### Table B34. Percent of floorspace heated, number of buildings and floorspace, 2012

<table>
<thead>
<tr>
<th>Number of buildings (thousand)</th>
<th>Total floorspace (million square feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>All buildings</td>
<td></td>
</tr>
<tr>
<td>Not heated</td>
<td>835</td>
</tr>
<tr>
<td>1 to 50 percent heated</td>
<td>697</td>
</tr>
<tr>
<td>51 to 99 percent heated</td>
<td>727</td>
</tr>
<tr>
<td>100 percent heated</td>
<td>3,298</td>
</tr>
<tr>
<td>All buildings</td>
<td></td>
</tr>
<tr>
<td>Not heated</td>
<td>87093</td>
</tr>
<tr>
<td>1 to 50 percent heated</td>
<td>7015</td>
</tr>
<tr>
<td>51 to 99 percent heated</td>
<td>10,130</td>
</tr>
<tr>
<td>100 percent heated</td>
<td>14,650</td>
</tr>
<tr>
<td>All buildings</td>
<td></td>
</tr>
<tr>
<td>Not heated</td>
<td>55298</td>
</tr>
<tr>
<td>1 to 50 percent heated</td>
<td></td>
</tr>
<tr>
<td>51 to 99 percent heated</td>
<td></td>
</tr>
<tr>
<td>100 percent heated</td>
<td></td>
</tr>
</tbody>
</table>

#### Building floorspace (square feet)

| 1,001 to 5,000 | 2,777 | 520 | 301 | 299 | 1,657 | 8,041 | 1,342 | 951 | 914 | 4,833 |
| 5,001 to 10,000 | 1,229 | 183 | 186 | 184 | 676   | 8,900 | 1,310 | 1,387 | 1,338 | 4,866 |
| 10,001 to 25,000 | 884   | 86  | 143 | 135 | 520   | 14,105 | 1,360 | 2,365 | 2,048 | 8,332 |
| 25,001 to 50,000 | 332   | 28  | 36  | 47  | 221   | 11,917 | 1,007 | 1,292 | 1,657 | 7,962 |
| 50,001 to 100,000 | 199   | 12  | 19  | 36  | 133   | 13,918 | 804   | 1,359 | 2,469 | 9,287 |
| 100,001 to 200,000 | 90    | 4   | 8   | 16  | 63    | 12,415 | 474   | 1,146 | 2,163 | 8,632 |
| 200,001 to 500,000 | 38    | Q   | Q   | 4   | 24    | 10,724 | Q     | Q    | 2,202 | 7,015 |
| Over 500,000       | 8     | Q   | 1   | 2   | 5     | 7,074  | Q     | 500  | 1,859 | 4,371 |

#### Principal building activity

| Education          | 389  | Q   | Q   | 56  | 314  | 12,239 | Q   | Q   | 1,699 | 10,178 |
| Food sales         | 177  | Q   | Q   | 46  | 105  | 1,252  | Q   | Q   | 405   | 743    |
| Food service       | 380  | Q   | 37  | 63  | 260  | 1,819  | Q   | 185  | 368   | 1,209  |
| Health care        | 157  | Q   | Q   | 13  | 129  | 4,155  | Q   | Q   | 435   | 3,564  |
| Inpatient          | 10   | Q   | Q   | 8   | 2,374 | Q     | Q   | 269  | 2,069  |
| Outpatient         | 147  | Q   | Q   | 12  | 121  | 1,781  | Q   | Q   | 166   | 1,495  |
| Lodging            | 158  | Q   | Q   | 15  | 128  | 5,826  | Q   | Q   | 938   | 4,572  |
| Mercantile         | 602  | 30  | 73  | 138 | 361  | 11,330 | 536  | 914  | 3,302  | 6,577  |
| Retail (other than mall) | 438 | 27  | 60  | 82  | 270  | 5,439  | 351  | 439  | 1,236  | 3,412  |
| Enclosed and strip malls | 164 | Q   | 13  | 57  | 91   | 5,890  | Q   | 475  | 2,066  | 3,165  |
| Office             | 1,012 | 23  | 73  | 165 | 750  | 15,952 | 198  | 758  | 3,558  | 11,437 |
| Public assembly    | 352  | 22  | 35  | 51  | 244  | 5,559  | 236  | 544  | 996   | 3,783  |
| Public order and safety | 84  | Q   | Q   | Q   | 66   | 1,440  | Q   | Q   | 1,200  |
| Religious worship  | 412  | Q   | 35  | 43  | 330  | 4,557  | Q   | 496  | 710   | 3,305  |
| Service            | 619  | 90  | 109 | 86  | 334  | 4,630  | 474  | 767  | 743   | 2,643  |
| Warehouse and storage | 796 | 375 | 224 | 28  | 168  | 13,077 | 3,091 | 4,737 | 843   | 4,407  |
| Other              | 125  | Q   | 30  | Q   | 61   | 2,002  | Q   | 408  | Q     | 1,038  |
| Vacant             | 296  | 209 | 33  | 37  | 48   | 3,256  | 1,841 | 639  | Q     | 642    |

#### Year constructed

<p>| Before 1920 | 362  | 39  | 65  | 70  | 187  | 3,983  | 400  | 705  | 777  | 2,101  |
| 1920 to 1945 | 488  | 75  | 42  | 74  | 296  | 6,025  | 498  | 507  | 1,314 | 3,706  |
| 1946 to 1959 | 599  | 83  | 81  | 85  | 350  | 7,381  | 486  | 927  | 1,358 | 4,610  |
| 1960 to 1969 | 639  | 80  | 74  | 82  | 403  | 10,362 | 633  | 1,094 | 1,407 | 7,228  |
| 1970 to 1979 | 684  | 85  | 101 | 76  | 421  | 10,846 | 800  | 1,378 | 1,474 | 7,193  |
| 1980 to 1989 | 915  | 161 | 134 | 121 | 500  | 15,230 | 1,507 | 2,091 | 2,991 | 8,641  |
| 1990 to 1999 | 845  | 170 | 101 | 94  | 480  | 13,803 | 1,414 | 1,417 | 2,487 | 8,485  |
| 2000 to 2003 | 375  | 53  | 38  | 47  | 237  | 7,215  | 508  | 741  | 1,164 | 4,803  |
| 2004 to 2007 | 347  | 56  | 31  | 40  | 220  | 6,524  | 552  | 722  | 1,013 | 4,237  |
| 2008 to 2012 | 303  | 33  | 30  | 37  | 203  | 5,723  | 218  | 547  | 664  | 4,294  |</p>
<table>
<thead>
<tr>
<th>Census region and division</th>
<th>Number of buildings (thousand)</th>
<th>Total floorspace (million square feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>All buildings</td>
<td>Not heated 1 to 50% heated 51 to 99% heated 100% heated</td>
</tr>
<tr>
<td></td>
<td>5,557</td>
<td>835 697 727 3,298 87,093 7,015 10,130 14,650 55,298</td>
</tr>
<tr>
<td>Northeast</td>
<td>805</td>
<td>79 86 137 503 15,534 481 1,132 2,873 11,049</td>
</tr>
<tr>
<td>New England</td>
<td>302</td>
<td>38 32 53 179 4,302 212 Q 805 2,910</td>
</tr>
<tr>
<td>Middle Atlantic</td>
<td>504</td>
<td>41 55 84 324 11,232 269 757 2,068 8,138</td>
</tr>
<tr>
<td>Midwest</td>
<td>1,237</td>
<td>141 103 137 856 18,919 864 1,310 2,239 14,506</td>
</tr>
<tr>
<td>East North Central</td>
<td>735</td>
<td>65 56 76 538 12,742 502 734 1,545 9,961</td>
</tr>
<tr>
<td>West North Central</td>
<td>502</td>
<td>76 47 61 318 6,178 362 576 694 4,545</td>
</tr>
<tr>
<td>South</td>
<td>2,247</td>
<td>405 297 267 1,278 34,279 3,781 3,979 6,218 20,302</td>
</tr>
<tr>
<td>South Atlantic</td>
<td>1,091</td>
<td>218 137 127 610 17,981 2,098 2,193 3,098 10,592</td>
</tr>
<tr>
<td>East South Central</td>
<td>370</td>
<td>34 40 44 252 4,904 212 469 1,236 2,987</td>
</tr>
<tr>
<td>West South Central</td>
<td>786</td>
<td>153 121 96 416 11,394 1,471 1,317 1,883 6,724</td>
</tr>
<tr>
<td>West</td>
<td>1,267</td>
<td>210 211 185 661 18,360 1,890 3,709 3,320 9,441</td>
</tr>
<tr>
<td>Mountain</td>
<td>338</td>
<td>45 32 32 230 4,981 277 592 658 3,453</td>
</tr>
<tr>
<td>Pacific</td>
<td>929</td>
<td>165 179 153 432 13,379 1,612 3,117 2,662 5,988</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Climate region</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Very cold/Cold</td>
<td>2,031</td>
<td>239 193 239 1,360 31,898 1,430 2,315 4,050 24,104</td>
</tr>
<tr>
<td>Mixed-humid</td>
<td>1,743</td>
<td>199 188 231 1,125 27,873 1,157 2,485 5,425 18,806</td>
</tr>
<tr>
<td>Mixed-dry/Hot-dry</td>
<td>837</td>
<td>161 185 139 352 12,037 1,533 3,165 2,434 4,885</td>
</tr>
<tr>
<td>Hot-humid</td>
<td>799</td>
<td>205 114 92 387 12,831 2,741 1,752 2,146 6,193</td>
</tr>
<tr>
<td>Marine</td>
<td>147</td>
<td>Q 18 Q 73 2,454 Q 414 595 1,310</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of floors</td>
<td></td>
<td></td>
</tr>
<tr>
<td>One</td>
<td>3,836</td>
<td>723 489 418 2,206 39,809 5,296 5,882 5,845 22,786</td>
</tr>
<tr>
<td>Two</td>
<td>1,158</td>
<td>86 151 170 750 20,206 795 2,788 2,862 13,761</td>
</tr>
<tr>
<td>Three</td>
<td>374</td>
<td>Q 42 93 220 8,140 Q 583 1,500 5,812</td>
</tr>
<tr>
<td>Four to nine</td>
<td>177</td>
<td>6 15 42 114 13,535 543 690 2,606 9,697</td>
</tr>
<tr>
<td>Ten or more</td>
<td>13</td>
<td>Q Q 4 8 5,404 Q Q 1,836 3,242</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of workers (main shift)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fewer than 5</td>
<td>2,892</td>
<td>708 366 331 1,487 17,751 4,820 2,527 1,904 8,500</td>
</tr>
<tr>
<td>5 to 9</td>
<td>1,085</td>
<td>65 165 153 702 8,973 481 2,012 1,369 5,111</td>
</tr>
<tr>
<td>10 to 19</td>
<td>731</td>
<td>39 92 107 493 9,623 652 1,543 1,323 6,104</td>
</tr>
<tr>
<td>20 to 49</td>
<td>513</td>
<td>19 57 74 362 14,514 389 1,988 2,561 9,576</td>
</tr>
<tr>
<td>50 to 99</td>
<td>206</td>
<td>Q 41 152 13,476 Q 968 2,870 9,345</td>
</tr>
<tr>
<td>100 to 249</td>
<td>93</td>
<td>Q 14 74 10,941 Q 648 1,721 8,436</td>
</tr>
<tr>
<td>250 or more</td>
<td>37</td>
<td>Q 1 7 29 11,815 Q 444 2,900 8,226</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weekly operating hours</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fewer than 40</td>
<td>1,149</td>
<td>334 131 94 590 8,220 2,457 908 651 4,205</td>
</tr>
<tr>
<td>40 to 48</td>
<td>1,346</td>
<td>116 225 178 827 15,828 961 2,656 2,655 9,556</td>
</tr>
<tr>
<td>49 to 60</td>
<td>1,244</td>
<td>100 169 167 807 20,529 1,164 2,753 2,894 13,718</td>
</tr>
<tr>
<td>61 to 84</td>
<td>764</td>
<td>92 98 136 438 15,867 719 1,751 3,556 9,841</td>
</tr>
<tr>
<td>85 to 167</td>
<td>479</td>
<td>65 35 91 288 9,395 684 874 1,843 5,994</td>
</tr>
<tr>
<td>Open continuously</td>
<td>575</td>
<td>128 38 61 349 17,253 1,030 1,188 3,052 11,983</td>
</tr>
</tbody>
</table>
### Table B34. Percent of floorspace heated, number of buildings and floorspace, 2012

