

# M'Chigeeng Community Energy Audit On Housing and Infrastructure Buildings

## Client

**M'Chigeeng First Nation**

Referral Contact:

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## Location:

**Village of M'Chigeeng,  
Manitoulin island**

## 3G Energy Team:

Graham Findlay, P Eng  
Brian Barr, LL.B

## Project Dates:

2014-2017

## PROJECT DESCRIPTION

M'Chigeeng First Nation (MFN) desired to review its inventory of buildings from an energy perspective with the intent some day of building sufficient renewable energy generation capacity to be electrically self-sufficient as a community.



In 2014 Ontario offered a \$90k grant to assist First nations in community energy audits. 3G organized a successful application on behalf of MFN and then arranged the services of an energy audit company to: 1/ train three band members in the process of energy auditing for commercial and residential buildings, and 2/ organize the Band energy auditor technicians to undertake energy audits on the Band's 400 residential and 10 infrastructure buildings.

3G organized community engagement on the project, including several Open House events plus newsletters to explain the purpose and provide updates to Band members resident in the village.

The result was a positive experience in terms of capacity building and a strategic awareness of the future of the currently inventory of buildings. Band leadership received important advice on the aggregate capital requirements and timelines that need to be planned for over the next 2-3 generations to accomplish a full replacement of the Band's housing inventory.

## Scope of Work:

- ◆ FIT Applications advice
- ◆ Economic Feasibility Study
- ◆ Investment Advice to Band Council
- ◆ LLP Partnership advice
- ◆ Oversight on SPN deployment activities
- ◆ Oversight on new partnership creation with Grasshopper Solar
- ◆ Advice to MFN on a Grasshopper Solar financing, \$100+ million.

