

# LightSavers

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## GTA pilot projects

### LightSavers Consortium Pilot Testing Sponsors and Sites

#### Town of Caledon

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The Town of Caledon is pursuing a pilot retrofit of its Town Hall parking lot, which currently uses small Circa CR20 luminaires. Twelve luminaires will be replaced with lower-wattage LED luminaires. The pilot will test four different types of LED luminaires. The parking lot is surrounded by grass fields and a housing area is located nearby. Some Caledon residents have indicated their preference for lower levels of illumination and higher efficiency lighting at Town Hall. It is hoped that the LED fixtures will provide enhanced visibility at lower illumination levels, while reducing energy usage significantly. Installation is planned for September 2009.

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#### City of Burlington

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[pirhonenk@burlington.ca](mailto:pirhonenk@burlington.ca) Region of Durham

The City of Burlington will pursue a pilot to retrofit the lighting at City Hall, including in the parking garage. Current exterior lighting fixtures consist of a combination of 347V 175 Watt and 100 watt mercury vapour and metal halide lamps. There are 26 wall-mounted fixtures, 19 bollards and 30 low-bay garage fixtures that will be replaced with lower-wattage LED fixtures. The City is also exploring the use of adaptive controls in the parking garage. Installation is planned for September 2009.

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## LightSavers GTA Pilot Projects

### City of Hamilton

Mr. Geoff Lupton, Manager of Energy Initiatives  
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The City of Hamilton is exploring three potential pilot projects: (1) retrofit of a pedestrian walkway in an historic park — the walkway includes a children's play area and abuts residential housing; (2) a parking lot adjacent to a social housing high-rise building; and (3) two pedestrian/street tunnels, which currently have a hodge-podge of lighting fixtures. The City is open to use of adaptive controls in conjunction with an LED retrofit. The pedestrian walkway pilot would afford the opportunity to consult with local residents on their lighting preferences. The pilot plans will be finalized by Fall 2009.

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### City of Mississauga

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The City will pursue a pilot at its court house parking lot. Twelve 400-watt metal-halide fixtures will be replaced with lower-wattage LED fixtures. The City is open to use of adaptive controls in conjunction with an LED retrofit in the staff parking area, which might be paired (and compared) with a similar retrofit pilot without adaptive controls in the public parking area. Installation is planned for mid-August 2009.

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### Region of Durham

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## LightSavers GTA Pilot Projects

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The Region of Durham is exploring the potential for applying LED technology at Hillside Estates, a long-term care facility rebuilt six years ago by the Region. The project has been postponed until 2010.

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### City of Toronto

Mr. Mark Goss,  
General Manager, Operations

#### Exhibition Place

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As part of its long-term effort to achieve net-zero carbon emissions, Exhibition Place is planning to replace approximately 70 high pressure sodium lights along its pedestrian walkway with lower-wattage LED products. Adaptive lighting controls will also be installed, allowing the lights to be dimmed when the pathway is not in use. Installation is planned for 2010.

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Robert Plitt, Sustainability Manager

#### Evergreen

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As part of its redevelopment of the Don Valley Brick Works site, Evergreen will install high-efficiency LED lights at the facility's new parking lot. Evergreen is also exploring the possibility of using LEDs with solar photovoltaic panels integrated in the fixtures. Installation is planned for the summer of 2010.

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Lloyd Marsh

#### Toronto Community Housing Corporation

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Toronto Community Housing is a City of Toronto-owned company that is North America's second-largest public housing authority, providing housing to 7% of Toronto residents. TCH is interested in pursuing two LED pilots in two parking garages within multi-residential social housing developments: 2743 Victoria Park and 2180 Ellsemere Rd. TCH is hoping to improve safety and visibility while reducing energy consumption. The current technology in these

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sites are low-bay garage fixtures using 150 high-pressure sodium lamps. These fixtures will be replaced with LED fixtures as well as with high-efficiency fluorescent lamps for comparison purposes. Occupancy sensors will also be installed, which will reduce lighting levels when the garages are unoccupied. Installation is planned for September 2009.

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Amir Nathoo

**Toronto Parking Authority**

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The Toronto Parking Authority is a City of Toronto agency that provides 20,000 off-street spaces in 150 facilities, including 19 parking garages across the city. TPA would like to pilot LEDs at Carpark 91 at 265 Armadale Avenue. This site currently uses 400-watt high-pressure sodium fixtures.

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Mr. Andy Fok

**University of Toronto**

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The university has replaced two 70-watt high-pressure sodium security wall packs on the Galbraith Building, with lower wattage LEDs. The wall packs provide illumination for security and adjacent pedestrian walkways. The university will consider expanding the use of LEDs on campus based, in part, on the results of the pilot.

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Helder Melo, Director

Site Operations and Services

**Toronto Harbourfront Centre**

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Harbourfront Centre is interested in piloting LEDs along the waterfront and throughout its large site, including on a pedestrian bridge. While pedestrian walks are the main focus, there are also opportunities to retrofit wall packs, bollards, and a variety of outdoor lighting used in tents and facilities at the site. Harbourfront is open to the use of adaptive controls in conjunction with an LED retrofit. Retrofit options are still under consideration and plans will be finalized in Fall 2009.

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## LightSavers GTA Pilot Projects

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University Health Network encompasses three large Toronto hospitals, including Princess Margaret Hospital. The originally planned retrofit has been cancelled due to technical difficulties. However, UHN is interested in exploring other opportunities to implement LEDs in its facilities.

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