Table CE5.5b  Detailed household electricity end-use expenditures, part 2—totals, 2015

<table>
<thead>
<tr>
<th>Total electricity expenditures¹ (billion dollars)</th>
<th>All refrigerators</th>
<th>Most-used refrigerators</th>
<th>Second refrigerators</th>
<th>Separate freezers</th>
<th>Cooking²</th>
<th>Microwaves</th>
<th>Dishwashers</th>
<th>All TVs and related³</th>
<th>Most-used TVs</th>
<th>Second TVs</th>
<th>Pool pumps</th>
<th>Hot tub pumps</th>
<th>Hot tub heaters</th>
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**Census urban/rural classification⁴**

| Urban                                              | 9.63              | 7.66                   | 1.58                 | 1.66             | 1.77     | 1.53       | 0.77       | 9.64              | 2.93           | 1.06       | 1.26       | 0.16           | 0.38           |
| Urbanized area                                     | 8.49              | 6.75                   | 1.39                 | 1.37             | 1.52     | 1.33       | 0.69       | 8.56              | 2.58           | 0.93       | 1.17       | 0.15           | 0.35           |
| Urban cluster                                      | 1.14              | 0.91                   | 0.19                 | 0.29             | 0.25     | 0.20       | 0.08       | 1.08              | 0.36           | 0.13       | 0.09       | 0.01           | 0.03           |
| Rural                                              | 2.44              | 1.79                   | 0.55                 | 0.95             | 0.57     | 0.35       | 0.18       | 2.22              | 0.71           | 0.25       | 0.33       | 0.08           | 0.26           |

U.S. Energy Information Administration
2015 Residential Energy Consumption Survey: Energy Consumption and Expenditures Tables
Table CE5.5b  Detailed household electricity end-use expenditures, part 2—totals, 2015

<table>
<thead>
<tr>
<th>Total electricity expenditures¹ (billion dollars)</th>
<th>All refrigerators</th>
<th>Most-used refrigerators</th>
<th>Second refrigerators</th>
<th>Separate freezers</th>
<th>Cooking²</th>
<th>Microwaves</th>
<th>Dishwashers</th>
<th>All TVs and related³</th>
<th>Most-used TVs</th>
<th>Second TVs</th>
<th>Pool pumps</th>
<th>Hot tub pumps</th>
<th>Hot tub heaters</th>
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<td>1.89</td>
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<td>0.05</td>
<td>0.65</td>
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U.S. Energy Information Administration
2015 Residential Energy Consumption Survey: Energy Consumption and Expenditures Tables
**Table CE5.5b  Detailed household electricity end-use expenditures, part 2—totals, 2015**

<table>
<thead>
<tr>
<th>Total electricity expenditures¹ (billion dollars)</th>
<th>All refrigerators</th>
<th>Most-used refrigerators</th>
<th>Second refrigerators</th>
<th>Separate freezers</th>
<th>Cooking²</th>
<th>Microwaves</th>
<th>Dishwashers</th>
<th>All TVs and related³</th>
<th>Most-used TVs</th>
<th>Second TVs</th>
<th>Pool pumps</th>
<th>Hot tub pumps</th>
<th>Hot tub heaters</th>
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</thead>
<tbody>
<tr>
<td>All homes</td>
<td>12.07</td>
<td>9.45</td>
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**Ownership of housing unit**

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<th>Second refrigerators</th>
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<th>Dishwashers</th>
<th>All TVs and related³</th>
<th>Most-used TVs</th>
<th>Second TVs</th>
<th>Pool pumps</th>
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<td>1.11</td>
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<td>0.10</td>
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<td>0.48</td>
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<td>0.28</td>
<td>N</td>
<td>Q</td>
<td>Q</td>
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<tr>
<td>Mobile homes</td>
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**Year of construction**

