## Ameren Illinois Company d/b/a Ameren Illinois
### Rate Zone II
#### ESTIMATED CHARGES ASSOCIATED WITH LIGHTING SERVICE

### Currently Available Street and Protective Lighting Services (1)

<table>
<thead>
<tr>
<th></th>
<th>Annual</th>
<th>Monthly (Annual / 12, rounding may occur)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Nominal Wattage Rating</td>
<td>Lumen Rating</td>
</tr>
<tr>
<td><strong>High-Intensity Discharge (HID)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Decorative Lighting</td>
<td>Sodium Vapor</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>Metal Halide</td>
<td>150</td>
</tr>
<tr>
<td><strong>Light Emitting Diode (LED)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Area LED Lighting</td>
<td>LED 10</td>
<td>39</td>
</tr>
<tr>
<td></td>
<td>LED 25</td>
<td>107</td>
</tr>
<tr>
<td></td>
<td>LED 40</td>
<td>190</td>
</tr>
<tr>
<td>Directional LED Lighting</td>
<td>LED 25</td>
<td>98</td>
</tr>
<tr>
<td></td>
<td>LED 40</td>
<td>150</td>
</tr>
</tbody>
</table>

Note: A/C plans to replace all of its existing area and directional fixtures at the time that any component (including bulbs or photocells) fails to LED. LED will also be installed in new construction.
### Lighting Fixtures Not Available to New Installations (4)

<table>
<thead>
<tr>
<th>Nominal Wattage Rating</th>
<th>Lumen Rating</th>
<th>Ballast Losses</th>
<th>Annual Unit</th>
<th>Estimated Total Variable</th>
<th>Estimated Total</th>
<th>Monthly (Annual / 12, rounding may occur)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>kWh</td>
<td>$/Watt</td>
<td>$/1000</td>
<td>$/Watt</td>
</tr>
<tr>
<td>High-Intensity Discharge (HID)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sodium Vapor</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Area</td>
<td>70</td>
<td>5,000</td>
<td>84</td>
<td>336</td>
<td>$71.88</td>
<td>$17.84</td>
</tr>
<tr>
<td></td>
<td>100</td>
<td>9,800</td>
<td>126</td>
<td>504</td>
<td>$71.88</td>
<td>$26.77</td>
</tr>
<tr>
<td></td>
<td>150</td>
<td>16,000</td>
<td>182</td>
<td>728</td>
<td>$71.88</td>
<td>$38.66</td>
</tr>
<tr>
<td></td>
<td>250</td>
<td>29,000</td>
<td>300</td>
<td>1,200</td>
<td>$90.72</td>
<td>$63.73</td>
</tr>
<tr>
<td></td>
<td>400</td>
<td>50,000</td>
<td>470</td>
<td>1,880</td>
<td>$103.80</td>
<td>$99.84</td>
</tr>
<tr>
