

**LENNOX SOLAR PROJECT  
PUBLIC COMMUNITY MEETING  
SUMMARY REPORT**

**Submitted to:**

**ONTARIO POWER GENERATION INC.**

**700 University Avenue**

**Toronto, Ontario**

**M5G 1X6**

**Prepared by:**

**SENES Consultants**

**now ARCADIS CANADA INC.,**

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**L4B 3N4**

**June 2015**

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## **1.0 Introduction**

Public Community Meetings were held to meet the requirements of the Renewable Energy Approval (REA) process and the Large Renewable Procurement (LRP I) process for the proposed Lennox Solar project. These meetings are an effective method of providing Project information to the public while simultaneously collecting input, feedback and information from neighbours, stakeholders and collaborating with the public in a live face-to-face setting.

The first Public Community Meeting was held for the proposed Lennox Solar Project with the following objectives:

- to introduce the proposed Solar Project and the proponent;
- to introduce the community to the REA and LRP I processes and how they relate to the proposed Solar Project;
- to provide stakeholders and the local community with an opportunity to have meaningful input on the proposed Project and allow Ontario Power Generation (OPG) to address public concerns where possible and feasible.

## 2.0 Overview of First Public Community Meeting

The First Public Community Meeting for the proposed Lennox Solar Project was held at the South Fredericksburgh Hall located at 2478 County Road 8 in Napanee, Ontario on Wednesday June 10, 2015 from 3:30 pm to 8:00 pm.

The public was given notification of the meeting via distribution of the “Notice to Engage in a Project and Public Community Meeting” in accordance with the REA, a minimum of 30 days prior to the meeting, as well as via the LRP I Prescribed Form – “Notice of Public Community Meeting”, a minimum of 15 days prior to the meeting, using the following methods:

- Advertised in local newspapers once a week, for two weeks:
  - Public Notice in accordance with the REA published in the **Napanee Beaver**:
    - Round 1 – Thursday April 30
    - Round 2 – Thursday May 7
  - Public Notice in accordance with the LRP I published in the **Kingston Whig-Standard**:
    - Round 1 – Monday May 4
    - Round 2 – Monday May 11
- Posted on the [www.lennoxsolar.com](http://www.lennoxsolar.com) project website:
  - Public Notice in accordance with the REA posted on April 28
  - Public Notice in accordance with the LRP I posted on May 9
- Both notices sent to stakeholders via courier:
  - week of May 11
- Both notices sent to stakeholders via e-mail:
  - May 13

A copy of both public notices is provided in Appendix A.

The meeting was held in a “trade fair” format with Project Team members on hand to meet with the attendees, hear concerns and issues and address questions where appropriate. Eight (8) OPG employees were present in addition to one member of the SENES (ARCADIS) consultant team, for a total of nine (9) Project Team members. Fourteen (14) informational poster boards were on display which introduced the Project, and provided an overview of OPG, the proposed Project, the REA process, LRP process, site considerations information, project timeline and schedule. Project Team members were available to address any comments, questions, or inquiries. A copy of the display panels was posted to the project website after the meeting, and is also located in Appendix B.

Copies of informational materials were made available for public viewing at the meeting, such as a project fact sheet, notices of public community meeting, and copies of OPG literature

including the Community and Aboriginal Engagement Plans for the proposed Lennox Solar Project and the Project Description Report required for the Renewable Energy Approval. These materials are also available on the Project website.

Ten (10) members of the public attended the public community meeting and all attendees registered by signing the sign-in sheet upon entering the meeting. All attendees were provided with a comment sheet, and were asked to provide any comments, concerns, or questions to OPG via this mechanism as well as speaking to team members. There was an option to submit the sheet personally at the public meeting or to send the sheet at a later date via e-mail ([info@lennoxsolar.com](mailto:info@lennoxsolar.com)), fax, or regular mail. The comment sheet was made available on the project website following the meeting. A copy of the comment sheet is located in Appendix C.

OPG has noted and recorded all questions, comments, and concerns received at the meeting, and following the meeting via the comment form. Table 1 below provides an overview of general comments and questions.

OPG is committed to building an open and transparent relationship with the local community and is intent on consultation and communication with the public from the early project stages, throughout the course of the LRP and REA processes, and beyond, should OPG be successful in the LRP bid.

OPG appreciates and encourages public input and welcomes questions and feedback.

**Table 1. Summary of Comments and Questions Received**

Issue	Comments and Questions Received
Aesthetics	Suggestion supporting the use of landscaping (small trees) along County Road 21 to soften the visual impact of the solar development.
Connection	There is no connection availability at the Lennox site. What do you plan to do about this?
Construction	Concern that construction will be noisy, dirty, and disruptive.
	Concern that construction will disrupt and destroy existing wildlife in the area.
Decommissioning	Concern regarding decommissioning and ensuring all existing infrastructure is removed at the end of the project.
Employment Opportunities	Will OPG be directly hiring the construction labour from local unions?
	Which trade will be employed to install the solar panels?
Environmental Effects	Will the solar technology impact the Great Blue Heron nest / rookery located on the proposed project site?
	Ensure preservation of the bald eagle that has been sighted in the area.
	Concern about clearing of green spaces and forested area, and the effect of the clearing on local wildlife (i.e., birds).

*Lennox Solar Project Public Community Meeting Summary Report*

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Issue	Comments and Questions Received
Lennox GS Plant and Future Use	The flashing lights at Lennox GS are irritating at night.
	The Lennox GS takes up more space for generation than we had been initially led to believe.
	The property is an asset to the community the way it currently stands. No further development is needed.
Miscellaneous	There are enough solar and wind projects in the area and we don't need any more.
	Dislike the land use for solar and wind projects in the area.
	OPG is a good neighbour as you are consulting with the community at the early stages of this project.
	Expression of a preference for hydro power over solar power in the area, if possible.
	Concern for the loss of the rural landscape due to this solar project and the handful of other projects that have been developed in the area.
OPG Lennox GS Lands / Lennox Solar Project Lands	For the land that is zoned for industrial use, the solar project will remove land that could be used for other industrial purposes.
Project Location	Concern with the location of the solar project on both sides of the highway, as this is the main route to the parkway.
Solar Power / Solar Panels	Preference for solar power over other types of electrical generation projects in the area.
	No particular concern with OPG building a solar project in the area.
Traffic	Concern with overall traffic in the area, particularly on Highway 33 (Loyalist Parkway).
	I would like OPG to use the CN Railway line and OPG's spur line for transporting materials to the site during construction as this would decrease the burden on municipal roads.
Use of Farmland	Is the land for the solar project zoned for agricultural use?
	Lennox is a good site for a solar project as it is industrially zoned land, next to the Lennox GS, and avoids using up prime agricultural land.

