

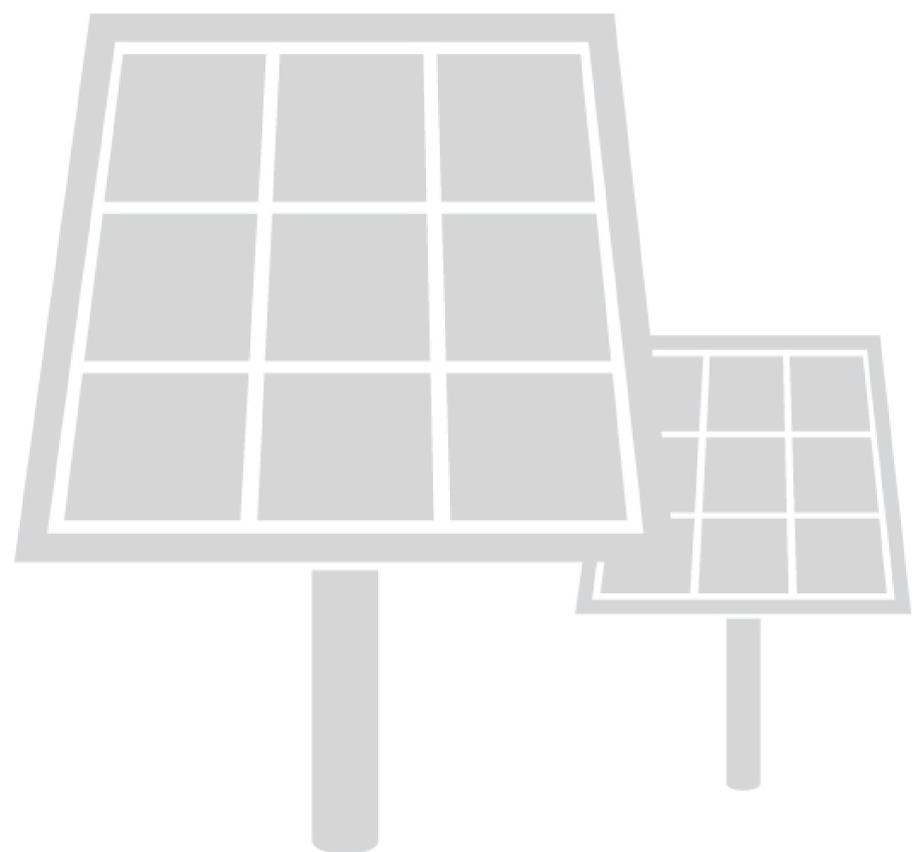
# Community Meeting

Please sign in at the front desk and provide your contact information if you would like to receive project updates.

We invite you to walk around and look at the displays.

If you have questions or comments, please ask one of our representatives.

