

LED Street Light Project Update

The Township recently produced a five year Energy Management Plan that details our commitment to reducing energy consumption and the associated greenhouse gas emissions. Converting all traditional cobra head streetlights to LED is our first significant project that will help us in meeting our commitments over the coming years.

We have 544 cobra head streetlights throughout the Township and we have committed to replace all of these fixtures with new LED fixtures. By making the switch to LED fixtures, we anticipate that our annual electrical and maintenance costs will drop substantially resulting in an estimated annual savings of about \$63,000 in the first year.

From an electrical consumption point of view, switching to LED will reduce our electrical consumption by over 274,000 kWh annually resulting in a savings of greenhouse gas emissions of 27.4 metric tonnes annually.

In August 2014, our project partner, RealTerm Energy, deployed a crew to gather data at each streetlight in the Township. The data gathered allowed the lighting manufacturer, Cree Canada, to develop a lighting design that meets both our needs and the requirements for standard streetlight design.

A local electrical contractor, Healey Electric, was selected by RealTerm to do the installation work. The installations began in early May 2015 and we anticipate that the project will wrap up this summer.

As of September the project is near completion. We have a short list of issues to resolve and expect that all will be resolved shortly. Once complete we will work with the two utilities (Peterborough Utilities and Hydro One) to modify our monthly billing to reflect the lower consumption of LED lights and we will receive incentive rebates from the Independent Electricity System Operator (IESO) under the Save-on-Energy program.