



**Township of Chatsworth  
Keady Community Centre**

# Agenda

- ❖ Sky Solar Canada
- ❖ How Solar Works
- ❖ Benefits of Solar
- ❖ Green Energy Act and Feed-In Tariff Program
- ❖ Overview of the Renewable Energy Approval Process
- ❖ Proposed Project – Keady Community Centre
- ❖ Project Contacts



# Sky Solar Canada

## ❖ Seven years of solar experience working in Ontario:

- Planning,
- Development,
- Financing,
- Construction, and
- Maintenance.

## ❖ Global independent power producer that develops, owns and operates solar parks around the world:

- Established solar parks in Asia, South America, Europe, North America and Africa.
- Developed and completed 200 solar parks with a total capacity of more than 181 MW in Japan, Greece, Bulgaria, the Czech Republic, Spain, USA/Puerto Rico, Canada and Germany, as of October 2014.
- Own and operate more than 53 MW of solar parks in Japan, Greece, Canada, the Czech Republic, Bulgaria and Spain.
- More than 1.3 GW of solar projects under development in countries such as Chile, Uruguay, Japan, Canada and South Africa.

## ❖ We are technology neutral and can customize our solar parks with any technology based on local environmental and regulatory requirements.

## ❖ Access to a variety of financing sources and have a demonstrated ability to design cost-effective project funding solutions.



# How Solar Works

## How Solar Works



1

The sun bathes the earth with enough energy in one hour to satisfy the entire world's energy needs for a year!



2

Solar panels capture the sunlight and create Direct Current (DC) electricity.



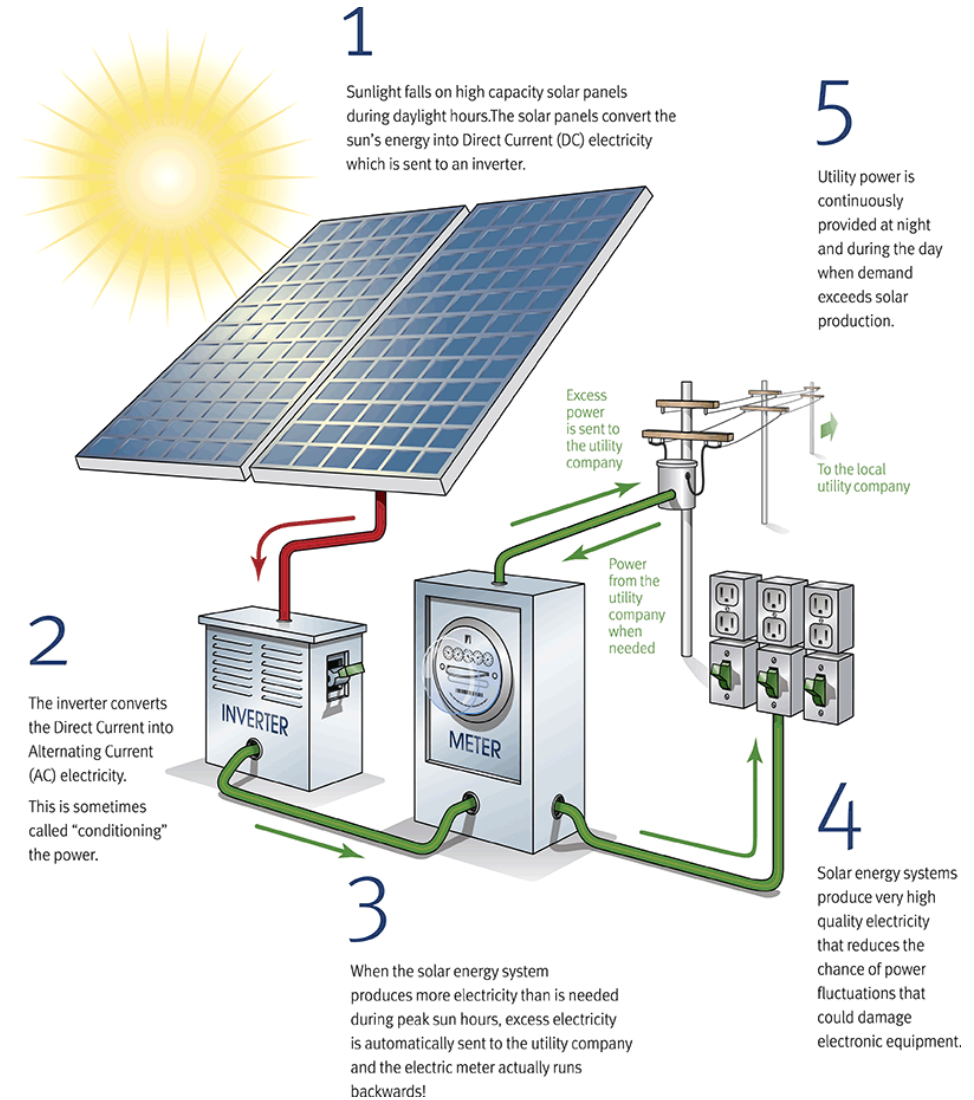
3

A solar inverter takes the DC electricity and converts it to Alternating Current (AC), which can be used to power a building.



