

# **CONSERVATION AND DEMAND MANAGEMENT PLAN**

**2018-2022**

## **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, 2018 and December 31, 2022

FACILITY	MEASURE	ESTIMATED COST	ESTIMATED SAVINGS	ESTIMATED TIME IN PLACE
Red Lake Community Centre 2018	Energy Audit	\$15,000	Will assist in achieving 20% reduction in energy consumption	Until all feasible recommendations are met
Municipal Office 2018	Energy Audit	\$10,000	Will assist in achieving 20% reduction in energy consumption	Until all feasible recommendations are met
Red Lake Sewage Treatment Plant	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

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/washroom.

## 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.