

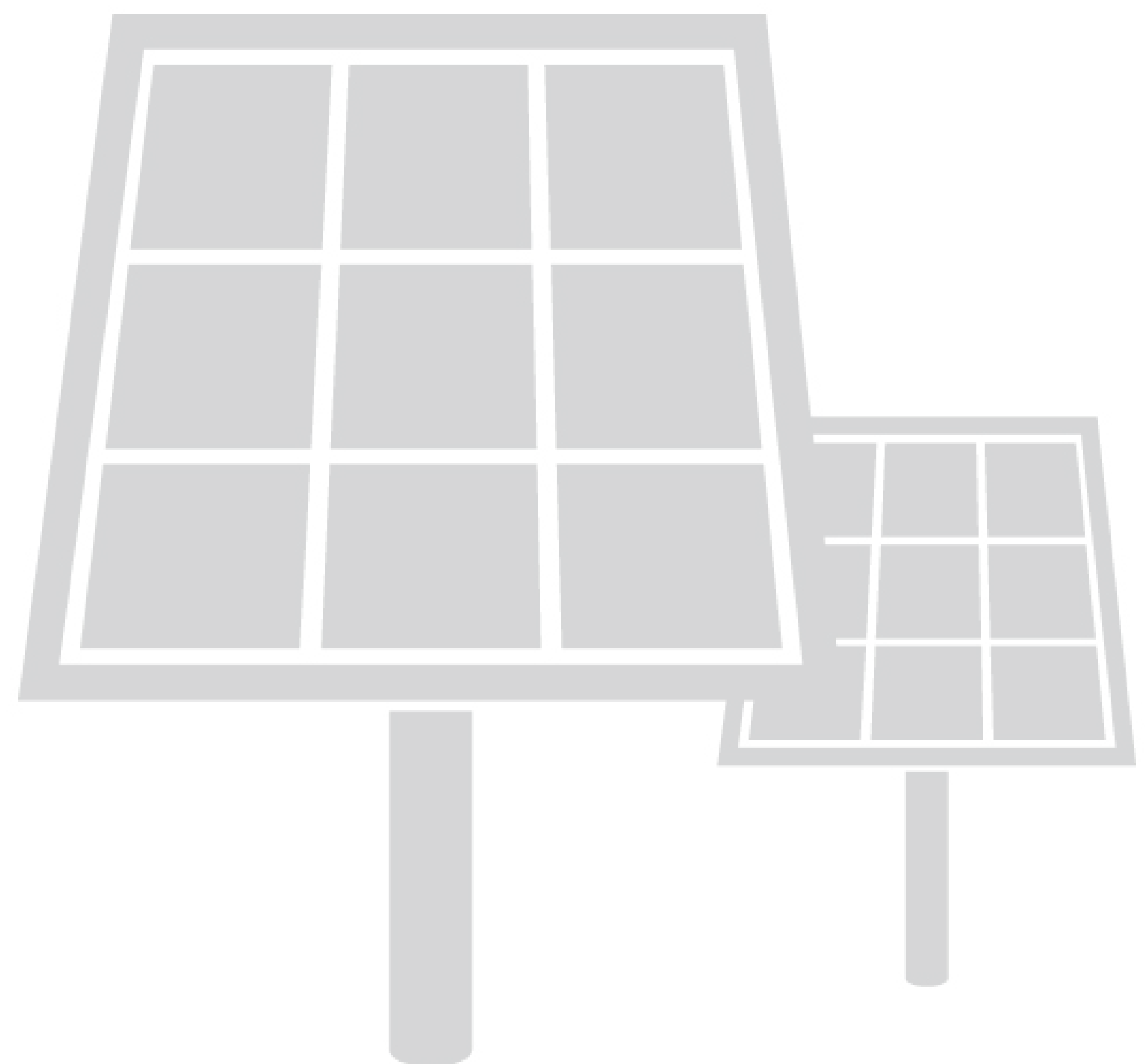
## Community Meeting

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

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

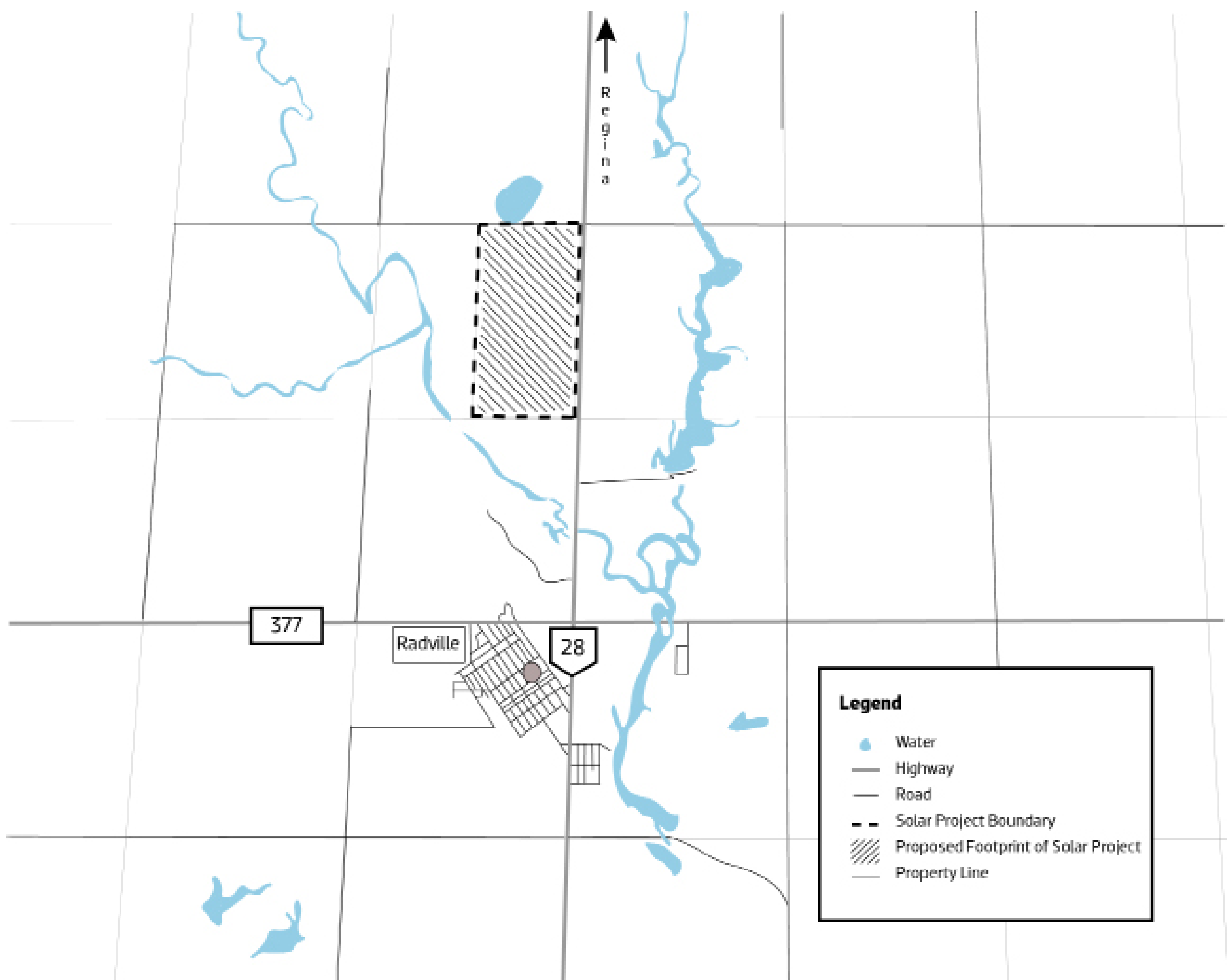
If you have questions or comments, please ask one of our team members.

**Thank you for attending!**



## Project Description

- Up to 40 MW (AC) solar project – enough energy to power up to 6,600 average homes annually with clean renewable power.
- Located within two quarter sections of land, NE-24-06-18-W2M and SE-24-06-18-W2M.
- The Project will consist of solar photovoltaic panels, panel racking systems, internal access roads, cabling, electrical inverters, substation transformer, communications equipment and other related electrical equipment.
- The Project will be bid into the SaskPower solar generation facility request for proposals process and, if awarded a contract, is anticipated to be operational by December 31, 2018.
- The Project will be connected to the Saskatchewan electrical grid through a transmission line to be constructed by SaskPower.



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## Community Benefits

- **Additional long-term tax revenue.** Over the course of the Project's life span, it will provide ongoing contributions to the County's tax base without requiring municipal services such as water and wastewater services.
- **Employment.** The jobs 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 associated infrastructure, and material transportation. The Project will also require permanent employees during operation.
- **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, reduces the risk of climate change, and contributes to improved air quality.



