



LED Street Light Conversion Project

The City of Mississauga's street lights will be converted from the yellow-orange colour of traditional street lights to the natural white light provided by Light Emitting Diode (LED).

Facts about the LED Street Light Conversion Project:

- Work crews will convert 49,000 street lights on all of Mississauga's residential, collector and arterial roads to LED lighting from High Pressure Sodium (HPS).
- The project will begin in November 2012 and continue until December 2014.
- The \$26 million project will be financed through debt financing. The City is eligible for a \$1.4 million incentive from Ontario Power Authority's SaveOnEnergy Program.
- Estimated payback period is four years after the project completion.

Energy Savings and Reduced Carbon Footprint

- In 2011, the City of Mississauga had operating costs of \$6.1 million in energy costs and \$2.3 million in maintenance costs for street lighting. The conversion to LED street lights is estimated to reduce the carbon footprint by saving 55 per cent in energy costs and result in a significant reduction in maintenance costs.
- LED street lights have a life expectancy of 20 years compared to the five-year life span of traditional street lights.

Better Visibility, Safer Streets

- LED street lights reduce the amount of light pollution. They are compliant with the International Dark-Sky Association (IDA) in terms of being dark-sky friendly by reducing sky glow.
- The white light of LED provides a safer light source with better visibility to both pedestrians and motorists.
- LED offers better clarity and an improvement in the ability to identify colours at night.

Street Light Monitoring System

- The LED Street Light Conversion Project includes a state-of-the-art street light monitoring system with the ability to detect malfunctioning street lights multiple times daily and transmit this information wirelessly.
- The new monitoring system checks the status of street lights, power loss, malfunctions, and energy consumption in real time.

How will Street Lights be replaced? Areas, within the City, that have the oldest street lights will be relamped first to avoid older lights from malfunctioning.

For more information on the LED Street Light Conversion Project contact 3-1-1 (Outside city limits, dial 905-615-4311)