



# Excellence in ENERGY SOLUTIONS

...And a Commitment to Our Community

Saint John Energy will be converting conventional streetlights in the Saint John Area to new energy efficient LED streetlights. The process has already begun and will be completed by the end of 2015.



## 2015 LED STREETLIGHT CONVERSION

REPLACING CONVENTIONAL STREETLIGHTS TO ENERGY EFFICIENT LEDs

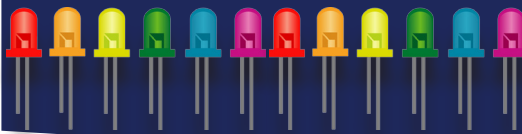
**WOW!**

### LED stands for:

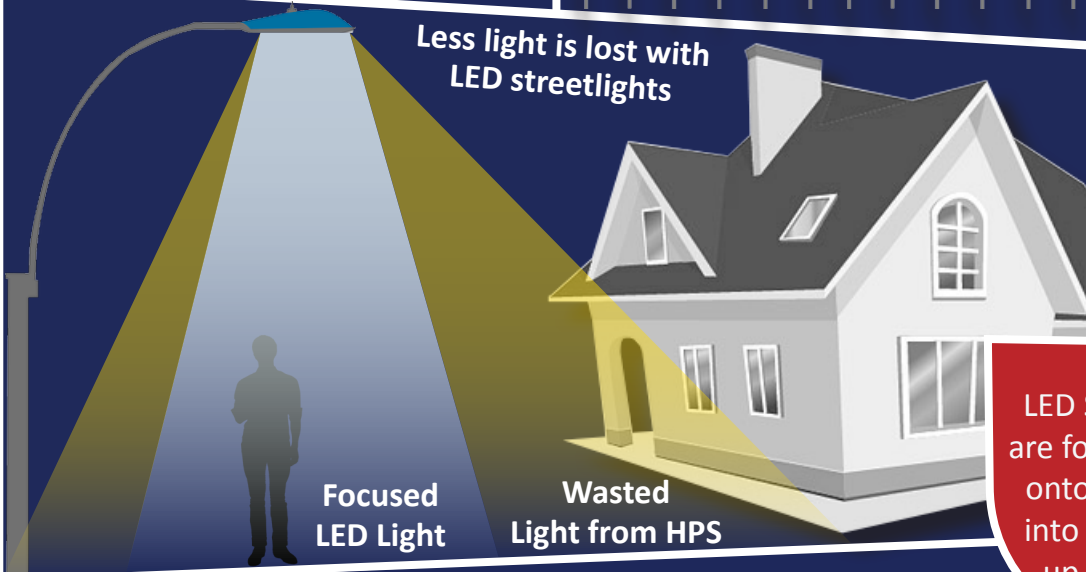
“**L**ight-**E**mitting **D**iode”. LEDs are smaller and do not contain a filament like conventional streetlights

### Did You Know?

LEDs use energy far more efficiently with little wasted-heat



- The reduction in operational costs is forecast to provide energy and maintenance savings
- Approximately **5,600,000** kWh energy saved annually
- Reduction in energy is equivalent to **3,880** metric tonnes of CO2 annually
- Reduction in energy is equal to enough electricity to supply **354** homes annually



LED Streetlights are focused down onto roads, not into homes and up to the sky



### Why LED?

Saint John Energy is always looking for ways to be more energy efficient, increase safety and reduce its environmental footprint.



#### ENERGY EFFICIENCY

- LED lights are 60-70% more energy efficient than conventional lights
- LED lights have a 20 year lifespan; conventional lights have 6

#### SAFETY AND SECURITY

- LED lights make objects appear clearer and more defined
- LED lights are focused onto roads where it is most useful
- Longer lifespan means lights are on more often and less time lights are off for maintenance

#### ENVIRONMENTAL

- LED lights do not contain mercury
- Light is focused onto roads to reduce light pollution
- Longer lifespan means less maintenance and less material requiring disposal
- Upon conversion, the conventional lights will be disposed of in an environmentally approved manner

#### TOP 5 Facts

1. Compared to conventional lights, LED lights reduce CO2 emissions
2. The LED lights are being purchased from a local atlantic distributor
3. Unlike conventional lights LED lights do not contain mercury
4. LED lights have better control over the electrical current, making them more energy efficient
5. LED lights have the ability to focus the light in one direction, giving them better control over the light dispersion