**APPENDIX A**  
**Public Notices**

## NOTICE OF A PROPOSAL

by Ontario Power Generation Inc. ("OPG") or an associated Special Purpose Entity (referred to as OPG or the "Proponent") to Engage in a Renewable Energy Project  
and

## NOTICE OF PUBLIC COMMUNITY MEETING

To be held by OPG regarding a Proposal to Engage in a Renewable Energy Project

### Project Name: Lennox Solar

**Project Location:** the Project involves the design, construction and operation of up to 40 MW Solar Energy Project at the existing OPG Lennox Generating Station (GS) site, in the Town of Greater Napanee, County of Lennox and Addington. The Lennox GS is located on Lake Ontario adjacent to the corner of Loyalist Parkway (Hwy 33) and Hwy 21.

### Dated at Town of Greater Napanee this 30<sup>th</sup> of April 2015

Ontario Power Generation Inc. (OPG) is concurrently applying to obtain a Renewable Energy Approval (REA) and a contract under the IESO's Large Renewable Procurement (LRP) I Request for Proposal. OPG is planning to engage in a renewable energy project in respect of which the issuance of a Renewable Energy Approval is required. The distribution of this notice of a proposal to engage in the renewable energy project and the Project itself are subject to the provisions of the *Environmental Protection Act (EPA)* Part V.0.1 and Ontario Regulation 359/09 (Regulation). This notice must be distributed in accordance with section 15 of the Regulation prior to an application being submitted and assessed for completeness by the Ministry of the Environment and Climate Change.

Under the Renewable Energy Approval, a key component of the approval process is public consultation. The purpose of this Notice is to invite your participation in the approvals and the consultation process.

### Meeting Location:

#### Public Community Meeting #1:

**Date: Wednesday June 10, 2015**

**Time: 3:30 p.m. to 8:00 p.m.**

**Place: South Fredericksburgh Hall 2478 County Road 8, Napanee, ON K7R 3K7**

### Project Description:

Pursuant to the Act and Regulation, this is a Class 3 Solar Facility. If approved, this facility would have a total maximum name plate capacity of 40 MW. The project location is described in the map on the right.

### Documents for Public Inspection:

The Project is being proposed in accordance with the requirements of the Act and Regulation. The Draft Project Description Report titled *Draft Project Description Report Ontario Power Generation Lennox Solar* describes the facility as a ground mounted solar photovoltaic (PV) panel facility with the cumulative capacity to generate up to 40 MW power. A written copy of the Draft Project Description Report is being made available for public inspection at the public community meeting and will also be made available at [www.lennoxsolar.com](http://www.lennoxsolar.com).

### The Process:

The Renewable Energy Approval process includes public, aboriginal, municipal and review agency consultation, assessment of the potential effects of the proposed project and identification of measures to mitigate any potential adverse effects. Public input is encouraged throughout the Renewable Energy Approval process. Input will be facilitated through two rounds of public community meetings and the Project website. The first public community meeting is being held, as noted above, to provide a general overview of the Project and the Renewable Energy Approval process, and to seek public input. We invite the public to attend the meeting so that we can answer your questions and receive your feedback.

### Project Contacts and Information:

To learn more about the Project, public community meetings, or to communicate concerns please contact:

**Name:** Svetlana Helc

**Title:** Project Manager, Corporate Business Development

**Address:** 700 University Avenue H18 E22 Toronto, ON M5G 1X6

**Telephone:** (416) 592-6658

**Fax:** (416) 592-3489

**Name:** Gillian MacLeod

**Title:** Senior Environmental Advisor

**Address:** 700 University Avenue H18 D16 Toronto, ON M5G 1X6

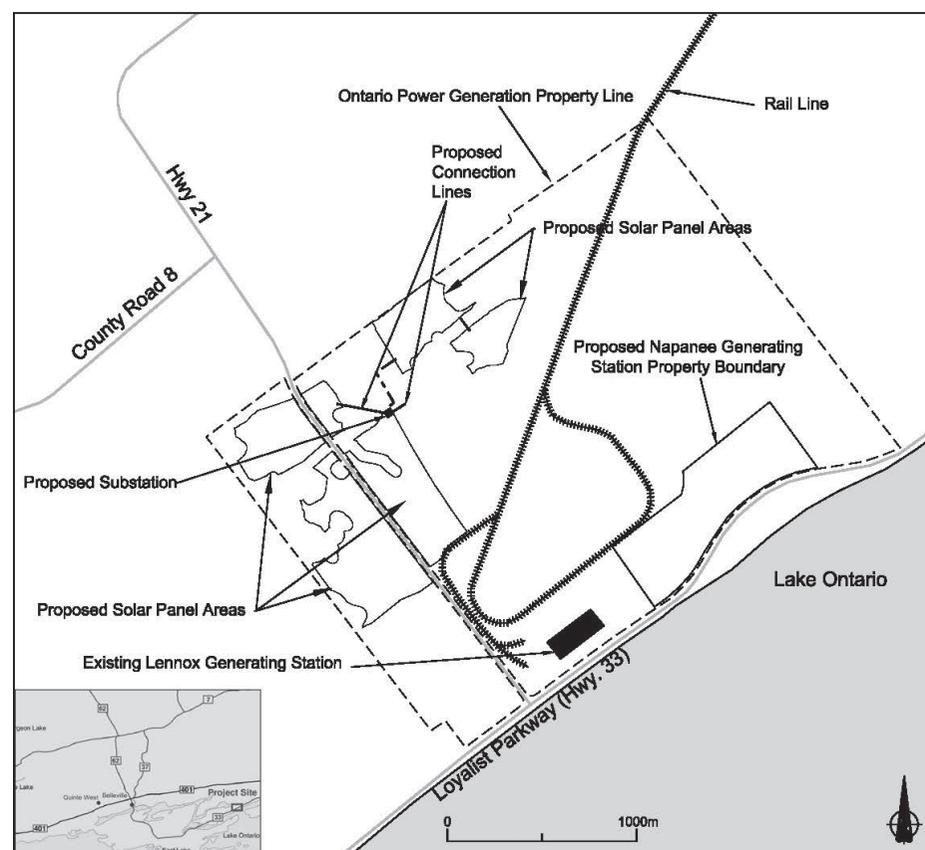
**Telephone:** (416) 592-3481

**Fax:** (416) 592-3489

**Project Email:** [info@lennoxsolar.com](mailto:info@lennoxsolar.com)

**Project Website:** [www.lennoxsolar.com](http://www.lennoxsolar.com)

### Project Location:



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[opg.com](http://opg.com)

# Notice of Public Community Meeting For a Project Proposal Under the Large Renewable Procurement

The proponent identified below is proposing to submit a proposal to the Independent Electricity System Operator (IESO) to design, build, and operate a Large Renewable Project for the generation of electricity under the IESO's Large Renewable Procurement (LRP).

