

CORPORATION OF THE MUNICIPALITY OF CALVIN

**2016 ANNUAL REPORT
ENERGY CONSUMPTION
and
GREENHOUSE GAS EMISSIONS (GHG)**

Preamble


The Provincial Government has committed to help public agencies better understand and manage their energy consumption. As part of this commitment, Ontario Regulation 397/11 under the *Green Energy Act, 2009* requires certain public agencies—Municipalities, Municipal Service Boards, Schools Boards, Universities, Colleges and Hospitals—to report on their energy consumption and greenhouse gas (GHG) emissions annually beginning July 1, 2013, and to develop and implement five-year energy conservation and demand management (CDM) plans starting in 2014. The Corporation of the Municipality of Calvin completed their 2014 – 2018 Five (5) year Energy Plan approved and adopted by Council on June 24, 2014. The Corporation of the Municipality of Calvin presents its figures for the **2016** energy reporting year as follows:

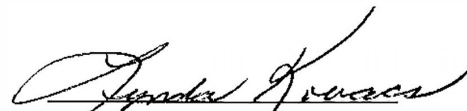
<u>Location</u>	Total Floor Area (sq.ft)	Avg # of Hours/Wk	Electricity (kw) Used	Fuel Oil 1 & 2 Used	Propane (litres) Used	Renewable ?	GHG Emission (Kg)	Energy Intensity (ekWh/sqft)
Calvin Fire Hall	3121.5	40	3839.373	2670		No	7439.34857	10.44883
Calvin Garage	2583.30	48	9108.42		14070.7	No	22006.50968	41.81986
Calvin Community Centre/Office	3752.30	40	21352.21	3311.8		No	9817.31800	15.20296

GHG Emissions - Reports the kilograms (kg) of equivalent carbon dioxide (CO 2) units of GHG emissions attributed to the energy purchased and consumed for each operation type reported. The GHG emission factors are based on Environment Canada’s National Inventory.

Energy Intensity - reports the equivalent kilowatt hours per square foot (ekWh/sq.ft) of each operation type reported. The Energy Intensity is calculated based on all of the energy purchased and consumed for each operation type reported relative to floor area.

Information Compiled during January – April 2018 by: Cindy Pigeau
 Information Reviewed and Final Report Prepared during April 2018 by: Lynda Kovacs
 Reviewed by Council on this 24th day of April, 2018


 Mayor


 Clerk-Treasurer