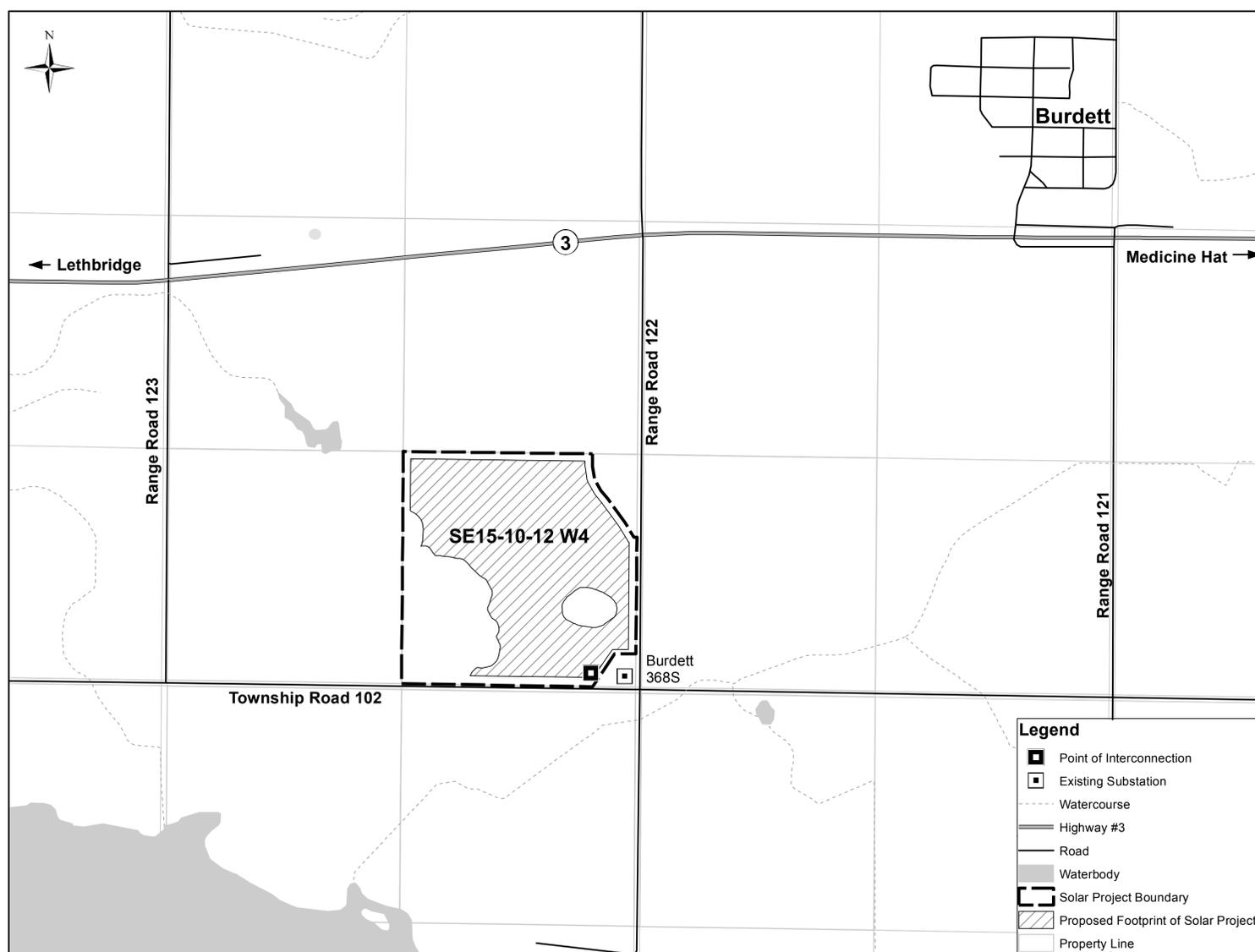
**Thank you for attending!**



## Project Description

- Up to 20 MW (AC) solar project – enough energy to power up to 3,300 average homes annually with clean renewable power
- Located in the County of Forty Mile occupying land within the quarter section SE-15-10-12-W4 on land near the intersection of Range Road 122 and Township Road 102
- Involves the installation of solar photovoltaic panels, panel racking systems, internal access roads, cabling, electrical inverters and other related electrical equipment
- The Project will connect to a local electrical distribution line from the Burdett 368S substation. This connection will be through overhead or underground cables and is expected to be in close proximity to the substation.
- The Project is being developed by SunEEarth Alberta Solar Development Inc., which is jointly owned by BluEarth Renewables Inc. and SunEdison Inc.\*