The LRP is a competitive process for procuring large renewable energy projects generally larger than 500 kilowatts. At the conclusion of the LRP, the IESO may award contracts for successful projects up to the specified procurement targets for each renewable fuel: 300 megawatts (MW) for wind, 140 MW for solar, 75 MW for waterpower, and 50 MW for bioenergy.

This notice is being distributed to notify members of the public of a public community meeting that has been scheduled to discuss the Large Renewable Project proposal. Information regarding the proponent, the Large Renewable Project proposal, and the meeting details are described below.

This public community meeting is being held as part of the early community engagement requirements of the LRP. The public community meeting will present details about the Large Renewable Project and its proposed connection line. Representatives of the proponent will be available to discuss the Large Renewable Project and the overall LRP process. Should this Large Renewable Project be awarded a contract, the Large Renewable Project would need to obtain all required permits and approvals and conduct any further required community engagement activities.

Further details regarding the LRP are available at [www.ieso.ca/lrp](http://www.ieso.ca/lrp).

## Proponent and the Large Renewable Project proposal

Proponent:	Ontario Power Generation Inc. ("OPG") or an associated Special Purpose Entity (referred to as OPG or the "Proponent")
Qualified Applicant from the LRP Request for Qualifications stage associated with the proponent:	Same as above
Name of the Large Renewable Project proposal:	Lennox Solar
Renewable fuel of the Large Renewable Project:	Groundmount Solar
Proposed capacity of the Large Renewable Project (MW):	40 MW
Proposed connection point of the Large Renewable Project:	On-site connection to existing overhead transmission lines leading from Hydro One operated switchyard at Lennox Generating Station (GS). Connection across Hwy 21 will be either above ground or underground.

## Proposed location of the Large Renewable Project and proposed connection line

Located on the existing OPG Lennox GS site, in the Town of Greater Napanee, County of Lennox and Addington, on Lake Ontario adjacent to the corner of Loyalist Parkway (Hwy 33) and Hwy 21.

## Public community meeting information

South Fredericksburgh Hall  
2478 County Road 8, Napanee, ON K7R 3K7

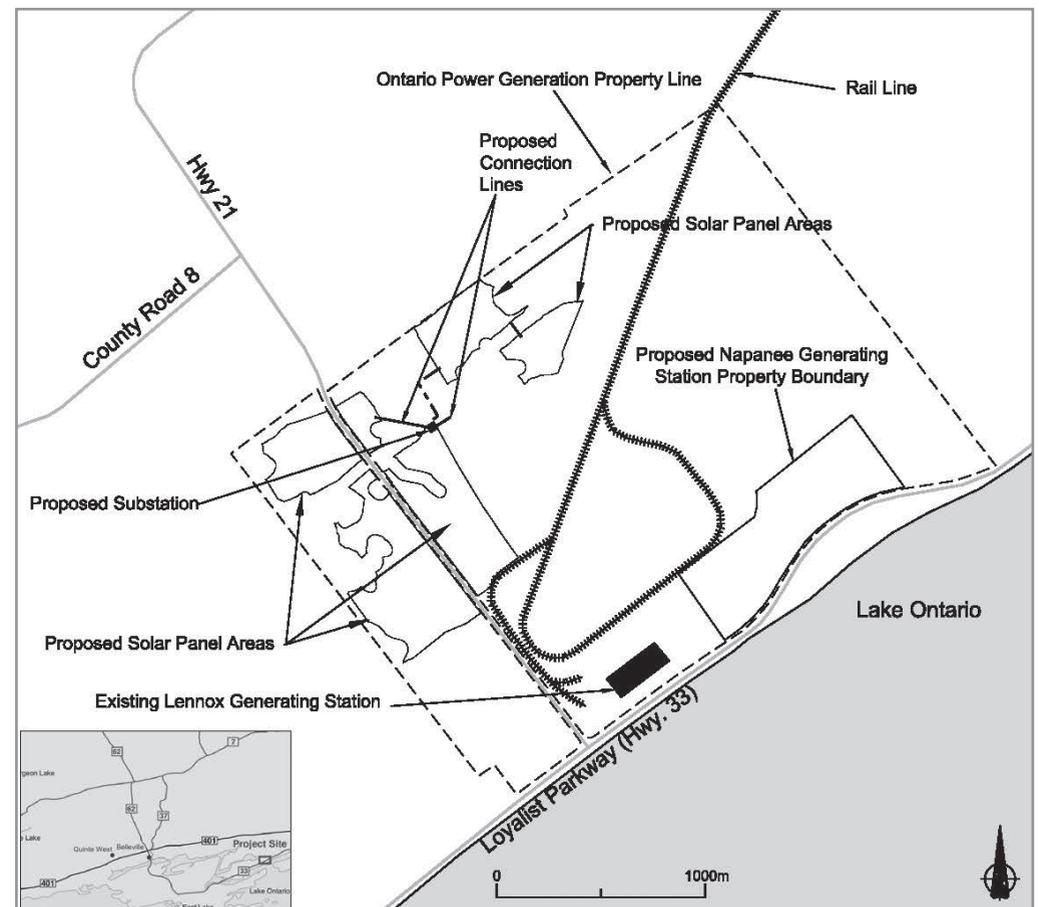
Wednesday June 10, 2015

3:30 p.m. to 8:00 p.m.

## Contact information for the proponent

Svetlana Helc	Gillian MacLeod
Project Manager, Corporate Business Development	Senior Environmental Advisor
(416) 592-6658	(416) 592-3481
700 University Avenue H18 E22 Toronto, ON M5G 1X6	700 University Avenue H18 D16 Toronto, ON M5G 1X6
Project E-mail: <a href="mailto:info@lennoxsolar.com">info@lennoxsolar.com</a>	
Project Website: <a href="http://www.lennoxsolar.com">www.lennoxsolar.com</a>	

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**APPENDIX B**

**Display Panels for Lennox Solar Project First Public Community Meeting**



# Lennox Solar Project

Welcome to our First Public Community Meeting

June 2015

**ONTARIO** **POWER**  
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# Meeting Objectives

- To introduce the community to the proposed Solar Project, and the related processes that are taking place
  - Large Renewable Procurement (LRP I)
  - Renewable Energy Approval (REA)
- To provide the community with the opportunity to share with OPG their interests, concerns, input, questions, ideas with respect to the Solar Project