<td>Directional</td>
<td>1,000</td>
<td>130,000</td>
<td>1,105</td>
<td>4,420</td>
<td>$103.80</td>
<td>$234.73</td>
</tr>
<tr>
<td></td>
<td>250</td>
<td>29,000</td>
<td>300</td>
<td>1,200</td>
<td>$89.40</td>
<td>$63.73</td>
</tr>
<tr>
<td></td>
<td>400</td>
<td>50,000</td>
<td>470</td>
<td>1,880</td>
<td>$105.32</td>
<td>$99.84</td>
</tr>
<tr>
<td>Metal Halide</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Area</td>
<td>250</td>
<td>22,000</td>
<td>294</td>
<td>1,176</td>
<td>$90.72</td>
<td>$62.45</td>
</tr>
<tr>
<td></td>
<td>400</td>
<td>36,000</td>
<td>460</td>
<td>1,800</td>
<td>$103.80</td>
<td>$95.59</td>
</tr>
<tr>
<td></td>
<td>250</td>
<td>22,000</td>
<td>294</td>
<td>1,176</td>
<td>$89.40</td>
<td>$62.45</td>
</tr>
<tr>
<td></td>
<td>400</td>
<td>36,000</td>
<td>450</td>
<td>1,800</td>
<td>$106.32</td>
<td>$95.59</td>
</tr>
<tr>
<td></td>
<td>175</td>
<td>14,400</td>
<td>206</td>
<td>824</td>
<td>$114.84</td>
<td>$43.76</td>
</tr>
<tr>
<td>Mercury Vapor</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Area</td>
<td>100</td>
<td>4,100</td>
<td>111</td>
<td>444</td>
<td>$71.88</td>
<td>$23.58</td>
</tr>
<tr>
<td></td>
<td>175</td>
<td>8,400</td>
<td>196</td>
<td>784</td>
<td>$71.88</td>
<td>$41.64</td>
</tr>
<tr>
<td></td>
<td>250</td>
<td>12,500</td>
<td>294</td>
<td>1,176</td>
<td>$71.88</td>
<td>$62.45</td>
</tr>
<tr>
<td></td>
<td>400</td>
<td>23,000</td>
<td>450</td>
<td>1,800</td>
<td>$90.72</td>
<td>$95.59</td>
</tr>
<tr>
<td></td>
<td>700</td>
<td>42,000</td>
<td>780</td>
<td>3,120</td>
<td>$90.72</td>
<td>$165.69</td>
</tr>
<tr>
<td></td>
<td>1,000</td>
<td>59,000</td>
<td>1,005</td>
<td>4,380</td>
<td>$103.90</td>
<td>$232.61</td>
</tr>
<tr>
<td>Incandescent</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Area</td>
<td>92</td>
<td>1,000</td>
<td>92</td>
<td>368</td>
<td>$71.88</td>
<td>$19.54</td>
</tr>
<tr>
<td></td>
<td>133</td>
<td>1,000</td>
<td>133</td>
<td>532</td>
<td>$71.88</td>
<td>$28.25</td>
</tr>
<tr>
<td></td>
<td>189</td>
<td>2,500</td>
<td>189</td>
<td>756</td>
<td>$71.88</td>
<td>$40.15</td>
</tr>
<tr>
<td></td>
<td>295</td>
<td>4,000</td>
<td>295</td>
<td>1,180</td>
<td>$71.88</td>
<td>$62.67</td>
</tr>
<tr>
<td></td>
<td>405</td>
<td>6,000</td>
<td>405</td>
<td>1,620</td>
<td>$71.88</td>
<td>$85.03</td>
</tr>
</tbody>
</table>