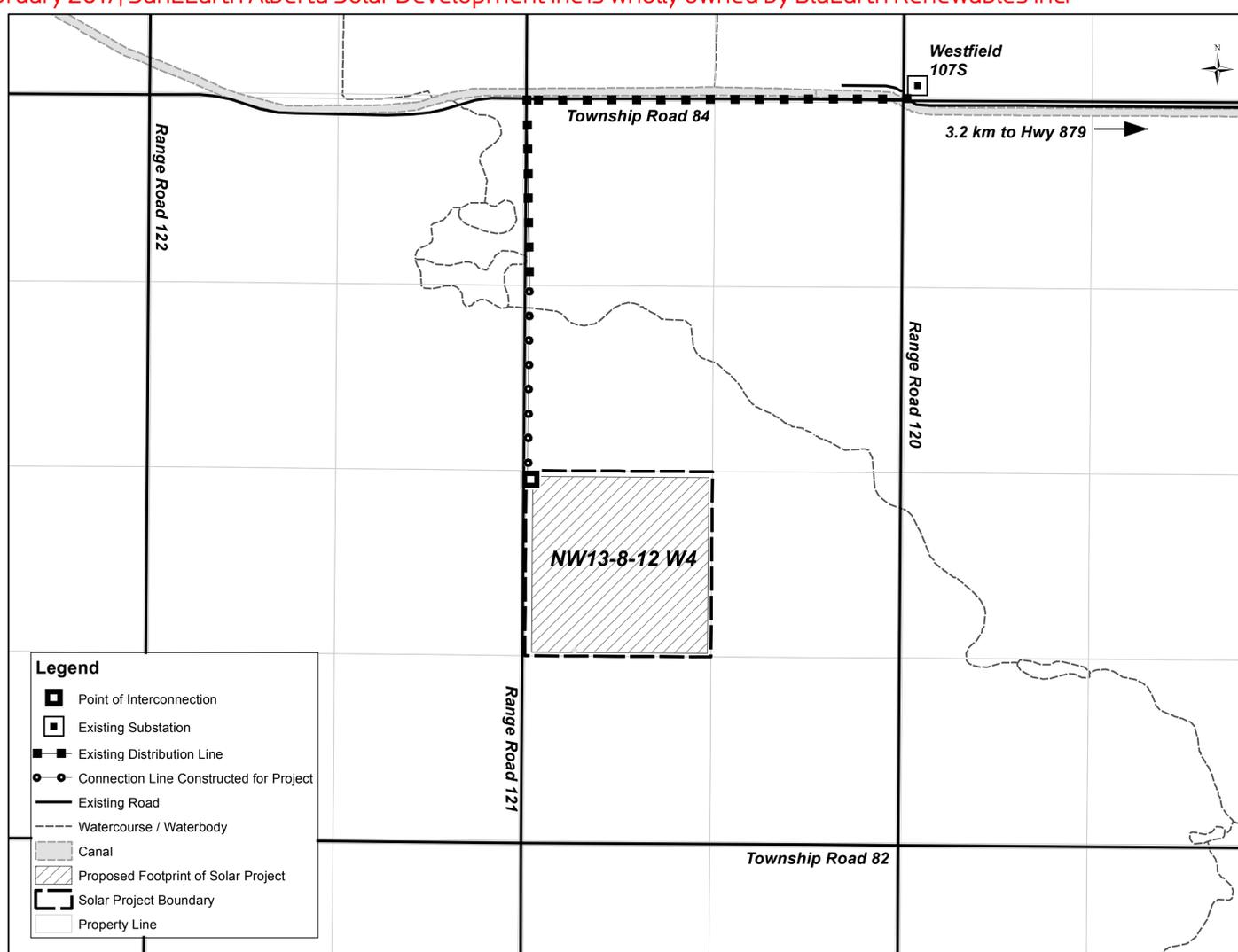
\*As of February 2017, SunEEarth Alberta Solar Development Inc is wholly owned by BluEarth Renewables Inc.



## Project Description

- Up to 19 MW (AC) solar project – enough energy to power up to 3,100 average homes annually with clean renewable power
- Located in the County of Forty Mile occupying land within the quarter section NW-13-8-12-W4 on Range Road 121, approximately 1.6 km south of Township Road 84 and 19 km south of Burdett
- Involves the installation of solar photovoltaic panels, panel racking systems, internal access roads, cabling, electrical inverters and other related electrical equipment
- The Project will require the construction of a connection line to deliver power to the electrical distribution system. The connection line will consist of overhead electrical cables installed on poles along Range Road 121 which will link to the existing distribution line also on Range Road 121. The length of the connection line is expected to be approximately 800 m.
- The Project is being developed by SunEEarth Alberta Solar Development Inc., which is jointly owned by BluEarth Renewables Inc. and SunEdison Inc.\*

\*As of February 2017, SunEEarth Alberta Solar Development Inc is wholly owned by BluEarth Renewables Inc.



