

2016 Energy Conservation and Demand Management Plan



The Corporation of the Township of Dubreuilville

2016 Energy Conservation and Demand Management Plan

Energy Conservation and Demand Management Plan

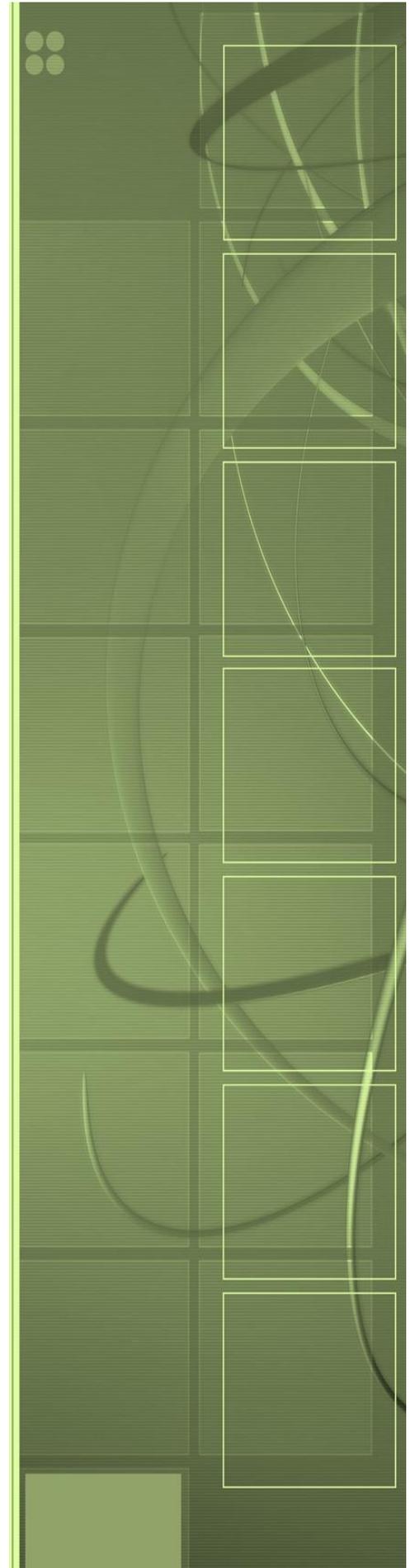
The Corporation of the Township of Dubreuilville is committed to the energy conservation of all of its municipally owned buildings and in meeting with the requirements of the *Green Energy Act, 2009*. Starting in 2011, the Council of the Corporation of the Township of Dubreuilville initiated its first Energy Task Force committee which setup specific guidelines and standards for the committee. The subject of energy is now discussed during bi-annual staff meetings. The guidelines that formed the premise of the Energy Task Force are listed as follows:

- Identify cost saving energy improvements in each municipally owned building in analyzing all forms of energy consumption;
- Identify changes that could be done at a minimal cost and could be budgeted for future years;
- Create policies on energy conservation regarding all municipally owned buildings;
- Department Head and at least one employee should be involved in buildings that are part of his/her department;
- All employees should be made aware of new policies in place and general day to day energy saving awareness.

Current Energy Conservation Measure

The Corporation of the Township of Dubreuilville has taken several measures to ensure that energy conservation remains a priority. While living in the North, with cold winters and high cost of energy, we need to do our very best to make sound energy decisions daily. The Township monitors on a monthly and yearly basis the hydro usage of each municipally owned building. The hydro KW usage data is analyzed and utilized in targeting possible cost/energy saving efforts. To date, we have been able to reduce energy costs from making the following changes and which is ongoing:

- Shutting down hot water tanks in the summer time;
- Turning off various refrigerators in the rental halls (when not in use);
- Keeping hallway office lights turned off when not in use within the municipal complex – since June 2011;
- Using natural light as often as possible to avoid turning on the lights within any building;
- Ensure heat is turned off in municipal arena during the summer season;
- Turning off all bathroom fans for the time being; however, the installation of sensors will be explored in the future;
- Created a “ After Hall Rental” checklist to ensure lights are off, heat is down, etc.;
- Applied and received funding through NOHFC and FedNor to renovate the municipal complex roof, insulation and siding, windows, heating/cooling roof top units, which in turn will ensure the energy efficiency of the building (completed work in 2014);
- Applied and received funding through Ontario Trillium Foundation to change the Arena hall windows and heating systems, as well as changing the Arena ice surface lights to new more energy efficient lighting technology (completed in 2014 and 2015);
- Closure of a under-utilized municipal building since 2014, sale has yet to occur (hydro breaker is turned off);
- LED Street Lights conversion/upgrade project was completed in July of 2015 through Gas Tax funding in partnership with Real Term Energy and LAS;



2016 Energy Conservation and Demand Management Plan

- Several exterior lights on municipal buildings were changed to LED and energy efficient technology;
- An LED light was installed at our Resource Centre to illuminate the hill while kids are sliding and it is turned off during the summer months. The possibility of installing a timer during the winter months will be explored to turn off automatically at 11 p.m.;
- Slowly working towards meeting the requirements and deadlines of the Green Energy Act.

Furthermore, the Corporation of the Township of Dubreuilville has participated in the saveONenergy small business lighting initiative through the Ontario Power Authority in converting all municipal lighting within our buildings into energy efficient systems. This project will significantly reduce energy consumption and will create an annual estimated cost savings of up to \$5,466.²⁰ a year. The Corporation of the Township of Dubreuilville has taken significant steps in reducing energy consumption and plans to continue towards achieving future energy conservation initiatives. We usually receive incentives for all new energy saving measures we implement and have been very successful in doing so.

Future Initiatives

In keeping with our commitment on a go forward basis, bit by bit the Corporation of the Township of Dubreuilville will continue to find innovative solutions regarding energy conservation methods. Through our meetings with staff and council we have been able to target future energy conservation tasks which are listed as follows, of course some of these may be long-term goals to achieve depending on budget and potential funding opportunities:

- The creation of an Annual Check List for each municipal building;
- Creation of policies for every municipal building;
- Obtain quotes to install sensors in all bathrooms in the municipal complex and various other municipal locations, such as hallways, fire hall, etc to turn off lights and fan automatically when not in use;
- Acquire energy efficient products in all future expenses;
- Sale of an older municipal building that is under-utilized;
- Continue to search for grant programs;
- Creation of a form for hall renters to acknowledge receiving the rules and regulations regarding energy consumption. It will include a penalty fee of \$20.⁰⁰ if they do not follow the rules;
- Turning off computers each evening;
- Strive to meet all future regulations in the Green Energy Act.
- Verifying and replacing all weather stripping on all doors and keep monitoring;
- 2016 budget has been approved to purchase and install five new heat/cold wall units within the municipal complex, with approved saveONenergy incentives for energy efficient systems;
- Foam insulation of ceiling in arena hall and change two double doors at arena;
- Monitoring the monthly/yearly consumption of hydro in all buildings and trying to pin point energy differences and where we can lower costs.

The Corporation of the Township of Dubreuilville continues to take significant steps in lowering the amount of energy consumption being used throughout all their municipal buildings. Through teamwork, communication, awareness and dedication, our staff continues to reduce energy costs while providing greater service delivery to citizens by enhancing cost savings. There are still many challenges to face; however, the Township of Dubreuilville is willing to tackle them head on and make the necessary energy saving changes to benefit all.

Together we can make a difference one day at a time!!!