<table>
<thead>
<tr>
<th>Energy sources (more than one may apply)</th>
<th>Number of buildings (thousand)</th>
<th>Total floorspace (million square feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>All buildings</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Not heated</td>
<td>1 to 50 percent heated</td>
</tr>
<tr>
<td></td>
<td>5,557</td>
<td>835</td>
</tr>
<tr>
<td></td>
<td>697</td>
<td>727</td>
</tr>
<tr>
<td></td>
<td>3,298</td>
<td>87,093</td>
</tr>
<tr>
<td></td>
<td>7,015</td>
<td>10,130</td>
</tr>
<tr>
<td></td>
<td>14,650</td>
<td>55,298</td>
</tr>
<tr>
<td></td>
<td>All buildings</td>
<td>Not heated</td>
</tr>
<tr>
<td></td>
<td>1 to 50 percent heated</td>
<td>51 to 99 percent heated</td>
</tr>
<tr>
<td></td>
<td>100 percent heated</td>
<td></td>
</tr>
<tr>
<td></td>
<td>All buildings</td>
<td>Not heated</td>
</tr>
<tr>
<td></td>
<td>1 to 50 percent heated</td>
<td>51 to 99 percent heated</td>
</tr>
<tr>
<td></td>
<td>100 percent heated</td>
<td></td>
</tr>
<tr>
<td></td>
<td>All buildings</td>
<td>Not heated</td>
</tr>
<tr>
<td></td>
<td>1 to 50 percent heated</td>
<td>51 to 99 percent heated</td>
</tr>
<tr>
<td></td>
<td>100 percent heated</td>
<td></td>
</tr>
</tbody>
</table>

### Energy sources (more than one may apply)

<table>
<thead>
<tr>
<th>Energy sources</th>
<th>Number of buildings (thousand)</th>
<th>Total floorspace (million square feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electricity</td>
<td>5,234</td>
<td>517</td>
</tr>
<tr>
<td>Natural gas</td>
<td>2,933</td>
<td>45</td>
</tr>
<tr>
<td>Fuel oil</td>
<td>467</td>
<td>12</td>
</tr>
<tr>
<td>District heat</td>
<td>48</td>
<td>Q</td>
</tr>
<tr>
<td>District chilled water</td>
<td>54</td>
<td>Q</td>
</tr>
<tr>
<td>Propane</td>
<td>510</td>
<td>19</td>
</tr>
<tr>
<td>Other</td>
<td>172</td>
<td>N</td>
</tr>
</tbody>
</table>

### Space-heating energy sources (more than one may apply)

<table>
<thead>
<tr>
<th>Energy sources</th>
<th>Number of buildings (thousand)</th>
<th>Total floorspace (million square feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electricity</td>
<td>2,858</td>
<td>N</td>
</tr>
<tr>
<td>Natural gas</td>
<td>2,612</td>
<td>N</td>
</tr>
<tr>
<td>Fuel oil</td>
<td>270</td>
<td>N</td>
</tr>
<tr>
<td>District heat</td>
<td>48</td>
<td>N</td>
</tr>
<tr>
<td>Propane</td>
<td>342</td>
<td>N</td>
</tr>
<tr>
<td>Other</td>
<td>101</td>
<td>N</td>
</tr>
</tbody>
</table>

### Primary space-heating energy source

<table>
<thead>
<tr>
<th>Energy sources</th>
<th>Number of buildings (thousand)</th>
<th>Total floorspace (million square feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electricity</td>
<td>1,819</td>
<td>N</td>
</tr>
<tr>
<td>Natural gas</td>
<td>2,322</td>
<td>N</td>
</tr>
<tr>
<td>Fuel oil</td>
<td>205</td>
<td>N</td>
</tr>
<tr>
<td>District heat</td>
<td>47</td>
<td>N</td>
</tr>
<tr>
<td>Propane</td>
<td>261</td>
<td>N</td>
</tr>
<tr>
<td>Other</td>
<td>67</td>
<td>N</td>
</tr>
</tbody>
</table>

### Energy end uses (more than one may apply)

<table>
<thead>
<tr>
<th>Energy end uses</th>
<th>Number of buildings (thousand)</th>
<th>Total floorspace (million square feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Buildings with space heating</td>
<td>4,722</td>
<td>N</td>
</tr>
<tr>
<td>Buildings with cooling</td>
<td>4,461</td>
<td>N</td>
</tr>
<tr>
<td>Buildings with water heating</td>
<td>4,423</td>
<td>N</td>
</tr>
<tr>
<td>Buildings with cooking</td>
<td>1,589</td>
<td>N</td>
</tr>
<tr>
<td>Buildings with manufacturing</td>
<td>259</td>
<td>N</td>
</tr>
<tr>
<td>Buildings with electricity generation</td>
<td>410</td>
<td>Q</td>
</tr>
</tbody>
</table>

### Percent of floorspace cooled

<table>
<thead>
<tr>
<th>Percent of floorspace cooled</th>
<th>Number of buildings (thousand)</th>
<th>Total floorspace (million square feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not cooled</td>
<td>1,096</td>
<td>646</td>
</tr>
<tr>
<td>1 to 50</td>
<td>1,173</td>
<td>75</td>
</tr>
<tr>
<td>51 to 99</td>
<td>897</td>
<td>22</td>
</tr>
<tr>
<td>100</td>
<td>2,391</td>
<td>92</td>
</tr>
</tbody>
</table>

### Percent lit when open

<table>
<thead>
<tr>
<th>Percent lit when open</th>
<th>Number of buildings (thousand)</th>
<th>Total floorspace (million square feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zero</td>
<td>70</td>
<td>Q</td>
</tr>
<tr>
<td>1 to 50</td>
<td>1,099</td>
<td>136</td>
</tr>
<tr>
<td>51 to 99</td>
<td>1,666</td>
<td>78</td>
</tr>
<tr>
<td>100</td>
<td>2,222</td>
<td>163</td>
</tr>
</tbody>
</table>

### Building never open/electricity not used

<table>
<thead>
<tr>
<th>Building never open/electricity not used</th>
<th>Number of buildings (thousand)</th>
<th>Total floorspace (million square feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>501</td>
<td>395</td>
</tr>
<tr>
<td></td>
<td>28</td>
<td>Q</td>
</tr>
<tr>
<td></td>
<td>63</td>
<td>3,603</td>
</tr>
<tr>
<td></td>
<td>2,724</td>
<td>253</td>
</tr>
<tr>
<td></td>
<td>Q</td>
<td>547</td>
</tr>
</tbody>
</table>
### Table B34. Percent of floorspace heated, number of buildings and floorspace, 2012

<table>
<thead>
<tr>
<th>Heating equipment (more than one may apply)</th>
<th>Number of buildings (thousand)</th>
<th>Total floorspace (million square feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heat pumps</td>
<td>628</td>
<td>1,390</td>
</tr>
<tr>
<td>Furnaces</td>
<td>755</td>
<td>931</td>
</tr>
<tr>
<td>Individual space heaters</td>
<td>1,247</td>
<td>2,964</td>
</tr>
<tr>
<td>District heat</td>
<td>48</td>
<td>5,925</td>
</tr>
<tr>
<td>Boilers</td>
<td>544</td>
<td>1,016</td>
</tr>
<tr>
<td>Packaged heating units</td>
<td>2,802</td>
<td>6,769</td>
</tr>
<tr>
<td>Other</td>
<td>62</td>
<td>1,574</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HVAC conservation features (more than one may apply)</th>
<th>Number of buildings (thousand)</th>
<th>Total floorspace (million square feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Economizer cycle</td>
<td>601</td>
<td>1,555</td>
</tr>
<tr>
<td>Regular HVAC maintenance</td>
<td>3,178</td>
<td>6,828</td>
</tr>
<tr>
<td>Building automation system (BAS)³</td>
<td>781</td>
<td>1,910</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Equipment usage reduced when building not in full use (more than one may apply)</th>
<th>Number of buildings (thousand)</th>
<th>Total floorspace (million square feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heating</td>
<td>3,699</td>
<td>7,577</td>
</tr>
<tr>
<td>Cooling</td>
<td>3,517</td>
<td>7,094</td>
</tr>
<tr>
<td>Lighting</td>
<td>4,757</td>
<td>9,381</td>
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</table>

³These 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.

