

LED Street Light Conversion Program



Since 2016 Saanich has been replacing high pressure sodium (HPS) street lights with light emitting diode (LED) units. LED lights are a more environmentally friendly and a more cost effective alternative to traditional HPS lights. LED lights:

- Have a life expectancy of 20 years, as compared to a five year life expectancy for HPS lights;
- Use considerably less energy than HPS lights; and
- Are recyclable.

LED lights improve road safety. The LED light spectrum better defines the colour and physical geometry of objects and the traveling public on the road enhancing overall visibility. Therefore, pedestrians and signs are more easily seen by drivers.

Public Works staff maintain approximately 9,200 street lights. To date 23% of our inventory has been changed over to LED. Our two person re-lamping crew can change out 20 lights per day or approximately 700 street lights per year. At this rate, we expect to complete the LED conversion program in 2029.

Converting to LED will result in an energy savings of approximately 30%. Once the program is complete we expect to reduce our street lighting hydro bill by approximately \$245,000 annually.



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