | | | | | |
| Fewer than 4,000 HDD | 0.0 | 66.1 | 91.9 | 0.0 | 53.6 | 93.6 | 0.0 | 41.1 | 1.5 |
| Number of Floors | | | | | | | | | |
| One | 18.3 | 27.8 | 38.4 | 18.2 | 22.3 | 26.2 | 7.4 | 13.8 | 14.6 |
| Two | 27.2 | 27.2 | 40.9 | 17.1 | 20.8 | 21.3 | 20.3 | 21.6 | 41.4 |
| Three | 33.7 | 69.4 | 25.6 | 31.0 | 38.8 | 14.0 | 5.0 | 54.4 | 14.0 |
| Four to Nine | 33.2 | 35.7 | 34.5 | 28.1 | 43.7 | 35.6 | 19.4 | 23.3 | 13.3 |
| Ten or More | 69.8 | 49.4 | 13.3 | 37.7 | 47.0 | 29.2 | 60.5 | 28.4 | 20.4 |

RSEs for Table C28. Natural Gas Consumption and Conditional Energy Intensity by Census Division for Non-Mall Buildings, 2003: Part 2

| | RSEs for Total Natural Gas Consumption | | | RSEs for Total Floorspace of Buildings Using Natural Gas | | | RSEs for Natural Gas Energy Intensity | | |
|---|--|-------------------|--------------------------|--|-------------------|--------------------------|---------------------------------------|-------------------|--------------------------|
| | West North Central | South Atlantic | East South Central | West North Central | South Atlantic | East South Central | West North Central | South Atlantic | East South Central |
| All Buildings* | 22.1 | 24.7 | 16.5 | 16.8 | 16.3 | 9.4 | 12.5 | 15.1 | 13.6 |
| Number of Workers (main shift) | | | | | | | | | |
| Fewer than 5 | 25.3 | 29.7 | 51.7 | 24.8 | 31.2 | 40.6 | 7.9 | 27.7 | 17.8 |
| 5 to 9 | 26.4 | 27.4 | 40.7 | 21.2 | 25.3 | 23.6 | 16.5 | 19.4 | 39.9 |
| 10 to 19 | 24.1 | 35.9 | 41.1 | 34.3 | 28.2 | 38.4 | 23.6 | 31.6 | 24.7 |
| 20 to 49 | 43.9 | 34.8 | 46.8 | 23.9 | 35.9 | 14.3 | 30.9 | 16.0 | 35.7 |
| 50 to 99 | 27.4 | 34.4 | 45.6 | 30.3 | 23.7 | 33.0 | 11.8 | 21.7 | 35.2 |
| 100 to 249 | 30.0 | 55.0 | 34.8 | 31.0 | 32.5 | 27.9 | 15.6 | 38.0 | 15.7 |
| 250 or More | 39.9 | 35.3 | 23.0 | 25.3 | 39.9 | 42.5 | 54.3 | 29.6 | 14.5 |
| Weekly Operating Hours | | | | | | | | | |
| Fewer than 40 | 34.1 | 37.0 | 50.0 | 25.0 | 32.7 | 22.3 | 20.2 | 37.6 | 31.1 |
| 40 to 48 | 31.8 | 25.4 | 30.4 | 17.6 | 25.0 | 8.9 | 28.9 | 23.6 | 21.6 |
| 49 to 60 | 35.8 | 19.5 | 79.3 | 21.0 | 18.0 | 25.1 | 22.8 | 6.9 | 51.4 |
| 61 to 84 | 33.1 | 25.5 | 36.8 | 31.7 | 35.1 | 21.0 | 10.4 | 22.8 | 30.0 |
| 85 to 167 | 30.2 | 22.5 | 53.1 | 34.7 | 23.4 | 42.9 | 16.4 | 37.0 | 62.6 |
| Open Continuously | 20.9 | 38.6 | 8.3 | 15.5 | 29.5 | 11.4 | 18.4 | 26.2 | 7.7 |
| Ownership and Occupancy | | | | | | | | | |
| Nongovernment Owned | 22.4 | 26.9 | 25.0 | 16.4 | 20.1 | 13.4 | 11.5 | 15.3 | 18.5 |
| Owner Occupied | 30.0 | 37.8 | 15.3 | 19.2 | 16.8 | 12.2 | 17.4 | 29.9 | 5.5 |
| Nonowner Occupied | 19.8 | 24.2 | 30.7 | 18.0 | 28.6 | 20.2 | 12.6 | 25.5 | 30.9 |
| Unoccupied | 80.7 | X | X | 94.9 | X | X | 81.5 | X | X |
| Government Owned | 24.9 | 22.6 | 16.7 | 24.0 | 16.2 | 18.0 | 15.9 | 17.8 | 13.7 |
| Federal | 100.2 | 48.5 | 45.2 | 100.2 | 52.1 | 40.1 | 1.3 | 14.4 | 82.3 |
| State | 54.6 | 55.1 | 37.1 | 54.1 | 47.4 | 26.0 | 97.7 | 10.6 | 16.4 |
| Local | 39.7 | 30.7 | 30.4 | 37.6 | 27.8 | 18.1 | 18.1 | 23.9 | 34.9 |
| Vacancy Status | | | | | | | | | |
| Completely Vacant | 99.5 | 100.1 | X | 76.0 | 100.1 | X | 101.5 | 0.0 | X |
| Mostly Vacant | 97.8 | 101.3 | 0.0 | 97.8 | 101.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partially Vacant | 34.2 | 45.6 | 15.7 | 32.9 | 35.3 | 24.8 | 16.0 | 21.0 | 23.1 |
| Not At All Vacant | 22.0 | 26.9 | 18.4 | 15.3 | 16.9 | 13.9 | 14.2 | 15.9 | 16.6 |
| Number of Establishments | | | | | | | | | |
| One | 26.3 | 29.0 | 19.4 | 18.7 | 19.9 | 15.9 | 16.6 | 15.7 | 15.6 |
| 2 to 5 | 36.1 | 33.4 | 55.2 | 23.4 | 26.2 | 26.0 | 20.0 | 22.5 | 28.9 |
| 6 to 10 | 19.8 | 98.6 | 100.1 | 28.4 | 98.6 | 100.1 | 33.8 | 0.0 | 0.0 |
| 11 to 20 | 19.1 | 67.8 | 81.7 | 5.8 | 63.2 | 17.0 | 14.6 | 50.8 | 58.6 |
| More than 20 | 93.4 | 63.0 | 100.0 | 62.8 | 49.8 | 100.0 | 91.0 | 49.5 | 2.3 |
| Currently Unoccupied | 99.5 | 100.1 | X | 76.0 | 100.1 | X | 101.5 | 0.0 | X |
| Predominant Exterior Wall Material | | | | | | | | | |
| Brick, Stone or Stucco | 24.8 | 15.1 | 7.6 | 22.8 | 16.1 | 7.2 | 9.6 | 7.1 | 9.9 |
| Concrete (Block or Poured) | 42.2 | 65.2 | 58.3 | 31.9 | 40.9 | 30.9 | 27.4 | 59.5 | 32.9 |
| Concrete Panels | 10.8 | 60.6 | 64.3 | 24.1 | 53.0 | 48.8 | 20.0 | 24.3 | 15.0 |
| Siding or Shingles | 9.6 | 40.3 | 67.8 | 15.6 | 34.2 | 60.6 | 17.8 | 46.9 | 56.3 |
| Metal Panels | 30.7 | 44.4 | 63.7 | 24.5 | 25.1 | 46.7 | 15.2 | 44.9 | 45.5 |
| Window Glass | 100.7 | 49.9 | 0.0 | 100.7 | 41.1 | 0.0 | 0.0 | 40.5 | 0.0 |
| Other | 100.2 | 80.5 | 92.0 | 100.2 | 73.2 | 62.7 | 0.0 | 11.0 | 82.6 |
| No One Major Type | 100.0 | X | 0.0 | 100.0 | X | 0.0 | 0.0 | X | 0.0 |

RSEs for Table C28. Natural Gas Consumption and Conditional Energy Intensity by Census Division for Non-Mall Buildings, 2003: Part 2

| | RSEs for Total Natural Gas Consumption | | | RSEs for Total Floorspace of Buildings Using Natural Gas | | | RSEs for Natural Gas Energy Intensity | | |
|---|--|-------------------|--------------------------|--|-------------------|--------------------------|---------------------------------------|-------------------|--------------------------|
| | West North Central | South Atlantic | East South Central | West North Central | South Atlantic | East South Central | West North Central | South Atlantic | East South Central |
| All Buildings* | 22.1 | 24.7 | 16.5 | 16.8 | 16.3 | 9.4 | 12.5 | 15.1 | 13.6 |
| Predominant Roof Material | | | | | | | | | |
| Built-Up | 36.3 | 42.9 | 40.0 | 20.3 | 29.3 | 19.4 | 26.1 | 22.2 | 30.1 |
| Shingles (Not Wood) | 28.5 | 27.8 | 14.1 | 23.9 | 21.6 | 30.9 | 26.7 | 22.3 | 15.9 |
| Metal Surfacing | 20.5 | 29.1 | 44.1 | 14.7 | 20.5 | 46.5 | 7.5 | 34.4 | 9.8 |
| Synthetic or Rubber | 27.5 | 19.3 | 35.4 | 27.9 | 19.8 | 21.3 | 20.3 | 13.1 | 32.4 |
| Slate or Tile | 71.0 | 59.6 | 30.3 | 74.7 | 32.0 | 39.4 | 17.2 | 41.4 | 23.5 |
| Wooden Materials | 76.7 | 73.1 | 93.1 | 78.5 | 89.5 | 93.1 | 12.3 | 460.8 | 0.0 |
| Concrete | 67.3 | 60.3 | 0.0 | 72.7 | 63.6 | 0.0 | 37.6 | 82.8 | 0.0 |
| Other | 0.0 | 103.4 | 0.0 | 0.0 | 103.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| No One Major Type | 0.0 | 98.0 | 0.0 | 0.0 | 72.9 | 0.0 | 0.0 | 97.3 | 0.0 |
| Renovations in Buildings Constructed Before 1980 (more than one may apply) | | | | | | | | | |
| Any Type of Renovation | | | | | | | | | |
| Since 1980 | 33.7 | 44.8 | 13.4 | 21.5 | 25.1 | 10.4 | 19.5 | 27.0 | 14.3 |
| Addition or Annex | 50.7 | 63.8 | 25.8 | 30.7 | 53.7 | 15.9 | 33.5 | 25.6 | 26.4 |
| Reduction In Floorspace | 89.2 | 91.4 | 100.2 | 84.6 | 73.6 | 100.1 | 30.3 | 72.6 | 2.1 |
| Cosmetic Improvements | 21.1 | 25.4 | 16.0 | 19.1 | 18.8 | 14.0 | 5.2 | 15.5 | 14.2 |
| Wall or Roof Replacement | 28.4 | 32.7 | 41.7 | 28.8 | 21.6 | 34.5 | 14.7 | 20.5 | 12.8 |
| Interior Wall | | | | | | | | | |
| Re-Configuration | 22.9 | 30.5 | 38.5 | 20.3 | 17.2 | 29.1 | 12.6 | 21.4 | 15.7 |
| HVAC Equipment Upgrade | 39.5 | 50.7 | 30.0 | 24.6 | 30.8 | 23.0 | 29.0 | 29.9 | 13.4 |
| Lighting Upgrade | 21.7 | 33.9 | 24.5 | 25.2 | 29.6 | 14.5 | 10.4 | 20.8 | 13.1 |
| Window Replacement | 24.5 | 56.6 | 33.2 | 15.4 | 39.4 | 46.6 | 11.8 | 45.6 | 38.6 |
| Plumbing System Upgrade | 30.6 | 30.0 | 37.2 | 33.8 | 29.7 | 21.9 | 11.7 | 20.5 | 14.3 |
| Insulation Upgrade | 21.7 | 66.1 | 39.2 | 18.0 | 52.8 | 25.6 | 7.6 | 52.1 | 21.9 |
| Other Renovation | 0.0 | 100.1 | 76.4 | 0.0 | 100.1 | 70.7 | 0.0 | 0.0 | 71.6 |
| No Renovations Since 1980 | 30.2 | 39.9 | 18.0 | 24.8 | 40.4 | 8.8 | 15.6 | 13.4 | 18.7 |
| Building Newer than 1980 | 18.0 | 22.8 | 28.1 | 14.5 | 14.9 | 22.0 | 13.8 | 16.8 | 18.4 |
| Energy Sources (more than one may apply) | | | | | | | | | |
| Electricity | 20.9 | 16.3 | 19.0 | 15.4 | 14.4 | 5.6 | 13.1 | 13.0 | 14.1 |
| Natural Gas | 22.1 | 24.7 | 16.5 | 16.8 | 16.3 | 9.4 | 12.5 | 15.1 | 13.6 |
| Fuel Oil | 20.7 | 40.6 | 14.1 | 20.6 | 28.2 | 6.7 | 22.4 | 27.6 | 13.0 |
| District Heat | 58.6 | 53.2 | 75.1 | 66.9 | 44.9 | 74.0 | 45.3 | 65.8 | 3.6 |
| District Chilled Water | 78.2 | 48.7 | 63.5 | 71.3 | 38.1 | 66.7 | 69.2 | 52.6 | 10.2 |
| Propane | 26.2 | 80.9 | 65.9 | 38.9 | 70.6 | 58.6 | 38.4 | 36.3 | 18.8 |
| Other | 64.1 | 55.9 | 62.1 | 63.8 | 33.6 | 28.4 | 22.5 | 23.0 | 51.2 |
| Space-Heating Energy Sources | | | | | | | | | |
| Natural Gas | 21.7 | 27.0 | 16.1 | 15.6 | 20.2 | 11.1 | 12.6 | 15.6 | 14.2 |
| Natural Gas Main | 23.3 | 28.8 | 19.0 | 16.7 | 21.9 | 9.0 | 13.8 | 16.4 | 12.8 |
| Natural Gas Secondary | 8.9 | 23.6 | 53.4 | 24.8 | 16.7 | 38.3 | 31.8 | 20.4 | 24.6 |
| Other Excluding Natural Gas | 57.2 | 34.0 | 54.8 | 60.9 | 26.6 | 14.2 | 29.2 | 25.3 | 65.6 |
| Buildings without Heating | 100.0 | 75.1 | 97.3 | 100.0 | 70.5 | 97.3 | 0.0 | 70.0 | 0.0 |
| Primary Space-Heating Energy Source | | | | | | | | | |
| Electricity | 11.3 | 30.1 | 40.0 | 22.0 | 22.3 | 30.6 | 27.1 | 21.6 | 24.4 |
| Natural Gas | 23.3 | 28.8 | 19.0 | 16.7 | 21.9 | 9.0 | 13.8 | 16.4 | 12.8 |
| Fuel Oil | X | 23.9 | 0.0 | X | 21.4 | 0.0 | X | 51.3 | 0.0 |
| District Heat | 74.9 | 59.3 | 93.6 | 73.2 | 44.6 | 93.6 | 105.4 | 72.6 | 0.0 |
| Propane | 0.0 | X | 0.0 | 0.0 | X | 0.0 | 0.0 | X | 0.0 |
| Other | 100.1 | 100.8 | 0.0 | 100.1 | 100.8 | 0.0 | 0.0 | 0.0 | 0.0 |

RSEs for Table C28. Natural Gas Consumption and Conditional Energy Intensity by Census Division for Non-Mall Buildings, 2003: Part 2

| | RSEs for Total Natural Gas Consumption | | | RSEs for Total Floorspace of Buildings Using Natural Gas | | | RSEs for Natural Gas Energy Intensity | | |
|--|--|-------------------|--------------------------|--|-------------------|--------------------------|---------------------------------------|-------------------|--------------------------|
| | West North Central | South Atlantic | East South Central | West North Central | South Atlantic | East South Central | West North Central | South Atlantic | East South Central |
| All Buildings* | 22.1 | 24.7 | 16.5 | 16.8 | 16.3 | 9.4 | 12.5 | 15.1 | 13.6 |
| Cooling Energy Sources | | | | | | | | | |
| Natural Gas | 53.5 | 53.9 | 100.0 | 54.6 | 48.3 | 100.0 | 60.5 | 65.5 | 0.0 |
| Other Excluding Natural Gas | 24.7 | 24.7 | 16.7 | 17.2 | 16.8 | 9.2 | 12.8 | 14.3 | 13.8 |
| Buildings without Cooling | 44.3 | 46.2 | 86.0 | 30.5 | 40.6 | 80.8 | 35.4 | 32.8 | 32.3 |
| Water-Heating Energy Sources | | | | | | | | | |
| Natural Gas | 27.2 | 27.9 | 19.6 | 19.5 | 18.4 | 9.7 | 14.4 | 18.7 | 15.8 |
| Other Excluding Natural Gas | 11.5 | 22.1 | 11.8 | 19.9 | 20.0 | 10.1 | 26.1 | 18.3 | 8.8 |
| Bldgs without Water Heating | 52.3 | 35.9 | 27.6 | 29.0 | 34.9 | 19.4 | 39.7 | 30.8 | 20.5 |
| Cooking Energy Sources | | | | | | | | | |
| Natural Gas | 23.9 | 29.5 | 9.4 | 25.3 | 16.9 | 18.0 | 17.8 | 22.2 | 11.3 |
| Other Excluding Natural Gas | 41.5 | 37.6 | 32.4 | 38.0 | 41.8 | 17.3 | 26.8 | 17.5 | 22.7 |
| Buildings without Cooking | 26.5 | 25.3 | 32.6 | 15.9 | 26.0 | 13.1 | 15.7 | 11.3 | 28.9 |
| Energy End Uses (more than one may apply) | | | | | | | | | |
| Buildings with Space Heating | 22.1 | 24.8 | 16.5 | 16.7 | 16.2 | 10.4 | 12.6 | 15.2 | 14.1 |
| Buildings with Cooling | 23.7 | 24.8 | 16.5 | 17.0 | 16.7 | 8.9 | 12.6 | 15.1 | 13.8 |
| Buildings with Water Heating | 22.0 | 24.8 | 16.6 | 16.7 | 15.8 | 9.6 | 11.9 | 16.2 | 13.8 |
| Buildings with Cooking | 25.0 | 27.5 | 9.0 | 25.3 | 17.4 | 16.9 | 16.8 | 23.2 | 10.5 |
| Buildings with Manufacturing | 66.8 | 54.7 | 47.2 | 32.8 | 26.3 | 50.8 | 57.9 | 43.3 | 7.4 |
| Buildings with Electricity Generation | 20.2 | 33.3 | 15.0 | 26.6 | 19.4 | 15.5 | 23.0 | 25.0 | 5.5 |
| Percent of Floorspace Heated | | | | | | | | | |
| Not Heated | 100.0 | 75.1 | 97.3 | 100.0 | 70.5 | 97.3 | 0.0 | 70.0 | 0.0 |
| 1 to 50 | 38.6 | 39.4 | 84.2 | 26.0 | 22.5 | 76.7 | 39.0 | 41.0 | 30.3 |
| 51 to 99 | 29.0 | 20.2 | 29.2 | 28.5 | 22.4 | 34.1 | 27.5 | 19.5 | 11.3 |
| 100 | 22.8 | 27.5 | 22.8 | 18.2 | 19.4 | 20.2 | 12.1 | 13.5 | 17.4 |
| Percent of Floorspace Cooled | | | | | | | | | |
| Not Cooled | 44.3 | 46.2 | 86.0 | 30.5 | 40.6 | 80.8 | 35.4 | 32.8 | 32.3 |
| 1 to 50 | 47.5 | 35.0 | 25.3 | 35.5 | 40.2 | 33.3 | 31.3 | 30.5 | 16.8 |
| 51 to 99 | 18.1 | 15.6 | 11.2 | 22.6 | 11.9 | 23.9 | 16.4 | 15.9 | 14.2 |
| 100 | 20.4 | 27.7 | 22.9 | 16.6 | 15.5 | 15.5 | 8.9 | 24.3 | 18.1 |
| Heating Equipment (more than one may apply) | | | | | | | | | |
| Heat Pumps | 35.8 | 42.2 | 31.2 | 39.9 | 24.2 | 29.3 | 8.0 | 35.8 | 19.5 |
| Packaged Heat Pumps | 50.2 | 61.9 | 41.0 | 51.0 | 37.8 | 36.2 | 11.0 | 58.3 | 21.6 |
| Split-System Heat Pumps | 76.1 | 31.0 | 45.1 | 70.8 | 33.7 | 55.0 | 50.4 | 35.1 | 12.2 |
| Individual Room Heat Pumps | 102.7 | 37.6 | 40.0 | 102.5 | 30.7 | 38.6 | 1.5 | 28.2 | 12.0 |
| Furnaces | 25.0 | 48.0 | 4.3 | 15.6 | 33.9 | 14.1 | 17.0 | 24.1 | 11.9 |
| Individual Space Heaters | 33.7 | 22.8 | 31.9 | 24.5 | 18.1 | 19.5 | 21.8 | 17.1 | 33.2 |
| District Heat | 66.2 | 53.2 | 75.1 | 62.2 | 44.9 | 74.0 | 83.4 | 65.8 | 3.6 |
| Boilers | 21.6 | 30.7 | 31.9 | 20.7 | 31.7 | 15.6 | 10.8 | 27.0 | 15.9 |
| Packaged Heating Units | 17.2 | 38.2 | 15.4 | 17.7 | 19.4 | 18.1 | 12.7 | 30.5 | 7.9 |
| Other | 54.2 | 35.8 | 84.2 | 44.9 | 51.0 | 78.9 | 17.0 | 51.3 | 10.2 |

RSEs for Table C28. Natural Gas Consumption and Conditional Energy Intensity by Census Division for Non-Mall Buildings, 2003: Part 2

| | RSEs for Total Natural Gas Consumption | | | RSEs for Total Floorspace of Buildings Using Natural Gas | | | RSEs for Natural Gas Energy Intensity | | |
|--|--|-------------------|--------------------------|--|-------------------|--------------------------|---------------------------------------|-------------------|--------------------------|
| | West North Central | South Atlantic | East South Central | West North Central | South Atlantic | East South Central | West North Central | South Atlantic | East South Central |
| All Buildings* | 22.1 | 24.7 | 16.5 | 16.8 | 16.3 | 9.4 | 12.5 | 15.1 | 13.6 |
| Cooling Equipment (more than one may apply) | | | | | | | | | |
| Residential-Type Central | | | | | | | | | |
| Air Conditioners | 30.2 | 44.3 | 20.4 | 15.0 | 33.5 | 16.3 | 21.6 | 39.6 | 15.4 |
| Heat Pumps | 29.5 | 42.5 | 30.3 | 30.4 | 26.1 | 29.3 | 5.8 | 34.6 | 13.7 |
| Packaged Heat Pumps | 47.1 | 62.8 | 41.1 | 47.1 | 41.8 | 40.7 | 10.0 | 57.6 | 27.3 |
| Split-System Heat Pumps | 61.6 | 31.1 | 57.1 | 62.1 | 34.0 | 59.7 | 30.5 | 33.7 | 10.1 |
| Individual Room Heat Pumps | 102.7 | 37.8 | 40.0 | 102.5 | 30.5 | 38.6 | 1.5 | 28.1 | 12.0 |
| Individual Air Conditioners | 22.8 | 49.8 | 26.4 | 28.8 | 32.6 | 14.3 | 8.7 | 42.2 | 22.1 |
| District Chilled Water | 78.2 | 48.7 | 63.5 | 71.3 | 38.1 | 66.7 | 69.2 | 52.6 | 10.2 |
| Central Chillers | 30.4 | 28.8 | 22.5 | 22.9 | 32.7 | 24.7 | 27.6 | 18.8 | 2.1 |
| Packaged Air Conditioning | | | | | | | | | |
| Units | 17.5 | 30.7 | 20.5 | 18.0 | 22.8 | 8.0 | 6.6 | 15.9 | 25.0 |
| Swamp Coolers | 0.0 | 80.0 | X | 0.0 | 74.4 | X | 0.0 | 37.9 | X |
| Other | 96.7 | 98.4 | 100.0 | 96.7 | 86.4 | 100.0 | 0.0 | 87.7 | 0.0 |
| Main Equipment Replaced Since 1990 (more than one may apply) | | | | | | | | | |
| Heating | 36.8 | 25.7 | 38.3 | 20.4 | 24.4 | 11.3 | 25.8 | 9.3 | 52.2 |
| Cooling | 33.1 | 23.3 | 30.1 | 22.3 | 25.6 | 12.0 | 20.7 | 11.8 | 40.6 |
| Water Heating Equipment | | | | | | | | | |
| Centralized System | 14.9 | 19.2 | 11.7 | 16.2 | 17.3 | 11.8 | 11.3 | 10.9 | 6.1 |
| Distributed System | 35.5 | 28.3 | 12.5 | 20.3 | 25.1 | 15.2 | 21.6 | 22.6 | 30.6 |
| Combination of Centralized and Distributed System | 32.5 | 45.6 | 52.6 | 22.7 | 13.9 | 11.7 | 27.9 | 38.9 | 41.9 |
| Energy-Related Space Functions (more than one may apply) | | | | | | | | | |
| Commercial Food Preparation | 25.0 | 27.5 | 9.0 | 25.3 | 17.4 | 16.9 | 16.8 | 23.2 | 10.5 |
| Activities with Large Amounts of Hot Water | 30.4 | 28.5 | 9.4 | 23.9 | 17.6 | 12.6 | 18.1 | 22.5 | 10.2 |
| Separate Computer Area | 17.3 | 21.6 | 8.7 | 17.6 | 19.0 | 7.3 | 9.1 | 11.5 | 8.3 |
| HVAC Conservation Features (more than one may apply) | | | | | | | | | |
| Variable Air-Volume System | 28.9 | 18.4 | 37.0 | 29.0 | 19.5 | 18.9 | 14.4 | 12.4 | 20.3 |
| Economizer Cycle | 24.7 | 14.7 | 16.8 | 18.5 | 17.7 | 18.7 | 15.2 | 12.8 | 8.5 |
| HVAC Maintenance | 15.8 | 25.1 | 19.8 | 18.4 | 17.0 | 8.7 | 10.5 | 16.1 | 17.0 |
| Energy Management and Control System (EMCS) | 17.3 | 16.8 | 34.1 | 27.1 | 17.1 | 27.3 | 24.8 | 13.9 | 12.6 |
| Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^a | | | | | | | | | |
| Heating | 26.7 | 16.1 | 21.5 | 22.1 | 14.9 | 19.2 | 17.9 | 9.2 | 16.5 |
| Cooling | 27.4 | 16.8 | 20.9 | 19.4 | 16.1 | 19.2 | 17.7 | 8.9 | 15.7 |
| Lighting | 24.9 | 18.0 | 31.6 | 18.4 | 15.4 | 11.5 | 14.5 | 11.5 | 24.1 |
| Office Equipment | 34.2 | 26.3 | 15.4 | 17.6 | 27.2 | 23.6 | 25.5 | 23.1 | 10.2 |

RSEs for Table C28. Natural Gas Consumption and Conditional Energy Intensity by Census Division for Non-Mall Buildings, 2003: Part 2

| | RSEs for Total Natural Gas Consumption | | | RSEs for Total Floorspace of Buildings Using Natural Gas | | | RSEs for Natural Gas Energy Intensity | | |
|--|--|-------------------|--------------------------|--|-------------------|--------------------------|---------------------------------------|-------------------|--------------------------|
| | West North Central | South Atlantic | East South Central | West North Central | South Atlantic | East South Central | West North Central | South Atlantic | East South Central |
| All Buildings* | 22.1 | 24.7 | 16.5 | 16.8 | 16.3 | 9.4 | 12.5 | 15.1 | 13.6 |
| Annual Consumption (hundred cubic feet) | | | | | | | | | |
| 1,000 or Less | 17.7 | 27.4 | 44.0 | 4.9 | 32.4 | 33.6 | 14.7 | 13.1 | 38.0 |
| 1,001 to 5,000 | 21.5 | 25.1 | 33.2 | 27.5 | 25.1 | 30.2 | 13.0 | 12.8 | 11.7 |
| 5,001 to 10,000 | 19.3 | 22.3 | 22.6 | 22.9 | 27.5 | 28.9 | 9.5 | 19.9 | 13.1 |
| 10,001 to 25,000 | 28.8 | 22.4 | 37.2 | 23.7 | 17.7 | 17.6 | 7.3 | 11.9 | 25.0 |
| 25,001 to 50,000 | 17.7 | 33.1 | 18.1 | 17.1 | 19.0 | 17.4 | 10.5 | 30.0 | 9.2 |
| 50,001 to 100,000 | 57.0 | 53.1 | 63.2 | 39.1 | 50.2 | 51.2 | 46.2 | 24.3 | 73.5 |
| Over 100,000 | 21.3 | 44.9 | 22.7 | 18.5 | 40.4 | 21.3 | 22.9 | 33.4 | 3.3 |
| Provider of Natural Gas (more than one may apply) | | | | | | | | | |
| Local Utility | 23.6 | 27.1 | 20.6 | 18.3 | 17.1 | 9.6 | 11.8 | 17.6 | 15.9 |
| Some Other Provider | 33.3 | 34.0 | 80.2 | 43.7 | 50.2 | 83.6 | 19.0 | 36.9 | 22.5 |
| | 22.0 | 27.0 | Q | 307.0 | Q | Q | 71.8 | 31.4 | Q |

X=No cases in the responding sample reported their consumption for the particular fuel, so relative standard error could not be calculated.

RSEs for Table C29. Natural Gas Consumption and Conditional Energy Intensity by Census Division for Non-Mall Buildings, 2003: Part 3

| | RSEs for Total Natural Gas Consumption | | | RSEs for Total Floorspace of Buildings Using Natural Gas | | | RSEs for Natural Gas Energy Intensity | | |
|--|--|---------|---------|--|---------|---------|---------------------------------------|---------|---------|
| | West | South | Central | West | South | Central | West | South | Central |
| | Mountain | Pacific | | Mountain | Pacific | | Mountain | Pacific | |
| All Buildings* | 14.9 | 22.1 | 16.2 | 17.1 | 14.7 | 9.1 | 12.1 | 9.3 | 10.3 |
| Building Floorspace (Square Feet) | | | | | | | | | |
| 1,001 to 5,000 | 23.7 | 30.5 | 53.2 | 26.6 | 27.1 | 26.5 | 29.9 | 29.3 | 41.3 |
| 5,001 to 10,000 | 23.8 | 59.1 | 58.8 | 25.3 | 46.0 | 21.9 | 33.7 | 11.9 | 42.9 |
| 10,001 to 25,000 | 35.5 | 29.7 | 17.8 | 17.3 | 20.1 | 14.2 | 31.9 | 10.6 | 17.4 |
| 25,001 to 50,000 | 28.2 | 36.9 | 21.1 | 14.5 | 23.9 | 21.7 | 21.6 | 13.1 | 16.3 |
| 50,001 to 100,000 | 25.2 | 50.0 | 37.5 | 21.1 | 35.6 | 32.1 | 14.2 | 24.2 | 24.2 |
| 100,001 to 200,000 | 21.4 | 24.8 | 27.1 | 32.1 | 21.0 | 23.9 | 28.8 | 25.5 | 36.7 |
| 200,001 to 500,000 | 62.2 | 42.6 | 16.0 | 18.0 | 48.8 | 32.0 | 53.6 | 52.9 | 41.1 |
| Over 500,000 | 43.4 | 69.0 | 43.7 | 70.3 | 58.3 | 39.1 | 26.9 | 43.3 | 21.4 |
| Principal Building Activity | | | | | | | | | |
| Education | 32.0 | 37.3 | 33.1 | 29.1 | 30.7 | 12.0 | 14.2 | 8.8 | 34.9 |
| Food Sales | 64.5 | 62.0 | 87.0 | 56.1 | 63.8 | 60.6 | 32.7 | 54.5 | 38.5 |
| Food Service | 28.4 | 62.7 | 34.5 | 28.7 | 73.2 | 22.8 | 22.0 | 27.8 | 29.2 |
| Health Care | 30.0 | 19.9 | 43.1 | 27.9 | 22.2 | 36.7 | 8.4 | 11.3 | 14.1 |
| Inpatient | 34.4 | 19.9 | 45.0 | 31.2 | 15.6 | 44.1 | 9.1 | 8.7 | 16.6 |
| Outpatient | 98.2 | 50.4 | 49.1 | 82.7 | 47.1 | 29.1 | 20.6 | 22.6 | 26.1 |
| Lodging | 34.9 | 64.3 | 29.9 | 44.1 | 46.2 | 24.1 | 15.6 | 38.3 | 26.2 |
| Retail (Other Than Mall)..... | 39.0 | 27.5 | 20.9 | 15.6 | 42.5 | 28.9 | 32.5 | 16.2 | 22.8 |
| Office | 46.8 | 35.1 | 17.3 | 51.1 | 14.2 | 21.1 | 13.9 | 31.2 | 11.4 |
| Public Assembly | 29.0 | 59.4 | 32.4 | 37.9 | 35.4 | 21.5 | 27.4 | 41.0 | 37.3 |
| Public Order and Safety | 97.7 | 65.2 | 82.1 | 97.7 | 60.8 | 30.3 | 0.0 | 7.2 | 47.0 |
| Religious Worship | 51.9 | 24.6 | 20.7 | 32.8 | 27.5 | 22.9 | 18.9 | 10.5 | 18.6 |
| Service | 61.3 | 36.9 | 74.3 | 54.7 | 56.5 | 80.9 | 21.0 | 13.1 | 71.7 |
| Warehouse and Storage | 63.2 | 71.0 | 51.3 | 36.7 | 56.9 | 46.4 | 45.9 | 58.4 | 36.7 |
| Other | 64.3 | 67.5 | 91.8 | 41.9 | 51.7 | 58.5 | 53.7 | 33.7 | 34.0 |
| Vacant | 95.1 | 86.0 | 64.5 | 66.1 | 73.4 | 50.6 | 49.4 | 135.8 | 48.6 |
| Year Constructed | | | | | | | | | |
| Before 1920 | 78.5 | 61.1 | 56.7 | 76.6 | 47.9 | 40.9 | 8.3 | 11.4 | 39.3 |
| 1920 to 1945 | 44.8 | 27.3 | 49.1 | 35.7 | 44.6 | 33.1 | 29.7 | 26.2 | 45.3 |
| 1946 to 1959 | 19.5 | 69.2 | 34.5 | 22.3 | 47.5 | 25.9 | 16.5 | 36.5 | 15.1 |
| 1960 to 1969 | 36.4 | 35.8 | 22.5 | 38.5 | 25.9 | 20.4 | 18.4 | 20.8 | 16.9 |
| 1970 to 1979 | 27.1 | 22.7 | 48.3 | 25.2 | 32.7 | 34.0 | 22.5 | 13.5 | 48.5 |
| 1980 to 1989 | 29.2 | 48.1 | 27.5 | 33.8 | 33.0 | 22.0 | 26.8 | 28.5 | 16.5 |
| 1990 to 1999 | 23.8 | 27.1 | 39.9 | 22.0 | 31.3 | 27.4 | 24.2 | 20.4 | 31.1 |
| 2000 to 2003 | 52.3 | 45.7 | 47.3 | 44.9 | 39.6 | 30.9 | 9.0 | 65.5 | 26.9 |
| Climate Zone: 30-Year Average | | | | | | | | | |
| Under 2,000 CDD and -- | | | | | | | | | |
| More than 7,000 HDD | 0.0 | 29.0 | 87.8 | 0.0 | 15.4 | 87.5 | 0.0 | 12.1 | 1.7 |
| 5,500-7,000 HDD | 0.0 | 31.6 | 21.7 | 0.0 | 33.4 | 17.9 | 0.0 | 7.2 | 5.0 |
| 4,000-5,499 HDD | 95.5 | 0.0 | 33.4 | 95.8 | 0.0 | 41.7 | 0.6 | 0.0 | 8.3 |
| Fewer than 4,000 HDD | 11.3 | 0.0 | 19.7 | 11.4 | 0.0 | 8.4 | 13.7 | 0.0 | 16.9 |
| 2,000 CDD or More and -- | | | | | | | | | |
| Fewer than 4,000 HDD | 25.3 | 38.1 | 100.1 | 26.0 | 48.4 | 100.1 | 17.2 | 30.9 | 3.5 |
| Number of Floors | | | | | | | | | |
| One | 18.1 | 34.2 | 24.5 | 17.2 | 20.0 | 14.3 | 10.6 | 15.5 | 28.2 |
| Two | 26.4 | 13.7 | 27.3 | 19.6 | 16.9 | 18.6 | 22.8 | 14.7 | 15.6 |
| Three | 34.3 | 16.1 | 23.3 | 25.9 | 24.1 | 23.2 | 22.1 | 13.5 | 17.2 |
| Four to Nine | 31.7 | 60.9 | 33.8 | 23.9 | 32.6 | 32.7 | 19.6 | 31.1 | 33.9 |
| Ten or More | 48.6 | 82.5 | 50.3 | 68.0 | 73.6 | 53.0 | 16.6 | 41.9 | 24.3 |

RSEs for Table C29. Natural Gas Consumption and Conditional Energy Intensity by Census Division for Non-Mall Buildings, 2003: Part 3

| | RSEs for Total Natural Gas Consumption | | | RSEs for Total Floorspace of Buildings Using Natural Gas | | | RSEs for Natural Gas Energy Intensity | | |
|---|--|----------|---------|--|----------|---------|---------------------------------------|----------|---------|
| | West South Central | Mountain | Pacific | West South Central | Mountain | Pacific | West South Central | Mountain | Pacific |
| All Buildings* | 14.9 | 22.1 | 16.2 | 17.1 | 14.7 | 9.1 | 12.1 | 9.3 | 10.3 |
| Number of Workers (main shift) | | | | | | | | | |
| Fewer than 5 | 20.2 | 44.6 | 46.9 | 22.4 | 15.7 | 22.9 | 22.0 | 46.7 | 42.2 |
| 5 to 9 | 44.4 | 37.6 | 48.2 | 27.8 | 31.3 | 24.0 | 30.9 | 13.1 | 40.1 |
| 10 to 19 | 22.9 | 29.5 | 27.6 | 20.7 | 27.4 | 22.6 | 20.6 | 21.8 | 20.8 |
| 20 to 49 | 42.0 | 49.5 | 27.0 | 18.4 | 35.7 | 25.7 | 33.9 | 11.4 | 14.9 |
| 50 to 99 | 27.1 | 42.7 | 23.3 | 25.2 | 30.1 | 25.2 | 21.2 | 29.1 | 13.5 |
| 100 to 249 | 26.5 | 26.8 | 22.0 | 19.4 | 26.5 | 15.7 | 22.3 | 19.8 | 28.5 |
| 250 or More | 36.4 | 50.6 | 34.2 | 56.2 | 44.9 | 26.8 | 23.2 | 23.6 | 18.4 |
| Weekly Operating Hours | | | | | | | | | |
| Fewer than 40 | 23.2 | 53.4 | 72.2 | 18.9 | 31.8 | 32.6 | 18.9 | 25.9 | 43.8 |
| 40 to 48 | 30.4 | 35.7 | 26.0 | 23.3 | 34.5 | 18.4 | 25.9 | 8.0 | 18.1 |
| 49 to 60 | 24.7 | 25.4 | 26.6 | 22.9 | 24.2 | 23.0 | 24.9 | 9.0 | 13.7 |
| 61 to 84 | 34.4 | 46.4 | 39.2 | 18.8 | 29.7 | 13.2 | 27.7 | 44.2 | 37.2 |
| 85 to 167 | 33.9 | 33.6 | 15.8 | 24.6 | 29.6 | 13.0 | 19.1 | 48.0 | 6.1 |
| Open Continuously | 27.9 | 34.8 | 29.5 | 31.4 | 27.2 | 21.1 | 11.6 | 14.9 | 23.1 |
| Ownership and Occupancy | | | | | | | | | |
| Nongovernment Owned | 15.5 | 26.8 | 20.8 | 19.0 | 18.5 | 10.3 | 13.5 | 10.5 | 13.3 |
| Owner Occupied | 22.2 | 34.2 | 23.3 | 22.9 | 27.8 | 15.7 | 15.2 | 5.5 | 9.9 |
| Nonowner Occupied | 24.1 | 32.0 | 23.4 | 18.7 | 26.8 | 12.2 | 17.4 | 16.3 | 17.9 |
| Unoccupied | 95.1 | X | 100.7 | 66.1 | X | 69.1 | 49.4 | X | 51.7 |
| Government Owned | 26.5 | 32.3 | 30.1 | 27.1 | 21.0 | 15.4 | 16.3 | 16.6 | 25.3 |
| Federal | 93.1 | 75.1 | 53.0 | 66.0 | 64.1 | 47.9 | 89.3 | 12.1 | 26.4 |
| State | 40.9 | 51.0 | 57.6 | 40.4 | 50.3 | 41.7 | 17.5 | 64.2 | 38.4 |
| Local | 25.5 | 34.0 | 24.8 | 28.0 | 30.9 | 30.5 | 15.8 | 14.7 | 26.4 |
| Vacancy Status | | | | | | | | | |
| Completely Vacant | 95.1 | X | 100.7 | 66.1 | X | 69.1 | 49.4 | X | 51.7 |
| Mostly Vacant | 0.0 | 86.0 | 81.9 | 0.0 | 73.4 | 74.4 | 0.0 | 135.8 | 76.8 |
| Partially Vacant | 31.8 | 35.6 | 20.7 | 42.9 | 26.1 | 24.9 | 24.4 | 13.0 | 15.1 |
| Not At All Vacant | 13.3 | 24.7 | 19.1 | 13.5 | 16.5 | 10.7 | 11.7 | 10.7 | 13.1 |
| Number of Establishments | | | | | | | | | |
| One | 14.4 | 20.6 | 17.2 | 16.2 | 12.7 | 7.9 | 14.1 | 9.1 | 15.0 |
| 2 to 5 | 22.1 | 47.1 | 33.2 | 24.8 | 32.7 | 24.8 | 16.3 | 21.9 | 19.4 |
| 6 to 10 | 93.2 | 29.7 | 22.0 | 46.3 | 22.6 | 29.8 | 51.1 | 14.4 | 12.8 |
| 11 to 20 | 240.7 | 79.4 | 59.2 | 46.4 | 63.4 | 40.8 | 199.5 | 51.4 | 42.2 |
| More than 20 | 63.7 | 101.0 | 58.8 | 50.0 | 101.0 | 51.6 | 25.2 | 0.0 | 22.6 |
| Currently Unoccupied | 95.1 | X | 100.7 | 66.1 | X | 69.1 | 49.4 | X | 51.7 |
| Predominant Exterior Wall Material | | | | | | | | | |
| Brick, Stone or Stucco | 21.0 | 28.1 | 20.5 | 19.6 | 23.1 | 15.5 | 18.3 | 8.0 | 16.0 |
| Concrete (Block or Poured) | 28.2 | 38.8 | 31.3 | 12.9 | 19.6 | 18.9 | 22.2 | 28.9 | 18.4 |
| Concrete Panels | 37.7 | 60.6 | 29.3 | 34.8 | 50.9 | 21.9 | 29.7 | 18.6 | 23.8 |
| Siding or Shingles | 42.1 | 23.0 | 35.4 | 40.1 | 53.5 | 20.3 | 44.0 | 84.8 | 19.5 |
| Metal Panels | 44.6 | 56.9 | 24.9 | 44.3 | 44.2 | 24.5 | 23.0 | 13.0 | 23.2 |
| Window Glass | 76.1 | 70.9 | 80.5 | 43.3 | 70.1 | 63.1 | 52.8 | 4.4 | 19.6 |
| Other | 90.2 | 95.1 | 49.7 | 72.1 | 95.1 | 56.6 | 22.9 | 0.0 | 65.3 |
| No One Major Type | 100.2 | 97.6 | 70.1 | 100.2 | 97.6 | 64.6 | 0.0 | 0.0 | 95.1 |