Notes: ● Because of rounding, data may not sum to totals. ● See Guide to the 2012 CBECS Detailed Tables or CBECS Terminology for definition 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/

### Table B35. Percent of floorspace cooled, number of buildings and floorspace, 2012

#### Number of buildings (thousand) and Total floorspace (million square feet)

<table>
<thead>
<tr>
<th></th>
<th>All buildings</th>
<th>Not cooled</th>
<th>1 to 50 percent cooled</th>
<th>51 to 99 percent cooled</th>
<th>100 percent cooled</th>
<th>All buildings</th>
<th>Not cooled</th>
<th>1 to 50 percent cooled</th>
<th>51 to 99 percent cooled</th>
<th>100 percent cooled</th>
</tr>
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<tbody>
<tr>
<td><strong>All buildings</strong></td>
<td>5,557</td>
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<td>1,173</td>
<td>897</td>
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<td>87,093</td>
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<td>18,891</td>
<td>22,728</td>
<td>37,676</td>
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<td><strong>Building floorspace (square feet)</strong></td>
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<td>15</td>
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<td>Total floorspace (million square feet)</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td></td>
<td>All buildings</td>
<td>Not cooled</td>
<td>1 to 50 percent cooled</td>
<td>51 to 99 percent cooled</td>
<td>100 percent cooled</td>
<td>All buildings</td>
<td>Not cooled</td>
<td>1 to 50 percent cooled</td>
<td>51 to 99 percent cooled</td>
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<td><strong>All buildings</strong></td>
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<td>1,173</td>
<td>897</td>
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<td>87,093</td>
<td>7,799</td>
<td>18,891</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>One</strong></td>
<td>3,836</td>
<td>882</td>
<td>782</td>
<td>482</td>
<td>1,609</td>
<td>39,809</td>
<td>5,653</td>
<td>10,371</td>
<td>7,750</td>
<td>16,035</td>
</tr>
<tr>
<td><strong>Two</strong></td>
<td>1,158</td>
<td>164</td>
<td>275</td>
<td>227</td>
<td>492</td>
<td>20,206</td>
<td>1,194</td>
<td>5,511</td>
<td>4,834</td>
<td>8,666</td>
</tr>
<tr>
<td><strong>Three</strong></td>
<td>374</td>
<td>36</td>
<td>85</td>
<td>121</td>
<td>132</td>
<td>8,140</td>
<td>405</td>
<td>1,378</td>
<td>2,590</td>
<td>3,766</td>
</tr>
<tr>
<td><strong>Four to nine</strong></td>
<td>177</td>
<td>14</td>
<td>30</td>
<td>61</td>
<td>72</td>
<td>13,535</td>
<td>499</td>
<td>1,426</td>
<td>4,713</td>
<td>6,896</td>
</tr>
<tr>
<td><strong>Ten or more</strong></td>
<td>13</td>
<td>Q</td>
<td>Q</td>
<td>6</td>
<td>5</td>
<td>5,404</td>
<td>Q</td>
<td>Q</td>
<td>2,840</td>
<td>2,313</td>
</tr>
<tr>
<td><strong>Number of workers (main shift)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Fewer than 5</strong></td>
<td>2,892</td>
<td>960</td>
<td>593</td>
<td>321</td>
<td>1,018</td>
<td>17,751</td>
<td>6,156</td>
<td>4,108</td>
<td>2,234</td>
<td>5,253</td>
</tr>
<tr>
<td><strong>5 to 9</strong></td>
<td>1,085</td>
<td>86</td>
<td>254</td>
<td>169</td>
<td>576</td>
<td>8,973</td>
<td>735</td>
<td>2,862</td>
<td>1,525</td>
<td>3,851</td>
</tr>
<tr>
<td><strong>10 to 19</strong></td>
<td>731</td>
<td>32</td>
<td>175</td>
<td>174</td>
<td>351</td>
<td>9,623</td>
<td>433</td>
<td>3,207</td>
<td>2,227</td>
<td>3,757</td>
</tr>
<tr>
<td><strong>20 to 49</strong></td>
<td>513</td>
<td>15</td>
<td>112</td>
<td>130</td>
<td>256</td>
<td>14,514</td>
<td>295</td>
<td>3,724</td>
<td>3,822</td>
<td>6,674</td>
</tr>
<tr>
<td><strong>50 to 99</strong></td>
<td>206</td>
<td>Q</td>
<td>26</td>
<td>64</td>
<td>114</td>
<td>13,476</td>
<td>Q</td>
<td>2,240</td>
<td>4,519</td>
<td>6,565</td>
</tr>
<tr>
<td><strong>100 to 249</strong></td>
<td>93</td>
<td>Q</td>
<td>12</td>
<td>27</td>
<td>54</td>
<td>10,941</td>
<td>Q</td>
<td>1,977</td>
<td>3,543</td>
<td>5,394</td>
</tr>
<tr>
<td><strong>250 or more</strong></td>
<td>37</td>
<td>N</td>
<td>2</td>
<td>12</td>
<td>23</td>
<td>11,815</td>
<td>N</td>
<td>775</td>
<td>4,858</td>
<td>6,182</td>
</tr>
<tr>
<td><strong>Weekly operating hours</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Fewer than 40</strong></td>
<td>1,149</td>
<td>459</td>
<td>158</td>
<td>103</td>
<td>429</td>
<td>8,220</td>
<td>3,137</td>
<td>1,284</td>
<td>972</td>
<td>2,827</td>
</tr>
<tr>
<td><strong>40 to 48</strong></td>
<td>1,346</td>
<td>178</td>
<td>364</td>
<td>223</td>
<td>582</td>
<td>15,828</td>
<td>1,316</td>
<td>4,369</td>
<td>4,097</td>
<td>6,046</td>
</tr>
<tr>
<td><strong>49 to 60</strong></td>
<td>1,244</td>
<td>160</td>
<td>351</td>
<td>189</td>
<td>544</td>
<td>20,529</td>
<td>1,233</td>
<td>5,952</td>
<td>4,373</td>
<td>8,972</td>
</tr>
<tr>
<td><strong>61 to 84</strong></td>
<td>764</td>
<td>95</td>
<td>162</td>
<td>176</td>
<td>332</td>
<td>15,867</td>
<td>697</td>
<td>3,508</td>
<td>4,967</td>
<td>6,695</td>
</tr>
<tr>
<td><strong>85 to 167</strong></td>
<td>479</td>
<td>60</td>
<td>70</td>
<td>103</td>
<td>245</td>
<td>9,395</td>
<td>530</td>
<td>1,874</td>
<td>2,759</td>
<td>4,231</td>
</tr>
<tr>
<td><strong>Open continuously</strong></td>
<td>575</td>
<td>144</td>
<td>68</td>
<td>104</td>
<td>259</td>
<td>17,253</td>
<td>886</td>
<td>1,903</td>
<td>5,560</td>
<td>8,904</td>
</tr>
</tbody>
</table>
### Table B35. Percent of floorspace cooled, number of buildings and floorspace, 2012

<table>
<thead>
<tr>
<th>Number of buildings (thousand)</th>
<th>Total floorspace (million square feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>All buildings</td>
</tr>
<tr>
<td>All buildings</td>
<td>5,557</td>
</tr>
</tbody>
</table>

**Energy sources (more than one may apply)**

<table>
<thead>
<tr>
<th>Energy sources</th>
<th>All buildings</th>
<th>Not cooled</th>
<th>1 to 50 percent cooled</th>
<th>51 to 99 percent cooled</th>
<th>100 percent cooled</th>
<th>All buildings</th>
<th>Not cooled</th>
<th>1 to 50 percent cooled</th>
<th>51 to 99 percent cooled</th>
<th>100 percent cooled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electricity</td>
<td>5,234</td>
<td>773</td>
<td>1,173</td>
<td>897</td>
<td>2,391</td>
<td>84,869</td>
<td>5,575</td>
<td>18,891</td>
<td>22,728</td>
<td>37,676</td>
</tr>
<tr>
<td>Natural gas</td>
<td>2,933</td>
<td>233</td>
<td>697</td>
<td>592</td>
<td>1,411</td>
<td>58,725</td>
<td>1,826</td>
<td>13,031</td>
<td>17,106</td>
<td>26,762</td>
</tr>
<tr>
<td>Fuel oil</td>
<td>467</td>
<td>106</td>
<td>110</td>
<td>82</td>
<td>169</td>
<td>20,200</td>
<td>891</td>
<td>3,199</td>
<td>7,075</td>
<td>9,035</td>
</tr>
<tr>
<td>District heat</td>
<td>48</td>
<td>Q</td>
<td>4</td>
<td>17</td>
<td>22</td>
<td>5,964</td>
<td>Q</td>
<td>340</td>
<td>2,717</td>
<td>2,845</td>
</tr>
<tr>
<td>District chilled water</td>
<td>54</td>
<td>N</td>
<td>Q</td>
<td>18</td>
<td>36</td>
<td>4,608</td>
<td>N</td>
<td>Q</td>
<td>1,953</td>
<td>2,569</td>
</tr>
<tr>
<td>Propane</td>
<td>510</td>
<td>90</td>
<td>164</td>
<td>75</td>
<td>181</td>
<td>7,706</td>
<td>645</td>
<td>2,747</td>
<td>1,669</td>
<td>2,646</td>
</tr>
<tr>
<td>Other</td>
<td>172</td>
<td>46</td>
<td>53</td>
<td>26</td>
<td>47</td>
<td>3,826</td>
<td>253</td>
<td>1,204</td>
<td>1,245</td>
<td>1,123</td>
</tr>
</tbody>
</table>

**Cooling energy sources (more than one may apply)**

<table>
<thead>
<tr>
<th>Cooling energy sources</th>
<th>All buildings</th>
<th>Not cooled</th>
<th>1 to 50 percent cooled</th>
<th>51 to 99 percent cooled</th>
<th>100 percent cooled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electricity</td>
<td>4,413</td>
<td>N</td>
<td>1,172</td>
<td>885</td>
<td>2,355</td>
</tr>
<tr>
<td>Natural gas</td>
<td>12</td>
<td>N</td>
<td>Q</td>
<td>1</td>
<td>9</td>
</tr>
<tr>
<td>District chilled water</td>
<td>54</td>
<td>N</td>
<td>Q</td>
<td>18</td>
<td>36</td>
</tr>
</tbody>
</table>

**Energy end uses (more than one may apply)**

<table>
<thead>
<tr>
<th>Energy end uses</th>
<th>All buildings</th>
<th>Not cooled</th>
<th>1 to 50 percent cooled</th>
<th>51 to 99 percent cooled</th>
<th>100 percent cooled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Buildings with space heating</td>
<td>4,722</td>
<td>451</td>
<td>1,098</td>
<td>875</td>
<td>2,299</td>
</tr>
<tr>
<td>Buildings with cooling</td>
<td>4,461</td>
<td>N</td>
<td>1,173</td>
<td>897</td>
<td>2,391</td>
</tr>
<tr>
<td>Buildings with water heating</td>
<td>4,423</td>
<td>326</td>
<td>1,028</td>
<td>835</td>
<td>2,235</td>
</tr>
<tr>
<td>Buildings with cooking</td>
<td>1,589</td>
<td>92</td>
<td>267</td>
<td>344</td>
<td>886</td>
</tr>
<tr>
<td>Buildings with manufacturing</td>
<td>259</td>
<td>41</td>
<td>113</td>
<td>37</td>
<td>68</td>
</tr>
<tr>
<td>Buildings with electricity generation</td>
<td>410</td>
<td>25</td>
<td>81</td>
<td>96</td>
<td>208</td>
</tr>
</tbody>
</table>

