

Turning on to Lighting Replacement Programs

Induction Lighting Pilot at Whitby Hydro

In the spring of 2006, Whitby Hydro carried out a pilot project for induction lighting. The pilot involved retrofitting 13 parking lights, 9 high bay warehouse lights and one streetlight with induction lighting. The total savings realized were 3.41 kW or 1,227 kWh a month (based on 12 hours of operation).

Induction lighting provides improved light levels and quality while reducing the amount of energy required. The bulbs have a 100,000-hour life expectancy - 5 times longer than a High Pressure Sodium bulb. The bulbs being used have a 10-year warranty.

- Reduced the wattage of each parking light fixture by 210 watts with only slightly reducing the lighting level.
- Reduced the wattage of each warehouse light fixture by 70 watts while increasing the lighting levels.
- Reduced the wattage of the street light by 50 watts while increasing the lighting level.

Whitby Hydro is currently working with the Town of Whitby to extend the program to include the streetlights of the town.

Streetlight Replacement Program at Cambridge and North Dumfries Hydro

At Cambridge and North Dumfries (CND) Hydro, the utility ran a successful replacement program to change existing street lighting in the City of Cambridge. Old mercury vapour lights were replaced

through the fall of 2005 with energy efficient high-pressure sodium lights.

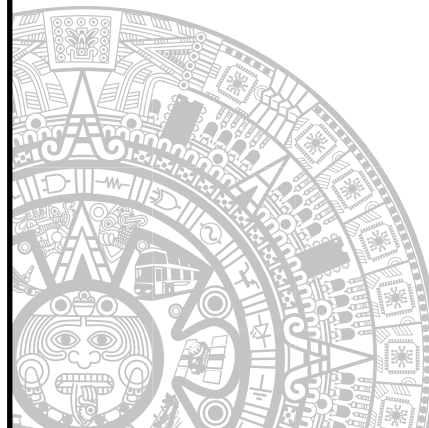
Cambridge and North Dumfries Hydro worked to ensure that replacement lights were properly installed and that the old mercury vapour lights were disposed of in an environmentally responsible manner.

The street light replacement program will save 7,785,536 kWh of energy over the lifecycle of the lighting technology. ■



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