RSEs for Table C29. Natural Gas Consumption and Conditional Energy Intensity by Census Division for Non-Mall Buildings, 2003: Part 3

| | RSEs for Total Natural Gas Consumption | | | RSEs for Total Floorspace of Buildings Using Natural Gas | | | RSEs for Natural Gas Energy Intensity | | |
|---|--|---------------|---------|--|---------------|---------|---------------------------------------|---------------|---------|
| | West South Central | Mount- ain | Pacific | West South Central | Mount- ain | Pacific | West South Central | Mount- ain | Pacific |
| All Buildings* | 14.9 | 22.1 | 16.2 | 17.1 | 14.7 | 9.1 | 12.1 | 9.3 | 10.3 |
| Predominant Roof Material | | | | | | | | | |
| Built-Up | 24.4 | 30.3 | 21.1 | 21.9 | 22.0 | 14.1 | 20.0 | 12.0 | 26.0 |
| Shingles (Not Wood) | 25.7 | 20.1 | 29.3 | 20.8 | 11.1 | 26.3 | 18.7 | 19.1 | 26.0 |
| Metal Surfacing | 32.0 | 44.0 | 27.7 | 30.0 | 27.3 | 29.4 | 23.1 | 22.4 | 13.7 |
| Synthetic or Rubber | 28.9 | 40.0 | 39.4 | 29.2 | 30.8 | 37.5 | 11.7 | 18.0 | 36.6 |
| Slate or Tile | 44.7 | 45.8 | 40.4 | 46.2 | 23.7 | 32.4 | 28.4 | 33.7 | 11.3 |
| Wooden Materials | 53.6 | 58.4 | 70.2 | 53.8 | 56.4 | 58.2 | 12.7 | 16.9 | 46.1 |
| Concrete | 74.3 | 100.2 | 85.5 | 84.6 | 100.2 | 40.8 | 24.9 | 0.3 | 40.1 |
| Other | X | 81.0 | 61.3 | X | 78.6 | 56.8 | X | 15.6 | 104.7 |
| No One Major Type | 96.8 | 0.0 | 82.1 | 96.8 | 0.0 | 5.4 | 0.2 | 0.0 | 81.2 |
| Renovations in Buildings Constructed Before 1980 (more than one may apply) | | | | | | | | | |
| Any Type of Renovation | | | | | | | | | |
| Since 1980 | 21.1 | 15.3 | 27.5 | 18.8 | 10.5 | 18.4 | 16.3 | 8.6 | 16.2 |
| Addition or Annex | 40.4 | 18.5 | 34.4 | 32.9 | 14.0 | 18.2 | 15.8 | 4.6 | 38.3 |
| Reduction In Floorspace | 100.1 | 88.3 | 100.7 | 100.1 | 86.2 | 100.7 | 0.0 | 4.6 | 0.0 |
| Cosmetic Improvements | 21.0 | 9.7 | 28.7 | 20.8 | 11.0 | 17.9 | 20.9 | 11.9 | 17.5 |
| Wall or Roof Replacement | 33.3 | 41.5 | 29.8 | 27.5 | 23.9 | 31.8 | 15.3 | 19.7 | 20.7 |
| Interior Wall | | | | | | | | | |
| Re-Configuration | 28.5 | 15.3 | 32.8 | 16.2 | 13.5 | 25.1 | 28.7 | 9.6 | 16.6 |
| HVAC Equipment Upgrade | 21.9 | 13.8 | 30.8 | 24.4 | 12.7 | 24.9 | 24.8 | 8.4 | 20.0 |
| Lighting Upgrade | 24.4 | 8.8 | 32.2 | 23.3 | 11.2 | 20.7 | 29.5 | 9.0 | 20.8 |
| Window Replacement | 30.4 | 59.8 | 26.8 | 36.4 | 39.5 | 27.9 | 30.1 | 20.6 | 18.6 |
| Plumbing System Upgrade | 27.6 | 31.5 | 30.4 | 33.4 | 21.7 | 29.8 | 21.6 | 13.9 | 10.1 |
| Insulation Upgrade | 29.7 | 37.6 | 37.4 | 34.7 | 27.7 | 51.4 | 26.2 | 32.7 | 51.7 |
| Other Renovation | 0.0 | X | 99.2 | 0.0 | X | 99.2 | 0.0 | X | 0.0 |
| No Renovations Since 1980 | 13.2 | 28.9 | 30.7 | 16.3 | 22.7 | 17.4 | 13.0 | 11.9 | 24.4 |
| Building Newer than 1980 | 19.1 | 37.4 | 23.0 | 25.1 | 27.9 | 19.3 | 17.1 | 17.1 | 15.4 |
| Energy Sources (more than one may apply) | | | | | | | | | |
| Electricity | 13.7 | 22.8 | 21.3 | 19.0 | 15.0 | 11.8 | 12.6 | 9.0 | 12.1 |
| Natural Gas | 14.9 | 22.1 | 16.2 | 17.1 | 14.7 | 9.1 | 12.1 | 9.3 | 10.3 |
| Fuel Oil | 30.4 | 54.4 | 30.9 | 51.4 | 43.9 | 20.9 | 28.4 | 27.4 | 23.5 |
| District Heat | 57.6 | 99.4 | 51.9 | 83.6 | 84.4 | 32.4 | 76.4 | 510.8 | 26.8 |
| District Chilled Water | 55.0 | 59.8 | 56.7 | 74.4 | 50.3 | 60.5 | 67.1 | 67.2 | 28.7 |
| Propane | 23.7 | 77.5 | 37.1 | 44.4 | 56.4 | 28.0 | 28.9 | 52.4 | 29.4 |
| Other | 90.3 | 104.0 | 44.7 | 61.2 | 104.2 | 45.1 | 94.2 | 0.5 | 30.4 |
| Space-Heating Energy Sources | | | | | | | | | |
| Natural Gas | 18.2 | 22.5 | 18.5 | 13.5 | 16.2 | 12.4 | 11.9 | 7.3 | 10.7 |
| Natural Gas Main | 18.0 | 21.2 | 21.0 | 13.4 | 13.9 | 15.5 | 11.6 | 7.9 | 11.5 |
| Natural Gas Secondary | 55.8 | 45.7 | 31.2 | 38.4 | 43.8 | 27.1 | 23.4 | 36.8 | 21.6 |
| Other Excluding Natural Gas | 25.4 | 50.3 | 13.5 | 37.6 | 51.6 | 26.4 | 35.3 | 72.9 | 30.9 |
| Buildings without Heating | 97.8 | 97.6 | 86.0 | 81.4 | 97.6 | 33.0 | 86.3 | 0.0 | 90.1 |
| Primary Space-Heating Energy Source | | | | | | | | | |
| Electricity | 24.2 | 37.5 | 18.8 | 31.7 | 39.5 | 21.0 | 16.4 | 29.4 | 14.1 |
| Natural Gas | 18.0 | 21.2 | 21.0 | 13.4 | 13.9 | 15.5 | 11.6 | 7.9 | 11.5 |
| Fuel Oil | 0.0 | X | 0.0 | 0.0 | X | 0.0 | 0.0 | X | 0.0 |
| District Heat | 64.8 | 99.4 | 51.9 | 87.3 | 84.4 | 32.4 | 82.7 | 510.8 | 26.8 |
| Propane | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Other | 0.0 | 0.0 | X | 0.0 | 0.0 | X | 0.0 | 0.0 | X |

RSEs for Table C29. Natural Gas Consumption and Conditional Energy Intensity by Census Division for Non-Mall Buildings, 2003: Part 3

| | RSEs for Total Natural Gas Consumption | | | RSEs for Total Floorspace of Buildings Using Natural Gas | | | RSEs for Natural Gas Energy Intensity | | |
|--|--|---------------|---------|--|---------------|---------|---------------------------------------|---------------|---------|
| | West South Central | Mount- ain | Pacific | West South Central | Mount- ain | Pacific | West South Central | Mount- ain | Pacific |
| All Buildings* | 14.9 | 22.1 | 16.2 | 17.1 | 14.7 | 9.1 | 12.1 | 9.3 | 10.3 |
| Cooling Energy Sources | | | | | | | | | |
| Natural Gas | 78.7 | 35.7 | 41.5 | 87.3 | 34.9 | 61.8 | 12.1 | 11.0 | 93.7 |
| Other Excluding Natural Gas | 15.9 | 23.5 | 16.4 | 17.5 | 16.8 | 8.1 | 12.5 | 8.3 | 13.4 |
| Buildings without Cooling | 94.4 | 41.7 | 25.8 | 80.8 | 50.8 | 31.8 | 25.8 | 83.9 | 25.8 |
| Water-Heating Energy Sources | | | | | | | | | |
| Natural Gas | 18.0 | 19.3 | 18.5 | 13.6 | 14.9 | 10.8 | 13.3 | 8.0 | 10.8 |
| Other Excluding Natural Gas | 11.4 | 67.4 | 19.4 | 34.0 | 34.5 | 9.5 | 28.8 | 26.0 | 14.5 |
| Bldgs without Water Heating | 60.6 | 38.9 | 66.0 | 40.9 | 19.4 | 47.3 | 34.4 | 30.7 | 51.0 |
| Cooking Energy Sources | | | | | | | | | |
| Natural Gas | 22.6 | 35.6 | 19.7 | 22.3 | 26.9 | 20.3 | 17.2 | 15.3 | 15.4 |
| Other Excluding Natural Gas | 43.8 | 43.3 | 31.1 | 42.5 | 46.1 | 19.8 | 11.0 | 16.4 | 35.7 |
| Buildings without Cooking | 19.6 | 23.9 | 23.4 | 14.7 | 10.5 | 11.5 | 13.7 | 15.9 | 21.3 |
| Energy End Uses (more than one may apply) | | | | | | | | | |
| Buildings with Space Heating | 15.2 | 22.1 | 15.7 | 17.0 | 14.8 | 9.4 | 12.1 | 8.8 | 10.0 |
| Buildings with Cooling | 15.3 | 23.2 | 16.4 | 17.4 | 16.8 | 8.7 | 12.1 | 8.0 | 10.9 |
| Buildings with Water Heating | 16.2 | 22.8 | 17.3 | 17.6 | 16.1 | 9.9 | 13.2 | 8.8 | 10.1 |
| Buildings with Cooking | 22.1 | 34.9 | 19.4 | 25.0 | 28.5 | 18.1 | 16.2 | 13.4 | 13.9 |
| Buildings with Manufacturing | 68.6 | 75.4 | 45.7 | 56.5 | 64.1 | 43.1 | 36.7 | 38.5 | 32.7 |
| Buildings with Electricity Generation | 29.6 | 48.2 | 27.4 | 36.3 | 30.2 | 20.6 | 27.2 | 30.3 | 18.7 |
| Percent of Floorspace Heated | | | | | | | | | |
| Not Heated | 97.8 | 97.6 | 86.0 | 81.4 | 97.6 | 33.0 | 86.3 | 0.0 | 90.1 |
| 1 to 50 | 64.5 | 77.8 | 27.0 | 35.0 | 63.6 | 13.0 | 56.5 | 19.7 | 29.9 |
| 51 to 99 | 30.1 | 43.4 | 24.6 | 25.1 | 36.6 | 16.0 | 20.8 | 20.2 | 14.5 |
| 100 | 16.6 | 24.7 | 20.1 | 20.7 | 20.3 | 12.2 | 11.0 | 7.7 | 14.8 |
| Percent of Floorspace Cooled | | | | | | | | | |
| Not Cooled | 94.4 | 41.7 | 25.8 | 80.8 | 50.8 | 31.8 | 25.8 | 83.9 | 25.8 |
| 1 to 50 | 34.5 | 48.5 | 30.0 | 31.4 | 36.5 | 28.6 | 22.6 | 25.3 | 30.5 |
| 51 to 99 | 36.9 | 28.4 | 31.3 | 24.2 | 16.0 | 25.2 | 23.1 | 19.8 | 16.6 |
| 100 | 20.2 | 36.5 | 18.5 | 24.9 | 28.9 | 12.6 | 11.1 | 15.8 | 13.4 |
| Heating Equipment (more than one may apply) | | | | | | | | | |
| Heat Pumps | 38.1 | 79.9 | 22.7 | 16.5 | 59.9 | 12.5 | 29.3 | 55.2 | 17.9 |
| Packaged Heat Pumps | 47.2 | 80.9 | 22.1 | 23.4 | 65.6 | 35.7 | 32.3 | 50.1 | 12.9 |
| Split-System Heat Pumps | 100.3 | 59.9 | 52.3 | 100.3 | 52.0 | 39.6 | 0.0 | 31.8 | 39.2 |
| Individual Room Heat Pumps | 65.3 | 55.5 | 23.1 | 58.8 | 54.4 | 25.9 | 61.7 | 15.5 | 38.8 |
| Furnaces | 17.6 | 31.6 | 40.2 | 17.2 | 17.4 | 24.6 | 13.1 | 14.3 | 25.1 |
| Individual Space Heaters | 45.2 | 24.0 | 41.0 | 32.4 | 15.5 | 18.7 | 27.2 | 9.5 | 28.4 |
| District Heat | 57.6 | 99.4 | 51.9 | 83.6 | 84.4 | 32.4 | 76.4 | 510.8 | 26.8 |
| Boilers | 27.4 | 25.7 | 24.8 | 24.5 | 23.2 | 21.3 | 13.9 | 8.9 | 16.4 |
| Packaged Heating Units | 19.9 | 44.8 | 12.3 | 14.3 | 28.1 | 10.9 | 18.7 | 34.1 | 7.8 |
| Other | 31.2 | 67.5 | 27.4 | 47.0 | 67.5 | 41.3 | 32.6 | 4.1 | 48.8 |

RSEs for Table C29. Natural Gas Consumption and Conditional Energy Intensity by Census Division for Non-Mall Buildings, 2003: Part 3

| | RSEs for Total Natural Gas Consumption | | | RSEs for Total Floorspace of Buildings Using Natural Gas | | | RSEs for Natural Gas Energy Intensity | | |
|--|--|---------------|---------|--|---------------|---------|---------------------------------------|---------------|---------|
| | West South Central | Mount- ain | Pacific | West South Central | Mount- ain | Pacific | West South Central | Mount- ain | Pacific |
| All Buildings* | 14.9 | 22.1 | 16.2 | 17.1 | 14.7 | 9.1 | 12.1 | 9.3 | 10.3 |
| Cooling Equipment (more than one may apply) | | | | | | | | | |
| Residential-Type Central | | | | | | | | | |
| Air Conditioners | 38.7 | 36.2 | 35.4 | 30.2 | 30.1 | 27.9 | 14.2 | 8.4 | 42.2 |
| Heat Pumps | 35.1 | 79.0 | 22.3 | 17.0 | 51.5 | 13.7 | 32.3 | 63.7 | 18.2 |
| Packaged Heat Pumps | 30.7 | 80.4 | 22.1 | 25.7 | 64.4 | 35.7 | 21.8 | 50.4 | 12.9 |
| Split-System Heat Pumps | 100.3 | 59.9 | 53.0 | 100.3 | 52.0 | 40.8 | 0.0 | 31.8 | 39.9 |
| Individual Room Heat Pumps | 65.3 | 50.3 | 22.7 | 58.8 | 52.0 | 29.3 | 61.7 | 30.9 | 35.2 |
| Individual Air Conditioners | 26.9 | 26.5 | 38.0 | 24.6 | 27.7 | 15.4 | 26.9 | 12.4 | 28.3 |
| District Chilled Water | 55.0 | 59.8 | 56.7 | 74.4 | 50.3 | 60.5 | 67.1 | 67.2 | 28.7 |
| Central Chillers | 27.6 | 47.8 | 36.7 | 33.4 | 36.9 | 31.4 | 16.0 | 21.3 | 28.2 |
| Packaged Air Conditioning | | | | | | | | | |
| Units | 16.8 | 20.0 | 12.5 | 13.7 | 16.6 | 9.3 | 12.6 | 15.3 | 13.8 |
| Swamp Coolers | 50.8 | 24.8 | 38.2 | 45.4 | 23.1 | 32.7 | 66.1 | 8.7 | 52.1 |
| Other | 38.1 | 100.5 | 64.4 | 62.5 | 100.5 | 66.0 | 15.4 | 0.0 | 2.8 |
| Main Equipment Replaced Since 1990 (more than one may apply) | | | | | | | | | |
| Heating | 9.3 | 42.2 | 25.6 | 18.3 | 27.9 | 15.5 | 19.8 | 21.7 | 33.8 |
| Cooling | 21.9 | 34.9 | 20.9 | 13.1 | 21.5 | 5.8 | 21.5 | 17.5 | 20.8 |
| Water Heating Equipment | | | | | | | | | |
| Centralized System | 21.3 | 31.7 | 21.3 | 27.1 | 16.0 | 14.7 | 17.4 | 17.6 | 12.9 |
| Distributed System | 36.8 | 32.4 | 20.4 | 20.6 | 22.2 | 27.6 | 25.2 | 19.0 | 24.0 |
| Combination of Centralized and Distributed System | 22.4 | 31.9 | 20.8 | 18.2 | 21.5 | 22.5 | 9.5 | 18.4 | 15.3 |
| Energy-Related Space Functions (more than one may apply) | | | | | | | | | |
| Commercial Food Preparation | 22.1 | 34.9 | 20.6 | 25.0 | 28.5 | 18.5 | 16.2 | 13.4 | 14.4 |
| Activities with Large Amounts of Hot Water | 23.7 | 29.3 | 17.8 | 24.9 | 19.0 | 18.2 | 18.3 | 15.2 | 14.5 |
| Separate Computer Area | 25.1 | 28.8 | 21.2 | 30.9 | 23.1 | 13.2 | 14.5 | 9.6 | 12.4 |
| HVAC Conservation Features (more than one may apply) | | | | | | | | | |
| Variable Air-Volume System | 25.5 | 38.7 | 24.1 | 34.7 | 28.1 | 15.5 | 14.8 | 18.6 | 15.0 |
| Economizer Cycle | 32.7 | 26.6 | 13.6 | 41.5 | 17.1 | 13.5 | 13.8 | 13.5 | 18.2 |
| HVAC Maintenance | 19.0 | 19.8 | 16.8 | 19.3 | 13.5 | 9.4 | 14.2 | 10.9 | 11.9 |
| Energy Management and Control System (EMCS) | 23.2 | 48.9 | 23.0 | 34.8 | 33.5 | 15.5 | 18.2 | 28.0 | 12.3 |
| Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^a | | | | | | | | | |
| Heating | 17.7 | 21.0 | 13.7 | 19.5 | 11.8 | 10.6 | 11.6 | 12.3 | 4.4 |
| Cooling | 16.6 | 19.1 | 17.1 | 19.6 | 12.0 | 9.5 | 11.2 | 10.3 | 11.1 |
| Lighting | 14.5 | 27.7 | 17.4 | 14.4 | 15.0 | 9.1 | 17.3 | 15.7 | 15.4 |
| Office Equipment | 18.9 | 28.6 | 24.5 | 13.6 | 24.4 | 16.0 | 19.5 | 9.3 | 21.5 |

RSEs for Table C29. Natural Gas Consumption and Conditional Energy Intensity by Census Division for Non-Mall Buildings, 2003: Part 3

| | RSEs for Total Natural Gas Consumption | | | RSEs for Total Floorspace of Buildings Using Natural Gas | | | RSEs for Natural Gas Energy Intensity | | |
|--|--|---------------|---------|--|---------------|---------|---------------------------------------|---------------|---------|
| | West South Central | Mount- ain | Pacific | West South Central | Mount- ain | Pacific | West South Central | Mount- ain | Pacific |
| All Buildings* | 14.9 | 22.1 | 16.2 | 17.1 | 14.7 | 9.1 | 12.1 | 9.3 | 10.3 |
| Annual Consumption (hundred cubic feet) | | | | | | | | | |
| 1,000 or Less | 22.5 | 31.9 | 24.4 | 27.9 | 30.7 | 35.6 | 18.2 | 7.1 | 19.1 |
| 1,001 to 5,000 | 13.1 | 23.5 | 20.9 | 16.1 | 18.5 | 18.9 | 15.4 | 17.6 | 18.0 |
| 5,001 to 10,000 | 24.0 | 30.7 | 15.3 | 23.9 | 23.5 | 13.3 | 19.8 | 16.3 | 8.3 |
| 10,001 to 25,000 | 25.8 | 59.3 | 26.4 | 22.1 | 52.7 | 33.2 | 19.8 | 6.6 | 32.7 |
| 25,001 to 50,000 | 32.5 | 18.9 | 42.7 | 26.2 | 18.2 | 25.8 | 18.1 | 27.6 | 41.8 |
| 50,001 to 100,000 | 58.2 | 54.8 | 35.9 | 50.4 | 58.6 | 28.1 | 30.5 | 47.5 | 32.0 |
| Over 100,000 | 35.1 | 45.3 | 40.8 | 46.1 | 40.5 | 51.1 | 16.1 | 17.7 | 27.6 |
| Provider of Natural Gas (more than one may apply) | | | | | | | | | |
| Local Utility | 15.0 | 25.0 | 17.6 | 16.1 | 17.7 | 9.2 | 13.7 | 11.6 | 11.0 |
| Some Other Provider | 48.7 | 24.2 | 34.2 | 56.4 | 26.4 | 33.6 | 20.3 | 2.2 | 24.0 |

X=No cases in the responding sample reported their consumption for the particular fuel, so relative standard error could not be calculated.

RSEs for Table C30. Natural Gas Consumption and Conditional Energy Intensity by Climate Zone^a for Non-Mall Buildings, 2003

| | RSEs for Total Natural Gas Consumption | | | | | RSEs for Total Floorspace of Buildings Using Natural Gas | | | | | RSEs for Natural Gas Energy Intensity | | | | |
|--|--|--------|--------|--------|--------|--|--------|--------|--------|--------|---------------------------------------|--------|--------|--------|--------|
| | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 |
| All Buildings* | 13.3 | 6.8 | 21.5 | 19.1 | 23.3 | 12.1 | 7.5 | 16.9 | 13.3 | 22.0 | 5.9 | 7.3 | 12.7 | 9.7 | 12.8 |
| Building Floorspace (Square Feet) | | | | | | | | | | | | | | | |
| 1,001 to 5,000 | 15.5 | 14.9 | 18.4 | 25.9 | 34.5 | 14.5 | 12.4 | 18.0 | 21.2 | 32.7 | 13.4 | 8.0 | 15.4 | 24.4 | 27.1 |
| 5,001 to 10,000 | 34.1 | 10.5 | 22.3 | 29.9 | 31.1 | 26.5 | 17.9 | 16.6 | 19.2 | 42.2 | 19.5 | 15.8 | 18.0 | 21.4 | 48.5 |
| 10,001 to 25,000 | 21.1 | 14.0 | 37.7 | 23.8 | 43.9 | 17.2 | 16.4 | 25.6 | 21.1 | 37.2 | 14.3 | 17.8 | 33.1 | 18.1 | 16.4 |
| 25,001 to 50,000 | 14.2 | 19.4 | 38.2 | 21.7 | 40.7 | 9.4 | 13.0 | 22.3 | 19.2 | 29.7 | 6.6 | 14.6 | 27.3 | 10.5 | 27.3 |
| 50,001 to 100,000 | 32.6 | 16.3 | 24.6 | 16.9 | 39.5 | 24.8 | 17.5 | 25.0 | 14.4 | 31.5 | 12.0 | 15.2 | 9.1 | 15.5 | 13.8 |
| 100,001 to 200,000 | 22.0 | 24.0 | 30.8 | 60.0 | 24.4 | 19.2 | 15.9 | 34.0 | 43.3 | 28.0 | 10.7 | 12.9 | 41.8 | 35.0 | 32.5 |
| 200,001 to 500,000 | 31.0 | 15.5 | 36.0 | 26.6 | 27.1 | 24.9 | 16.7 | 43.1 | 24.3 | 19.5 | 20.1 | 16.3 | 45.9 | 31.7 | 24.5 |
| Over 500,000 | 50.8 | 41.2 | 41.8 | 35.2 | 47.9 | 40.9 | 27.8 | 33.7 | 33.1 | 64.9 | 18.5 | 28.5 | 41.0 | 27.4 | 26.6 |
| Principal Building Activity | | | | | | | | | | | | | | | |
| Education | 22.6 | 14.5 | 22.6 | 26.3 | 38.2 | 19.5 | 11.0 | 24.9 | 17.0 | 32.0 | 7.5 | 7.5 | 12.1 | 26.2 | 28.8 |
| Food Sales | 45.8 | 38.7 | 77.6 | 63.6 | 56.1 | 43.7 | 29.1 | 75.3 | 54.2 | 53.5 | 19.4 | 25.2 | 19.6 | 28.9 | 21.6 |
| Food Service | 34.3 | 17.7 | 43.8 | 29.0 | 30.6 | 34.7 | 16.7 | 38.5 | 28.8 | 32.1 | 28.7 | 13.8 | 35.8 | 14.4 | 30.5 |
| Health Care | 19.0 | 24.1 | 33.3 | 37.2 | 32.2 | 22.8 | 17.9 | 20.7 | 33.0 | 34.6 | 8.2 | 12.7 | 20.1 | 8.1 | 6.8 |
| Inpatient | 18.8 | 25.4 | 37.6 | 41.1 | 29.0 | 18.6 | 19.8 | 25.6 | 39.8 | 29.5 | 14.3 | 12.4 | 17.7 | 4.8 | 7.3 |
| Outpatient | 65.8 | 37.1 | 32.8 | 60.0 | 84.5 | 40.7 | 27.2 | 27.9 | 30.1 | 77.9 | 23.6 | 18.3 | 31.2 | 40.8 | 7.4 |
| Lodging | 26.1 | 31.3 | 27.8 | 31.2 | 33.7 | 22.3 | 21.6 | 49.2 | 25.4 | 37.1 | 13.3 | 18.5 | 72.9 | 16.9 | 19.9 |
| Retail (Other Than Mall) | 42.6 | 24.3 | 35.5 | 30.4 | 31.6 | 29.3 | 22.6 | 33.4 | 25.3 | 22.3 | 22.4 | 19.3 | 17.3 | 25.0 | 30.2 |
| Office | 23.6 | 22.1 | 36.9 | 20.2 | 47.7 | 17.9 | 15.2 | 23.5 | 17.5 | 49.2 | 16.1 | 11.6 | 32.0 | 12.4 | 17.9 |
| Public Assembly | 30.9 | 27.2 | 50.4 | 31.3 | 19.2 | 23.7 | 17.0 | 45.0 | 25.8 | 41.3 | 17.9 | 20.4 | 130.6 | 20.9 | 30.2 |
| Public Order and Safety | 33.7 | 32.2 | 56.6 | 83.2 | 58.4 | 33.8 | 35.4 | 47.1 | 50.3 | 68.7 | 13.8 | 14.6 | 27.5 | 83.5 | 91.2 |
| Religious Worship | 21.0 | 16.6 | 39.5 | 39.7 | 53.2 | 21.1 | 17.7 | 35.0 | 27.6 | 40.9 | 9.8 | 11.2 | 14.9 | 23.8 | 37.7 |
| Service | 31.8 | 23.6 | 27.8 | 47.8 | 66.3 | 33.4 | 28.9 | 44.1 | 40.3 | 60.2 | 16.2 | 17.3 | 51.5 | 42.1 | 16.3 |
| Warehouse and Storage | 46.6 | 18.9 | 45.1 | 45.7 | 50.6 | 30.6 | 19.6 | 23.3 | 35.0 | 31.2 | 30.9 | 11.5 | 39.4 | 34.3 | 25.5 |
| Other | 45.2 | 51.0 | 57.8 | 57.7 | 68.5 | 34.8 | 34.5 | 56.6 | 58.6 | 59.2 | 31.4 | 40.8 | 36.3 | 49.2 | 31.7 |
| Vacant | 52.5 | 30.5 | 56.3 | 70.2 | 65.9 | 62.1 | 43.1 | 55.2 | 52.0 | 67.9 | 36.8 | 30.8 | 8.5 | 45.2 | 31.0 |
| Year Constructed | | | | | | | | | | | | | | | |
| Before 1920 | 31.8 | 16.2 | 46.6 | 45.7 | 101.0 | 31.2 | 19.3 | 35.7 | 28.2 | 96.4 | 7.6 | 15.3 | 23.8 | 31.8 | 5.3 |
| 1920 to 1945 | 27.2 | 16.8 | 37.3 | 39.8 | 46.8 | 21.3 | 18.7 | 30.4 | 25.7 | 42.4 | 23.7 | 15.3 | 39.9 | 32.5 | 27.2 |
| 1946 to 1959 | 27.0 | 16.6 | 29.3 | 50.2 | 38.6 | 18.6 | 13.9 | 31.2 | 26.7 | 33.5 | 12.2 | 13.9 | 47.2 | 34.9 | 42.3 |
| 1960 to 1969 | 14.3 | 18.2 | 24.9 | 27.6 | 39.3 | 10.9 | 19.8 | 26.5 | 21.1 | 38.7 | 17.2 | 15.3 | 15.0 | 15.1 | 19.3 |
| 1970 to 1979 | 16.8 | 18.4 | 27.1 | 26.2 | 38.7 | 20.2 | 15.7 | 26.1 | 24.9 | 32.0 | 7.0 | 14.7 | 21.0 | 22.3 | 26.9 |
| 1980 to 1989 | 26.7 | 26.2 | 43.3 | 25.4 | 23.3 | 25.0 | 14.0 | 28.9 | 18.3 | 33.9 | 16.3 | 14.5 | 36.2 | 14.3 | 25.0 |
| 1990 to 1999 | 18.3 | 22.1 | 17.7 | 28.1 | 27.0 | 20.4 | 20.4 | 19.3 | 22.3 | 22.8 | 8.3 | 18.9 | 16.8 | 19.4 | 25.0 |
| 2000 to 2003 | 33.6 | 26.7 | 56.7 | 35.0 | 45.0 | 25.6 | 22.2 | 27.6 | 30.9 | 39.4 | 21.7 | 19.1 | 31.1 | 20.7 | 13.5 |
| Census Region and Division | | | | | | | | | | | | | | | |
| Northeast | 74.1 | 16.8 | 33.9 | 0.0 | 0.0 | 71.8 | 12.7 | 23.7 | 0.0 | 0.0 | 15.0 | 11.5 | 20.0 | 0.0 | 0.0 |
| New England | 0.0 | 29.5 | 0.0 | 0.0 | 0.0 | 0.0 | 29.1 | 0.0 | 0.0 | 0.0 | 16.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| Middle Atlantic | 74.1 | 20.6 | 33.9 | 0.0 | 0.0 | 71.8 | 8.0 | 23.7 | 0.0 | 0.0 | 15.0 | 14.7 | 20.0 | 0.0 | 0.0 |
| Midwest | 10.1 | 6.2 | 49.4 | 0.0 | 0.0 | 10.4 | 10.0 | 24.7 | 0.0 | 0.0 | 6.6 | 10.4 | 34.6 | 0.0 | 0.0 |
| East North Central | 10.0 | 6.1 | 0.0 | 0.0 | 0.0 | 6.6 | 8.0 | 0.0 | 0.0 | 0.0 | 9.2 | 10.1 | 0.0 | 0.0 | 0.0 |
| West North Central | 23.5 | 32.9 | 49.4 | 0.0 | 0.0 | 24.2 | 57.7 | 24.7 | 0.0 | 0.0 | 5.1 | 63.3 | 34.6 | 0.0 | 0.0 |
| South | 0.0 | 0.0 | 35.1 | 25.0 | 25.0 | 0.0 | 0.0 | 34.5 | 21.0 | 23.5 | 0.0 | 0.0 | 21.3 | 11.0 | 13.5 |
| South Atlantic | 0.0 | 0.0 | 31.7 | 40.9 | 66.1 | 0.0 | 0.0 | 39.2 | 28.1 | 53.6 | 0.0 | 0.0 | 20.6 | 22.9 | 41.1 |
| East South Central | 0.0 | 0.0 | 70.5 | 61.1 | 91.9 | 0.0 | 0.0 | 72.8 | 63.0 | 93.6 | 0.0 | 0.0 | 70.7 | 5.9 | 1.5 |
| West South Central | 0.0 | 0.0 | 95.5 | 11.3 | 25.3 | 0.0 | 0.0 | 95.8 | 11.4 | 26.0 | 0.0 | 0.0 | 0.6 | 13.7 | 17.2 |
| West | 28.0 | 25.3 | 33.4 | 19.7 | 40.4 | 21.0 | 23.2 | 41.7 | 8.4 | 46.5 | 11.5 | 6.8 | 8.3 | 16.9 | 31.3 |
| Mountain | 29.0 | 31.6 | 0.0 | 0.0 | 38.1 | 15.4 | 33.4 | 0.0 | 0.0 | 48.4 | 12.1 | 7.2 | 0.0 | 0.0 | 30.9 |
| Pacific | 87.8 | 21.7 | 33.4 | 19.7 | 100.1 | 87.5 | 17.9 | 41.7 | 8.4 | 100.1 | 1.7 | 5.0 | 8.3 | 16.9 | . |

RSEs for Table C30. Natural Gas Consumption and Conditional Energy Intensity by Climate Zone^a for Non-Mall Buildings, 2003

| | RSEs for Total Natural Gas Consumption | | | | | RSEs for Total Floorspace of Buildings Using Natural Gas | | | | | RSEs for Natural Gas Energy Intensity | | | | |
|---------------------------------------|--|--------|--------|--------|--------|--|--------|--------|--------|--------|---------------------------------------|--------|--------|--------|--------|
| | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 |
| All Buildings* | 13.3 | 6.8 | 21.5 | 19.1 | 23.3 | 12.1 | 7.5 | 16.9 | 13.3 | 22.0 | 5.9 | 7.3 | 12.7 | 9.7 | 12.8 |
| Number of Floors | | | | | | | | | | | | | | | |
| One | 19.2 | 14.1 | 21.0 | 21.4 | 29.0 | 15.4 | 11.1 | 18.9 | 16.8 | 24.0 | 7.9 | 11.3 | 11.5 | 14.7 | 14.9 |
| Two | 11.0 | 8.4 | 26.6 | 23.3 | 34.3 | 13.7 | 14.4 | 23.1 | 17.2 | 27.2 | 4.8 | 11.9 | 33.2 | 13.0 | 28.3 |
| Three | 21.1 | 16.9 | 33.0 | 53.6 | 32.0 | 15.8 | 14.8 | 29.6 | 27.7 | 37.6 | 17.3 | 12.7 | 11.9 | 41.5 | 24.1 |
| Four to Nine | 28.5 | 18.0 | 25.5 | 23.8 | 33.7 | 18.2 | 14.2 | 33.0 | 23.4 | 28.9 | 16.1 | 9.4 | 22.7 | 22.4 | 16.6 |
| Ten or More | 42.3 | 45.9 | 47.9 | 35.1 | 49.8 | 51.3 | 29.3 | 30.4 | 43.2 | 63.1 | 28.4 | 28.8 | 40.5 | 31.4 | 17.1 |
| Number of Workers (main shift) | | | | | | | | | | | | | | | |
| Fewer than 5 | 19.0 | 12.2 | 22.5 | 32.5 | 35.5 | 14.0 | 15.8 | 23.2 | 24.9 | 29.6 | 17.3 | 12.0 | 9.5 | 21.6 | 24.9 |
| 5 to 9 | 21.6 | 15.6 | 15.3 | 32.9 | 36.7 | 20.5 | 15.9 | 24.8 | 20.5 | 38.8 | 16.2 | 13.1 | 20.3 | 24.7 | 27.5 |
| 10 to 19 | 26.3 | 11.2 | 30.0 | 14.1 | 34.3 | 18.4 | 16.7 | 41.0 | 18.2 | 29.2 | 17.5 | 14.4 | 45.3 | 16.5 | 27.4 |
| 20 to 49 | 21.4 | 11.1 | 31.6 | 27.3 | 44.5 | 20.8 | 11.0 | 28.3 | 21.9 | 30.7 | 7.1 | 13.8 | 35.4 | 16.3 | 22.6 |
| 50 to 99 | 23.2 | 13.5 | 33.3 | 30.3 | 29.2 | 22.3 | 12.6 | 26.4 | 21.6 | 24.9 | 15.0 | 10.9 | 15.3 | 17.5 | 26.2 |
| 100 to 249 | 20.8 | 23.4 | 29.8 | 47.9 | 24.6 | 15.6 | 16.1 | 27.3 | 23.9 | 22.9 | 13.1 | 17.3 | 16.1 | 35.3 | 19.5 |
| 250 or More | 33.3 | 25.9 | 35.1 | 27.2 | 32.4 | 31.6 | 19.0 | 27.6 | 22.8 | 46.1 | 14.5 | 16.1 | 27.7 | 18.4 | 19.0 |
| Weekly Operating Hours | | | | | | | | | | | | | | | |
| Fewer than 40 | 31.0 | 12.5 | 39.8 | 52.3 | 35.4 | 20.8 | 22.9 | 30.3 | 24.8 | 31.1 | 21.8 | 13.4 | 20.2 | 33.6 | 30.2 |
| 40 to 48 | 19.4 | 15.8 | 26.7 | 23.8 | 59.7 | 17.1 | 12.6 | 27.4 | 15.0 | 36.6 | 10.2 | 12.4 | 42.0 | 15.1 | 41.8 |
| 49 to 60 | 20.9 | 11.0 | 34.5 | 15.6 | 28.2 | 15.3 | 13.0 | 25.3 | 14.5 | 25.6 | 15.9 | 8.2 | 27.6 | 9.5 | 28.3 |
| 61 to 84 | 19.5 | 13.8 | 22.1 | 27.1 | 46.8 | 21.7 | 13.5 | 24.7 | 22.5 | 19.4 | 14.3 | 9.5 | 13.5 | 25.6 | 37.3 |
| 85 to 167 | 20.9 | 13.6 | 32.9 | 30.4 | 37.7 | 15.2 | 19.3 | 30.1 | 23.2 | 24.5 | 14.4 | 16.7 | 31.8 | 18.0 | 33.9 |
| Open Continuously | 19.6 | 17.5 | 30.0 | 30.2 | 25.9 | 16.6 | 14.6 | 20.2 | 21.7 | 28.9 | 9.3 | 8.9 | 19.5 | 16.2 | 12.3 |
| Ownership and Occupancy | | | | | | | | | | | | | | | |
| Nongovernment Owned | 13.1 | 9.6 | 22.7 | 19.7 | 23.8 | 13.0 | 8.8 | 17.5 | 14.1 | 23.2 | 5.7 | 9.5 | 14.5 | 10.6 | 15.1 |
| Owner Occupied | 18.2 | 11.6 | 26.8 | 27.5 | 29.0 | 15.8 | 11.4 | 16.3 | 15.5 | 27.8 | 11.6 | 12.0 | 17.7 | 19.6 | 18.4 |
| Nonowner Occupied | 13.0 | 14.7 | 26.7 | 19.0 | 27.0 | 13.3 | 14.0 | 21.9 | 16.4 | 21.8 | 7.9 | 13.0 | 20.2 | 14.7 | 17.2 |
| Unoccupied | 75.2 | 32.5 | 100.7 | 107.9 | 86.9 | 59.4 | 45.7 | 100.7 | 72.5 | 86.9 | 66.1 | 32.4 | 0.0 | 68.6 | 0.0 |
| Government Owned | 15.6 | 10.7 | 27.7 | 26.4 | 35.6 | 13.7 | 8.0 | 24.2 | 19.9 | 29.2 | 10.8 | 7.6 | 13.9 | 16.9 | 21.5 |
| Federal | 86.2 | 40.5 | 52.8 | 41.7 | 65.4 | 62.3 | 39.5 | 60.3 | 35.5 | 48.6 | 64.9 | 14.3 | 30.6 | 35.7 | 55.7 |
| State | 30.2 | 39.6 | 49.4 | 46.5 | 90.2 | 37.5 | 32.0 | 42.7 | 34.3 | 77.2 | 27.2 | 13.7 | 14.1 | 30.2 | 12.4 |
| Local | 20.1 | 12.9 | 33.3 | 27.3 | 24.2 | 16.0 | 11.2 | 26.4 | 25.6 | 27.9 | 10.4 | 8.0 | 15.9 | 20.2 | 22.7 |
| Vacancy Status | | | | | | | | | | | | | | | |
| Completely Vacant | 75.2 | 32.5 | 60.4 | 107.9 | 86.9 | 59.4 | 45.7 | 58.8 | 72.5 | 86.9 | 66.1 | 32.4 | 16.5 | 68.6 | 0.0 |
| Mostly Vacant | 69.4 | 85.1 | 100.1 | 73.2 | 100.9 | 78.5 | 71.6 | 100.1 | 74.5 | 100.9 | 11.9 | 111.3 | . | 2.5 | . |
| Partially Vacant | 20.0 | 16.1 | 39.0 | 22.9 | 31.0 | 16.8 | 10.1 | 26.9 | 18.1 | 40.7 | 12.2 | 11.6 | 32.5 | 22.2 | 18.6 |
| Not At All Vacant | 14.3 | 8.7 | 22.6 | 20.4 | 24.2 | 13.2 | 8.9 | 18.8 | 15.1 | 22.0 | 6.9 | 7.4 | 16.3 | 10.1 | 14.7 |
| Number of Establishments | | | | | | | | | | | | | | | |
| One | 12.6 | 8.2 | 23.4 | 21.5 | 24.2 | 12.1 | 9.2 | 21.1 | 15.8 | 23.7 | 8.3 | 8.5 | 19.5 | 10.1 | 17.2 |
| 2 to 5 | 22.5 | 19.2 | 25.5 | 24.1 | 32.7 | 20.5 | 12.7 | 22.5 | 19.9 | 26.9 | 6.4 | 17.9 | 10.8 | 18.9 | 21.1 |
| 6 to 10 | 30.7 | 29.3 | 43.3 | 81.2 | 76.5 | 28.0 | 28.1 | 40.2 | 33.7 | 41.0 | 18.4 | 28.3 | 32.3 | 47.9 | 74.5 |
| 11 to 20 | 73.8 | 41.6 | 38.8 | 67.3 | 48.4 | 55.3 | 24.5 | 47.4 | 32.3 | 35.9 | 40.2 | 33.6 | 22.2 | 47.9 | 59.1 |
| More than 20 | 71.4 | 40.4 | 66.9 | 60.1 | 55.6 | 57.9 | 36.4 | 36.9 | 42.4 | 42.6 | 95.6 | 29.7 | 56.9 | 46.7 | 23.3 |
| Currently Unoccupied | 75.2 | 32.5 | 60.4 | 107.9 | 86.9 | 59.4 | 45.7 | 58.8 | 72.5 | 86.9 | 66.1 | 32.4 | 16.5 | 68.6 | 0.0 |