**Percent of floorspace heated**

<table>
<thead>
<tr>
<th>Percent of floorspace heated</th>
<th>All buildings</th>
<th>Not cooled</th>
<th>1 to 50 percent cooled</th>
<th>51 to 99 percent cooled</th>
<th>100 percent cooled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not heated</td>
<td>835</td>
<td>646</td>
<td>75</td>
<td>22</td>
<td>92</td>
</tr>
<tr>
<td>1</td>
<td>697</td>
<td>113</td>
<td>496</td>
<td>40</td>
<td>48</td>
</tr>
<tr>
<td>51 to 99</td>
<td>727</td>
<td>51</td>
<td>131</td>
<td>482</td>
<td>63</td>
</tr>
<tr>
<td>100</td>
<td>3,298</td>
<td>286</td>
<td>471</td>
<td>353</td>
<td>2,188</td>
</tr>
</tbody>
</table>

**Percent lit when open**

<table>
<thead>
<tr>
<th>Percent lit when open</th>
<th>All buildings</th>
<th>Not cooled</th>
<th>1 to 50 percent cooled</th>
<th>51 to 99 percent cooled</th>
<th>100 percent cooled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zero</td>
<td>70</td>
<td>63</td>
<td>Q</td>
<td>N</td>
<td>Q</td>
</tr>
<tr>
<td>1 to 50</td>
<td>1,099</td>
<td>196</td>
<td>451</td>
<td>135</td>
<td>316</td>
</tr>
<tr>
<td>51 to 99</td>
<td>1,666</td>
<td>111</td>
<td>294</td>
<td>517</td>
<td>744</td>
</tr>
<tr>
<td>100</td>
<td>2,222</td>
<td>283</td>
<td>405</td>
<td>235</td>
<td>1,298</td>
</tr>
</tbody>
</table>

**Cooling equipment (more than one may apply)**

<table>
<thead>
<tr>
<th>Cooling equipment</th>
<th>All buildings</th>
<th>Not cooled</th>
<th>1 to 50 percent cooled</th>
<th>51 to 99 percent cooled</th>
<th>100 percent cooled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Residential-type central air conditioners</td>
<td>1,546</td>
<td>N</td>
<td>403</td>
<td>312</td>
<td>831</td>
</tr>
<tr>
<td>Heat pumps</td>
<td>692</td>
<td>N</td>
<td>146</td>
<td>147</td>
<td>399</td>
</tr>
<tr>
<td>Individual air conditioners</td>
<td>709</td>
<td>N</td>
<td>326</td>
<td>123</td>
<td>260</td>
</tr>
<tr>
<td>District chilled water</td>
<td>54</td>
<td>N</td>
<td>Q</td>
<td>18</td>
<td>36</td>
</tr>
<tr>
<td>Central chillers</td>
<td>163</td>
<td>N</td>
<td>8</td>
<td>58</td>
<td>97</td>
</tr>
<tr>
<td>Packaged air conditioning units</td>
<td>1,909</td>
<td>N</td>
<td>394</td>
<td>435</td>
<td>1,081</td>
</tr>
<tr>
<td>Swamp coolers</td>
<td>109</td>
<td>N</td>
<td>36</td>
<td>20</td>
<td>53</td>
</tr>
<tr>
<td>Other</td>
<td>Q</td>
<td>N</td>
<td>Q</td>
<td>Q</td>
<td>328</td>
</tr>
</tbody>
</table>
### Table B35. Percent of floorspace cooled, number of buildings and floorspace, 2012

<table>
<thead>
<tr>
<th>HVAC conservation features</th>
<th>Number of buildings (thousand)</th>
<th>Total floorspace (million square feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>All buildings</td>
<td>Not cooled</td>
</tr>
<tr>
<td>All buildings</td>
<td>5,557</td>
<td>1,096</td>
</tr>
<tr>
<td>HVAC conservation features</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(more than one may apply)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Economizer cycle</td>
<td>601</td>
<td>N</td>
</tr>
<tr>
<td>Regular HVAC maintenance</td>
<td>3,178</td>
<td>155</td>
</tr>
<tr>
<td>Building automation system(BAS)(^1)</td>
<td>781</td>
<td>24</td>
</tr>
<tr>
<td>Equipment usage reduced when building not in full use</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(more than one may apply)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Heating</td>
<td>3,699</td>
<td>295</td>
</tr>
<tr>
<td>Cooling</td>
<td>3,517</td>
<td>N</td>
</tr>
<tr>
<td>Lighting</td>
<td>4,757</td>
<td>561</td>
</tr>
</tbody>
</table>

\(^1\)These 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).

\(^2\)In 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.

Notes: ● Because of rounding, data may not sum to totals. ● See Guide to the 2012 CBECS Detailed Tables or CBECS Terminology for definition 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/

Table B36. Percent of floorspace lit when open, number of buildings and floorspace, 2012

<table>
<thead>
<tr>
<th>Number of buildings (thousand)</th>
<th>Total floorspace (million square feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>All buildings</td>
</tr>
<tr>
<td>All buildings</td>
<td></td>
</tr>
<tr>
<td></td>
<td>5,557</td>
</tr>
</tbody>
</table>

Building floorspace (square feet)

|                                | All buildings | Not lit when open | 1 to 50 percent lit | 51 to 99 percent lit | 100 percent lit | 1,001 to 5,000 | 577 | 380 | 564 | 638 | 1,196 | 8,041 | 963 | 1,680 | 1,924 | 3,474 |
|                                |              |                  |                    |                      |                |                | 5,001 to 10,000 | 1,229 | 117 | 259 | 418 | 436 | 8,900 | 810 | 1,879 | 3,060 | 3,151 |
|                                |              |                  |                    |                      |                |                | 10,001 to 25,000 | 884 | 53  | 182 | 331 | 317 | 14,105 | 885 | 2,824 | 5,326 | 5,070 |
|                                |              |                  |                    |                      |                |                | 25,001 to 50,000 | 332 | Q  | 54  | 126 | 141 | 11,917 | Q  | 1,885 | 4,519 | 5,071 |
|                                |              |                  |                    |                      |                |                | 50,001 to 100,000 | 199 | Q  | 29  | 92  | 72  | 13,918 | Q  | 1,956 | 6,445 | 5,043 |
|                                |              |                  |                    |                      |                |                | 100,001 to 200,000 | 90  | Q  | 3   | 40  | 41  | 12,415 | Q  | 1,141 | 5,339 | 5,560 |
|                                |              |                  |                    |                      |                |                | 200,001 to 500,000 | 38  | Q  | 3   | 18  | 16  | 10,724 | Q  | 837  | 5,220 | 4,552 |
|                                |              |                  |                    |                      |                |                | Over 500,000      | 8   | Q  | 3   | 4   | 7,074 | Q  | Q    | 2,781 | 3,806 |

Principal building activity

|                                | Education    | Food sales  | Food service | Health care | Inpatient | Outpatient | Lodging    | Mercantile | Retail (other than mall) | Enclosed and strip malls | Office   | Public assembly | Public order and safety | Religious worship | Service | Warehouse and storage | Other | Vacant |
|                                | 389          | 177         | 380          | 157         | 10         | 147        | 158        | 602         | 438               | 164                 | 1,012    | 352          | 84               | 412               | 619     | 796         | 125    | 296     |
|                                | N 30 126     | N Q 54 104 219 1,819 | N 275 596 949 | N Q 68 73 4,155 | N Q 3 7,274 | N Q 65 1,781 | Q 51 47 60 5,826 | Q 73 275 251 11,330 | Q 65 249 5,439 | Q 65 209 5,890 | Q 227 399 386 15,952 | N 275 596 949 | N Q 68 73 4,155 | N Q 3 7,274 | Q 73 275 251 11,330 | Q 65 249 5,439 | Q 65 209 5,890 |

Year constructed

|                                | 362         | 488          | 599          | 639          | 684          | 915          | 845          | 375          | 347          | 303          |
|                                | 47          | 59           | 78           | 42           | 60           | 88           | 115          | 70           | 65           | 52           |
|                                | 117         | 120          | 130          | 123          | 124          | 179          | 112          | 115          | 111          | 92           |
|                                | 112         | 132          | 183          | 217          | 232          | 223          | 223          | 115          | 111          | 92           |
|                                | 86          | 178          | 208          | 258          | 268          | 399          | 387          | 164          | 143          | 130          |
|                                | 3,983       | 6,025        | 7,381        | 10,362       | 10,846       | 15,230       | 13,803       | 7,215        | 6,524        | 5,723        |
|                                | 335         | 376          | 321          | 329          | 539          | 563          | 1,002        | 1,008        | 1,057        | 854          |
|                                | 1,278       | 2,193        | 3,151        | 4,266        | 4,445        | 6,222        | 3,975        | 3,399        | 2,520        | 2,043        |
|                                | 1,529       | 2,193        | 3,215        | 4,594        | 4,459        | 6,151        | 4,726        | 3,680        | 2,801        | 2,637        |
|                                | 841         | 2,572        | 2,494        | 4,174        | 4,549        | 6,294        | 6,680        | 2,683        | 2,801        | 2,637        |
Table B36. Percent of floorspace lit when open, number of buildings and floorspace, 2012

<table>
<thead>
<tr>
<th>Number of buildings (thousand)</th>
<th>Total floorspace (million square feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>All buildings</td>
<td></td>
</tr>
<tr>
<td>Not lit when open(^1)</td>
<td>1 to 50 percent lit</td>
</tr>
<tr>
<td>51 to 99 percent lit</td>
<td>100 percent lit</td>
</tr>
<tr>
<td>All buildings</td>
<td>Not lit when open(^1)</td>
</tr>
<tr>
<td>1 to 50 percent lit</td>
<td>51 to 99 percent lit</td>
</tr>
<tr>
<td>100 percent lit</td>
<td>All buildings</td>
</tr>
</tbody>
</table>