Notes:
(1) Prior to January 2, 2007, the Lighting Tariffs contained separate categories and charges for Street and Protective Lighting and separate charges between residential and non-residential. Effective January 2, 2007, prices are the same regardless of prior category. Starting in June 2017, LED Lighting will be installed on a replace-fail method.
(2) Variable charges include Energy Charge, Distribution Delivery Charge, Energy Distribution Tax and Rider TS Charge.
(3) Monthly kWh is based on an average yearly kWh. Actual kWh may vary monthly depending on the month.
(4) Customers taking service under Mercury Vapor and certain Metal Halide lighting service prior to January 2, 2007, shall be allowed to continue operation until the fixtures require major maintenance. Mapping of the old fixture to the new fixture can be found in the Rate DS-5 - Lighting Service tariff.
(5) The fixture charge is based on the price for the replacement fixture.
(6) Variable charges are based on kWh consumption of existing fixture.

January 2019
### Currently Available Street and Protective Lighting Services

<table>
<thead>
<tr>
<th>Type of Lamp</th>
<th>Nominal Wattage</th>
<th>Wattage Incl. Ballast Losses</th>
<th>KWH to Be Billed On a Monthly Basis</th>
<th>Annual kWh</th>
<th>Ave. kWh Per Month</th>
</tr>
</thead>
<tbody>
<tr>
<td>High-Intensity Discharge (HID)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Decorative</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sodium Vapor</td>
<td>100</td>
<td>126</td>
<td>51</td>
<td>44</td>
<td>44</td>
</tr>
<tr>
<td>Metal Halide</td>
<td>150</td>
<td>103</td>
<td>79</td>
<td>67</td>
<td>67</td>
</tr>
<tr>
<td>Light Emitting Diode (LED)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Area</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LED 10</td>
<td>39</td>
<td>16</td>
<td>14</td>
<td>13</td>
<td>12</td>
</tr>
<tr>
<td>LED 25</td>
<td>107</td>
<td>44</td>
<td>37</td>
<td>37</td>
<td>32</td>
</tr>
<tr>
<td>LED 40</td>
<td>150</td>
<td>78</td>
<td>66</td>
<td>66</td>
<td>57</td>
</tr>
<tr>
<td>Directional</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LED 25</td>
<td>98</td>
<td>40</td>
<td>34</td>
<td>34</td>
<td>29</td>
</tr>
<tr>
<td>LED 40</td>
<td>150</td>
<td>61</td>
<td>52</td>
<td>52</td>
<td>45</td>
</tr>
</tbody>
</table>

### Lighting Fixtures Not Available to New Installations

<table>
<thead>
<tr>
<th>Type of Lamp</th>
<th>Nominal Wattage</th>
<th>Wattage Incl. Ballast Losses</th>
<th>KWH to Be Billed On a Monthly Basis</th>
<th>Annual kWh</th>
<th>Ave. kWh Per Month</th>
</tr>
</thead>
<tbody>
<tr>
<td>High-Intensity Discharge (HID)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sodium Vapor</td>
<td>79</td>
<td>84</td>
<td>34</td>
<td>29</td>
<td>29</td>
</tr>
<tr>
<td>Metal Halide</td>
<td>175</td>
<td>206</td>
<td>84</td>
<td>71</td>
<td>71</td>
</tr>
<tr>
<td></td>
<td>250</td>
<td>294</td>
<td>120</td>
<td>102</td>
<td>102</td>
</tr>
<tr>
<td></td>
<td>400</td>
<td>450</td>
<td>184</td>
<td>166</td>
<td>156</td>
</tr>
<tr>
<td></td>
<td>1,000</td>
<td>1,077</td>
<td>439</td>
<td>374</td>
<td>373</td>
</tr>
</tbody>
</table>
Ameren Illinois Company d/b/a Ameren Illinois
MONTHLY KWH PER FIXTURE FOR BILLING PURPOSES

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Burning Hours:</td>
<td>408</td>
<td>347</td>
<td>346</td>
<td>301</td>
<td>279</td>
<td>255</td>
<td>272</td>
<td>298</td>
<td>322</td>
<td>368</td>
<td>387</td>
<td>417</td>
<td>4,000</td>
<td>333</td>
</tr>
<tr>
<td>Monthly Burn Hour Factor:</td>
<td>0.03200</td>
<td>0.08675</td>
<td>0.08650</td>
<td>0.07525</td>
<td>0.06975</td>
<td>0.06375</td>
<td>0.06800</td>
<td>0.07450</td>
<td>0.08050</td>
<td>0.09200</td>
<td>0.099675</td>
<td>0.10425</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

Lighting Fixtures Not Available to New Installations (cont.)

