

Energy Conservation and Demand Management Plan

Municipality of Shuniah

2019 to 2023

Commitment

- **Declaration of Commitment:** Council Resolution: We will allocate resources to develop and implement a strategic energy management plan directed at reducing our energy consumption and its related environmental impact.

- **Vision:** We exercise stewardship in our use of finite energy resources to demonstrate leadership, optimize our delivery of services, and enhance the overall quality of life in our community.

- **Goals:** To continuously improve the energy efficiency of our facilities and processes in order to reduce our operating costs, our energy consumption and the concomitant greenhouse gas emissions.

- **Overall Target:** We will reduce our consumption of fuels and electricity in all municipal operations by an average of 3% per year between now and 2018.

- **Objectives:**

1. To implement energy audits on municipal facilities during the next five years;
2. Ensure energy efficiency consistency across municipal facilities.
3. Better analyze energy costs and look for savings opportunities.
4. Raise staff and Council awareness around energy efficiency.
5. Identify and seize renewable energy generation opportunities where feasible.

Organizational Understanding

- **Summary of Current Energy Consumption, Cost and GHGs:** The total annual energy consumption for 2017, base year, in municipal operations is 50739 ekwh/sqft and GHG emissions of 82,248 kg CO₂e/yr.

- **Renewable Energy Utilized or Planned:** The Municipality of Shuniah aspires to show leadership in the promotion and development of renewable energy systems that are compatible with our asset management and land use planning objectives.

Strategic Planning

- **Links with other municipal plans:** As an integral component of the management structure, the energy management plan is coordinated with the municipality's budget planning process, preventative maintenance plans, environmental management plan, and the overall asset management plan.

Structure Planning

- **Staffing requirements and duties:** We will incorporate energy efficiency into standard operating procedures and the knowledge requirements for operational jobs.

Resources Planning

- **Energy Leader:** We will clearly designate leadership and overall responsibility for corporate energy management.

Procurement Planning

- **Consideration of energy efficiency of acquired equipment:** Our purchasing procedures will be modified as required to incorporate energy efficiency into the criteria for selection of materials and equipment.

Implementation Planning

- **Building Standards:** We will develop criteria for the design and/or acquisition of new buildings that include energy performance factors and that use as appropriate the principles embedded in performance standards such as LEED and the Model National Energy Code for Buildings.

Projects Execution

- **Municipal Level:** We will carry out the required development of business procedures and communication programs and implement them methodically according to the planned time lines within the resources constraints that apply

- **Asset Level:** We use department and facility energy team representatives to facilitate the implementation of facility level business procedures and communication initiatives, including energy performance reporting.

Review

- **Energy Plan Review:** We will review and evaluate our energy plan, revising and updating it as necessary, on an annual basis within our corporate planning process.

Evaluation Progress

- **Energy Consumption:** Our GHG emissions level in 2017 was reduced by 24% from our 2011 GHG emissions level.