Census region and division

<table>
<thead>
<tr>
<th>Region</th>
<th>All buildings</th>
<th>Not lit when open(^1)</th>
<th>1 to 50 percent lit</th>
<th>51 to 99 percent lit</th>
<th>100 percent lit</th>
<th>All buildings</th>
<th>Not lit when open(^1)</th>
<th>1 to 50 percent lit</th>
<th>51 to 99 percent lit</th>
<th>100 percent lit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Northeast</td>
<td>805</td>
<td>68</td>
<td>170</td>
<td>259</td>
<td>308</td>
<td>15,534</td>
<td>480</td>
<td>2,097</td>
<td>6,288</td>
<td>6,670</td>
</tr>
<tr>
<td>New England</td>
<td>302</td>
<td>Q</td>
<td>55</td>
<td>115</td>
<td>98</td>
<td>4,302</td>
<td>Q</td>
<td>677</td>
<td>2,099</td>
<td>1,286</td>
</tr>
<tr>
<td>Middle Atlantic</td>
<td>504</td>
<td>34</td>
<td>115</td>
<td>145</td>
<td>210</td>
<td>11,232</td>
<td>240</td>
<td>1,420</td>
<td>4,189</td>
<td>5,384</td>
</tr>
<tr>
<td>Midwest</td>
<td>1,237</td>
<td>136</td>
<td>292</td>
<td>382</td>
<td>427</td>
<td>18,919</td>
<td>851</td>
<td>2,870</td>
<td>7,932</td>
<td>7,266</td>
</tr>
<tr>
<td>East North Central</td>
<td>735</td>
<td>67</td>
<td>171</td>
<td>245</td>
<td>252</td>
<td>12,742</td>
<td>491</td>
<td>1,840</td>
<td>5,616</td>
<td>4,794</td>
</tr>
<tr>
<td>West North Central</td>
<td>502</td>
<td>69</td>
<td>121</td>
<td>137</td>
<td>175</td>
<td>6,178</td>
<td>360</td>
<td>1,030</td>
<td>2,315</td>
<td>2,472</td>
</tr>
<tr>
<td>South</td>
<td>2,247</td>
<td>242</td>
<td>379</td>
<td>614</td>
<td>1,011</td>
<td>34,279</td>
<td>1,832</td>
<td>4,755</td>
<td>13,288</td>
<td>14,405</td>
</tr>
<tr>
<td>South Atlantic</td>
<td>1,091</td>
<td>101</td>
<td>184</td>
<td>319</td>
<td>486</td>
<td>17,981</td>
<td>588</td>
<td>2,375</td>
<td>7,284</td>
<td>7,734</td>
</tr>
<tr>
<td>East South Central</td>
<td>370</td>
<td>28</td>
<td>60</td>
<td>80</td>
<td>201</td>
<td>4,904</td>
<td>Q</td>
<td>817</td>
<td>1,665</td>
<td>2,233</td>
</tr>
<tr>
<td>West South Central</td>
<td>786</td>
<td>112</td>
<td>135</td>
<td>215</td>
<td>324</td>
<td>11,394</td>
<td>1,055</td>
<td>1,562</td>
<td>4,339</td>
<td>4,438</td>
</tr>
<tr>
<td>West</td>
<td>1,267</td>
<td>123</td>
<td>258</td>
<td>411</td>
<td>476</td>
<td>18,360</td>
<td>761</td>
<td>2,907</td>
<td>7,307</td>
<td>7,385</td>
</tr>
<tr>
<td>Mountain</td>
<td>338</td>
<td>52</td>
<td>57</td>
<td>109</td>
<td>121</td>
<td>4,981</td>
<td>314</td>
<td>541</td>
<td>1,847</td>
<td>2,279</td>
</tr>
<tr>
<td>Pacific</td>
<td>929</td>
<td>71</td>
<td>201</td>
<td>302</td>
<td>355</td>
<td>13,379</td>
<td>447</td>
<td>2,366</td>
<td>5,460</td>
<td>5,107</td>
</tr>
</tbody>
</table>

Climate region\(^2\)

<table>
<thead>
<tr>
<th>Climate</th>
<th>Buildings</th>
<th>Not lit when open(^1)</th>
<th>1 to 50 percent lit</th>
<th>51 to 99 percent lit</th>
<th>100 percent lit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Very cold/Cold</td>
<td>2,031</td>
<td>230</td>
<td>449</td>
<td>642</td>
<td>710</td>
</tr>
<tr>
<td>Mixed-humid</td>
<td>1,743</td>
<td>169</td>
<td>300</td>
<td>494</td>
<td>781</td>
</tr>
<tr>
<td>Mixed-dry/Hot-dry</td>
<td>837</td>
<td>67</td>
<td>186</td>
<td>248</td>
<td>336</td>
</tr>
<tr>
<td>Hot-humid</td>
<td>799</td>
<td>89</td>
<td>134</td>
<td>229</td>
<td>347</td>
</tr>
<tr>
<td>Marine</td>
<td>147</td>
<td>Q</td>
<td>29</td>
<td>53</td>
<td>48</td>
</tr>
</tbody>
</table>

Number of floors

<table>
<thead>
<tr>
<th>Number</th>
<th>Buildings</th>
<th>Not lit when open(^1)</th>
<th>1 to 50 percent lit</th>
<th>51 to 99 percent lit</th>
<th>100 percent lit</th>
</tr>
</thead>
<tbody>
<tr>
<td>One</td>
<td>3,836</td>
<td>472</td>
<td>647</td>
<td>1,042</td>
<td>1,675</td>
</tr>
<tr>
<td>Two</td>
<td>1,158</td>
<td>Q</td>
<td>101</td>
<td>301</td>
<td>399</td>
</tr>
<tr>
<td>Three</td>
<td>374</td>
<td>Q</td>
<td>110</td>
<td>144</td>
<td>99</td>
</tr>
<tr>
<td>Four to nine</td>
<td>177</td>
<td>5</td>
<td>41</td>
<td>74</td>
<td>56</td>
</tr>
<tr>
<td>Ten or more</td>
<td>13</td>
<td>Q</td>
<td>Q</td>
<td>7</td>
<td>5</td>
</tr>
</tbody>
</table>

Number of workers (main shift)

<table>
<thead>
<tr>
<th>Less than 5</th>
<th>Buildings</th>
<th>Not lit when open(^1)</th>
<th>1 to 50 percent lit</th>
<th>51 to 99 percent lit</th>
<th>100 percent lit</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 to 9</td>
<td>2,892</td>
<td>565</td>
<td>754</td>
<td>616</td>
<td>957</td>
</tr>
<tr>
<td>10 to 19</td>
<td>731</td>
<td>Q</td>
<td>83</td>
<td>284</td>
<td>364</td>
</tr>
<tr>
<td>20 to 49</td>
<td>513</td>
<td>Q</td>
<td>45</td>
<td>234</td>
<td>233</td>
</tr>
<tr>
<td>50 to 99</td>
<td>206</td>
<td>N</td>
<td>12</td>
<td>103</td>
<td>90</td>
</tr>
<tr>
<td>100 to 249</td>
<td>93</td>
<td>N</td>
<td>3</td>
<td>44</td>
<td>46</td>
</tr>
<tr>
<td>250 or more</td>
<td>37</td>
<td>N</td>
<td>1</td>
<td>13</td>
<td>23</td>
</tr>
</tbody>
</table>

Weekly operating hours

<table>
<thead>
<tr>
<th>Fewer than 40</th>
<th>Buildings</th>
<th>Not lit when open(^1)</th>
<th>1 to 50 percent lit</th>
<th>51 to 99 percent lit</th>
<th>100 percent lit</th>
</tr>
</thead>
<tbody>
<tr>
<td>40 to 48</td>
<td>1,346</td>
<td>Q</td>
<td>352</td>
<td>435</td>
<td>528</td>
</tr>
<tr>
<td>49 to 60</td>
<td>1,244</td>
<td>Q</td>
<td>217</td>
<td>419</td>
<td>587</td>
</tr>
<tr>
<td>61 to 84</td>
<td>764</td>
<td>Q</td>
<td>102</td>
<td>292</td>
<td>337</td>
</tr>
<tr>
<td>85 to 167</td>
<td>479</td>
<td>Q</td>
<td>60</td>
<td>158</td>
<td>239</td>
</tr>
<tr>
<td>Open continuously</td>
<td>575</td>
<td>77</td>
<td>151</td>
<td>138</td>
<td>209</td>
</tr>
</tbody>
</table>

\(^1\) For buildings open 50% or more of the time.  \(^2\) For those buildings with 100% open for a full year.

Open continuously: 575 77 151 138 209 17,253 409 2,335 6,758 7,752
### Table B36. Percent of floorspace lit when open, number of buildings and floorspace, 2012

<table>
<thead>
<tr>
<th>Number of buildings (thousand)</th>
<th>Total floorspace (million square feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>All buildings</td>
</tr>
<tr>
<td>All buildings</td>
<td>5,557</td>
</tr>
</tbody>
</table>

#### Energy sources (more than one may apply)

Electricity | 5,234 | 247 | 1,099 | 1,666 | 2,222 | 84,869 | 1,700 | 12,628 | 34,814 | 35,726 |
Natural gas | 2,933 | 55 | 562 | 1,015 | 1,265 | 58,725 | 581 | 7,333 | 25,435 | 25,376 |
Fuel oil | 467 | Q | 93 | 155 | 208 | 20,200 | Q | 1,820 | 8,903 | 9,351 |
District heat | 48 | Q | 8 | 18 | 21 | 5,964 | Q | 489 | 2,799 | 2,567 |
District chilled water | 54 | Q | Q | 21 | 24 | 4,608 | Q | Q | 2,214 | 1,976 |
Propane | 510 | Q | 112 | 155 | 224 | 7,706 | Q | 1,231 | 2,997 | 3,410 |
Other | 172 | Q | 45 | 53 | 69 | 3,826 | Q | 487 | 1,608 | 1,689 |

#### Energy end uses (more than one may apply)

Buildings with space heating | 4,722 | 112 | 963 | 1,588 | 2,059 | 80,078 | 935 | 11,367 | 33,572 | 34,204 |
Buildings with cooling | 4,461 | 64 | 902 | 1,556 | 1,939 | 79,294 | 602 | 10,941 | 33,775 | 33,976 |
Buildings with water heating | 4,423 | 57 | 900 | 1,538 | 1,927 | 79,015 | 602 | 10,877 | 33,513 | 34,023 |
Buildings with cooking | 259 | Q | 63 | 84 | 106 | 38,546 | Q | 3,696 | 17,766 | 16,991 |
Buildings with manufacturing | 259 | Q | 63 | 84 | 106 | 38,546 | Q | 3,696 | 17,766 | 16,991 |
Buildings with electricity generation | 410 | Q | 65 | 157 | 183 | 25,642 | Q | 1,811 | 11,756 | 12,007 |