<table>
<thead>
<tr>
<th>Type of Lamp</th>
<th>Nominal Wattage</th>
<th>Wattage Incl. Ballast Losses</th>
<th>KWH to be Billed On a Monthly Basis</th>
<th>Annual kWh</th>
<th>Ave. kWh Per Month</th>
</tr>
</thead>
<tbody>
<tr>
<td>High-Intensity Discharge (HID)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mercury Vapor</td>
<td>100</td>
<td>111</td>
<td>45</td>
<td>39</td>
<td>38</td>
</tr>
<tr>
<td></td>
<td>175</td>
<td>195</td>
<td>80</td>
<td>68</td>
<td>68</td>
</tr>
<tr>
<td></td>
<td>250</td>
<td>294</td>
<td>120</td>
<td>102</td>
<td>102</td>
</tr>
<tr>
<td></td>
<td>400</td>
<td>450</td>
<td>184</td>
<td>156</td>
<td>156</td>
</tr>
<tr>
<td></td>
<td>700</td>
<td>780</td>
<td>318</td>
<td>271</td>
<td>270</td>
</tr>
<tr>
<td></td>
<td>1,000</td>
<td>1,095</td>
<td>447</td>
<td>380</td>
<td>379</td>
</tr>
<tr>
<td>Incandescent</td>
<td>92</td>
<td>92</td>
<td>38</td>
<td>32</td>
<td>32</td>
</tr>
<tr>
<td></td>
<td>103</td>
<td>103</td>
<td>42</td>
<td>36</td>
<td>36</td>
</tr>
<tr>
<td></td>
<td>133</td>
<td>133</td>
<td>54</td>
<td>46</td>
<td>46</td>
</tr>
<tr>
<td></td>
<td>189</td>
<td>189</td>
<td>77</td>
<td>66</td>
<td>65</td>
</tr>
<tr>
<td></td>
<td>202</td>
<td>202</td>
<td>82</td>
<td>70</td>
<td>70</td>
</tr>
<tr>
<td></td>
<td>295</td>
<td>295</td>
<td>120</td>
<td>102</td>
<td>102</td>
</tr>
<tr>
<td></td>
<td>327</td>
<td>327</td>
<td>133</td>
<td>113</td>
<td>113</td>
</tr>
<tr>
<td></td>
<td>405</td>
<td>405</td>
<td>165</td>
<td>141</td>
<td>140</td>
</tr>
<tr>
<td></td>
<td>448</td>
<td>448</td>
<td>183</td>
<td>155</td>
<td>155</td>
</tr>
<tr>
<td></td>
<td>620</td>
<td>620</td>
<td>253</td>
<td>215</td>
<td>215</td>
</tr>
<tr>
<td></td>
<td>690</td>
<td>690</td>
<td>282</td>
<td>239</td>
<td>239</td>
</tr>
</tbody>
</table>

Notes:
*Monthly kWh includes ballast losses. LED lights do not have ballast losses.
*The monthly burn hour factor is a monthly calculation. Only Calendar Billed Lighting (DS-5) service bills are from beginning of month to end of month. Other lighting bills span two months which would result in a prorated monthly burn hour factor.
## Rate Zone II
### MONTHLY CALCULATION OF TOTAL LIGHTING CHARGES *

<table>
<thead>
<tr>
<th>Type of Lamp</th>
<th>January Total Charge</th>
<th>February Total Charge</th>
<th>March Total Charge</th>
<th>April Total Charge</th>
<th>May Total Charge</th>
<th>June Total Charge</th>
<th>July Total Charge</th>
<th>August Total Charge</th>
<th>September Total Charge</th>
<th>October Total Charge</th>
<th>November Total Charge</th>
<th>December Total Charge</th>
<th>Annual Charge</th>
</tr>
</thead>
<tbody>
<tr>
<td>High-intensity Discharge (HID)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Decorative</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Light Emitting Diode (LED)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Area LED</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LED 10</td>
<td>$6.86</td>
<td>$6.73</td>
<td>$5.63</td>
<td>$5.59</td>
<td>$5.48</td>
<td>$5.51</td>
<td>$5.66</td>
<td>$5.78</td>
<td>$5.82</td>
<td>$6.88</td>
<td>$80.16</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LED 40</td>
<td>$12.89</td>
<td>$12.26</td>
<td>$12.25</td>
<td>$11.78</td>
<td>$11.55</td>
<td>$11.03</td>
<td>$11.19</td>
<td>$11.43</td>
<td>$11.65</td>
<td>$12.48</td>
<td>$12.67</td>
<td>$12.99</td>
<td>$144.18</td>
</tr>
<tr>
<td>Directional LED</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LED 25</td>
<td>$9.64</td>
<td>$9.53</td>
<td>$9.41</td>
<td>$9.06</td>
<td>$8.95</td>
<td>$8.84</td>
<td>$8.76</td>
<td>$8.88</td>
<td>$9.00</td>
<td>$9.42</td>
<td>$9.53</td>
<td>$9.69</td>
<td>$110.22</td>
</tr>
<tr>
<td>LED 40</td>
<td>$12.23</td>
<td>$11.71</td>
<td>$11.70</td>
<td>$11.33</td>
<td>$11.15</td>
<td>$10.74</td>
<td>$10.86</td>
<td>$11.05</td>
<td>$11.23</td>
<td>$11.98</td>
<td>$12.04</td>
<td>$12.28</td>
<td>$138.18</td>
</tr>
</tbody>
</table>