*Public consultation will occur throughout both concurrent processes*



# About OPG

## OPG was created in 1999 from the assets of Ontario Hydro

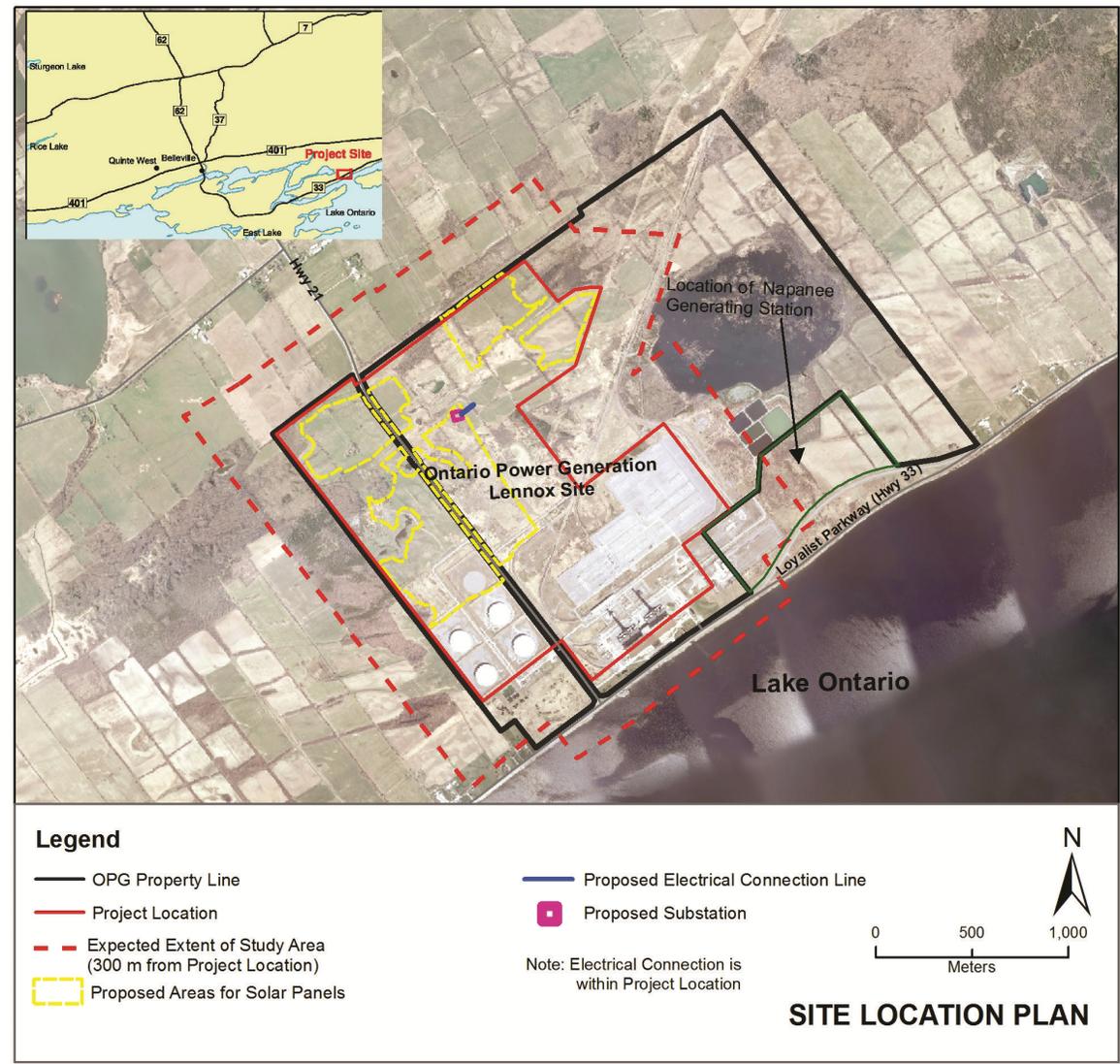


- OPG's generating portfolio has a total capacity of over 16,000 megawatts (MW)
  - 2 Nuclear Stations
  - 3 Thermal Stations
  - 65 Hydroelectric Stations
- OPG is allowed to participate in the Large Renewable Procurement (LRP)
- Solar projects are one of the best short to medium term growth opportunities for OPG:
  - OPG's market share has been shrinking (coal closure)
  - Limited demand for new generation in the Province
  - New revenue stream (from Green Energy)
- Allows OPG to leverage and utilize existing sites
- OPG is bidding this project as part of the Independent Electricity System Operator (IESO) LRP I



# Site Location Plan

- OPG is proposing to design, build and operate up to a 40 MW Solar Energy Project in the Town of Greater Napanee
- To be located within six areas of the existing Lennox GS site





# Large Renewable Procurement (LRP)

- Solar generation in Ontario will grow from 2% of installed capacity in 2013 to 8% in 2025.
- The Ministry of Energy has directed the IESO to develop a Large Renewable Procurement (LRP) program for projects over 500 kW in which OPG can participate.

<b>LTEP - Renewable Energy Competitive Procurement Targets (Ministry of Energy, 2013)</b>				
	<b>Wind</b>	<b>Solar</b>	<b>Bioenergy</b>	<b>Hydroelectric</b>
<b>LRP I (2014-2015)</b>	300 MW	140 MW	50 MW	75 MW
<b>LRP II (2015-2016)</b>	300 MW	140 MW	50 MW	45 MW
<b>LRP III (2016)</b>	TBD	TBD	TBD	TBD

TBD based on capacity re-allocated from projects not procured or developed through previous procurements.

- The Solar procurement process is highly competitive with 32 applicants qualifying to submit proposals into the LRP.
- Multi-faceted evaluation criteria
- The LRP timeline:
  - Proposals submitted to IESO in September 2015
  - Decision on what projects proceed expected December 2015



# Site Considerations Information

The following table outlines where site considerations information required by the LRP process can be found on the maps:

