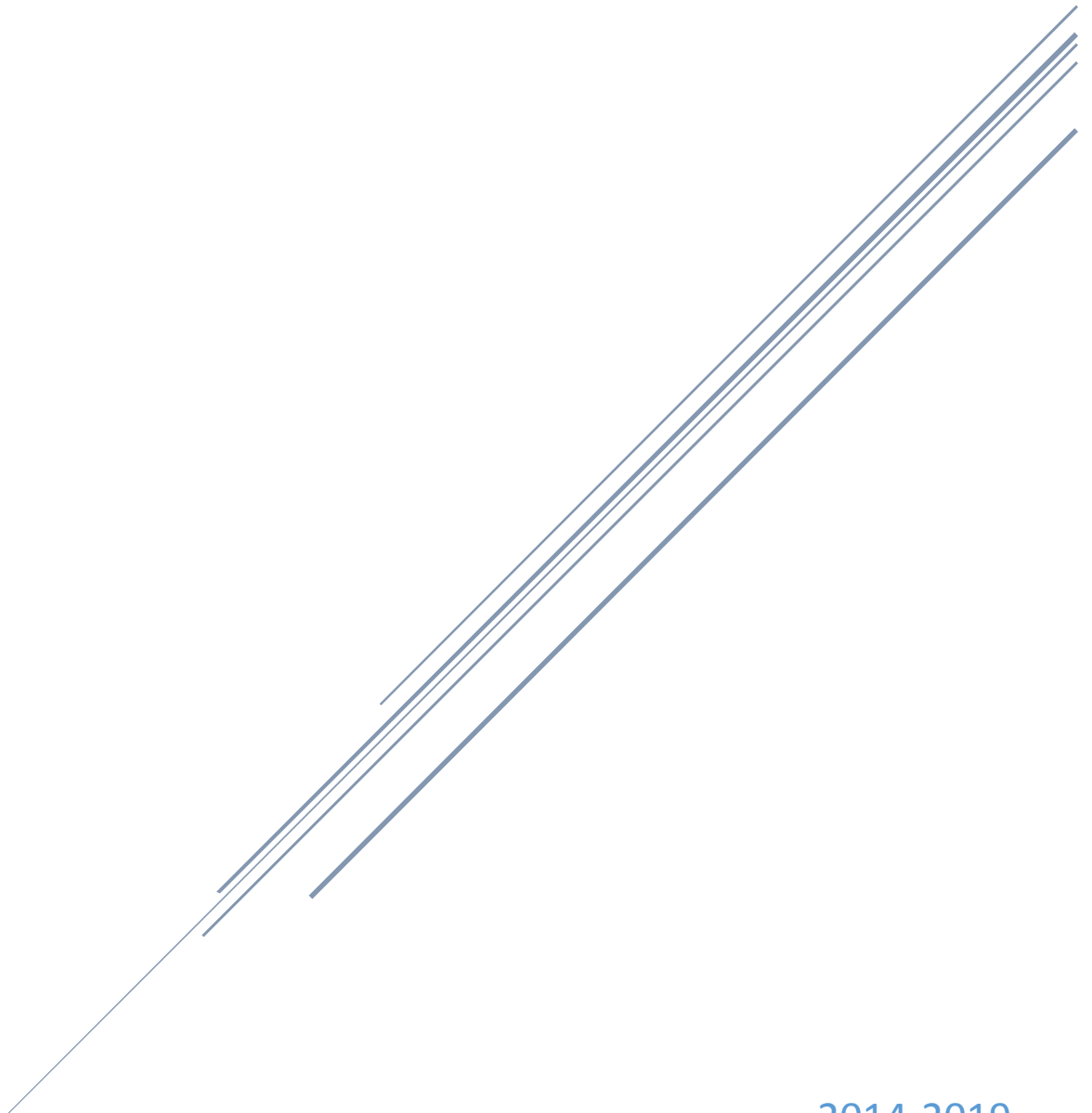




Energy Conservation and Demand Management Plan - 2014

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2014-2019
www.gananoque.ca

Council Commitment

The Town of Gananoque is committed to allocating the necessary resources to develop and implement an Energy Conservation and Demand Management (ECDM) Plan as required under Regulation 397/11 of the Green Energy Act.

Energy planning will help mitigate some cost increases, contribute towards improved service delivery and support local development while protecting human health and the local environment.

Vision

The Town of Gananoque will strive to continually reduce our total energy consumption and associated greenhouse gases (GHGs) through smart and efficient use of energy and resources, while still maintaining an efficient and effective level of service for our residents and the general public. This will involve an effort to increase the education, awareness and understanding of energy management within the municipality. Total energy consumption includes electricity, natural gas, and vehicle fuel. This vision can be achieved through a Town wide commitment to energy efficient facilities, operational efficiencies and developing a culture of energy awareness within the municipality.

