

**LED Area Unit Rate Design - E12**

**Current HPS Monthly Area Protective Lighting Service Rates**

Maintenance Expense Impact (Savings) (\$0.91)  
System Allocation Cost Reduction (\$1.57)  
Incremental Capital Revenue Requirement \$1.05  
Net LED Fixture Rate Impact - Company Owned Area Lights (\$1.43)

**Proposed Monthly LED Area Protective Lighting Service Rates**

*Percentage Savings (increase)*

**Current HPS Lighting Monthly Average Bill per Area Light - E12**

LED Fixture Impact on HPS Area Lighting Rate (\$1.43)  
Fuel & Resource Adj. Savings Estimate (\$0.72)  
Total Monthly Bill Impact (savings) (\$2.15)

**Proposed LED Lighting Monthly Average Bill per Area Light - E12**

*Percentage Savings (increase)*

**Annual Impact of LED Fixtures on the E12**

**Protective Lighting System Service Rate - Area Units**

**Maintenance Savings**

Relamp Expense Savings \$4.57  
Service Order Expense Savings \$6.36  
Total Maintenance Savings \$10.93  
*Monthly Savings (increase)* \$0.91

**System Allocation Cost Reduction**

Energy Related System Cost Allocation Reduction \$13.61  
Demand Related System Cost Allocation Reduction \$5.26  
Total System Allocation Cost Reduction \$18.87  
*Monthly Savings (increase)* \$1.57

**Incremental Capital Revenue Requirement**

*Monthly Savings (increase)* (\$1.05)

**LED Fixture Base Rate Savings (Increase)**

*Monthly Savings (increase)* \$1.43

**Fuel & Resource Adj. Savings Estimate**

*Monthly Savings (increase)* \$0.72

**Annual Bill Savings - LED Area Lights**

*Monthly Savings (increase)* \$2.15

**NSP-SD**

**Per HPS/LED Area Light Equivalent**

100W/32W	250W/100W
<b>\$9.28</b>	<b>\$16.50</b>
(\$0.91)	(\$0.91)
(\$1.57)	(\$3.83)
\$1.05	\$1.14
(\$1.43)	(\$3.60)
<b>\$7.85</b>	<b>\$12.90</b>
15.4%	21.8%
<b>\$10.27</b>	<b>\$19.10</b>
(\$1.43)	(\$3.60)
(\$0.72)	(\$1.75)
(\$2.15)	(\$5.35)
<b>\$8.12</b>	<b>\$13.75</b>
21.0%	28.0%

**NSP-SD**

**Per HPS/LED Area Light Equivalent**

100W/32W	250W/100W
\$4.57	\$4.57
\$6.36	\$6.36
\$10.93	\$10.93
\$0.91	\$0.91
\$13.61	\$33.12
\$5.26	\$12.81
\$18.87	\$45.93
\$1.57	\$3.83
(\$12.60)	(\$13.64)
(\$1.05)	(\$1.14)
<b>\$17.20</b>	<b>\$43.22</b>
\$1.43	\$3.60
<b>\$8.63</b>	<b>\$21.01</b>
\$0.72	\$1.75
<b>\$25.83</b>	<b>\$64.23</b>
\$2.15	\$5.35

**LED Directional Unit Rate Design - E12**

**Current HPS Monthly Directional Protective Lighting Service Rates**

Maintenance Expense Impact (Savings)  
System Allocation Cost Reduction  
Incremental Capital Revenue Requirement  
Net LED Fixture Rate Impact - Company Owned Directional Lights

**Proposed Monthly LED Directional Protective Lighting Service Rates**

*Percentage Savings (increase)*

**Current HPS Lighting Monthly Average Bill per Directional Light - E12**

LED Fixture Impact on HPS Directional Lighting Rate  
Fuel & Resource Adj. Savings Estimate  
Total Monthly Bill Impact (savings)

**Proposed LED Lighting Monthly Average Bill per Directional Light - E12**

*Percentage Savings (increase)*

**NSP-SD**

**Per HPS/LED Directional Light Equivalent**

<b>250W/128W</b>	<b>400W/175W</b>
<b>\$18.34</b>	<b>\$22.96</b>
(\$0.91)	(\$0.91)
(\$3.31)	(\$5.68)
\$3.29	\$3.91
(\$0.93)	(\$2.68)
<b>\$17.41</b>	<b>\$20.28</b>

5.1%

11.7%

**\$20.94**

**\$27.04**

(\$0.93)

(\$2.68)

(\$1.51)

(\$2.60)

(\$2.44)

(\$5.28)

**\$18.50**

**\$21.76**

11.7%

19.5%

**Annual Impact of LED Fixtures on the E12**

**Protective Lighting System Service Rate - Directional Units**

**Maintenance Savings**

Relamp Expense Savings  
Service Order Expense Savings  
Total Maintenance Savings

*Monthly Savings (increase)*

**System Allocation Cost Reduction**

Energy Related System Cost Allocation Reduction  
Demand Related System Cost Allocation Reduction  
Total System Allocation Cost Reduction

*Monthly Savings (increase)*

**Incremental Capital Revenue Requirement**

*Monthly Savings (increase)*

**LED Fixture Base Rate Savings (Increase)**

*Monthly Savings (increase)*

**Fuel & Resource Adj. Savings Estimate**

*Monthly Savings (increase)*

**Annual Bill Savings - LED Directional Lights**

*Monthly Savings (increase)*

**NSP-SD**

**Per HPS/LED Directional Light Equivalent**

<b>250W/128W</b>	<b>400W/175W</b>
\$4.57	\$4.57
\$6.36	\$6.36
\$10.93	\$10.93
\$0.91	\$0.91
\$28.64	\$49.13
\$11.08	\$19.00
\$39.72	\$68.13
\$3.31	\$5.68
(\$39.42)	(\$46.94)
(\$3.29)	(\$3.91)
<b>\$11.23</b>	<b>\$32.12</b>
\$0.93	\$2.68
<b>\$18.17</b>	<b>\$31.16</b>
\$1.51	\$2.60
<b>\$29.40</b>	<b>\$63.28</b>
\$2.44	\$5.28