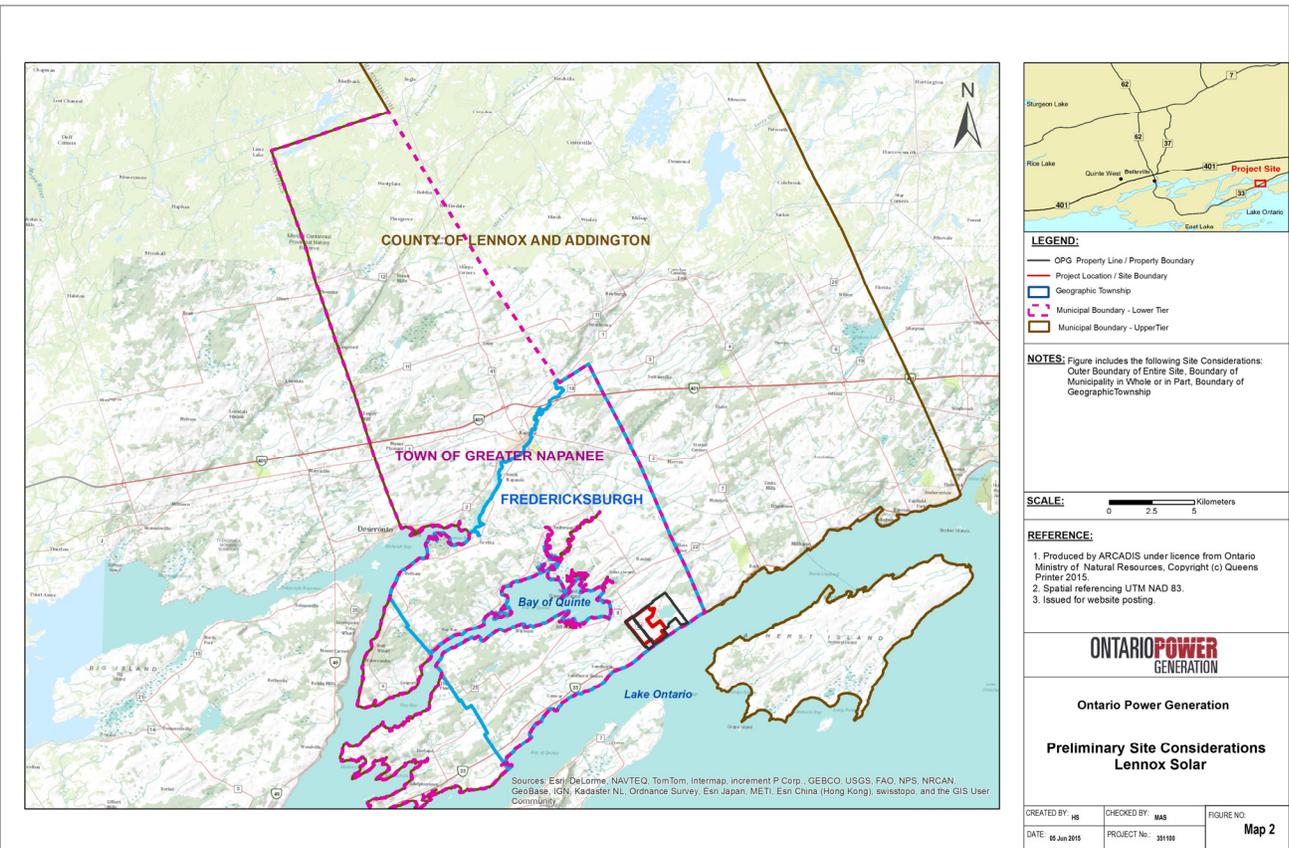
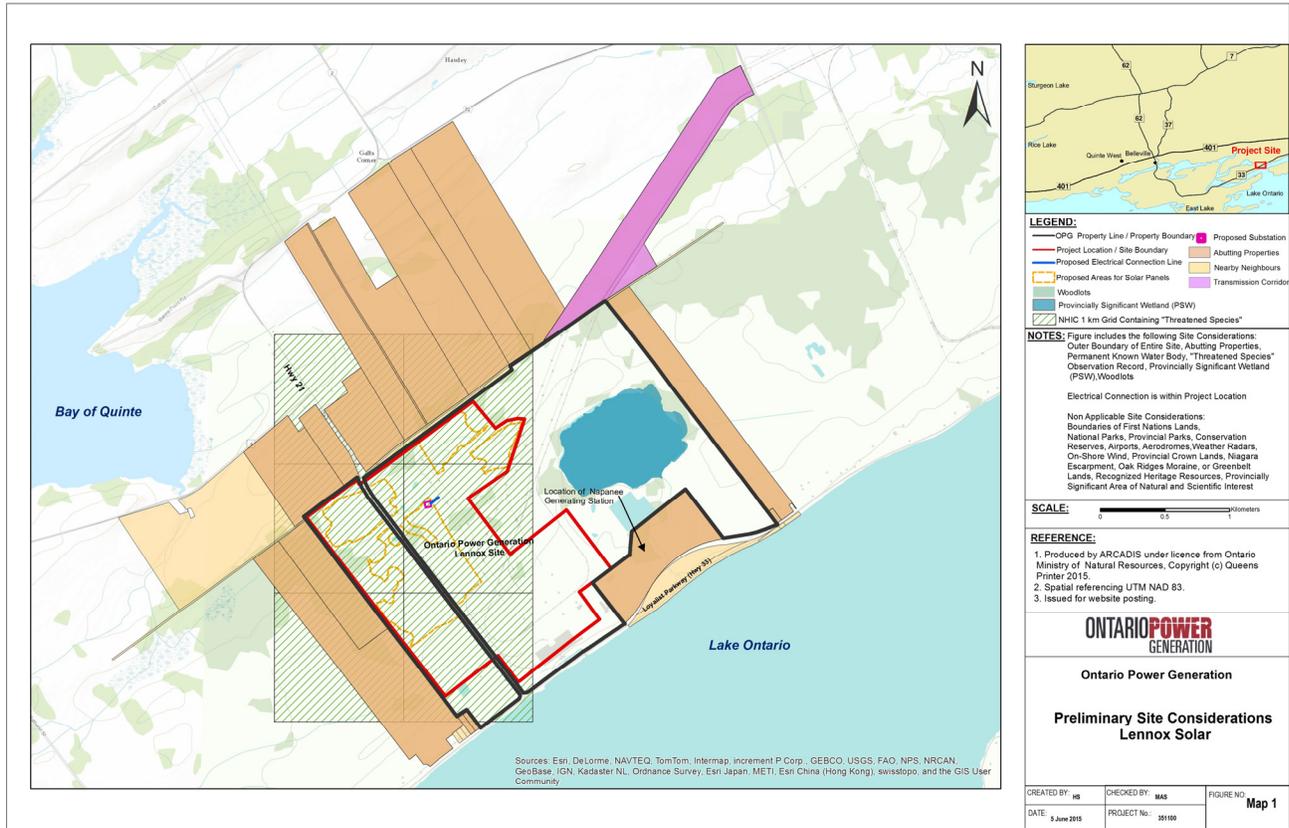
Site Considerations Information	Map Location
Site location and extent of property	See Map 1
Proposed Connection Lines and Points	See Map 4
Proposed location of Key features of the project	See Map 5
Municipal boundaries	See Map 2
Boundaries of First Nations Land on which site or connection line is to be located	The project and proposed connection line does not affect boundaries of First Nations Land
Boundaries of geographic township in which project is located	See Map 2
Highways (as defined by Highway Traffic Act) within 5 km of the project site	See Map 3
Railways within 5 km of project site	See Map3
National park, provincial park, and or conservation reserves located within 120 metres of site or proposed connection line	None of these features are located within 120 m of the site or proposed connection line
Any airports, aerodromes and weather radar within 5km of the site or the proposed connection line.	None of these features are located within 5 km of the site or proposed connection line
Property boundaries for each site on which project and proposed connection line are situated and all properties abutting these properties	See Map 1
Any permanent known water body located within 120 m of the site and proposed connection line	See Map 1
If project is to utilize on-shore wind	Not applicable
If project is to be located on crown lands	Not applicable
If project and proposed connection line is to be located within <ul style="list-style-type: none"> <li>• a Natural Heritage Information Centre 1km grid square which contains endangered or threatened species observations</li> <li>• within 120 m of a provincially significant area of natural and scientific interest</li> <li>• within 120 m of a known provincially significant wetland</li> <li>• within or abutting an area designated in the plan approved under the Niagara Escarpment Planning and Development Act, the Oak Ridges Moraine Conservation Act, the Green belt Act and the Lake Simcoe watershed</li> <li>• or abutting a recognized heritage resource</li> </ul>	See Map 1