4

The AC power is directed from the inverter into the building's electrical panel. The utility tracks the net energy produced with the utility electric meter.



# Benefits of Solar

- ❖ **Clean** – emits no greenhouse gases, air pollutants or harmful chemicals
- ❖ **Renewable** – energy from the sun never runs out
- ❖ **Low-impact** – quiet, reliable and passive
- ❖ **Recyclable** – panels can be broken down and recycled at end-of-use
- ❖ **Makes a Difference** – 1 kilowatt of power generated by solar panels replaces 150 pounds of coal from being mined
- ❖ **Generated** – locally and distributed into the existing local grid



# Green Energy Act and Feed-In Tariff

## Green Energy Act

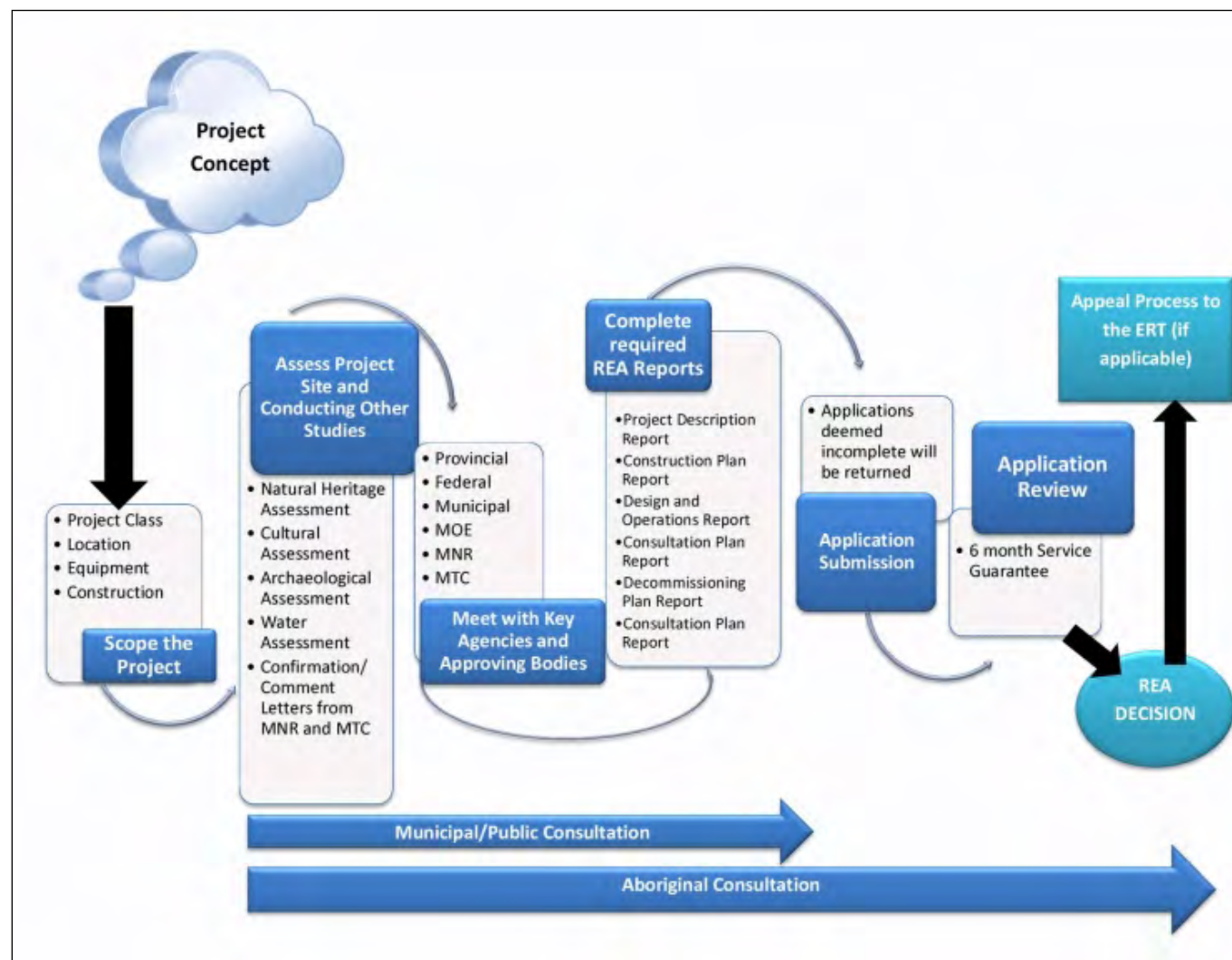
- ❖ Passed by the Province of Ontario in 2009.
- ❖ It was created to expand renewable energy generation, encourage energy conservation and promote the creation of clean energy jobs.

