



**Energy Conservation
and
Demand Management Plan**

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2019

www.mallorytown.ca

Commitment

The Council of the Township of Front of Yonge is committed to providing 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 Township of Front of Yonge 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, stove & furnace oil, and propane. This vision can be achieved through a Township wide commitment to energy efficient facilities, operational efficiencies and developing a culture of energy awareness within the municipality.

Policy

The Township of Front of Yonge 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. The goals and objectives of the Energy Conservation and Demand Management Plan will be shared with all municipal departments.

Goals

The Township of Front of Yonge's Energy Conservation and Demand Management Plan will assist the Township's work towards:

- Maximizing fiscal resources and mitigate cost increases through direct and indirect energy savings.
- Reducing the environmental impact of the municipality's operations.
- Creating a culture of conservation and energy awareness within the municipality.
- To improve the reliability (and reduce the operating costs) of the municipality's facilities.

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 Township of Front of Yonge's energy target will be to reduce municipal energy consumption (facilities, streetlights) by 10% by 2024. This target will be measured and re-evaluated each year to ensure the Township 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 Township's energy consumption. With the development and ongoing review of the plan, the Township will have a plan and framework to ensure energy management is a consideration in all budgeting, operations and facility decisions. Staff awareness 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. Energy audits will be completed on all facilities.
- (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 Township of Front of Yonge requires reliable, low cost, sustainable energy sources delivering energy to efficient facilities and fleet resources.

The Township of Front of Yonge 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, and building automation systems.

Leadership

The Clerk 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 Township of Front of Yonge 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.

Renewable Energy Utilized

The Township currently relies on renewable energy sources to offset hydro at two locations: the Municipal Roads Garage and the Fire Hall. The Township will continue to explore opportunities for renewable energy options as it reviews its asset management objectives.

Past Energy Initiatives

Over the last five years, the Township has:

- Installed LED street lighting in the Village of Mallorytown
- New efficient LED lighting has been installed at the Township Office, Community Centre, Fire Hall; and
- Annual inspection and maintenance of HVAC systems are performed by a local HVAC service company

Future initiatives include:

- Renovations that incorporate energy reduction measures, planned for implementation in 2020/2021 for the Roads Garage; and
- Improving maintenance at municipal facilities to ensure peak operation of HVAC systems, window and door seals, lighting, etc.

Implementation

The administration and implementation of this Energy Conservation and Demand Management Plan will be the responsibility of the Clerk and the Administration 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.

The Energy Consumption and GHG report that was submitted by the Township to the Ministry of Energy in 2019, detailed the 2017 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 Township'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 Township to measure its performance against its long term energy goals.

The Township 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.

Upcoming Projects

Description	Date	Details	Status
Roads Garage HVAC upgrade	2019-2020	Replace existing oil tanks, furnace and water heater and furnace to propane	Pending
Facility Maintenance Upgrades	2019-2022	Where possible, all municipal facilities will receive upgrades that will help the Township meet its reduction targets by reducing energy loss. This will include replacing exterior doors or door seals, replacing windows, etc.	Ongoing