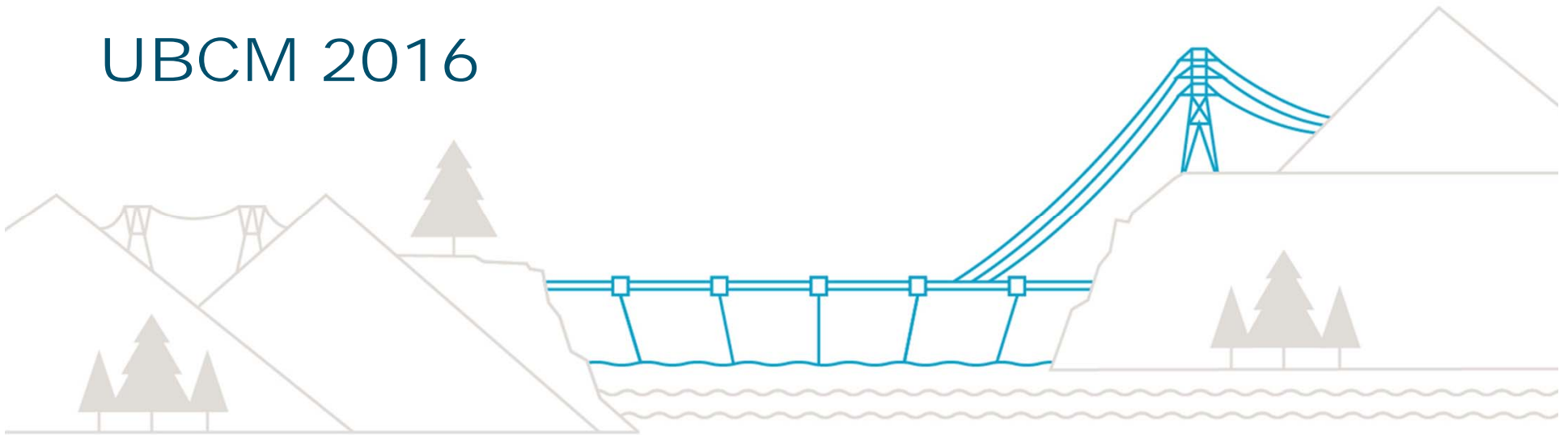


# LED Street Lights

Update for Municipal Customers  
UBCM 2016



Date: September 29, 2016

# 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>
- Limited incentive funding still available for Customers without a Key Account Manager. For more information call 1-866-522-4713



# 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 pilot 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 BC Municipalities on the inclusion of LEDs in Rate 1701. Questions likely to be asked 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 (wattages and light distributions) do you require for future BC Hydro LED lights?
- Does your Municipality need a light colour temperature other than 4000K?
- 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?