#### Percent of floorspace heated

| Not heated | 835 | 458 | 136 | 78 | 163 | 7,015 | 2,990 | 1,261 | 1,242 | 1,522 |
| 1 to 50 | 697 | 31 | 325 | 144 | 197 | 10,130 | 274 | 4,056 | 2,861 | 2,939 |
| 51 to 99 | 727 | Q | 138 | 405 | 169 | 14,650 | Q | 1,618 | 9,145 | 3,807 |
| 100 | 3,298 | 67 | 500 | 1,039 | 1,692 | 55,298 | 581 | 5,693 | 21,566 | 27,458 |

#### Percent of floorspace cooled

| Not cooled | 1,096 | 506 | 196 | 111 | 283 | 7,799 | 3,323 | 1,688 | 1,039 | 1,750 |
| 1 to 50 | 1,173 | Q | 451 | 294 | 405 | 18,891 | Q | 5,274 | 6,153 | 7,217 |
| 51 to 99 | 897 | Q | 135 | 517 | 235 | 22,728 | Q | 1,921 | 14,102 | 6,558 |
| 100 | 2,391 | 32 | 316 | 744 | 1,298 | 37,676 | 208 | 3,746 | 13,519 | 20,202 |

#### Percent lit during off hours

| Zero | 2,489 | 193 | 620 | 610 | 1,066 | 24,746 | 1,246 | 5,450 | 6,900 | 11,150 |
| 1 to 50 | 2,441 | 38 | 449 | 980 | 973 | 50,753 | 394 | 6,702 | 24,449 | 19,207 |
| 51 to 100 | 202 | Q | Q | 57 | 141 | 6,926 | Q | Q | 2,942 | 3,908 |

Building always open with no "off hours" | 102 | Q | 26 | 19 | 41 | 2,443 | Q | 406 | 523 | 1,461 |
Electricity not used | 323 | 323 | N | N | N | 2,225 | 2,225 | N | N | N |

#### Lighting equipment types (more than one may apply)

| Incandescent | 1,826 | Q | 391 | 724 | 699 | 38,406 | Q | 4,867 | 19,106 | 14,283 |
| Standard fluorescent | 4,649 | 30 | 985 | 1,570 | 2,065 | 80,081 | 335 | 11,798 | 33,816 | 34,132 |
| Compact fluorescent | 2,302 | Q | 478 | 920 | 895 | 53,816 | Q | 6,202 | 25,376 | 22,087 |
| High-intensity discharge (HID) | 525 | Q | 78 | 227 | 220 | 23,396 | Q | 2,418 | 11,003 | 9,929 |
| Halogen | 905 | Q | 165 | 413 | 326 | 28,059 | Q | 2,884 | 15,045 | 10,084 |
| LED | 473 | Q | 76 | 222 | 174 | 22,071 | Q | 1,937 | 11,847 | 8,278 |
| Other | 10 | N | Q | Q | Q | 446 | N | Q | Q | Q |
### Table B36. Percent of floorspace lit when open, number of buildings and floorspace, 2012

<table>
<thead>
<tr>
<th>Window and interior lighting features (more than one may apply)</th>
<th>Number of buildings (thousand)</th>
<th>Total floorspace (million square feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>All buildings</td>
<td>Not lit when open</td>
</tr>
<tr>
<td>All buildings</td>
<td>5,557</td>
<td>570</td>
</tr>
<tr>
<td>Multipaned windows</td>
<td>3,012</td>
<td>127</td>
</tr>
<tr>
<td>Tinted window glass</td>
<td>1,875</td>
<td>61</td>
</tr>
<tr>
<td>Reflective window glass</td>
<td>549</td>
<td>Q</td>
</tr>
<tr>
<td>External overhangs or awnings</td>
<td>1,867</td>
<td>58</td>
</tr>
<tr>
<td>Skylights or atriums</td>
<td>591</td>
<td>19</td>
</tr>
<tr>
<td>Light scheduling</td>
<td>918</td>
<td>Q</td>
</tr>
<tr>
<td>Occupancy sensors</td>
<td>813</td>
<td>Q</td>
</tr>
<tr>
<td>Multi-level lighting or dimming</td>
<td>349</td>
<td>Q</td>
</tr>
<tr>
<td>Daylight harvesting</td>
<td>125</td>
<td>Q</td>
</tr>
<tr>
<td>Demand responsive lighting</td>
<td>176</td>
<td>N</td>
</tr>
<tr>
<td>Building automation system (BAS) for lighting</td>
<td>208</td>
<td>Q</td>
</tr>
<tr>
<td>Equipment usage reduced when building not in full use (more than one may apply)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Heating</td>
<td>3,699</td>
<td>68</td>
</tr>
<tr>
<td>Cooling</td>
<td>3,517</td>
<td>48</td>
</tr>
<tr>
<td>Lighting</td>
<td>4,757</td>
<td>N</td>
</tr>
</tbody>
</table>

1Not lit when open includes buildings that were zero percent lit when open, buildings that were never open, and buildings that did not use any electricity. Some buildings that were never open, such as vacant buildings, still used some lighting.

2These 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).

3In 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.

Notes: ● Because of rounding, data may not sum to totals. ● See Guide to the 2012 CBECS Detailed Tables or CBECS Terminology for definition 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/

Table B37. Heated, cooled, and lit buildings, floorspace, 2012

<table>
<thead>
<tr>
<th>Building floorspace (square feet)</th>
<th>Heated buildings</th>
<th>Cooled buildings</th>
<th>Lit buildings</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Total floor-space in all buildings</td>
<td>Total floor-space</td>
<td>Total floor-space</td>
</tr>
<tr>
<td>All buildings</td>
<td>87,093</td>
<td>80,078</td>
<td>70,053</td>
</tr>
<tr>
<td>1,001 to 5,000</td>
<td>8,041</td>
<td>6,699</td>
<td>5,833</td>
</tr>
<tr>
<td>5,001 to 10,000</td>
<td>8,900</td>
<td>7,590</td>
<td>6,316</td>
</tr>
<tr>
<td>10,001 to 25,000</td>
<td>14,105</td>
<td>12,744</td>
<td>10,540</td>
</tr>
<tr>
<td>25,001 to 50,000</td>
<td>11,917</td>
<td>10,911</td>
<td>9,638</td>
</tr>
<tr>
<td>50,001 to 100,000</td>
<td>13,918</td>
<td>13,114</td>
<td>11,649</td>
</tr>
<tr>
<td>100,001 to 200,000</td>
<td>12,415</td>
<td>11,941</td>
<td>10,819</td>
</tr>
<tr>
<td>200,001 to 500,000</td>
<td>10,724</td>
<td>10,348</td>
<td>9,124</td>
</tr>
<tr>
<td>Over 500,000</td>
<td>7,074</td>
<td>6,730</td>
<td>6,133</td>
</tr>
<tr>
<td>Principal building activity</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Education</td>
<td>12,239</td>
<td>12,099</td>
<td>11,701</td>
</tr>
<tr>
<td>Food sales</td>
<td>1,252</td>
<td>1,196</td>
<td>1,092</td>
</tr>
<tr>
<td>Food service</td>
<td>1,819</td>
<td>1,762</td>
<td>1,589</td>
</tr>
<tr>
<td>Health care</td>
<td>4,155</td>
<td>4,109</td>
<td>3,973</td>
</tr>
<tr>
<td>Inpatient</td>
<td>2,374</td>
<td>2,354</td>
<td>2,314</td>
</tr>
<tr>
<td>Outpatient</td>
<td>1,781</td>
<td>1,754</td>
<td>1,659</td>
</tr>
<tr>
<td>Lodging</td>
<td>5,826</td>
<td>5,696</td>
<td>5,427</td>
</tr>
<tr>
<td>Mercantile</td>
<td>11,330</td>
<td>10,794</td>
<td>9,620</td>
</tr>
<tr>
<td>Office</td>
<td>15,952</td>
<td>15,753</td>
<td>14,677</td>
</tr>
<tr>
<td>Public assembly</td>
<td>5,559</td>
<td>5,323</td>
<td>4,795</td>
</tr>
<tr>
<td>Public order and safety</td>
<td>1,440</td>
<td>1,391</td>
<td>1,293</td>
</tr>
<tr>
<td>Religious worship</td>
<td>4,557</td>
<td>4,511</td>
<td>4,074</td>
</tr>
<tr>
<td>Service</td>
<td>4,630</td>
<td>4,157</td>
<td>3,449</td>
</tr>
<tr>
<td>Warehouse and storage</td>
<td>13,077</td>
<td>9,987</td>
<td>5,997</td>
</tr>
<tr>
<td>Other</td>
<td>2,002</td>
<td>1,886</td>
<td>1,519</td>
</tr>
<tr>
<td>Vacant</td>
<td>3,256</td>
<td>1,415</td>
<td>850</td>
</tr>
<tr>
<td>Year constructed</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Before 1920</td>
<td>3,983</td>
<td>3,583</td>
<td>2,931</td>
</tr>
<tr>
<td>1920 to 1945</td>
<td>6,025</td>
<td>5,527</td>
<td>4,944</td>
</tr>
<tr>
<td>1946 to 1959</td>
<td>7,381</td>
<td>6,895</td>
<td>6,029</td>
</tr>
<tr>
<td>1960 to 1969</td>
<td>10,362</td>
<td>9,730</td>
<td>8,688</td>
</tr>
<tr>
<td>1970 to 1979</td>
<td>10,846</td>
<td>10,045</td>
<td>8,771</td>
</tr>
<tr>
<td>1980 to 1989</td>
<td>15,230</td>
<td>13,723</td>
<td>11,608</td>
</tr>
<tr>
<td>1990 to 1999</td>
<td>13,803</td>
<td>12,389</td>
<td>10,880</td>
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<tr>
<td>2000 to 2003</td>
<td>7,215</td>
<td>6,707</td>
<td>5,984</td>
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<tr>
<td>2004 to 2007</td>
<td>6,524</td>
<td>5,972</td>
<td>5,255</td>
</tr>
<tr>
<td>2008 to 2012</td>
<td>5,723</td>
<td>5,505</td>
<td>4,963</td>
</tr>
</tbody>
</table>
### Table B37. Heated, cooled, and lit buildings, floorspace, 2012

