



City of
Peterborough

To: **Members of the Committee of the Whole**

From: **Ken Doherty, Director of Community Services**

Meeting Date: **June 22, 2015**

Subject: **Report CSD15-009
Municipal Energy Plan**

Purpose

A report seeking approval to submit a funding application to the Ministry of Energy for the development of a Municipal Energy Plan for the City of Peterborough.

Recommendations

That Council approve the recommendations outlined in Report CSD15-009 dated June 22, 2015 of the Director of Community Services, as follows:

- a) As recommended in the Sustainable Peterborough Plan, that a Municipal Energy Plan for the City of Peterborough be developed to map current consumption, investigate and recommend energy conservation programs and initiatives, manage current and future demand for energy, and plan for renewable energy generation;
- b) That an application to the Ministry of Energy for up to \$50,000 for a Municipal Energy Plan be submitted; and
- c) That Peterborough Distribution Inc. provides the 50% matching funds, up to \$50,000, for a total project value of \$100,000.

Budget and Financial Implications

Staff estimates that the Municipal Energy Plan will cost approximately \$100,000, which will be 100% funded from external funding sources. Staff will apply to the Ministry of Energy through the Municipal Energy Plan Program for \$50,000 and Peterborough Distribution Inc. has offered to fund the remaining \$50,000. Staff time and resources will be allocated from within their approved budgets. No additional municipal funding is required at this time.

Background

Council approved the Greater Peterborough Area Community Sustainability Plan on April 2, 2012. One of the priority action items in the plan is to develop Municipal Energy Plans to minimize the amount of energy used and to maximize the production of local, dependable sources of renewable energy.

Municipal Energy Plan

The Municipal Energy Plan Program is designed to help Ontario municipalities understand their energy use through a community energy planning process. A municipal energy plan (Energy Plan) is a comprehensive long-term plan to improve energy efficiency, reduce energy consumption and greenhouse gas emissions, foster green solutions and support economic development. The Energy Plan will look at energy use across the municipality, looking at the residential, industrial, commercial, institutional, transportation, as well as the municipal and public sector operations.

The Energy Plan will identify energy conservation and green energy opportunities for all sectors within the broader context of the built environment, land use planning, generation, and transmission infrastructure. The Plan will include energy mapping to identify energy consumption, intensity and conservation opportunities.

The Energy Plan will provide key energy use information and identifies a broad range of energy conservation opportunities that can help municipalities and local distribution companies in their long-term decision mapping and planning for future development.

The creation and implementation of a Plan can provide a number of benefits to the municipality and community at large, including:

- Providing energy conservation strategies, reducing costs and using cleaner sources of energy that will contribute to improved air quality, environmental protection and related health benefits;
- Aligning the built environment, energy and land use growth planning to help identify the best possible energy options for municipalities, creating complete communities and enhanced mobility;

- Supporting economic development and local business opportunities leading to an enhanced tax base and more competitive and sustainable communities;
- Increasing energy literacy and commitment to conservation leading to lower energy bills for residents and businesses; and
- Identifying community priorities to inform regional and provincial energy planning.

The Energy Plan will include a commitment and timeline to integrate energy recommendations and action items detailed in the Plan into other relevant municipal planning directives such as the Official Plan, economic strategy, growth plans, operational plans, etc.

Program Funding

The Ministry of Energy will provide up to \$90,000 per project or 50% of total project costs, whichever is less. Staff estimates that the City of Peterborough Energy Plan will cost approximately \$100,000, with \$50,000 funding from the Ministry of Energy. The Province's Municipal Energy Plan Program funding is restricted to municipalities only. Local distribution companies and gas utilities will participate as key stakeholders in the development of the Plan.

Funding is for stakeholder engagement, the gathering of baseline energy data, analysis of the data, creation of an energy map, and the creation of a Plan. The Municipal Council must approve the Energy Plan to complete the funding. Successful applicants have two years to complete their Energy Plan.

Summary

Municipalities have an essential role in determining how energy is used. Long term, strategic energy planning will help municipalities identify opportunities for energy conservation and foster local, sustainable green energy solutions.

Submitted by,

Ken Doherty,
Director of Community Services

Contact Name:

Melanie Kawalec,
Sustainability Manager
Phone: 705-742-7777 Ext. 1441
Toll Free: 1-855-738-3755
Fax: 705-748-8824
Email: Mkawalec@peterborough.ca