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June 18, 2021

To Whom It May Concern

The Municipality of Red Lake participates in the Partners for Climate Protection (PCP) program and has done so for several years now. The program is a network of Canadian municipal governments that have committed to reducing greenhouse gases and acting on climate change. The PCP program is based on a five milestone framework, which includes creating a greenhouse gas emissions inventory and forecast, setting an emissions reductions target, developing a local action plan, implementing the local action plan, monitoring progress and reporting results.

A greenhouse gas inventory brings together data on community and municipal energy use in order to estimate greenhouse gas (GHG) emissions in a given year.

We continue to make best efforts and are committed to the five (5) year Conservation and Demand Management Plan. This plan is a living-working document, outlining our strategies to reduce greenhouse gas emissions, creating a cleaner environment for the residents and visitors of Red Lake.

The Conservation and Demand Management Plan remains a very useful tool which enables the Municipality to monitor, evaluate and improve on the efficiencies of all Municipal assets and associated energy uses/consumptions. Within the plan document are our goals, objectives, and the measures we will take to meet such goals.

The Municipality of Red Lake is proud of its energy management to date and will continue best efforts to seek alternatives and efficiencies for continuous improvement. We have much work to do yet, but we will remain committed for the betterment of the environment and lands in which we occupy.

Regards,

Mark Vermette

CAO, Municipality of Red Lake

# **CONSERVATION AND DEMAND MANAGEMENT PLAN**

**2019-2023**

## **Goal**

WHERE WE WANT TO BE

The land is critical to our community. We take pride in the quality and abundance of our natural resources: wildlife, green space, water quality, clean air, and tranquility. We will be stewards of the environment by ensuring that our growth is balanced with environmental sustainability to ensure the quality of resources we enjoy today is available to future generations.

## **Objectives**

1. Establish internal Municipal policies to demonstrate commitment and leadership to environmental responsibility.

As a major employer in the area, the Municipality has the opportunity to demonstrate effective business practices, including internal reduce-reuse-recycling programs and green procurement policies that can provide an example for other institutions, agencies, businesses and organizations in the community.

2. Create a greenhouse gas emissions inventory and establish an emissions reduction target.

In the next five years, the Municipality will seek to achieve these first two milestones in the Partners for Climate Protection Program. A greenhouse gas inventory brings together data on community and municipal energy use and solid waste generation in order to estimate greenhouse gas (GHG) emissions in a given year. The inventory can be used to document energy consumption and waste composition data, and to calculate the resulting greenhouse gas emissions. To develop a reduction target, the Municipality will seek the input of residents, non-

governmental organizations and the private sector. The greenhouse gas reduction target and the timeline for achieving it will be adopted by Council.

### 3. Develop ongoing public education/awareness strategy

Environmental stewardship is the responsibility of all citizens. Working with partners in the education system, industry, tourism and other government agencies, the Municipality will seek to ensure a high degree of public awareness of the value of the local ecosystems and the ability of each business, organization, and individual to adopt practices that support sustainability of the region.

Goals and Objectives taken from the Municipality of Red Lake Sustainable Community Plan

## Technical Measures

Listed below are the technical measures the Municipality of Red Lake intends to carry out between January 1, 2019 and December 31, 2023

FACILITY	MEASURE	ESTIMATED COST	ESTIMATED SAVINGS	ESTIMATED TIME IN PLACE
Red Lake Sewage Treatment Plant 2019	Replace garage door	\$15,000	\$2,000/yr	Until the door fails to properly close, seal and insulate the opening.
Red Lake Water Treatment Plant 2019	Convert from Oil to Natural Gas	\$8,700	\$8,700/yr	Life span of the system
Balmertown Reservoir Pumping Station 2019	Convert from Electric to Natural Gas	\$82,000	\$8,000/yr	Life span of the system

Facilities/parks 2020	Convert outdoor lighting to LED	\$14,000	\$2,000	Until newer technology exists for better energy efficient lighting
Balmertown Library 2020	Replace windows/siding	\$35,000	\$4,000/yr	Until replacement is required.
Facilities/parks 2021	Convert outdoor lighting to LED	\$20,000	\$2,000	Until newer technology exists for better energy efficient lighting

## Organizational Measures

That the Municipality of Red Lake adopts a policy that any new builds strive to achieve the criteria of a LEED silver rating.

All T12 fluorescent lighting will be switched to T8 when ballasts fail.

All other types of lighting will be switched out to LED lighting when current lighting fails.

The Municipality has added the Environment to its Parks and Recreation Committee portfolio so as to have monthly discussions about how municipal daily business impacts the environment.

The Municipality built is Market Pavilion with LED lighting throughout the Pavilion itself and LED lighting with sensor controls for its changeroom/washrooms

## Behavioral Measures

To engage Municipal staff to suggest/submit energy saving ideas for his/her workplace.

To have energy savings discussions as part of monthly safety meetings.

## Renewable Energy

The Municipality of Red Lake has 4 facilities which are heated/cooled by a geothermal system. These facilities are the Red Lake Library, Municipal Office, Airport Terminal Building and the Goldcorp Red Lake Medical Centre. Geothermal systems are 75% more efficient than oil burning systems and are also much cleaner for the environment.