



**LED**

STREETLIGHT  
**STANDARD CHANGE**

**FORTIS**  
ALBERTA

## STREETLIGHT STANDARD CHANGE

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FortisAlberta announced, effective Jan. 1, 2016, all new streetlight fixtures will be constructed with LED technology. These fixtures were selected based on photometric performance, competitive price and have a 3000 Kelvin colour temperature. The LED fixtures that were chosen qualify as dark sky friendly based on the Bug Rating determined by the Illuminating Engineering Society of North America (IESNA). For more information regarding Bug Ratings, please visit the IESNA website at [www.ies.org](http://www.ies.org).

Effective March 1, 2017, any new requests for High Pressure Sodium (HPS) lighting will only be available under a non-standard lighting agreement. Municipalities accepting new installations of non-standard lamps, luminaries, and/or poles will be responsible for the purchase and stocking of replacement materials for non-standard lamps, luminaries and/or poles.

As a result, we have changed our standard for streetlights to LED for all new construction and have developed an LED Conversion Option for municipal customers who wish to convert their existing streetlights to LED fixtures. FortisAlberta will continue to evaluate new products on a continual basis.

## LED CONVERSION OPTION

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FortisAlberta has created a LED Conversion Program to help customers convert existing Rate 31 cobra head style fixtures to LED with no upfront capital investment. Non-cobra head style fixtures or decorative fixtures and yard lights will not be available in the LED Conversion Option at this time. To date, more than 85 per cent of the communities FortisAlberta serves have requested this conversion option.

## LED STREETLIGHT INFORMATION

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As owner and operator of more than 100,000 streetlights in Alberta, FortisAlberta is committed to improving the energy efficiency of our infrastructure, while controlling costs for our customers. We have conducted various independent pilot programs to gather data and compile findings regarding new Light Emitting Diode (LED) streetlight fixture technology. Based on our findings, LED fixtures provide several benefits:

- Lower energy consumption (50 per cent more energy efficient)
- Improved safety and night visibility on roadways (more vibrant, clear and accurate white light)
- Increased life expectancy (20 years)
- Reduced maintenance costs (bulb replacements not required)
- Decreased environmental footprint (no mercury, lead or other known disposable hazards)
- Dark sky friendly with zero uplight

## STREETLIGHT REPAIRS

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Moving forward, FortisAlberta will repair failed HPS cobra-head fixtures and yardlights with LED fixtures. Non-cobra head fixtures, known as decorative fixtures will be repaired, where possible, with a replacement HPS lamp. Options for converting existing decorative fixtures to LED technology are currently under evaluation.

## ADDITIONAL INFORMATION

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Municipal customers are encouraged to contact their Stakeholder Relations Manager for further details, or call 310-WIRE (9473) regarding general inquiries. More information regarding FortisAlberta's LED Streetlight Conversion program is available at: [fortisalberta.com](http://fortisalberta.com).