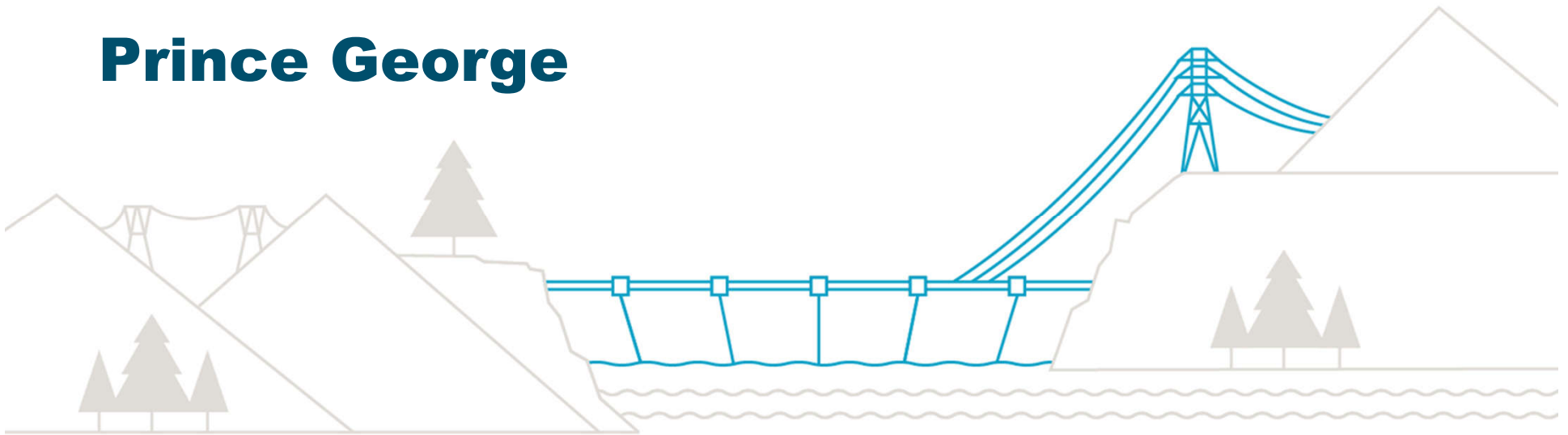


# LED Street Lights

## Update for Municipal Customers Prince George



**Date: October 25, 2016**

# Rate Design Overview

- Our Rates and Terms & Conditions of Service are reviewed periodically by the BC Utilities Commission through a Rate Design Application and associated public review process.
- We develop a Rate Design Application which examines whether any changes are needed and proposes changes in some cases.
- In developing the Application, we seek input from customers and stakeholders.
- Your input and input from other customers will be considered as we prepare our rate design application expected to be filed later in 2017.
- Customers can participate in the Commission's public review process.
- Commission considers the merits of proposed changes and must approve any changes to the Rate Structures and the Terms & Conditions of service.

# LED Street Lights

LED Street Light technology has matured, creating several potential benefits for Municipal Customers and BC Hydro:

- Better light colour with better light control
- Lower operating costs through lower consumption and power demand (30-50%)
- More reliable operation
- Lower maintenance costs



