### Table C19. Electricity consumption and conditional energy intensity by Census division (part 3), 2012

<table>
<thead>
<tr>
<th>Total electricity consumption (billion kWh)</th>
<th>Total floorspace of buildings using electricity (million square feet)</th>
<th>Electricity energy intensity (kWh/square foot)</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>West South Central</td>
<td>Mountain</td>
</tr>
<tr>
<td>All buildings</td>
<td>173</td>
<td>67</td>
</tr>
<tr>
<td>Building floorspace (square feet)</td>
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<tr>
<td>1,001 to 5,000</td>
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<td>5,001 to 10,000</td>
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<tr>
<td>Over 500,000</td>
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Table C19. Electricity consumption and conditional energy intensity by Census division (part 3), 2012

<table>
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<tr>
<th>Climate region</th>
<th>Total electricity consumption (billion kWh)</th>
<th>Total floorspace of buildings using electricity (million square feet)</th>
<th>Electricity energy intensity (kWh/square foot)</th>
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<td>South Central</td>
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<td>N</td>
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<td>N N</td>
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<td>N N</td>
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<td>One</td>
<td>96</td>
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<tr>
<td>Two</td>
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<td>Three</td>
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<td>10</td>
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<td>Four to nine</td>
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<td>Two to five</td>
<td>25</td>
<td>10</td>
<td>29</td>
</tr>
<tr>
<td>Six or more</td>
<td>17</td>
<td>Q</td>
<td>23</td>
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<td>Any escalators</td>
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<td>Number of workers (main shift)</td>
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<td>5 to 9</td>
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<td>61 to 84</td>
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<td>85 to 167</td>
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<tr>
<td>Open continuously</td>
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<td>23</td>
<td>43</td>
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Table C19. Electricity consumption and conditional energy intensity by Census division (part 3), 2012

<table>
<thead>
<tr>
<th>Ownership and occupancy</th>
<th>Total electricity consumption (billion kWh)</th>
<th>Total floorspace of buildings using electricity (million square feet)</th>
<th>Electricity energy intensity (kWh/square foot)</th>
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<tbody>
<tr>
<td></td>
<td>West</td>
<td>South</td>
<td>Central</td>
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<td>Leased to tenant(s)</td>
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<td>Owner occupied and leased</td>
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<td>Unoccupied</td>
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<td>Q</td>
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<td>27</td>
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<td>Federal</td>
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<td>Q</td>
<td>Q</td>
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<tr>
<td>State</td>
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<td>5</td>
<td>9</td>
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<tr>
<td>Local</td>
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<td>17</td>
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<tr>
<td>Party responsible for operation and maintenance of energy systems</td>
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<tr>
<td>Building owner</td>
<td>148</td>
<td>57</td>
<td>138</td>
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<tr>
<td>Business owner or tenant</td>
<td>20</td>
<td>10</td>
<td>34</td>
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<tr>
<td>Property management</td>
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<td>Q</td>
<td>Q</td>
</tr>
<tr>
<td>Other</td>
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<td>Q</td>
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<td>Provider of direct input on energy-related equipment purchases</td>
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<td>60</td>
<td>148</td>
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<td>7</td>
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</tr>
<tr>
<td>Property management</td>
<td>Q</td>
<td>Q</td>
<td>Q</td>
</tr>
<tr>
<td>Other</td>
<td>Q</td>
<td>Q</td>
<td>Q</td>
</tr>
<tr>
<td>Number of establishments</td>
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<tr>
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<td>41</td>
<td>110</td>
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<tr>
<td>2 to 5</td>
<td>28</td>
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<tr>
<td>6 to 10</td>
<td>10</td>
<td>Q</td>
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<td>11 to 20</td>
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<td>More than 20</td>
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<tr>
<td>Currently unoccupied</td>
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<td>Q</td>
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<tr>
<td>Predominant exterior wall material</td>
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<td>Brick, stone, or stucco</td>
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<td>31</td>
<td>62</td>
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<tr>
<td>Concrete (block or poured)</td>
<td>40</td>
<td>18</td>
<td>53</td>
</tr>
<tr>
<td>Concrete panels</td>
<td>13</td>
<td>Q</td>
<td>28</td>
</tr>
<tr>
<td>Siding or shingles</td>
<td>6</td>
<td>2</td>
<td>17</td>
</tr>
<tr>
<td>Metal panels</td>
<td>21</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>Window glass</td>
<td>Q</td>
<td>Q</td>
<td>6</td>
</tr>
<tr>
<td>Other</td>
<td>Q</td>
<td>Q</td>
<td>Q</td>
</tr>
<tr>
<td>No one major type</td>
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<td>Q</td>
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Table C19. Electricity consumption and conditional energy intensity by Census division (part 3), 2012

