
Conservation & Demand Management Plan

For the Township of
Baldwin (2014-2019)

Prepared by:
Peggy Young-Lovelace,
Clerk-Treasurer



Introduction

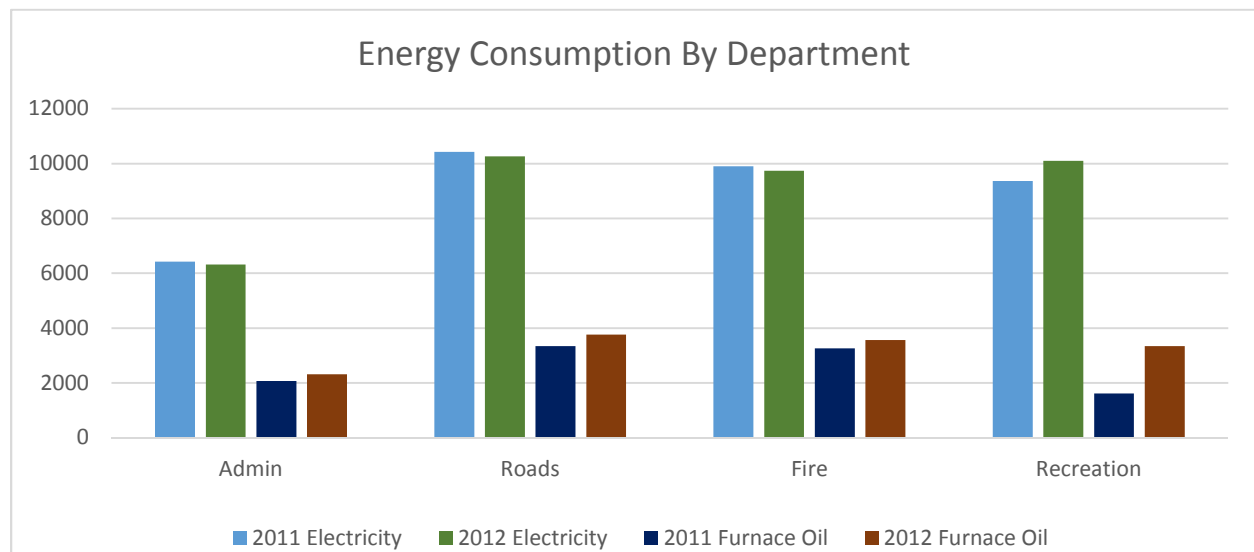
The following document has been prepared for the Corporation of the Township of Baldwin to achieve compliance with Ontario Regulation 397/11 of the *Green Energy Act 2009*. Under this regulation municipalities and other public service bodies must prepare a five year plan on how they will conserve energy and optimize consumption patterns.

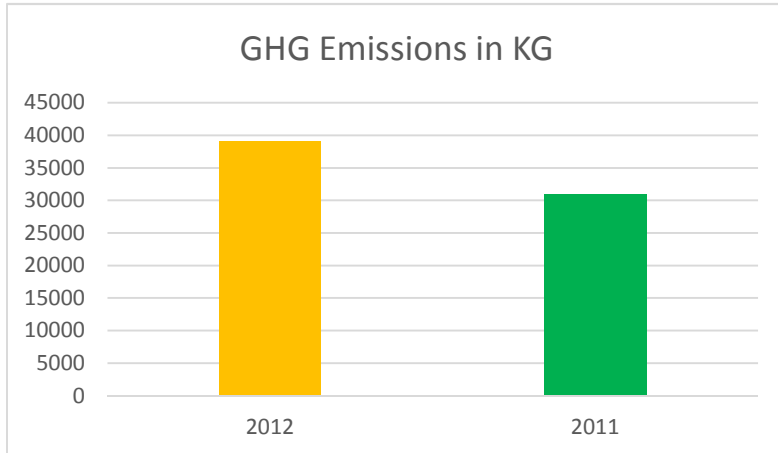
Background

Baldwin Township is a small rural northern municipality with an overall size of 83.29 km² (32.16 sq mi) having a year round population of 551(2011 Stats Can). The Township is situated north of the Town of Espanola and runs east and west along the Trans Canada (Highway 17). The municipality maintains 56 kms of single lane roadway. There is no municipal water or sewage treatment system. Municipal operations are conducted out of a building that was constructed prior to 1927 as a one room school house. Modifications have been made to the building over the years; most notably the addition of a fire hall and two bay garage for fire vehicles. Additionally, on the same site a steel garage was erected which houses the backup generator and heating system for the municipal office and fire hall. At a separate location, the municipality has a multi-use facility.

The Township operates with a staff of 4; a full-time Road Superintendent, a full-time Clerk-Treasurer, a part-time Deputy Treasurer, a part-time maintenance/general labour person and 15 volunteer fire personnel.

Prior to the Province of Ontario mandating energy conservation, the staff of Baldwin Township practiced it as a measure of cost control. Energy efficient lights, newer computer systems and other equipment has been purchased to reduce the consumption of electricity. Use of the Air conditioning unit has also been minimized and office lights are turned off during afternoon on sunny days.





- In 2012 electricity consumption decreased for Administration, Roads and Fire Departments by 436 KWH less than 2011 values; it increased in the multi-use facility by 742 KWH for the same timeframe which is in direct proportion to more people using the facility over the year.
- In 2012 the cost for electricity went up by \$194.57 for Administration, Roads and Fire Departments even though consumption went down over the

previous year.

- Overall, in 2012 furnace fuel consumption increased. This is directly proportional to increased use of the multi-use facility; colder winter temperatures and an old municipal building with questionable insulation.
- The municipality also has streetlights within certain areas of the Township. These lights were installed prior to the evolution of LED and other more energy efficient lighting systems. Currently the Township is not aware of the amount of electricity consumed in the operation of these lights as an equal billing agreement is in place with Hydro One.

Five Year Plan

The Corporation of the Township of Baldwin has always exercised prudent financial practices and attempted to control electricity and fuel consumption. It is impossible for the Township to decrease its current consumption patterns as:

- a) instituting a policy that reduces furnace fuel use will directly affect the health and well-being of staff;
- b) decreasing electricity consumption would require a reduction in service level as the office would need to be closed;
- c) it is not a wise or strategic investment of taxpayer monies into upgrading a building that is more than 87 years old and has issues beyond energy loss; and
- d) the construction of the multi-use facility was to provide the community with a building that they could use when they require it.

In addition, it is impossible to determine cost savings directly correlated to decreased use with the fluctuating costs of fuel and electricity.

Over the next five years the Township will continue with current practices in order to control energy consumption while investing into reserve funds to construct a new municipal building utilizing best practices in energy efficiency and prepare a plan to replace the existing streetlights with a more energy efficient type.

We do not have the financial resources to react any differently at this time. Nor do we see any circumstance over the five year time frame of this plan that we will be successful in obtaining funding

from the Province as only roads, bridges and water treatment plants are considered critical infrastructure.

THE CORPORATION OF THE TOWNSHIP OF BALDWIN

MOVED BY: *Ray Maltais*

DATE: June 9, 2014

SECONDED BY: *[Signature]*

MOTION NO.: 14-067

NOW THEREFORE BE IT RESOLVED THAT: Council accepts the Conservation & Demand Management Plan.

Carried Defeated Reeve *Duke Bann*

RECORDED VOTE	FOR	AGAINST
Archie Bovin		
David Fairbairn		
Dennis Golden		
Vern Gorham		
Ray Maltais		