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

<table>
<thead>
<tr>
<th></th>
<th>New England</th>
<th>Middle Atlantic</th>
<th>East North Central</th>
<th>New England</th>
<th>Middle Atlantic</th>
<th>East North Central</th>
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<td><strong>Building Floorspace (Square Feet)</strong></td>
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<tr>
<td>1,001 to 5,000</td>
<td>33</td>
<td>85</td>
<td>146</td>
<td>360</td>
<td>666</td>
<td>974</td>
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<td>5,001 to 10,000</td>
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<td>64</td>
<td>73</td>
<td>359</td>
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<td>843</td>
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<td>10,001 to 25,000</td>
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<td>74</td>
<td>140</td>
<td>347</td>
<td>944</td>
<td>1,618</td>
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<tr>
<td>50,001 to 100,000</td>
<td>Q</td>
<td>134</td>
<td>148</td>
<td>516</td>
<td>1,524</td>
<td>1,618</td>
</tr>
<tr>
<td>100,001 to 200,000</td>
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<td>150</td>
<td>203</td>
<td>414</td>
<td>1,703</td>
<td>1,682</td>
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<tr>
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<td>214</td>
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<td>Q</td>
<td>Q</td>
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<td>143</td>
<td>175</td>
<td>Q</td>
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<td>Q</td>
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<td>Food Service</td>
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<td>Q</td>
<td>Q</td>
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<td>122</td>
<td>Q</td>
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<td>Q</td>
<td>Q</td>
<td>Q</td>
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<td>Q</td>
<td>Q</td>
<td>Q</td>
<td>Q</td>
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<td>Q</td>
<td>70</td>
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<td>59</td>
<td>Q</td>
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<td>80</td>
<td>Q</td>
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<td>Q</td>
<td>Q</td>
<td>Q</td>
<td>Q</td>
<td>Q</td>
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<td>41</td>
<td>Q</td>
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<td>78</td>
<td>Q</td>
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<td>775</td>
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<td>Q</td>
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<td>Q</td>
<td>Q</td>
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<td>Q</td>
<td>Q</td>
<td>Q</td>
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<td>Before 1920</td>
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<td>76</td>
<td>84</td>
<td>444</td>
<td>962</td>
<td>999</td>
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<tr>
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<td>216</td>
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<td>1,603</td>
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<td>125</td>
<td>Q</td>
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<td>Q</td>
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<td>Under 2,000 CDD and --</td>
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<td>2,000 CDD or More and --</td>
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<td>N</td>
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Energy Information Administration
2003 Commercial Buildings Energy Consumption Survey: Consumption and Expenditures Tables

*All Buildings includes all building types.

Released: Dec 2006
Next CBECS will be conducted in 2007
Table C7. Consumption and Gross Energy Intensity by Census Division for Sum of Major Fuels for Non-Mall Buildings, 2003: Part 1

<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>New England</td>
<td>Middle Atlantic</td>
<td>East North Central</td>
</tr>
<tr>
<td>All Buildings*</td>
<td>294 978 1,254</td>
<td>2,964 9,941 11,595</td>
<td>99.0 98.3 108.1</td>
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<td>Q 102 122 224</td>
<td>Q 102.2 94.3</td>
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<tr>
<td>Two to Five</td>
<td>Q 219 270</td>
<td>Q 168 210</td>
<td>Q 97.3 131.3</td>
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<tr>
<td>Six or More</td>
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<td>Q 494</td>
<td>Q 160.4</td>
</tr>
<tr>
<td>Any Escalators</td>
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<td>Q Q Q Q</td>
<td>Q</td>
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<td>Q 100.7</td>
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<td>Q Q Q Q</td>
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<td>Q 725 1,600</td>
<td>Q 38.3 40.4</td>
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<td>49 to 60</td>
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<td>61 to 84</td>
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<td>Q 150.0</td>
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<td>94.2 96.0 99.7</td>
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<td>95.2 99.5 106.7</td>
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<td>95.4 97.2 107.0</td>
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<td>Q Q Q</td>
<td>Q</td>
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<td>Q Q Q</td>
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<td>Q Q Q 386 536</td>
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<td>Q Q Q 756</td>
<td>Q Q Q</td>
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<td>Q Q Q</td>
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<td>111.2 102.4 114.5</td>
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<td>83.1 101.7 110.5</td>
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<td>Q Q Q</td>
<td>Q Q Q</td>
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<td>Q Q Q</td>
<td>Q Q Q</td>
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Energy Information Administration
2003 Commercial Buildings Energy Consumption Survey: Consumption and Expenditures Tables
Table C7. Consumption and Gross Energy Intensity by Census Division for Sum of Major Fuels for Non-Mall Buildings, 2003: Part 1

