



ALDERVILLE SOLAR INC.

Solar Farm Team

Alderville Solar Farm has been in operation since October 2013 currently consisting of 3 employees and including a security team of 7 from Alderville during August 2012-Feb 2016.

Currently:

- ▣ Finance – Katie Holmes
- ▣ O & M – Syd Marsden and Brandon Gibson

The Solar Farm is made up of 3 different entities:
Alderville Solar Limited Partnership, Alderville
First Nation (owns 99.99% of the partnership)
and Alderville Solar Inc. (owns 0.01% of the
partnership).



The Old Barn





October 2010-March 2011

A partnership between Alderville First Nation and Fleming College was brought in to introduce green technology training overseen by Howard Elliott with experience of various solar projects around the world including the Soviet Union, Saudi Arabia and in Canada's Arctic whom instructed the students through intensively 5 weeks at the Alderville Learning Centre.

A total number of 18 students from Alderville and community members from the surrounding were acceptance and completed the program, it was much more than a technician's course, students learned about entrepreneurship, health and safety, computer operations, and business soft services.

The college provided the instruction related skills to ensure that when the program would be completed and all students were ready.



March 2011



September 2012



December 2012



June 2013



July 2013



August 2013



Build Finish August 23, 2013



September 25, 2013



Security Team

- ▣ The role of our security team was to prevent and detect signs of intrusion over time of the construction process. Each night there are 2 security members on site for a 12 hour shift and 1 during the day on weekends. Their duties included monitoring cameras, completing a foot patrol of the property perimeter every hour, contacting Northwind Solutions in the event if problems occur (such as power outages) and complete a daily sign in log and incident report.

Operations & Maintenance

Supervisor: Syd Marsden



Assistant :Brandon Gibson



Vegetation Control



Landscaping Post Construction



BEFORE

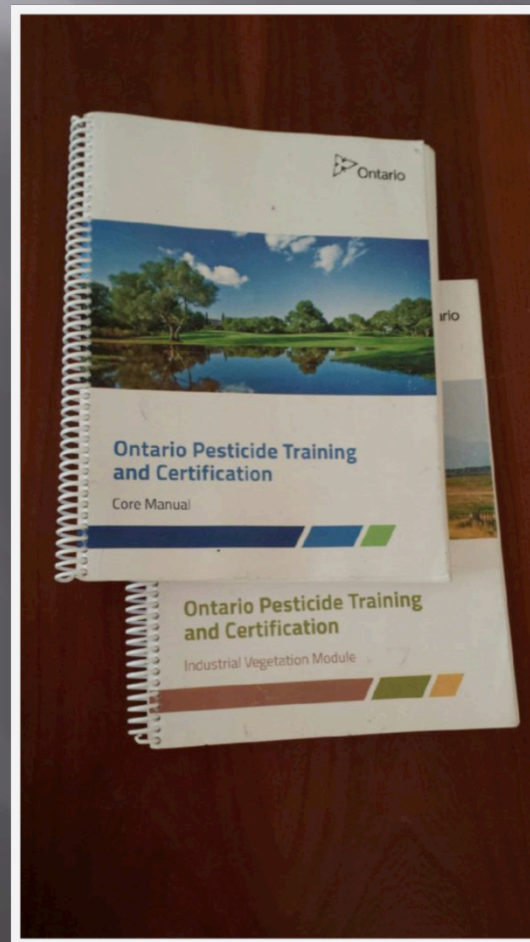


AFTER



Ontario Pesticide Training and Certification

- Encouraging native species suitable to the site through vegetation control and seeding



Ecological Restoration of the Entire Site

Suitable low growing shade tolerant plant species under the solar panels



A meadow mix of sun loving native species between the rows of panels and in more open areas of the solar farm



Annual Maintenance Check

List includes items such as:

TOUCH - UP RUSTED HARDWARE



CHECKING TORQUE
SPECIFICATIONS ON RACKING
COMPONENTS



Grading the Roads



Winter Maintenance

Snow removal from solar modules





Maintaining Access Year Round



The Responsibilities of Northwind Solutions

- Daily monitoring via Draker system by an Operations Engineer/ Technical Analyst,
- Provide AFN with monthly Field service and Performance reports,
- Dispatch technician to address system alerts, site trip, planned maintenance etc.



Inside Main Sub Station



Inside Inverter Houses



Solar Board of Directors

MOVING FORWARD

The Solar Board of Directors will be assisting with decisions on the flow of funds, including what will be done with the revenue funds from the Solar Farm.

AFN has advertised in the community postings, for band members to join the Board of Directors (on-reserve; off-reserve; Elder; Youth; etc.)

Solar Board of Directors Roles and Responsibilities of Directors:

Establish vision, mission and values

Determine company policies and bi-laws

Set strategy and structure

Directors are responsible for the affairs and books of the ASLP, and are in a position of trust.



MIIGWETCH