RSEs for Table C30. Natural Gas Consumption and Conditional Energy Intensity by Climate Zone^a for Non-Mall Buildings, 2003

| | RSEs for Total Natural Gas Consumption | | | | | RSEs for Total Floorspace of Buildings Using Natural Gas | | | | | RSEs for Natural Gas Energy Intensity | | | | |
|---|--|--------|--------|--------|--------|--|--------|--------|--------|--------|---------------------------------------|--------|--------|--------|--------|
| | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 |
| All Buildings* | 13.3 | 6.8 | 21.5 | 19.1 | 23.3 | 12.1 | 7.5 | 16.9 | 13.3 | 22.0 | 5.9 | 7.3 | 12.7 | 9.7 | 12.8 |
| Predominant Exterior Wall Material | | | | | | | | | | | | | | | |
| Brick, Stone or Stucco | 18.4 | 10.7 | 25.0 | 17.8 | 22.9 | 15.7 | 9.2 | 19.9 | 15.6 | 24.0 | 7.2 | 7.1 | 18.9 | 9.5 | 16.9 |
| Concrete (Block or Poured) | 23.5 | 16.3 | 40.2 | 40.7 | 32.2 | 23.2 | 22.3 | 22.9 | 22.9 | 34.5 | 8.7 | 14.7 | 32.7 | 25.2 | 34.2 |
| Concrete Panels | 24.2 | 46.4 | 24.3 | 26.3 | 36.9 | 17.5 | 41.9 | 37.0 | 23.8 | 34.6 | 17.1 | 16.3 | 22.0 | 26.8 | 28.8 |
| Siding or Shingles | 24.5 | 12.0 | 34.4 | 28.0 | 80.1 | 28.0 | 21.8 | 30.4 | 34.0 | 68.9 | 15.1 | 17.9 | 42.8 | 39.1 | 40.0 |
| Metal Panels | 39.1 | 23.6 | 44.6 | 34.3 | 54.3 | 27.1 | 23.1 | 27.4 | 22.4 | 61.5 | 16.2 | 15.1 | 25.9 | 29.9 | 61.1 |
| Window Glass | 77.7 | 49.9 | 85.8 | 50.5 | 61.7 | 69.4 | 48.5 | 47.7 | 32.0 | 40.4 | 169.9 | 19.2 | 56.6 | 41.0 | 37.4 |
| Other | 68.6 | 39.8 | 61.4 | 45.2 | 86.6 | 67.8 | 37.6 | 55.2 | 51.3 | 63.2 | 33.5 | 20.7 | 11.0 | 56.4 | 25.1 |
| No One Major Type | 56.9 | 60.0 | 77.2 | 100.1 | 71.8 | 26.8 | 54.1 | 72.6 | 100.1 | 74.6 | 50.9 | 72.3 | 10.7 | . | 9.6 |
| Predominant Roof Material | | | | | | | | | | | | | | | |
| Built-Up | 14.8 | 12.8 | 24.9 | 26.2 | 30.5 | 12.8 | 9.7 | 19.8 | 17.3 | 25.6 | 7.4 | 11.0 | 17.5 | 16.7 | 22.8 |
| Shingles (Not Wood) | 19.6 | 16.8 | 48.0 | 22.7 | 39.6 | 17.5 | 12.3 | 26.7 | 23.3 | 29.8 | 12.3 | 11.6 | 38.3 | 18.0 | 24.0 |
| Metal Surfacing | 28.6 | 18.6 | 30.9 | 27.0 | 50.6 | 20.5 | 16.7 | 25.9 | 26.2 | 40.1 | 13.7 | 24.0 | 12.6 | 20.4 | 24.4 |
| Synthetic or Rubber | 18.9 | 11.6 | 26.6 | 23.7 | 30.2 | 15.9 | 11.7 | 23.3 | 26.1 | 27.4 | 7.4 | 10.3 | 14.4 | 23.5 | 14.7 |
| Slate or Tile | 37.8 | 30.0 | 34.7 | 33.8 | 45.8 | 36.8 | 23.5 | 36.4 | 24.2 | 43.0 | 19.6 | 35.0 | 17.6 | 18.5 | 26.2 |
| Wooden Materials | 58.4 | 41.4 | 86.5 | 42.0 | 48.6 | 60.9 | 33.4 | 83.2 | 54.7 | 63.1 | 36.0 | 44.5 | 22.1 | 30.1 | 132.7 |
| Concrete | 72.9 | 99.1 | 64.0 | 74.1 | 72.5 | 62.6 | 98.9 | 96.5 | 36.2 | 87.9 | 54.0 | 1.7 | 993.6 | 35.8 | 67.0 |
| Other | 69.7 | 48.6 | 94.6 | 65.8 | 0.0 | 40.1 | 49.6 | 71.0 | 72.0 | 0.0 | 47.5 | 23.8 | 91.5 | 153.7 | 0.0 |
| No One Major Type | 71.4 | 58.3 | 76.1 | 82.1 | 96.8 | 74.7 | 57.6 | 74.7 | 5.4 | 96.8 | 5.1 | 44.6 | 15.2 | 81.2 | 0.2 |
| Renovations in Buildings Constructed Before 1980 (more than one may apply) | | | | | | | | | | | | | | | |
| Any Type of Renovation | 17.9 | 9.8 | 28.0 | 29.6 | 36.5 | 13.8 | 11.9 | 17.9 | 17.9 | 28.4 | 7.2 | 8.0 | 18.7 | 18.3 | 18.2 |
| Since 1980 | 17.6 | 16.4 | 42.3 | 49.5 | 43.0 | 15.8 | 15.2 | 36.0 | 37.1 | 36.0 | 5.9 | 10.8 | 58.2 | 24.5 | 19.5 |
| Addition or Annex | 43.7 | 46.5 | 45.1 | 71.7 | X | 49.2 | 59.2 | 37.5 | 63.7 | X | 18.9 | 40.4 | 27.1 | 31.3 | X |
| Reduction In Floorspace | 16.4 | 14.2 | 25.9 | 22.3 | 34.4 | 13.6 | 14.1 | 19.0 | 16.3 | 31.8 | 7.1 | 8.0 | 20.3 | 12.8 | 15.1 |
| Wall or Roof Replacement | 20.7 | 16.1 | 21.9 | 24.8 | 44.2 | 14.6 | 18.3 | 13.9 | 26.7 | 35.2 | 13.1 | 10.6 | 23.1 | 14.1 | 18.5 |
| Interior Wall | | | | | | | | | | | | | | | |
| Re-Configuration | 14.3 | 15.0 | 25.2 | 28.0 | 44.8 | 12.3 | 14.6 | 16.4 | 18.4 | 31.2 | 8.7 | 9.2 | 21.9 | 17.8 | 26.9 |
| HVAC Equipment Upgrade | 15.3 | 11.6 | 27.4 | 36.2 | 49.9 | 11.6 | 15.8 | 23.1 | 21.6 | 37.0 | 7.5 | 10.3 | 17.6 | 23.7 | 22.5 |
| Lighting Upgrade | 16.9 | 13.4 | 34.7 | 24.6 | 55.0 | 15.2 | 15.1 | 19.7 | 18.0 | 39.5 | 6.3 | 10.2 | 22.5 | 15.7 | 24.2 |
| Window Replacement | 31.0 | 14.7 | 27.0 | 22.5 | 46.9 | 19.7 | 16.6 | 17.1 | 26.4 | 44.9 | 16.6 | 12.4 | 32.3 | 20.5 | 40.7 |
| Plumbing System Upgrade | 20.7 | 15.7 | 30.8 | 25.2 | 55.0 | 16.7 | 19.2 | 17.5 | 25.2 | 42.9 | 8.9 | 11.6 | 37.0 | 16.2 | 27.6 |
| Insulation Upgrade | 22.5 | 17.1 | 27.9 | 33.7 | 62.7 | 16.3 | 18.2 | 35.4 | 38.7 | 47.5 | 15.6 | 12.4 | 17.6 | 37.9 | 48.9 |
| Other Renovation | 73.1 | 48.9 | 64.6 | 94.4 | 0.0 | 60.3 | 39.8 | 62.0 | 95.6 | 0.0 | 31.9 | 37.2 | 16.2 | 25.4 | 0.0 |
| No Renovations Since 1980 | 17.5 | 14.0 | 29.6 | 20.9 | 30.1 | 15.5 | 11.8 | 26.0 | 15.7 | 27.4 | 7.4 | 13.0 | 22.6 | 14.4 | 14.1 |
| Building Newer than 1980 | 20.8 | 16.4 | 26.6 | 20.4 | 22.2 | 18.4 | 12.2 | 18.5 | 17.5 | 24.7 | 8.6 | 10.4 | 16.7 | 12.7 | 16.0 |
| Energy Sources (more than one may apply) | | | | | | | | | | | | | | | |
| Electricity | 12.4 | 8.9 | 21.8 | 16.0 | 24.8 | 11.5 | 10.4 | 17.8 | 13.0 | 24.4 | 5.9 | 8.4 | 13.7 | 9.5 | 12.4 |
| Natural Gas | 13.3 | 6.8 | 21.5 | 19.1 | 23.3 | 12.1 | 7.5 | 16.9 | 13.3 | 22.0 | 5.9 | 7.3 | 12.7 | 9.7 | 12.8 |
| Fuel Oil | 21.4 | 26.9 | 28.8 | 30.9 | 27.9 | 21.5 | 18.0 | 26.9 | 20.2 | 42.7 | 11.1 | 14.6 | 14.1 | 19.6 | 25.8 |
| District Heat | 59.8 | 56.1 | 78.8 | 58.0 | 46.9 | 27.5 | 31.7 | 33.4 | 44.1 | 74.8 | 53.7 | 46.4 | 57.4 | 13.7 | 63.2 |
| District Chilled Water | 55.7 | 63.9 | 55.8 | 48.1 | 41.3 | 50.3 | 38.2 | 40.5 | 47.8 | 46.8 | 58.7 | 47.4 | 32.2 | 18.2 | 51.6 |
| Propane | 57.5 | 31.4 | 43.6 | 73.7 | 55.6 | 42.3 | 34.5 | 46.4 | 41.8 | 42.0 | 35.4 | 22.5 | 33.0 | 57.5 | 50.4 |
| Other | 45.2 | 42.3 | 46.3 | 44.6 | 90.3 | 42.8 | 34.3 | 35.1 | 35.5 | 61.2 | 19.9 | 16.8 | 34.3 | 26.9 | 94.2 |

RSEs for Table C30. Natural Gas Consumption and Conditional Energy Intensity by Climate Zone^a for Non-Mall Buildings, 2003

| | RSEs for Total Natural Gas Consumption | | | | | RSEs for Total Floorspace of Buildings Using Natural Gas | | | | | RSEs for Natural Gas Energy Intensity | | | | |
|--|--|--------|--------|--------|--------|--|--------|--------|--------|--------|---------------------------------------|--------|--------|--------|--------|
| | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 |
| All Buildings* | 13.3 | 6.8 | 21.5 | 19.1 | 23.3 | 12.1 | 7.5 | 16.9 | 13.3 | 22.0 | 5.9 | 7.3 | 12.7 | 9.7 | 12.8 |
| Space-Heating Energy Sources | | | | | | | | | | | | | | | |
| Natural Gas | 13.1 | 6.9 | 22.5 | 19.9 | 28.6 | 12.5 | 7.3 | 19.4 | 14.1 | 20.7 | 6.0 | 7.5 | 11.9 | 9.7 | 15.6 |
| Natural Gas Main | 12.9 | 7.2 | 22.8 | 20.3 | 30.9 | 12.1 | 7.5 | 19.2 | 15.1 | 22.2 | 6.5 | 7.8 | 12.1 | 10.2 | 15.6 |
| Natural Gas Secondary | 26.1 | 17.6 | 34.8 | 29.6 | 42.7 | 22.8 | 18.4 | 33.0 | 21.1 | 33.3 | 21.8 | 17.1 | 21.6 | 14.3 | 27.8 |
| Other Excluding Natural Gas | 52.2 | 36.8 | 28.1 | 22.8 | 32.7 | 22.7 | 25.0 | 50.2 | 19.8 | 31.0 | 47.5 | 22.8 | 61.0 | 19.1 | 30.9 |
| Buildings without Heating | X | 94.1 | 100.1 | 82.9 | 73.5 | X | 82.3 | 100.1 | 32.2 | 50.2 | X | 11.5 | . | 88.4 | 69.8 |
| Primary Space-Heating Energy Source | | | | | | | | | | | | | | | |
| Electricity | 24.8 | 21.8 | 29.7 | 19.6 | 28.2 | 19.6 | 21.7 | 30.0 | 15.9 | 27.5 | 20.4 | 14.1 | 9.5 | 10.0 | 19.8 |
| Natural Gas | 12.9 | 7.2 | 22.8 | 20.3 | 30.9 | 12.1 | 7.5 | 19.2 | 15.1 | 22.2 | 6.5 | 7.8 | 12.1 | 10.2 | 15.6 |
| Fuel Oil | 91.2 | 41.2 | 55.3 | 40.7 | 0.0 | 73.2 | 34.3 | 76.4 | 40.7 | 0.0 | 85.9 | 31.2 | 98.2 | 0.0 | 0.0 |
| District Heat | 49.1 | 56.0 | 56.1 | 66.9 | 59.3 | 27.8 | 33.4 | 33.9 | 48.2 | 81.5 | 38.9 | 52.7 | 46.7 | 16.6 | 78.2 |
| Propane | 0.0 | 0.0 | 0.0 | X | 0.0 | 0.0 | 0.0 | 0.0 | X | 0.0 | 0.0 | 0.0 | 0.0 | X | 0.0 |
| Other | 84.0 | 85.4 | X | 100.8 | 0.0 | 78.4 | 75.8 | X | 100.8 | 0.0 | 32.6 | 13.8 | X | 0.0 | 0.0 |
| Cooling Energy Sources | | | | | | | | | | | | | | | |
| Natural Gas | 37.3 | 34.5 | 60.1 | 47.8 | 59.3 | 56.2 | 32.9 | 42.9 | 57.5 | 56.0 | 53.1 | 22.4 | 40.1 | 95.6 | 20.4 |
| Other Excluding Natural Gas | 13.7 | 6.9 | 22.0 | 19.1 | 23.6 | 12.3 | 7.6 | 17.1 | 13.9 | 22.0 | 5.5 | 6.5 | 12.0 | 9.5 | 12.9 |
| Buildings without Cooling | 32.0 | 23.8 | 53.1 | 26.5 | X | 29.5 | 35.0 | 50.7 | 28.3 | X | 15.4 | 14.6 | 53.4 | 26.5 | X |
| Water-Heating Energy Sources | | | | | | | | | | | | | | | |
| Natural Gas | 13.7 | 9.7 | 22.7 | 19.9 | 23.4 | 13.2 | 7.9 | 19.7 | 12.3 | 20.4 | 5.7 | 7.3 | 14.6 | 11.2 | 15.2 |
| Other Excluding Natural Gas | 18.5 | 18.6 | 24.6 | 24.0 | 32.4 | 13.0 | 15.3 | 15.4 | 22.8 | 34.1 | 15.0 | 16.2 | 13.5 | 15.5 | 31.4 |
| Bldgs without Water Heating | 36.8 | 22.7 | 44.2 | 40.2 | 65.4 | 17.6 | 24.1 | 40.0 | 28.8 | 47.4 | 32.9 | 18.9 | 12.9 | 25.9 | 59.5 |
| Cooking Energy Sources | | | | | | | | | | | | | | | |
| Natural Gas | 21.4 | 10.2 | 27.9 | 24.2 | 22.3 | 16.3 | 9.7 | 29.6 | 18.6 | 21.8 | 7.8 | 7.9 | 31.3 | 14.4 | 15.0 |
| Other Excluding Natural Gas | 18.5 | 24.3 | 29.9 | 27.8 | 52.7 | 22.6 | 14.7 | 35.0 | 29.2 | 41.0 | 9.8 | 18.4 | 16.4 | 29.6 | 14.6 |
| Buildings without Cooking | 14.2 | 9.1 | 22.2 | 19.3 | 36.9 | 13.3 | 8.3 | 19.6 | 15.3 | 24.0 | 7.2 | 10.1 | 12.4 | 12.5 | 20.5 |
| Energy End Uses (more than one may apply) | | | | | | | | | | | | | | | |
| Buildings with Space Heating | 13.3 | 6.9 | 21.6 | 19.3 | 23.7 | 12.1 | 7.5 | 16.9 | 13.4 | 22.1 | 5.9 | 7.3 | 13.0 | 10.0 | 13.3 |
| Buildings with Cooling | 13.5 | 7.5 | 21.5 | 19.4 | 23.3 | 12.2 | 7.5 | 17.0 | 13.7 | 22.0 | 5.4 | 6.6 | 12.1 | 9.8 | 12.8 |
| Buildings with Water Heating | 13.3 | 6.9 | 21.7 | 19.8 | 23.0 | 12.1 | 7.3 | 17.4 | 13.6 | 22.1 | 5.8 | 7.2 | 13.1 | 10.2 | 13.3 |
| Buildings with Cooking | 19.5 | 10.6 | 26.0 | 23.8 | 22.0 | 16.1 | 9.7 | 27.0 | 18.5 | 23.8 | 6.0 | 8.3 | 27.0 | 14.3 | 13.4 |
| Buildings with Manufacturing | 49.5 | 30.1 | 45.5 | 38.0 | 61.4 | 36.3 | 19.2 | 29.0 | 33.3 | 65.4 | 24.0 | 26.4 | 30.9 | 31.8 | 142.6 |
| Buildings with Electricity Generation | 26.4 | 18.4 | 26.3 | 27.3 | 26.7 | 21.5 | 12.5 | 19.0 | 18.0 | 27.0 | 12.9 | 9.7 | 19.7 | 18.9 | 24.6 |
| Percent of Floorspace Heated | | | | | | | | | | | | | | | |
| Not Heated | X | 94.1 | 100.1 | 82.9 | 73.5 | X | 82.3 | 100.1 | 32.2 | 50.2 | X | 11.5 | . | 88.4 | 69.8 |
| 1 to 50 | 46.7 | 30.8 | 36.5 | 32.6 | 38.7 | 34.0 | 29.6 | 37.9 | 15.3 | 30.4 | 17.6 | 24.0 | 9.8 | 34.4 | 22.9 |
| 51 to 99 | 23.5 | 18.4 | 43.3 | 19.4 | 32.6 | 21.2 | 22.5 | 24.3 | 16.3 | 29.6 | 15.3 | 9.6 | 37.0 | 11.7 | 25.5 |
| 100 | 14.4 | 7.4 | 22.7 | 21.5 | 24.6 | 13.6 | 8.0 | 20.8 | 16.3 | 26.0 | 5.0 | 7.4 | 16.7 | 9.3 | 12.6 |
| Percent of Floorspace Cooled | | | | | | | | | | | | | | | |
| Not Cooled | 32.0 | 23.8 | 53.1 | 26.5 | X | 29.5 | 35.0 | 50.7 | 28.3 | X | 15.4 | 14.6 | 53.4 | 26.5 | X |
| 1 to 50 | 23.0 | 11.2 | 27.9 | 25.6 | 51.3 | 20.4 | 12.6 | 16.9 | 27.3 | 32.7 | 7.7 | 9.7 | 20.2 | 21.0 | 40.7 |
| 51 to 99 | 22.5 | 16.8 | 34.1 | 23.6 | 32.9 | 18.9 | 12.6 | 23.6 | 20.2 | 22.0 | 11.3 | 11.0 | 28.7 | 13.3 | 21.5 |
| 100 | 19.8 | 10.9 | 24.5 | 22.3 | 22.8 | 16.2 | 9.8 | 21.1 | 13.9 | 27.2 | 8.5 | 8.0 | 15.3 | 14.8 | 11.7 |

RSEs for Table C30. Natural Gas Consumption and Conditional Energy Intensity by Climate Zone^a for Non-Mall Buildings, 2003

| | RSEs for Total Natural Gas Consumption | | | | | RSEs for Total Floorspace of Buildings Using Natural Gas | | | | | RSEs for Natural Gas Energy Intensity | | | | |
|---|--|--------|--------|--------|--------|--|--------|--------|--------|--------|---------------------------------------|--------|--------|--------|--------|
| | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 |
| All Buildings* | 13.3 | 6.8 | 21.5 | 19.1 | 23.3 | 12.1 | 7.5 | 16.9 | 13.3 | 22.0 | 5.9 | 7.3 | 12.7 | 9.7 | 12.8 |
| Heating Equipment (more than one may apply) | | | | | | | | | | | | | | | |
| Heat Pumps | 31.8 | 42.7 | 27.3 | 42.9 | 42.5 | 33.0 | 28.8 | 30.1 | 15.9 | 37.8 | 17.8 | 29.4 | 21.4 | 33.9 | 32.5 |
| Packaged Heat Pumps | 32.8 | 53.9 | 28.9 | 64.8 | 42.5 | 32.9 | 36.6 | 38.6 | 29.1 | 35.4 | 20.8 | 39.1 | 29.3 | 55.3 | 33.4 |
| Split-System Heat Pumps | 51.9 | 36.4 | 33.8 | 34.3 | 56.8 | 50.1 | 37.0 | 50.3 | 25.0 | 49.6 | 41.8 | 45.6 | 44.0 | 30.2 | 37.0 |
| Individual Room Heat Pumps | 42.1 | 49.4 | 42.2 | 26.5 | 53.2 | 42.4 | 28.9 | 37.6 | 25.6 | 43.8 | 18.5 | 44.0 | 30.1 | 25.4 | 46.4 |
| Furnaces | 14.4 | 9.7 | 25.4 | 32.1 | 28.2 | 13.2 | 11.4 | 16.0 | 24.0 | 27.6 | 8.0 | 8.1 | 18.1 | 15.9 | 13.9 |
| Individual Space Heaters | 15.1 | 16.6 | 29.0 | 32.8 | 42.2 | 15.4 | 13.5 | 23.4 | 21.6 | 28.7 | 6.3 | 13.0 | 22.8 | 21.3 | 26.1 |
| District Heat | 63.2 | 56.0 | 74.2 | 58.0 | 46.9 | 25.7 | 33.4 | 33.9 | 44.1 | 74.8 | 63.2 | 52.7 | 57.4 | 13.7 | 63.2 |
| Boilers | 15.4 | 10.9 | 27.8 | 24.0 | 29.1 | 14.4 | 8.5 | 27.9 | 19.8 | 25.3 | 6.0 | 7.5 | 25.3 | 15.7 | 18.4 |
| Packaged Heating Units | 24.3 | 12.7 | 23.2 | 28.4 | 25.0 | 20.5 | 10.5 | 21.1 | 14.4 | 21.5 | 10.9 | 13.3 | 12.8 | 21.1 | 16.8 |
| Other | 36.4 | 42.9 | 37.0 | 34.5 | 62.1 | 33.9 | 31.9 | 37.1 | 60.7 | 62.2 | 11.1 | 32.1 | 27.9 | 87.5 | 55.6 |
| Cooling Equipment (more than one may apply) | | | | | | | | | | | | | | | |
| Residential-Type Central | | | | | | | | | | | | | | | |
| Air Conditioners | 14.6 | 13.5 | 28.6 | 32.1 | 35.8 | 16.6 | 10.5 | 28.7 | 19.7 | 31.3 | 7.1 | 13.3 | 36.2 | 26.4 | 14.8 |
| Heat Pumps | 31.4 | 40.4 | 27.2 | 43.9 | 42.6 | 32.4 | 27.0 | 30.4 | 17.3 | 36.8 | 14.7 | 27.8 | 20.8 | 34.0 | 29.7 |
| Packaged Heat Pumps | 31.6 | 50.7 | 30.1 | 68.5 | 42.7 | 32.4 | 34.4 | 37.9 | 34.7 | 36.1 | 17.6 | 36.4 | 31.4 | 56.9 | 33.8 |
| Split-System Heat Pumps | 51.9 | 34.8 | 35.0 | 34.5 | 57.4 | 50.1 | 32.7 | 51.2 | 25.4 | 51.8 | 41.8 | 36.6 | 44.0 | 30.4 | 30.9 |
| Individual Room Heat Pumps | 42.1 | 49.4 | 42.2 | 25.7 | 52.4 | 42.4 | 28.9 | 37.6 | 25.9 | 40.5 | 18.5 | 44.0 | 30.1 | 25.8 | 45.2 |
| Individual Air Conditioners | 13.4 | 14.3 | 34.2 | 43.7 | 36.8 | 17.6 | 13.6 | 28.6 | 20.2 | 32.2 | 7.8 | 9.1 | 30.7 | 32.3 | 24.9 |
| District Chilled Water | 55.7 | 63.9 | 55.8 | 48.1 | 41.3 | 50.3 | 38.2 | 40.5 | 47.8 | 46.8 | 58.7 | 47.4 | 32.2 | 18.2 | 51.6 |
| Central Chillers | 20.2 | 19.5 | 31.7 | 27.1 | 26.1 | 15.5 | 13.4 | 30.9 | 25.3 | 28.9 | 14.6 | 10.6 | 23.7 | 20.8 | 14.0 |
| Packaged Air Conditioning | | | | | | | | | | | | | | | |
| Units | 13.8 | 7.9 | 23.9 | 22.2 | 26.6 | 13.6 | 9.6 | 18.6 | 15.6 | 21.1 | 5.7 | 8.9 | 18.2 | 11.5 | 14.8 |
| Swamp Coolers | 27.0 | 37.3 | 71.1 | 31.8 | 41.3 | 28.9 | 24.2 | 80.0 | 38.3 | 57.6 | 14.9 | 30.1 | 46.1 | 52.4 | 31.9 |
| Other | 65.5 | 47.2 | 59.5 | 92.8 | 38.1 | 57.1 | 38.6 | 28.3 | 75.5 | 62.5 | 10.7 | 28.9 | 60.5 | 71.1 | 15.4 |
| Main Equipment Replaced Since 1990 (more than one may apply) | | | | | | | | | | | | | | | |
| Heating | 18.4 | 14.1 | 28.3 | 20.0 | 40.0 | 12.5 | 11.8 | 22.9 | 15.1 | 31.4 | 11.5 | 12.8 | 21.5 | 19.6 | 16.8 |
| Cooling | 17.6 | 12.5 | 26.1 | 19.1 | 31.7 | 12.5 | 12.0 | 19.7 | 10.6 | 26.1 | 9.2 | 10.1 | 17.0 | 16.2 | 12.8 |
| Water Heating Equipment | | | | | | | | | | | | | | | |
| Centralized System | 13.7 | 8.8 | 20.6 | 20.6 | 25.3 | 12.2 | 7.5 | 17.3 | 17.7 | 29.6 | 6.3 | 9.2 | 13.5 | 9.5 | 16.7 |
| Distributed System | 31.1 | 25.1 | 26.6 | 22.6 | 35.0 | 17.2 | 20.1 | 34.2 | 17.2 | 29.1 | 25.5 | 17.7 | 37.5 | 20.1 | 25.5 |
| Combination of Centralized and Distributed System | 15.3 | 22.2 | 35.3 | 37.0 | 25.1 | 15.4 | 14.6 | 28.4 | 17.2 | 20.4 | 9.4 | 13.8 | 25.9 | 31.7 | 14.9 |
| Energy-Related Space Functions (more than one may apply) | | | | | | | | | | | | | | | |
| Commercial Food Preparation | 19.5 | 10.6 | 26.0 | 23.8 | 22.0 | 16.1 | 9.6 | 27.0 | 18.5 | 23.8 | 6.0 | 8.3 | 27.0 | 14.3 | 13.4 |
| Activities with Large Amounts of Hot Water | 16.0 | 13.7 | 25.4 | 23.2 | 21.6 | 13.5 | 11.6 | 29.7 | 18.1 | 23.4 | 7.9 | 11.8 | 37.0 | 12.9 | 14.8 |
| Separate Computer Area | 18.2 | 12.7 | 28.1 | 19.7 | 27.1 | 16.6 | 10.8 | 19.4 | 13.6 | 30.4 | 6.8 | 8.6 | 16.1 | 10.1 | 12.4 |
| HVAC Conservation Features (more than one may apply) | | | | | | | | | | | | | | | |
| Variable Air-Volume System | 20.2 | 16.0 | 30.3 | 18.5 | 26.7 | 17.5 | 10.5 | 24.5 | 13.9 | 30.4 | 8.1 | 9.5 | 21.1 | 10.5 | 13.2 |
| Economizer Cycle | 13.9 | 13.5 | 26.8 | 16.3 | 35.5 | 11.7 | 10.7 | 24.0 | 13.9 | 35.8 | 5.4 | 9.3 | 15.2 | 16.0 | 14.9 |
| HVAC Maintenance | 14.3 | 8.5 | 22.5 | 19.9 | 23.6 | 12.5 | 7.7 | 18.1 | 13.5 | 22.4 | 6.9 | 6.9 | 13.9 | 11.1 | 13.3 |
| Energy Management and Control System (EMCS) | 28.2 | 16.8 | 29.9 | 23.9 | 31.4 | 19.7 | 11.4 | 26.0 | 17.0 | 31.1 | 13.8 | 11.9 | 19.7 | 10.8 | 20.3 |

RSEs for Table C30. Natural Gas Consumption and Conditional Energy Intensity by Climate Zone^a for Non-Mall Buildings, 2003

| | RSEs for Total Natural Gas Consumption | | | | | RSEs for Total Floorspace of Buildings Using Natural Gas | | | | | RSEs for Natural Gas Energy Intensity | | | | |
|--|--|--------|--------|--------|--------|--|--------|--------|--------|--------|---------------------------------------|--------|--------|--------|--------|
| | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 | Zone 1 | Zone 2 | Zone 3 | Zone 4 | Zone 5 |
| All Buildings* | 13.3 | 6.8 | 21.5 | 19.1 | 23.3 | 12.1 | 7.5 | 16.9 | 13.3 | 22.0 | 5.9 | 7.3 | 12.7 | 9.7 | 12.8 |
| Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^b | | | | | | | | | | | | | | | |
| Heating | 16.4 | 8.3 | 22.6 | 17.4 | 26.1 | 13.5 | 8.6 | 16.9 | 13.4 | 23.9 | 7.9 | 7.5 | 15.9 | 6.1 | 14.1 |
| Cooling | 15.1 | 8.3 | 22.4 | 17.7 | 24.2 | 13.5 | 7.5 | 17.3 | 13.7 | 22.7 | 7.4 | 7.2 | 15.0 | 7.6 | 12.4 |
| Lighting | 13.9 | 6.8 | 20.0 | 15.8 | 28.4 | 11.8 | 7.7 | 16.5 | 12.5 | 20.0 | 8.4 | 7.3 | 13.4 | 9.2 | 24.2 |
| Office Equipment | 15.0 | 12.2 | 26.6 | 22.0 | 31.1 | 14.7 | 12.2 | 18.3 | 18.1 | 21.7 | 9.5 | 11.4 | 27.5 | 14.8 | 28.8 |
| Annual Consumption (hundred cubic feet) | | | | | | | | | | | | | | | |
| 1,000 or Less | 22.1 | 12.9 | 14.9 | 19.7 | 31.3 | 18.7 | 21.0 | 47.4 | 26.7 | 29.1 | 14.0 | 14.0 | 74.1 | 15.5 | 19.8 |
| 1,001 to 5,000 | 15.7 | 15.7 | 21.0 | 23.6 | 24.4 | 19.3 | 18.6 | 23.0 | 20.6 | 24.3 | 9.1 | 7.7 | 10.1 | 10.7 | 20.6 |
| 5,001 to 10,000 | 19.5 | 10.8 | 18.2 | 17.3 | 32.3 | 16.8 | 12.7 | 22.4 | 20.8 | 25.3 | 6.5 | 11.0 | 15.3 | 15.0 | 24.1 |
| 10,001 to 25,000 | 22.9 | 13.3 | 25.9 | 22.2 | 30.4 | 21.0 | 12.1 | 20.6 | 24.5 | 24.3 | 6.8 | 11.5 | 10.7 | 22.6 | 16.2 |
| 25,001 to 50,000 | 18.7 | 15.7 | 17.6 | 28.0 | 52.3 | 17.9 | 13.7 | 33.3 | 22.4 | 34.6 | 12.4 | 11.2 | 48.3 | 23.3 | 29.9 |
| 50,001 to 100,000 | 26.8 | 22.8 | 40.7 | 41.0 | 47.9 | 28.2 | 17.8 | 31.1 | 28.3 | 46.4 | 19.6 | 13.1 | 31.9 | 27.1 | 28.0 |
| Over 100,000 | 21.3 | 18.0 | 36.1 | 35.2 | 31.4 | 20.4 | 15.9 | 31.2 | 35.4 | 44.5 | 7.0 | 9.1 | 24.9 | 17.8 | 15.3 |
| Provider of Natural Gas (more than one may apply) | | | | | | | | | | | | | | | |
| Local Utility | 13.9 | 7.7 | 22.2 | 19.5 | 24.4 | 11.7 | 8.4 | 17.5 | 13.6 | 21.8 | 7.2 | 7.6 | 14.2 | 10.0 | 15.2 |
| Some Other Provider | 23.3 | 18.4 | 31.6 | 29.9 | 58.6 | 24.3 | 17.3 | 32.7 | 34.7 | 64.8 | 8.0 | 13.2 | 33.4 | 21.2 | 17.4 |

X=No cases in the responding sample reported their consumption for the particular fuel, so relative standard error could not be calculated.

RSEs for Table C31. Natural Gas Consumption and Conditional Energy Intensity by Building Size for Non-Mall Buildings, 2003

| | RSEs for Total Natural Gas Consumption | | | RSEs for Total Floorspace of Buildings Using Natural Gas | | | RSEs for Natural Gas Energy Intensity | | |
|--------------------------------------|--|-------------------------------|--------------------------|--|-------------------------------|--------------------------|---------------------------------------|-------------------------------|--------------------------|
| | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet |
| All Buildings* | 8.8 | 6.4 | 10.4 | 6.9 | 5.0 | 9.1 | 6.4 | 5.0 | 7.8 |
| Principal Building Activity | | | | | | | | | |
| Education | 52.6 | 11.6 | 14.0 | 19.0 | 9.7 | 11.4 | 38.9 | 6.5 | 12.1 |
| Food Sales | 32.8 | 30.5 | 22.6 | 23.8 | 23.8 | 18.2 | 29.1 | 23.0 | 29.8 |
| Food Service | 14.4 | 21.9 | 0.0 | 10.8 | 20.5 | 0.0 | 8.6 | 14.5 | 0.0 |
| Health Care | 35.7 | 24.2 | 16.0 | 24.8 | 18.4 | 14.4 | 20.4 | 10.8 | 6.4 |
| Inpatient | 0.0 | 36.5 | 16.3 | 0.0 | 34.8 | 14.9 | 0.0 | 10.2 | 6.1 |
| Outpatient | 35.7 | 29.1 | 54.4 | 24.8 | 19.3 | 44.9 | 20.4 | 16.7 | 50.9 |
| Lodging | 36.1 | 13.3 | 25.5 | 37.5 | 11.6 | 23.3 | 36.7 | 10.6 | 25.5 |
| Retail (Other Than Mall)..... | 28.7 | 18.5 | 32.6 | 13.5 | 17.5 | 26.9 | 20.8 | 14.6 | 24.1 |
| Office | 11.4 | 18.2 | 28.6 | 9.8 | 12.1 | 17.2 | 8.7 | 12.7 | 25.2 |
| Public Assembly | 23.6 | 22.3 | 39.0 | 19.0 | 15.0 | 37.4 | 16.0 | 15.9 | 51.5 |
| Public Order and Safety | 44.3 | 32.3 | 35.6 | 34.7 | 26.4 | 33.4 | 26.9 | 27.6 | 15.8 |
| Religious Worship | 14.5 | 14.8 | 45.1 | 14.4 | 14.8 | 42.6 | 12.9 | 9.4 | 25.7 |
| Service | 27.7 | 25.3 | 46.3 | 15.1 | 22.2 | 58.2 | 21.2 | 12.8 | 53.9 |
| Warehouse and Storage | 24.8 | 26.9 | 36.3 | 21.5 | 14.4 | 21.6 | 20.6 | 22.3 | 28.0 |
| Other | 39.0 | 45.2 | 44.7 | 39.9 | 27.1 | 43.2 | 29.0 | 35.1 | 61.8 |
| Vacant | 54.7 | 36.5 | 54.2 | 50.3 | 36.5 | 44.0 | 59.1 | 29.9 | 29.3 |
| Year Constructed | | | | | | | | | |
| Before 1920 | 17.6 | 21.7 | 45.3 | 21.5 | 18.0 | 33.8 | 13.9 | 11.3 | 19.5 |
| 1920 to 1945 | 20.3 | 21.0 | 36.1 | 14.2 | 15.7 | 24.7 | 17.8 | 15.8 | 34.1 |
| 1946 to 1959 | 17.4 | 12.1 | 34.9 | 16.9 | 11.5 | 30.7 | 8.7 | 9.3 | 40.4 |
| 1960 to 1969 | 16.3 | 13.4 | 14.4 | 14.0 | 13.7 | 14.6 | 14.0 | 12.0 | 10.7 |
| 1970 to 1979 | 19.7 | 11.7 | 17.8 | 13.7 | 10.4 | 16.9 | 16.9 | 6.5 | 13.3 |
| 1980 to 1989 | 16.8 | 19.9 | 28.2 | 16.6 | 10.1 | 17.5 | 14.4 | 16.8 | 23.2 |
| 1990 to 1999 | 20.1 | 11.6 | 19.4 | 15.1 | 10.1 | 14.3 | 15.3 | 10.5 | 17.3 |
| 2000 to 2003 | 29.1 | 17.6 | 31.9 | 33.6 | 12.8 | 16.4 | 32.7 | 12.0 | 23.9 |
| Census Region and Division | | | | | | | | | |
| Northeast | 11.6 | 9.9 | 20.4 | 9.6 | 12.7 | 20.3 | 9.2 | 8.3 | 23.6 |
| New England | 10.8 | 30.4 | 39.6 | 14.6 | 35.4 | 32.0 | 12.9 | 27.4 | 12.6 |
| Middle Atlantic | 13.1 | 10.5 | 23.6 | 11.3 | 13.4 | 22.4 | 10.3 | 7.1 | 27.5 |
| Midwest | 12.6 | 10.5 | 15.5 | 12.0 | 8.5 | 11.5 | 9.9 | 8.7 | 10.7 |
| East North Central | 15.9 | 7.8 | 18.2 | 16.5 | 9.0 | 12.8 | 11.7 | 10.9 | 12.7 |
| West North Central | 9.2 | 30.3 | 19.2 | 15.3 | 18.6 | 22.6 | 15.9 | 17.1 | 14.6 |
| South | 15.6 | 12.9 | 20.4 | 13.9 | 9.3 | 20.4 | 14.4 | 10.9 | 11.3 |
| South Atlantic | 30.3 | 17.7 | 37.5 | 19.6 | 18.8 | 30.2 | 22.4 | 12.4 | 20.9 |
| East South Central | 34.2 | 31.7 | 16.7 | 29.7 | 14.6 | 24.5 | 17.1 | 29.7 | 8.0 |
| West South Central | 18.1 | 16.1 | 27.5 | 22.2 | 14.1 | 33.4 | 26.6 | 10.7 | 15.8 |
| West | 28.1 | 15.6 | 27.7 | 15.3 | 11.6 | 13.5 | 17.8 | 8.8 | 18.4 |
| Mountain | 37.9 | 26.4 | 42.4 | 21.5 | 17.9 | 32.6 | 16.7 | 8.8 | 17.8 |
| Pacific | 41.8 | 12.9 | 26.2 | 21.6 | 15.0 | 11.8 | 29.5 | 6.5 | 20.2 |
| Climate Zone: 30-Year Average | | | | | | | | | |
| Under 2,000 CDD and -- | | | | | | | | | |
| More than 7,000 HDD | 20.5 | 14.3 | 19.3 | 15.5 | 13.0 | 15.0 | 12.4 | 5.8 | 9.9 |
| 5,500-7,000 HDD | 11.1 | 8.9 | 18.0 | 13.0 | 11.1 | 13.1 | 9.1 | 10.3 | 10.9 |
| 4,000-5,499 HDD | 18.2 | 24.6 | 29.8 | 15.6 | 19.8 | 25.9 | 13.0 | 13.9 | 27.2 |
| Fewer than 4,000 HDD | 22.6 | 16.1 | 29.9 | 17.3 | 15.1 | 18.7 | 17.1 | 7.5 | 15.8 |
| 2,000 CDD or More and -- | | | | | | | | | |
| Fewer than 4,000 HDD | 27.4 | 32.7 | 25.2 | 34.5 | 27.1 | 28.0 | 37.4 | 14.4 | 12.9 |

RSEs for Table C31. Natural Gas Consumption and Conditional Energy Intensity by Building Size for Non-Mall Buildings, 2003

| | RSEs for Total Natural Gas Consumption | | | RSEs for Total Floorspace of Buildings Using Natural Gas | | | RSEs for Natural Gas Energy Intensity | | |
|---------------------------------------|--|-------------------------------|--------------------------|--|-------------------------------|--------------------------|---------------------------------------|-------------------------------|--------------------------|
| | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet |
| All Buildings* | 8.8 | 6.4 | 10.4 | 6.9 | 5.0 | 9.1 | 6.4 | 5.0 | 7.8 |
| Number of Floors | | | | | | | | | |
| One | 11.2 | 9.2 | 23.4 | 8.6 | 6.9 | 19.2 | 8.7 | 7.9 | 22.4 |
| Two | 10.3 | 11.1 | 18.4 | 10.8 | 8.0 | 17.0 | 11.4 | 8.6 | 16.6 |
| Three | 23.2 | 9.8 | 29.1 | 14.0 | 9.0 | 17.0 | 19.0 | 7.8 | 18.5 |
| Four to Nine | 46.6 | 14.4 | 12.6 | 47.4 | 13.3 | 15.3 | 25.7 | 8.4 | 14.0 |
| Ten or More | 0.0 | 83.8 | 23.7 | 0.0 | 69.8 | 20.4 | 0.0 | 50.1 | 20.5 |
| Number of Workers (main shift) | | | | | | | | | |
| Fewer than 5 | 11.1 | 13.4 | 51.9 | 9.4 | 12.6 | 42.4 | 8.1 | 11.6 | 20.8 |
| 5 to 9 | 15.1 | 15.4 | 64.7 | 11.4 | 11.3 | 49.4 | 13.5 | 10.5 | 42.4 |
| 10 to 19 | 19.2 | 10.9 | 49.5 | 11.8 | 9.7 | 56.9 | 13.2 | 9.5 | 78.6 |
| 20 to 49 | 23.1 | 12.0 | 28.6 | 15.9 | 7.6 | 33.0 | 15.7 | 8.8 | 41.0 |
| 50 to 99 | 44.7 | 11.6 | 15.6 | 44.4 | 8.9 | 13.2 | 34.4 | 7.4 | 11.6 |
| 100 to 249 | X | 13.6 | 19.7 | X | 11.6 | 11.8 | X | 10.8 | 13.5 |
| 250 or More | 0.0 | 30.7 | 14.4 | 0.0 | 28.8 | 13.4 | 0.0 | 20.1 | 11.4 |
| Weekly Operating Hours | | | | | | | | | |
| Fewer than 40 | 26.1 | 15.0 | 44.7 | 16.2 | 17.9 | 33.9 | 14.6 | 14.4 | 31.1 |
| 40 to 48 | 11.1 | 15.5 | 33.9 | 9.0 | 9.8 | 29.8 | 7.9 | 12.4 | 40.6 |
| 49 to 60 | 10.8 | 14.0 | 26.2 | 10.7 | 8.9 | 15.4 | 9.2 | 11.5 | 19.0 |
| 61 to 84 | 18.3 | 11.8 | 21.9 | 13.0 | 9.3 | 15.4 | 14.1 | 8.3 | 17.2 |
| 85 to 167 | 18.6 | 13.7 | 15.4 | 16.3 | 12.2 | 13.4 | 18.1 | 11.9 | 12.0 |
| Open Continuously | 22.0 | 10.2 | 13.2 | 20.7 | 9.9 | 11.0 | 14.1 | 7.7 | 8.5 |
| Ownership and Occupancy | | | | | | | | | |
| Nongovernment Owned | 8.3 | 7.9 | 12.8 | 6.4 | 5.6 | 11.4 | 6.7 | 6.4 | 9.9 |
| Owner Occupied | 11.7 | 10.9 | 16.9 | 8.4 | 8.2 | 12.1 | 7.5 | 8.3 | 13.1 |
| Nonowner Occupied | 11.7 | 9.7 | 17.2 | 8.9 | 6.7 | 14.4 | 10.1 | 8.6 | 13.8 |
| Unoccupied | 67.3 | 48.0 | 61.8 | 59.8 | 47.2 | 50.9 | 82.2 | 44.0 | 20.4 |
| Government Owned | 30.3 | 8.9 | 11.7 | 16.1 | 8.1 | 9.6 | 19.9 | 5.6 | 9.5 |
| Federal | 72.4 | 42.4 | 28.5 | 66.8 | 33.7 | 37.1 | 41.2 | 20.5 | 30.4 |
| State | 78.1 | 20.5 | 34.7 | 49.6 | 18.5 | 22.4 | 37.2 | 12.7 | 26.1 |
| Local | 21.3 | 10.4 | 12.8 | 16.2 | 10.3 | 11.4 | 13.6 | 6.5 | 10.7 |
| Vacancy Status | | | | | | | | | |
| Completely Vacant | 67.3 | 43.8 | 55.0 | 59.8 | 45.8 | 45.9 | 82.2 | 40.7 | 29.3 |
| Mostly Vacant | 74.3 | 59.5 | 100.9 | 71.2 | 47.5 | 100.9 | 7.9 | 33.1 | 0.0 |
| Partially Vacant | 13.8 | 14.4 | 17.2 | 15.4 | 8.6 | 13.7 | 13.8 | 11.1 | 14.9 |
| Not At All Vacant | 9.1 | 7.1 | 12.7 | 7.3 | 5.4 | 11.5 | 6.5 | 5.1 | 10.4 |
| Number of Establishments | | | | | | | | | |
| One | 8.9 | 6.9 | 13.0 | 7.1 | 5.4 | 12.5 | 7.1 | 5.1 | 11.5 |
| 2 to 5 | 25.5 | 14.7 | 16.7 | 15.2 | 10.5 | 12.8 | 19.0 | 13.3 | 10.1 |
| 6 to 10 | 60.4 | 24.4 | 36.5 | 51.8 | 18.4 | 27.8 | 48.6 | 19.1 | 23.4 |
| 11 to 20 | 0.0 | 26.6 | 36.5 | 0.0 | 19.9 | 27.3 | 0.0 | 20.9 | 29.5 |
| More than 20 | 100.1 | 55.0 | 39.6 | 100.1 | 46.3 | 22.3 | 0.0 | 34.3 | 34.6 |
| Currently Unoccupied | 67.3 | 43.8 | 55.0 | 59.8 | 45.8 | 45.9 | 82.2 | 40.7 | 29.3 |