Policy

The Town of Gananoque will incorporate energy efficient practices into all areas of our activity including organizational and human resources management procedures, procurement practices, financial management, facility operations and maintenance, and fleet operations. Energy costs form a large component of the operating budget for municipal facilities and fleet. The goals and objectives of the Energy Conservation and Demand Management Plan will be shared with all municipal departments.

Goals

The Town of Gananoque's Energy Conservation and Demand Management Plan will assist the Town work towards the following goals:

- (1) Maximize fiscal resources and mitigate cost increases through direct and indirect energy savings.
- (2) Reduce the environmental impact of the municipality's operations.
- (3) Increase the comfort and safety of staff and patrons of the municipality's facilities.
- (4) To create a culture of conservation and energy awareness within the municipality.
- (5) To improve the reliability (and reduce the operating costs) of the municipality's facilities and fleet.

Overall Target

Essential for a successful, long term Energy Conservation and Demand Management Plan vision is a clear energy policy with realistic and measurable objectives.

The Town of Gananoque's energy target will be to reduce municipal energy consumption (fleet, facilities, streetlights) by 10% by 2019. This target will be measured and re-evaluated each year to ensure the Town is on track and to take advantage of new technology as it becomes available.

Objectives

The primary objective of the energy plan is to improve the management of the Town's energy consumption. With the development and ongoing review of the plan, the Town (and all its corporate Departments) will have a plan and framework to ensure energy management is a consideration in all budgeting, operations and facility decisions. Staff awareness and buy-in is critical in moving towards reducing energy consumption and greenhouse gas emissions.

In order to meet the goals of this Plan there are a number of actions that can be taken including:

- (1) Ensure energy efficiency is a goal across municipal facilities and fleet operations. Energy audits will be completed on all facilities and for the municipal fleet.
- (2) Monitor and report to Council on energy consumption and energy reduction opportunities on a regular basis. This will also include reporting on energy generation opportunities (i.e./ solar).
- (3) Analyze energy costs and opportunities for reductions and savings. This will include pursuing funding incentives or energy projects.
- (4) Raise Council and staff awareness with respect to energy efficiency.

Organizational Plan and Details

The Town of Gananoque requires reliable, low cost, sustainable energy sources delivering energy to efficient facilities and fleet resources.

The Town of Gananoque will develop and implement energy policies, and invest in energy management measures. As an integral component of the management structure, the Energy Conservation and Demand (ECDM) Plan is to be coordinated with the municipality's budget planning, purchasing policy, and other policies as developed.

The Town of Gananoque will have regard to life cycle costs with design procedures for all new (and renewal of) capital projects, including (but not limited to) HVAC equipment, lighting, building envelope design, water use, building automation systems, and fleet design and specification.

Leadership

As the largest user of energy with the municipality, the Public Works Department (and in particular, the Director of Public Works position) will be tasked with overall responsibility for corporate energy management. While energy conservation and reduction requires the full cooperation and participation of all departments and staff, it is essential to have a single person and/or department tasked with providing leadership in this regard.

The Town of Gananoque will support energy management training for relevant staff and members of Council. Training will also be incorporated into employee orientation and integrated into ongoing staff training as appropriate.

Purchasing and Budgeting

In addition to energy conservation, the procurement of energy also plays an important in managing energy costs within the municipality. The Town of Gananoque will pursue bulk or group purchasing (through AMO's LAS program and others), as well as publicly tendering for energy use when feasible and in accordance with the Town's purchasing policy.

Energy efficiency will also be incorporated into the specifications when tendering of materials and equipment.

Energy and operating costs savings, asset/infrastructure renewal, and improved service delivery are all benefits of energy conservation and demand management. Municipal staff will investigate, document and communicate funding sources for energy projects, including government and utility grants and incentives.

Implementation

The administration and implementation of this Energy Conservation and Demand Management Plan will be the responsibility of the Director of Public Works and the Public Works Department.

However, since all municipal operations and facilities use energy, all staff must be aware of their energy usage and work towards improved energy conservation and reduced usage. It is expected that energy conservation and management will be a focus of the Senior Management Team and that the development of programs/policies will be a corporate-wide initiative.

The Energy Consumption and GHG report that was submitted by the Town to the Ministry of Energy in 2013, detailed the 2011 operational year. This report provided the baseline data for energy consumption for each municipal facility and operation. Future reports will allow a comparison against the baseline (and each subsequent year) and will allow for tracking trends and improvements in energy consumption.

Ongoing Evaluation

As part of the Town's energy management strategy, continuous monitoring, and reporting are essential to track usage and cost. Staff will continue to report on annual energy usage along with initiatives taken to reduce energy consumption. In addition to providing ongoing information to staff and Council, this will also allow the Town to measure its performance against its long term energy goals.

The Town will continue to review and evaluate this energy plan, revising and updating it as required and will report to the Ministry of Energy pursuant to Ontario Regulation 397/11.

For more information and contact details, please visit www.gananoque.ca