

Staff Report to Council

Title: Energy Conservation and Demand Management Plan

Report Number: CAO General-2024-18

Director: Community Services

Manager: Manager.

Meeting Date:
Wednesday, June 12, 2024

Date to be considered by Council:
Wednesday, June 26, 2024

Recommendation:

That Council review the Draft Energy Conservation and Demand Management Plan for consideration of adoption at its June 26, 2024.

Executive Summary:

Municipalities are required to report on energy use and green house emissions and to develop a plan for conservation of and managing energy use. Previously, this requirement was under the Green Energy Act, but is now required under the Electricity Act, 1998. This is the second update to the Municipality of Kincardine's Conservation Demand Management Plan. An update to the plan is required by July 1, 2024.

Strategic Priorities:

B.6-Protect and preserve our environment

Financial Considerations:

There are often long-term cost savings associated with energy reduction projects (e.g. installation of automatic lights). There are also financial requirements, for both human resources and for operating and capital funding to support successful implementation.

Policy:

2018-2024 Energy Conservation and Demand Management Plan

Context and Background Information:

The draft plan includes proposed activities for 2024-2029 and includes a progress report on planned activities identified in the 2018-2024 Conservation and Demand Management (CDM) Plan.

The initial municipal plan identified targets of a 5% energy savings over 5-year periods, starting from 2012. The targets have been exceeded, demonstrating that efforts to implement energy conservation measures have been effective.

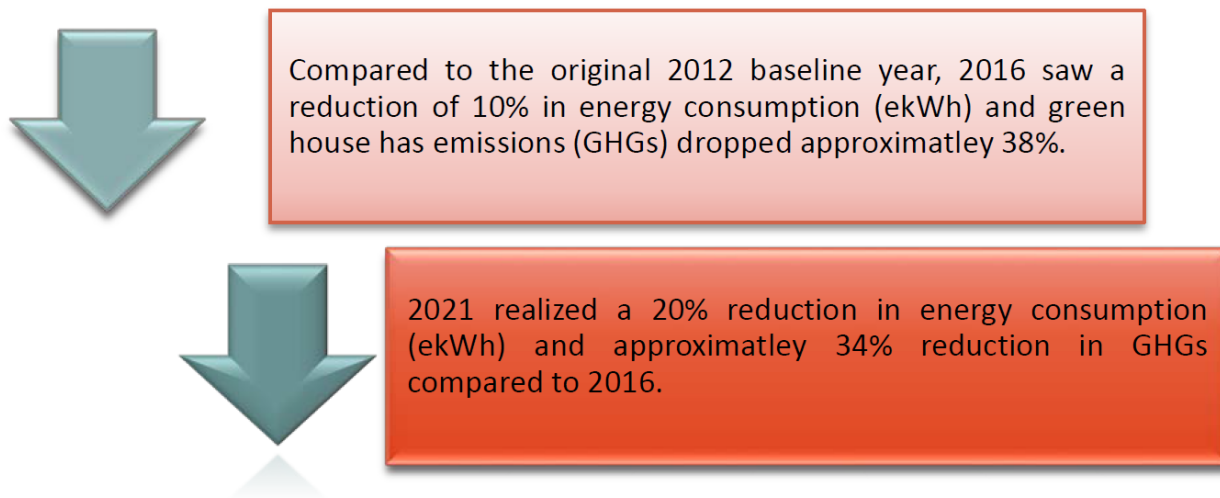


Figure 1

The Municipality has completed over 30 projects within the last five years which have contributed to reduction of energy consumption and reduced cost of energy consumption.

Since 2012, Kincardine has reduced energy consumption by approximately 28% and associated greenhouse gas emissions were reduced by approximately 59%.

Consultation Overview:

Staff from Infrastructure and Development, Community Services, Corporate Services, and the CAOs' Office were involved in reviewing and updating the 2018-2024 plan, as well as working with the consultant to help provide recommendations for the draft 2024-2029 plan.

Origin:

The requirements under Ontario Regulation 25/23 of the *Electricity Act* note that municipal plan for energy conservation and demand management only relate to municipally owned heated and/or cooled facilities and water and wastewater treatment facilities.

Implementation Considerations:

Resources are required to continue to build on previous successes. The proposed plan continues to work towards acting on a variety of projects. Some activities require existing staff

time, some will require operating or capital funds, and some may require additional human resource support.

In the future, further reductions of energy use and the associated greenhouse gas emissions will likely require more significant projects and programs in the future. For instance, innovative projects related to reducing energy consumption at water/wastewater facilities would require more significant investments of human resources (internally and externally) to plan, implement and monitor.

Risk Analysis:

A plan is required through provincial legislation, as is the monitoring and reporting on an annual basis to the province on energy consumption. Adopting a plan ensures compliance with the mandatory obligation.

Attachments: Draft Energy Conservation and Demand Management Plan 2024-2029

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