<table>
<thead>
<tr>
<th>Predominant Exterior Wall Material</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>New England</td>
<td>Middle Atlantic</td>
<td>East North Central</td>
</tr>
<tr>
<td>All Buildings*</td>
<td>294</td>
<td>978</td>
<td>1,254</td>
</tr>
<tr>
<td>Predominant Exterior Roof Material</td>
<td></td>
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</tr>
<tr>
<td>Brick, Stone or Stucco</td>
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<tr>
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<td>Predominant Roof Material</td>
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<td>Other</td>
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<td>Reduction in Floorspace</td>
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<td>Q</td>
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<tr>
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<td>810</td>
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<td>147</td>
<td>489</td>
<td>277</td>
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<td>Q</td>
<td>Q</td>
<td>Q</td>
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<tr>
<td>District Chilled Water</td>
<td>Q</td>
<td>Q</td>
<td>Q</td>
</tr>
<tr>
<td>Propane</td>
<td>53</td>
<td>Q</td>
<td>164</td>
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<tr>
<td>Other</td>
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Table C7. Consumption and Gross Energy Intensity by Census Division for Sum of Major Fuels for Non-Mall Buildings, 2003: Part 1

<table>
<thead>
<tr>
<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>
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<tbody>
<tr>
<td>New England</td>
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</tr>
<tr>
<td>All Buildings*</td>
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<td>978</td>
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Space-Heating Energy Sources (more than one may apply)

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<td>Q</td>
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<td>362</td>
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<tr>
<td>Natural Gas</td>
<td>153</td>
<td>625</td>
<td>899</td>
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<td>Fuel Oil</td>
<td>104</td>
<td>254</td>
<td>Q</td>
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<td>District Heat</td>
<td>Q</td>
<td>Q</td>
<td>Q</td>
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<tr>
<td>Propane</td>
<td>Q</td>
<td>Q</td>
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Primary Space-Heating Energy Source

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<td>Q</td>
<td>87</td>
<td>135</td>
</tr>
<tr>
<td>Natural Gas</td>
<td>118</td>
<td>559</td>
<td>824</td>
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<tr>
<td>Fuel Oil</td>
<td>99</td>
<td>141</td>
<td>Q</td>
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<td>District Heat</td>
<td>Q</td>
<td>Q</td>
<td>Q</td>
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<td>Propane</td>
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Cooling Energy Sources (more than one may apply)

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<td>983</td>
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<td>Q</td>
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<td>District Chilled Water</td>
<td>Q</td>
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Water-Heating Energy Sources (more than one may apply)

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<tr>
<td>Electricity</td>
<td>123</td>
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<td>374</td>
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<td>Q</td>
<td>563</td>
<td>709</td>
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<td>Fuel Oil</td>
<td>68</td>
<td>87</td>
<td>Q</td>
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<td>District Heat</td>
<td>Q</td>
<td>Q</td>
<td>Q</td>
</tr>
<tr>
<td>Propane</td>
<td>Q</td>
<td>Q</td>
<td>Q</td>
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<td>Other</td>
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Cooking Energy Sources (more than one may apply)

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<th>East North Central</th>
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</thead>
<tbody>
<tr>
<td>Electricity</td>
<td>Q</td>
<td>258</td>
<td>352</td>
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<tr>
<td>Natural Gas</td>
<td>Q</td>
<td>400</td>
<td>415</td>
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<tr>
<td>Propane</td>
<td>Q</td>
<td>Q</td>
<td>266</td>
</tr>
</tbody>
</table>

Energy End Uses (more than one may apply)

| Buildings with Space Heating   | 292         | 972             | 1,247             |
| Buildings with Cooling         | 254         | 916             | 1,100             |
| Buildings with Water Heating   | 285         | 928             | 1,120             |
| Buildings with Cooking         | 98          | 520             | 564               |
| Buildings with Manufacturing   | Q           | 71              | 44                |
| Generation                    | Q           | 385             | 387               |

Percent of Floorspace Heated

<table>
<thead>
<tr>
<th>% Heated</th>
<th>New England</th>
<th>Middle Atlantic</th>
<th>East North Central</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Heated</td>
<td></td>
<td>Q</td>
<td>Q</td>
</tr>
<tr>
<td>1 to 50</td>
<td>Q</td>
<td>41</td>
<td>45</td>
</tr>
<tr>
<td>51 to 99</td>
<td>Q</td>
<td>116</td>
<td>137</td>
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<tr>
<td>100</td>
<td>242</td>
<td>816</td>
<td>1,065</td>
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Energy Information Administration

