

Appendix D

Corporate Energy Management Plan Action Update

New Energy Management System

The Town has purchased the Association of Municipalities (AMO) of Ontario Local Authority Services (LAS) Energy Management Tool (EMT). The EMT is a web based commodity tracking and management tool that focuses on municipal facilities – town halls, arenas, community centres, housing, and over 150 other facility types. The new system has increased and enhanced features from the existing town energy management software. This new system will assist with the development of the *Green Energy Act* reporting requirements.

Building Retrofits and BAS upgrades

Building improvements and retrofits have been implemented on many existing facilities. Building Automation Systems have been installed in all of our large buildings. In 2012, the town received an incentive cheque of \$37,000 from Oakville Hydro for energy efficiency improvements and upgrades at Town Hall.

Association of Municipalities of Ontario Local Authority Services Electricity Procurement Program

Oakville participates in the AMO LAS aggregated electricity purchasing program. From July 2011 to June 2012 Oakville saved \$343,000 in energy costs, through the purchase of spot market energy prices and hedging a portion of the town's electricity accounts.

Municipal Outdoor Lighting Standard and Street Light Standard

Staff developed a Municipal Outdoor Lighting Standard and Street Light Standard in 2011. The standard considers energy efficiency, dark sky impacts, effective asset management, and safety. The Street Light Standard and Municipal Outdoor Lighting Standard will reduce energy consumption by a minimum of 45%.

The new Mattamy development in the New Communities of Oakville will be the first to implement the Street Light Standard. More information on this pilot application of the new standard will be provided within future reports on energy management implementation.

In summer 2012, the town implemented the Street Light standard for Sixth Line street lighting upgrades.

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Rooftop Solar Photovoltaic Installations

Installation of a 60 kW solar photovoltaic system on Town Hall occurred in July 2012. This was achieved through a partnership with Oakville Hydro. The Town Hall installation is a part of the Ontario Power Authority Feed-In-Tariff program. In 2013, other town facilities will install rooftop solar photovoltaic systems.

A review is underway with Oakville Hydro to determine the most desirable facilities to move forward with in 2013. This may include Sixteen Mile Creek Sports Complex and Joshua's Creek Arena.



*Picture of Mayor Burton and Oakville Hydro CEO Rob Lister

Leadership in Energy and Environmental Design Buildings



Implementation of the LEED silver requirement for new town owned facilities. The new Transit facility and Queen Elizabeth Park Community and Cultural Centre have been designed to LEED Silver. Sixteen Mile Creek Sports Complex was awarded LEED Gold certification. The new North Park depot is currently being designed for LEED Silver certification.

In 2012, the town was awarded the FCM Sustainable Communities award in Green Building for the development of the Sustainable Design procedure, corporate energy management and the integration of LEED building design for Sixteen Mile Creek Sports Complex and the new transit facility

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Corporate Green Fleet Procedure Update

Fleet Electric Vehicles

In November 2012, the town's Fire department purchased the first electric vehicle in the corporate fleet. Staff has been involved with the assessment of electric vehicles for municipal fleet operations since 2009 including membership in the GTA EV300 program this has led to leadership steps in implementing the actions identified in the Green Fleet Procedure action plan.



Fleet Electric Charging Station

The implementation of a charging station for Fleet vehicles is underway to support the first and newly purchased Ford Focus EV for the Fire Department Fire Prevention services.

Community Electric Charging Station Network

Throughout 2012, town staff in partnership with Oakville Hydro and other external stakeholders has been reviewing the opportunity for a electric vehicle charging station network in Oakville. This will build on existing research and work the town has been doing to facilitate the implementation of electric vehicle charging in Oakville.