# Community Benefits

- **Additional long-term tax revenue.** Over the course of both projects' life spans, they will provide ongoing contributions to the County's tax base without requiring municipal services such as water and wastewater services
- **Employment.** The jobs that are created during construction include: land surveying, road construction, set-up of electrical and communication networks, excavation, concrete and aggregates supply and installation, foundations, assembly of solar facility, construction of electrical connection and infrastructure, and material transportation. Both projects will also require permanent employees during operations
- **Boosting the local economy.** Construction site services, supplies, components and contractors will be sourced locally to the extent reasonably possible subject to meeting quality, quantity, and workmanship requirements. Some workers may also require accommodations and services while working on the project
- **Renewable energy.** Renewable energy provides clean, sustainable, zero-emission electricity and reduces the risk of climate change



*The Power to Change the Future.™*

## Why here?

There are several factors in choosing sites for solar projects. The Yellow Lake and Burdett Solar projects' sites were chosen for the following reasons:

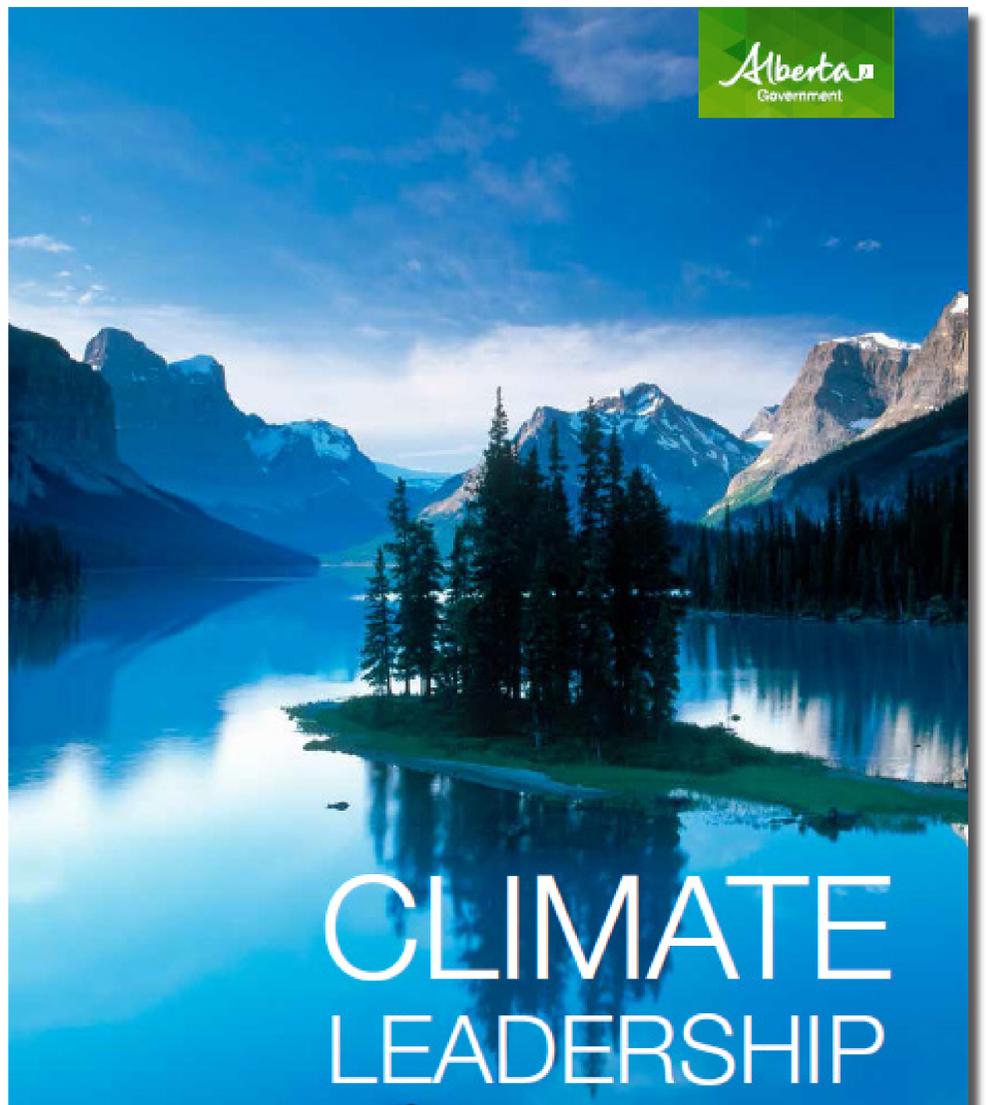
- A good solar resource
- Close to existing power line infrastructure with the capability of adding new capacity
- Compatible land use with County zoning amendment
- Relatively flat terrain
- A willing landowner



## Why now?

Electricity is the second largest source of emissions in Alberta, responsible for 17%, or 45 megatonnes of greenhouse gas emissions in 2013. Coal fired generation represents 85% of total emissions from the electricity sector. Alberta currently produces the most coal-fired electricity in Canada. In 2013, Alberta accounted for approximately 65% of all coal power production in the country.