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<th>Year of construction</th>
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<th>Cooking²</th>
<th>Microwaves</th>
<th>Dishwashers</th>
<th>All TVs and related³</th>
<th>Most-used TVs</th>
<th>Second TVs</th>
<th>Pool pumps</th>
<th>Hot tub pumps</th>
<th>Hot tub heaters</th>
</tr>
</thead>
<tbody>
<tr>
<td>Before 1950</td>
<td>2.00</td>
<td>1.68</td>
<td>0.27</td>
<td>0.52</td>
<td>0.33</td>
<td>0.36</td>
<td>0.12</td>
<td>2.05</td>
<td>0.65</td>
<td>0.24</td>
<td>0.11</td>
<td>0.03</td>
<td>0.09</td>
</tr>
<tr>
<td>1950 to 1959</td>
<td>1.25</td>
<td>1.00</td>
<td>0.21</td>
<td>0.30</td>
<td>0.24</td>
<td>0.21</td>
<td>0.08</td>
<td>1.31</td>
<td>0.43</td>
<td>0.14</td>
<td>0.13</td>
<td>0.01</td>
<td>0.03</td>
</tr>
<tr>
<td>1960 to 1969</td>
<td>1.26</td>
<td>0.98</td>
<td>0.21</td>
<td>0.25</td>
<td>0.25</td>
<td>0.21</td>
<td>0.08</td>
<td>1.27</td>
<td>0.41</td>
<td>0.14</td>
<td>0.15</td>
<td>0.01</td>
<td>0.04</td>
</tr>
<tr>
<td>1970 to 1979</td>
<td>1.80</td>
<td>1.42</td>
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<td>0.39</td>
<td>0.29</td>
<td>0.14</td>
<td>1.75</td>
<td>0.57</td>
<td>0.20</td>
<td>0.24</td>
<td>0.03</td>
<td>0.07</td>
</tr>
<tr>
<td>1980 to 1989</td>
<td>1.62</td>
<td>1.28</td>
<td>0.29</td>
<td>0.32</td>
<td>0.36</td>
<td>0.25</td>
<td>0.13</td>
<td>1.56</td>
<td>0.51</td>
<td>0.18</td>
<td>0.29</td>
<td>0.04</td>
<td>0.12</td>
</tr>
<tr>
<td>1990 to 1999</td>
<td>1.85</td>
<td>1.38</td>
<td>0.37</td>
<td>0.39</td>
<td>0.33</td>
<td>0.26</td>
<td>0.16</td>
<td>1.73</td>
<td>0.49</td>
<td>0.18</td>
<td>0.32</td>
<td>0.05</td>
<td>0.11</td>
</tr>
<tr>
<td>2000 to 2009</td>
<td>1.94</td>
<td>1.41</td>
<td>0.39</td>
<td>0.35</td>
<td>0.25</td>
<td>0.26</td>
<td>0.19</td>
<td>1.80</td>
<td>0.48</td>
<td>0.18</td>
<td>0.31</td>
<td>0.06</td>
<td>0.16</td>
</tr>
<tr>
<td>2010 to 2015</td>
<td>0.35</td>
<td>0.29</td>
<td>0.05</td>
<td>0.07</td>
<td>0.09</td>
<td>0.06</td>
<td>0.05</td>
<td>0.39</td>
<td>0.11</td>
<td>0.05</td>
<td>0.04</td>
<td>0.01</td>
<td>Q</td>
</tr>
</tbody>
</table>

**Total square footage⁷**

<table>
<thead>
<tr>
<th>Total square footage</th>
<th>All homes</th>
<th>Most-used refrigerators</th>
<th>Second refrigerators</th>
<th>Separate freezers</th>
<th>Cooking²</th>
<th>Microwaves</th>
<th>Dishwashers</th>
<th>All TVs and related³</th>
<th>Most-used TVs</th>
<th>Second TVs</th>
<th>Pool pumps</th>
<th>Hot tub pumps</th>
<th>Hot tub heaters</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fewer than 1,000</td>
<td>2.01</td>
<td>1.92</td>
<td>0.08</td>
<td>0.20</td>
<td>0.39</td>
<td>0.36</td>
<td>0.10</td>
<td>2.08</td>
<td>0.79</td>
<td>0.26</td>
<td>Q</td>
<td>0.01</td>
<td>0.03</td>
</tr>
<tr>
<td>1,000 to 1,499</td>
<td>2.27</td>
<td>1.95</td>
<td>0.28</td>
<td>0.43</td>
<td>0.47</td>
<td>0.38</td>
<td>0.17</td>
<td>2.46</td>
<td>0.84</td>
<td>0.31</td>
<td>0.11</td>
<td>0.02</td>
<td>0.06</td>
</tr>
<tr>
<td>1,500 to 1,999</td>
<td>1.85</td>
<td>1.41</td>
<td>0.37</td>
<td>0.45</td>
<td>0.35</td>
<td>0.28</td>
<td>0.15</td>
<td>1.72</td>
<td>0.53</td>
<td>0.18</td>
<td>0.31</td>
<td>0.03</td>
<td>0.09</td>
</tr>
<tr>
<td>2,000 to 2,499</td>
<td>1.60</td>
<td>1.20</td>
<td>0.34</td>
<td>0.43</td>
<td>0.30</td>
<td>0.23</td>
<td>0.13</td>
<td>1.50</td>
<td>0.44</td>
<td>0.17</td>
<td>0.24</td>
<td>0.05</td>
<td>0.12</td>
</tr>
<tr>
<td>2,500 to 2,999</td>
<td>1.27</td>
<td>0.93</td>
<td>0.29</td>
<td>0.32</td>
<td>0.26</td>
<td>0.19</td>
<td>0.11</td>
<td>1.18</td>
<td>0.34</td>
<td>0.13</td>
<td>0.24</td>
<td>0.03</td>
<td>0.08</td>
</tr>
<tr>
<td>3,000 or greater</td>
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<td>2.03</td>
<td>0.77</td>
<td>0.78</td>
<td>0.58</td>
<td>0.44</td>
<td>0.30</td>
<td>2.93</td>
<td>0.71</td>
<td>0.27</td>
<td>0.67</td>
<td>0.10</td>
<td>0.26</td>
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</table>
### Table CE5.5b Detailed household electricity end-use expenditures, part 2—totals, 2015