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## Why Here?

There are several factors in choosing sites for solar projects. The Project site was selected for the following reasons:

- Good solar resource
- Close to existing power line infrastructure
- Relatively flat terrain
- Willing landowner

## Why Now?

The Government of Saskatchewan has a target of 50% generation capacity from renewables by 2030, with goal of adding 60 MW of utility-scale solar generation by 2021. To support this initiative, a procurement process is currently underway. BluEarth will bid the Riverview Solar Project into this process with the objective of receiving a power purchase agreement from the Saskatchewan government.





## What's Next?

Public Meeting	November 16, 2017
Saskatchewan Request for Proposals Contract Award	December 2017
Submission of Technical Project Proposal to Saskatchewan Ministry of Environment.	January 2018
Technical Project Proposal Approval	March 2018
Start of Project Construction	April 2018
Project is Operational	December 2018



Once approvals are received, the Project is expected to start construction in 2018.



## Your Questions Answered!

### Do solar facilities cause flooding?

Solar facilities are designed to ensure the water flow coming from the facility is substantially the same as prior to construction. This is done through the creation of a stormwater management plan that uses a combination of a grading plan and the installation of water flow management systems like drains, catchment areas, swales, ditches, culverts and rock check dams. This plan ensures that no additional water is conveyed to adjacent properties once the facility is constructed.

### How are visual concerns addressed?

Solar facilities create a change to the visual landscape; however, the panel height is typically only about 10 feet from the ground. This makes the panels less noticeable from a distance than many other rural structures such as grain silos, barns, and pump jacks. BluEarth commits to meeting with residents should they have concerns.

### Do solar facilities make noise?

Some equipment in a solar facility such as electrical inverters, inverter transformers and the substation transformer create noise during operation. The facility will be carefully designed to ensure that any nearby residences do not experience more than the allowable noise limit of 40 dBA. In addition, solar facilities only generate electricity during daylight hours and, therefore, do not create noise at night.



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## Permits and Approvals

### Ministry of Environment

The Ministry of Environment assesses projects to determine their potential impact on the environment. A Technical Project Proposal consisting of wildlife and habitat studies must be submitted for their review. In support of the Technical Project Proposal, BluEarth conducted the following studies in 2017:

- Land use, wetland and wildlife feature assessment
- Sharp-tailed grouse survey
- Nocturnal amphibian survey
- Visual amphibian survey
- Burrowing owl survey
- Breeding bird survey
- Raptor stick nest survey