The Alberta government is currently looking for opportunities to reduce emissions and we anticipate that over the coming months there will be opportunities to introduce projects such as the Burdett and Yellow Lake Solar projects into the provincial grid.



# What's next?

Public Meeting	November 24, 2015
Approval from Alberta Environment & Parks	December 2015
Submission of Rule 007 application to AUC	December 2015
AUC Approval of the Project	Summer/Fall 2016
Start of Project Construction	Spring 2017
Project is Operational	Winter 2017



Once approvals are received, the Project is expected to start construction in 2017.

# Your questions answered!

## How could the proposed project impact property values?

There is no evidence that solar facilities decrease property values of surrounding properties. Generally speaking, when new infrastructure projects are proposed, potential buyers may be hesitant until project construction is complete. However once completed, we don't anticipate the project will have any long-term negative impact for adjacent property values.

## How are visual concerns addressed?

Solar facilities do create a change to the visual landscape; however, the panel height is typically only about 10 feet from the ground. This makes them less noticeable from a distance than many other rural structures such as grain silos, barns, and pump jacks. BluEarth commits to meeting with individual residents to help understand their concerns and discuss how these can be addressed.

## Do solar facilities make noise?

At a distance of 10 m, typical sound produced by inverters of a solar facility is about 60dB. This is approximately equivalent to the amount of noise generated by large air conditioner, but as distance increases, noise becomes less and less audible. A noise impact assessment will be conducted in accordance with *Alberta Utilities Commission Rule 012 Noise Control* to ensure noise levels do not exceed acceptable limits.



# Permits and Approvals

## Alberta Environment and Parks (AEP)

- BluEarth has completed wetland and wildlife studies in accordance with guidance provided by AEP
- These studies are currently under review and must be approved prior to start of construction

## Alberta Culture and Tourism

- After reviewing applications for the project areas, a *Historic Resources Act* approval was granted

## Alberta Utilities Commission (AUC)

- Power Plant Applications will be filed under *AUC Rule 007* which will determine if the projects are in the public interest