RSEs for Table C31. Natural Gas Consumption and Conditional Energy Intensity by Building Size for Non-Mall Buildings, 2003

| | RSEs for Total Natural Gas Consumption | | | RSEs for Total Floorspace of Buildings Using Natural Gas | | | RSEs for Natural Gas Energy Intensity | | |
|---|--|-------------------------------|--------------------------|--|-------------------------------|--------------------------|---------------------------------------|-------------------------------|--------------------------|
| | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet |
| All Buildings* | 8.8 | 6.4 | 10.4 | 6.9 | 5.0 | 9.1 | 6.4 | 5.0 | 7.8 |
| Predominant Exterior Wall Material | | | | | | | | | |
| Brick, Stone or Stucco | 11.8 | 6.4 | 13.4 | 8.0 | 5.9 | 12.9 | 8.8 | 3.9 | 13.1 |
| Concrete (Block or Poured) | 12.8 | 18.6 | 25.9 | 11.4 | 13.2 | 16.3 | 9.7 | 14.9 | 19.1 |
| Concrete Panels | 45.3 | 22.8 | 29.3 | 25.8 | 11.0 | 18.8 | 38.7 | 18.9 | 21.5 |
| Siding or Shingles | 14.6 | 19.6 | 36.2 | 15.0 | 22.2 | 31.1 | 15.7 | 16.5 | 24.6 |
| Metal Panels | 27.3 | 21.7 | 31.9 | 21.7 | 14.6 | 18.1 | 15.0 | 15.8 | 24.7 |
| Window Glass | 66.6 | 56.1 | 46.7 | 58.8 | 54.6 | 26.5 | 22.7 | 13.2 | 28.9 |
| Other | 55.5 | 48.5 | 36.0 | 39.4 | 37.8 | 30.9 | 46.1 | 32.5 | 18.2 |
| No One Major Type | 71.0 | 54.8 | 67.5 | 60.6 | 51.2 | 53.9 | 62.5 | 10.1 | 63.4 |
| Predominant Roof Material | | | | | | | | | |
| Built-Up | 15.6 | 10.5 | 16.4 | 11.9 | 7.1 | 12.1 | 12.6 | 8.3 | 10.3 |
| Shingles (Not Wood) | 15.1 | 11.3 | 50.0 | 10.4 | 10.0 | 28.9 | 10.6 | 8.9 | 39.9 |
| Metal Surfacing | 16.8 | 17.0 | 25.9 | 13.1 | 11.9 | 20.9 | 12.2 | 14.6 | 17.4 |
| Synthetic or Rubber | 15.9 | 11.1 | 11.8 | 13.9 | 9.3 | 10.7 | 12.3 | 7.3 | 10.0 |
| Slate or Tile | 22.1 | 21.4 | 54.9 | 16.3 | 18.9 | 42.5 | 19.5 | 18.0 | 34.8 |
| Wooden Materials | 39.8 | 38.0 | 67.1 | 33.6 | 24.1 | 66.6 | 32.4 | 43.9 | 141.5 |
| Concrete | 41.9 | 48.4 | 58.6 | 22.9 | 46.6 | 80.1 | 38.8 | 30.7 | 159.2 |
| Other | 100.1 | 45.0 | 58.6 | 100.1 | 42.0 | 57.1 | 0.0 | 27.0 | 91.5 |
| No One Major Type | 58.4 | 43.6 | 66.9 | 47.8 | 52.6 | 53.6 | 30.3 | 25.5 | 37.7 |
| Renovations in Buildings Constructed Before 1980 (more than one may apply) | | | | | | | | | |
| Any Type of Renovation | | | | | | | | | |
| Since 1980 | 12.7 | 11.5 | 14.7 | 11.1 | 8.6 | 11.0 | 10.6 | 7.2 | 10.0 |
| Addition or Annex | 26.7 | 20.8 | 19.3 | 21.1 | 14.0 | 19.3 | 16.8 | 10.4 | 18.4 |
| Reduction In Floorspace | 75.8 | 39.9 | 33.6 | 69.4 | 41.0 | 33.2 | 9.7 | 17.8 | 20.4 |
| Cosmetic Improvements | 17.4 | 9.7 | 14.8 | 13.2 | 8.9 | 12.2 | 12.5 | 6.3 | 11.6 |
| Wall or Roof Replacement | 22.8 | 13.8 | 14.9 | 18.6 | 13.0 | 12.8 | 16.9 | 8.7 | 13.4 |
| Interior Wall | | | | | | | | | |
| Re-Configuration | 25.6 | 13.1 | 13.1 | 17.0 | 10.8 | 11.5 | 17.2 | 8.2 | 10.6 |
| HVAC Equipment Upgrade | 20.4 | 14.6 | 15.8 | 15.0 | 10.3 | 12.7 | 15.1 | 9.9 | 8.9 |
| Lighting Upgrade | 21.3 | 10.7 | 13.9 | 14.1 | 9.3 | 12.1 | 18.4 | 8.1 | 10.0 |
| Window Replacement | 24.2 | 15.5 | 19.6 | 17.9 | 13.3 | 15.4 | 20.6 | 12.3 | 19.9 |
| Plumbing System Upgrade | 27.4 | 13.6 | 16.2 | 16.4 | 13.2 | 14.6 | 28.3 | 8.6 | 13.8 |
| Insulation Upgrade | 32.5 | 14.8 | 17.9 | 26.2 | 13.8 | 19.7 | 19.9 | 11.5 | 15.5 |
| Other Renovation | 74.2 | 41.7 | 55.9 | 80.2 | 37.0 | 54.4 | 10.4 | 33.3 | 25.6 |
| No Renovations Since 1980 | 12.4 | 10.5 | 26.6 | 9.0 | 9.1 | 20.1 | 9.3 | 7.9 | 23.6 |
| Building Newer than 1980 | 14.6 | 9.6 | 16.5 | 12.1 | 7.1 | 10.7 | 11.2 | 8.1 | 12.5 |
| Energy Sources (more than one may apply) | | | | | | | | | |
| Electricity | 8.4 | 6.8 | 10.4 | 7.3 | 5.7 | 9.9 | 6.7 | 4.8 | 8.5 |
| Natural Gas | 8.8 | 6.4 | 10.4 | 6.9 | 5.0 | 9.1 | 6.4 | 5.0 | 7.8 |
| Fuel Oil | 60.2 | 17.0 | 15.4 | 51.5 | 14.8 | 12.6 | 24.2 | 9.8 | 11.5 |
| District Heat | 96.0 | 47.4 | 35.5 | 71.3 | 33.2 | 18.7 | 124.2 | 44.1 | 29.8 |
| District Chilled Water | 96.0 | 26.1 | 33.0 | 71.3 | 26.7 | 23.6 | 124.2 | 11.0 | 28.3 |
| Propane | 49.5 | 24.9 | 36.8 | 30.6 | 25.7 | 23.2 | 27.7 | 15.0 | 23.2 |
| Other | 32.3 | 36.5 | 38.4 | 36.6 | 32.3 | 34.3 | 34.5 | 17.7 | 11.5 |

RSEs for Table C31. Natural Gas Consumption and Conditional Energy Intensity by Building Size for Non-Mall Buildings, 2003

| | RSEs for Total Natural Gas Consumption | | | RSEs for Total Floorspace of Buildings Using Natural Gas | | | RSEs for Natural Gas Energy Intensity | | |
|--|--|-------------------------------|--------------------------|--|-------------------------------|--------------------------|---------------------------------------|-------------------------------|--------------------------|
| | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet |
| All Buildings* | 8.8 | 6.4 | 10.4 | 6.9 | 5.0 | 9.1 | 6.4 | 5.0 | 7.8 |
| Space-Heating Energy Sources | | | | | | | | | |
| Natural Gas | 9.4 | 6.9 | 10.7 | 7.0 | 5.3 | 8.5 | 6.7 | 5.3 | 6.9 |
| Natural Gas Main | 9.9 | 7.2 | 11.2 | 7.1 | 5.7 | 9.3 | 7.1 | 5.5 | 7.4 |
| Natural Gas Secondary | 30.6 | 13.6 | 22.3 | 22.2 | 11.3 | 15.4 | 22.2 | 9.6 | 16.7 |
| Other Excluding Natural Gas | 24.6 | 19.1 | 26.2 | 18.2 | 15.0 | 32.2 | 21.4 | 13.0 | 26.7 |
| Buildings without Heating | 77.6 | 56.7 | 81.3 | 43.0 | 52.0 | 54.4 | 85.6 | 42.1 | 76.9 |
| Primary Space-Heating Energy Source | | | | | | | | | |
| Electricity | 21.1 | 12.4 | 22.6 | 14.8 | 10.1 | 16.9 | 16.5 | 7.6 | 14.4 |
| Natural Gas | 9.9 | 7.2 | 11.2 | 7.1 | 5.7 | 9.3 | 7.1 | 5.5 | 7.4 |
| Fuel Oil | 58.3 | 32.9 | 47.6 | 53.6 | 21.7 | 80.3 | 29.6 | 32.5 | 172.9 |
| District Heat | 96.0 | 39.9 | 37.5 | 71.3 | 36.7 | 19.6 | 124.2 | 44.8 | 32.5 |
| Propane | 0.0 | X | 0.0 | 0.0 | X | 0.0 | 0.0 | X | 0.0 |
| Other | 98.9 | 82.0 | 95.5 | 100.3 | 70.2 | 95.5 | 2.2 | 43.8 | 0.0 |
| Cooling Energy Sources | | | | | | | | | |
| Natural Gas | 67.8 | 38.0 | 32.8 | 64.3 | 30.9 | 28.8 | 32.1 | 26.9 | 31.9 |
| Other Excluding Natural Gas | 9.0 | 6.7 | 10.6 | 7.1 | 5.0 | 9.6 | 6.9 | 5.0 | 7.8 |
| Buildings without Cooling | 20.5 | 26.5 | 41.5 | 19.5 | 27.5 | 36.0 | 17.3 | 14.2 | 28.5 |
| Water-Heating Energy Sources | | | | | | | | | |
| Natural Gas | 10.1 | 7.4 | 11.3 | 7.2 | 5.6 | 9.1 | 7.8 | 4.5 | 8.0 |
| Other Excluding Natural Gas | 13.1 | 17.5 | 14.6 | 13.1 | 10.4 | 13.0 | 7.4 | 15.0 | 13.5 |
| Bldgs without Water Heating | 16.9 | 22.8 | 60.6 | 14.7 | 16.3 | 63.5 | 13.9 | 15.7 | 54.6 |
| Cooking Energy Sources | | | | | | | | | |
| Natural Gas | 15.0 | 7.6 | 12.1 | 11.5 | 8.2 | 12.9 | 10.6 | 5.4 | 12.6 |
| Other Excluding Natural Gas | 22.4 | 15.9 | 24.8 | 23.2 | 14.2 | 18.2 | 20.4 | 6.9 | 20.0 |
| Buildings without Cooking | 9.8 | 9.3 | 17.9 | 7.1 | 6.1 | 12.0 | 6.9 | 7.2 | 14.4 |
| Energy End Uses (more than one may apply) | | | | | | | | | |
| Buildings with Space Heating | 8.9 | 6.4 | 10.4 | 6.9 | 5.0 | 9.2 | 6.3 | 5.0 | 7.8 |
| Buildings with Cooling | 9.3 | 6.6 | 10.4 | 7.2 | 5.0 | 9.2 | 6.9 | 5.1 | 7.7 |
| Buildings with Water Heating | 9.1 | 6.6 | 10.4 | 7.2 | 5.2 | 9.2 | 6.3 | 5.0 | 7.8 |
| Buildings with Cooking | 13.2 | 7.6 | 11.6 | 10.5 | 8.0 | 12.3 | 10.7 | 4.6 | 11.5 |
| Buildings with Manufacturing | 31.0 | 33.7 | 37.2 | 27.0 | 19.6 | 26.2 | 24.4 | 24.6 | 21.9 |
| Buildings with Electricity Generation | 57.6 | 12.5 | 12.9 | 44.1 | 10.2 | 9.1 | 21.9 | 6.8 | 9.4 |
| Percent of Floorspace Heated | | | | | | | | | |
| Not Heated | 77.6 | 56.7 | 81.3 | 43.0 | 52.0 | 54.4 | 85.6 | 42.1 | 76.9 |
| 1 to 50 | 31.5 | 19.7 | 43.3 | 22.6 | 15.2 | 22.4 | 25.5 | 13.7 | 39.8 |
| 51 to 99 | 23.5 | 17.9 | 25.8 | 11.6 | 12.8 | 14.5 | 18.3 | 11.7 | 19.7 |
| 100 | 8.9 | 7.0 | 11.1 | 7.4 | 5.7 | 11.9 | 6.5 | 5.2 | 9.4 |

RSEs for Table C31. Natural Gas Consumption and Conditional Energy Intensity by Building Size for Non-Mall Buildings, 2003

| | RSEs for Total Natural Gas Consumption | | | RSEs for Total Floorspace of Buildings Using Natural Gas | | | RSEs for Natural Gas Energy Intensity | | |
|---|--|-------------------------------|--------------------------|--|-------------------------------|--------------------------|---------------------------------------|-------------------------------|--------------------------|
| | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet |
| All Buildings* | 8.8 | 6.4 | 10.4 | 6.9 | 5.0 | 9.1 | 6.4 | 5.0 | 7.8 |
| Percent of Floorspace Cooled | | | | | | | | | |
| Not Cooled | 20.5 | 26.5 | 41.5 | 19.5 | 27.5 | 36.0 | 17.3 | 14.2 | 28.5 |
| 1 to 50 | 12.3 | 12.3 | 21.3 | 12.8 | 9.4 | 17.3 | 9.7 | 8.9 | 16.7 |
| 51 to 99 | 19.9 | 10.3 | 18.0 | 10.0 | 9.2 | 13.0 | 15.5 | 7.3 | 16.1 |
| 100 | 11.6 | 9.3 | 14.3 | 8.7 | 7.3 | 12.1 | 9.2 | 7.3 | 10.7 |
| Heating Equipment (more than one may apply) | | | | | | | | | |
| Heat Pumps | 32.5 | 13.5 | 29.1 | 27.2 | 10.7 | 17.6 | 28.0 | 7.7 | 22.0 |
| Packaged Heat Pumps | 39.7 | 18.2 | 39.6 | 32.7 | 12.8 | 24.8 | 30.6 | 10.8 | 30.7 |
| Split-System Heat Pumps | 51.7 | 26.0 | 33.9 | 38.6 | 22.0 | 39.8 | 55.6 | 17.7 | 37.2 |
| Individual Room Heat Pumps | 100.5 | 19.8 | 29.2 | 100.5 | 18.1 | 20.3 | 0.0 | 9.1 | 27.2 |
| Furnaces | 10.5 | 11.2 | 21.2 | 7.5 | 8.4 | 17.1 | 6.7 | 7.9 | 12.2 |
| Individual Space Heaters | 26.7 | 12.9 | 14.3 | 18.6 | 8.7 | 12.8 | 14.8 | 9.2 | 11.5 |
| District Heat | 96.0 | 47.4 | 35.9 | 71.3 | 33.2 | 19.5 | 124.2 | 44.1 | 31.3 |
| Boilers | 11.8 | 8.8 | 11.7 | 14.8 | 7.4 | 12.7 | 10.9 | 5.9 | 12.0 |
| Packaged Heating Units | 15.9 | 10.1 | 15.1 | 14.3 | 7.1 | 9.5 | 14.0 | 7.2 | 12.0 |
| Other | 33.6 | 25.6 | 28.9 | 32.0 | 21.5 | 29.7 | 21.6 | 14.8 | 30.4 |
| Cooling Equipment (more than one may apply) | | | | | | | | | |
| Residential-Type Central | | | | | | | | | |
| Air Conditioners | 12.1 | 14.0 | 17.5 | 9.0 | 9.1 | 24.7 | 9.7 | 12.1 | 26.3 |
| Heat Pumps | 30.9 | 13.6 | 29.1 | 23.7 | 10.7 | 16.9 | 24.8 | 6.9 | 22.3 |
| Packaged Heat Pumps | 38.1 | 19.2 | 39.6 | 29.8 | 14.3 | 24.8 | 28.6 | 10.7 | 30.7 |
| Split-System Heat Pumps | 49.0 | 25.4 | 35.2 | 34.8 | 21.5 | 40.7 | 50.8 | 17.2 | 38.2 |
| Individual Room Heat Pumps | 100.5 | 19.9 | 28.7 | 100.5 | 17.9 | 19.2 | 0.0 | 7.8 | 27.0 |
| Individual Air Conditioners | 18.9 | 10.5 | 18.9 | 12.2 | 8.7 | 16.0 | 13.9 | 7.6 | 16.8 |
| District Chilled Water | 96.0 | 26.1 | 33.0 | 71.3 | 26.7 | 23.6 | 124.2 | 11.0 | 28.3 |
| Central Chillers | 73.7 | 12.5 | 13.3 | 87.3 | 10.3 | 12.4 | 324.4 | 9.4 | 10.8 |
| Packaged Air Conditioning | | | | | | | | | |
| Units | 12.0 | 7.0 | 11.7 | 9.8 | 6.1 | 11.3 | 9.0 | 5.7 | 10.3 |
| Swamp Coolers | 47.0 | 18.7 | 31.6 | 26.4 | 19.5 | 33.1 | 49.0 | 11.0 | 27.2 |
| Other | 68.4 | 37.9 | 54.1 | 67.1 | 33.1 | 42.6 | 5.8 | 30.8 | 23.9 |
| Main Equipment Replaced Since 1990 (more than one may apply) | | | | | | | | | |
| Heating | 14.7 | 11.9 | 20.4 | 9.3 | 7.8 | 13.9 | 12.4 | 10.2 | 15.6 |
| Cooling | 13.0 | 11.3 | 15.3 | 9.4 | 8.1 | 11.7 | 9.3 | 9.1 | 12.0 |
| Water Heating Equipment | | | | | | | | | |
| Centralized System | 9.8 | 5.6 | 12.4 | 7.4 | 5.1 | 12.9 | 7.5 | 5.0 | 10.9 |
| Distributed System | 18.9 | 16.5 | 34.5 | 15.5 | 12.0 | 22.7 | 14.2 | 14.1 | 37.1 |
| Combination of Centralized and Distributed System | 37.0 | 18.6 | 16.9 | 29.9 | 10.1 | 11.2 | 13.2 | 16.3 | 11.2 |
| Energy-Related Space Functions (more than one may apply) | | | | | | | | | |
| Commercial Food Preparation | 13.2 | 7.6 | 11.6 | 10.5 | 8.0 | 12.3 | 10.7 | 4.7 | 11.5 |
| Activities with Large Amounts of Hot Water | 17.4 | 10.3 | 11.4 | 13.6 | 7.9 | 12.8 | 11.8 | 6.8 | 12.3 |
| Separate Computer Area | 20.4 | 7.0 | 11.0 | 18.4 | 7.1 | 9.2 | 14.1 | 4.5 | 8.2 |

RSEs for Table C31. Natural Gas Consumption and Conditional Energy Intensity by Building Size for Non-Mall Buildings, 2003

| | RSEs for Total Natural Gas Consumption | | | RSEs for Total Floorspace of Buildings Using Natural Gas | | | RSEs for Natural Gas Energy Intensity | | |
|--|--|-------------------------------|--------------------------|--|-------------------------------|--------------------------|---------------------------------------|-------------------------------|--------------------------|
| | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet | 1,001 to 10,000 Square Feet | 10,001 to 100,000 Square Feet | Over 100,000 Square Feet |
| All Buildings* | 8.8 | 6.4 | 10.4 | 6.9 | 5.0 | 9.1 | 6.4 | 5.0 | 7.8 |
| HVAC Conservation Features (more than one may apply) | | | | | | | | | |
| Variable Air-Volume System | 26.4 | 11.9 | 12.8 | 16.9 | 8.4 | 9.9 | 19.8 | 8.8 | 8.8 |
| Economizer Cycle | 24.0 | 9.2 | 10.8 | 14.4 | 7.4 | 8.7 | 17.2 | 6.8 | 8.3 |
| HVAC Maintenance | 9.8 | 6.1 | 10.7 | 7.0 | 5.0 | 9.5 | 7.6 | 5.3 | 8.2 |
| Energy Management and Control System (EMCS) | 56.0 | 11.7 | 11.1 | 37.0 | 8.8 | 9.3 | 26.8 | 7.4 | 9.5 |
| Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^a | | | | | | | | | |
| Heating | 9.8 | 7.4 | 10.9 | 7.3 | 5.7 | 10.1 | 7.3 | 5.4 | 10.3 |
| Cooling | 10.0 | 7.6 | 11.1 | 7.6 | 5.8 | 9.9 | 8.1 | 5.6 | 10.0 |
| Lighting | 9.0 | 7.3 | 13.0 | 7.1 | 5.2 | 10.2 | 7.0 | 6.0 | 11.6 |
| Office Equipment | 14.3 | 9.5 | 23.1 | 10.2 | 8.3 | 19.7 | 8.7 | 7.5 | 25.2 |
| Annual Consumption (hundred cubic feet) | | | | | | | | | |
| 1,000 or Less | 8.8 | 19.6 | 55.6 | 9.7 | 16.4 | 43.1 | 7.2 | 11.2 | 28.4 |
| 1,001 to 5,000 | 7.9 | 12.8 | 22.3 | 8.4 | 11.0 | 21.8 | 4.3 | 6.0 | 16.1 |
| 5,001 to 10,000 | 13.6 | 8.5 | 35.1 | 14.6 | 8.8 | 25.0 | 5.9 | 4.5 | 20.1 |
| 10,001 to 25,000 | 21.5 | 10.0 | 18.2 | 22.3 | 8.6 | 16.4 | 9.5 | 4.4 | 7.6 |
| 25,001 to 50,000 | 37.7 | 9.6 | 17.9 | 40.4 | 7.3 | 22.9 | 15.1 | 6.6 | 12.0 |
| 50,001 to 100,000 | 0.0 | 24.0 | 13.9 | 0.0 | 20.3 | 13.4 | 0.0 | 12.9 | 9.2 |
| Over 100,000 | 0.0 | 31.8 | 12.9 | 0.0 | 28.3 | 11.7 | 0.0 | 14.2 | 7.0 |
| Provider of Natural Gas (more than one may apply) | | | | | | | | | |
| Local Utility | 8.8 | 6.5 | 12.3 | 7.0 | 5.2 | 10.2 | 6.6 | 5.1 | 9.2 |
| Some Other Provider | 27.3 | 15.9 | 15.2 | 25.4 | 15.8 | 15.3 | 14.7 | 12.9 | 12.8 |

X=No cases in the responding sample reported their consumption for the particular fuel, so relative standard error could not be calculated.

RSEs for Table C32. Natural Gas Consumption and Conditional Energy Intensity by Year Constructed for Non-Mall Buildings, 2003

| | RSEs for Total Natural Gas Consumption | | | RSEs for Total Floorspace of Buildings Using Natural Gas | | | RSEs for Natural Gas Energy Intensity | | |
|--|--|--------------|--------------|--|--------------|--------------|---------------------------------------|--------------|--------------|
| | 1959 or Before | 1960 to 1989 | 1990 to 2003 | 1959 or Before | 1960 to 1989 | 1990 to 2003 | 1959 or Before | 1960 to 1989 | 1990 to 2003 |
| All Buildings* | 10.6 | 6.9 | 9.9 | 9.4 | 5.5 | 7.8 | 9.1 | 5.4 | 7.4 |
| Building Floorspace (Square Feet) | | | | | | | | | |
| 1,001 to 5,000 | 9.6 | 12.7 | 19.4 | 10.3 | 9.7 | 14.9 | 7.8 | 9.8 | 16.9 |
| 5,001 to 10,000 | 19.0 | 19.8 | 25.4 | 15.1 | 12.3 | 20.1 | 14.6 | 13.5 | 20.4 |
| 10,001 to 25,000 | 11.8 | 16.6 | 16.6 | 12.6 | 9.8 | 13.9 | 9.4 | 14.9 | 13.8 |
| 25,001 to 50,000 | 24.2 | 11.7 | 16.2 | 15.8 | 10.9 | 11.4 | 14.8 | 8.9 | 12.7 |
| 50,001 to 100,000 | 18.5 | 13.1 | 14.8 | 16.4 | 11.2 | 11.2 | 18.3 | 11.4 | 12.6 |
| 100,001 to 200,000 | 37.2 | 19.9 | 22.7 | 32.9 | 12.7 | 18.6 | 42.8 | 13.8 | 22.6 |
| 200,001 to 500,000 | 43.5 | 11.2 | 22.3 | 33.4 | 11.1 | 17.5 | 42.2 | 11.3 | 13.8 |
| Over 500,000 | 37.8 | 27.0 | 42.5 | 29.3 | 25.0 | 26.3 | 31.7 | 23.8 | 40.1 |
| Principal Building Activity | | | | | | | | | |
| Education | 15.1 | 15.7 | 19.6 | 11.4 | 10.7 | 16.1 | 10.0 | 11.8 | 13.9 |
| Food Sales | 53.0 | 29.6 | 40.2 | 35.2 | 29.1 | 36.1 | 25.9 | 14.0 | 22.3 |
| Food Service | 19.0 | 18.0 | 21.3 | 20.0 | 18.2 | 24.6 | 15.0 | 17.0 | 14.3 |
| Health Care | 35.1 | 13.4 | 29.6 | 33.5 | 11.7 | 17.0 | 13.2 | 7.5 | 21.4 |
| Inpatient | 38.7 | 14.0 | 37.8 | 43.4 | 12.4 | 28.0 | 15.7 | 7.6 | 23.2 |
| Outpatient | 40.7 | 34.1 | 38.0 | 39.3 | 23.5 | 18.8 | 24.5 | 19.3 | 29.7 |
| Lodging | 30.8 | 22.5 | 18.1 | 53.4 | 14.3 | 17.1 | 76.3 | 14.8 | 13.0 |
| Retail (Other Than Mall)..... | 28.6 | 21.2 | 23.4 | 20.2 | 18.4 | 18.6 | 22.0 | 15.9 | 18.2 |
| Office | 24.5 | 17.1 | 16.4 | 14.2 | 13.7 | 13.2 | 20.8 | 13.4 | 13.2 |
| Public Assembly | 26.2 | 22.3 | 29.6 | 33.5 | 17.4 | 22.5 | 53.2 | 12.8 | 22.0 |
| Public Order and Safety | 39.4 | 42.9 | 32.8 | 41.1 | 32.2 | 33.2 | 20.1 | 33.3 | 25.7 |
| Religious Worship | 20.4 | 17.2 | 26.2 | 20.6 | 13.7 | 19.7 | 11.5 | 10.3 | 17.6 |
| Service | 32.0 | 24.8 | 25.5 | 28.7 | 26.4 | 22.0 | 26.0 | 19.3 | 22.1 |
| Warehouse and Storage | 45.1 | 28.4 | 27.2 | 22.4 | 20.5 | 18.9 | 37.2 | 19.5 | 17.1 |
| Other | 42.4 | 56.8 | 45.7 | 34.1 | 30.3 | 46.2 | 32.6 | 46.3 | 59.6 |
| Vacant | 49.6 | 26.2 | 55.6 | 38.7 | 42.2 | 46.9 | 30.4 | 28.3 | 34.2 |
| Census Region and Division | | | | | | | | | |
| Northeast | 17.0 | 10.7 | 29.6 | 19.7 | 13.3 | 13.8 | 21.9 | 13.1 | 21.5 |
| New England | 34.5 | 34.5 | 83.3 | 49.8 | 18.0 | 63.7 | 30.6 | 28.6 | 55.8 |
| Middle Atlantic | 19.2 | 11.2 | 25.8 | 21.0 | 15.3 | 7.9 | 25.8 | 14.5 | 24.2 |
| Midwest | 16.7 | 10.2 | 14.4 | 12.6 | 6.3 | 12.6 | 10.0 | 8.5 | 8.4 |
| East North Central | 15.8 | 11.8 | 19.5 | 12.2 | 6.4 | 18.1 | 12.1 | 9.8 | 10.6 |
| West North Central | 43.5 | 16.8 | 16.2 | 32.8 | 17.5 | 12.5 | 21.4 | 9.8 | 13.1 |
| South | 28.8 | 14.4 | 15.4 | 18.4 | 12.5 | 13.2 | 20.1 | 12.6 | 12.1 |
| South Atlantic | 53.9 | 22.7 | 23.7 | 33.7 | 20.6 | 16.4 | 40.4 | 11.5 | 20.3 |
| East South Central | 41.7 | 29.5 | 24.7 | 43.0 | 12.2 | 31.0 | 2.0 | 26.9 | 18.1 |
| West South Central | 19.0 | 20.3 | 27.2 | 21.3 | 21.1 | 28.4 | 14.7 | 17.4 | 18.1 |
| West | 23.9 | 15.4 | 25.5 | 18.3 | 11.6 | 20.9 | 16.8 | 9.6 | 18.1 |
| Mountain | 39.5 | 21.1 | 31.2 | 26.4 | 20.0 | 31.8 | 22.8 | 9.8 | 31.0 |
| Pacific | 29.6 | 18.7 | 40.2 | 23.4 | 12.8 | 27.5 | 21.1 | 15.4 | 26.6 |
| Climate Zone: 30-Year Average | | | | | | | | | |
| Under 2,000 CDD and -- | | | | | | | | | |
| More than 7,000 HDD | 20.8 | 14.9 | 20.9 | 15.2 | 14.5 | 19.9 | 11.3 | 6.2 | 10.4 |
| 5,500-7,000 HDD | 12.6 | 11.2 | 19.7 | 13.9 | 6.8 | 15.2 | 12.2 | 9.3 | 16.0 |
| 4,000-5,499 HDD | 30.2 | 25.9 | 27.2 | 26.7 | 22.4 | 18.0 | 30.5 | 17.9 | 19.3 |
| Fewer than 4,000 HDD | 36.0 | 19.3 | 25.1 | 19.6 | 13.9 | 21.7 | 26.8 | 11.1 | 16.8 |
| 2,000 CDD or More and -- | | | | | | | | | |
| Fewer than 4,000 HDD | 28.4 | 27.7 | 29.2 | 28.5 | 26.7 | 27.3 | 22.3 | 14.7 | 18.7 |

RSEs for Table C32. Natural Gas Consumption and Conditional Energy Intensity by Year Constructed for Non-Mall Buildings, 2003

| | RSEs for Total Natural Gas Consumption | | | RSEs for Total Floorspace of Buildings Using Natural Gas | | | RSEs for Natural Gas Energy Intensity | | |
|---------------------------------------|--|--------------|--------------|--|--------------|--------------|---------------------------------------|--------------|--------------|
| | 1959 or Before | 1960 to 1989 | 1990 to 2003 | 1959 or Before | 1960 to 1989 | 1990 to 2003 | 1959 or Before | 1960 to 1989 | 1990 to 2003 |
| All Buildings* | 10.6 | 6.9 | 9.9 | 9.4 | 5.5 | 7.8 | 9.1 | 5.4 | 7.4 |
| Number of Floors | | | | | | | | | |
| One | 13.6 | 11.8 | 13.7 | 13.1 | 8.0 | 11.3 | 10.5 | 8.5 | 9.2 |
| Two | 14.5 | 11.2 | 14.1 | 14.8 | 9.0 | 11.7 | 17.9 | 10.1 | 11.0 |
| Three | 21.5 | 14.4 | 23.3 | 14.5 | 11.0 | 19.4 | 14.7 | 10.7 | 14.6 |
| Four to Nine | 21.4 | 13.2 | 29.8 | 25.0 | 12.5 | 15.8 | 23.4 | 10.1 | 22.4 |
| Ten or More | 41.2 | 32.4 | 50.0 | 25.9 | 24.2 | 35.4 | 34.3 | 28.6 | 45.0 |
| Number of Workers (main shift) | | | | | | | | | |
| Fewer than 5 | 12.6 | 13.2 | 21.9 | 13.6 | 12.7 | 14.9 | 7.8 | 11.1 | 20.0 |
| 5 to 9 | 14.9 | 19.9 | 20.6 | 15.4 | 12.3 | 19.3 | 8.9 | 16.1 | 15.2 |
| 10 to 19 | 17.1 | 12.5 | 18.7 | 25.5 | 9.8 | 16.9 | 25.0 | 9.7 | 16.2 |
| 20 to 49 | 18.4 | 16.9 | 17.2 | 19.4 | 11.1 | 16.2 | 22.8 | 12.5 | 8.6 |
| 50 to 99 | 15.9 | 11.2 | 18.2 | 12.1 | 12.4 | 15.9 | 12.6 | 8.1 | 11.9 |
| 100 to 249 | 37.1 | 19.3 | 24.5 | 25.4 | 15.3 | 15.0 | 26.2 | 13.4 | 19.5 |
| 250 or More | 33.9 | 17.2 | 28.8 | 21.4 | 15.9 | 16.5 | 26.0 | 13.8 | 21.3 |
| Weekly Operating Hours | | | | | | | | | |
| Fewer than 40 | 16.0 | 25.4 | 24.5 | 15.0 | 20.6 | 21.0 | 10.7 | 21.7 | 17.8 |
| 40 to 48 | 12.1 | 19.9 | 16.0 | 16.3 | 12.8 | 13.0 | 17.0 | 15.5 | 14.1 |
| 49 to 60 | 20.4 | 13.6 | 15.1 | 11.4 | 9.6 | 14.2 | 15.2 | 12.2 | 10.0 |
| 61 to 84 | 16.0 | 15.1 | 22.1 | 14.8 | 10.8 | 18.7 | 11.9 | 10.8 | 18.6 |
| 85 to 167 | 23.1 | 15.4 | 17.1 | 19.9 | 13.1 | 13.4 | 19.9 | 12.1 | 16.6 |
| Open Continuously | 24.3 | 11.4 | 18.8 | 19.2 | 9.9 | 11.6 | 17.5 | 7.9 | 13.8 |
| Ownership and Occupancy | | | | | | | | | |
| Nongovernment Owned | 11.6 | 8.0 | 10.9 | 11.4 | 5.7 | 8.5 | 11.3 | 6.5 | 9.0 |
| Owner Occupied | 16.0 | 9.4 | 15.6 | 12.6 | 8.3 | 8.4 | 12.3 | 6.7 | 12.5 |
| Nonowner Occupied | 10.9 | 11.4 | 13.3 | 14.6 | 8.1 | 12.9 | 15.8 | 9.1 | 11.3 |
| Unoccupied | 58.9 | 28.5 | 81.7 | 57.1 | 48.9 | 53.0 | 46.9 | 31.8 | 45.1 |
| Government Owned | 15.2 | 12.6 | 14.3 | 9.7 | 10.2 | 12.2 | 10.2 | 7.9 | 9.6 |
| Federal | 47.3 | 33.2 | 49.6 | 39.5 | 43.0 | 39.6 | 16.0 | 42.4 | 23.8 |
| State | 33.7 | 26.2 | 26.6 | 28.6 | 18.8 | 26.4 | 17.1 | 16.6 | 25.0 |
| Local | 18.5 | 12.6 | 16.6 | 13.2 | 11.3 | 14.7 | 11.0 | 8.3 | 10.6 |
| Vacancy Status | | | | | | | | | |
| Completely Vacant | 60.6 | 28.5 | 81.7 | 47.3 | 48.5 | 53.0 | 49.5 | 31.7 | 45.1 |
| Mostly Vacant | 74.1 | 59.5 | 71.5 | 64.7 | 55.9 | 79.7 | 31.9 | 30.7 | 17.9 |
| Partially Vacant | 21.5 | 15.5 | 22.3 | 14.2 | 14.6 | 15.5 | 16.3 | 13.2 | 14.0 |
| Not At All Vacant | 11.1 | 8.4 | 10.1 | 11.6 | 6.2 | 8.3 | 11.7 | 5.5 | 7.5 |
| Number of Establishments | | | | | | | | | |
| One | 11.4 | 7.8 | 10.9 | 12.9 | 6.4 | 9.1 | 13.4 | 6.0 | 7.7 |
| 2 to 5 | 15.1 | 17.6 | 16.8 | 14.2 | 10.0 | 14.0 | 10.7 | 13.2 | 10.0 |
| 6 to 10 | 31.9 | 24.7 | 48.3 | 32.4 | 18.4 | 34.3 | 18.6 | 22.8 | 30.7 |
| 11 to 20 | 41.0 | 37.3 | 57.6 | 53.5 | 22.9 | 37.1 | 34.2 | 29.1 | 40.3 |
| More than 20 | 68.6 | 31.9 | 67.3 | 42.6 | 27.5 | 41.6 | 58.2 | 22.1 | 56.3 |
| Currently Unoccupied | 60.6 | 28.5 | 81.7 | 47.3 | 48.5 | 53.0 | 49.5 | 31.7 | 45.1 |

RSEs for Table C32. Natural Gas Consumption and Conditional Energy Intensity by Year Constructed for Non-Mall Buildings, 2003

| | RSEs for Total Natural Gas Consumption | | | RSEs for Total Floorspace of Buildings Using Natural Gas | | | RSEs for Natural Gas Energy Intensity | | |
|---|--|--------------|--------------|--|--------------|--------------|---------------------------------------|--------------|--------------|
| | 1959 or Before | 1960 to 1989 | 1990 to 2003 | 1959 or Before | 1960 to 1989 | 1990 to 2003 | 1959 or Before | 1960 to 1989 | 1990 to 2003 |
| All Buildings* | 10.6 | 6.9 | 9.9 | 9.4 | 5.5 | 7.8 | 9.1 | 5.4 | 7.4 |
| Predominant Exterior Wall Material | | | | | | | | | |
| Brick, Stone or Stucco | 10.3 | 10.1 | 12.3 | 10.1 | 7.0 | 11.4 | 10.9 | 6.0 | 10.7 |
| Concrete (Block or Poured) | 29.4 | 18.5 | 20.7 | 18.4 | 14.4 | 15.7 | 17.9 | 14.0 | 16.7 |
| Concrete Panels | 44.9 | 28.3 | 21.6 | 37.1 | 19.9 | 19.1 | 27.4 | 22.0 | 12.1 |
| Siding or Shingles | 19.9 | 18.3 | 19.8 | 29.1 | 19.6 | 18.5 | 22.2 | 17.0 | 18.6 |
| Metal Panels | 38.2 | 24.6 | 23.4 | 37.0 | 17.6 | 11.8 | 15.3 | 13.1 | 21.0 |
| Window Glass | 100.4 | 46.9 | 50.0 | 100.4 | 36.0 | 26.5 | 0.0 | 19.2 | 42.6 |
| Other | 67.6 | 42.2 | 38.9 | 54.8 | 33.9 | 37.3 | 38.1 | 22.5 | 18.2 |
| No One Major Type | 99.0 | 48.2 | 57.4 | 83.4 | 40.3 | 56.6 | 434.9 | 42.9 | 39.0 |
| Predominant Roof Material | | | | | | | | | |
| Built-Up | 15.2 | 12.1 | 15.4 | 10.6 | 8.3 | 15.2 | 9.1 | 9.8 | 11.4 |
| Shingles (Not Wood) | 22.2 | 11.9 | 13.9 | 13.1 | 10.4 | 11.5 | 16.6 | 10.1 | 9.5 |
| Metal Surfacing | 18.8 | 21.0 | 16.6 | 24.6 | 16.2 | 12.6 | 15.9 | 12.4 | 12.3 |
| Synthetic or Rubber | 13.4 | 11.0 | 19.9 | 12.3 | 10.3 | 13.2 | 11.0 | 7.6 | 15.3 |
| Slate or Tile | 23.3 | 30.8 | 31.1 | 20.9 | 23.5 | 24.8 | 18.0 | 22.9 | 20.4 |
| Wooden Materials | 36.2 | 35.1 | 57.8 | 36.1 | 28.4 | 77.0 | 18.2 | 39.5 | 210.7 |
| Concrete | 53.4 | 52.2 | 59.4 | 87.1 | 60.1 | 56.8 | 307.9 | 47.3 | 47.6 |
| Other | 100.1 | 49.9 | 64.2 | 74.1 | 48.3 | 42.1 | 113.5 | 53.1 | 44.6 |
| No One Major Type | 52.4 | 49.8 | 72.1 | 59.2 | 43.8 | 51.5 | 31.2 | 24.8 | 35.6 |
| Renovations in Buildings Constructed Before 1980 (more than one may apply) | | | | | | | | | |
| Any Type of Renovation | 14.0 | 8.0 | 0.0 | 9.9 | 8.0 | 0.0 | 10.2 | 5.3 | 0.0 |
| Since 1980 | 24.2 | 11.9 | 0.0 | 21.7 | 10.1 | 0.0 | 23.8 | 7.0 | 0.0 |
| Addition or Annex | 33.1 | 32.7 | 0.0 | 35.9 | 32.9 | 0.0 | 16.6 | 23.5 | 0.0 |
| Reduction In Floorspace | 12.2 | 9.7 | 0.0 | 10.1 | 9.3 | 0.0 | 10.9 | 6.1 | 0.0 |
| Cosmetic Improvements | 15.2 | 14.7 | 0.0 | 13.7 | 12.5 | 0.0 | 14.9 | 8.6 | 0.0 |
| Wall or Roof Replacement | 14.0 | 11.1 | 0.0 | 12.3 | 10.0 | 0.0 | 14.1 | 6.2 | 0.0 |
| Interior Wall | | | | | | | | | |
| Re-Configuration | 16.8 | 8.9 | 0.0 | 11.9 | 9.1 | 0.0 | 11.0 | 5.8 | 0.0 |
| HVAC Equipment Upgrade | 11.7 | 10.4 | 0.0 | 11.8 | 9.9 | 0.0 | 11.7 | 6.9 | 0.0 |
| Lighting Upgrade | 16.2 | 15.0 | 0.0 | 13.3 | 13.5 | 0.0 | 15.4 | 10.3 | 0.0 |
| Window Replacement | 13.4 | 15.0 | 0.0 | 13.5 | 13.1 | 0.0 | 16.9 | 7.4 | 0.0 |
| Plumbing System Upgrade | 15.0 | 17.8 | 0.0 | 17.0 | 16.7 | 0.0 | 15.0 | 10.5 | 0.0 |
| Insulation Upgrade | 45.6 | 52.8 | 0.0 | 37.3 | 43.6 | 0.0 | 35.7 | 16.8 | 0.0 |
| Other Renovation | 12.5 | 12.2 | 0.0 | 12.0 | 8.6 | 0.0 | 11.1 | 10.1 | 0.0 |
| No Renovations Since 1980 | 0.0 | 14.3 | 9.9 | 0.0 | 9.3 | 7.8 | 0.0 | 11.2 | 7.4 |
| Energy Sources (more than one may apply) | | | | | | | | | |
| Electricity | 10.2 | 7.4 | 10.7 | 10.2 | 5.9 | 8.4 | 10.1 | 5.4 | 8.5 |
| Natural Gas | 10.6 | 6.9 | 9.9 | 9.4 | 5.5 | 7.8 | 9.1 | 5.4 | 7.4 |
| Fuel Oil | 29.1 | 18.4 | 17.1 | 21.0 | 13.4 | 14.5 | 17.0 | 14.4 | 12.2 |
| District Heat | 59.9 | 32.5 | 55.1 | 25.4 | 22.5 | 27.4 | 50.6 | 29.6 | 49.1 |
| District Chilled Water | 48.3 | 31.6 | 36.9 | 41.8 | 25.9 | 33.6 | 33.7 | 29.8 | 35.6 |
| Propane | 60.6 | 30.7 | 37.7 | 42.2 | 23.3 | 35.1 | 37.2 | 15.8 | 24.3 |
| Other | 51.4 | 31.9 | 35.9 | 39.0 | 31.6 | 31.1 | 19.9 | 18.2 | 21.5 |