Note: Information for Site Considerations Mapping is from the following electronic sources:

- World Topographic Map hosted by ESRI, including boundaries, cities, water features, physiographic features, parks, landmarks, transportation, and buildings.
- Land Information Ontario open database, as provided by the Ontario Ministry of Natural Resources and Forestry.
- Geowarehouse – Title Search Ontario and Land Titles.
- Heritage Resource locations were provided by municipal, provincial and federal heritage planners with jurisdiction over the Project Property Boundaries. The Large Renewable Energy Project and proposed Connection line are not located within or Abutting a recognized heritage resource.

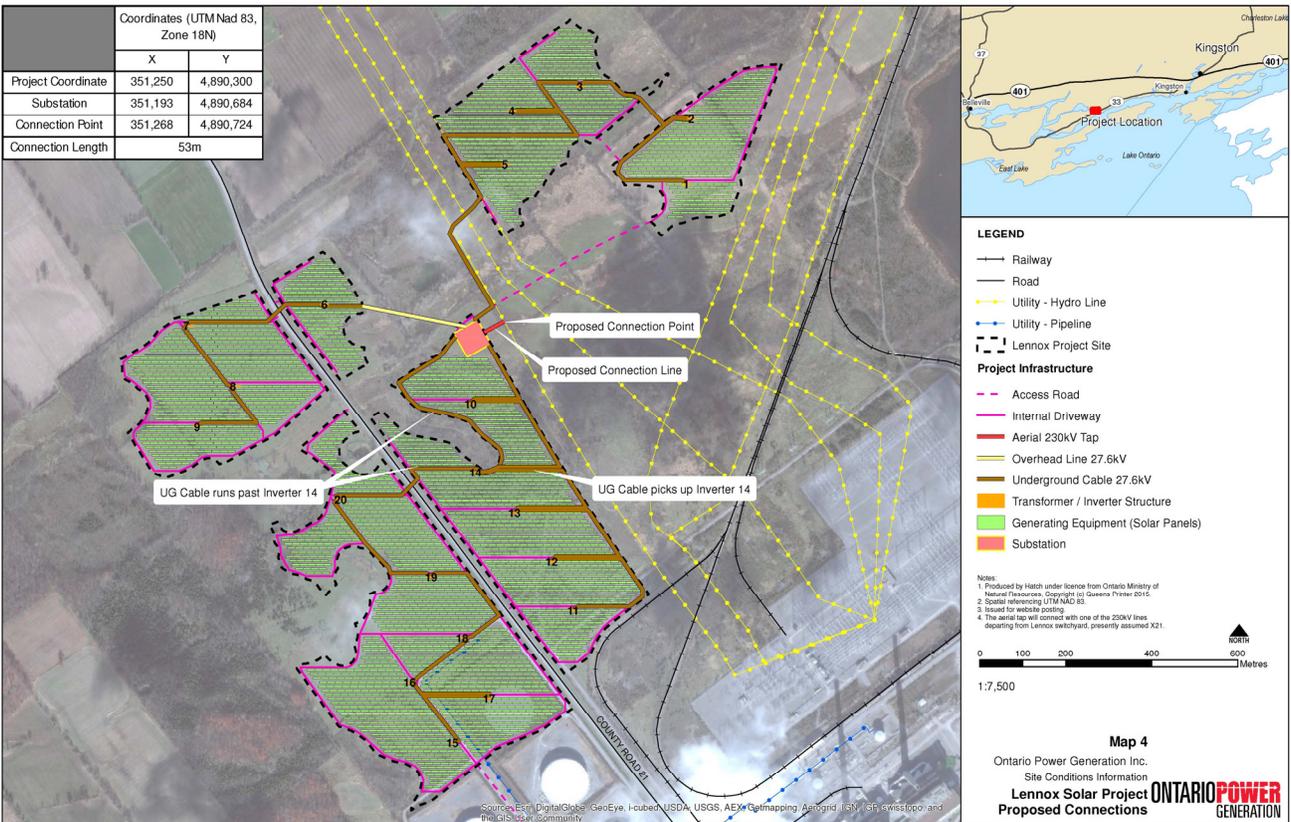
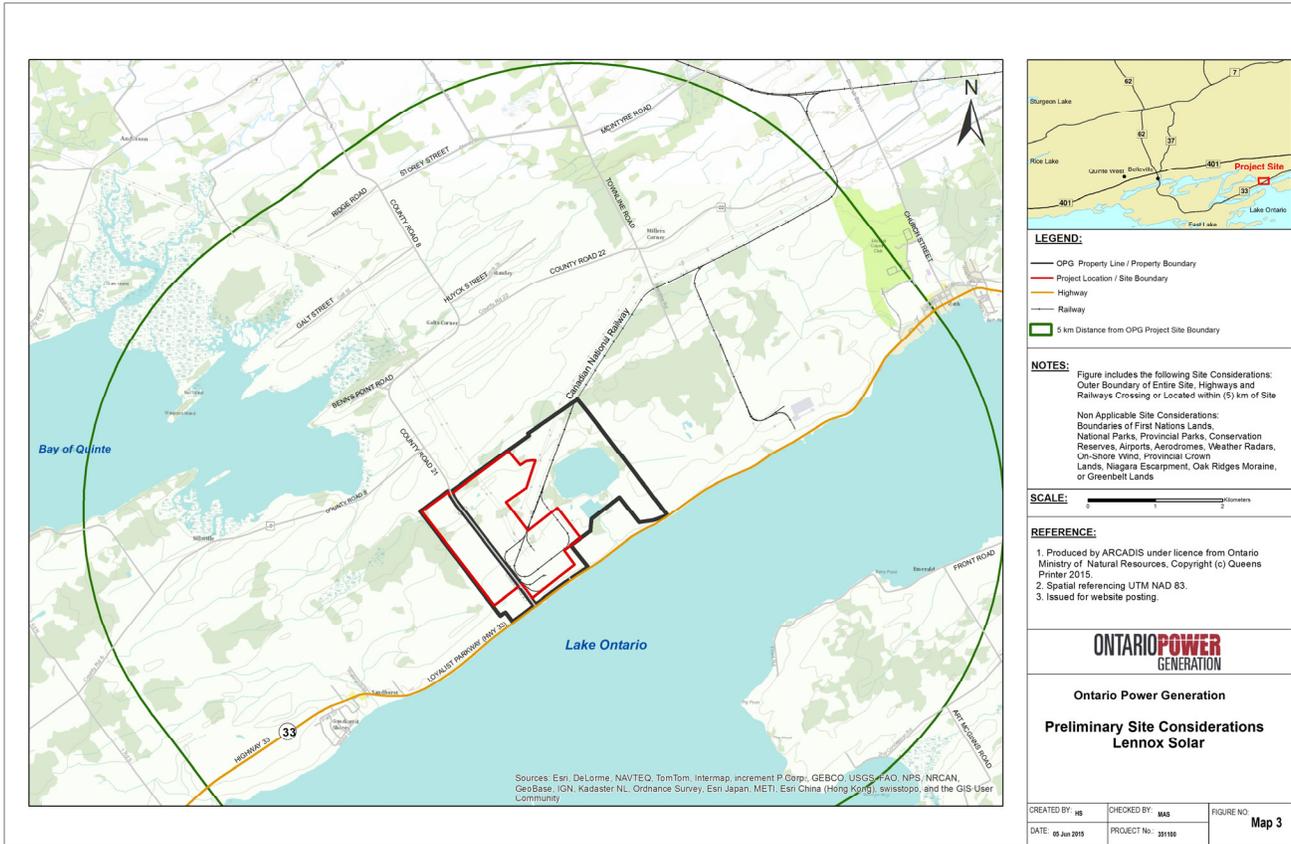