<table>
<thead>
<tr>
<th>Predominant roof material</th>
<th>Total electricity consumption (billion kWh)</th>
<th>Total floorspace of buildings using electricity (million square feet)</th>
<th>Electricity energy intensity (kWh/square foot)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>West</td>
<td>South</td>
<td>Central</td>
</tr>
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<td>Metal surfacing</td>
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<td>19</td>
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<td>Synthetic or rubber</td>
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<td>Built-up</td>
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<td>54</td>
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<td>Slate or tile shingles</td>
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<td>Wooden materials (including shingles)</td>
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<td>Asphalt, fiberglass, or other shingles</td>
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<tr>
<td>Concrete</td>
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</tr>
<tr>
<td>Other</td>
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<td>Q</td>
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<tr>
<td>No one major type</td>
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<table>
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<td>Roof tilt</td>
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<td>118</td>
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<td>19</td>
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<table>
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<th>Renovations in buildings constructed before 2008 (more than one may apply)</th>
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<tr>
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### Table C19. Electricity consumption and conditional energy intensity by Census division (part 3), 2012

<table>
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<th>Energy end uses (more than one may apply)</th>
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<th>Electricity energy intensity (kWh/square foot)</th>
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<tbody>
<tr>
<td></td>
<td>West Central</td>
<td>South Mountain</td>
<td>Pacific Central</td>
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### Table C19. Electricity consumption and conditional energy intensity by Census division (part 3), 2012

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<tr>
<th>Total electricity consumption (billion kWh)</th>
<th>Total floorspace of buildings using electricity (million square feet)</th>
<th>Electricity energy intensity (kWh/square foot)</th>
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<tr>
<td>All buildings</td>
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<td>West Central</td>
<td>South Central</td>
<td>Mountain Pacific</td>
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#### Percent of floorspace heated

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<tr>
<td>1 to 50</td>
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<td>51 to 99</td>
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<tr>
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#### Percent of floorspace cooled

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<td>51 to 99</td>
<td>44</td>
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#### Percent lit when open

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<td>Q</td>
<td>Q</td>
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<tr>
<td>1 to 50</td>
<td>16</td>
<td>5</td>
<td>16</td>
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#### Percent lit during off hours

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<tr>
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<td>51 to 100</td>
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#### Heating equipment (more than one may apply)

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<tr>
<td>Furnaces</td>
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<tr>
<td>Individual space heaters</td>
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<td>District heat</td>
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<td>Boilers</td>
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<td>Packaged heating units</td>
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<td>Other</td>
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#### Cooling equipment (more than one may apply)

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</thead>
<tbody>
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<td>Residential-type central air conditioners</td>
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<td>Individual air conditioners</td>
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<tr>
<td>District chilled water</td>
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<td>Central chillers</td>
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<td>Other</td>
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<td>Q</td>
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<td>Table C19. Electricity consumption and conditional energy intensity by Census division (part 3), 2012</td>
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<tr>
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<td><strong>Total electricity consumption (billion kWh)</strong></td>
<td><strong>Total floorspace of buildings using electricity (million square feet)</strong></td>
<td><strong>Electricity energy intensity (kWh/square foot)</strong></td>
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<td>South</td>
<td>Central</td>
<td>Mountain</td>
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<td>67</td>
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Table C19. Electricity consumption and conditional energy intensity by Census division (part 3), 2012

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<th>Pacific</th>
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<th>South</th>
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<th>Pacific</th>
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<tr>
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<td>176</td>
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<td>4,812</td>
<td>13,180</td>
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<td>22.3</td>
<td>18.2</td>
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Table C19. Electricity consumption and conditional energy intensity by Census division (part 3), 2012