## Feed-In Tariff (FIT) Program

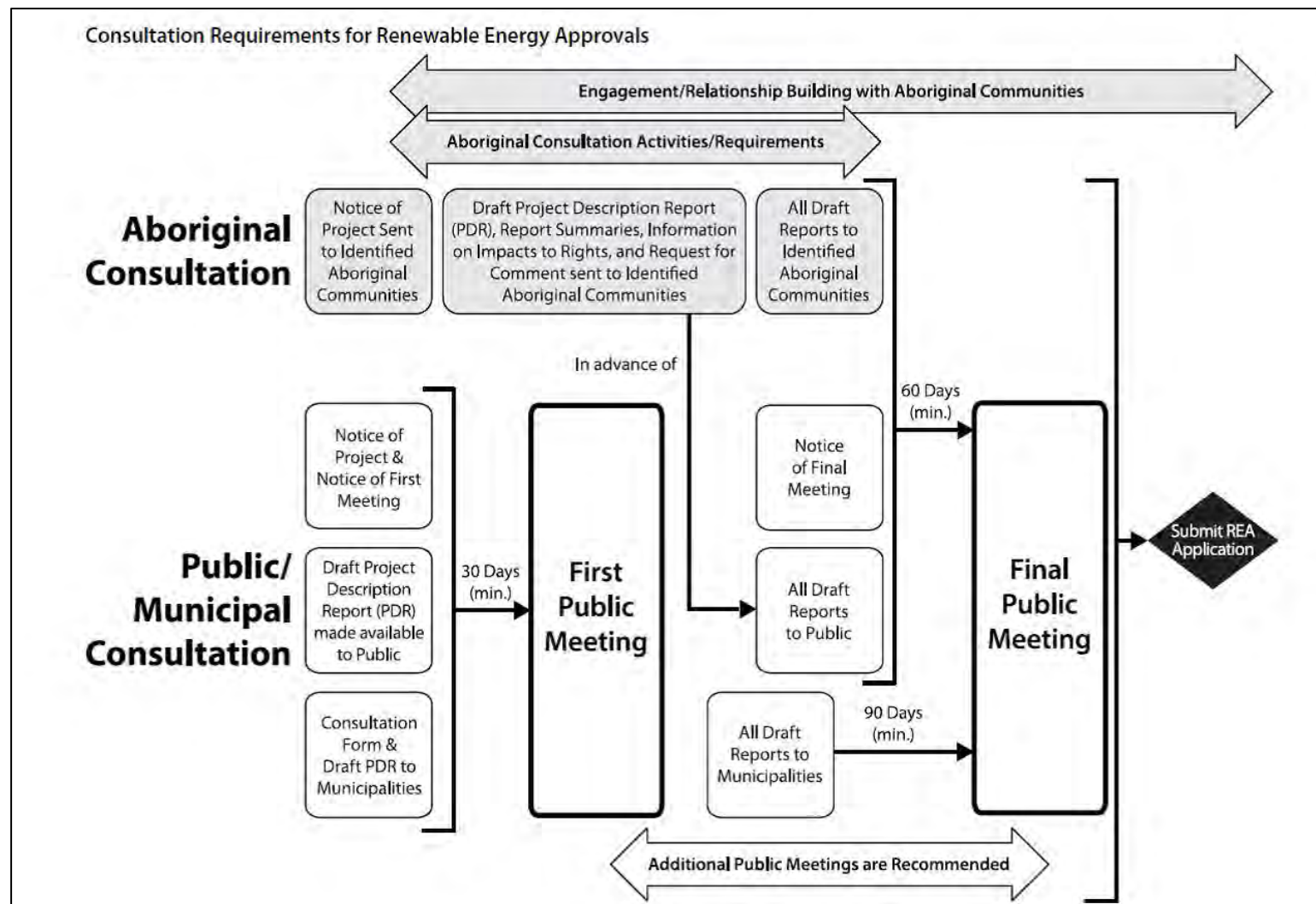
- ❖ Launched in 2009 to encourage the development of renewable energy technology, attract investment and create new clean energy jobs in Ontario.
- ❖ Is available for renewable energy projects greater than 10 kilowatts and generally up to 500 kilowatts. It is open to all types of generators, including developers, co-operatives, municipalities and Aboriginal communities.
- ❖ It is a contract between renewable energy developers and the Independent Electricity System Operator (IESO).
- ❖ In FIT 4, the IESO offered 936 new renewable energy contracts (241.43 MW):
  - 907 solar photovoltaic projects;
  - 9 waterpower projects;
  - 6 on-shore wind projects; and
  - 14 bioenergy projects.
- ❖ FIT 5 application window opens October 31, 2016.



# Renewable Energy Approval Process



# Consultation Requirements





# Proposed Project – Keady Community Centre

- ❖ Proposal to install solar panels on the roof of the arena
- ❖ Arena located at 116931 Grey Road #3, RR#4, Tara, ON
- ❖ Potential to install 250 kW AC, 298.8 kW DC



# Proposed Project – Keady Community Centre



# Project Contacts

**Allan Aucoin**

M: 416-526-8282

E: [allan.aucoin@skysolargroup.com](mailto:allan.aucoin@skysolargroup.com)

**Grace Pasceri**

M: 437-333-9459

E: [grace.pasceri@skysolargroup.com](mailto:grace.pasceri@skysolargroup.com)

**[www.SkyOneLRP.com](http://www.SkyOneLRP.com)**