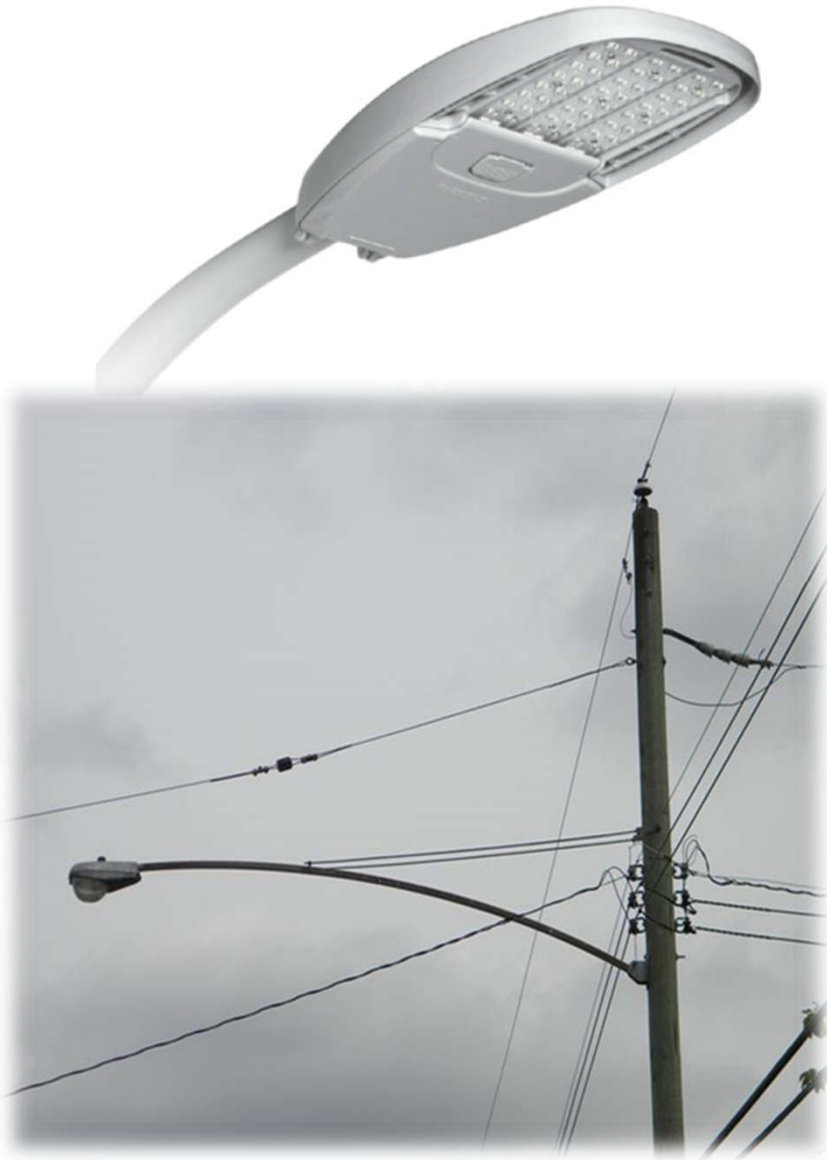
# Customer Owned Street Lights Rate 1702

Municipalities can convert now to enjoy lower operating costs for their own Street Lights

- Province of BC Corporate Supply Agreement (CSA) is available to obtain best pricing for LED lights from approved vendors and list of qualified consultants
- Use SLIM to report unit wattages changes and realize monthly billing reductions
- Consider adaptive controls (dimming) for further operational savings
- Financial Evaluation tool available to support communities with development of business case:
  - <http://www2.gov.bc.ca/gov/content/governments/services-for-government/bc-bid-resources/goods-and-services-catalogue/led-street-lights-across-bc>



# BC Hydro Owned Street Lights Rate 1701



## BC Hydro continues to evaluate LED technology for it's 91,000 Street Lights

- One year pilot involving 168 LED Street lights in Richmond started April 2016
- Pursue LED rates for Rate 1701 if results are favourable
- Conversion capital costs have been included in our Revenue Rate  
Application to BC Utilities Commission
- Soonest implementation of LEDs would begin in Early 2018

# Rate 1701 LED Considerations

BC Hydro will soon be consulting B.C. Municipalities on the inclusion of LED's in Rate 1701. Questions we will be asking include:

- Have you implemented LEDs for your own streetlights (Rate 1702)?
- If so, what portion of your streetlights are now LED?
- When do you expect to complete the conversion of all of your own street lights?
- The undepreciated value of the existing HPS lights will be recovered as part of the new rate. Would you prefer upfront payment of the remaining value or inclusion in the base rate as a rate rider.
- What technical specifications (wattage and light distribution) do you require for future BC Hydro LED lights?
- Which light colour temperature(s) do you require?
- Would you expect your municipality to seek to be an early adopter?
- How do you feel the roll out of LED street lights should be prioritized?



