

1 **Q. (Reference PUB-NP-006, lines 20-24) Please quantify the lower rates and the**  
 2 **reduction in overall cost to customers as referenced therein.**

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 4 A. See response to Request for Information CA-NP-032.

5  
 6 Table 1 provides a quantification of customer cost savings as outlined in Newfoundland  
 7 Power's *Schedule of Rates, Rules and Regulations*, effective July 1, 2021.

**Table 1**  
**Rate Comparison: Street and Area Lighting Service - HPS versus LED**

<u>High Pressure Sodium</u>		<u>Light Emitting Diode</u>		% Savings
Illumination	Rate (\$)	Illumination	Rate (\$)	
100W	18.02	LED 100	16.28	10%
150W	22.23	LED 150	17.80	20%
250W	30.91	LED 250	22.83	26%
400W	42.41	LED 400	25.91	39%

8 LED fixtures provide lower rates to customers of between 10% and 39%.

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 10 As stated in Schedule B of the *2022 Capital Budget Application*, at page 34 of 99, the  
 11 total cost of executing the LED Replacement Program is estimated at approximately  
 12 \$32.8 million. An economic analysis determined the plan will reduce energy and  
 13 maintenance costs to customers by approximately \$52 million over 20 years. This results  
 14 in lower costs for customers over the long term.