



THE CORPORATION OF THE MUNICIPALITY OF KINCARDINE

Subject: Energy Conservation and Demand Management Plan

Report Number: CAO 2019-11

Meeting Date: Monday, June 17, 2019

Recommendation: THAT Council receive staff report CAO 2019-11 and the attached Energy Conservation and Demand Management Plan for information purposes.

Date to be considered by Council: Monday, June 17, 2019

Report Summary: The purpose of this report is to update Council on the requirements of the Electricity Act with respect to greenhouse gas emissions and energy consumption reporting. The Municipality's existing Corporate Energy Conservation and Demand Management Plan (ECDMP) requires renewal and must be updated by July 1, 2019. The new ECDMP will be in effect for the 5-year period of 2019 – 2024.

Origin: O. Reg. 507/18 Electricity Act

Existing Policy: 2014-2019 Energy Conservation Demand Management Plan

Background/Analysis: Ontario Regulation 507/18 of the Electricity Act (previously O. Reg 397/11 of the Green Energy Act) requires all municipalities to assemble and publish annually, a greenhouse gas emissions and energy consumption summary on or before July 1st of each year. In addition, a Corporate Energy Conservation and Demand Management Plan must be completed once every 5 years. The Municipality's previous ECDMP was completed in 2014, and therefore was required to be updated in 2019. Staff engaged Blue Sky Energy Engineering & Consulting and Local Authority Services (LAS) for assistance in developing the updated plan.

The attached updated ECDMP covers the 5-year period from 2019 – 2024.

The energy plan must cover certain operations as per Table 1 of O. Reg 507/18, which includes specific municipal buildings as follows:

- Administrative offices
- Public libraries
- Cultural and recreational facilities and community centres
- Ambulance stations
- Fire stations
- Police stations
- Storage facilities
- Buildings related to the treatment of water or sewage
- Parking garages

It is important to note that certain buildings/facilities are excluded from reporting requirements, such as airports and medical clinics. There is also no requirement to report on street lighting.

In developing the ECDMP, municipal staff reviewed energy conservation projects that have been completed over the last 5 years. Energy consumption data from 2012 – 2016 was reviewed to determine what efficiencies were achieved overall. Overall, the Municipality has reduced its energy consumption by 13%, and greenhouse gas emissions have dropped by over 57% compared to the 2012 base year.

This plan includes a corporate vision, an overall view of the Municipality's energy consumption, and energy conservation and demand management mitigations, offering a renewed commitment to energy conservation in the Municipality.

Community Plan and Integrated Community Sustainability Plan (ICSP) Considerations: Demonstrate leadership in finance, governance and sustainability.

Financial Implications: The 2019 operating budget included \$6,800 in professional fees for the development of an updated energy plan.

Attachments: ECDMP 2019 - 2024