# Site Considerations Maps



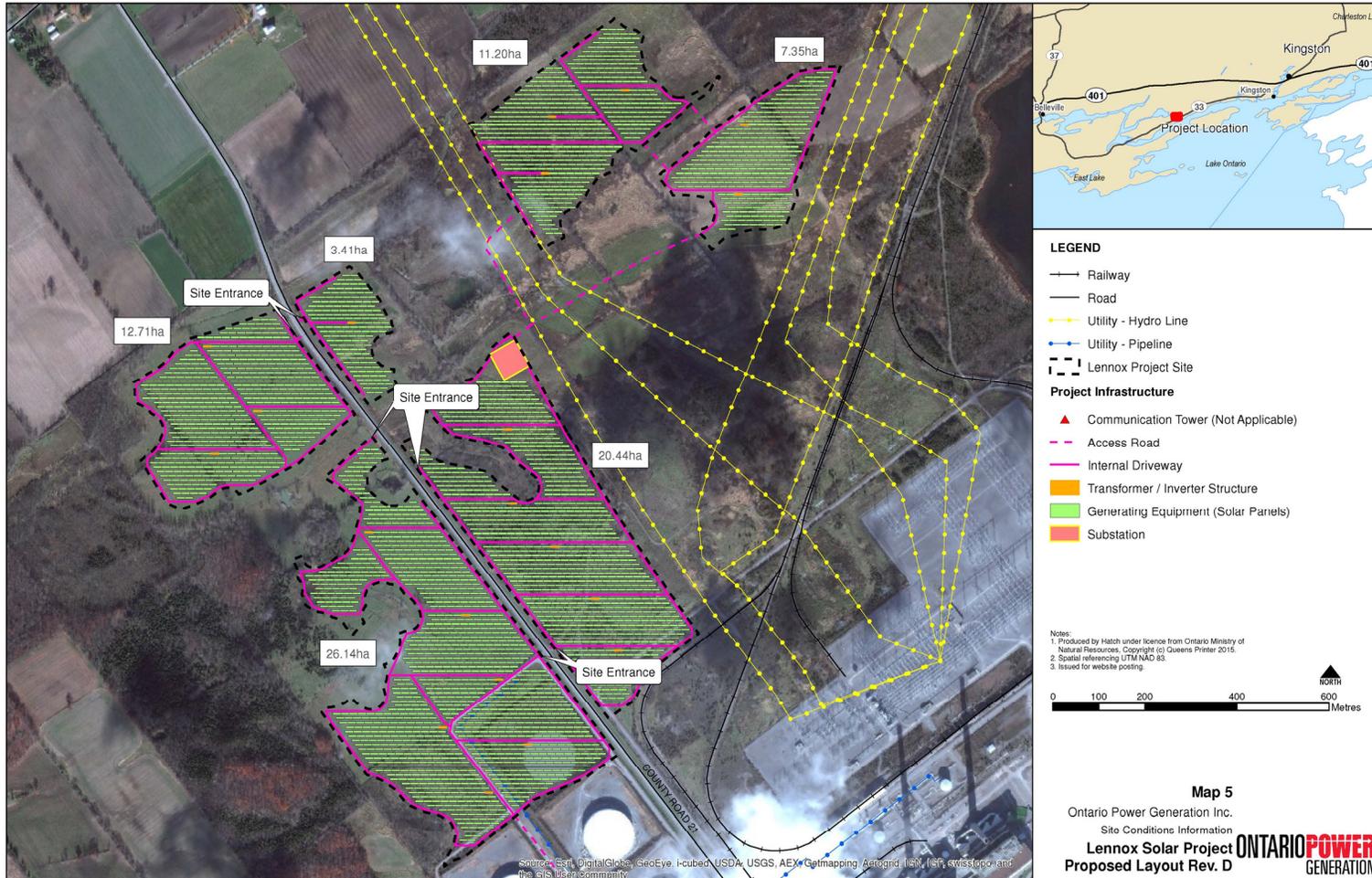


# Site Considerations Maps





# Site Considerations Maps





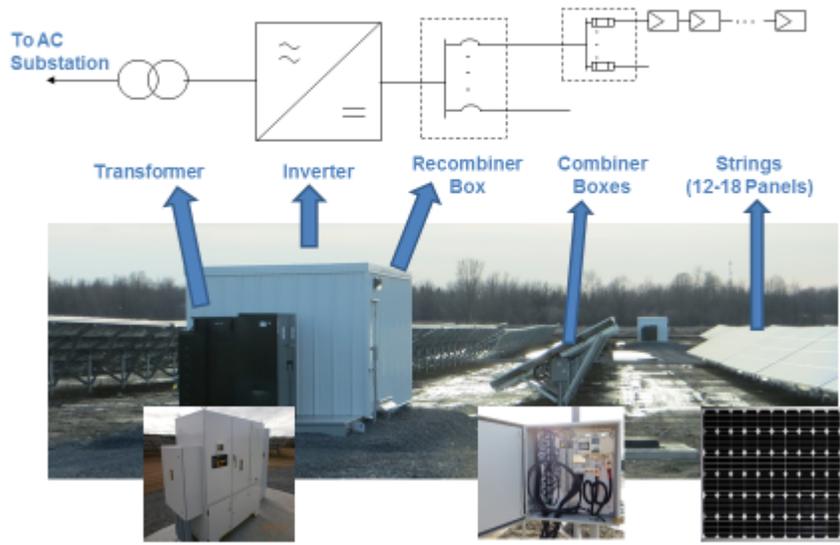
# Renewable Energy Approval (REA)

- O.Reg. 359/09 under the *Environmental Protection Act*
- Required approval from the Ministry of the Environment and Climate Change (MOECC)
- Proposed Solar Project classified as a Class 3 Solar Facility
- Recently completed Draft Project Description available for review
- Initiated preliminary environmental investigations underway within an area that extends 300 m from the expected extent of the Project Location
  - Natural Heritage
  - Surface Water
  - Species at Risk
  - Archaeology
  - Cultural Heritage
- A number of reports are prepared as part of the REA process. Some are available now and others will be issued throughout the process for public review and comments.