#### Total floorspace (million square feet)

<table>
<thead>
<tr>
<th></th>
<th>Heated buildings</th>
<th>Cooled buildings</th>
<th>Lit buildings</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Total floor-space in all buildings</td>
<td>Total floor-space</td>
<td>Total floor-space</td>
</tr>
<tr>
<td>All buildings</td>
<td>87,093</td>
<td>80,078</td>
<td>70,053</td>
</tr>
<tr>
<td>Census region and division</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Northeast</td>
<td>15,534</td>
<td>15,053</td>
<td>13,754</td>
</tr>
<tr>
<td>New England</td>
<td>4,302</td>
<td>4,090</td>
<td>3,700</td>
</tr>
<tr>
<td>Middle Atlantic</td>
<td>11,232</td>
<td>10,963</td>
<td>10,054</td>
</tr>
<tr>
<td>Midwest</td>
<td>18,919</td>
<td>18,055</td>
<td>16,707</td>
</tr>
<tr>
<td>East North Central</td>
<td>12,742</td>
<td>12,240</td>
<td>11,467</td>
</tr>
<tr>
<td>West North Central</td>
<td>6,178</td>
<td>5,815</td>
<td>5,241</td>
</tr>
<tr>
<td>South</td>
<td>34,279</td>
<td>30,499</td>
<td>26,530</td>
</tr>
<tr>
<td>South Atlantic</td>
<td>17,981</td>
<td>15,883</td>
<td>13,817</td>
</tr>
<tr>
<td>East South Central</td>
<td>4,904</td>
<td>4,692</td>
<td>4,169</td>
</tr>
<tr>
<td>West South Central</td>
<td>11,394</td>
<td>9,923</td>
<td>8,544</td>
</tr>
<tr>
<td>West</td>
<td>18,360</td>
<td>16,471</td>
<td>13,061</td>
</tr>
<tr>
<td>Mountain</td>
<td>4,981</td>
<td>4,704</td>
<td>4,157</td>
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<tr>
<td>Pacific</td>
<td>13,379</td>
<td>11,767</td>
<td>8,904</td>
</tr>
<tr>
<td>Climate region^3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Very cold/Cold</td>
<td>31,898</td>
<td>30,469</td>
<td>28,057</td>
</tr>
<tr>
<td>Mixed-humid</td>
<td>27,873</td>
<td>26,716</td>
<td>24,044</td>
</tr>
<tr>
<td>Mixed-dry/Hot-dry</td>
<td>12,037</td>
<td>10,484</td>
<td>7,628</td>
</tr>
<tr>
<td>Hot-humid</td>
<td>12,831</td>
<td>10,090</td>
<td>8,390</td>
</tr>
<tr>
<td>Marine</td>
<td>2,454</td>
<td>2,319</td>
<td>1,934</td>
</tr>
<tr>
<td>Number of floors</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>One</td>
<td>39,809</td>
<td>34,513</td>
<td>28,983</td>
</tr>
<tr>
<td>Two</td>
<td>20,206</td>
<td>19,411</td>
<td>16,889</td>
</tr>
<tr>
<td>Three</td>
<td>8,140</td>
<td>7,896</td>
<td>7,187</td>
</tr>
<tr>
<td>Four to nine</td>
<td>13,535</td>
<td>12,992</td>
<td>12,096</td>
</tr>
<tr>
<td>Ten or more</td>
<td>5,404</td>
<td>5,265</td>
<td>4,897</td>
</tr>
<tr>
<td>Number of workers (main shift)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fewer than 5</td>
<td>17,751</td>
<td>12,931</td>
<td>10,634</td>
</tr>
<tr>
<td>5 to 9</td>
<td>8,973</td>
<td>8,492</td>
<td>6,675</td>
</tr>
<tr>
<td>10 to 19</td>
<td>9,623</td>
<td>8,970</td>
<td>7,512</td>
</tr>
<tr>
<td>20 to 49</td>
<td>14,514</td>
<td>14,126</td>
<td>12,147</td>
</tr>
<tr>
<td>50 to 99</td>
<td>13,476</td>
<td>13,184</td>
<td>12,156</td>
</tr>
<tr>
<td>100 to 249</td>
<td>10,941</td>
<td>10,805</td>
<td>10,065</td>
</tr>
<tr>
<td>250 or more</td>
<td>11,815</td>
<td>11,570</td>
<td>10,864</td>
</tr>
<tr>
<td>Weekly operating hours</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fewer than 40</td>
<td>8,220</td>
<td>5,763</td>
<td>4,938</td>
</tr>
<tr>
<td>40 to 48</td>
<td>15,828</td>
<td>14,867</td>
<td>12,442</td>
</tr>
<tr>
<td>49 to 60</td>
<td>20,529</td>
<td>19,365</td>
<td>16,689</td>
</tr>
<tr>
<td>61 to 84</td>
<td>15,867</td>
<td>15,148</td>
<td>13,308</td>
</tr>
<tr>
<td>85 to 167</td>
<td>9,395</td>
<td>8,711</td>
<td>7,790</td>
</tr>
<tr>
<td>Open continuously</td>
<td>17,253</td>
<td>16,224</td>
<td>14,886</td>
</tr>
</tbody>
</table>
Table B37. Heated, cooled, and lit buildings, floorspace, 2012

<table>
<thead>
<tr>
<th>Energy sources (more than one may apply)</th>
<th>Heated buildings</th>
<th>Cooled buildings</th>
<th>Lit buildings</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Total floor-space</td>
<td>Total floor-space</td>
<td>Total floor-space</td>
</tr>
<tr>
<td>All buildings</td>
<td>87,093</td>
<td>80,078</td>
<td>70,053</td>
</tr>
<tr>
<td></td>
<td>79,294</td>
<td>60,998</td>
<td>83,569</td>
</tr>
<tr>
<td></td>
<td>68,729</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Energy sources (more than one may apply)

<table>
<thead>
<tr>
<th>Energy source</th>
<th>Total floor-space</th>
<th>Total floor-space</th>
<th>Total floor-space</th>
<th>Total floor-space</th>
<th>Total floor-space</th>
<th>Total floor-space</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric</td>
<td>84,869</td>
<td>80,053</td>
<td>70,042</td>
<td>60,998</td>
<td>83,569</td>
<td>68,729</td>
</tr>
<tr>
<td>Natural gas</td>
<td>58,725</td>
<td>58,129</td>
<td>52,163</td>
<td>44,163</td>
<td>58,278</td>
<td>48,925</td>
</tr>
<tr>
<td>Fuel oil</td>
<td>20,200</td>
<td>19,670</td>
<td>17,668</td>
<td>15,819</td>
<td>20,120</td>
<td>17,541</td>
</tr>
<tr>
<td>District heat</td>
<td>5,964</td>
<td>5,962</td>
<td>5,766</td>
<td>5,256</td>
<td>5,873</td>
<td>5,073</td>
</tr>
<tr>
<td>District chilled water</td>
<td>4,608</td>
<td>4,561</td>
<td>4,420</td>
<td>4,282</td>
<td>4,545</td>
<td>3,952</td>
</tr>
<tr>
<td>Propane</td>
<td>7,706</td>
<td>7,332</td>
<td>5,993</td>
<td>4,567</td>
<td>7,652</td>
<td>6,352</td>
</tr>
<tr>
<td>Other</td>
<td>3,826</td>
<td>3,826</td>
<td>3,413</td>
<td>2,470</td>
<td>3,784</td>
<td>3,189</td>
</tr>
</tbody>
</table>

Space-heating energy sources (more than one may apply)

<table>
<thead>
<tr>
<th>Energy source</th>
<th>Total floor-space</th>
<th>Total floor-space</th>
<th>Total floor-space</th>
<th>Total floor-space</th>
<th>Total floor-space</th>
<th>Total floor-space</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric</td>
<td>49,030</td>
<td>49,030</td>
<td>42,273</td>
<td>47,914</td>
<td>37,789</td>
<td>48,789</td>
</tr>
<tr>
<td>Natural gas</td>
<td>49,511</td>
<td>49,511</td>
<td>44,372</td>
<td>47,836</td>
<td>36,284</td>
<td>49,150</td>
</tr>
<tr>
<td>Fuel oil</td>
<td>4,351</td>
<td>4,351</td>
<td>3,691</td>
<td>3,660</td>
<td>3,413</td>
<td>3,573</td>
</tr>
<tr>
<td>District heat</td>
<td>5,925</td>
<td>5,925</td>
<td>5,730</td>
<td>5,864</td>
<td>5,730</td>
<td>5,073</td>
</tr>
<tr>
<td>District chilled water</td>
<td>4,608</td>
<td>4,561</td>
<td>4,420</td>
<td>4,282</td>
<td>4,545</td>
<td>3,952</td>
</tr>
<tr>
<td>Propane</td>
<td>3,067</td>
<td>3,067</td>
<td>2,578</td>
<td>2,685</td>
<td>2,470</td>
<td>2,437</td>
</tr>
<tr>
<td>Other</td>
<td>1,010</td>
<td>1,010</td>
<td>889</td>
<td>821</td>
<td>985</td>
<td>819</td>
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</table>

Primary space-heating energy source

<table>
<thead>
<tr>
<th>Energy source</th>
<th>Total floor-space</th>
<th>Total floor-space</th>
<th>Total floor-space</th>
<th>Total floor-space</th>
<th>Total floor-space</th>
<th>Total floor-space</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric</td>
<td>26,205</td>
<td>26,205</td>
<td>21,478</td>
<td>25,613</td>
<td>20,608</td>
<td>26,013</td>
</tr>
<tr>
<td>Natural gas</td>
<td>42,988</td>
<td>42,988</td>
<td>38,698</td>
<td>41,435</td>
<td>31,193</td>
<td>42,684</td>
</tr>
<tr>
<td>Fuel oil</td>
<td>2,542</td>
<td>2,542</td>
<td>2,146</td>
<td>1,984</td>
<td>1,243</td>
<td>2,479</td>
</tr>
<tr>
<td>District heat</td>
<td>5,797</td>
<td>5,797</td>
<td>5,603</td>
<td>5,736</td>
<td>5,097</td>
<td>5,706</td>
</tr>
<tr>
<td>District chilled water</td>
<td>1,948</td>
<td>1,948</td>
<td>1,604</td>
<td>1,643</td>
<td>1,145</td>
<td>1,928</td>
</tr>
<tr>
<td>Propane</td>
<td>598</td>
<td>598</td>
<td>524</td>
<td>425</td>
<td>573</td>
<td>453</td>
</tr>
</tbody>
</table>

Cooling energy sources (more than one may apply)