<table>
<thead>
<tr>
<th></th>
<th>Total electricity expenditures(^{1}) (billion dollars)</th>
<th></th>
<th>All refrigerators</th>
<th>Most-used refrigerators</th>
<th>Second refrigerators</th>
<th>Separate freezers</th>
<th>Cooking(^{2})</th>
<th>Microwaves</th>
<th>Dishwashers</th>
<th>All TVs and related(^{3})</th>
<th>Most-used TVs</th>
<th>Second TVs</th>
<th>Pool pumps</th>
<th>Hot tub pumps</th>
<th>Hot tub heaters</th>
</tr>
</thead>
<tbody>
<tr>
<td>All homes</td>
<td>12.07</td>
<td>9.45</td>
<td>2.12</td>
<td>2.61</td>
<td>2.34</td>
<td>1.89</td>
<td>0.96</td>
<td>11.86</td>
<td>3.64</td>
<td>1.31</td>
<td>1.59</td>
<td>0.24</td>
<td>0.64</td>
<td></td>
<td></td>
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</tbody>
</table>

#### Number of household members

<table>
<thead>
<tr>
<th>Number of household members</th>
<th>All homes</th>
<th>1 member</th>
<th>2 members</th>
<th>3 members</th>
<th>4 members</th>
<th>5 members</th>
<th>6 or more members</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>12.07</td>
<td>2.49</td>
<td>4.52</td>
<td>2.04</td>
<td>1.72</td>
<td>0.78</td>
<td>0.52</td>
</tr>
<tr>
<td></td>
<td></td>
<td>9.45</td>
<td>2.22</td>
<td>3.47</td>
<td>1.59</td>
<td>0.55</td>
<td>0.36</td>
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<td>0.39</td>
<td>1.16</td>
<td>0.43</td>
<td>0.17</td>
<td>0.15</td>
</tr>
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<td>0.41</td>
<td>0.20</td>
<td>0.12</td>
</tr>
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<td></td>
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<td>0.36</td>
<td>0.67</td>
<td>0.33</td>
<td>0.13</td>
<td>0.11</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.96</td>
<td>0.11</td>
<td>0.34</td>
<td>0.18</td>
<td>0.09</td>
<td>0.05</td>
</tr>
<tr>
<td></td>
<td></td>
<td>11.86</td>
<td>1.92</td>
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<td>1.31</td>
<td>0.19</td>
<td>0.46</td>
<td>0.25</td>
<td>0.29</td>
<td>0.08</td>
</tr>
<tr>
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<td></td>
<td>1.59</td>
<td>0.13</td>
<td>0.64</td>
<td>0.28</td>
<td>0.29</td>
<td>0.04</td>
</tr>
<tr>
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<td></td>
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<td>0.12</td>
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<td>0.05</td>
<td>0.33</td>
<td>0.08</td>
<td>0.08</td>
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</tbody>
</table>

#### 2015 annual household income

<table>
<thead>
<tr>
<th>2015 annual household income</th>
<th>All homes</th>
<th>1 member</th>
<th>2 members</th>
<th>3 members</th>
<th>4 members</th>
<th>5 members</th>
<th>6 or more members</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less than $20,000</td>
<td>1.74</td>
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<td>1.78</td>
<td>1.61</td>
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<td>0.69</td>
</tr>
<tr>
<td>$20,000 to $39,999</td>
<td>2.49</td>
<td>2.09</td>
<td>2.04</td>
<td>1.73</td>
<td>0.97</td>
<td>0.69</td>
<td>0.69</td>
</tr>
<tr>
<td>$40,000 to $59,999</td>
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<td>0.97</td>
<td>0.69</td>
<td>0.69</td>
</tr>
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<td>1.23</td>
<td>1.72</td>
<td>1.57</td>
<td>0.97</td>
<td>0.69</td>
<td>0.69</td>
</tr>
<tr>
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<td>0.84</td>
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<td>1.20</td>
<td>0.97</td>
<td>0.69</td>
<td>0.69</td>
</tr>
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<td>$100,000 to $119,999</td>
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<td>0.72</td>
<td>1.17</td>
<td>1.16</td>
<td>0.97</td>
<td>0.69</td>
<td>0.69</td>
</tr>
<tr>
<td>$120,000 to $139,999</td>
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<td>0.49</td>
<td>0.97</td>
<td>0.97</td>
<td>0.97</td>
<td>0.69</td>
<td>0.69</td>
</tr>
<tr>
<td>$140,000 or more</td>
<td>1.64</td>
<td>1.08</td>
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<td>0.52</td>
<td>0.52</td>
<td>0.52</td>
<td>0.52</td>
</tr>
</tbody>
</table>