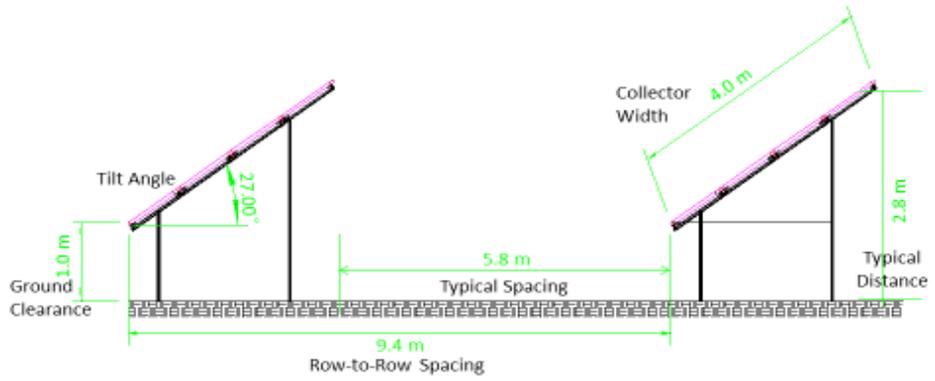


# Ground Mounted Solar Panels

## Solar Overview



## Typical Spacing & Pitch





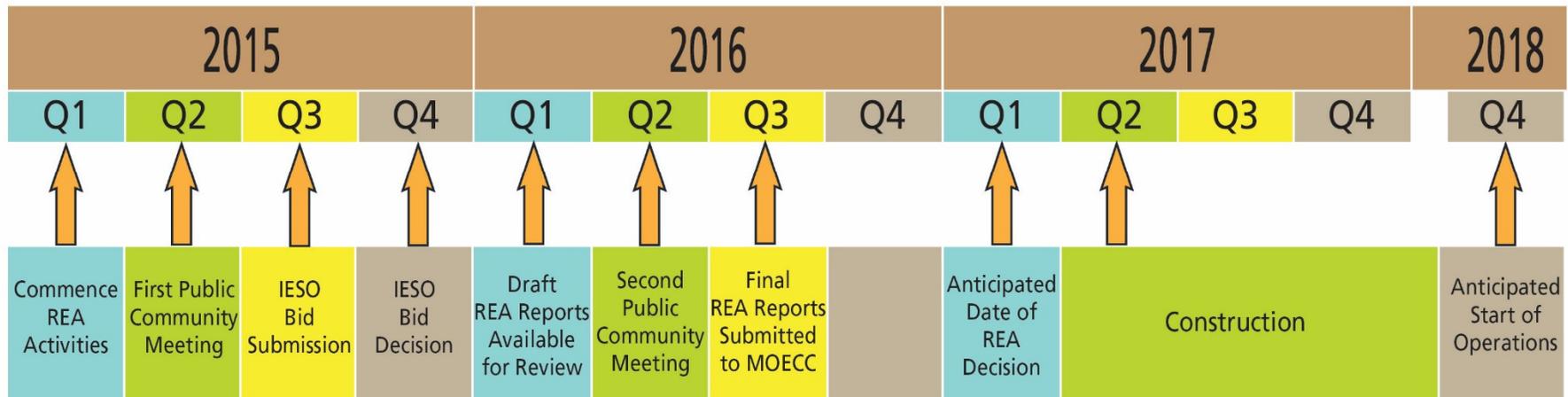
# Environmental Studies

As part of the REA process we are undertaking a number of environmental studies. In order to ensure we are studying and valuing features of importance to you please tell us:

- What aspects of the local environment and your community are most important to you?
- Do you have concerns about the location of the proposed solar project?
- Do you have concerns about the construction of the proposed solar project?
- Do you have concerns about the operation of the proposed solar project?



# PRELIMINARY PROJECT SCHEDULE



\* All dates are subject to change





# Community Engagement Activities

- Consultation with Aboriginal communities, public, municipalities and review agencies is an integral part of the LRP and REA processes and are on-going
- Aboriginal and Stakeholder Community Engagement Plans are posted on the Project Website
- Second Public Community Meeting, if OPG is successful in LRP bid process, likely Q2 2016 to present results of REA studies
- OPG appreciates and encourages public input and welcomes questions and feedback throughout the process
- Please fill in a comment sheet before you leave or send to us by June 27, 2015
- We will post a written meeting summary and summary of comments received and responses to the project website during the second week of July
- Project information available at [www.lennoxsolar.com](http://www.lennoxsolar.com)
- Project E-mail: [info@lennoxsolar.com](mailto:info@lennoxsolar.com)

**APPENDIX C**

**Comment Sheet for Lennox Solar Project First Public Community Meeting**

# **Proposed Lennox Solar Project – First Public Community Meeting**

June 10, 2015

3:30 p.m. to 8:00 p.m.

**South Fredericksburgh Hall, Napanee**

Please take a few minutes to complete this questionnaire and leave it in the “comments” box or with an OPG representative. OPG is interested in hearing your comments and questions regarding the proposed Lennox Solar Project.

**1. What aspects of the local environment and your community are most important to you?**

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**2. Do you have concerns about the location of the proposed solar project?**

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**3. Do you have concerns about the construction of the proposed solar project?**

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**4. Do you have concerns about the operation of the proposed solar project?**

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**5. Do you have any other comments you would like to share with members of the Project Team at this time?**

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If you would like Ontario Power Generation personnel to provide follow-up information or address questions, please leave your name and address below. ***Please print clearly.***

Name \_\_\_\_\_ Phone number \_\_\_\_\_

E-mail Address \_\_\_\_\_

Street address \_\_\_\_\_

City \_\_\_\_\_ Postal code \_\_\_\_\_

Please leave your completed form in the “comments” box or with an OPG representative. You may also send the form by fax, e-mail or mail to:

**Lennox Solar Project**  
Fax: (905) 764-9386  
E-mail: [info@lennoxsolar.com](mailto:info@lennoxsolar.com)  
Mail: 121 Granton Drive, Unit 12  
Richmond Hill, ON L4B 3N4