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

<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>New England</td>
<td>Middle Atlantic</td>
<td>East North Central</td>
</tr>
<tr>
<td>All Buildings*</td>
<td>294</td>
<td>978</td>
<td>1,254</td>
</tr>
<tr>
<td>Percent of Floorspace Cooled</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Not Cooled</td>
<td>39</td>
<td>62</td>
<td>153</td>
</tr>
<tr>
<td>1 to 50</td>
<td>93</td>
<td>232</td>
<td>236</td>
</tr>
<tr>
<td>51 to 99</td>
<td>Q</td>
<td>286</td>
<td>305</td>
</tr>
<tr>
<td>100</td>
<td>70</td>
<td>398</td>
<td>559</td>
</tr>
<tr>
<td>Percent Lit When Open</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Zero</td>
<td>Q</td>
<td>Q</td>
<td>Q</td>
</tr>
<tr>
<td>1 to 50</td>
<td>44</td>
<td>114</td>
<td>116</td>
</tr>
<tr>
<td>51 to 99</td>
<td>105</td>
<td>321</td>
<td>377</td>
</tr>
<tr>
<td>100</td>
<td>143</td>
<td>535</td>
<td>737</td>
</tr>
<tr>
<td>Building Never Open/ Electricity Not Used</td>
<td>Q</td>
<td>Q</td>
<td>Q</td>
</tr>
<tr>
<td>Percent Lit When Closed</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Zero</td>
<td>43</td>
<td>147</td>
<td>321</td>
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<tr>
<td>1 to 50</td>
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<td>423</td>
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<tr>
<td>51 to 100</td>
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<td>Q</td>
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<td>Building Never Closed/ Electricity Not Used</td>
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<tr>
<td>Heat Pumps</td>
<td>Q</td>
<td>141</td>
<td>68</td>
</tr>
<tr>
<td>Packaged Heat Pumps</td>
<td>Q</td>
<td>Q</td>
<td>49</td>
</tr>
<tr>
<td>Split-System Heat Pumps</td>
<td>Q</td>
<td>Q</td>
<td>Q</td>
</tr>
<tr>
<td>Individual Room Heat Pumps</td>
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<td>Q</td>
<td>Q</td>
</tr>
<tr>
<td>Furnaces</td>
<td>82</td>
<td>193</td>
<td>393</td>
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<tr>
<td>Individual Space Heaters</td>
<td>Q</td>
<td>166</td>
<td>207</td>
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<td>Q</td>
<td>Q</td>
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<td>Boilers</td>
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<td>Other</td>
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<td>Residential-Type Central</td>
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<td></td>
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<tr>
<td>Air Conditioners</td>
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<td>209</td>
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<td>Heat Pumps</td>
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<tr>
<td>Packaged Heat Pumps</td>
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<td>Q</td>
<td>53</td>
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<tr>
<td>Split-System Heat Pumps</td>
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<td>Q</td>
<td>Q</td>
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<tr>
<td>Individual Room Heat Pumps</td>
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<td>Q</td>
<td>Q</td>
</tr>
<tr>
<td>Individual Air Conditioners</td>
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<td>225</td>
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<td>Q</td>
<td>Q</td>
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<td>Central Chillers</td>
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<td>Packaged Air Conditioning</td>
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<td>Units</td>
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<td>Q</td>
<td>Q</td>
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<td>Other</td>
<td>Q</td>
<td>Q</td>
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<tr>
<td>Main Equipment Replaced Since 1990 (more than one may apply)</td>
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<td>234</td>
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<tr>
<td>Cooling</td>
<td>143</td>
<td>392</td>
<td>421</td>
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Energy Information Administration
2003 Commercial Buildings Energy Consumption Survey: Consumption and Expenditures Tables
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<table>
<thead>
<tr>
<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>New England</td>
<td>Middle Atlantic</td>
</tr>
<tr>
<td>All Buildings*</td>
<td>294</td>
<td>978</td>
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<tr>
<td>Water Heating Equipment</td>
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<td>598</td>
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<td>589</td>
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<td>1 to 4</td>
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<td>5 to 9</td>
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<td>10 to 19</td>
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<td>Q</td>
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<td>20 to 49</td>
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Energy Information Administration
2003 Commercial Buildings Energy Consumption Survey: Consumption and Expenditures Tables
Table C7. Consumption and Gross Energy Intensity by Census Division for Sum of Major Fuels for Non-Mall Buildings, 2003: Part 1

| Energy Information Administration | 2003 Commercial Buildings Energy Consumption Survey: Consumption and Expenditures Tables |

