Table C10A. Consumption and Gross Energy Intensity by Climate Zone\textsuperscript{a} for All Buildings, 2003

| 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 |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Sum of Major Fuel Consumption (trillion Btu) | 1,086 | 1,929 | 1,243 | 1,386 | 879 | 11,529 | 18,808 | 12,503 | 17,630 | 11,189 |
| Total Floorspace of Buildings (million square feet) | 94.2 | 102.6 | 99.4 | 78.6 | 78.6 |
| Energy Intensity for Sum of Major Fuels (thousand Btu/square foot) | 143 | 187 | 90 | 170 | 95 | 1,313 | 1,709 | 1,010 | 1,915 | 975 |

Building Floorspace (Square Feet)

<table>
<thead>
<tr>
<th>Year Constructed</th>
<th>Zone 1</th>
<th>Zone 2</th>
<th>Zone 3</th>
<th>Zone 4</th>
<th>Zone 5</th>
<th>Zone 1</th>
<th>Zone 2</th>
<th>Zone 3</th>
<th>Zone 4</th>
<th>Zone 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Before 1920</td>
<td>109</td>
<td>99</td>
<td>Q</td>
<td>Q</td>
<td>Q</td>
<td>1,227</td>
<td>1,413</td>
<td>731</td>
<td>290</td>
<td>Q</td>
</tr>
<tr>
<td>1920 to 1945</td>
<td>86</td>
<td>262</td>
<td>199</td>
<td>57</td>
<td>Q</td>
<td>1,089</td>
<td>2,266</td>
<td>1985</td>
<td>1,239</td>
<td>405</td>
</tr>
<tr>
<td>1946 to 1959</td>
<td>86</td>
<td>236</td>
<td>124</td>
<td>114</td>
<td>28</td>
<td>1,093</td>
<td>2,508</td>
<td>1,446</td>
<td>1,663</td>
<td>552</td>
</tr>
<tr>
<td>1960 to 1969</td>
<td>156</td>
<td>254</td>
<td>158</td>
<td>141</td>
<td>81</td>
<td>1,447</td>
<td>2,576</td>
<td>1,576</td>
<td>1,997</td>
<td>1,046</td>
</tr>
<tr>
<td>1970 to 1979</td>
<td>274</td>
<td>344</td>
<td>212</td>
<td>143</td>
<td>173</td>
<td>1,246</td>
<td>2,691</td>
<td>1,942</td>
<td>2,783</td>
<td>1,796</td>
</tr>
<tr>
<td>1980 to 1989</td>
<td>110</td>
<td>343</td>
<td>222</td>
<td>354</td>
<td>217</td>
<td>1,123</td>
<td>2,808</td>
<td>2,110</td>
<td>3,850</td>
<td>2,576</td>
</tr>
<tr>
<td>1990 to 1999</td>
<td>195</td>
<td>266</td>
<td>164</td>
<td>371</td>
<td>264</td>
<td>2,120</td>
<td>2,655</td>
<td>1,764</td>
<td>4,207</td>
<td>3,235</td>
</tr>
<tr>
<td>2000 to 2003</td>
<td>69</td>
<td>124</td>
<td>98</td>
<td>112</td>
<td>108</td>
<td>943</td>
<td>1,322</td>
<td>949</td>
<td>1,601</td>
<td>1,456</td>
</tr>
</tbody>
</table>

Census Region and Division

<table>
<thead>
<tr>
<th>Region</th>
<th>Zone 1</th>
<th>Zone 2</th>
<th>Zone 3</th>
<th>Zone 4</th>
<th>Zone 5</th>
<th>Zone 1</th>
<th>Zone 2</th>
<th>Zone 3</th>
<th>Zone 4</th>
<th>Zone 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Northeast</td>
<td>211</td>
<td>597</td>
<td>588</td>
<td>N</td>
<td>N</td>
<td>2,567</td>
<td>5,989</td>
<td>5,440</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>New England</td>
<td>62</td>
<td>282</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>Q</td>
<td>2,463</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>Middle Atlantic</td>
<td>Q</td>
<td>315</td>
<td>588</td>
<td>N</td>
<td>N</td>
<td>1,577</td>
<td>3,526</td>
<td>5,440</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>Midwest</td>
<td>573</td>
<td>1,112</td>
<td>114</td>
<td>N</td>
<td>N</td>
<td>5,910</td>
<td>10,584</td>
<td>1,609</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>East North Central</td>
<td>333</td>
<td>1,010</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>3,208</td>
<td>9,215</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>West North Central</td>
<td>240</td>
<td>102</td>
<td>114</td>
<td>N</td>
<td>N</td>
<td>2,702</td>
<td>Q</td>
<td>1,609</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>South</td>
<td>N</td>
<td>N</td>
<td>472</td>
<td>997</td>
<td>796</td>
<td>N</td>
<td>N</td>
<td>4,736</td>
<td>11,506</td>
<td>10,497</td>
</tr>
<tr>
<td>South Atlantic</td>
<td>N</td>
<td>N</td>
<td>311</td>
<td>635</td>
<td>296</td>
<td>N</td>
<td>N</td>
<td>3,065</td>
<td>7,126</td>
<td>3,807</td>
</tr>
<tr>
<td>East South Central</td>
<td>N</td>
<td>N</td>
<td>Q</td>
<td>N</td>
<td>Q</td>
<td>N</td>
<td>N</td>
<td>Q</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>West South Central</td>
<td>N</td>
<td>N</td>
<td>Q</td>
<td>195</td>
<td>457</td>
<td>N</td>
<td>N</td>
<td>Q</td>
<td>2,255</td>
<td>6,258</td>
</tr>
<tr>
<td>West</td>
<td>302</td>
<td>219</td>
<td>Q</td>
<td>389</td>
<td>84</td>
<td>3,052</td>
<td>2,234</td>
<td>718</td>
<td>6,125</td>
<td>692</td>
</tr>
<tr>
<td>Mountain</td>
<td>244</td>
<td>136</td>
<td>N</td>
<td>N</td>
<td>65</td>
<td>2,446</td>
<td>1,181</td>
<td>N</td>
<td>N</td>
<td>580</td>
</tr>
<tr>
<td>Pacific</td>
<td>Q</td>
<td>83</td>
<td>389</td>
<td>Q</td>
<td>Q</td>
<td>Q</td>
<td>718</td>
<td>6,125</td>
<td>95</td>
<td>788</td>
</tr>
</tbody>
</table>