<table>
<thead>
<tr>
<th>Energy source</th>
<th>Total floor-space</th>
<th>Total floor-space</th>
<th>Total floor-space</th>
<th>Total floor-space</th>
<th>Total floor-space</th>
<th>Total floor-space</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric</td>
<td>76,034</td>
<td>73,613</td>
<td>64,523</td>
<td>76,034</td>
<td>57,966</td>
<td>75,680</td>
</tr>
<tr>
<td>Natural gas</td>
<td>732</td>
<td>732</td>
<td>699</td>
<td>732</td>
<td>614</td>
<td>732</td>
</tr>
<tr>
<td>District chilled water</td>
<td>4,608</td>
<td>4,561</td>
<td>4,420</td>
<td>4,608</td>
<td>4,282</td>
<td>4,545</td>
</tr>
</tbody>
</table>

Energy end uses (more than one may apply)

<table>
<thead>
<tr>
<th>Energy end uses (more than one may apply)</th>
<th>Total floor-space</th>
<th>Total floor-space</th>
<th>Total floor-space</th>
<th>Total floor-space</th>
<th>Total floor-space</th>
<th>Total floor-space</th>
</tr>
</thead>
<tbody>
<tr>
<td>Buildings with space heating</td>
<td>80,078</td>
<td>80,078</td>
<td>70,053</td>
<td>76,834</td>
<td>59,496</td>
<td>79,384</td>
</tr>
<tr>
<td>Buildings with cooling</td>
<td>79,294</td>
<td>76,834</td>
<td>67,641</td>
<td>79,294</td>
<td>60,998</td>
<td>78,876</td>
</tr>
<tr>
<td>Buildings with water heating</td>
<td>79,015</td>
<td>76,584</td>
<td>67,598</td>
<td>76,414</td>
<td>59,286</td>
<td>78,622</td>
</tr>
<tr>
<td>Buildings with cooking</td>
<td>38,546</td>
<td>37,771</td>
<td>35,200</td>
<td>37,887</td>
<td>32,069</td>
<td>38,494</td>
</tr>
<tr>
<td>Buildings with manufacturing</td>
<td>5,078</td>
<td>4,790</td>
<td>3,658</td>
<td>4,882</td>
<td>2,589</td>
<td>5,044</td>
</tr>
</tbody>
</table>

Percent of floorspace heated

<table>
<thead>
<tr>
<th>Percent of floorspace heated</th>
<th>Total floor-space</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not heated</td>
<td>7,015</td>
</tr>
<tr>
<td>1 to 50</td>
<td>10,130</td>
</tr>
<tr>
<td>51 to 99</td>
<td>14,650</td>
</tr>
<tr>
<td>100</td>
<td>55,298</td>
</tr>
<tr>
<td>All buildings</td>
<td>Total floorspace (million square feet)</td>
</tr>
<tr>
<td>---------------</td>
<td>--------------------------------------</td>
</tr>
<tr>
<td></td>
<td>Total floor-space in all buildings</td>
</tr>
<tr>
<td>All buildings</td>
<td>87,093</td>
</tr>
<tr>
<td>Percent of floorspace cooled</td>
<td></td>
</tr>
<tr>
<td>Not cooled</td>
<td>7,799</td>
</tr>
<tr>
<td>1 to 50</td>
<td>18,891</td>
</tr>
<tr>
<td>51 to 99</td>
<td>22,728</td>
</tr>
<tr>
<td>100</td>
<td>37,676</td>
</tr>
<tr>
<td>Percent lit when open</td>
<td></td>
</tr>
<tr>
<td>Zero</td>
<td>322</td>
</tr>
<tr>
<td>1 to 50</td>
<td>12,628</td>
</tr>
<tr>
<td>51 to 99</td>
<td>34,814</td>
</tr>
<tr>
<td>100</td>
<td>35,726</td>
</tr>
<tr>
<td>Building never open/electricity not used</td>
<td>3,603</td>
</tr>
<tr>
<td>Percent lit during off hours</td>
<td></td>
</tr>
<tr>
<td>Zero</td>
<td>24,746</td>
</tr>
<tr>
<td>1 to 50</td>
<td>50,753</td>
</tr>
<tr>
<td>51 to 100</td>
<td>6,926</td>
</tr>
<tr>
<td>Building always open with no &quot;off hours&quot;</td>
<td>2,443</td>
</tr>
<tr>
<td>Electricity not used</td>
<td>2,225</td>
</tr>
<tr>
<td>Heating equipment (more than one may apply)</td>
<td></td>
</tr>
<tr>
<td>Heat pumps</td>
<td>11,846</td>
</tr>
<tr>
<td>Furnaces</td>
<td>8,654</td>
</tr>
<tr>
<td>Individual space heaters</td>
<td>20,766</td>
</tr>
<tr>
<td>District heat</td>
<td>5,925</td>
</tr>
<tr>
<td>Boilers</td>
<td>22,443</td>
</tr>
<tr>
<td>Packaged heating units</td>
<td>49,188</td>
</tr>
<tr>
<td>Other</td>
<td>1,574</td>
</tr>
<tr>
<td>Cooling equipment (more than one may apply)</td>
<td></td>
</tr>
<tr>
<td>Residential-type central air conditioners</td>
<td>14,765</td>
</tr>
<tr>
<td>Heat pumps</td>
<td>12,538</td>
</tr>
<tr>
<td>Individual air conditioners</td>
<td>12,420</td>
</tr>
<tr>
<td>District chilled water</td>
<td>4,608</td>
</tr>
<tr>
<td>Central chillers</td>
<td>17,041</td>
</tr>
<tr>
<td>Packaged air conditioning units</td>
<td>45,153</td>
</tr>
<tr>
<td>Swamp coolers</td>
<td>1,918</td>
</tr>
<tr>
<td>Other</td>
<td>328</td>
</tr>
<tr>
<td>Main equipment replaced since 1990 (more than one may apply)</td>
<td></td>
</tr>
<tr>
<td>Heating</td>
<td>27,558</td>
</tr>
<tr>
<td>Cooling</td>
<td>30,702</td>
</tr>
</tbody>
</table>
### Table B37. Heated, cooled, and lit buildings, floorspace, 2012

#### Total floorspace (million square feet)

<table>
<thead>
<tr>
<th>Total floor-space in all buildings</th>
<th>Heated buildings</th>
<th>Cooled buildings</th>
<th>Lit buildings</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Total floor-space</td>
<td>Total floor-space</td>
<td>Total floor-space</td>
</tr>
<tr>
<td>All buildings</td>
<td>87,093</td>
<td>80,078</td>
<td>70,053</td>
</tr>
</tbody>
</table>

#### Lighting equipment types (more than one may apply)

| Incandescent | 38,406 | 37,292 | 33,783 | 37,119 | 30,223 | 38,406 | 32,035 |
| Standard fluorescent | 80,081 | 76,646 | 67,156 | 76,125 | 58,320 | 80,081 | 66,088 |
| Compact fluorescent | 53,816 | 52,287 | 47,539 | 52,285 | 43,263 | 53,816 | 45,420 |
| High-intensity discharge (HID) | 23,396 | 22,631 | 20,379 | 22,734 | 18,074 | 23,396 | 20,039 |
| Halogen | 28,059 | 27,225 | 24,188 | 27,618 | 20,039 | 28,059 | 23,727 |
| LED | 22,071 | 21,503 | 19,789 | 21,869 | 19,043 | 22,071 | 18,934 |
| Other | 446 | 446 | 425 | 446 | 399 | 446 | 411 |

#### HVAC conservation features (more than one may apply)

| Economizer cycle | 30,749 | 30,454 | 28,477 | 30,749 | 26,258 | 30,701 | 26,912 |
| Regular HVAC maintenance | 69,244 | 67,518 | 60,452 | 67,839 | 53,994 | 68,962 | 58,459 |
| Building automation system (BAS) | 37,051 | 36,511 | 34,076 | 36,692 | 32,185 | 36,901 | 32,428 |

#### Window and interior lighting features (more than one may apply)

| Multipaned windows | 60,362 | 58,245 | 52,455 | 57,518 | 45,595 | 59,205 | 49,654 |
| Tinted window glass | 45,025 | 42,793 | 37,690 | 43,491 | 34,652 | 44,068 | 37,216 |
| Reflective window glass | 15,908 | 15,400 | 13,691 | 15,527 | 12,738 | 15,759 | 13,298 |
| External overhangs or awnings | 32,188 | 30,924 | 27,484 | 31,133 | 25,021 | 31,869 | 26,800 |
| Skylights or atriums | 22,261 | 21,202 | 18,304 | 21,448 | 16,210 | 21,902 | 18,386 |
| Light scheduling | 30,263 | 29,204 | 26,385 | 29,761 | 24,861 | 30,263 | 26,079 |
| Occupancy sensors | 35,871 | 34,823 | 31,608 | 35,098 | 28,425 | 35,871 | 30,532 |
| Multi-level lighting or dimming | 14,534 | 14,097 | 12,860 | 14,318 | 12,501 | 14,534 | 12,338 |
| Daylight harvesting | 6,114 | 5,960 | 5,467 | 5,936 | 5,019 | 6,114 | 5,231 |
| Demand responsive lighting | 4,738 | 4,579 | 4,387 | 4,598 | 3,629 | 4,738 | 3,884 |
| Building automation system (BAS) for lighting | 12,068 | 11,783 | 10,834 | 11,995 | 10,613 | 12,068 | 10,746 |

#### Equipment usage reduced when building not in full use (more than one may apply)

| Heating | 63,167 | 63,167 | 55,499 | 61,087 | 47,343 | 62,669 | 52,102 |
| Cooling | 62,516 | 60,904 | 53,675 | 62,516 | 48,459 | 62,156 | 51,809 |
| Lighting | 78,594 | 74,955 | 65,699 | 74,511 | 57,207 | 78,594 | 65,361 |
## Table B37. Heated, cooled, and lit buildings, floorspace, 2012

<table>
<thead>
<tr>
<th>Total floorspace (million square feet)</th>
<th>Heated buildings</th>
<th>Cooled buildings</th>
<th>Lit buildings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total floor-space in all buildings</td>
<td>Total floor-space$^1$</td>
<td>Total floor-space$^2$</td>
<td>Total floor-space$^1$</td>
</tr>
<tr>
<td>All buildings</td>
<td>87,093</td>
<td>80,078</td>
<td>70,053</td>
</tr>
</tbody>
</table>

$^1$Total floor-space refers to all floorspace in heated, cooled, or lit buildings, respectively, including the floorspace that was not heated cooled, or lit.

$^2$Heated floorspace, Cooled floorspace, and Lit floorspace refer only to the portion of the floorspace in these buildings that was reported to be heated, cooled, or lit.

$^3$These 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).

$^4$In 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.

Notes: ● Because of rounding, data may not sum to totals. ● See Guide to the 2012 CBECs Detailed Tables or CBECs Terminology for definition 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/