

Table C5A. Consumption and Gross Energy Intensity by Census Region for Sum of Major Fuels for All Buildings, 2003

| | Sum of Major Fuel Consumption (trillion Btu) | | | | Total Floorspace of Buildings (million square feet) | | | | Energy Intensity for Sum of Major Fuels (thousand Btu/square foot) | | | |
|------------------------------------------|----------------------------------------------|----------|-------|-------|-----------------------------------------------------|----------|--------|--------|--------------------------------------------------------------------|----------|-------|-------|
| | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west | South | West |
| All Buildings | 1,396 | 1,799 | 2,265 | 1,063 | 13,995 | 18,103 | 26,739 | 12,820 | 99.8 | 99.4 | 84.7 | 82.9 |
| Building Floorspace (Square Feet) | | | | | | | | | | | | |
| 1,001 to 5,000 | 123 | 207 | 248 | 108 | 1,059 | 1,908 | 2,618 | 1,337 | 116.4 | 108.3 | 94.7 | 80.6 |
| 5,001 to 10,000 | 107 | 128 | 204 | 123 | 1,169 | 1,676 | 2,844 | 1,343 | 91.9 | 76.5 | 71.7 | 91.6 |
| 10,001 to 25,000 | 166 | 258 | 295 | 180 | 2,122 | 3,317 | 4,859 | 2,361 | 78.3 | 77.7 | 60.7 | 76.1 |
| 25,001 to 50,000 | 117 | 261 | 236 | 127 | 1,388 | 2,712 | 3,474 | 1,808 | 84.6 | 96.3 | 67.9 | 70.3 |
| 50,001 to 100,000 | 234 | 225 | 326 | 127 | 2,272 | 2,376 | 4,059 | 1,584 | 103.2 | 94.9 | 80.3 | 80.2 |
| 100,001 to 200,000 | 224 | 273 | 449 | 118 | 2,238 | 2,486 | 4,140 | 1,353 | 100.3 | 109.7 | 108.4 | 87.5 |
| 200,001 to 500,000 | 189 | 252 | 207 | 103 | 1,781 | 2,288 | 2,109 | 1,316 | 106.3 | 110.0 | 98.3 | 78.3 |
| Over 500,000 | Q | 195 | 300 | 177 | 1,967 | 1,341 | 2,635 | 1,717 | Q | 145.4 | 113.8 | 103.0 |
| Principal Building Activity | | | | | | | | | | | | |
| Education | 171 | 219 | 301 | 129 | 1,683 | 2,541 | 3,983 | 1,667 | 101.6 | 86.3 | 75.5 | 77.6 |
| Food Sales | Q | 70 | 91 | Q | 238 | 320 | 487 | Q | Q | 219.1 | 187.7 | Q |
| Food Service | Q | 99 | 217 | 65 | 172 | 453 | 764 | 265 | Q | 218.8 | 283.4 | 243.8 |
| Health Care | 114 | 164 | 217 | 99 | 535 | 798 | 1,277 | 553 | 212.2 | 205.6 | 169.8 | 179.6 |
| Inpatient | Q | 119 | 190 | 67 | 358 | 438 | 838 | 270 | Q | 272.2 | 226.7 | 246.8 |
| Outpatient | Q | 45 | 27 | 33 | 177 | 359 | 438 | 283 | Q | 124.4 | 60.9 | 115.3 |
| Lodging | 108 | 125 | 164 | 113 | 1,171 | 1,144 | 1,694 | 1,087 | Q | 109.0 | 96.9 | 103.7 |
| Mercantile | 166 | 200 | 443 | 213 | 1,720 | 1,904 | 5,094 | 2,473 | 96.5 | 104.8 | 87.0 | 86.0 |
| Retail (Other Than Mall) | 41 | 90 | 127 | 61 | 630 | 880 | 1,844 | 963 | 65.0 | 102.7 | 68.7 | 63.2 |
| Enclosed and Strip Malls | 125 | 109 | 316 | 152 | 1,090 | 1,024 | 3,251 | 1,511 | Q | 106.6 | 97.3 | 100.6 |
| Office | 305 | 325 | 329 | 175 | 3,012 | 2,989 | 3,782 | 2,425 | 101.2 | 108.8 | 87.0 | 72.1 |
| Public Assembly | 93 | 103 | 109 | 64 | 1,048 | 1,012 | 1,174 | 706 | Q | 101.7 | 93.2 | 91.2 |
| Public Order and Safety | Q | Q | Q | Q | 362 | 221 | 373 | Q | Q | Q | Q | Q |
| Religious Worship | 33 | 59 | 57 | 14 | 627 | 1,115 | 1,498 | 515 | 52.1 | 52.8 | 38.3 | 27.6 |
| Service | 59 | 110 | 90 | 53 | 740 | 1,289 | 1,358 | 664 | 79.8 | 85.0 | 66.3 | 80.0 |
| Warehouse and Storage | 63 | 225 | 106 | 61 | 1,523 | 3,017 | 3,966 | 1,572 | 41.6 | 74.7 | 26.7 | 39.0 |
| Other | Q | Q | Q | Q | 649 | 316 | Q | 186 | Q | Q | Q | Q |
| Vacant | Q | Q | Q | Q | 517 | 984 | 701 | Q | Q | Q | Q | Q |
| Year Constructed | | | | | | | | | | | | |
| Before 1920 | 115 | 123 | 42 | Q | 1,412 | 1,552 | 525 | 295 | 81.4 | 79.4 | 79.3 | Q |
| 1920 to 1945 | 229 | 262 | 80 | 61 | 2,578 | 2,099 | 1,365 | 942 | 88.8 | 124.6 | 58.4 | 64.6 |
| 1946 to 1959 | 195 | 173 | 144 | 75 | 2,149 | 2,093 | 1,874 | 1,146 | 90.7 | 82.9 | 76.9 | 65.7 |
| 1960 to 1969 | 225 | 222 | 217 | 127 | 1,858 | 2,434 | 2,689 | 1,660 | 121.2 | 91.4 | 80.5 | 76.2 |
| 1970 to 1979 | 219 | 360 | 377 | 235 | 1,916 | 3,543 | 4,410 | 2,407 | 114.5 | 101.6 | 85.5 | 97.5 |
| 1980 to 1989 | 177 | 246 | 563 | 260 | 1,675 | 2,221 | 5,834 | 2,738 | 105.8 | 110.9 | 96.5 | 94.9 |
| 1990 to 1999 | 137 | 301 | 619 | 204 | 1,544 | 2,888 | 7,202 | 2,347 | 88.5 | 104.2 | 86.0 | 87.1 |
| 2000 to 2003 | Q | 111 | 223 | 78 | 863 | 1,274 | 2,840 | 1,286 | Q | 86.9 | 78.6 | 60.7 |
| Climate Zone: 30-Year Average | | | | | | | | | | | | |
| Under 2,000 CDD and -- | | | | | | | | | | | | |
| More than 7,000 HDD | 211 | 573 | N | 302 | 2,567 | 5,910 | N | 3,052 | 82.2 | 97.0 | N | 99.0 |
| 5,500-7,000 HDD | 597 | 1,112 | N | 219 | 5,989 | 10,584 | N | 2,234 | 99.8 | 105.1 | N | 98.2 |
| 4,000-5,499 HDD | 588 | 114 | 472 | Q | 5,440 | 1,609 | 4,736 | 718 | 108.0 | 70.5 | 99.7 | 96.4 |
| Fewer than 4,000 HDD | N | N | 997 | 389 | N | N | 11,506 | 6,125 | N | N | 86.6 | 63.5 |
| 2,000 CDD or More and -- | | | | | | | | | | | | |
| Fewer than 4,000 HDD | N | N | 796 | 84 | N | N | 10,497 | 692 | N | N | 75.8 | 121.0 |

