

Mulmur's Community Energy Plan

Changing the Way We Look at Energy

It will take a community to tackle a challenge like energy reduction and carbon emissions. Mulmur's community energy plan is designed to be a critical tool.

The Importance of Community Energy Plans

"Community Energy Plans are gaining momentum in Ontario as a way for municipalities to build prosperous and livable communities."

- Advancing Integrated Community Energy Planning in Ontario: A Primer

What has Mulmur Done to Help?

Each year Mulmur has reported its energy use and GHG emissions. It has installed geothermal heating and cooling in its municipal building and a solar PV system on its roof. LED light replacement is ongoing to reduce energy use.



A Road Map for Energy Conservation

When it comes to energy usage, we usually only think about it when the bills come in. In our day to day lives we often don't track our total energy use or wonder where it comes from. Taking inventory of our energy use can have positive financial and environmental benefits, by discovering inefficiencies in our systems to changing some of our daily habits and switching our energy use to cleaner alternatives. Keep in mind that our energy use typically includes not only electricity, but gasoline, diesel, heating oils, propane and wood. A close examination of your systems and energy use can potentially mean big cost savings for you.

The Town of Mulmur has decided to take inventory of the community's total energy use and identify the associated greenhouse gas (GHG) emissions that are released in relation to the community's energy use. The goal of this study is not only to show residents and businesses how they can both save money, but also create a path for Mulmur's sustainable development. If our residents and businesses actively participate, we will show you how you can each contribute, save money and help to meet the Canada's GHG reduction targets.

Most communities across Ontario are taking it upon themselves to become more involved in tracking energy consumption and the impact their energy use makes. Creating a plan to act will provide a guideline or road map to help reduce energy use in Mulmur.

These plans, better known as Community Energy Plans (CEP), are created to help communities understand their energy consumption and foster local sustainable energy solutions. Here in Ontario, CEP's are popping up all over, most urban communities are ahead of rural communities. It is becoming a priority for every community to create a plan for the future of their energy use and promote long term sustainability.

Mulmur has decided to join this movement. Development of the CEP is 100% funded by the Federation of Canadian Municipalities, the Ontario Ministry of Energy and supported by Mulmur's Staff and Council. R.J. Burnside & Associates Limited is working with Mulmur to produce the CEP; help promote the community's energy efficiency and reduce GHG levels.

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A Road Map for Energy Conservation

Canada is One of the Highest Ranked Energy Consumer's

"Canada is a huge consumer of energy. In 2002, it ranked almost equal to the United States for first place among the G-8 nations. These are the eight most industrialized countries in the world, in terms of per capita energy consumption"

-Statistics Canada

Canadas Emission Ranking

On a per Capita basis Canada ranks within the top 10 countries that emitted the most carbon dioxide in 2015.

-Union of Concerned Scientists

To get a clear understanding of Mulmur's energy use this plan will cover all sectors including, residential, commercial, institutional, agriculture, and transportation. We will research not only the estimated energy use but also provide potential energy solutions to reduce use, in particular energy use that generates GHG. Mulmur's CEP will be an educational tool that will act as a catalyst to increase energy efficiency and reduce your costs; however, the CEP will only be successful if our residents and businesses actively participate and make changes. The CEP is designed to be created with extensive help from the community, gathering ideas and knowledge from the stakeholders of Mulmur.

We are inviting you to participate.

An online survey is now available at <http://mulmur.ca/departments/public-works/energy-study>. We encourage all residents to use it and make your views known. A public open house is planned for September, 28th 2019.

This work will not succeed without your participation.

If you have some time and want to contribute to your community, we want to identify some community leaders who will carry on with this important work. All age groups are welcome, and we want to encourage local high school and university age students to get involved. It's your future!

Many people feel helpless to contribute to stop climate change, but this CEP will present real things you can do to make a difference. Look to your local newspaper and Mulmur's CEP website <http://mulmur.ca/departments/public-works/energy-study> for further information.

Canada and three other countries have now declared that the rapid changes to the world's climate is a national emergency. Scientists have stated we have less than 10 years to dramatically reduce GHG levels to avoid irreversible damage with temperatures of 1.5°C. increase. Canada has already exceeded a 1.7°C average annual increase (over land) since 1948. Increases in the North, the Prairies and northern BC are higher. Average annual temperatures in northern Canada increased by 2.3°C. See <https://changingclimate.ca/CCR2019>.

It will take a community to tackle a challenge like energy reduction and GHG emissions, and this CEP is designed to be a critical tool to help achieve the reduction goals that will be set with this study.

If you are Interested in learning more, please see (<http://mulmur.ca/departments/public-works/energy-study>) or **would like to participate** contact (info@mulmur.ca).