<table>
<thead>
<tr>
<th></th>
<th>Total electricity consumption (billion kWh)</th>
<th>Total floorspace of buildings using electricity (million square feet)</th>
<th>Electricity energy intensity (kWh/square foot)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>West</td>
<td>South</td>
<td>Central</td>
</tr>
<tr>
<td>All buildings</td>
<td>173</td>
<td>67</td>
<td>176</td>
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<tr>
<td><strong>Food preparation or serving areas</strong> in non-food service buildings (more than one may apply)</td>
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<tr>
<td>Snack bar or concession stand</td>
<td>18</td>
<td>16</td>
<td>24</td>
</tr>
<tr>
<td>Fast food or small restaurant</td>
<td>28</td>
<td>20</td>
<td>31</td>
</tr>
<tr>
<td>Cafeteria or large restaurant</td>
<td>26</td>
<td>17</td>
<td>26</td>
</tr>
<tr>
<td>Commercial kitchen/food preparation area</td>
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<td>19</td>
<td>38</td>
</tr>
<tr>
<td>Small kitchen area</td>
<td>23</td>
<td>15</td>
<td>23</td>
</tr>
<tr>
<td><strong>Separate computer areas</strong> (more than one may apply)</td>
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<td></td>
</tr>
<tr>
<td>Data center or server farm</td>
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<td>15</td>
<td>39</td>
</tr>
<tr>
<td>Computer-based training room</td>
<td>41</td>
<td>24</td>
<td>32</td>
</tr>
<tr>
<td>Student or public computer center</td>
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<td>14</td>
<td>22</td>
</tr>
<tr>
<td><strong>HVAC conservation features</strong> (more than one may apply)</td>
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<td></td>
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<tr>
<td>Economizer cycle</td>
<td>55</td>
<td>33</td>
<td>79</td>
</tr>
<tr>
<td>Regular HVAC maintenance</td>
<td>155</td>
<td>59</td>
<td>153</td>
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<tr>
<td>Building automation system (BAS)</td>
<td>87</td>
<td>39</td>
<td>93</td>
</tr>
<tr>
<td><strong>Window and interior lighting features</strong> (more than one may apply)</td>
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<tr>
<td>Multipaned windows</td>
<td>116</td>
<td>51</td>
<td>109</td>
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<tr>
<td>Tinted window glass</td>
<td>115</td>
<td>42</td>
<td>108</td>
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<tr>
<td>Reflective window glass</td>
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<tr>
<td>External overhangs or awnings</td>
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<td>34</td>
<td>82</td>
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<tr>
<td>Skylights or atriums</td>
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<td>21</td>
<td>54</td>
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<tr>
<td>Light scheduling</td>
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<td>27</td>
<td>93</td>
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<tr>
<td>Occupancy sensors</td>
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<td>32</td>
<td>92</td>
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<tr>
<td>Multi-level lighting or dimming</td>
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<td>20</td>
<td>44</td>
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<tr>
<td>Daylight harvesting</td>
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<td>9</td>
<td>19</td>
</tr>
<tr>
<td>Demand responsive lighting</td>
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<td>Q</td>
<td>18</td>
</tr>
<tr>
<td>Building automation system (BAS) for lighting</td>
<td>24</td>
<td>14</td>
<td>43</td>
</tr>
<tr>
<td><strong>Equipment usage reduced when building not in full use</strong> (more than one may apply)</td>
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<td></td>
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<tr>
<td>Heating</td>
<td>119</td>
<td>50</td>
<td>131</td>
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<tr>
<td>Cooling</td>
<td>119</td>
<td>47</td>
<td>132</td>
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<tr>
<td>Lighting</td>
<td>158</td>
<td>62</td>
<td>163</td>
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Table C19. Electricity consumption and conditional energy intensity by Census division (part 3), 2012

<table>
<thead>
<tr>
<th></th>
<th>Total electricity consumption (billion kWh)</th>
<th>Total floorspace of buildings using electricity (million square feet)</th>
<th>Electricity energy intensity (kWh/square foot)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>West Central</td>
<td>South Central</td>
<td>Mountain</td>
</tr>
<tr>
<td>All buildings</td>
<td>173</td>
<td>67</td>
<td>176</td>
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**Annual consumption (kilowatthours)**

<table>
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<th></th>
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<th>South Central</th>
<th>Mountain</th>
<th>Pacific</th>
<th>West Central</th>
<th>South Central</th>
<th>Mountain</th>
<th>Pacific</th>
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<td>8</td>
<td>36</td>
<td>9</td>
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<td>2.0</td>
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<td>10,001 to 50,000</td>
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<td>(4), 10</td>
<td>3</td>
<td>1</td>
<td>7</td>
<td>1</td>
<td>2.0</td>
<td>1.7</td>
</tr>
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<td>50,001 to 100,000</td>
<td>3</td>
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<td>1</td>
<td>7</td>
<td>1</td>
<td>2.0</td>
<td>1.7</td>
</tr>
<tr>
<td>100,001 to 500,000</td>
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<td>23</td>
<td>16</td>
<td>1</td>
<td>7</td>
<td>1</td>
<td>2.0</td>
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<td>500,001 to 1,000,000</td>
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<td>56</td>
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<td>Over 5,000,000</td>
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<td>2.0</td>
<td>1.7</td>
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</table>

1These climate regions were created by the Building America program, sponsored by the U.S. Department of Energy’s Office of Energy Efficiency and Renewable Energy (EERE).
2In earlier CBECS publications, BAS was referred to as Energy Management and Control System (EMCS).
Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 20 buildings were sampled.
N = No cases in reporting sample.
(*) = Value rounds to zero in the units displayed.

Notes: ● Because of rounding, data may not sum to totals. ● See the Guide to the 2012 CBECS Detailed Tables or CBECS Terminology for definitions of terms used in these tables and/or comparison of differences with prior CBECS tables. Both references can be accessed from http://www.eia.gov/consumption/commercial/data/2012/ ● Site electricity is the amount of electricity delivered to commercial buildings. Primary electricity, which is not included in the Total of major fuels category, is site electricity plus the conversion losses in the generation, transmission, and distribution processes. ● 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.