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| | Sum of Major Fuel Consumption (trillion Btu) | | | | Total Floorspace of Buildings (million square feet) | | | | Energy Intensity for Sum of Major Fuels (thousand Btu/square foot) | | | |
|--------------------------------------------------|-------------------------------------------------|----------|-------|-------|--------------------------------------------------------|----------|--------|--------|-----------------------------------------------------------------------|----------|-------|-------|
| | North-east | Mid-west | South | West | North-east | Mid-west | South | West | North-east | Mid-west | South | West |
| All Buildings | 1,396 | 1,799 | 2,265 | 1,063 | 13,995 | 18,103 | 26,739 | 12,820 | 99.8 | 99.4 | 84.7 | 82.9 |
| Number of Establishments | | | | | | | | | | | | |
| One | 841 | 1,262 | 1,374 | 689 | 8,061 | 12,359 | 16,947 | 7,776 | 104.4 | 102.1 | 81.1 | 88.6 |
| 2 to 5 | 280 | 326 | 393 | 162 | 2,802 | 3,116 | 4,493 | 2,155 | 99.9 | 104.7 | 87.6 | 75.0 |
| 6 to 10 | 92 | 81 | 149 | 57 | 792 | 730 | 1,212 | 624 | 116.5 | 110.3 | 122.7 | 90.8 |
| 11 to 20 | Q | 63 | 144 | 49 | 884 | 552 | 1,342 | 591 | Q | 114.2 | 107.3 | 83.1 |
| More than 20 | Q | Q | 197 | 104 | 1,118 | 453 | 2,094 | 1,396 | Q | Q | 94.1 | 74.7 |
| Currently Unoccupied | Q | Q | Q | Q | Q | 892 | 652 | Q | Q | Q | Q | Q |
| Energy Sources (more than one may apply) | | | | | | | | | | | | |
| Electricity | 1,396 | 1,798 | 2,265 | 1,063 | 13,899 | 17,725 | 26,017 | 12,541 | 100.4 | 101.5 | 87.0 | 84.8 |
| Natural Gas | 1,110 | 1,485 | 1,600 | 847 | 10,162 | 14,144 | 15,260 | 8,907 | 109.2 | 105.0 | 104.9 | 95.0 |
| Fuel Oil | 678 | 395 | 535 | 259 | 6,464 | 2,909 | 4,663 | 2,230 | 104.8 | 135.9 | 114.7 | 116.1 |
| District Heat | Q | 336 | 324 | Q | 1,496 | 1,648 | 1,766 | 667 | Q | 204.2 | 183.7 | Q |
| Energy End Uses (more than one may apply) | | | | | | | | | | | | |
| Buildings with Space Heating | 1,388 | 1,791 | 2,195 | 996 | 13,675 | 17,355 | 23,999 | 11,417 | 101.5 | 103.2 | 91.5 | 87.2 |
| Buildings with Cooling | 1,291 | 1,618 | 2,238 | 1,002 | 12,016 | 15,474 | 24,723 | 11,347 | 107.4 | 104.5 | 90.5 | 88.3 |
| Buildings with Water Heating | 1,338 | 1,640 | 2,159 | 1,021 | 12,875 | 15,865 | 22,859 | 11,227 | 103.9 | 103.4 | 94.5 | 90.9 |

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

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

N=No responding cases in sample.

Notes: • Statistics for the "Energy End Uses" category represent total consumption in buildings that have the end use, not consumption specifically for that particular end use. • HVAC = Heating, Ventilation, and Air Conditioning. • Due to rounding, data may not sum to totals. Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-871A, C, and E of the 2003 Commercial Buildings Energy Consumption Survey.