

CORPORATION OF THE MUNICIPALITY OF CALVIN

**2014 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 – 2019 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 **2014** 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	7004.81	3072.8		No	8937.03697	12.85368
Calvin Garage	2583.30	48	8661.23		13973.2	No	22190.83504	41.38140
Calvin Community Centre/Office	3752.30	40	21608.05	2718.5		No	9077.99268	13.567

GHG Emissions - Reports the kilograms (kg) of equivalent carbon dioxide (CO₂) 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.

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Reviewed by Council