RSEs for Table C32. Natural Gas Consumption and Conditional Energy Intensity by Year Constructed for Non-Mall Buildings, 2003

| | RSEs for Total Natural Gas Consumption | | | RSEs for Total Floorspace of Buildings Using Natural Gas | | | RSEs for Natural Gas Energy Intensity | | |
|--|--|--------------|--------------|--|--------------|--------------|---------------------------------------|--------------|--------------|
| | 1959 or Before | 1960 to 1989 | 1990 to 2003 | 1959 or Before | 1960 to 1989 | 1990 to 2003 | 1959 or Before | 1960 to 1989 | 1990 to 2003 |
| All Buildings* | 10.6 | 6.9 | 9.9 | 9.4 | 5.5 | 7.8 | 9.1 | 5.4 | 7.4 |
| Space-Heating Energy Sources | | | | | | | | | |
| Natural Gas | 11.0 | 7.3 | 10.2 | 8.4 | 5.8 | 8.1 | 7.3 | 5.6 | 7.9 |
| Natural Gas Main | 11.3 | 7.6 | 10.9 | 8.8 | 5.9 | 8.6 | 7.6 | 5.7 | 8.5 |
| Natural Gas Secondary | 27.4 | 14.9 | 16.2 | 24.9 | 14.4 | 16.6 | 10.2 | 14.5 | 16.3 |
| Other Excluding Natural Gas | 29.1 | 16.7 | 21.3 | 49.5 | 16.9 | 16.9 | 57.7 | 18.9 | 20.4 |
| Buildings without Heating | 83.0 | 55.4 | 82.8 | 37.4 | 50.4 | 49.1 | 86.2 | 45.5 | 89.4 |
| Primary Space-Heating Energy Source | | | | | | | | | |
| Electricity | 25.5 | 11.1 | 14.2 | 24.2 | 11.4 | 14.7 | 13.3 | 9.8 | 14.8 |
| Natural Gas | 11.3 | 7.6 | 10.9 | 8.8 | 5.9 | 8.6 | 7.6 | 5.7 | 8.5 |
| Fuel Oil | 40.3 | 22.1 | 100.7 | 68.0 | 44.6 | 72.0 | 91.7 | 41.0 | 104.2 |
| District Heat | 38.0 | 39.3 | 43.8 | 26.3 | 24.8 | 27.8 | 37.7 | 38.1 | 25.1 |
| Propane | 0.0 | 0.0 | X | 0.0 | 0.0 | X | 0.0 | 0.0 | X |
| Other | 85.4 | 88.8 | 100.1 | 81.2 | 74.7 | 85.4 | 5.4 | 65.9 | 100.9 |
| Cooling Energy Sources | | | | | | | | | |
| Natural Gas | 56.9 | 28.4 | 36.6 | 51.0 | 26.2 | 35.9 | 75.5 | 16.5 | 24.7 |
| Other Excluding Natural Gas | 11.2 | 7.4 | 9.6 | 10.2 | 6.1 | 7.8 | 9.0 | 5.1 | 7.2 |
| Buildings without Cooling | 17.3 | 19.6 | 46.5 | 16.9 | 38.4 | 39.0 | 13.7 | 22.1 | 34.8 |
| Water-Heating Energy Sources | | | | | | | | | |
| Natural Gas | 12.5 | 8.4 | 10.7 | 10.3 | 5.8 | 8.6 | 9.7 | 6.2 | 7.6 |
| Other Excluding Natural Gas | 14.0 | 13.9 | 13.9 | 14.7 | 9.9 | 12.4 | 11.1 | 11.9 | 13.3 |
| Bldgs without Water Heating | 21.2 | 24.4 | 41.5 | 14.6 | 21.1 | 36.1 | 15.1 | 15.6 | 37.4 |
| Cooking Energy Sources | | | | | | | | | |
| Natural Gas | 16.2 | 9.9 | 14.5 | 20.4 | 8.3 | 11.3 | 21.2 | 8.0 | 10.4 |
| Other Excluding Natural Gas | 24.1 | 20.4 | 22.6 | 15.6 | 15.7 | 20.2 | 18.3 | 14.6 | 10.8 |
| Buildings without Cooking | 11.5 | 9.8 | 13.0 | 10.0 | 7.3 | 10.5 | 7.5 | 7.2 | 10.3 |
| Energy End Uses (more than one may apply) | | | | | | | | | |
| Buildings with Space Heating | 10.6 | 6.9 | 9.8 | 9.4 | 5.5 | 7.6 | 9.3 | 5.4 | 7.5 |
| Buildings with Cooling | 11.5 | 7.3 | 10.0 | 10.1 | 6.0 | 7.8 | 9.2 | 5.1 | 7.3 |
| Buildings with Water Heating | 11.0 | 7.1 | 9.9 | 10.2 | 5.5 | 7.7 | 9.5 | 5.5 | 7.2 |
| Buildings with Cooking | 15.3 | 9.9 | 13.2 | 18.2 | 8.5 | 10.6 | 18.0 | 7.8 | 9.8 |
| Buildings with Manufacturing | 42.7 | 34.9 | 45.6 | 23.4 | 24.1 | 31.4 | 32.8 | 22.6 | 24.4 |
| Buildings with Electricity Generation | 28.8 | 13.2 | 13.2 | 18.9 | 9.7 | 11.1 | 17.8 | 9.1 | 12.4 |
| Percent of Floorspace Heated | | | | | | | | | |
| Not Heated | 83.0 | 55.4 | 82.8 | 37.4 | 50.4 | 49.1 | 86.2 | 45.5 | 89.4 |
| 1 to 50 | 29.2 | 25.8 | 31.3 | 23.5 | 18.5 | 16.9 | 15.8 | 18.8 | 27.3 |
| 51 to 99 | 24.7 | 21.5 | 21.0 | 14.4 | 15.3 | 15.5 | 19.3 | 13.4 | 19.9 |
| 100 | 11.2 | 7.6 | 9.3 | 13.4 | 5.9 | 7.8 | 12.1 | 6.1 | 6.7 |
| Percent of Floorspace Cooled | | | | | | | | | |
| Not Cooled | 17.3 | 19.6 | 46.5 | 16.9 | 38.4 | 39.0 | 13.7 | 22.1 | 34.8 |
| 1 to 50 | 14.8 | 18.2 | 17.1 | 12.1 | 14.2 | 16.6 | 11.3 | 10.0 | 14.2 |
| 51 to 99 | 21.1 | 12.4 | 19.8 | 17.1 | 9.1 | 10.9 | 24.2 | 9.1 | 14.3 |
| 100 | 16.8 | 9.9 | 9.5 | 12.2 | 8.0 | 8.9 | 10.4 | 7.7 | 8.7 |

RSEs for Table C32. Natural Gas Consumption and Conditional Energy Intensity by Year Constructed for Non-Mall Buildings, 2003

| | RSEs for Total Natural Gas Consumption | | | RSEs for Total Floorspace of Buildings Using Natural Gas | | | RSEs for Natural Gas Energy Intensity | | |
|---|--|--------------|--------------|--|--------------|--------------|---------------------------------------|--------------|--------------|
| | 1959 or Before | 1960 to 1989 | 1990 to 2003 | 1959 or Before | 1960 to 1989 | 1990 to 2003 | 1959 or Before | 1960 to 1989 | 1990 to 2003 |
| All Buildings* | 10.6 | 6.9 | 9.9 | 9.4 | 5.5 | 7.8 | 9.1 | 5.4 | 7.4 |
| Heating Equipment (more than one may apply) | | | | | | | | | |
| Heat Pumps | 42.4 | 25.3 | 26.2 | 25.2 | 17.4 | 17.6 | 31.9 | 21.0 | 23.8 |
| Packaged Heat Pumps | 65.3 | 33.3 | 22.4 | 40.7 | 22.2 | 21.6 | 45.4 | 29.2 | 18.8 |
| Split-System Heat Pumps | 42.4 | 28.3 | 34.3 | 27.6 | 30.8 | 28.7 | 37.4 | 24.8 | 24.8 |
| Individual Room Heat Pumps | 34.9 | 21.2 | 43.4 | 30.2 | 23.0 | 24.3 | 29.1 | 14.6 | 40.9 |
| Furnaces | 17.5 | 11.2 | 13.8 | 12.2 | 8.1 | 11.8 | 11.2 | 8.1 | 12.2 |
| Individual Space Heaters | 19.5 | 12.4 | 19.5 | 14.9 | 9.4 | 10.8 | 14.6 | 8.5 | 15.8 |
| District Heat | 64.6 | 34.6 | 55.1 | 25.6 | 23.8 | 27.4 | 54.4 | 33.1 | 49.1 |
| Boilers | 12.7 | 10.7 | 15.6 | 15.0 | 9.1 | 11.7 | 14.6 | 7.4 | 10.6 |
| Packaged Heating Units | 21.1 | 10.3 | 13.5 | 15.0 | 8.5 | 9.5 | 13.4 | 9.0 | 11.6 |
| Other | 33.3 | 27.8 | 27.2 | 31.3 | 23.7 | 37.2 | 18.1 | 15.9 | 40.4 |
| Cooling Equipment (more than one may apply) | | | | | | | | | |
| Residential-Type Central | | | | | | | | | |
| Air Conditioners | 17.8 | 10.9 | 21.4 | 18.8 | 11.4 | 11.6 | 18.6 | 10.6 | 17.8 |
| Heat Pumps | 39.1 | 25.5 | 26.0 | 24.2 | 17.2 | 17.1 | 28.2 | 21.3 | 22.8 |
| Packaged Heat Pumps | 57.8 | 33.8 | 22.3 | 38.1 | 22.5 | 21.1 | 36.0 | 29.6 | 17.2 |
| Split-System Heat Pumps | 39.5 | 29.1 | 33.8 | 27.0 | 31.2 | 27.7 | 33.3 | 25.0 | 23.9 |
| Individual Room Heat Pumps | 34.9 | 20.8 | 43.5 | 30.2 | 22.1 | 24.6 | 29.1 | 16.0 | 41.5 |
| Individual Air Conditioners | 16.8 | 11.5 | 23.7 | 14.6 | 10.1 | 18.0 | 14.7 | 7.7 | 21.7 |
| District Chilled Water | 48.3 | 31.6 | 36.9 | 41.8 | 25.9 | 33.6 | 33.7 | 29.8 | 35.6 |
| Central Chillers | 24.5 | 13.9 | 21.3 | 16.7 | 13.2 | 15.7 | 19.7 | 10.6 | 12.3 |
| Packaged Air Conditioning | | | | | | | | | |
| Units | 14.6 | 8.4 | 9.8 | 14.2 | 7.4 | 9.0 | 14.8 | 6.7 | 8.6 |
| Swamp Coolers | 51.4 | 15.8 | 70.0 | 50.2 | 20.8 | 40.7 | 12.6 | 18.4 | 70.2 |
| Other | 65.5 | 38.9 | 46.1 | 57.1 | 31.9 | 42.8 | 22.3 | 19.7 | 42.8 |
| Main Equipment Replaced Since 1990 (more than one may apply) | | | | | | | | | |
| Heating | 15.1 | 11.7 | 0.0 | 10.6 | 7.9 | 0.0 | 11.2 | 10.0 | 0.0 |
| Cooling | 12.8 | 9.9 | 0.0 | 10.1 | 7.8 | 0.0 | 9.9 | 7.7 | 0.0 |
| Water Heating Equipment | | | | | | | | | |
| Centralized System | 10.0 | 7.8 | 10.3 | 10.3 | 6.6 | 9.6 | 10.9 | 6.0 | 7.0 |
| Distributed System | 22.8 | 21.0 | 23.1 | 23.9 | 14.1 | 11.7 | 25.9 | 18.6 | 20.2 |
| Combination of Centralized and Distributed System | 28.5 | 18.7 | 22.1 | 19.1 | 10.9 | 14.1 | 18.8 | 14.7 | 16.2 |
| Energy-Related Space Functions (more than one may apply) | | | | | | | | | |
| Commercial Food Preparation | 15.4 | 9.9 | 13.2 | 18.2 | 8.5 | 10.6 | 18.0 | 7.8 | 9.8 |
| Activities with Large Amounts of Hot Water | 17.0 | 10.6 | 13.6 | 22.8 | 8.1 | 10.8 | 28.2 | 8.0 | 9.6 |
| Separate Computer Area | 14.7 | 10.3 | 14.9 | 10.3 | 9.2 | 9.4 | 11.3 | 7.4 | 11.2 |
| HVAC Conservation Features (more than one may apply) | | | | | | | | | |
| Variable Air-Volume System | 19.4 | 13.6 | 14.7 | 13.5 | 10.4 | 9.2 | 13.9 | 10.5 | 10.8 |
| Economizer Cycle | 16.3 | 9.6 | 13.5 | 13.0 | 8.8 | 8.8 | 11.7 | 6.9 | 10.7 |
| HVAC Maintenance | 11.5 | 7.5 | 9.9 | 10.9 | 6.2 | 7.9 | 10.7 | 5.6 | 7.9 |
| Energy Management and Control System (EMCS) | 19.2 | 13.3 | 12.4 | 12.8 | 11.6 | 10.0 | 13.8 | 11.1 | 10.6 |

RSEs for Table C32. Natural Gas Consumption and Conditional Energy Intensity by Year Constructed for Non-Mall Buildings, 2003

| | RSEs for Total Natural Gas Consumption | | | RSEs for Total Floorspace of Buildings Using Natural Gas | | | RSEs for Natural Gas Energy Intensity | | |
|--|--|-----------------|-----------------|--|-----------------|-----------------|---|-----------------|-----------------|
| | 1959 or Before | 1960 to 1989 | 1990 to 2003 | 1959 or Before | 1960 to 1989 | 1990 to 2003 | 1959 or Before | 1960 to 1989 | 1990 to 2003 |
| All Buildings* | 10.6 | 6.9 | 9.9 | 9.4 | 5.5 | 7.8 | 9.1 | 5.4 | 7.4 |
| Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^a | | | | | | | | | |
| Heating | 11.6 | 7.9 | 9.9 | 10.3 | 6.6 | 8.7 | 11.6 | 6.3 | 6.4 |
| Cooling | 11.9 | 7.8 | 10.3 | 11.0 | 6.9 | 9.0 | 11.7 | 5.9 | 6.2 |
| Lighting | 10.1 | 8.2 | 10.4 | 9.2 | 6.4 | 8.6 | 9.1 | 6.5 | 7.4 |
| Office Equipment | 16.2 | 11.7 | 12.4 | 13.4 | 9.2 | 12.4 | 15.5 | 10.3 | 10.0 |
| Annual Consumption (hundred cubic feet) | | | | | | | | | |
| 1,000 or Less | 16.5 | 11.9 | 18.4 | 28.5 | 20.5 | 16.5 | 34.2 | 15.2 | 18.5 |
| 1,001 to 5,000 | 12.9 | 8.7 | 14.5 | 13.7 | 10.2 | 12.6 | 8.0 | 8.4 | 9.4 |
| 5,001 to 10,000 | 13.9 | 11.7 | 17.6 | 16.9 | 10.3 | 16.8 | 9.8 | 8.8 | 14.9 |
| 10,001 to 25,000 | 12.8 | 13.4 | 14.8 | 14.3 | 10.0 | 14.1 | 10.3 | 8.8 | 12.0 |
| 25,001 to 50,000 | 16.0 | 15.4 | 19.9 | 31.1 | 12.6 | 15.0 | 42.9 | 11.1 | 17.1 |
| 50,001 to 100,000 | 37.0 | 19.9 | 23.1 | 27.5 | 14.8 | 25.7 | 25.7 | 17.8 | 14.4 |
| Over 100,000 | 24.7 | 14.6 | 24.8 | 22.4 | 16.6 | 18.2 | 12.5 | 10.3 | 9.9 |
| Provider of Natural Gas (more than one may apply) | | | | | | | | | |
| Local Utility | 10.9 | 7.4 | 9.9 | 10.0 | 5.2 | 7.7 | 9.8 | 6.1 | 7.7 |
| Some Other Provider | 22.5 | 16.6 | 22.4 | 19.0 | 17.8 | 20.0 | 16.8 | 12.5 | 17.5 |

X=No cases in the responding sample reported their consumption for the particular fuel, so relative standard error could not be calculated.

RSEs for Table C33. Total Fuel Oil Consumption and Expenditures for Non-Mall Buildings, 2003

| | RSEs for All Buildings* Using Fuel Oil | | | RSEs for Fuel Oil Consumption | | RSEs for Fuel Oil Expenditures |
|--|--|------------|-------------------------|-------------------------------|-------|--------------------------------|
| | Number of Buildings | Floorspace | Floorspace per Building | Total | Total | Total |
| All Buildings* | 12.7 | 8.5 | 12.1 | 17.0 | 17.0 | 16.2 |
| Building Floorspace (Square Feet) | | | | | | |
| 1,001 to 5,000 | 15.7 | 17.3 | 4.2 | 32.7 | 32.7 | 25.5 |
| 5,001 to 10,000 | 22.4 | 23.4 | 4.3 | 41.3 | 41.3 | 37.1 |
| 10,001 to 25,000 | 26.1 | 27.3 | 3.6 | 29.1 | 29.1 | 28.7 |
| 25,001 to 50,000 | 20.3 | 20.6 | 3.4 | 17.0 | 17.0 | 20.4 |
| 50,001 to 100,000 | 12.7 | 12.4 | 2.1 | 18.7 | 18.7 | 18.6 |
| 100,001 to 200,000 | 16.2 | 15.2 | 3.3 | 24.6 | 24.6 | 24.8 |
| 200,001 to 500,000 | 12.9 | 14.0 | 3.4 | 29.7 | 29.7 | 31.8 |
| Over 500,000 | 18.7 | 18.9 | 5.3 | 43.7 | 43.7 | 41.2 |
| Principal Building Activity | | | | | | |
| Education | 21.8 | 17.4 | 15.3 | 24.2 | 24.2 | 23.1 |
| Food Sales | 45.3 | 52.3 | 31.1 | 57.5 | 57.5 | 58.3 |
| Food Service | 51.7 | 49.2 | 19.0 | 67.8 | 67.8 | 68.8 |
| Health Care | 31.1 | 14.7 | 31.7 | 23.3 | 23.3 | 21.9 |
| Inpatient | 28.5 | 15.6 | 20.8 | 24.0 | 24.0 | 22.5 |
| Outpatient | 50.8 | 30.4 | 59.9 | 58.4 | 58.4 | 60.7 |
| Lodging | 23.3 | 19.6 | 23.9 | 37.5 | 37.5 | 37.6 |
| Retail (Other Than Mall)..... | 33.1 | 31.9 | 35.7 | 55.1 | 55.1 | 47.6 |
| Office | 23.8 | 17.3 | 23.9 | 37.7 | 37.7 | 37.2 |
| Public Assembly | 19.1 | 25.6 | 21.9 | 30.6 | 30.6 | 30.3 |
| Public Order and Safety | 34.7 | 38.0 | 43.8 | 40.1 | 40.1 | 42.1 |
| Religious Worship | 32.4 | 29.1 | 19.6 | 41.2 | 41.2 | 40.7 |
| Service | 21.7 | 20.5 | 15.8 | 63.0 | 63.0 | 56.9 |
| Warehouse and Storage | 30.8 | 27.5 | 35.0 | 48.3 | 48.3 | 46.9 |
| Other | 59.8 | 29.9 | 116.7 | 64.7 | 64.7 | 57.9 |
| Vacant | 77.4 | 80.8 | 11.8 | 72.7 | 72.7 | 70.4 |
| Year Constructed | | | | | | |
| Before 1920 | 24.1 | 24.3 | 22.8 | 31.0 | 31.0 | 26.2 |
| 1920 to 1945 | 28.2 | 26.0 | 39.1 | 32.7 | 32.7 | 38.9 |
| 1946 to 1959 | 24.3 | 19.8 | 24.7 | 35.1 | 35.1 | 30.7 |
| 1960 to 1969 | 30.5 | 15.2 | 23.8 | 52.9 | 52.9 | 51.8 |
| 1970 to 1979 | 20.6 | 15.5 | 22.3 | 26.4 | 26.4 | 25.0 |
| 1980 to 1989 | 23.4 | 15.1 | 26.0 | 26.6 | 26.6 | 27.0 |
| 1990 to 1999 | 21.5 | 14.4 | 20.0 | 37.9 | 37.9 | 37.5 |
| 2000 to 2003 | 32.3 | 20.2 | 34.8 | 54.2 | 54.2 | 55.3 |
| Census Region and Division | | | | | | |
| Northeast | 20.3 | 16.5 | 15.5 | 21.1 | 21.1 | 20.4 |
| New England | 18.3 | 30.9 | 14.8 | 27.5 | 27.5 | 24.9 |
| Middle Atlantic | 38.5 | 19.2 | 29.3 | 34.1 | 34.1 | 36.2 |
| Midwest | 25.2 | 12.9 | 24.5 | 47.0 | 47.0 | 41.3 |
| East North Central | 24.2 | 13.8 | 26.3 | 67.0 | 67.0 | 56.4 |
| West North Central | 46.4 | 28.1 | 44.3 | 54.8 | 54.8 | 59.4 |
| South | 25.9 | 18.2 | 30.2 | 40.4 | 40.4 | 39.7 |
| South Atlantic | 38.3 | 21.3 | 41.6 | 43.5 | 43.5 | 42.9 |
| East South Central | 34.4 | 12.5 | 27.1 | 20.8 | 20.8 | 23.4 |
| West South Central | 40.0 | 38.3 | 46.7 | 38.2 | 38.2 | 34.0 |
| West | 26.6 | 15.8 | 32.6 | 44.5 | 44.5 | 48.3 |
| Mountain | 36.6 | 29.9 | 65.3 | 69.8 | 69.8 | 74.3 |
| Pacific | 32.2 | 18.4 | 39.1 | 47.8 | 47.8 | 52.0 |

RSEs for Table C33. Total Fuel Oil Consumption and Expenditures for Non-Mall Buildings, 2003

| | RSEs for All Buildings* Using Fuel Oil | | | RSEs for Fuel Oil Consumption | | RSEs for Fuel Oil Expenditures |
|---------------------------------------|---|------------|----------------------------|----------------------------------|-------|--------------------------------------|
| | Number of Buildings | Floorspace | Floorspace per Building | Total | Total | Total |
| All Buildings* | 12.7 | 8.5 | 12.1 | 17.0 | 17.0 | 16.2 |
| Climate Zone: 30-Year Average | | | | | | |
| Under 2,000 CDD and -- | | | | | | |
| More than 7,000 HDD | 20.3 | 21.4 | 13.9 | 34.6 | 34.6 | 32.8 |
| 5,500-7,000 HDD | 27.2 | 14.5 | 17.6 | 22.3 | 22.3 | 20.3 |
| 4,000-5,499 HDD | 37.4 | 25.2 | 33.4 | 40.4 | 40.4 | 45.4 |
| Fewer than 4,000 HDD | 30.0 | 13.9 | 27.9 | 34.8 | 34.8 | 37.0 |
| 2,000 CDD or More and -- | | | | | | |
| Fewer than 4,000 HDD | 31.6 | 29.9 | 36.8 | 28.1 | 28.1 | 24.9 |
| Number of Floors | | | | | | |
| One | 16.3 | 15.0 | 10.9 | 31.4 | 31.4 | 30.0 |
| Two | 14.8 | 14.2 | 14.8 | 26.9 | 26.9 | 23.0 |
| Three | 23.9 | 21.9 | 26.3 | 19.7 | 19.7 | 20.3 |
| Four to Nine | 18.3 | 13.7 | 11.8 | 27.2 | 27.2 | 21.5 |
| Ten or More | 17.4 | 19.0 | 9.2 | 41.0 | 41.0 | 42.9 |
| Number of Workers (main shift) | | | | | | |
| Fewer than 5 | 16.5 | 22.3 | 11.5 | 29.0 | 29.0 | 25.3 |
| 5 to 9 | 27.2 | 26.1 | 19.1 | 37.4 | 37.4 | 36.2 |
| 10 to 19 | 30.2 | 25.2 | 19.1 | 30.3 | 30.3 | 29.8 |
| 20 to 49 | 18.8 | 15.7 | 19.1 | 22.6 | 22.6 | 31.5 |
| 50 to 99 | 14.1 | 20.2 | 14.0 | 32.0 | 32.0 | 31.8 |
| 100 to 249 | 19.0 | 19.4 | 8.7 | 31.0 | 31.0 | 30.9 |
| 250 or More | 10.5 | 13.6 | 7.9 | 24.3 | 24.3 | 25.6 |
| Weekly Operating Hours | | | | | | |
| Fewer than 40 | 19.6 | 28.0 | 21.5 | 27.0 | 27.0 | 27.1 |
| 40 to 48 | 24.1 | 17.2 | 19.2 | 40.0 | 40.0 | 39.9 |
| 49 to 60 | 19.9 | 16.7 | 21.1 | 26.9 | 26.9 | 24.9 |
| 61 to 84 | 20.7 | 17.3 | 24.0 | 29.8 | 29.8 | 26.7 |
| 85 to 167 | 28.0 | 21.8 | 27.1 | 40.8 | 40.8 | 34.8 |
| Open Continuously | 16.9 | 10.3 | 17.3 | 21.3 | 21.3 | 21.3 |
| Ownership and Occupancy | | | | | | |
| Nongovernment Owned | 13.4 | 9.4 | 13.6 | 18.4 | 18.4 | 17.0 |
| Owner Occupied | 15.7 | 12.3 | 14.4 | 21.0 | 21.0 | 20.3 |
| Nonowner Occupied | 18.1 | 12.5 | 20.8 | 29.8 | 29.8 | 26.2 |
| Unoccupied | 93.8 | 93.8 | 0.0 | 93.8 | 93.8 | 93.8 |
| Government Owned | 20.2 | 12.4 | 19.4 | 21.5 | 21.5 | 22.0 |
| Federal | 44.6 | 47.3 | 57.2 | 58.4 | 58.4 | 60.5 |
| State | 34.2 | 25.2 | 30.1 | 37.4 | 37.4 | 40.7 |
| Local | 25.0 | 13.3 | 24.5 | 20.7 | 20.7 | 14.4 |
| Vacancy Status | | | | | | |
| Completely Vacant | 97.3 | 94.5 | 5.1 | 99.0 | 99.0 | 98.9 |
| Mostly Vacant | 100.1 | 100.1 | 0.0 | 100.1 | 100.1 | 100.1 |
| Partially Vacant | 25.2 | 15.7 | 29.5 | 25.5 | 25.5 | 34.9 |
| Not At All Vacant | 13.4 | 8.4 | 12.5 | 17.3 | 17.3 | 16.1 |

RSEs for Table C33. Total Fuel Oil Consumption and Expenditures for Non-Mall Buildings, 2003

| | RSEs for All Buildings* Using Fuel Oil | | | RSEs for Fuel Oil Consumption | | RSEs for Fuel Oil Expenditures |
|---|---|------------|----------------------------|----------------------------------|-------|--------------------------------------|
| | Number of Buildings | Floorspace | Floorspace per Building | Total | Total | Total |
| All Buildings* | 12.7 | 8.5 | 12.1 | 17.0 | 17.0 | 16.2 |
| Number of Establishments | | | | | | |
| One | 14.9 | 9.2 | 14.1 | 21.0 | 21.0 | 19.5 |
| 2 to 5 | 18.1 | 13.5 | 15.3 | 21.0 | 21.0 | 19.3 |
| 6 to 10 | 30.0 | 25.2 | 21.8 | 52.9 | 52.9 | 58.6 |
| 11 to 20 | 21.0 | 30.2 | 19.0 | 81.8 | 81.8 | 79.4 |
| More than 20 | 22.2 | 23.1 | 13.7 | 61.3 | 61.3 | 50.8 |
| Currently Unoccupied | 97.3 | 94.5 | 5.1 | 99.0 | 99.0 | 98.9 |
| Predominant Exterior Wall Material | | | | | | |
| Brick, Stone or Stucco | 18.1 | 11.3 | 17.0 | 15.4 | 15.4 | 16.2 |
| Concrete (Block or Poured) | 20.0 | 13.8 | 19.2 | 27.9 | 27.9 | 29.4 |
| Concrete Panels | 25.3 | 22.1 | 29.3 | 69.7 | 69.7 | 63.5 |
| Siding or Shingles | 15.1 | 19.3 | 11.0 | 42.4 | 42.4 | 36.1 |
| Metal Panels | 22.0 | 22.9 | 26.7 | 28.1 | 28.1 | 30.1 |
| Window Glass | 33.9 | 23.1 | 25.6 | 43.0 | 43.0 | 44.9 |
| Other | 42.1 | 33.2 | 33.2 | 83.7 | 83.7 | 85.0 |
| No One Major Type | 48.1 | 47.3 | 36.7 | 75.9 | 75.9 | 71.9 |
| Predominant Roof Material | | | | | | |
| Built-Up | 17.4 | 12.0 | 19.7 | 19.9 | 19.9 | 21.7 |
| Shingles (Not Wood) | 13.9 | 13.8 | 12.6 | 26.1 | 26.1 | 23.7 |
| Metal Surfacing | 21.9 | 22.1 | 16.1 | 43.7 | 43.7 | 38.6 |
| Synthetic or Rubber | 20.3 | 11.6 | 19.8 | 19.8 | 19.8 | 19.9 |
| Slate or Tile | 34.4 | 38.8 | 42.6 | 37.6 | 37.6 | 38.7 |
| Wooden Materials | 48.7 | 34.5 | 33.1 | 64.3 | 64.3 | 59.6 |
| Concrete | 35.5 | 42.4 | 33.9 | 44.8 | 44.8 | 61.3 |
| Other | 54.3 | 50.8 | 18.5 | 100.7 | 100.7 | 100.8 |
| No One Major Type | 61.3 | 49.0 | 38.5 | 70.2 | 70.2 | 69.9 |
| Renovations in Buildings Constructed Before 1980 (more than one may apply) | | | | | | |
| Any Type of Renovation | | | | | | |
| Since 1980 | 14.3 | 11.7 | 12.8 | 23.9 | 23.9 | 24.4 |
| Addition or Annex | 26.8 | 20.5 | 17.9 | 60.6 | 60.6 | 60.7 |
| Reduction In Floorspace | 41.9 | 35.8 | 48.2 | 55.0 | 55.0 | 66.2 |
| Cosmetic Improvements | 14.5 | 11.8 | 14.4 | 20.1 | 20.1 | 18.0 |
| Wall or Roof Replacement | 19.6 | 14.7 | 21.1 | 14.7 | 14.7 | 14.8 |
| Interior Wall | | | | | | |
| Re-Configuration | 15.5 | 13.6 | 17.9 | 14.0 | 14.0 | 15.4 |
| HVAC Equipment Upgrade | 23.6 | 12.4 | 23.2 | 17.6 | 17.6 | 19.1 |
| Lighting Upgrade | 17.7 | 13.3 | 17.3 | 17.0 | 17.0 | 15.6 |
| Window Replacement | 26.4 | 16.2 | 27.7 | 31.8 | 31.8 | 28.8 |
| Plumbing System Upgrade | 30.1 | 16.7 | 35.9 | 25.5 | 25.5 | 20.5 |
| Insulation Upgrade | 30.4 | 20.4 | 25.6 | 39.2 | 39.2 | 35.0 |
| Other Renovation | 60.7 | 44.6 | 59.2 | 67.2 | 67.2 | 71.3 |
| No Renovations Since 1980 | 18.5 | 13.8 | 16.0 | 19.6 | 19.6 | 20.4 |
| Building Newer than 1980 | 18.0 | 11.4 | 18.4 | 28.8 | 28.8 | 28.6 |

RSEs for Table C33. Total Fuel Oil Consumption and Expenditures for Non-Mall Buildings, 2003

| | RSEs for All Buildings* Using Fuel Oil | | | RSEs for Fuel Oil Consumption | | RSEs for Fuel Oil Expenditures |
|--|---|------------|----------------------------|----------------------------------|-------|--------------------------------------|
| | Number of Buildings | Floorspace | Floorspace per Building | Total | Total | Total |
| All Buildings* | 12.7 | 8.5 | 12.1 | 17.0 | 17.0 | 16.2 |
| Energy Sources (more than one may apply) | | | | | | |
| Electricity | 13.3 | 9.2 | 12.7 | 18.9 | 18.9 | 17.5 |
| Natural Gas | 15.5 | 10.3 | 16.9 | 15.1 | 15.1 | 16.6 |
| Fuel Oil | 12.7 | 8.5 | 12.1 | 17.0 | 17.0 | 16.2 |
| District Heat | 23.6 | 23.1 | 20.3 | 44.7 | 44.7 | 39.6 |
| District Chilled Water | 21.9 | 25.4 | 21.7 | 37.4 | 37.4 | 34.4 |
| Propane | 22.4 | 20.1 | 14.8 | 34.6 | 34.6 | 34.4 |
| Other | 25.9 | 21.1 | 27.7 | 53.4 | 53.4 | 48.3 |
| Space-Heating Energy Sources | | | | | | |
| Fuel Oil | 14.7 | 13.6 | 10.0 | 17.6 | 17.6 | 16.5 |
| Fuel Oil Main | 17.6 | 20.3 | 11.5 | 19.2 | 19.2 | 18.0 |
| Fuel Oil Secondary | 19.3 | 12.8 | 16.7 | 21.1 | 21.1 | 22.0 |
| Other Excluding Fuel Oil | 12.4 | 10.3 | 14.3 | 25.9 | 25.9 | 30.4 |
| Buildings without Heating | 53.2 | 36.6 | 52.5 | 60.4 | 60.4 | 62.6 |
| Primary Space-Heating Energy Source | | | | | | |
| Electricity | 25.2 | 16.1 | 28.9 | 38.9 | 38.9 | 35.8 |
| Natural Gas | 16.6 | 10.9 | 16.7 | 21.6 | 21.6 | 25.1 |
| Fuel Oil | 17.6 | 20.3 | 11.5 | 19.2 | 19.2 | 18.0 |
| District Heat | 22.2 | 23.8 | 20.8 | 38.6 | 38.6 | 34.8 |
| Propane | 51.6 | 45.3 | 33.8 | 62.2 | 62.2 | 64.7 |
| Other | 34.2 | 36.7 | 30.9 | 45.4 | 45.4 | 42.2 |
| Cooling Energy Sources | | | | | | |
| Fuel Oil | 100.8 | 100.8 | 0.0 | 100.8 | 100.8 | 100.8 |
| Other Excluding Fuel Oil | 13.3 | 8.9 | 13.5 | 22.0 | 22.0 | 21.3 |
| Buildings without Cooling | 15.1 | 22.6 | 17.4 | 16.5 | 16.5 | 23.5 |
| Water-Heating Energy Sources | | | | | | |
| Fuel Oil | 17.8 | 16.1 | 12.1 | 22.1 | 22.1 | 23.4 |
| Other Excluding Fuel Oil | 10.6 | 9.1 | 12.3 | 21.9 | 21.9 | 19.9 |
| Buildings without Water Heating | 24.1 | 31.9 | 28.8 | 30.7 | 30.7 | 31.5 |
| Cooking Energy Sources | | | | | | |
| Fuel Oil | 53.9 | 49.8 | 23.3 | 74.4 | 74.4 | 74.5 |
| Other Excluding Fuel Oil | 20.5 | 11.2 | 18.7 | 22.3 | 22.3 | 19.4 |
| Buildings without Cooking | 13.4 | 10.1 | 13.2 | 19.7 | 19.7 | 17.7 |
| Energy End Uses (more than one may apply) | | | | | | |
| Buildings with Space Heating | 12.6 | 8.5 | 12.2 | 17.1 | 17.1 | 16.1 |
| Buildings with Cooling | 13.3 | 8.8 | 13.5 | 21.8 | 21.8 | 21.1 |
| Buildings with Water Heating | 10.8 | 8.8 | 11.2 | 17.2 | 17.2 | 16.1 |
| Buildings with Cooking | 20.5 | 11.1 | 18.5 | 22.0 | 22.0 | 19.7 |
| Buildings with Manufacturing | 30.2 | 31.9 | 41.8 | 44.7 | 44.7 | 40.3 |
| Buildings with Electricity Generation | 12.4 | 9.3 | 13.8 | 18.7 | 18.7 | 19.1 |

RSEs for Table C33. Total Fuel Oil Consumption and Expenditures for Non-Mall Buildings, 2003

| | RSEs for All Buildings* Using Fuel Oil | | | RSEs for Fuel Oil Consumption | | RSEs for Fuel Oil Expenditures |
|--|---|------------|----------------------------|----------------------------------|-------|--------------------------------------|
| | Number of Buildings | Floorspace | Floorspace per Building | Total | Total | Total |
| All Buildings* | 12.7 | 8.5 | 12.1 | 17.0 | 17.0 | 16.2 |
| Percent of Floorspace Heated | | | | | | |
| Not Heated | 53.2 | 36.6 | 52.5 | 60.4 | 60.4 | 62.6 |
| 1 to 50 | 29.6 | 27.4 | 38.4 | 38.1 | 38.1 | 38.2 |
| 51 to 99 | 31.6 | 17.4 | 32.1 | 22.3 | 22.3 | 25.2 |
| 100 | 13.7 | 9.1 | 13.4 | 18.8 | 18.8 | 17.4 |
| Heating Equipment (more than one may apply) | | | | | | |
| Heat Pumps | 15.7 | 17.0 | 18.2 | 40.3 | 40.3 | 39.9 |
| Packaged Heat Pumps | 27.7 | 24.7 | 21.4 | 49.0 | 49.0 | 51.9 |
| Split-System Heat Pumps | 59.3 | 35.3 | 37.3 | 59.3 | 59.3 | 58.3 |
| Individual Room Heat Pumps | 26.7 | 23.6 | 26.3 | 58.0 | 58.0 | 58.1 |
| Furnaces | 15.3 | 15.9 | 16.2 | 32.2 | 32.2 | 29.4 |
| Individual Space Heaters | 19.7 | 15.1 | 21.4 | 24.3 | 24.3 | 25.4 |
| District Heat | 24.2 | 23.7 | 20.8 | 40.0 | 40.0 | 35.9 |
| Boilers | 14.4 | 9.4 | 12.6 | 15.0 | 15.0 | 14.5 |
| Packaged Heating Units | 16.2 | 12.1 | 19.1 | 35.6 | 35.6 | 36.1 |
| Other | 27.7 | 20.1 | 30.3 | 40.9 | 40.9 | 40.6 |
| Water Heating Equipment | | | | | | |
| Centralized System | 12.1 | 10.8 | 12.6 | 17.1 | 17.1 | 16.1 |
| Distributed System | 27.4 | 23.5 | 25.4 | 36.7 | 36.7 | 33.8 |
| Combination of Centralized and Distributed System | 16.1 | 13.3 | 15.7 | 30.6 | 30.6 | 29.3 |
| Energy-Related Space Functions (more than one may apply) | | | | | | |
| Commercial Food Preparation | 20.5 | 11.1 | 18.5 | 22.0 | 22.0 | 19.7 |
| Activities with Large Amounts of Hot Water | 17.6 | 11.5 | 15.4 | 21.9 | 21.9 | 19.0 |
| Separate Computer Area | 11.7 | 10.5 | 12.6 | 17.1 | 17.1 | 15.3 |
| HVAC Conservation Features (more than one may apply) | | | | | | |
| Variable Air-Volume System | 21.5 | 10.8 | 19.8 | 23.8 | 23.8 | 19.7 |
| Economizer Cycle | 13.7 | 10.8 | 13.9 | 20.5 | 20.5 | 20.6 |
| HVAC Maintenance | 15.0 | 8.9 | 14.1 | 17.9 | 17.9 | 17.2 |
| Energy Management and Control System (EMCS) | 11.9 | 12.5 | 10.5 | 20.9 | 20.9 | 20.1 |
| Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^a | | | | | | |
| Heating | 13.7 | 9.8 | 13.8 | 19.7 | 19.7 | 17.6 |
| Cooling | 15.6 | 9.9 | 16.0 | 23.5 | 23.5 | 22.2 |
| Lighting | 13.6 | 10.8 | 13.7 | 21.5 | 21.5 | 19.7 |
| Office Equipment | 16.9 | 13.4 | 15.9 | 23.9 | 23.9 | 22.7 |

RSEs for Table C33. Total Fuel Oil Consumption and Expenditures for Non-Mall Buildings, 2003

| | RSEs for All Buildings* Using Fuel Oil | | | RSEs for Fuel Oil Consumption | | RSEs for Fuel Oil Expenditures |
|---|---|------------|----------------------------|----------------------------------|-------|--------------------------------------|
| | Number of Buildings | Floorspace | Floorspace per Building | Total | Total | Total |
| All Buildings* | 12.7 | 8.5 | 12.1 | 17.0 | 17.0 | 16.2 |
| Annual Consumption (gallons) | | | | | | |
| 1,000 or Less | 12.9 | 9.0 | 14.9 | 17.0 | 17.0 | 16.2 |
| 1,001 to 5,000 | 22.9 | 17.9 | 18.6 | 27.3 | 27.3 | 26.6 |
| 5,001 to 10,000 | 23.6 | 18.7 | 25.6 | 21.2 | 21.2 | 30.8 |
| 10,001 to 25,000 | 33.5 | 18.4 | 26.2 | 35.2 | 35.2 | 31.5 |
| Over 25,000 | 47.8 | 29.2 | 15.6 | 31.2 | 31.2 | 32.7 |

X=No cases in the responding sample reported their consumption for the particular fuel, so relative standard error could not be calculated.