#### Payment method for energy bills

<table>
<thead>
<tr>
<th>Payment method for energy bills</th>
<th>All paid by household</th>
<th>Some paid by household, some included in rent or condo fee</th>
<th>Some paid by household, some included in rent or condo fee</th>
<th>Some other method</th>
</tr>
</thead>
<tbody>
<tr>
<td>All paid by household</td>
<td>11.00</td>
<td>0.57</td>
<td>0.44</td>
<td>0.06</td>
</tr>
<tr>
<td>Some paid by household, some</td>
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<td>8.44</td>
<td>0.56</td>
<td>0.40</td>
</tr>
<tr>
<td>included in rent or condo fee</td>
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<td>2.08</td>
<td>0.01</td>
<td>0.03</td>
</tr>
<tr>
<td>Some paid by household, some</td>
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<td>2.51</td>
<td>0.04</td>
<td>0.04</td>
</tr>
<tr>
<td>included in rent or condo fee</td>
<td></td>
<td>2.17</td>
<td>0.07</td>
<td>0.08</td>
</tr>
<tr>
<td>Some other method</td>
<td></td>
<td>1.70</td>
<td>0.09</td>
<td>0.09</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.90</td>
<td>0.03</td>
<td>0.02</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10.71</td>
<td>0.53</td>
<td>0.03</td>
</tr>
<tr>
<td></td>
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<td>3.23</td>
<td>0.18</td>
<td>0.06</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1.18</td>
<td>0.06</td>
<td>Q</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>0.62</td>
<td>0.17</td>
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</tbody>
</table>

U.S. Energy Information Administration

2015 Residential Energy Consumption Survey: Energy Consumption and Expenditures Tables
### Table CE5.5b  Detailed household electricity end-use expenditures, part 2—totals, 2015

<table>
<thead>
<tr>
<th>Total electricity expenditures(^1) (billion dollars)</th>
<th>All refrigerators</th>
<th>Most-used refrigerators</th>
<th>Second refrigerators</th>
<th>Separate freezers</th>
<th>Cooking(^2)</th>
<th>Microwaves</th>
<th>Dishwashers</th>
<th>All TVs and related(^3)</th>
<th>Most-used TVs</th>
<th>Second TVs</th>
<th>Pool pumps</th>
<th>Hot tub pumps</th>
<th>Hot tub heaters</th>
</tr>
</thead>
<tbody>
<tr>
<td>All homes</td>
<td>12.07</td>
<td>9.45</td>
<td>2.12</td>
<td>2.61</td>
<td>2.34</td>
<td>1.89</td>
<td>0.96</td>
<td>11.86</td>
<td>3.64</td>
<td>1.31</td>
<td>1.59</td>
<td>0.24</td>
<td>0.64</td>
</tr>
</tbody>
</table>

\(^1\)Small amounts of standby power for devices that some households have but do not use (e.g., dishwasher) are not included.

\(^2\)Includes stoves (units with both a cooktop and an oven), separate cooktops, and separate ovens. Microwaves, small kitchen appliances, and outdoor cooking are excluded.

\(^3\)Includes TVs and peripherals such as cable/satellite boxes, DVRs, video game consoles, DVD/Blu-ray players, VCRs, and Internet streaming devices.

\(^4\)Housing units are classified using criteria created by the U.S. Census Bureau based on 2010 Census data. Urbanized areas are densely settled groupings of blocks or tracts with 50,000 or more people. Urban clusters have at least 2,500 but less than 50,000 people. All other areas are rural.

\(^5\)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).

\(^6\)Rented includes households that occupy their primary housing units without paying rent.

\(^7\)Total square footage includes all basements, finished or conditioned (heated or cooled) areas of attics, and conditioned garage space that is attached to the home. Unconditioned and unfinished areas in attics and attached garages are excluded. The square footage for some housing units was calculated based on measurements taken by the interviewer. For households responding without the presence of an interviewer, square footage was imputed based on characteristics of the housing unit. See 2015 RECS Square Footage Methodology for full details about data collection and processing.

Q = Data withheld because either the Relative Standard Error (RSE) was greater than 50% or fewer than 10 cases responded.

N = No cases responded.

(*) Number rounds to zero.

Notes: Because of rounding, data may not sum to totals. See RECS Terminology for definition of terms used in these tables.