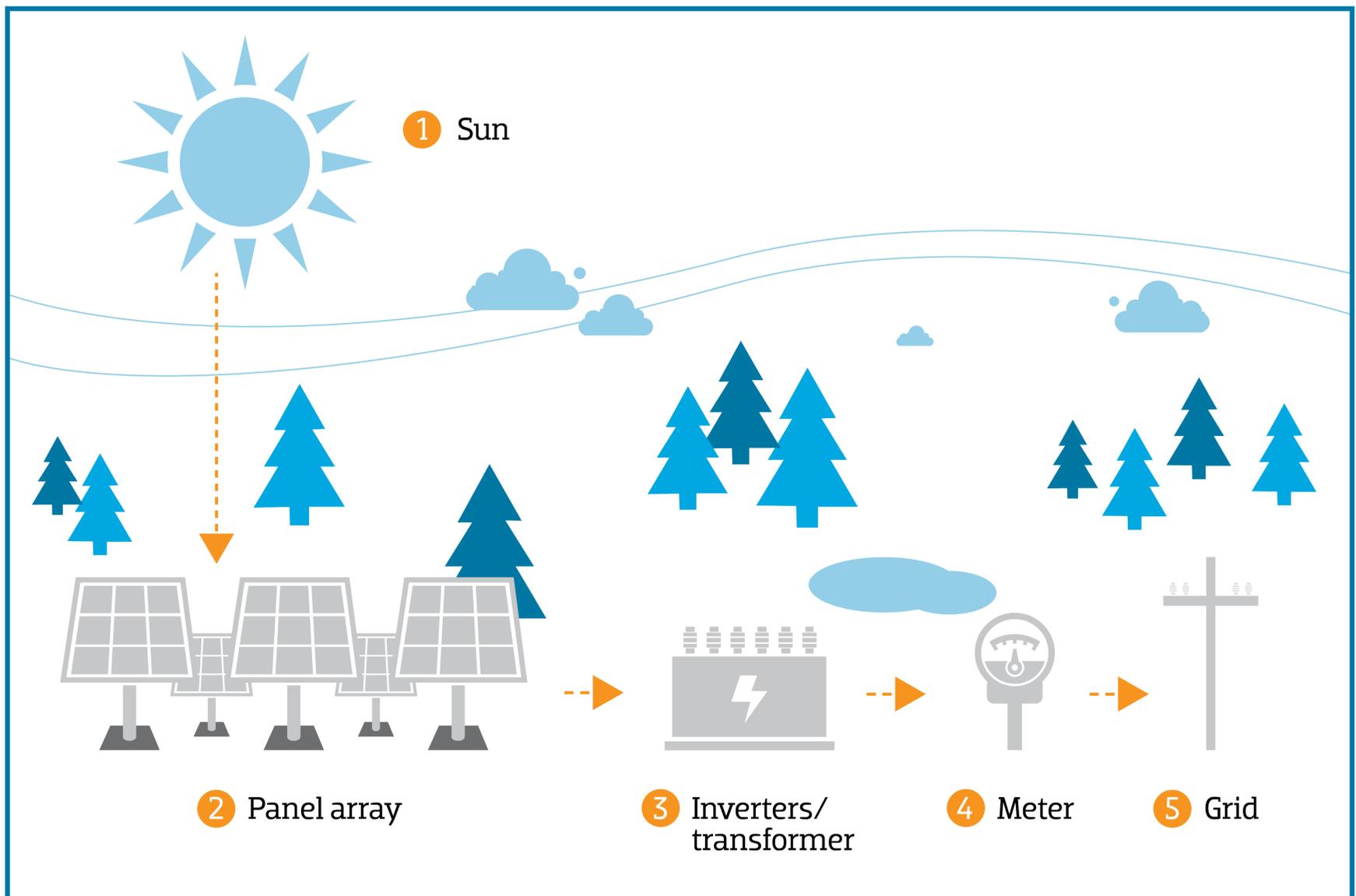
## County of Forty Mile

- County zoning approval as well as building permits and approvals will be applied for where applicable



Wetlands

# How does solar work?



1. The sun's rays hit the solar photovoltaic panels and free electrons in the panel's silicon.
2. The freed electrons create an electric field that results in an electrical current and the production of direct current (DC) electricity.
3. The electrical inverter converts the DC electricity to alternating current (AC) electricity that, after voltage step up in a transformer, is compatible with the local distribution grid.
4. The AC electricity is metered and monitored.
5. The electricity is distributed to the local grid for use in homes and offices.



BluEarth is a private company focused on commercial-scale renewable energy development. As an independent renewable power producer, our goal is to sustainably build, own, and operate wind, run-of-river hydroelectric, and solar generation projects. BluEarth currently has 97 MW of hydro and solar facilities in operation, and has another 44 MW of projects scheduled to go into operation in 2015. BluEarth also owns and interest eight hydroelectric facilities in northern Ontario through H2O Power Limited Partnership.

BluEarth strives for timely and meaningful consultation with all stakeholders and First Nation communities. As one of the most experienced renewable energy teams in Canada, we fully appreciate the importance of communication with those that live near our projects. BluEarth is committed to consulting with and involving stakeholders in the decision-making process for our proposed and existing facilities. We believe that trust is the foundation for long-term successful relationships, and we know that trust is only earned over time, by working together with honest and transparent communications.



BluEarth operates five solar facilities in Ontario and has five more in the development stage across Canada.

For more information, visit [bluearth.ca](http://bluearth.ca).



## Thank you for attending!

Please take the time to fill out a comment form and tell us what you think about the two proposed projects.

Comments must be received by **December 8, 2015** for consideration in our decision-making process and for inclusion in the application filed with the Alberta Utilities Commission.

If you would like to receive updates, please provide us with your name and contact information.

[www.bluearth.ca/burdett](http://www.bluearth.ca/burdett)  
[www.bluearth.ca/yellowlake](http://www.bluearth.ca/yellowlake)  
[projects@bluearth.ca](mailto:projects@bluearth.ca)  
1.844.214.2578