RSEs for Table C34. Fuel Oil Consumption and Expenditure Intensities for Non-Mall Buildings, 2003

| | RSEs for Fuel Oil Consumption | | | RSEs for Fuel Oil Expenditures | | |
|--|-------------------------------|---------------------------|----------------------|---------------------------------|---------------------------|----------------------|
| | per Building (gallons) | per Square Foot (gallons) | per Worker (gallons) | per Building (thousand dollars) | per Square Foot (dollars) | per Gallon (dollars) |
| All Buildings* | 12.3 | 14.2 | 16.5 | 11.0 | 13.9 | 4.6 |
| Building Floorspace (Square Feet) | | | | | | |
| 1,001 to 5,000 | 29.7 | 28.9 | 33.3 | 22.2 | 21.8 | 8.0 |
| 5,001 to 10,000 | 37.9 | 40.8 | 28.8 | 32.6 | 35.3 | 5.0 |
| 10,001 to 25,000 | 19.1 | 18.3 | 18.6 | 15.8 | 15.2 | 21.9 |
| 25,001 to 50,000 | 17.3 | 17.4 | 21.0 | 18.2 | 18.7 | 6.5 |
| 50,001 to 100,000 | 17.2 | 16.6 | 19.3 | 17.6 | 17.0 | 6.2 |
| 100,001 to 200,000 | 21.0 | 20.0 | 27.3 | 24.9 | 23.9 | 10.9 |
| 200,001 to 500,000 | 26.0 | 26.3 | 25.6 | 30.4 | 32.0 | 20.3 |
| Over 500,000 | 41.3 | 38.7 | 45.9 | 39.3 | 36.8 | 5.1 |
| Principal Building Activity | | | | | | |
| Education | 19.1 | 16.2 | 15.5 | 21.5 | 17.9 | 12.2 |
| Food Sales | 9.3 | 49.2 | 115.0 | 10.8 | 41.9 | 6.1 |
| Food Service | 37.3 | 40.2 | 14.1 | 36.4 | 40.6 | 5.9 |
| Health Care | 32.1 | 24.3 | 24.7 | 32.0 | 23.0 | 3.5 |
| Inpatient | 41.2 | 25.5 | 25.5 | 40.0 | 24.0 | 3.6 |
| Outpatient | 58.7 | 57.0 | 64.3 | 61.2 | 59.2 | 11.1 |
| Lodging | 40.7 | 37.3 | 44.8 | 41.2 | 39.0 | 11.1 |
| Retail (Other Than Mall)..... | 42.3 | 58.5 | 54.0 | 32.9 | 51.3 | 10.2 |
| Office | 25.8 | 40.3 | 39.0 | 21.1 | 39.0 | 16.4 |
| Public Assembly | 22.2 | 28.7 | 41.5 | 20.1 | 27.7 | 6.3 |
| Public Order and Safety | 25.4 | 62.3 | 92.4 | 27.2 | 63.5 | 4.6 |
| Religious Worship | 20.1 | 24.5 | 40.7 | 19.9 | 25.6 | 4.8 |
| Service | 52.1 | 53.9 | 57.5 | 46.2 | 47.8 | 6.7 |
| Warehouse and Storage | 47.2 | 33.6 | 57.0 | 45.0 | 35.2 | 9.3 |
| Other | 114.3 | 49.6 | 63.0 | 113.8 | 41.9 | 7.4 |
| Vacant | 16.3 | 25.6 | 63.9 | 29.1 | 37.1 | 14.9 |
| Year Constructed | | | | | | |
| Before 1920 | 22.9 | 29.0 | 30.6 | 17.1 | 24.0 | 7.0 |
| 1920 to 1945 | 39.5 | 27.2 | 32.2 | 33.4 | 34.9 | 19.8 |
| 1946 to 1959 | 31.0 | 34.2 | 42.4 | 24.2 | 29.2 | 22.3 |
| 1960 to 1969 | 36.2 | 43.2 | 40.4 | 35.9 | 42.3 | 3.6 |
| 1970 to 1979 | 26.1 | 25.9 | 32.8 | 24.9 | 24.8 | 7.0 |
| 1980 to 1989 | 27.5 | 27.0 | 27.0 | 26.8 | 27.7 | 4.1 |
| 1990 to 1999 | 31.9 | 35.2 | 36.7 | 33.9 | 35.1 | 8.8 |
| 2000 to 2003 | 36.5 | 54.3 | 56.8 | 36.8 | 55.3 | 3.8 |
| Census Region and Division | | | | | | |
| Northeast | 13.4 | 11.5 | 18.4 | 11.9 | 12.4 | 5.6 |
| New England | 11.7 | 15.7 | 13.5 | 11.9 | 15.7 | 6.1 |
| Middle Atlantic | 22.0 | 22.0 | 33.1 | 18.2 | 26.6 | 10.2 |
| Midwest | 40.4 | 42.2 | 46.4 | 34.1 | 36.5 | 6.7 |
| East North Central | 58.1 | 59.3 | 66.1 | 48.4 | 49.5 | 6.9 |
| West North Central | 27.0 | 46.8 | 42.3 | 35.9 | 51.5 | 12.0 |
| South | 25.9 | 36.9 | 38.0 | 24.6 | 36.6 | 2.3 |
| South Atlantic | 26.3 | 37.2 | 40.6 | 24.6 | 37.1 | 2.4 |
| East South Central | 25.2 | 11.7 | 16.6 | 29.9 | 12.3 | 8.3 |
| West South Central | 42.4 | 31.3 | 29.8 | 40.4 | 29.3 | 5.6 |
| West | 48.4 | 54.3 | 49.2 | 52.4 | 58.4 | 3.6 |
| Mountain | 58.1 | 115.3 | 83.5 | 61.5 | 120.7 | 2.7 |
| Pacific | 56.1 | 47.3 | 50.8 | 61.8 | 51.3 | 5.8 |

RSEs for Table C34. Fuel Oil Consumption and Expenditure Intensities for Non-Mall Buildings, 2003

| | RSEs for Fuel Oil Consumption | | | RSEs for Fuel Oil Expenditures | | |
|---------------------------------------|-------------------------------|---------------------------|----------------------|---------------------------------|---------------------------|----------------------|
| | per Building (gallons) | per Square Foot (gallons) | per Worker (gallons) | per Building (thousand dollars) | per Square Foot (dollars) | per Gallon (dollars) |
| All Buildings* | 12.3 | 14.2 | 16.5 | 11.0 | 13.9 | 4.6 |
| Climate Zone: 30-Year Average | | | | | | |
| Under 2,000 CDD and -- | | | | | | |
| More than 7,000 HDD | 21.4 | 19.2 | 19.3 | 18.9 | 18.0 | 3.5 |
| 5,500-7,000 HDD | 14.1 | 16.4 | 22.1 | 15.6 | 16.1 | 7.8 |
| 4,000-5,499 HDD | 28.5 | 30.8 | 35.4 | 25.5 | 39.2 | 15.7 |
| Fewer than 4,000 HDD | 35.8 | 33.2 | 37.1 | 37.7 | 35.3 | 3.8 |
| 2,000 CDD or More and -- | | | | | | |
| Fewer than 4,000 HDD | 32.1 | 16.7 | 16.0 | 30.3 | 17.9 | 5.3 |
| Number of Floors | | | | | | |
| One | 23.2 | 27.9 | 29.6 | 22.0 | 26.9 | 9.0 |
| Two | 22.0 | 27.2 | 26.4 | 16.9 | 23.2 | 6.9 |
| Three | 16.3 | 22.7 | 32.6 | 16.7 | 23.5 | 2.6 |
| Four to Nine | 18.5 | 18.9 | 23.6 | 14.0 | 16.1 | 12.3 |
| Ten or More | 43.0 | 44.4 | 43.8 | 44.0 | 44.8 | 28.6 |
| Number of Workers (main shift) | | | | | | |
| Fewer than 5 | 25.2 | 29.3 | 30.3 | 20.6 | 25.2 | 5.4 |
| 5 to 9 | 25.7 | 25.1 | 24.6 | 26.5 | 23.9 | 5.9 |
| 10 to 19 | 25.6 | 22.3 | 28.0 | 25.6 | 21.8 | 6.5 |
| 20 to 49 | 27.0 | 20.7 | 27.0 | 40.9 | 31.0 | 28.0 |
| 50 to 99 | 24.3 | 20.3 | 24.2 | 25.2 | 23.0 | 10.2 |
| 100 to 249 | 30.4 | 30.5 | 33.2 | 30.2 | 30.5 | 3.4 |
| 250 or More | 23.4 | 25.9 | 25.8 | 26.1 | 28.4 | 18.9 |
| Weekly Operating Hours | | | | | | |
| Fewer than 40 | 16.5 | 21.0 | 29.6 | 16.8 | 23.9 | 6.1 |
| 40 to 48 | 27.6 | 34.0 | 39.5 | 29.8 | 34.5 | 8.5 |
| 49 to 60 | 23.8 | 22.0 | 27.8 | 20.2 | 21.8 | 6.1 |
| 61 to 84 | 24.1 | 32.2 | 36.0 | 21.3 | 29.5 | 6.9 |
| 85 to 167 | 37.7 | 29.1 | 41.6 | 31.6 | 29.3 | 12.0 |
| Open Continuously | 20.1 | 20.4 | 23.7 | 20.5 | 19.7 | 8.4 |
| Ownership and Occupancy | | | | | | |
| Nongovernment Owned | 14.4 | 16.9 | 19.1 | 12.1 | 15.5 | 5.6 |
| Owner Occupied | 13.6 | 16.6 | 20.9 | 12.6 | 15.9 | 6.1 |
| Nonowner Occupied | 27.5 | 32.0 | 35.1 | 23.4 | 28.9 | 7.7 |
| Unoccupied | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Government Owned | 16.2 | 20.4 | 19.1 | 17.6 | 22.1 | 8.5 |
| Federal | 41.2 | 52.0 | 56.0 | 39.7 | 54.0 | 5.0 |
| State | 31.8 | 44.8 | 40.8 | 33.6 | 47.8 | 3.3 |
| Local | 25.0 | 19.6 | 23.8 | 23.7 | 17.1 | 14.0 |
| Vacancy Status | | | | | | |
| Completely Vacant | 2.9 | 8.1 | 0.0 | 2.8 | 7.9 | 0.2 |
| Mostly Vacant | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partially Vacant | 29.8 | 25.5 | 28.1 | 37.6 | 34.1 | 24.2 |
| Not At All Vacant | 13.1 | 15.2 | 15.3 | 11.7 | 14.6 | 3.9 |
| Number of Establishments | | | | | | |
| One | 14.3 | 19.2 | 18.8 | 12.6 | 18.1 | 5.0 |
| 2 to 5 | 21.9 | 19.5 | 25.2 | 18.4 | 18.7 | 9.7 |
| 6 to 10 | 52.8 | 50.3 | 48.2 | 55.1 | 56.2 | 35.5 |
| 11 to 20 | 71.1 | 49.3 | 81.5 | 68.7 | 47.4 | 2.4 |
| More than 20 | 61.9 | 63.7 | 63.8 | 50.7 | 53.0 | 33.7 |
| Currently Unoccupied | 2.9 | 8.1 | 0.0 | 2.8 | 7.9 | 0.2 |

RSEs for Table C34. Fuel Oil Consumption and Expenditure Intensities for Non-Mall Buildings, 2003

| | RSEs for Fuel Oil Consumption | | | RSEs for Fuel Oil Expenditures | | |
|---|-------------------------------|---------------------------|----------------------|---------------------------------|---------------------------|----------------------|
| | per Building (gallons) | per Square Foot (gallons) | per Worker (gallons) | per Building (thousand dollars) | per Square Foot (dollars) | per Gallon (dollars) |
| All Buildings* | 12.3 | 14.2 | 16.5 | 11.0 | 13.9 | 4.6 |
| Predominant Exterior Wall Material | | | | | | |
| Brick, Stone or Stucco | 12.4 | 12.4 | 15.2 | 11.0 | 14.3 | 8.0 |
| Concrete (Block or Poured) | 22.6 | 27.5 | 33.0 | 25.2 | 29.3 | 5.4 |
| Concrete Panels | 72.0 | 70.6 | 72.9 | 65.5 | 64.8 | 5.8 |
| Siding or Shingles | 31.3 | 32.2 | 26.8 | 25.0 | 26.2 | 6.2 |
| Metal Panels | 21.6 | 31.4 | 36.1 | 24.8 | 33.3 | 5.5 |
| Window Glass | 39.7 | 33.9 | 39.4 | 39.3 | 36.4 | 10.9 |
| Other | 78.1 | 84.7 | 89.7 | 98.8 | 85.6 | 447.0 |
| No One Major Type | 56.6 | 60.8 | 27.1 | 56.3 | 55.1 | 6.2 |
| Predominant Roof Material | | | | | | |
| Built-Up | 21.7 | 19.8 | 24.3 | 20.3 | 21.9 | 10.1 |
| Shingles (Not Wood) | 20.3 | 24.3 | 21.4 | 18.2 | 21.8 | 8.8 |
| Metal Surfacing | 36.5 | 41.5 | 50.0 | 29.6 | 35.6 | 7.5 |
| Synthetic or Rubber | 19.5 | 15.7 | 18.3 | 20.1 | 17.3 | 7.4 |
| Slate or Tile | 30.6 | 35.4 | 47.5 | 29.8 | 35.0 | 7.2 |
| Wooden Materials | 48.6 | 54.3 | 58.6 | 41.1 | 47.3 | 17.5 |
| Concrete | 18.2 | 39.0 | 42.9 | 52.2 | 51.3 | 45.3 |
| Other | 54.7 | 54.6 | 110.3 | 54.8 | 54.7 | 0.1 |
| No One Major Type | 13.3 | 51.6 | 46.5 | 12.5 | 52.5 | 6.7 |
| Renovations in Buildings Constructed Before 1980 (more than one may apply) | | | | | | |
| Any Type of Renovation | | | | | | |
| Since 1980 | 17.5 | 18.7 | 24.4 | 19.1 | 19.7 | 7.8 |
| Addition or Annex | 35.2 | 40.2 | 55.2 | 35.4 | 40.0 | 2.3 |
| Reduction In Floorspace | 45.6 | 57.3 | 56.7 | 55.2 | 73.9 | 63.4 |
| Cosmetic Improvements | 16.4 | 19.6 | 22.1 | 17.3 | 19.1 | 10.7 |
| Wall or Roof Replacement | 19.4 | 16.9 | 21.4 | 21.9 | 19.2 | 17.4 |
| Interior Wall | | | | | | |
| Re-Configuration | 19.2 | 15.9 | 20.4 | 20.2 | 17.0 | 2.6 |
| HVAC Equipment Upgrade | 14.4 | 17.0 | 21.5 | 13.6 | 18.2 | 3.1 |
| Lighting Upgrade | 13.8 | 15.8 | 20.0 | 18.6 | 17.0 | 14.8 |
| Window Replacement | 22.1 | 26.5 | 32.6 | 26.3 | 27.4 | 21.2 |
| Plumbing System Upgrade | 23.6 | 24.6 | 29.0 | 27.5 | 22.6 | 18.9 |
| Insulation Upgrade | 22.5 | 34.3 | 35.1 | 19.7 | 30.9 | 4.2 |
| Other Renovation | 73.4 | 50.6 | 58.4 | 83.2 | 53.6 | 8.3 |
| No Renovations Since 1980 | 14.0 | 17.5 | 27.2 | 15.0 | 18.1 | 2.3 |
| Building Newer than 1980 | 20.6 | 27.7 | 29.6 | 20.9 | 27.5 | 4.9 |
| Energy Sources (more than one may apply) | | | | | | |
| Electricity | 14.1 | 17.0 | 17.8 | 12.2 | 16.0 | 4.1 |
| Natural Gas | 16.6 | 14.9 | 16.9 | 15.5 | 16.7 | 6.6 |
| Fuel Oil | 12.3 | 14.2 | 16.5 | 11.0 | 13.9 | 4.6 |
| District Heat | 35.5 | 46.0 | 48.3 | 30.7 | 41.2 | 10.1 |
| District Chilled Water | 33.4 | 40.7 | 47.1 | 30.4 | 38.3 | 7.8 |
| Propane | 20.0 | 21.2 | 27.6 | 20.3 | 21.0 | 6.6 |
| Other | 54.8 | 43.8 | 37.3 | 49.9 | 39.4 | 5.3 |
| Space-Heating Energy Sources | | | | | | |
| Fuel Oil | 13.5 | 9.2 | 10.3 | 12.3 | 9.0 | 4.7 |
| Fuel Oil Main | 13.3 | 8.0 | 10.2 | 12.2 | 8.3 | 5.0 |
| Fuel Oil Secondary | 19.1 | 17.2 | 17.4 | 20.4 | 19.0 | 7.9 |
| Other Excluding Fuel Oil | 21.9 | 26.2 | 25.6 | 25.4 | 31.1 | 8.5 |
| Buildings without Heating | 69.9 | 55.9 | 54.2 | 76.4 | 59.3 | 4.7 |

RSEs for Table C34. Fuel Oil Consumption and Expenditure Intensities for Non-Mall Buildings, 2003

| | RSEs for Fuel Oil Consumption | | | RSEs for Fuel Oil Expenditures | | |
|--|-------------------------------|---------------------------|----------------------|---------------------------------|---------------------------|----------------------|
| | per Building (gallons) | per Square Foot (gallons) | per Worker (gallons) | per Building (thousand dollars) | per Square Foot (dollars) | per Gallon (dollars) |
| All Buildings* | 12.3 | 14.2 | 16.5 | 11.0 | 13.9 | 4.6 |
| Primary Space-Heating Energy Source | | | | | | |
| Electricity | 30.3 | 38.0 | 39.6 | 26.6 | 35.1 | 6.2 |
| Natural Gas | 17.5 | 19.9 | 19.9 | 19.0 | 24.1 | 10.7 |
| Fuel Oil | 13.3 | 8.0 | 10.2 | 12.2 | 8.3 | 5.0 |
| District Heat | 29.9 | 42.0 | 43.7 | 26.7 | 38.4 | 9.1 |
| Propane | 57.5 | 68.8 | 63.3 | 60.1 | 70.7 | 3.3 |
| Other | 40.4 | 34.5 | 29.3 | 35.2 | 30.0 | 13.6 |
| Cooling Energy Sources | | | | | | |
| Fuel Oil | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Other Excluding Fuel Oil | 16.6 | 20.3 | 21.2 | 15.4 | 20.0 | 4.6 |
| Buildings without Cooling | 14.0 | 21.9 | 21.4 | 21.6 | 28.4 | 11.1 |
| Water-Heating Energy Sources | | | | | | |
| Fuel Oil | 15.6 | 14.6 | 12.8 | 17.4 | 16.8 | 6.8 |
| Other Excluding Fuel Oil | 16.8 | 20.2 | 22.2 | 14.3 | 18.7 | 5.1 |
| Buildings without Water Heating | 26.5 | 47.9 | 174.9 | 27.8 | 45.5 | 5.9 |
| Cooking Energy Sources | | | | | | |
| Fuel Oil | 28.0 | 41.2 | 98.0 | 28.3 | 41.1 | 0.8 |
| Other Excluding Fuel Oil | 15.7 | 20.6 | 22.2 | 13.0 | 18.7 | 8.8 |
| Buildings without Cooking | 19.8 | 16.0 | 20.1 | 17.5 | 14.5 | 4.6 |
| Energy End Uses (more than one may apply) | | | | | | |
| Buildings with Space Heating | 12.9 | 14.3 | 16.9 | 11.6 | 13.8 | 4.6 |
| Buildings with Cooling | 16.4 | 20.2 | 21.1 | 15.3 | 19.8 | 4.6 |
| Buildings with Water Heating | 13.2 | 14.6 | 16.5 | 11.9 | 14.0 | 4.8 |
| Buildings with Cooking | 15.3 | 20.2 | 21.6 | 13.3 | 18.8 | 8.4 |
| Buildings with Manufacturing | 46.1 | 31.2 | 53.7 | 39.2 | 33.7 | 10.4 |
| Buildings with Electricity Generation | 17.1 | 19.4 | 20.8 | 17.6 | 19.9 | 4.3 |
| Percent of Floorspace Heated | | | | | | |
| Not Heated | 69.9 | 55.9 | 54.2 | 76.4 | 59.3 | 4.7 |
| 1 to 50 | 38.6 | 29.1 | 41.4 | 36.5 | 32.0 | 6.6 |
| 51 to 99 | 31.7 | 24.9 | 27.2 | 27.8 | 27.6 | 20.4 |
| 100 | 15.1 | 17.5 | 18.9 | 14.2 | 16.5 | 4.5 |
| Heating Equipment (more than one may apply) | | | | | | |
| Heat Pumps | 37.6 | 38.5 | 38.5 | 37.0 | 38.3 | 4.2 |
| Packaged Heat Pumps | 51.5 | 50.5 | 47.9 | 54.1 | 53.2 | 5.8 |
| Split-System Heat Pumps | 53.3 | 55.3 | 62.2 | 45.6 | 51.7 | 7.4 |
| Individual Room Heat Pumps | 52.4 | 54.2 | 56.5 | 51.9 | 54.6 | 4.5 |
| Furnaces | 27.8 | 23.5 | 35.8 | 24.7 | 21.4 | 3.8 |
| Individual Space Heaters | 20.1 | 23.3 | 26.0 | 21.0 | 24.2 | 3.2 |
| District Heat | 27.7 | 41.2 | 44.8 | 25.1 | 37.7 | 8.0 |
| Boilers | 10.7 | 13.3 | 14.8 | 9.7 | 13.9 | 6.9 |
| Packaged Heating Units | 36.7 | 35.1 | 35.3 | 36.9 | 35.5 | 4.2 |
| Other | 44.3 | 42.4 | 42.1 | 41.8 | 42.0 | 10.7 |

RSEs for Table C34. Fuel Oil Consumption and Expenditure Intensities for Non-Mall Buildings, 2003

| | RSEs for Fuel Oil Consumption | | | RSEs for Fuel Oil Expenditures | | |
|--|-------------------------------|---------------------------|----------------------|---------------------------------|---------------------------|----------------------|
| | per Building (gallons) | per Square Foot (gallons) | per Worker (gallons) | per Building (thousand dollars) | per Square Foot (dollars) | per Gallon (dollars) |
| All Buildings* | 12.3 | 14.2 | 16.5 | 11.0 | 13.9 | 4.6 |
| Water Heating Equipment | | | | | | |
| Centralized System | 13.7 | 14.9 | 15.6 | 11.8 | 14.6 | 6.0 |
| Distributed System | 28.0 | 24.1 | 40.7 | 24.2 | 24.1 | 6.3 |
| Combination of Centralized and Distributed System | 32.2 | 32.6 | 33.8 | 30.6 | 31.0 | 4.9 |
| Energy-Related Space Functions (more than one may apply) | | | | | | |
| Commercial Food Preparation | 15.3 | 20.2 | 21.6 | 13.3 | 18.8 | 8.4 |
| Activities with Large Amounts of Hot Water | 14.6 | 20.0 | 22.3 | 11.2 | 18.6 | 10.1 |
| Separate Computer Area | 13.3 | 17.4 | 18.4 | 12.4 | 17.1 | 9.5 |
| HVAC Conservation Features (more than one may apply) | | | | | | |
| Variable Air-Volume System | 22.4 | 22.7 | 24.3 | 16.3 | 21.1 | 14.4 |
| Economizer Cycle | 15.9 | 19.7 | 20.3 | 14.7 | 19.9 | 5.7 |
| HVAC Maintenance | 11.4 | 15.1 | 17.6 | 10.6 | 15.2 | 5.3 |
| Energy Management and Control System (EMCS) | 19.7 | 22.3 | 23.6 | 18.9 | 21.5 | 4.9 |
| Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^a | | | | | | |
| Heating | 17.0 | 19.3 | 20.8 | 14.9 | 17.5 | 4.5 |
| Cooling | 19.3 | 22.8 | 24.0 | 17.6 | 21.9 | 4.7 |
| Lighting | 17.6 | 17.5 | 20.8 | 15.3 | 16.3 | 5.8 |
| Office Equipment | 19.3 | 22.9 | 23.6 | 16.1 | 22.1 | 7.5 |
| Annual Consumption (gallons) | | | | | | |
| 1,000 or Less | 9.3 | 18.1 | 19.6 | 9.8 | 17.7 | 5.2 |
| 1,001 to 5,000 | 9.9 | 22.8 | 28.1 | 9.3 | 22.6 | 3.3 |
| 5,001 to 10,000 | 7.5 | 25.1 | 29.3 | 15.5 | 35.8 | 23.9 |
| 10,001 to 25,000 | 3.8 | 32.6 | 38.9 | 10.3 | 28.9 | 9.5 |
| Over 25,000 | 13.4 | 6.6 | 18.1 | 13.2 | 10.1 | 7.2 |

X=No cases in the responding sample reported their consumption for the particular fuel, so relative standard error could not be calculated.

RSEs for Table C35. Fuel Oil Consumption and Conditional Energy Intensity by Census Region for Non-Mall Buildings, 2003

| | RSEs for Total Fuel Oil Consumption | | | | RSEs for Total Floorspace of Buildings Using Fuel Oil | | | | RSEs for Fuel Oil Energy Intensity | | | |
|--|-------------------------------------|----------|-------|------|---|----------|-------|------|------------------------------------|----------|-------|-------|
| | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west | South | West |
| All Buildings* | 21.1 | 47.0 | 40.4 | 44.5 | 16.5 | 12.9 | 18.2 | 15.8 | 11.5 | 42.2 | 36.9 | 54.3 |
| Building Floorspace (Square Feet) | | | | | | | | | | | | |
| 1,001 to 10,000 | 32.8 | 72.4 | 54.2 | 65.9 | 22.9 | 47.9 | 30.7 | 67.7 | 24.2 | 83.4 | 27.2 | 45.7 |
| 10,001 to 100,000 | 21.0 | 44.9 | 64.3 | 68.9 | 22.4 | 24.5 | 18.7 | 18.0 | 10.6 | 44.2 | 52.4 | 52.5 |
| Over 100,000 | 25.4 | 27.5 | 33.0 | 64.0 | 22.2 | 14.5 | 22.9 | 19.8 | 18.9 | 29.7 | 31.9 | 62.5 |
| Principal Building Activity | | | | | | | | | | | | |
| Education | 28.6 | 75.0 | 67.7 | 86.6 | 24.5 | 36.5 | 39.6 | 70.0 | 12.0 | 73.6 | 33.3 | 188.9 |
| Health Care | 55.5 | 59.2 | 25.8 | 40.0 | 27.6 | 23.1 | 26.5 | 19.0 | 53.2 | 57.4 | 32.6 | 44.6 |
| Office | 42.8 | 45.8 | 27.0 | 47.1 | 22.5 | 19.2 | 38.6 | 39.4 | 45.6 | 45.2 | 36.2 | 21.7 |
| All Others | 24.1 | 57.5 | 49.9 | 45.2 | 20.2 | 17.9 | 20.2 | 27.3 | 11.4 | 52.5 | 48.2 | 65.4 |
| Year Constructed | | | | | | | | | | | | |
| 1945 or Before | 22.6 | 83.3 | 80.7 | 77.1 | 23.8 | 33.2 | 52.6 | 20.3 | 20.4 | 75.1 | 78.7 | 79.9 |
| 1946 to 1959 | 42.7 | 80.3 | 35.3 | 69.7 | 35.3 | 38.1 | 25.0 | 45.5 | 48.9 | 75.8 | 53.6 | 63.8 |
| 1960 to 1969 | 71.4 | 58.1 | 74.4 | 76.5 | 39.1 | 28.3 | 24.7 | 32.1 | 37.3 | 60.7 | 56.3 | 66.1 |
| 1970 to 1979 | 33.1 | 60.7 | 24.5 | 39.0 | 28.1 | 29.4 | 27.3 | 42.9 | 22.8 | 61.5 | 37.3 | 55.2 |
| 1980 to 1989 | 34.4 | 72.8 | 51.3 | 39.4 | 33.2 | 31.5 | 29.4 | 24.0 | 38.5 | 74.8 | 51.1 | 48.0 |
| 1990 to 2003 | 53.0 | 34.9 | 58.1 | 49.6 | 27.3 | 19.9 | 23.6 | 30.2 | 46.2 | 38.4 | 51.3 | 56.9 |
| Climate Zone: 30-Year Average | | | | | | | | | | | | |
| Under 2,000 CDD and -- | | | | | | | | | | | | |
| More than 7,000 HDD | 42.9 | 56.8 | 0.0 | 63.3 | 40.0 | 27.7 | 0.0 | 38.0 | 12.4 | 40.6 | 0.0 | 76.4 |
| 5,500-7,000 HDD | 24.9 | 16.4 | 0.0 | 67.5 | 24.3 | 14.4 | 0.0 | 46.5 | 11.0 | 27.1 | 0.0 | 144.7 |
| 4,000-5,499 HDD | 51.4 | 79.4 | 65.1 | 95.0 | 36.6 | 21.1 | 42.9 | 35.6 | 32.1 | 69.7 | 52.6 | 66.7 |
| Fewer than 4,000 HDD | 0.0 | 0.0 | 31.2 | 78.8 | 0.0 | 0.0 | 14.2 | 23.3 | 0.0 | 0.0 | 23.7 | 77.7 |
| 2,000 CDD or More and -- | | | | | | | | | | | | |
| Fewer than 4,000 HDD | 0.0 | 0.0 | 29.3 | 65.1 | 0.0 | 0.0 | 32.3 | 63.2 | 0.0 | 0.0 | 17.5 | 53.1 |
| Number of Floors | | | | | | | | | | | | |
| One | 40.5 | 41.7 | 74.2 | 86.6 | 29.7 | 20.6 | 30.2 | 29.8 | 34.9 | 35.8 | 54.0 | 70.0 |
| Two | 26.1 | 76.8 | 67.1 | 40.2 | 24.1 | 30.2 | 22.4 | 42.6 | 13.5 | 84.7 | 84.9 | 44.3 |
| Three | 20.3 | 69.1 | 46.3 | 78.0 | 32.9 | 29.3 | 46.3 | 58.7 | 24.4 | 47.2 | 79.9 | 63.2 |
| Four to Nine | 38.6 | 56.5 | 44.2 | 61.9 | 34.2 | 18.2 | 19.6 | 27.1 | 15.7 | 57.6 | 36.7 | 58.7 |
| Ten or More | 50.1 | 19.3 | 40.4 | 38.0 | 32.1 | 31.7 | 36.7 | 34.1 | 65.8 | 36.6 | 31.4 | 21.0 |
| Number of Workers (main shift) | | | | | | | | | | | | |
| Less than 10 | 31.8 | 65.1 | 49.7 | 73.9 | 26.0 | 40.5 | 35.1 | 58.3 | 25.6 | 79.5 | 33.5 | 91.3 |
| 10 to 99 | 16.6 | 43.8 | 63.3 | 58.4 | 24.2 | 22.9 | 20.6 | 17.3 | 14.8 | 48.1 | 79.4 | 58.4 |
| 100 or More | 29.0 | 39.5 | 30.0 | 64.8 | 22.9 | 15.6 | 25.4 | 19.6 | 29.8 | 38.4 | 28.7 | 63.9 |
| Weekly Operating Hours | | | | | | | | | | | | |
| 48 or fewer | 37.0 | 58.2 | 55.1 | 75.7 | 20.8 | 24.0 | 38.6 | 40.1 | 23.8 | 64.7 | 45.0 | 48.6 |
| 49 to 84 | 20.7 | 67.6 | 51.0 | 24.8 | 22.7 | 23.3 | 26.0 | 34.1 | 16.8 | 68.8 | 53.4 | 44.6 |
| 85 to 168 | 26.3 | 26.7 | 38.1 | 45.9 | 26.4 | 13.4 | 18.2 | 19.1 | 18.1 | 31.4 | 31.1 | 55.9 |
| Ownership and Occupancy | | | | | | | | | | | | |
| Nongovernment Owned | 22.1 | 55.5 | 28.1 | 48.0 | 18.6 | 15.7 | 18.9 | 19.4 | 12.9 | 61.5 | 28.2 | 47.4 |
| Owner Occupied | 25.2 | 30.3 | 34.5 | 28.8 | 23.2 | 15.5 | 25.1 | 23.2 | 14.1 | 32.9 | 32.2 | 31.6 |
| Nonowner Occupied | 30.1 | 74.9 | 42.0 | 72.0 | 20.4 | 23.2 | 21.3 | 32.9 | 34.5 | 78.8 | 42.5 | 76.3 |
| Unoccupied | 93.8 | 0.0 | 0.0 | 0.0 | 93.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Government Owned | 25.0 | 48.0 | 64.4 | 78.2 | 18.0 | 25.8 | 28.6 | 35.5 | 22.1 | 49.8 | 54.6 | 62.2 |
| Federal | 64.0 | 100.2 | 54.9 | 93.1 | 54.7 | 89.0 | 81.1 | 62.1 | 16.8 | 99.9 | 50.8 | 26.1 |
| State | 44.1 | 88.3 | 67.9 | 99.2 | 35.6 | 53.2 | 47.2 | 56.8 | 71.1 | 94.9 | 35.3 | 127.0 |
| Local | 22.3 | 65.0 | 56.8 | 94.3 | 18.0 | 24.2 | 41.7 | 43.1 | 21.4 | 58.3 | 61.1 | 95.6 |

RSEs for Table C35. Fuel Oil Consumption and Conditional Energy Intensity by Census Region for Non-Mall Buildings, 2003

| | RSEs for Total Fuel Oil Consumption | | | | RSEs for Total Floorspace of Buildings Using Fuel Oil | | | | RSEs for Fuel Oil Energy Intensity | | | | |
|---|-------------------------------------|----------|-------|-------|---|----------|-------|-------|------------------------------------|----------|-------|-------|------|
| | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west | South | West | |
| All Buildings* | 21.1 | 47.0 | 40.4 | 44.5 | 16.5 | 12.9 | 18.2 | 15.8 | 11.5 | 42.2 | 36.9 | 54.3 | |
| Vacancy Status | | | | | | | | | | | | | |
| Completely Vacant | 99.0 | 0.0 | 0.0 | 0.0 | 94.5 | 0.0 | 0.0 | 0.0 | 8.1 | 0.0 | 0.0 | 0.0 | |
| Mostly Vacant | 100.1 | 0.0 | 0.0 | 0.0 | 100.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Partially Vacant | 27.4 | 78.5 | 44.5 | 65.6 | 27.9 | 18.6 | 33.0 | 38.0 | 26.7 | 79.2 | 44.3 | 78.4 | |
| Not At All Vacant | 21.9 | 47.7 | 41.0 | 47.3 | 16.2 | 15.2 | 15.8 | 17.5 | 16.5 | 39.6 | 33.9 | 61.0 | |
| Number of Establishments | | | | | | | | | | | | | |
| One | 26.0 | 51.4 | 48.6 | 60.5 | 18.4 | 12.9 | 19.2 | 20.0 | 17.4 | 49.7 | 46.9 | 80.8 | |
| 2 to 5 | 26.2 | 74.5 | 33.3 | 79.8 | 27.0 | 29.6 | 13.4 | 37.9 | 30.8 | 69.1 | 25.4 | 63.3 | |
| 6 to 10 | 63.6 | 82.7 | 55.8 | 100.4 | 48.3 | 44.3 | 40.5 | 52.3 | 69.6 | 88.0 | 18.2 | 116.1 | |
| 11 to 20 | 98.3 | 52.4 | 96.5 | 65.1 | 55.4 | 41.9 | 47.7 | 53.3 | 39.7 | 44.5 | 73.1 | 30.9 | |
| More than 20 | 81.7 | 70.9 | 82.5 | 52.7 | 47.3 | 33.5 | 39.3 | 45.2 | 86.6 | 69.6 | 83.0 | 25.1 | |
| Currently Unoccupied | 99.0 | 0.0 | 0.0 | 0.0 | 94.5 | 0.0 | 0.0 | 0.0 | 8.1 | 0.0 | 0.0 | 0.0 | |
| Predominant Exterior Wall Material | | | | | | | | | | | | | |
| Brick, Stone or Stucco | 18.3 | 35.6 | 40.8 | 59.6 | 22.6 | 15.2 | 21.1 | 25.1 | 15.6 | 36.5 | 36.1 | 51.9 | |
| Concrete (Block or Poured) | 45.9 | 42.3 | 59.0 | 53.2 | 31.7 | 26.0 | 19.9 | 33.6 | 41.0 | 46.4 | 57.8 | 53.0 | |
| Concrete Panels | 93.6 | 49.0 | 45.3 | 60.2 | 45.9 | 29.6 | 35.4 | 48.4 | 92.8 | 58.0 | 45.9 | 73.0 | |
| Siding or Shingles | 49.4 | 89.2 | 73.6 | 100.3 | 23.0 | 40.9 | 58.7 | 100.2 | 33.4 | 61.6 | 85.3 | . | |
| Metal Panels | 37.4 | 76.7 | 58.8 | 69.9 | 52.1 | 46.7 | 44.1 | 28.4 | 47.5 | 77.6 | 128.9 | 60.4 | |
| Window Glass | 42.9 | 63.4 | 92.9 | 71.6 | 29.8 | 49.7 | 59.9 | 59.9 | 38.9 | 73.0 | 37.6 | 60.2 | |
| Other | 85.9 | 56.8 | 90.0 | 74.3 | 51.2 | 50.3 | 90.0 | 83.0 | 84.0 | 23.8 | 0.0 | 60.9 | |
| No One Major Type | 0.0 | 97.2 | X | 95.2 | 0.0 | 44.6 | X | 71.3 | 0.0 | 46.3 | X | 64.4 | |
| Predominant Roof Material | | | | | | | | | | | | | |
| Built-Up | 25.3 | 34.3 | 45.5 | 66.4 | 21.4 | 19.6 | 24.9 | 21.4 | 25.9 | 36.5 | 42.0 | 97.3 | |
| Shingles (Not Wood) | 27.9 | 43.0 | 63.4 | 71.1 | 18.8 | 26.5 | 45.3 | 46.6 | 22.8 | 49.1 | 58.7 | 71.4 | |
| Metal Surfacing | 46.0 | 83.3 | 56.3 | 76.3 | 46.4 | 41.1 | 28.1 | 41.2 | 39.4 | 81.7 | 73.9 | 54.1 | |
| Synthetic or Rubber | 25.6 | 47.8 | 55.4 | 54.5 | 26.8 | 14.5 | 18.8 | 28.3 | 12.3 | 44.7 | 51.2 | 59.4 | |
| Slate or Tile | 53.0 | 78.5 | 32.1 | 100.4 | 57.9 | 53.6 | 68.1 | 69.2 | 16.4 | 85.2 | 45.7 | 101.8 | |
| Wooden Materials | 68.2 | 101.1 | 30.2 | 0.0 | 67.4 | 101.1 | 29.6 | 0.0 | 11.3 | . | 16.1 | 0.0 | |
| Concrete | X | 98.6 | 80.0 | 57.9 | 100.2 | 98.6 | 76.6 | 43.4 | X | 0.0 | 5.6 | 39.2 | |
| Other | 100.9 | 101.0 | 100.2 | 100.3 | 100.9 | 73.3 | 100.2 | 100.3 | 0.0 | 78.8 | . | . | |
| No One Major Type | 70.8 | 77.2 | 98.6 | X | 60.9 | 84.0 | 98.6 | X | 29.6 | 14.1 | 0.0 | X | |
| Renovations in Buildings Constructed Before 1980 (more than one may apply) | | | | | | | | | | | | | |
| Any Type of Renovation | 29.4 | 64.0 | 38.8 | 48.1 | 22.4 | 16.3 | 21.8 | 28.7 | 14.0 | 65.7 | 37.7 | 48.1 | |
| Since 1980 | 71.3 | 52.6 | 40.6 | 75.6 | 59.0 | 24.4 | 26.6 | 34.6 | 13.3 | 47.7 | 40.3 | 96.8 | |
| Addition or Annex | 57.3 | 64.5 | 73.7 | 87.4 | 51.6 | 68.9 | 75.2 | 71.0 | 40.6 | 21.2 | 71.6 | 73.0 | |
| Reduction In Floorspace | 18.5 | 78.3 | 42.1 | 63.6 | 22.4 | 18.9 | 24.3 | 30.3 | 13.5 | 85.0 | 36.6 | 55.6 | |
| Cosmetic Improvements | 17.5 | 42.9 | 28.0 | 53.4 | 23.5 | 22.0 | 32.7 | 40.6 | 18.5 | 44.9 | 39.0 | 66.3 | |
| Wall or Roof Replacement | Re-Configuration | 15.0 | 62.4 | 50.0 | 68.3 | 20.7 | 19.6 | 31.9 | 30.5 | 18.8 | 62.4 | 45.3 | 67.9 |
| Plumbing System Upgrade | HVAC Equipment Upgrade | 21.5 | 51.3 | 41.4 | 54.8 | 22.2 | 23.4 | 23.0 | 28.4 | 19.6 | 54.6 | 37.3 | 53.1 |
| Lighting Upgrade | 19.2 | 58.8 | 46.7 | 54.8 | 19.3 | 23.3 | 34.7 | 28.6 | 9.4 | 60.1 | 49.4 | 53.0 | |
| Window Replacement | 35.8 | 21.9 | 83.3 | 93.0 | 27.8 | 12.8 | 36.3 | 38.4 | 28.8 | 22.3 | 56.1 | 89.3 | |
| Insulation Upgrade | 29.1 | 60.8 | 29.7 | 44.5 | 27.4 | 28.7 | 37.7 | 38.1 | 24.9 | 65.4 | 40.6 | 56.5 | |
| Other Renovation | 42.7 | 52.5 | 58.2 | 78.1 | 26.0 | 31.8 | 53.1 | 47.0 | 23.1 | 48.5 | 57.0 | 77.2 | |
| No Renovations Since 1980 | 86.5 | 101.8 | 100.3 | 75.0 | 88.4 | 101.8 | 100.3 | 64.7 | 583.5 | 0.0 | . | 31.7 | |
| Building Newer than 1980 | 22.6 | 61.7 | 57.6 | 86.3 | 18.8 | 28.1 | 34.4 | 43.5 | 18.2 | 57.9 | 60.8 | 94.3 | |