<table>
<thead>
<tr>
<th></th>
<th>New England</th>
<th>Middle Atlantic</th>
<th>East North Central</th>
<th>New England</th>
<th>Middle Atlantic</th>
<th>East North Central</th>
<th>New England</th>
<th>Middle Atlantic</th>
<th>East North Central</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sum of Major Fuel Consumption (trillion Btu)</td>
<td>294</td>
<td>978</td>
<td>1,254</td>
<td>2,964</td>
<td>9,941</td>
<td>11,595</td>
<td>99.0</td>
<td>98.3</td>
<td>108.1</td>
</tr>
<tr>
<td>Total Floorspace of Buildings (million square feet)</td>
<td>2,964</td>
<td>9,941</td>
<td>11,595</td>
<td>99.0</td>
<td>98.3</td>
<td>108.1</td>
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<tr>
<td>Energy Intensity for Sum of Major Fuels (thousand Btu/square foot)</td>
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<td>9,941</td>
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</tbody>
</table>

All Buildings* .................................. 294 978 1,254 2,964 9,941 11,595 99.0 98.3 108.1

Number of Photocopiers

None ................................................. 64 156 339 1,095 1,917 3,322 58.3 81.4 102.1
One ................................................... 52 179 242 683 2,344 2,620 76.1 76.5 92.2
2 to 4 ................................................ 89 187 269 643 2,302 2,745 137.9 81.4 98.1
5 to 9 ................................................ Q 129 122 Q 1,250 1,013 Q 103.4 120.9
10 or More ........................................ Q 325 281 276 2,128 1,894 Q 152.9 148.2

Energy-Related Space Functions (more than one may apply)

Commercial Food Preparation .......... 98 520 564 938 4,078 4,378 104.4 127.4 128.7
Activities with Large Amounts of Hot Water ..................... 139 367 490 995 2,927 3,546 139.5 125.4 138.1
Separate Computer Area .................. 158 605 558 1,045 4,880 4,759 151.0 124.0 117.3

HVAC Conservation Features (more than one may apply)

Variable Air-Volume System ............. Q 419 493 592 3,188 3,660 Q 131.5 134.8
Economizer Cycle ............................. 135 452 586 824 3,317 4,350 163.8 136.3 134.6
HVAC Maintenance .......................... 261 899 1,121 2,311 8,736 9,424 112.8 102.9 119.0
Energy Management and Control System (EMCS) ................... Q 350 356 429 2,573 2,835 Q 135.9 125.7

Window and Interior Lighting Features (more than one may apply)

Multipaned Windows ......................... 243 707 919 2,307 7,001 8,023 105.2 101.0 114.6
Tinted Window Glass ........................... Q 495 663 803 4,155 5,393 165.4 119.2 123.0
Reflective Window Glass ...................... Q 159 180 Q 1,436 1,454 Q 110.4 124.1
External Overhangs ........................... Q 237 294 577 2,110 2,537 Q 112.2 115.8
Skylights or Atriums ......................... Q 255 287 476 2,416 2,338 Q 105.4 122.8
Daylighting Sensors .......................... Q Q 89 Q 319 608 Q 146.7
Specular Reflectors ........................... 157 517 741 1,390 4,444 5,813 112.9 116.4 127.5
Electronic Ballasts ........................... 237 765 1,039 2,162 7,125 8,623 109.8 107.4 120.5
Energy Management and Control System (EMCS)      For Lighting ...................................... Q Q 131 Q 758 988 Q Q 133.1
### Table C7. Consumption and Gross Energy Intensity by Census Division for Sum of Major Fuels for Non-Mall Buildings, 2003: Part 1

<table>
<thead>
<tr>
<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>New England</td>
<td>Middle Atlantic</td>
<td>East North Central</td>
</tr>
<tr>
<td>All Buildings*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Heating</td>
<td>165</td>
<td>757</td>
</tr>
<tr>
<td>Cooling</td>
<td>160</td>
<td>723</td>
</tr>
<tr>
<td>Lighting</td>
<td>165</td>
<td>559</td>
</tr>
<tr>
<td>Office Equipment</td>
<td>74</td>
<td>280</td>
</tr>
</tbody>
</table>

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

* Figures in this table do not include enclosed malls and strip malls. Mall buildings add an estimated 213 thousand buildings comprising 6.9 billion square feet. In the 1999 CBECs, malls represented 6.6 percent of total consumption.

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

Q=Data withheld because the Relative Standard Error (RSE) was greater than 50 percent, or fewer than 20 buildings were sampled. N=No responding cases in sample.

Notes: ● 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.