

**CORPORATION OF THE MUNICIPALITY OF CALVIN
2013 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 therefore presents its figures for the 2013 energy reporting year as follows:

<u>Location</u>	Total Floor Area (sq.ft)	Avg # of Hours /W k	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	5235.29	3707.90		No	10539.6298	14.47964
Calvin Garage	2583.30	48	10673.14		16112.80	No	25640.8537	47.98323
Calvin Community Centre/Office	3752.30	40	22690.54	3731.20		No	11930.1674	16.76427

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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