RSEs for Table C35. Fuel Oil Consumption and Conditional Energy Intensity by Census Region for Non-Mall Buildings, 2003

| | RSEs for Total Fuel Oil Consumption | | | | RSEs for Total Floorspace of Buildings Using Fuel Oil | | | | RSEs for Fuel Oil Energy Intensity | | | |
|--|-------------------------------------|----------|-------|-------|---|----------|-------|-------|------------------------------------|----------|-------|-------|
| | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west | South | West |
| All Buildings* | 21.1 | 47.0 | 40.4 | 44.5 | 16.5 | 12.9 | 18.2 | 15.8 | 11.5 | 42.2 | 36.9 | 54.3 |
| Energy Sources (more than one may apply) | | | | | | | | | | | | |
| Electricity | 23.8 | 49.2 | 40.9 | 35.2 | 17.9 | 12.8 | 19.9 | 18.3 | 18.4 | 42.1 | 35.3 | 43.7 |
| Natural Gas | 20.1 | 23.3 | 27.3 | 53.4 | 16.2 | 13.7 | 24.6 | 19.7 | 12.5 | 28.8 | 25.3 | 51.1 |
| Fuel Oil | 21.1 | 47.0 | 40.4 | 44.5 | 16.5 | 12.9 | 18.2 | 15.8 | 11.5 | 42.2 | 36.9 | 54.3 |
| District Heat | 73.3 | 92.6 | 31.0 | 93.3 | 36.5 | 44.7 | 45.6 | 68.1 | 58.4 | 97.5 | 53.7 | 203.4 |
| District Chilled Water | 71.0 | 93.2 | 43.1 | 95.7 | 42.5 | 48.3 | 51.4 | 70.9 | 64.7 | 98.8 | 58.2 | 104.7 |
| Propane | 39.2 | 68.8 | 86.6 | 78.2 | 35.8 | 34.2 | 41.7 | 29.5 | 9.7 | 80.5 | 106.6 | 70.2 |
| Other | 71.5 | 60.0 | 33.2 | 80.6 | 52.2 | 36.1 | 36.3 | 55.9 | 24.1 | 43.3 | 43.3 | 70.4 |
| Space-Heating Energy Sources | | | | | | | | | | | | |
| Fuel Oil | 21.2 | 49.3 | 41.9 | 57.1 | 20.8 | 23.4 | 24.2 | 16.2 | 6.1 | 52.2 | 29.2 | 39.9 |
| Fuel Oil Main | 22.1 | 60.8 | 45.5 | 73.4 | 24.0 | 28.3 | 40.9 | 55.6 | 5.3 | 68.6 | 6.9 | 30.9 |
| Fuel Oil Secondary | 36.7 | 39.8 | 38.3 | 34.6 | 21.0 | 26.5 | 24.6 | 20.0 | 25.5 | 29.3 | 32.5 | 28.9 |
| Other Excluding Fuel Oil | 63.1 | 49.4 | 41.6 | 31.2 | 22.2 | 15.4 | 20.9 | 18.2 | 59.5 | 47.2 | 43.3 | 34.6 |
| Buildings without Heating | 77.5 | 0.0 | 46.3 | 96.9 | 79.0 | 0.0 | 26.0 | 73.3 | 265.3 | 0.0 | 56.1 | 65.5 |
| Primary Space-Heating Energy Source | | | | | | | | | | | | |
| Electricity | 52.2 | 78.0 | 27.1 | 53.6 | 29.1 | 26.7 | 27.1 | 25.0 | 58.2 | 73.9 | 31.2 | 45.7 |
| Natural Gas | 38.2 | 24.2 | 40.8 | 54.1 | 23.7 | 17.1 | 22.3 | 22.6 | 35.7 | 29.4 | 30.9 | 47.2 |
| Fuel Oil | 22.1 | 60.8 | 45.5 | 73.4 | 24.0 | 28.3 | 40.9 | 55.6 | 5.3 | 68.6 | 6.9 | 30.9 |
| District Heat | 67.2 | 88.0 | 33.9 | 94.7 | 38.0 | 45.5 | 47.1 | 51.9 | 59.4 | 92.7 | 56.5 | 122.6 |
| Propane | 96.5 | 97.7 | 85.5 | 80.4 | 76.3 | 98.0 | 65.8 | 81.0 | 246.7 | 3.3 | 27.3 | 0.9 |
| Other | 100.1 | 68.5 | 41.3 | 97.0 | 100.1 | 64.5 | 61.5 | 76.3 | 0.0 | 8.0 | 86.1 | 97.3 |
| Cooling Energy Sources | | | | | | | | | | | | |
| Fuel Oil | 100.8 | 0.0 | 0.0 | 0.0 | 100.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Other Excluding Fuel Oil | 28.8 | 48.7 | 40.7 | 41.0 | 17.9 | 12.5 | 18.5 | 16.8 | 22.5 | 43.8 | 37.5 | 41.0 |
| Buildings without Cooling | 16.4 | 67.3 | 61.5 | 85.4 | 26.7 | 52.8 | 60.0 | 51.9 | 24.0 | 38.9 | 78.4 | 46.2 |
| Water-Heating Energy Sources | | | | | | | | | | | | |
| Fuel Oil | 24.6 | 61.0 | 68.0 | 64.2 | 18.6 | 42.2 | 52.1 | 65.9 | 14.9 | 56.2 | 16.9 | 15.0 |
| Other Excluding Fuel Oil | 28.1 | 58.8 | 29.4 | 26.8 | 18.5 | 12.9 | 19.4 | 17.1 | 20.4 | 53.5 | 29.1 | 27.4 |
| Buildings without Water Heating | 39.2 | 53.3 | 73.9 | 91.0 | 50.6 | 51.0 | 55.4 | 62.8 | 100.1 | 26.6 | 71.2 | 39.7 |
| Cooking Energy Sources | | | | | | | | | | | | |
| Fuel Oil | 77.9 | 99.9 | 99.2 | 100.3 | 79.1 | 99.9 | 70.5 | 100.3 | 2.5 | 0.0 | 139.1 | . |
| Other Excluding Fuel Oil | 28.2 | 40.1 | 45.1 | 63.5 | 19.5 | 15.0 | 24.4 | 23.2 | 21.3 | 40.8 | 39.9 | 61.9 |
| Buildings without Cooking | 23.2 | 61.8 | 40.3 | 63.2 | 20.3 | 20.7 | 14.9 | 17.7 | 14.2 | 56.4 | 40.9 | 62.0 |
| Energy End Uses (more than one may apply) | | | | | | | | | | | | |
| Buildings with Space Heating | 21.1 | 47.0 | 40.5 | 50.9 | 16.2 | 12.9 | 18.6 | 16.1 | 11.3 | 42.2 | 37.0 | 62.7 |
| Buildings with Cooling | 28.4 | 48.7 | 40.7 | 41.0 | 17.8 | 12.5 | 18.5 | 16.8 | 22.2 | 43.8 | 37.5 | 41.0 |
| Buildings with Water Heating | 20.8 | 51.0 | 40.9 | 34.1 | 17.0 | 12.4 | 18.8 | 16.5 | 11.7 | 46.4 | 38.2 | 40.8 |
| Buildings with Cooking | 27.5 | 40.0 | 44.2 | 63.5 | 19.3 | 15.1 | 24.1 | 22.7 | 20.5 | 40.7 | 39.5 | 61.8 |
| Buildings with Manufacturing | 45.2 | 100.7 | 58.4 | 94.3 | 42.3 | 65.0 | 52.5 | 79.9 | 29.9 | 77.8 | 84.0 | 26.3 |
| Buildings with Electricity Generation | 24.8 | 55.7 | 27.7 | 31.8 | 16.8 | 15.0 | 18.6 | 18.0 | 25.8 | 55.2 | 30.7 | 28.8 |

RSEs for Table C35. Fuel Oil Consumption and Conditional Energy Intensity by Census Region for Non-Mall Buildings, 2003

| | RSEs for Total Fuel Oil Consumption | | | | RSEs for Total Floorspace of Buildings Using Fuel Oil | | | | RSEs for Fuel Oil Energy Intensity | | | |
|--|-------------------------------------|----------|-------|------|---|----------|-------|------|------------------------------------|----------|-------|-------|
| | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west | South | West |
| All Buildings* | 21.1 | 47.0 | 40.4 | 44.5 | 16.5 | 12.9 | 18.2 | 15.8 | 11.5 | 42.2 | 36.9 | 54.3 |
| Percent of Floorspace Heated | | | | | | | | | | | | |
| Not Heated | 77.5 | 0.0 | 46.3 | 96.9 | 79.0 | 0.0 | 26.0 | 73.3 | 265.3 | 0.0 | 56.1 | 65.5 |
| 1 to 50 | 42.6 | 60.5 | 81.3 | 55.6 | 45.6 | 56.5 | 67.6 | 42.4 | 26.1 | 14.9 | 84.2 | 66.1 |
| 51 to 99 | 27.4 | 94.2 | 18.0 | 90.1 | 21.0 | 30.4 | 43.3 | 21.4 | 27.8 | 97.5 | 26.2 | 92.2 |
| 100 | 23.1 | 52.7 | 49.9 | 58.6 | 16.3 | 14.4 | 19.8 | 21.3 | 19.8 | 45.4 | 43.3 | 82.7 |
| Heating Equipment (more than one may apply) | | | | | | | | | | | | |
| Heat Pumps | 59.9 | 26.8 | 30.2 | 86.5 | 36.2 | 25.1 | 26.0 | 36.1 | 36.7 | 32.6 | 45.9 | 94.1 |
| Packaged Heat Pumps | 100.0 | 27.1 | 49.6 | 45.8 | 60.3 | 27.3 | 46.0 | 41.7 | 102.5 | 34.0 | 52.5 | 21.3 |
| Split-System Heat Pumps | X | 91.0 | 81.5 | 75.2 | X | 52.8 | 48.3 | 49.1 | X | 71.0 | 58.8 | 51.4 |
| Individual Room Heat Pumps | 72.6 | 90.8 | 37.8 | 97.7 | 39.1 | 60.4 | 39.4 | 47.9 | 64.4 | 82.6 | 20.3 | 103.5 |
| Furnaces | 36.9 | 46.1 | 56.7 | 31.9 | 30.4 | 16.3 | 32.2 | 47.0 | 13.6 | 46.6 | 81.7 | 38.4 |
| Individual Space Heaters | 31.2 | 54.1 | 37.0 | 41.0 | 30.0 | 21.5 | 31.4 | 32.1 | 30.4 | 52.6 | 33.9 | 25.1 |
| District Heat | 73.8 | 88.0 | 31.6 | 93.3 | 37.9 | 45.5 | 47.0 | 68.1 | 58.6 | 92.7 | 54.9 | 203.4 |
| Boilers | 16.8 | 60.9 | 42.4 | 56.9 | 17.8 | 16.3 | 20.6 | 18.3 | 9.7 | 65.6 | 28.3 | 71.4 |
| Packaged Heating Units | 48.1 | 31.3 | 54.9 | 59.3 | 28.1 | 18.6 | 23.2 | 15.9 | 44.4 | 33.2 | 55.8 | 60.2 |
| Other | 62.3 | 60.2 | 49.7 | 89.9 | 29.9 | 35.0 | 34.0 | 63.9 | 49.3 | 52.7 | 62.1 | 169.1 |
| Water Heating Equipment | | | | | | | | | | | | |
| Centralized System | 19.4 | 62.5 | 55.1 | 52.4 | 19.4 | 14.2 | 23.0 | 22.6 | 15.2 | 51.7 | 52.0 | 50.6 |
| Distributed System | 45.0 | 59.0 | 55.7 | 70.3 | 43.3 | 47.1 | 35.3 | 42.7 | 23.1 | 68.0 | 36.2 | 77.5 |
| Combination of Centralized and Distributed System | 44.3 | 52.7 | 25.2 | 21.9 | 27.6 | 20.4 | 20.4 | 29.6 | 48.5 | 54.9 | 29.1 | 35.0 |
| Energy-Related Space Functions (more than one may apply) | | | | | | | | | | | | |
| Commercial Food Preparation | 27.5 | 40.0 | 44.2 | 63.5 | 19.3 | 15.1 | 24.1 | 22.7 | 20.5 | 40.7 | 39.5 | 61.8 |
| Activities with Large Amounts of Hot Water | 28.7 | 33.7 | 48.8 | 50.0 | 23.9 | 17.0 | 23.1 | 23.9 | 19.7 | 36.9 | 43.9 | 64.9 |
| Separate Computer Area | 22.2 | 39.4 | 38.3 | 46.1 | 19.2 | 15.0 | 24.2 | 19.0 | 20.8 | 39.1 | 37.6 | 56.2 |
| HVAC Conservation Features (more than one may apply) | | | | | | | | | | | | |
| Variable Air-Volume System | 34.2 | 41.4 | 32.1 | 38.3 | 22.7 | 14.2 | 24.2 | 20.2 | 29.3 | 42.6 | 34.0 | 43.6 |
| Economizer Cycle | 25.9 | 38.6 | 35.1 | 32.1 | 20.5 | 15.9 | 24.8 | 19.2 | 22.4 | 39.1 | 30.1 | 36.0 |
| HVAC Maintenance | 21.6 | 38.2 | 41.1 | 46.3 | 16.9 | 12.7 | 19.6 | 15.9 | 12.0 | 38.2 | 38.1 | 56.5 |
| Energy Management and Control System (EMCS) | 28.0 | 25.0 | 37.5 | 76.4 | 21.5 | 15.5 | 27.8 | 28.1 | 30.6 | 22.1 | 34.0 | 78.8 |
| Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^a | | | | | | | | | | | | |
| Heating | 24.3 | 28.2 | 43.2 | 57.6 | 14.6 | 11.1 | 24.2 | 23.0 | 19.0 | 29.6 | 41.5 | 74.9 |
| Cooling | 28.4 | 30.3 | 43.5 | 62.0 | 16.2 | 13.8 | 23.3 | 18.4 | 23.4 | 30.9 | 41.8 | 61.3 |
| Lighting | 26.2 | 57.8 | 51.6 | 64.3 | 19.6 | 16.6 | 22.8 | 28.4 | 11.3 | 54.0 | 50.5 | 68.6 |
| Office Equipment | 25.6 | 84.4 | 86.4 | 83.5 | 19.6 | 29.2 | 28.8 | 45.1 | 22.8 | 91.1 | 61.7 | 98.9 |

RSEs for Table C35. Fuel Oil Consumption and Conditional Energy Intensity by Census Region for Non-Mall Buildings, 2003

| | RSEs for Total Fuel Oil Consumption | | | | RSEs for Total Floorspace of Buildings Using Fuel Oil | | | | RSEs for Fuel Oil Energy Intensity | | | |
|---|---|--------------|-------|------|---|--------------|-------|------|--|--------------|-------|-------|
| | North- east | Mid- west | South | West | North- east | Mid- west | South | West | North- east | Mid- west | South | West |
| All Buildings* | 21.1 | 47.0 | 40.4 | 44.5 | 16.5 | 12.9 | 18.2 | 15.8 | 11.5 | 42.2 | 36.9 | 54.3 |
| Annual Consumption (gallons) | | | | | | | | | | | | |
| 1,000 or Less | 24.2 | 46.4 | 35.5 | 20.8 | 18.2 | 14.6 | 17.7 | 17.3 | 24.8 | 44.9 | 40.3 | 29.1 |
| 1,001 to 5,000 | 31.5 | 52.8 | 78.0 | 66.4 | 27.7 | 29.1 | 43.7 | 48.8 | 19.9 | 43.6 | 66.2 | 104.4 |
| 5,001 to 10,000 | 24.0 | 13.6 | 56.3 | 93.5 | 19.7 | 39.2 | 38.6 | 77.7 | 28.4 | 21.9 | 47.0 | 29.8 |
| 10,001 to 25,000 | 27.9 | 81.3 | 36.2 | 69.2 | 27.6 | 37.1 | 39.8 | 33.9 | 21.5 | 70.6 | 19.9 | 50.9 |
| Over 25,000 | 37.9 | 60.3 | 41.5 | 56.0 | 40.7 | 30.6 | 35.6 | 48.6 | 5.3 | 48.3 | 20.6 | 20.9 |

X=No cases in the responding sample reported their consumption for the particular fuel, so relative standard error could not be calculated.

RSEs for Table C36. Fuel Oil Expenditures by Census Region for Non-Mall Buildings, 2003

| | RSEs for Total Fuel Oil Expenditures | | | | RSEs for Fuel Oil Expenditures | | | | | | | |
|--|--------------------------------------|----------|-------|------|--------------------------------|----------|-------|------|-----------------|----------|-------|-------|
| | | | | | per Gallon | | | | per Square Foot | | | |
| | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west | South | West |
| All Buildings* | 20.4 | 41.3 | 39.7 | 48.3 | 5.6 | 6.7 | 2.3 | 3.6 | 12.4 | 36.5 | 36.6 | 58.4 |
| Building Floorspace (Square Feet) | | | | | | | | | | | | |
| 1,001 to 10,000 | 28.8 | 64.8 | 50.7 | 64.6 | 5.1 | 5.8 | 6.2 | 5.9 | 19.3 | 75.1 | 23.6 | 47.7 |
| 10,001 to 100,000 | 19.2 | 49.1 | 63.3 | 72.6 | 9.6 | 14.2 | 17.7 | 3.6 | 8.3 | 45.4 | 53.6 | 55.6 |
| Over 100,000 | 24.7 | 24.3 | 31.1 | 68.3 | 15.8 | 7.8 | 9.0 | 4.9 | 24.3 | 26.4 | 31.4 | 67.0 |
| Principal Building Activity | | | | | | | | | | | | |
| Education | 27.4 | 72.7 | 70.5 | 88.1 | 14.5 | 10.9 | 15.7 | 2.0 | 17.6 | 70.5 | 31.0 | 194.2 |
| Health Care | 54.0 | 52.9 | 25.5 | 40.3 | 4.1 | 16.1 | 6.3 | 9.7 | 51.0 | 50.5 | 32.3 | 43.9 |
| Office | 43.9 | 49.0 | 27.5 | 60.5 | 18.7 | 13.8 | 2.7 | 27.2 | 42.6 | 47.2 | 37.8 | 42.0 |
| All Others | 22.4 | 52.0 | 47.2 | 47.9 | 3.7 | 6.5 | 11.3 | 3.9 | 11.2 | 46.7 | 44.7 | 68.0 |
| Year Constructed | | | | | | | | | | | | |
| 1945 or Before | 24.1 | 78.5 | 79.7 | 73.4 | 9.8 | 3.5 | 7.9 | 15.3 | 23.5 | 71.0 | 77.5 | 77.0 |
| 1946 to 1959 | 37.5 | 77.9 | 31.5 | 73.5 | 30.3 | 14.9 | 9.3 | 8.3 | 43.1 | 72.0 | 58.4 | 65.2 |
| 1960 to 1969 | 71.7 | 57.1 | 75.9 | 81.0 | 1.6 | 4.6 | 7.0 | 2.8 | 37.7 | 59.9 | 58.2 | 70.0 |
| 1970 to 1979 | 32.5 | 53.8 | 26.1 | 41.1 | 8.6 | 18.9 | 4.2 | 17.9 | 24.2 | 54.2 | 38.3 | 44.1 |
| 1980 to 1989 | 35.3 | 59.3 | 50.1 | 37.7 | 3.9 | 55.1 | 16.0 | 5.0 | 38.3 | 58.1 | 52.0 | 46.0 |
| 1990 to 2003 | 53.4 | 34.1 | 56.9 | 50.9 | 7.5 | 28.3 | 3.2 | 5.1 | 46.6 | 42.2 | 50.3 | 58.6 |
| Climate Zone: 30-Year Average | | | | | | | | | | | | |
| Under 2,000 CDD and -- | | | | | | | | | | | | |
| More than 7,000 HDD | 40.3 | 51.7 | 0.0 | 66.0 | 3.1 | 6.7 | 0.0 | 7.2 | 12.5 | 36.0 | 0.0 | 79.3 |
| 5,500-7,000 HDD | 22.5 | 15.5 | 0.0 | 73.1 | 8.7 | 8.6 | 0.0 | 5.8 | 9.7 | 24.5 | 0.0 | 155.1 |
| 4,000-5,499 HDD | 60.0 | 61.5 | 64.8 | 97.2 | 20.8 | 67.0 | 1.9 | 2.0 | 47.1 | 66.7 | 52.3 | 68.9 |
| Fewer than 4,000 HDD | 0.0 | 0.0 | 32.5 | 78.8 | 0.0 | 0.0 | 5.0 | 1.7 | 0.0 | 0.0 | 24.9 | 77.6 |
| 2,000 CDD or More and -- | | | | | | | | | | | | |
| Fewer than 4,000 HDD | 0.0 | 0.0 | 25.9 | 65.9 | 0.0 | 0.0 | 5.5 | 14.3 | 0.0 | 0.0 | 19.1 | 44.4 |
| Number of Floors | | | | | | | | | | | | |
| One | 39.5 | 40.0 | 70.6 | 86.5 | 11.9 | 3.7 | 3.5 | 0.6 | 35.2 | 34.0 | 51.1 | 69.7 |
| Two | 24.3 | 72.4 | 59.5 | 42.9 | 6.0 | 6.4 | 13.9 | 4.9 | 13.4 | 80.2 | 75.0 | 46.9 |
| Three | 21.0 | 78.1 | 52.5 | 73.3 | 2.7 | 9.5 | 5.9 | 26.3 | 25.3 | 55.1 | 86.1 | 53.8 |
| Four to Nine | 28.6 | 52.7 | 45.1 | 66.5 | 16.6 | 8.3 | 3.8 | 8.6 | 15.0 | 53.4 | 38.1 | 62.3 |
| Ten or More | 58.6 | 19.9 | 38.9 | 46.1 | 41.9 | 4.2 | 9.8 | 18.7 | 69.2 | 35.3 | 31.7 | 24.5 |
| Number of Workers (main shift) | | | | | | | | | | | | |
| Less than 10 | 28.1 | 56.0 | 48.5 | 75.1 | 4.8 | 7.1 | 10.2 | 1.9 | 21.7 | 68.4 | 35.5 | 94.1 |
| 10 to 99 | 20.1 | 51.7 | 64.7 | 63.2 | 12.1 | 18.7 | 10.8 | 5.1 | 21.0 | 54.0 | 82.4 | 62.8 |
| 100 or More | 29.7 | 34.8 | 30.1 | 68.6 | 13.1 | 9.6 | 6.1 | 4.6 | 33.1 | 33.5 | 29.9 | 67.9 |
| Weekly Operating Hours | | | | | | | | | | | | |
| 48 or fewer | 36.0 | 55.3 | 48.4 | 77.8 | 7.8 | 20.4 | 12.2 | 2.1 | 23.9 | 63.3 | 41.0 | 50.4 |
| 49 to 84 | 22.5 | 61.6 | 51.2 | 15.4 | 5.6 | 6.3 | 2.4 | 14.4 | 20.0 | 62.3 | 53.4 | 38.7 |
| 85 to 168 | 24.4 | 26.3 | 40.8 | 49.1 | 9.9 | 12.5 | 6.7 | 3.0 | 18.6 | 29.1 | 34.4 | 59.6 |
| Ownership and Occupancy | | | | | | | | | | | | |
| Nongovernment Owned | 21.3 | 49.4 | 28.5 | 51.4 | 6.7 | 6.8 | 5.6 | 3.7 | 14.3 | 54.3 | 27.9 | 51.0 |
| Owner Occupied | 24.4 | 26.7 | 37.3 | 26.2 | 7.1 | 13.9 | 8.7 | 5.9 | 14.6 | 26.6 | 34.9 | 29.3 |
| Nonowner Occupied | 32.2 | 69.8 | 43.6 | 73.6 | 6.2 | 6.2 | 2.8 | 2.3 | 37.0 | 72.9 | 44.5 | 77.6 |
| Unoccupied | 93.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Government Owned | 25.8 | 49.4 | 66.9 | 81.4 | 9.8 | 3.0 | 13.4 | 4.9 | 25.7 | 50.9 | 55.2 | 66.7 |
| Federal | 61.7 | 100.2 | 55.7 | 93.2 | 12.8 | 48.5 | 6.9 | 0.1 | 16.2 | 99.7 | 46.3 | 26.1 |
| State | 48.4 | 88.3 | 70.7 | 98.5 | 3.3 | 2.8 | 14.5 | 74.7 | 75.8 | 94.1 | 29.8 | 125.9 |
| Local | 15.3 | 65.7 | 58.4 | 90.9 | 15.2 | 3.7 | 9.9 | 56.0 | 21.8 | 59.2 | 62.5 | 90.5 |

RSEs for Table C36. Fuel Oil Expenditures by Census Region for Non-Mall Buildings, 2003

| | RSEs for Total Fuel Oil Expenditures | | | | RSEs for Fuel Oil Expenditures | | | | | | | |
|---|--------------------------------------|----------|-------|-------|--------------------------------|----------|-------|------|-----------------|----------|-------|-------|
| | | | | | per Gallon | | | | per Square Foot | | | |
| | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west | South | West |
| All Buildings* | 20.4 | 41.3 | 39.7 | 48.3 | 5.6 | 6.7 | 2.3 | 3.6 | 12.4 | 36.5 | 36.6 | 58.4 |
| Vacancy Status | | | | | | | | | | | | |
| Completely Vacant | 98.9 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 7.9 | 0.0 | 0.0 | 0.0 |
| Mostly Vacant | 100.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partially Vacant | 38.7 | 78.0 | 41.6 | 68.3 | 27.1 | 5.1 | 17.3 | 7.6 | 35.4 | 79.1 | 40.0 | 78.7 |
| Not At All Vacant | 20.5 | 41.6 | 40.7 | 51.2 | 4.5 | 6.6 | 2.1 | 3.7 | 16.5 | 33.8 | 34.0 | 65.6 |
| Number of Establishments | | | | | | | | | | | | |
| One | 24.4 | 45.0 | 47.9 | 65.2 | 6.0 | 7.4 | 3.6 | 3.1 | 16.3 | 42.7 | 46.5 | 86.0 |
| 2 to 5 | 23.5 | 67.7 | 34.0 | 81.4 | 12.2 | 27.2 | 6.2 | 1.9 | 30.6 | 60.3 | 26.9 | 64.8 |
| 6 to 10 | 76.4 | 85.4 | 77.0 | 100.2 | 44.6 | 5.1 | 44.7 | 73.5 | 78.3 | 94.7 | 52.1 | 115.7 |
| 11 to 20 | 97.5 | 49.0 | 95.1 | 96.3 | 0.5 | 19.3 | 2.5 | 90.9 | 39.1 | 40.8 | 71.4 | 96.5 |
| More than 20 | 74.4 | 75.2 | 81.7 | 68.0 | 47.7 | 15.0 | 1.6 | 37.0 | 79.0 | 73.1 | 82.2 | 54.4 |
| Currently Unoccupied | 98.9 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 7.9 | 0.0 | 0.0 | 0.0 |
| Predominant Exterior Wall Material | | | | | | | | | | | | |
| Brick, Stone or Stucco | 19.6 | 36.1 | 39.0 | 61.8 | 9.9 | 4.5 | 2.2 | 7.3 | 18.8 | 36.8 | 34.8 | 54.1 |
| Concrete (Block or Poured) | 46.3 | 44.8 | 65.1 | 57.1 | 6.4 | 16.0 | 14.3 | 3.2 | 42.8 | 50.3 | 64.3 | 56.4 |
| Concrete Panels | 90.9 | 52.5 | 48.4 | 58.8 | 5.5 | 15.9 | 5.5 | 9.1 | 92.9 | 61.0 | 50.4 | 68.0 |
| Siding or Shingles | 41.0 | 85.3 | 73.1 | 100.3 | 6.7 | 3.5 | 5.4 | 0.0 | 26.2 | 58.1 | 82.9 | . |
| Metal Panels | 40.6 | 71.6 | 59.2 | 68.4 | 5.6 | 35.1 | 6.4 | 2.6 | 49.7 | 69.6 | 123.5 | 60.3 |
| Window Glass | 60.9 | 65.5 | 92.9 | 87.5 | 28.9 | 8.7 | 2.1 | 14.7 | 48.4 | 81.3 | 38.0 | 77.2 |
| Other | 97.3 | 60.3 | 90.0 | 70.1 | 519.7 | 14.1 | 0.0 | 25.7 | 111.5 | 27.6 | 0.0 | 99.4 |
| No One Major Type | 0.0 | 96.2 | X | 95.0 | 0.0 | 1.1 | X | 0.2 | 0.0 | 45.3 | X | 64.1 |
| Predominant Roof Material | | | | | | | | | | | | |
| Built-Up | 28.9 | 38.0 | 46.1 | 66.8 | 14.9 | 5.7 | 1.7 | 2.0 | 29.4 | 39.9 | 42.7 | 97.7 |
| Shingles (Not Wood) | 25.3 | 37.6 | 59.4 | 71.6 | 9.4 | 9.7 | 17.9 | 10.5 | 20.4 | 43.9 | 57.3 | 73.7 |
| Metal Surfacing | 45.1 | 84.0 | 54.3 | 73.3 | 2.7 | 6.0 | 8.0 | 1.9 | 39.7 | 81.6 | 66.0 | 52.3 |
| Synthetic or Rubber | 25.6 | 44.6 | 59.4 | 58.2 | 9.6 | 8.6 | 6.0 | 3.0 | 15.8 | 42.2 | 55.9 | 62.6 |
| Slate or Tile | 53.5 | 73.1 | 31.0 | 100.2 | 7.9 | 36.5 | 2.3 | 69.9 | 10.8 | 77.9 | 44.5 | 101.2 |
| Wooden Materials | 64.3 | 101.1 | 30.1 | 0.0 | 17.8 | 0.0 | 0.3 | 0.0 | 10.4 | . | 15.8 | 0.0 |
| Concrete | X | X | 89.6 | 76.9 | X | X | 12.9 | 49.1 | X | X | 13.0 | 67.6 |
| Other | 100.9 | X | 100.2 | 100.3 | 0.0 | X | 0.0 | 0.0 | 0.0 | X | . | . |
| No One Major Type | 70.8 | 80.3 | 98.6 | X | 6.8 | 7.9 | 0.0 | X | 32.1 | 7.1 | 0.0 | X |
| Renovations in Buildings Constructed Before 1980 (more than one may apply) | | | | | | | | | | | | |
| Any Type of Renovation | 31.9 | 57.6 | 39.1 | 51.7 | 10.3 | 5.5 | 3.9 | 6.4 | 19.1 | 59.1 | 38.4 | 52.7 |
| Addition or Annex | 72.3 | 51.2 | 40.1 | 68.4 | 2.6 | 3.3 | 12.5 | 32.0 | 12.5 | 46.1 | 40.6 | 89.2 |
| Reduction In Floorspace | 70.7 | 61.0 | 79.4 | 87.8 | 69.0 | 151.7 | 16.8 | 0.6 | 110.2 | 194.7 | 77.5 | 74.0 |
| Cosmetic Improvements | 15.2 | 73.5 | 43.3 | 68.7 | 15.7 | 3.7 | 4.4 | 9.6 | 18.3 | 80.0 | 38.1 | 61.2 |
| Wall or Roof Replacement | 16.1 | 40.3 | 28.8 | 57.1 | 23.6 | 9.5 | 7.0 | 3.4 | 24.5 | 42.7 | 40.0 | 69.3 |
| Interior Wall | | | | | | | | | | | | |
| Re-Configuration | 17.2 | 60.4 | 51.7 | 66.8 | 3.0 | 6.3 | 6.1 | 4.7 | 19.3 | 60.5 | 47.3 | 66.0 |
| HVAC Equipment Upgrade | 23.4 | 48.5 | 42.2 | 51.9 | 3.8 | 9.4 | 4.3 | 9.9 | 20.7 | 51.9 | 38.4 | 49.4 |
| Lighting Upgrade | 17.9 | 56.6 | 47.3 | 51.6 | 17.4 | 8.0 | 7.0 | 10.3 | 17.3 | 58.0 | 50.4 | 48.9 |
| Window Replacement | 33.5 | 22.4 | 82.6 | 87.1 | 24.0 | 5.9 | 1.3 | 79.4 | 34.2 | 23.3 | 55.4 | 79.7 |
| Plumbing System Upgrade | 24.6 | 57.1 | 30.7 | 51.6 | 21.8 | 9.7 | 8.3 | 7.7 | 26.8 | 62.5 | 41.0 | 60.6 |
| Insulation Upgrade | 38.3 | 51.5 | 58.7 | 77.3 | 4.3 | 18.2 | 9.4 | 2.7 | 20.3 | 43.6 | 57.4 | 76.0 |
| Other Renovation | 83.1 | 101.8 | 100.3 | 78.9 | 5.5 | 0.0 | 0.0 | 9.5 | 549.5 | 0.0 | . | 43.2 |
| No Renovations Since 1980 | 23.7 | 56.4 | 57.2 | 86.3 | 2.4 | 14.4 | 5.9 | 0.6 | 18.3 | 51.8 | 61.1 | 94.0 |
| Building Newer than 1980 | 39.4 | 33.1 | 44.1 | 36.2 | 5.7 | 24.3 | 10.7 | 3.2 | 33.5 | 38.0 | 42.7 | 42.1 |

RSEs for Table C36. Fuel Oil Expenditures by Census Region for Non-Mall Buildings, 2003

| | RSEs for Total Fuel Oil Expenditures | | | | RSEs for Fuel Oil Expenditures | | | | | | | |
|--|--------------------------------------|----------|-------|-------|--------------------------------|----------|-------|------|-----------------|----------|-------|-------|
| | | | | | per Gallon | | | | per Square Foot | | | |
| | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west | South | West |
| All Buildings* | 20.4 | 41.3 | 39.7 | 48.3 | 5.6 | 6.7 | 2.3 | 3.6 | 12.4 | 36.5 | 36.6 | 58.4 |
| Energy Sources (more than one may apply) | | | | | | | | | | | | |
| Electricity | 22.4 | 43.3 | 40.7 | 39.0 | 4.9 | 7.1 | 2.5 | 4.7 | 17.8 | 36.1 | 35.5 | 47.9 |
| Natural Gas | 22.0 | 23.9 | 23.9 | 52.6 | 8.8 | 18.9 | 6.5 | 6.9 | 17.6 | 25.2 | 22.9 | 50.6 |
| Fuel Oil | 20.4 | 41.3 | 39.7 | 48.3 | 5.6 | 6.7 | 2.3 | 3.6 | 12.4 | 36.5 | 36.6 | 58.4 |
| District Heat | 69.4 | 89.0 | 20.6 | 96.5 | 3.7 | 48.0 | 16.4 | 47.9 | 55.7 | 93.3 | 45.8 | 213.5 |
| District Chilled Water | 68.8 | 90.2 | 34.9 | 94.7 | 4.6 | 44.2 | 8.3 | 23.2 | 68.4 | 95.3 | 52.3 | 103.5 |
| Propane | 40.0 | 69.8 | 86.8 | 80.2 | 7.5 | 6.6 | 0.7 | 1.7 | 9.3 | 81.7 | 106.6 | 72.0 |
| Other | 68.4 | 60.1 | 36.8 | 74.5 | 3.8 | 14.8 | 10.1 | 42.4 | 23.8 | 42.3 | 48.2 | 53.7 |
| Space-Heating Energy Sources | | | | | | | | | | | | |
| Fuel Oil | 20.1 | 43.5 | 40.6 | 63.2 | 5.5 | 6.7 | 3.2 | 5.1 | 8.0 | 45.1 | 27.9 | 45.3 |
| Fuel Oil Main | 21.0 | 53.2 | 45.7 | 76.6 | 5.6 | 6.2 | 4.3 | 4.6 | 7.2 | 59.4 | 6.4 | 36.2 |
| Fuel Oil Secondary | 39.4 | 43.5 | 32.9 | 31.9 | 15.2 | 14.7 | 11.1 | 7.7 | 34.0 | 30.7 | 26.7 | 25.6 |
| Other Excluding Fuel Oil | 71.7 | 44.4 | 42.3 | 28.0 | 9.0 | 12.5 | 3.2 | 6.0 | 69.3 | 41.9 | 44.5 | 31.0 |
| Buildings without Heating | 82.5 | 0.0 | 53.8 | 96.8 | 8.7 | 0.0 | 14.2 | 0.0 | 294.1 | 0.0 | 62.8 | 65.5 |
| Primary Space-Heating Energy Source | | | | | | | | | | | | |
| Electricity | 73.9 | 75.2 | 25.4 | 49.3 | 63.7 | 15.7 | 6.1 | 6.1 | 78.0 | 69.8 | 31.2 | 41.0 |
| Natural Gas | 45.5 | 21.7 | 37.2 | 51.0 | 19.0 | 18.0 | 8.1 | 8.9 | 45.0 | 22.7 | 27.4 | 44.3 |
| Fuel Oil | 21.0 | 53.2 | 45.7 | 76.6 | 5.6 | 6.2 | 4.3 | 4.6 | 7.2 | 59.4 | 6.4 | 36.2 |
| District Heat | 64.8 | 82.5 | 22.3 | 97.8 | 3.3 | 46.6 | 18.8 | 57.6 | 58.4 | 86.4 | 47.9 | 128.6 |
| Propane | 96.3 | 97.6 | 88.1 | 77.8 | 6.1 | 0.1 | 3.0 | 4.4 | 245.9 | 3.4 | 28.7 | 5.3 |
| Other | 100.1 | 69.2 | 44.1 | 97.2 | 0.0 | 18.3 | 9.9 | 6.8 | 0.0 | 21.5 | 67.8 | 98.1 |
| Cooling Energy Sources | | | | | | | | | | | | |
| Fuel Oil | 100.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Other Excluding Fuel Oil | 28.3 | 42.7 | 40.1 | 45.2 | 5.7 | 7.1 | 2.3 | 5.0 | 23.3 | 38.0 | 37.1 | 45.4 |
| Buildings without Cooling | 24.5 | 60.1 | 56.9 | 86.8 | 13.1 | 31.2 | 16.0 | 1.4 | 31.3 | 31.0 | 54.9 | 47.8 |
| Water-Heating Energy Sources | | | | | | | | | | | | |
| Fuel Oil | 26.5 | 59.2 | 67.9 | 64.7 | 7.7 | 8.3 | 1.6 | 0.9 | 18.0 | 52.0 | 16.7 | 14.8 |
| Other Excluding Fuel Oil | 26.5 | 53.4 | 30.0 | 25.8 | 6.0 | 6.8 | 9.2 | 6.6 | 21.1 | 48.2 | 31.6 | 27.2 |
| Buildings without Water Heating | 40.0 | 47.1 | 75.8 | 91.3 | 8.5 | 10.7 | 9.3 | 0.4 | 90.7 | 23.7 | 73.9 | 40.0 |
| Cooking Energy Sources | | | | | | | | | | | | |
| Fuel Oil | 78.2 | 99.9 | 100.0 | 100.3 | 0.7 | 0.0 | 100.0 | 0.0 | 1.8 | 0.0 | 141.4 | . |
| Other Excluding Fuel Oil | 24.9 | 39.1 | 46.7 | 67.1 | 11.2 | 2.3 | 4.9 | 4.4 | 21.3 | 39.7 | 41.9 | 65.8 |
| Buildings without Cooking | 21.2 | 55.7 | 39.3 | 67.1 | 4.7 | 6.5 | 2.9 | 4.2 | 13.7 | 50.0 | 39.8 | 65.7 |
| Energy End Uses (more than one may apply) | | | | | | | | | | | | |
| Buildings with Space Heating | 20.1 | 41.3 | 39.8 | 56.4 | 5.6 | 6.7 | 2.3 | 4.6 | 11.9 | 36.5 | 36.6 | 68.7 |
| Buildings with Cooling | 27.9 | 42.7 | 40.1 | 45.2 | 5.6 | 7.1 | 2.3 | 5.0 | 23.0 | 38.0 | 37.1 | 45.4 |
| Buildings with Water Heating | 19.8 | 45.1 | 40.9 | 37.6 | 5.8 | 6.7 | 6.3 | 4.4 | 12.5 | 40.7 | 39.0 | 44.5 |
| Buildings with Cooking | 25.0 | 39.0 | 45.7 | 67.0 | 10.6 | 2.3 | 4.8 | 4.4 | 21.0 | 39.6 | 41.5 | 65.7 |
| Buildings with Manufacturing | 40.8 | 99.9 | 60.4 | 90.8 | 10.4 | 0.7 | 5.7 | 4.6 | 34.9 | 77.0 | 84.7 | 20.7 |
| Buildings with Electricity Generation | 25.8 | 50.5 | 30.2 | 28.0 | 6.1 | 12.2 | 4.8 | 7.7 | 27.3 | 50.0 | 33.7 | 25.3 |
| Percent of Floorspace Heated | | | | | | | | | | | | |
| Not Heated | 82.5 | 0.0 | 53.8 | 96.8 | 8.7 | 0.0 | 14.2 | 0.0 | 294.1 | 0.0 | 62.8 | 65.5 |
| 1 to 50 | 42.5 | 62.4 | 81.4 | 48.8 | 7.2 | 25.5 | 6.7 | 8.2 | 31.2 | 16.5 | 85.5 | 64.1 |
| 51 to 99 | 33.4 | 93.0 | 11.7 | 85.9 | 26.9 | 21.8 | 11.0 | 41.2 | 32.3 | 96.3 | 26.9 | 87.9 |
| 100 | 21.6 | 47.7 | 48.1 | 63.2 | 5.3 | 6.1 | 2.1 | 3.0 | 19.1 | 40.9 | 41.8 | 87.6 |

RSEs for Table C36. Fuel Oil Expenditures by Census Region for Non-Mall Buildings, 2003

| | RSEs for Total Fuel Oil Expenditures | | | | RSEs for Fuel Oil Expenditures | | | | | | | |
|--|--------------------------------------|----------|-------|------|--------------------------------|----------|-------|------|-----------------|----------|-------|-------|
| | | | | | per Gallon | | | | per Square Foot | | | |
| | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west | South | West |
| All Buildings* | 20.4 | 41.3 | 39.7 | 48.3 | 5.6 | 6.7 | 2.3 | 3.6 | 12.4 | 36.5 | 36.6 | 58.4 |
| Heating Equipment (more than one may apply) | | | | | | | | | | | | |
| Heat Pumps | 58.7 | 32.2 | 33.8 | 82.2 | 5.8 | 6.8 | 5.0 | 31.7 | 35.5 | 36.7 | 50.9 | 88.5 |
| Packaged Heat Pumps | 100.1 | 32.7 | 50.4 | 52.7 | 51.0 | 7.1 | 5.8 | 14.1 | 102.8 | 37.8 | 56.5 | 32.5 |
| Split-System Heat Pumps | X | 90.2 | 82.8 | 79.9 | X | 1.1 | 2.0 | 9.9 | X | 70.3 | 59.6 | 62.7 |
| Individual Room Heat Pumps | 72.2 | 89.2 | 38.1 | 97.8 | 5.3 | 1.4 | 13.9 | 4.6 | 66.2 | 81.0 | 20.9 | 103.7 |
| Furnaces | 33.4 | 48.3 | 51.0 | 38.5 | 4.3 | 12.6 | 9.0 | 5.0 | 13.0 | 48.7 | 75.1 | 42.0 |
| Individual Space Heaters | 33.0 | 51.4 | 42.2 | 33.5 | 3.6 | 7.5 | 15.4 | 12.7 | 31.8 | 49.9 | 38.9 | 18.5 |
| District Heat | 70.0 | 82.5 | 21.0 | 96.5 | 3.6 | 46.6 | 16.9 | 47.9 | 56.3 | 86.4 | 46.9 | 213.5 |
| Boilers | 16.7 | 55.0 | 42.0 | 62.6 | 8.9 | 5.4 | 2.2 | 4.3 | 13.9 | 59.5 | 28.0 | 77.4 |
| Packaged Heating Units | 47.7 | 33.5 | 50.0 | 57.7 | 6.4 | 3.2 | 4.4 | 5.5 | 43.5 | 35.1 | 52.0 | 59.1 |
| Other | 58.7 | 80.6 | 53.0 | 96.2 | 7.3 | 41.1 | 4.2 | 62.7 | 46.2 | 68.4 | 63.5 | 172.7 |
| Water Heating Equipment | | | | | | | | | | | | |
| Centralized System | 18.8 | 54.9 | 55.1 | 53.2 | 7.2 | 6.9 | 9.2 | 1.4 | 15.9 | 45.0 | 52.5 | 51.3 |
| Distributed System | 40.9 | 64.2 | 54.7 | 67.0 | 7.3 | 36.4 | 14.3 | 25.1 | 25.2 | 73.0 | 37.3 | 74.2 |
| Combination of Centralized and Distributed System | 42.1 | 59.3 | 24.6 | 16.5 | 5.9 | 24.7 | 2.1 | 10.3 | 45.2 | 61.3 | 28.3 | 30.2 |
| Energy-Related Space Functions (more than one may apply) | | | | | | | | | | | | |
| Commercial Food Preparation | 25.0 | 39.0 | 45.7 | 67.0 | 10.6 | 2.3 | 4.8 | 4.4 | 21.0 | 39.6 | 41.5 | 65.7 |
| Activities with Large Amounts of Hot Water | 25.7 | 33.8 | 50.1 | 53.3 | 13.0 | 2.8 | 2.9 | 2.9 | 20.9 | 36.4 | 45.2 | 68.7 |
| Separate Computer Area | 19.8 | 38.8 | 39.2 | 50.3 | 12.1 | 2.6 | 7.6 | 4.9 | 21.8 | 38.5 | 39.7 | 61.0 |
| HVAC Conservation Features (more than one may apply) | | | | | | | | | | | | |
| Variable Air-Volume System | 30.1 | 41.2 | 33.3 | 38.4 | 21.0 | 2.5 | 6.3 | 3.8 | 33.5 | 42.5 | 36.5 | 43.6 |
| Economizer Cycle | 26.2 | 38.1 | 34.4 | 29.7 | 7.3 | 3.1 | 8.8 | 6.5 | 21.4 | 38.8 | 30.9 | 33.5 |
| HVAC Maintenance | 21.1 | 41.2 | 41.3 | 50.2 | 6.3 | 8.6 | 2.4 | 3.3 | 13.3 | 40.9 | 38.6 | 60.7 |
| Energy Management and Control System (EMCS) | 26.4 | 28.3 | 37.6 | 78.3 | 6.3 | 7.4 | 9.2 | 2.5 | 28.3 | 25.9 | 35.3 | 80.4 |
| Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^a | | | | | | | | | | | | |
| Heating | 21.7 | 29.1 | 42.1 | 64.0 | 5.3 | 7.9 | 2.1 | 5.3 | 16.3 | 29.9 | 40.8 | 81.9 |
| Cooling | 27.2 | 34.6 | 42.4 | 64.8 | 5.5 | 13.6 | 2.2 | 4.3 | 23.4 | 34.2 | 41.0 | 64.3 |
| Lighting | 24.3 | 49.7 | 48.2 | 68.2 | 6.9 | 6.9 | 4.2 | 4.4 | 11.6 | 45.8 | 47.3 | 72.3 |
| Office Equipment | 24.8 | 77.4 | 84.1 | 82.2 | 8.5 | 4.5 | 2.5 | 8.2 | 23.1 | 84.5 | 59.8 | 99.0 |
| Annual Consumption (gallons) | | | | | | | | | | | | |
| 1,000 or Less | 23.1 | 44.3 | 36.6 | 20.8 | 7.4 | 15.9 | 6.1 | 2.5 | 25.1 | 42.7 | 41.4 | 28.5 |
| 1,001 to 5,000 | 29.9 | 60.0 | 75.8 | 66.7 | 3.5 | 21.9 | 2.2 | 3.6 | 19.8 | 51.7 | 64.0 | 104.2 |
| 5,001 to 10,000 | 36.6 | 7.6 | 59.1 | 93.6 | 29.2 | 11.1 | 14.0 | 0.3 | 45.4 | 28.7 | 52.1 | 29.8 |
| 10,001 to 25,000 | 34.2 | 77.8 | 34.7 | 73.0 | 12.8 | 2.7 | 3.7 | 10.5 | 31.0 | 67.0 | 20.5 | 52.2 |
| Over 25,000 | 41.3 | 60.9 | 39.7 | 59.2 | 8.6 | 6.1 | 10.9 | 2.6 | 9.8 | 50.9 | 19.5 | 23.8 |

X=No cases in the responding sample reported their consumption for the particular fuel, so relative standard error could not be calculated.