Energy Information Administration
2003 Commercial Buildings Energy Consumption Survey: Consumption and Expenditures Tables
## Table C10A. Consumption and Gross Energy Intensity by Climate Zone<sup>a</sup> for All Buildings, 2003

<table>
<thead>
<tr>
<th></th>
<th>Sum of Major Fuel Consumption (trillion Btu)</th>
<th>Total Floorspace of Buildings (million square feet)</th>
<th>Energy Intensity for Sum of Major Fuels (thousand Btu/square foot)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Zone 1</td>
<td>Zone 2</td>
<td>Zone 3</td>
</tr>
<tr>
<td>All Buildings</td>
<td>1,086</td>
<td>1,929</td>
<td>1,243</td>
</tr>
<tr>
<td>Number of Establishments</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One</td>
<td>696</td>
<td>1,333</td>
<td>777</td>
</tr>
<tr>
<td>2 to 5</td>
<td>252</td>
<td>321</td>
<td>196</td>
</tr>
<tr>
<td>6 to 10</td>
<td>57</td>
<td>117</td>
<td>60</td>
</tr>
<tr>
<td>11 to 20</td>
<td>Q</td>
<td>80</td>
<td>64</td>
</tr>
<tr>
<td>More than 20</td>
<td>Q</td>
<td>Q</td>
<td>Q</td>
</tr>
<tr>
<td>Currently Unoccupied</td>
<td>Q</td>
<td>Q</td>
<td>Q</td>
</tr>
</tbody>
</table>

### Energy Sources (more than one may apply)
- **Electricity**: 1,086, 1,929, 1,243, 1,386, 879, 11,300, 18,549, 12,374, 17,064, 10,894, 96.1, 104.0, 100.4, 85.2, 80.7
- **Natural Gas**: 893, 1,551, 990, 1,054, 555, 8,486, 14,122, 8,970, 11,796, 5,098, 105.2, 109.8, 110.3, 89.3, 108.9
- **Fuel Oil**: 303, 529, 539, 284, 212, 2,624, 4,285, 4,950, 2,528, 1,878, 115.6, 123.4, 108.8, 112.3, 112.9
- **District Heat**: Q, Q, 228, Q, 825, 1,917, 1,349, 1,025, 460, Q, Q, 168.7, Q

### Energy End Uses (more than one may apply)
- **Buildings with Space Heating**: 1,081, 1,917, 1,236, 1,330, 806, 10,996, 18,181, 12,238, 15,705, 9,325, 98.3, 105.5, 101.0, 84.7, 86.4
- **Buildings with Cooling**: 1,001, 1,717, 1,210, 1,348, 873, 9,438, 15,947, 11,906, 15,798, 10,472, 106.1, 107.7, 101.7, 85.3, 83.4
- **Buildings with Water Heating**: 1,058, 1,731, 1,223, 1,325, 821, 10,335, 16,526, 11,765, 14,976, 9,225, 102.4, 104.8, 103.9, 88.5, 89.0

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See “Guide to the Tables” or “Glossary” for further explanations of the terms used in this table. Both can be accessed from the CBECS website [http://www.eia.doe.gov/emeu/cbecs](http://www.eia.doe.gov/emeu/cbecs).

<sup>a</sup> Climate zone (30-year average) definitions: Zone 1 = Under 2,000 CDD and more than 7,000 HDD; Zone 2 = Under 2,000 CDD and 5,500-7,000 HDD; Zone 3 = Under 2,000 CDD and 4,000-5,499 HDD; Zone 4 = Under 2,000 CDD and fewer than 4,000 HDD; Zone 5 = 2,000 CDD or more and fewer than 4,000 HDD. (See “Glossary” for definitions of CDD and HDD.)

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