Lighting Fixtures Not Available to New Installations

| High-intensity Discharge (HID) | | | | | | | | | | | | | |
| Sodium Vapor | | | | | | | | | | | | | |
| Area 70 | $7.87 | $7.59 | $7.58 | $7.37 | $7.27 | $7.04 | $7.11 | $7.22 | $7.32 | $7.48 | $7.77 | $7.91 | $85.72 |
| Area 100 | $8.80 | $8.38 | $8.38 | $8.07 | $7.91 | $7.57 | $7.67 | $7.83 | $7.98 | $8.53 | $8.66 | $8.87 | $98.65 |
| Area 150 | $10.05 | $9.45 | $9.44 | $9.09 | $8.77 | $8.42 | $8.65 | $8.87 | $9.66 | $9.84 | $10.14 | $10.64 | $110.64 |
| Area 500 | $30.12 | $29.64 | $29.59 | $26.85 | $25.92 | $22.48 | $23.40 | $24.81 | $26.11 | $29.01 | $32.95 | $33.87 | $360.53 |
| Area 1,000 | $54.15 | $53.15 | $53.13 | $51.39 | $52.03 | $48.10 | $49.45 | $51.84 | $54.19 | $62.03 | $65.38 | $68.10 | $753.13 |
| Area 2,000 | $97.39 | $97.19 | $97.07 | $95.01 | $95.59 | $92.20 | $93.49 | $96.68 | $100.03 | $108.07 | $112.00 | $115.83 | $1266.13 |

| Metal Halide | | | | | | | | | | | | | |
| Area 400 | $18.70 | $17.20 | $17.17 | $16.06 | $15.52 | $14.28 | $14.66 | $15.23 | $15.76 | $17.71 | $18.15 | $18.92 | $203.39 |
| Area 1,000 | $54.15 | $53.15 | $53.13 | $51.39 | $52.03 | $48.10 | $49.45 | $51.84 | $54.19 | $62.03 | $65.38 | $68.10 | $753.13 |

| Mercury Vapor | | | | | | | | | | | | | |
| Area 100 | $8.47 | $8.10 | $8.09 | $7.82 | $7.68 | $7.38 | $7.47 | $7.61 | $7.74 | $8.23 | $8.54 | $8.57 | $95.46 |
| Area 375 | $9.57 | $9.71 | $9.70 | $9.22 | $8.98 | $8.64 | $8.61 | $8.86 | $9.00 | $9.94 | $10.14 | $10.46 | $113.52 |
| Area 2,000 | $24.38 | $22.37 | $22.33 | $20.41 | $19.47 | $17.32 | $17.97 | $18.87 | $19.88 | $23.27 | $24.08 | $25.86 | $296.41 |

| Incandescent | | | | | | | | | | | | | |
| Area 92 | $8.04 | $7.74 | $7.73 | $7.51 | $7.39 | $7.14 | $7.22 | $7.34 | $7.44 | $7.84 | $7.94 | $8.09 | $91.42 |

---

*These charges include variable charges (Energy Charge, Distribution Delivery Charge, Electric Distribution Tax and Rider TS Charge) and Fixed Charge. Rounding may occur.

Note: The monthly burn hour factor is a monthly calculation. Only Calendar Billed Lighting (DS-5) service bills are from beginning of month to end of month. Other lighting bills span two months which would result in a prorated monthly burn hour factor.

---

*Monthly Billing for Details of Total Lighting Charges*