RSEs for Table C37. Total District Heat Consumption and Expenditures for Non-Mall Buildings, 2003

| | RSEs for All Buildings* Using District Heat | | | RSEs for District Heat Consumption | RSEs for District Heat Expenditures |
|--|--|------------|----------------------------|--|---|
| | Number of Buildings | Floorspace | Floorspace per Building | Total | Total |
| All Buildings* | 12.4 | 13.4 | 12.0 | 19.2 | 32.3 |
| Building Floorspace (Square Feet) | | | | | |
| 1,001 to 5,000 | 72.2 | 76.4 | 51.1 | X | 100.3 |
| 5,001 to 10,000 | 41.5 | 41.3 | 4.6 | 65.3 | 97.0 |
| 10,001 to 25,000 | 30.1 | 31.6 | 5.9 | 61.2 | 98.9 |
| 25,001 to 50,000 | 22.9 | 21.5 | 3.4 | 42.9 | 37.7 |
| 50,001 to 100,000 | 19.1 | 18.8 | 3.6 | 50.4 | 67.7 |
| 100,001 to 200,000 | 23.3 | 23.4 | 4.0 | 34.3 | 46.4 |
| 200,001 to 500,000 | 25.3 | 25.6 | 2.0 | 27.2 | 36.4 |
| Over 500,000 | 21.3 | 21.0 | 8.7 | 32.9 | 40.5 |
| Principal Building Activity | | | | | |
| Education | 18.2 | 19.5 | 19.0 | 42.6 | 86.2 |
| Food Sales | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Food Service | 32.3 | 40.6 | 26.7 | 73.4 | 98.9 |
| Health Care | 37.4 | 17.3 | 51.2 | 43.1 | 43.8 |
| Inpatient | 22.7 | 19.2 | 18.3 | 44.3 | 43.8 |
| Outpatient | 66.0 | 43.5 | 82.5 | 76.1 | X |
| Lodging | 44.2 | 30.2 | 56.7 | 38.3 | 79.7 |
| Retail (Other Than Mall) | 100.2 | 100.2 | 0.0 | X | X |
| Office | 35.9 | 21.8 | 28.6 | 30.1 | 36.0 |
| Public Assembly | 48.0 | 27.1 | 27.2 | 48.3 | 49.4 |
| Public Order and Safety | 56.5 | 61.1 | 50.7 | 100.6 | 100.6 |
| Religious Worship | 100.1 | 100.1 | 0.0 | X | X |
| Service | 79.2 | 92.1 | 69.8 | 94.0 | 100.1 |
| Warehouse and Storage | 50.4 | 71.9 | 38.3 | 78.3 | 76.3 |
| Other | 43.3 | 52.5 | 30.2 | 59.1 | 86.2 |
| Vacant | 70.7 | 78.3 | 79.9 | 100.1 | 100.1 |
| Year Constructed | | | | | |
| Before 1920 | 43.1 | 42.4 | 38.2 | 48.7 | 51.8 |
| 1920 to 1945 | 37.5 | 37.8 | 32.2 | 38.9 | 35.7 |
| 1946 to 1959 | 34.2 | 30.8 | 41.0 | 44.7 | 57.7 |
| 1960 to 1969 | 31.3 | 17.3 | 22.1 | 38.1 | 59.8 |
| 1970 to 1979 | 26.7 | 18.4 | 26.4 | 34.1 | 41.7 |
| 1980 to 1989 | 29.2 | 29.2 | 22.0 | 51.0 | 48.7 |
| 1990 to 1999 | 31.6 | 33.7 | 34.1 | 38.4 | 60.7 |
| 2000 to 2003 | 22.1 | 31.0 | 24.7 | 31.3 | 77.3 |
| Census Region and Division | | | | | |
| Northeast | 25.1 | 19.9 | 23.3 | 45.1 | 48.5 |
| New England | 57.0 | 34.8 | 79.1 | 46.7 | 66.5 |
| Middle Atlantic | 26.2 | 23.4 | 22.1 | 53.9 | 63.6 |
| Midwest | 32.9 | 34.2 | 25.6 | 34.9 | 43.8 |
| East North Central | 36.7 | 38.7 | 16.6 | 38.0 | 49.8 |
| West North Central | 59.0 | 63.8 | 42.4 | 86.9 | 93.7 |
| South | 21.4 | 20.7 | 20.8 | 33.2 | 54.0 |
| South Atlantic | 25.2 | 26.7 | 25.7 | 42.2 | 64.7 |
| East South Central | 51.9 | 38.1 | 21.1 | 68.9 | 97.6 |
| West South Central | 35.2 | 51.1 | 85.4 | 76.1 | 99.1 |
| West | 22.4 | 23.2 | 21.7 | 46.6 | 55.6 |
| Mountain | 20.6 | 40.8 | 40.7 | 77.7 | 100.1 |
| Pacific | 39.8 | 28.5 | 25.6 | 53.3 | 60.9 |

RSEs for Table C37. Total District Heat Consumption and Expenditures for Non-Mall Buildings, 2003

| | RSEs for All Buildings* Using District Heat | | | RSEs for District Heat Consumption | RSEs for District Heat Expenditures |
|---------------------------------------|--|------------|----------------------------|--|---|
| | Number of Buildings | Floorspace | Floorspace per Building | Total | Total |
| All Buildings* | 12.4 | 13.4 | 12.0 | 19.2 | 32.3 |
| Climate Zone: 30-Year Average | | | | | |
| Under 2,000 CDD and -- | | | | | |
| More than 7,000 HDD | 43.1 | 22.1 | 42.9 | 23.2 | 55.4 |
| 5,500-7,000 HDD | 22.5 | 32.7 | 25.5 | 35.6 | 44.7 |
| 4,000-5,499 HDD | 24.9 | 28.0 | 21.1 | 37.5 | 51.6 |
| Fewer than 4,000 HDD | 27.0 | 28.4 | 14.7 | 41.8 | 55.2 |
| 2,000 CDD or More and -- | | | | | |
| Fewer than 4,000 HDD | 34.8 | 41.1 | 48.5 | 80.3 | 100.3 |
| Number of Floors | | | | | |
| One | 26.0 | 62.0 | 48.7 | 70.9 | 97.5 |
| Two | 32.5 | 33.1 | 23.6 | 47.4 | 41.6 |
| Three | 30.0 | 22.8 | 19.8 | 47.6 | 98.3 |
| Four to Nine | 21.3 | 15.5 | 15.6 | 25.3 | 43.9 |
| Ten or More | 24.1 | 22.3 | 14.9 | 29.8 | 35.3 |
| Number of Workers (main shift) | | | | | |
| Fewer than 5 | 26.3 | 47.8 | 40.6 | 63.8 | 61.1 |
| 5 to 9 | 53.3 | 73.9 | 52.8 | 102.2 | 83.3 |
| 10 to 19 | 44.9 | 27.1 | 33.5 | 48.1 | 87.8 |
| 20 to 49 | 30.6 | 24.2 | 13.9 | 41.5 | 91.6 |
| 50 to 99 | 20.7 | 20.3 | 19.0 | 39.1 | 71.2 |
| 100 to 249 | 16.2 | 19.1 | 12.3 | 40.5 | 57.8 |
| 250 or More | 27.8 | 18.1 | 18.0 | 26.1 | 29.8 |
| Weekly Operating Hours | | | | | |
| Fewer than 40 | 55.9 | 58.3 | 66.8 | 100.1 | 100.1 |
| 40 to 48 | 37.2 | 30.3 | 38.4 | 55.5 | 59.1 |
| 49 to 60 | 31.7 | 37.2 | 30.9 | 32.5 | 41.5 |
| 61 to 84 | 29.5 | 23.1 | 33.9 | 35.4 | 43.1 |
| 85 to 167 | 25.1 | 26.4 | 14.2 | 23.4 | 45.1 |
| Open Continuously | 26.0 | 18.1 | 28.7 | 30.7 | 46.8 |
| Ownership and Occupancy | | | | | |
| Nongovernment Owned | 20.1 | 17.4 | 20.2 | 28.7 | 39.1 |
| Owner Occupied | 21.5 | 18.4 | 22.7 | 34.9 | 47.1 |
| Nonowner Occupied | 42.1 | 30.4 | 40.0 | 40.8 | 48.2 |
| Unoccupied | 100.1 | 100.1 | 0.0 | X | X |
| Government Owned | 16.9 | 19.1 | 16.0 | 24.4 | 44.9 |
| Federal | 48.3 | 55.3 | 24.6 | 51.5 | 65.9 |
| State | 20.1 | 18.6 | 13.4 | 27.5 | 53.8 |
| Local | 37.9 | 35.5 | 43.9 | 88.1 | 68.9 |
| Vacancy Status | | | | | |
| Completely Vacant | 70.7 | 78.3 | 79.9 | 100.1 | 100.1 |
| Mostly Vacant | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partially Vacant | 25.0 | 18.5 | 26.4 | 36.6 | 41.8 |
| Not At All Vacant | 14.0 | 15.1 | 13.1 | 21.1 | 45.0 |
| Number of Establishments | | | | | |
| One | 14.8 | 19.3 | 16.6 | 22.9 | 39.8 |
| 2 to 5 | 34.5 | 24.4 | 23.9 | 37.7 | 67.5 |
| 6 to 10 | 64.9 | 57.2 | 115.6 | 71.7 | 62.4 |
| 11 to 20 | 54.0 | 47.6 | 39.4 | 50.9 | 57.3 |
| More than 20 | 30.8 | 39.4 | 18.7 | 53.2 | 63.4 |
| Currently Unoccupied | 70.7 | 78.3 | 79.9 | 100.1 | 100.1 |

RSEs for Table C37. Total District Heat Consumption and Expenditures for Non-Mall Buildings, 2003

| | RSEs for All Buildings* Using District Heat | | | RSEs for District Heat Consumption | RSEs for District Heat Expenditures |
|---|--|------------|----------------------------|--|---|
| | Number of Buildings | Floorspace | Floorspace per Building | Total | Total |
| All Buildings* | 12.4 | 13.4 | 12.0 | 19.2 | 32.3 |
| Predominant Exterior Wall Material | | | | | |
| Brick, Stone or Stucco | 14.9 | 19.7 | 15.8 | 23.9 | 45.0 |
| Concrete (Block or Poured) | 34.3 | 26.6 | 27.3 | 41.6 | 56.7 |
| Concrete Panels | 39.8 | 35.8 | 18.8 | 41.4 | 55.1 |
| Siding or Shingles | 100.3 | 100.3 | 0.0 | 100.3 | X |
| Metal Panels | 58.4 | 53.8 | 79.6 | 66.2 | 72.5 |
| Window Glass | 53.0 | 43.4 | 47.4 | 60.6 | 85.9 |
| Other | 51.3 | 47.5 | 18.4 | 93.6 | 78.2 |
| No One Major Type | 65.8 | 60.4 | 80.7 | X | X |
| Predominant Roof Material | | | | | |
| Built-Up | 22.8 | 16.5 | 17.5 | 24.2 | 44.4 |
| Shingles (Not Wood) | 29.0 | 27.1 | 20.8 | 68.2 | 37.4 |
| Metal Surfacing | 54.9 | 51.9 | 13.0 | 100.1 | X |
| Synthetic or Rubber | 28.3 | 20.0 | 21.0 | 34.3 | 53.1 |
| Slate or Tile | 33.8 | 34.5 | 41.1 | 55.4 | 97.6 |
| Wooden Materials | 83.5 | 86.0 | 17.4 | X | X |
| Concrete | 50.8 | 69.0 | 54.3 | 95.4 | 99.6 |
| Other | 97.0 | 93.2 | 122.4 | 97.9 | 93.8 |
| No One Major Type | 84.9 | 63.2 | 26.9 | 76.7 | 70.2 |
| Renovations in Buildings Constructed Before 1980 (more than one may apply) | | | | | |
| Any Type of Renovation | | | | | |
| Since 1980 | 22.2 | 17.5 | 22.5 | 25.3 | 36.3 |
| Addition or Annex | 32.2 | 28.6 | 28.0 | 43.8 | 58.2 |
| Reduction In Floorspace | 59.2 | 47.1 | 41.3 | 98.6 | 98.6 |
| Cosmetic Improvements | 22.7 | 18.6 | 20.5 | 27.4 | 40.0 |
| Wall or Roof Replacement | 37.6 | 25.2 | 45.8 | 39.4 | 53.9 |
| Interior Wall | | | | | |
| Re-Configuration | 22.8 | 22.2 | 24.5 | 30.2 | 45.2 |
| HVAC Equipment Upgrade | 27.7 | 20.4 | 26.7 | 27.5 | 39.1 |
| Lighting Upgrade | 24.3 | 18.5 | 26.5 | 28.3 | 41.0 |
| Window Replacement | 47.3 | 28.4 | 77.1 | 42.5 | 45.5 |
| Plumbing System Upgrade | 40.5 | 23.9 | 56.2 | 30.3 | 44.8 |
| Insulation Upgrade | 33.5 | 32.5 | 30.1 | 56.9 | 70.9 |
| Other Renovation | 59.1 | 58.8 | 36.5 | 75.5 | 59.2 |
| No Renovations Since 1980 | 15.6 | 24.5 | 19.0 | 32.8 | 63.3 |
| Building Newer than 1980 | 20.8 | 19.3 | 19.6 | 36.9 | 35.7 |
| Energy Sources (more than one may apply) | | | | | |
| Electricity | 14.2 | 15.1 | 13.5 | 19.6 | 27.0 |
| Natural Gas | 30.8 | 16.4 | 36.5 | 33.0 | 44.9 |
| Fuel Oil | 23.6 | 23.1 | 20.3 | 33.4 | 40.0 |
| District Heat | 12.4 | 13.4 | 12.0 | 19.2 | 32.3 |
| District Chilled Water | 15.9 | 14.4 | 16.5 | 26.4 | 60.7 |
| Propane | 51.6 | 61.3 | 63.9 | 83.2 | 86.4 |
| Other | 89.5 | 59.5 | 29.1 | 66.3 | 98.6 |

RSEs for Table C37. Total District Heat Consumption and Expenditures for Non-Mall Buildings, 2003

| | RSEs for All Buildings* Using District Heat | | | RSEs for District Heat Consumption | RSEs for District Heat Expenditures |
|--|--|------------|----------------------------|--|---|
| | Number of Buildings | Floorspace | Floorspace per Building | Total | Total |
| All Buildings* | 12.4 | 13.4 | 12.0 | 19.2 | 32.3 |
| Space-Heating Energy Sources | | | | | |
| District Heat | 12.4 | 13.9 | 12.4 | 19.2 | 32.3 |
| District Heat Main | 12.8 | 14.4 | 12.5 | 19.9 | 33.7 |
| District Heat Secondary | 38.5 | 39.1 | 45.3 | 63.6 | 57.6 |
| Other Excluding District Heat | 78.2 | 41.5 | 230.3 | X | X |
| Buildings without Heating | 69.0 | 79.4 | 29.2 | 98.1 | X |
| Primary Space-Heating Energy Source | | | | | |
| Electricity | 64.2 | 42.9 | 102.6 | 68.3 | 53.6 |
| Natural Gas | 51.8 | 45.8 | 69.5 | 76.9 | 77.2 |
| Fuel Oil..... | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| District Heat | 12.8 | 14.4 | 12.5 | 19.9 | 33.7 |
| Propane..... | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Other..... | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cooling Energy Sources | | | | | |
| District Heat | 38.1 | 38.4 | 39.4 | 45.6 | 47.7 |
| Other Excluding District Heat | 13.1 | 11.4 | 12.0 | 20.3 | 37.1 |
| Buildings without Cooling | 28.3 | 51.5 | 35.8 | 66.1 | 100.3 |
| Water-Heating Energy Sources | | | | | |
| District Heat | 22.6 | 14.2 | 18.1 | 20.7 | 30.6 |
| Other Excluding District Heat | 17.6 | 18.1 | 19.4 | 44.5 | 57.4 |
| Buildings without Water Heating | 49.7 | 54.3 | 33.6 | 64.5 | 95.5 |
| Cooking Energy Sources | | | | | |
| District Heat | 26.4 | 27.1 | 23.7 | 44.4 | 48.4 |
| Other Excluding District Heat | 40.4 | 21.8 | 61.0 | 43.8 | 40.7 |
| Buildings without Cooking | 13.1 | 15.1 | 11.7 | 23.2 | 41.5 |
| Energy End Uses (more than one may apply) | | | | | |
| Buildings with Space Heating | 12.5 | 13.6 | 12.1 | 19.2 | 32.3 |
| Buildings with Cooling | 12.9 | 11.0 | 12.1 | 19.5 | 32.4 |
| Buildings with Water Heating | 12.1 | 10.8 | 11.3 | 19.9 | 32.5 |
| Buildings with Cooking | 33.5 | 18.8 | 45.8 | 31.5 | 37.5 |
| Buildings with Manufacturing | 68.6 | 56.7 | 46.4 | 69.7 | 67.7 |
| Buildings with Electricity Generation | 17.8 | 18.5 | 17.0 | 28.3 | 45.8 |
| Percent of Floorspace Heated | | | | | |
| Not Heated | 69.0 | 79.4 | 29.2 | 98.1 | X |
| 1 to 50 | 91.0 | 61.2 | 442.0 | 100.0 | 100.0 |
| 51 to 99 | 44.3 | 26.7 | 37.3 | 45.4 | 48.4 |
| 100 | 14.3 | 14.3 | 13.1 | 21.4 | 36.0 |

RSEs for Table C37. Total District Heat Consumption and Expenditures for Non-Mall Buildings, 2003

| | RSEs for All Buildings* Using District Heat | | | RSEs for District Heat Consumption | RSEs for District Heat Expenditures |
|--|--|------------|----------------------------|--|---|
| | Number of Buildings | Floorspace | Floorspace per Building | Total | Total |
| All Buildings* | 12.4 | 13.4 | 12.0 | 19.2 | 32.3 |
| Heating Equipment (more than one may apply) | | | | | |
| Heat Pumps | 35.4 | 37.3 | 28.7 | 75.9 | 76.0 |
| Packaged Heat Pumps | 46.3 | 44.8 | 44.9 | 97.6 | 96.5 |
| Split-System Heat Pumps | 59.2 | 74.9 | 46.1 | 86.2 | 87.1 |
| Individual Room Heat Pumps | 49.8 | 40.5 | 32.2 | 69.1 | 61.2 |
| Furnaces | 57.1 | 31.9 | 46.5 | 46.2 | 69.2 |
| Individual Space Heaters | 35.5 | 27.1 | 30.9 | 38.4 | 64.0 |
| District Heat | 12.5 | 14.0 | 12.5 | 19.2 | 32.3 |
| Boilers | 51.4 | 45.2 | 35.5 | 95.3 | 77.2 |
| Packaged Heating Units | 29.6 | 22.8 | 20.8 | 50.8 | 63.4 |
| Other | 47.6 | 44.9 | 43.2 | 60.1 | 64.1 |
| Water Heating Equipment | | | | | |
| Centralized System | 14.1 | 13.4 | 14.2 | 20.7 | 34.2 |
| Distributed System | 36.7 | 34.9 | 36.7 | 66.8 | 94.2 |
| Combination of Centralized and Distributed System | 24.8 | 21.2 | 21.9 | 34.2 | 36.8 |
| Energy-Related Space Functions (more than one may apply) | | | | | |
| Commercial Food Preparation | 33.5 | 18.8 | 45.8 | 31.5 | 37.5 |
| Activities with Large Amounts of Hot Water | 28.5 | 16.3 | 23.3 | 27.9 | 42.4 |
| Separate Computer Area | 15.6 | 14.6 | 13.6 | 21.8 | 37.0 |
| HVAC Conservation Features (more than one may apply) | | | | | |
| Variable Air-Volume System | 19.6 | 13.7 | 17.0 | 23.9 | 38.0 |
| Economizer Cycle | 13.5 | 14.0 | 13.5 | 23.7 | 38.9 |
| HVAC Maintenance | 12.6 | 14.1 | 12.3 | 19.3 | 32.3 |
| Energy Management and Control System (EMCS) | 14.5 | 13.7 | 13.7 | 23.9 | 40.8 |
| Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^a | | | | | |
| Heating | 17.1 | 13.6 | 17.5 | 23.7 | 40.1 |
| Cooling | 15.7 | 13.1 | 16.0 | 23.6 | 39.1 |
| Lighting | 15.4 | 17.8 | 16.1 | 22.3 | 30.9 |
| Office Equipment | 22.2 | 33.5 | 31.4 | 36.7 | 70.1 |

X=No cases in the responding sample reported their consumption for the particular fuel, so relative standard error could not be calculated.

RSEs for Table C38. District Heat Consumption and Expenditure Intensities for Non-Mall Buildings, 2003

| | RSEs for District Heat Consumption | | | RSEs for District Heat Expenditures | | |
|--|------------------------------------|-----------------|------------|-------------------------------------|-----------------|---------------------|
| | per Building | per Square Foot | per Worker | per Building | per Square Foot | per Thousand Pounds |
| All Buildings* | 19.7 | 19.2 | 30.2 | 33.7 | 32.0 | 25.8 |
| Building Floorspace (Square Feet) | | | | | | |
| 1,001 to 5,000 | X | X | X | 141.4 | 235.4 | X |
| 5,001 to 10,000 | 57.0 | 60.4 | 71.1 | 65.2 | 69.0 | 46.7 |
| 10,001 to 25,000 | 45.3 | 43.7 | 40.6 | 99.7 | 99.0 | 108.6 |
| 25,001 to 50,000 | 43.5 | 42.6 | 40.4 | 39.4 | 38.0 | 30.6 |
| 50,001 to 100,000 | 49.0 | 48.3 | 51.3 | 64.4 | 63.8 | 38.0 |
| 100,001 to 200,000 | 37.8 | 38.1 | 55.0 | 45.5 | 46.8 | 46.0 |
| 200,001 to 500,000 | 28.8 | 28.7 | 27.0 | 37.7 | 37.7 | 30.7 |
| Over 500,000 | 35.0 | 31.3 | 33.7 | 34.6 | 28.2 | 33.6 |
| Principal Building Activity | | | | | | |
| Education | 45.0 | 40.6 | 60.4 | 87.2 | 85.4 | 38.4 |
| Food Sales | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Food Service | 62.7 | 48.7 | 54.3 | 66.5 | 100.8 | 112.4 |
| Health Care | 72.8 | 38.3 | 40.9 | 70.1 | 41.8 | 49.0 |
| Inpatient | 47.0 | 38.4 | 41.6 | 46.0 | 41.5 | 49.3 |
| Outpatient | 162.5 | 69.4 | 58.0 | X | X | X |
| Lodging | 73.4 | 36.1 | 45.9 | 97.3 | 80.9 | 86.3 |
| Retail (Other Than Mall) | X | X | X | X | X | X |
| Office | 27.2 | 21.2 | 23.3 | 38.7 | 22.3 | 20.9 |
| Public Assembly | 57.5 | 48.8 | 51.6 | 59.4 | 52.2 | 71.4 |
| Public Order and Safety | 110.9 | 150.9 | 178.4 | 110.9 | 150.9 | 0.0 |
| Religious Worship | X | X | X | X | X | X |
| Service | 78.9 | 25.6 | 61.6 | 105.4 | 100.4 | 100.2 |
| Warehouse and Storage | 82.2 | 86.4 | 132.3 | 79.4 | 84.3 | 15.0 |
| Other | 78.2 | 119.6 | 94.2 | 78.8 | 123.2 | 121.8 |
| Vacant | 171.7 | 295.9 | 0.0 | 171.7 | 295.9 | 0.0 |
| Year Constructed | | | | | | |
| Before 1920 | 57.4 | 68.0 | 44.9 | 60.0 | 74.3 | 19.0 |
| 1920 to 1945 | 48.6 | 42.9 | 43.6 | 44.2 | 34.6 | 37.3 |
| 1946 to 1959 | 52.9 | 37.8 | 37.8 | 71.1 | 43.2 | 31.0 |
| 1960 to 1969 | 40.1 | 34.9 | 36.6 | 62.4 | 56.9 | 36.6 |
| 1970 to 1979 | 45.5 | 29.9 | 28.8 | 47.7 | 39.7 | 35.1 |
| 1980 to 1989 | 59.1 | 56.5 | 58.7 | 56.5 | 53.0 | 53.7 |
| 1990 to 1999 | 42.1 | 32.5 | 53.9 | 72.4 | 66.0 | 60.1 |
| 2000 to 2003 | 35.6 | 26.5 | 25.2 | 76.4 | 53.1 | 43.2 |
| Census Region and Division | | | | | | |
| Northeast | 49.4 | 43.8 | 43.0 | 52.1 | 47.6 | 26.6 |
| New England | 122.6 | 48.6 | 50.1 | 127.0 | 62.3 | 119.7 |
| Middle Atlantic | 54.0 | 52.1 | 51.1 | 63.9 | 62.2 | 11.6 |
| Midwest | 46.3 | 38.6 | 39.2 | 50.3 | 46.4 | 31.6 |
| East North Central | 44.9 | 41.6 | 42.3 | 51.9 | 52.1 | 36.4 |
| West North Central | 125.9 | 156.5 | 140.9 | 132.0 | 162.0 | 54.4 |
| South | 27.8 | 27.4 | 46.9 | 58.7 | 45.3 | 42.2 |
| South Atlantic | 38.6 | 34.0 | 55.1 | 74.6 | 53.5 | 53.0 |
| East South Central | 33.5 | 51.0 | 34.0 | 39.3 | 69.3 | 35.9 |
| West South Central | 77.4 | 80.5 | 81.7 | 104.4 | 105.4 | 97.9 |
| West | 44.2 | 41.5 | 47.6 | 57.4 | 51.1 | 63.8 |
| Mountain | 79.4 | 86.2 | 102.3 | 102.3 | 100.8 | 327.6 |
| Pacific | 53.5 | 42.9 | 54.6 | 65.1 | 56.5 | 69.5 |

RSEs for Table C38. District Heat Consumption and Expenditure Intensities for Non-Mall Buildings, 2003

| | RSEs for District Heat Consumption | | | RSEs for District Heat Expenditures | | |
|---------------------------------------|------------------------------------|-----------------|------------|-------------------------------------|-----------------|---------------------|
| | per Building | per Square Foot | per Worker | per Building | per Square Foot | per Thousand Pounds |
| All Buildings* | 19.7 | 19.2 | 30.2 | 33.7 | 32.0 | 25.8 |
| Climate Zone: 30-Year Average | | | | | | |
| Under 2,000 CDD and -- | | | | | | |
| More than 7,000 HDD | 75.5 | 35.1 | 44.8 | 84.9 | 53.6 | 63.9 |
| 5,500-7,000 HDD | 36.3 | 37.6 | 36.8 | 47.1 | 48.5 | 50.4 |
| 4,000-5,499 HDD | 31.6 | 29.9 | 30.8 | 49.4 | 46.0 | 26.9 |
| Fewer than 4,000 HDD | 29.9 | 38.7 | 38.7 | 60.1 | 59.3 | 77.9 |
| 2,000 CDD or More and -- | | | | | | |
| Fewer than 4,000 HDD | 89.9 | 85.0 | 92.5 | 109.6 | 105.5 | 101.7 |
| Number of Floors | | | | | | |
| One | 73.9 | 79.0 | 89.4 | 101.1 | 104.9 | 93.9 |
| Two | 39.0 | 42.5 | 35.6 | 46.9 | 47.0 | 38.7 |
| Three | 42.8 | 42.8 | 46.1 | 92.2 | 84.1 | 93.4 |
| Four to Nine | 29.5 | 25.6 | 43.2 | 44.1 | 43.1 | 34.5 |
| Ten or More | 17.5 | 22.7 | 23.3 | 30.5 | 25.5 | 24.9 |
| Number of Workers (main shift) | | | | | | |
| Fewer than 5 | 69.0 | 72.1 | 77.6 | 64.6 | 70.1 | 120.1 |
| 5 to 9 | 65.1 | 98.8 | 65.7 | 53.6 | 83.3 | 23.6 |
| 10 to 19 | 41.8 | 47.0 | 45.8 | 49.6 | 71.7 | 41.2 |
| 20 to 49 | 37.5 | 36.3 | 38.2 | 93.5 | 91.0 | 49.1 |
| 50 to 99 | 39.4 | 35.3 | 41.6 | 72.7 | 71.9 | 74.4 |
| 100 to 249 | 41.2 | 43.8 | 42.6 | 53.5 | 56.1 | 72.4 |
| 250 or More | 30.7 | 24.3 | 38.7 | 31.9 | 21.1 | 25.6 |
| Weekly Operating Hours | | | | | | |
| Fewer than 40 | 119.0 | 146.8 | 109.4 | 119.0 | 146.8 | 0.0 |
| 40 to 48 | 64.9 | 67.3 | 67.0 | 64.2 | 69.2 | 35.3 |
| 49 to 60 | 24.9 | 35.4 | 30.2 | 46.2 | 42.6 | 33.9 |
| 61 to 84 | 48.2 | 27.6 | 38.9 | 56.5 | 35.5 | 37.1 |
| 85 to 167 | 30.5 | 29.5 | 51.8 | 49.9 | 49.3 | 42.9 |
| Open Continuously | 42.4 | 31.2 | 32.1 | 51.6 | 46.5 | 34.9 |
| Ownership and Occupancy | | | | | | |
| Nongovernment Owned | 32.5 | 27.2 | 27.3 | 41.7 | 37.7 | 27.1 |
| Owner Occupied | 40.5 | 36.4 | 35.8 | 50.0 | 47.3 | 33.8 |
| Nonowner Occupied | 50.0 | 28.0 | 29.4 | 65.2 | 34.1 | 30.3 |
| Unoccupied | X | X | 0.0 | X | X | X |
| Government Owned | 24.6 | 24.9 | 39.9 | 47.9 | 42.1 | 42.4 |
| Federal | 62.7 | 56.8 | 54.8 | 71.4 | 55.4 | 48.8 |
| State | 22.6 | 23.4 | 45.5 | 57.1 | 54.2 | 56.2 |
| Local | 96.8 | 94.3 | 110.5 | 79.6 | 72.8 | 236.3 |
| Vacancy Status | | | | | | |
| Completely Vacant | 171.7 | 295.9 | 0.0 | 171.7 | 295.9 | 0.0 |
| Mostly Vacant | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Partially Vacant | 42.7 | 35.6 | 38.0 | 43.0 | 37.5 | 46.6 |
| Not At All Vacant | 20.5 | 20.6 | 36.7 | 46.3 | 45.6 | 30.6 |
| Number of Establishments | | | | | | |
| One | 25.9 | 24.3 | 24.5 | 41.4 | 39.2 | 39.1 |
| 2 to 5 | 36.3 | 38.2 | 39.0 | 69.5 | 68.6 | 36.5 |
| 6 to 10 | 159.6 | 72.5 | 85.6 | 156.3 | 67.2 | 53.1 |
| 11 to 20 | 57.9 | 56.5 | 91.5 | 59.3 | 40.2 | 28.8 |
| More than 20 | 38.1 | 37.8 | 36.1 | 48.1 | 37.5 | 30.1 |
| Currently Unoccupied | 171.7 | 295.9 | 0.0 | 171.7 | 295.9 | 0.0 |

RSEs for Table C38. District Heat Consumption and Expenditure Intensities for Non-Mall Buildings, 2003

| | RSEs for District Heat Consumption | | | RSEs for District Heat Expenditures | | |
|---|------------------------------------|-----------------|------------|-------------------------------------|-----------------|---------------------|
| | per Building | per Square Foot | per Worker | per Building | per Square Foot | per Thousand Pounds |
| All Buildings* | 19.7 | 19.2 | 30.2 | 33.7 | 32.0 | 25.8 |
| Predominant Exterior | | | | | | |
| Wall Material | | | | | | |
| Brick, Stone or Stucco | 23.1 | 24.9 | 24.1 | 46.5 | 46.2 | 31.7 |
| Concrete (Block or Poured) | 43.9 | 28.7 | 35.7 | 59.0 | 46.6 | 41.2 |
| Concrete Panels | 51.0 | 51.8 | 59.9 | 64.6 | 60.5 | 49.2 |
| Siding or Shingles | 0.0 | 0.0 | 0.0 | X | X | X |
| Metal Panels | 98.7 | 29.9 | 36.1 | 90.9 | 46.1 | 72.3 |
| Window Glass | 66.2 | 46.0 | 51.0 | 91.8 | 59.2 | 42.1 |
| Other | 96.1 | 80.5 | 117.6 | 82.5 | 74.9 | 84.9 |
| No One Major Type | X | X | X | X | X | X |
| Predominant Roof Material | | | | | | |
| Built-Up | 22.4 | 22.1 | 23.8 | 46.6 | 43.0 | 27.6 |
| Shingles (Not Wood) | 74.5 | 59.6 | 59.2 | 44.2 | 40.0 | 47.2 |
| Metal Surfacing | 100.6 | 100.0 | 106.8 | X | X | X |
| Synthetic or Rubber | 40.6 | 35.0 | 52.2 | 52.2 | 50.6 | 56.5 |
| Slate or Tile | 67.1 | 28.0 | 27.8 | 113.5 | 58.5 | 52.2 |
| Wooden Materials | X | X | X | X | X | X |
| Concrete | 113.9 | 104.1 | 124.7 | 119.5 | 112.8 | 1926.6 |
| Other | 2958.5 | 1278.9 | 461.3 | 2957.8 | 1278.3 | 178.2 |
| No One Major Type | 84.2 | 71.7 | 63.1 | 75.1 | 53.3 | 77.0 |
| Renovations in Buildings | | | | | | |
| Constructed Before 1980 | | | | | | |
| (more than one may apply) | | | | | | |
| Any Type of Renovation | | | | | | |
| Since 1980 | 32.9 | 19.8 | 23.9 | 41.3 | 29.6 | 34.0 |
| Addition or Annex | 51.4 | 42.1 | 44.0 | 61.8 | 41.1 | 42.8 |
| Reduction In Floorspace | 136.7 | 101.1 | 119.3 | 136.7 | 101.1 | 0.0 |
| Cosmetic Improvements | 32.4 | 23.0 | 27.9 | 41.4 | 33.7 | 41.4 |
| Wall or Roof Replacement | 62.9 | 29.3 | 31.2 | 69.7 | 43.0 | 56.3 |
| Interior Wall | | | | | | |
| Re-Configuration | 35.3 | 23.7 | 30.9 | 40.5 | 36.7 | 44.8 |
| HVAC Equipment Upgrade | 35.7 | 19.5 | 23.7 | 43.4 | 30.6 | 37.4 |
| Lighting Upgrade | 37.5 | 23.2 | 28.8 | 46.3 | 34.1 | 40.6 |
| Window Replacement | 91.8 | 26.7 | 35.3 | 90.3 | 35.4 | 54.2 |
| Plumbing System Upgrade | 68.7 | 22.2 | 25.8 | 71.9 | 35.6 | 47.0 |
| Insulation Upgrade | 62.5 | 41.5 | 44.4 | 53.3 | 54.8 | 77.2 |
| Other Renovation | 60.5 | 92.8 | 229.9 | 57.1 | 42.0 | 178.8 |
| No Renovations Since 1980 | 29.8 | 34.4 | 32.0 | 63.9 | 65.2 | 36.8 |
| Building Newer than 1980 | 41.2 | 38.4 | 51.7 | 41.3 | 36.3 | 39.6 |
| Energy Sources (more than one may apply) | | | | | | |
| Electricity | 20.5 | 19.0 | 33.8 | 28.0 | 24.4 | 26.3 |
| Natural Gas | 53.3 | 31.3 | 33.9 | 56.0 | 41.6 | 49.7 |
| Fuel Oil | 36.7 | 31.7 | 31.1 | 43.6 | 28.8 | 31.8 |
| District Heat | 19.7 | 19.2 | 30.2 | 33.7 | 32.0 | 25.8 |
| District Chilled Water | 29.0 | 26.9 | 42.9 | 60.4 | 60.9 | 39.8 |
| Propane | 105.9 | 86.6 | 71.1 | 110.2 | 93.8 | 95.3 |
| Other | 38.2 | 14.9 | 26.5 | 109.4 | 87.9 | 97.0 |

RSEs for Table C38. District Heat Consumption and Expenditure Intensities for Non-Mall Buildings, 2003

| | RSEs for District Heat Consumption | | | RSEs for District Heat Expenditures | | |
|--|------------------------------------|-----------------|------------|-------------------------------------|-----------------|---------------------|
| | per Building | per Square Foot | per Worker | per Building | per Square Foot | per Thousand Pounds |
| All Buildings* | 19.7 | 19.2 | 30.2 | 33.7 | 32.0 | 25.8 |
| Space-Heating Energy Sources | | | | | | |
| District Heat | 19.8 | 19.4 | 30.7 | 33.6 | 32.0 | 25.8 |
| District Heat Main | 20.4 | 20.3 | 31.4 | 35.1 | 33.5 | 27.0 |
| District Heat Secondary | 67.1 | 48.9 | 65.6 | 69.0 | 45.2 | 41.9 |
| Other Excluding District Heat | X | X | X | X | X | X |
| Buildings without Heating | 44.7 | 78.4 | 88.2 | X | X | X |
| Primary Space-Heating Energy Source | | | | | | |
| Electricity | 162.5 | 86.8 | 127.6 | 159.6 | 81.1 | 18.1 |
| Natural Gas | 77.9 | 59.5 | 77.3 | 113.9 | 65.2 | 51.5 |
| Fuel Oil..... | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| District Heat | 20.4 | 20.3 | 31.4 | 35.1 | 33.5 | 27.0 |
| Propane..... | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Other..... | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cooling Energy Sources | | | | | | |
| District Heat | 31.2 | 31.8 | 44.7 | 34.6 | 21.4 | 34.9 |
| Other Excluding District Heat | 20.3 | 19.6 | 32.6 | 38.2 | 36.1 | 29.8 |
| Buildings without Cooling | 67.7 | 73.6 | 39.7 | 103.6 | 106.3 | 116.1 |
| Water-Heating Energy Sources | | | | | | |
| District Heat | 23.6 | 17.4 | 19.0 | 35.6 | 23.9 | 24.3 |
| Other Excluding District Heat | 45.4 | 44.1 | 57.0 | 59.2 | 57.1 | 39.6 |
| Bldgs without Water Heating | 72.0 | 74.5 | 1025.9 | 102.0 | 103.9 | 93.6 |
| Cooking Energy Sources | | | | | | |
| District Heat | 46.0 | 37.5 | 41.5 | 46.6 | 31.7 | 43.2 |
| Other Excluding District Heat | 77.2 | 42.6 | 44.3 | 74.4 | 34.1 | 38.1 |
| Buildings without Cooking | 21.5 | 22.8 | 38.5 | 42.2 | 41.8 | 31.3 |
| Energy End Uses (more than one may apply) | | | | | | |
| Buildings with Space Heating | 19.8 | 19.3 | 30.3 | 33.7 | 32.0 | 25.8 |
| Buildings with Cooling | 19.9 | 17.8 | 30.4 | 33.7 | 30.8 | 25.7 |
| Buildings with Water Heating | 20.1 | 18.1 | 30.9 | 33.8 | 31.0 | 26.0 |
| Buildings with Cooking | 55.8 | 29.5 | 32.5 | 58.2 | 28.0 | 33.2 |
| Buildings with Manufacturing | 37.7 | 46.2 | 69.3 | 64.9 | 40.1 | 48.2 |
| Buildings with Electricity Generation | 29.7 | 26.8 | 29.2 | 45.3 | 43.5 | 26.3 |
| Percent of Floorspace Heated | | | | | | |
| Not Heated | 44.7 | 78.4 | 88.2 | X | X | X |
| 1 to 50 | 944.4 | 108.0 | 52.4 | 944.4 | 108.0 | 0.0 |
| 51 to 99 | 53.2 | 41.4 | 43.7 | 55.9 | 29.5 | 49.3 |
| 100 | 21.3 | 21.3 | 33.0 | 37.7 | 36.6 | 28.5 |

RSEs for Table C38. District Heat Consumption and Expenditure Intensities for Non-Mall Buildings, 2003

| | RSEs for District Heat Consumption | | | RSEs for District Heat Expenditures | | |
|--|------------------------------------|-----------------|------------|-------------------------------------|-----------------|---------------------|
| | per Building | per Square Foot | per Worker | per Building | per Square Foot | per Thousand Pounds |
| All Buildings* | 19.7 | 19.2 | 30.2 | 33.7 | 32.0 | 25.8 |
| Heating Equipment (more than one may apply) | | | | | | |
| Heat Pumps | 69.6 | 71.7 | 77.5 | 67.9 | 72.2 | 8.9 |
| Packaged Heat Pumps | 90.5 | 50.5 | 63.9 | 89.9 | 49.8 | 2.3 |
| Split-System Heat Pumps | 28.0 | 76.5 | 89.3 | 29.0 | 77.7 | 1.2 |
| Individual Room Heat Pumps | 78.0 | 68.4 | 70.3 | 47.0 | 45.8 | 53.3 |
| Furnaces | 48.0 | 27.0 | 61.8 | 47.3 | 60.7 | 61.7 |
| Individual Space Heaters | 34.8 | 19.9 | 32.0 | 64.0 | 52.8 | 70.3 |
| District Heat | 19.7 | 19.4 | 30.9 | 33.6 | 32.0 | 25.8 |
| Boilers | 102.8 | 95.6 | 99.6 | 84.8 | 69.3 | 386.5 |
| Packaged Heating Units | 49.3 | 48.9 | 51.6 | 54.3 | 58.4 | 32.3 |
| Other | 65.2 | 69.5 | 60.4 | 65.7 | 65.0 | 36.8 |
| Water Heating Equipment | | | | | | |
| Centralized System | 21.0 | 16.2 | 19.3 | 36.0 | 27.7 | 24.8 |
| Distributed System | 62.2 | 66.0 | 72.5 | 99.2 | 94.3 | 33.1 |
| Combination of Centralized and Distributed System | 41.9 | 35.4 | 50.4 | 39.4 | 35.7 | 43.4 |
| Energy-Related Space Functions (more than one may apply) | | | | | | |
| Commercial Food Preparation | 55.8 | 29.5 | 32.5 | 58.2 | 28.0 | 33.2 |
| Activities with Large Amounts of Hot Water | 33.3 | 27.2 | 31.2 | 46.2 | 40.6 | 45.0 |
| Separate Computer Area | 22.9 | 20.5 | 22.3 | 37.0 | 34.8 | 28.2 |
| HVAC Conservation Features (more than one may apply) | | | | | | |
| Variable Air-Volume System | 29.3 | 23.9 | 37.9 | 40.3 | 37.3 | 29.4 |
| Economizer Cycle | 24.2 | 21.8 | 37.5 | 38.7 | 36.9 | 29.5 |
| HVAC Maintenance | 19.7 | 19.4 | 30.5 | 33.5 | 32.1 | 25.8 |
| Energy Management and Control System (EMCS) | 27.0 | 23.3 | 24.0 | 40.8 | 39.3 | 30.9 |
| Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^a | | | | | | |
| Heating | 28.8 | 23.0 | 25.2 | 42.1 | 38.8 | 28.5 |
| Cooling | 28.3 | 22.9 | 36.7 | 40.6 | 37.7 | 29.5 |
| Lighting | 21.6 | 22.4 | 36.1 | 33.5 | 30.4 | 24.7 |
| Office Equipment | 42.7 | 44.8 | 43.8 | 74.0 | 72.9 | 50.4 |

X=No cases in the responding sample reported their consumption for the particular fuel, so relative standard error could not be calculated.