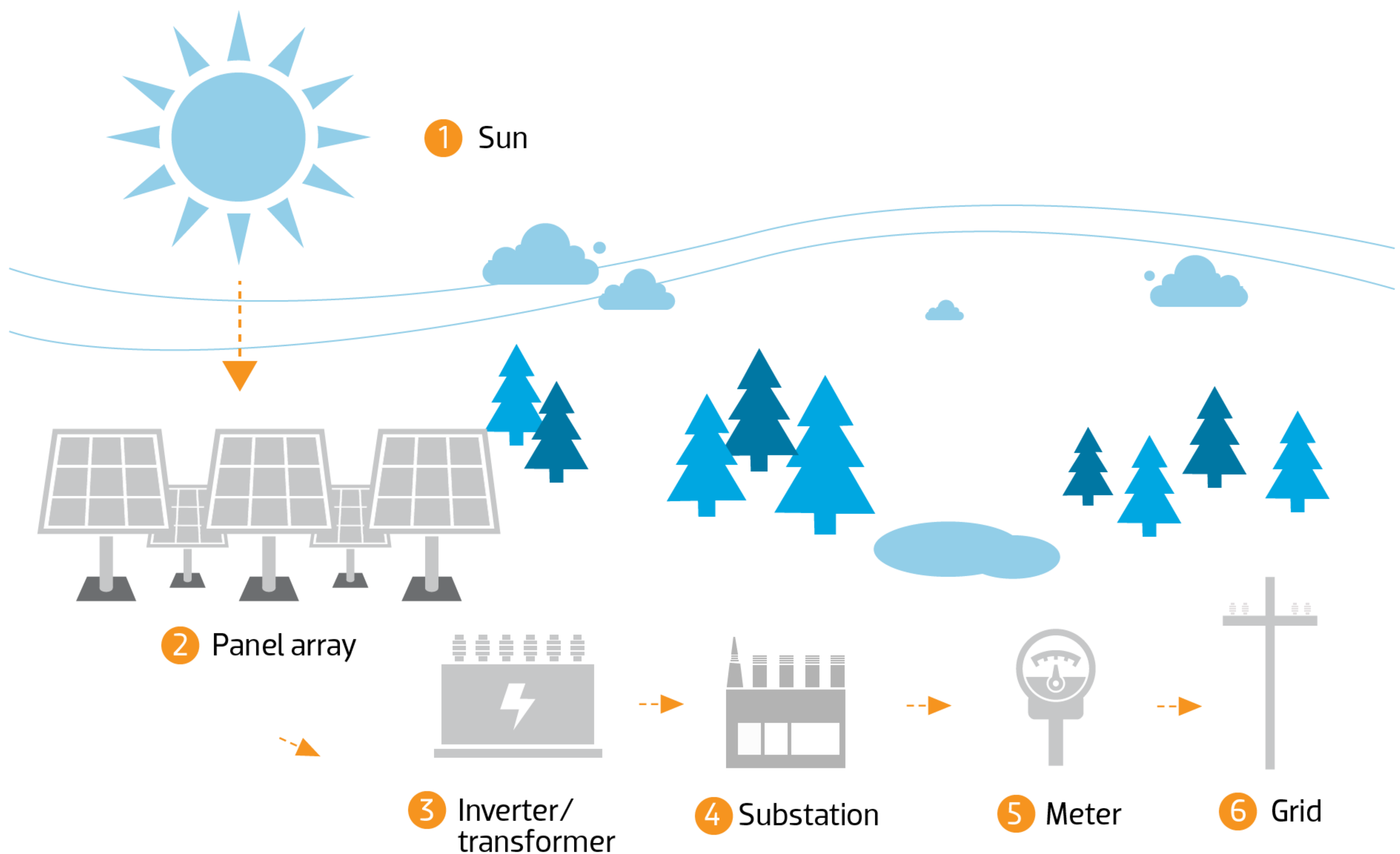
### Rural Municipality

Rural Municipality zoning approval, as well as building permits and approvals, will be applied for where applicable.





## 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 resulting in an electrical current and the production of direct current (DC) electricity.
3. Inverter/transformer units convert the DC electricity from the solar panels to AC electricity. The electricity from the units is transmitted to the substation or point of interconnection.
4. The substation contains a step-up transformer, switchgear and other electrical equipment needed to connect the Project to the Saskatchewan electrical grid. The transformer steps up (increases) the voltage from the inverters to the voltage needed to connect to the distribution or transmission system.
5. The AC electricity is metered and monitored.
6. The electricity is provided to the Saskatchewan electrical grid.





BluEarth is a private, independent renewable power producer, focused on the acquisition, construction and operation of wind, hydro and solar projects. In September 2017, BluEarth acquired four operating renewable facilities, including three run-of-river hydro facilities in British Columbia and one wind facility Ontario. With this acquisition, BluEarth has a portfolio of over \$1.7 billion of renewable energy facilities, representing over 325 MW (net), in operation and construction.

Since BluEarth's inception in 2010, we have built one of the strongest portfolios of long-term contracted renewable energy assets, a strong balance sheet, and one of the most experienced, passionate and dedicated teams in our industry. Beyond our operated facilities and those under construction, BluEarth has a robust development portfolio across Canada.

BluEarth strives for timely and meaningful consultation with all stakeholders and Indigenous Peoples. We believe trust is the foundation for long-term successful relationships, and it is only earned over time by working together with honest and transparent communications.

BluEarth's mission is to be a Canadian-based renewable energy leader by developing, building and operating a portfolio that optimizes people, planet and profit. BluEarth believes that it has The Power to Change the Future™ by demonstrating how to be sustainable and profitable, leaving the world a better place.



**BluEarth operates five solar facilities in Ontario and has several more in development 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 proposed project.

Comments must be received by **November 23, 2017** for consideration in our decision-making process and for inclusion in the application filed with the Saskatchewan Ministry of Environment.

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

[www.blueearth.ca/riverview](http://www.blueearth.ca/riverview)  
[projects@blueearth.ca](mailto:projects@blueearth.ca)  
1.844.214.2578





Project Location



- Legend
- Radville Solar Site Boundary
  - Regional Park
  - Railway
  - Road
  - Outer Section Grid
  - Highway Number

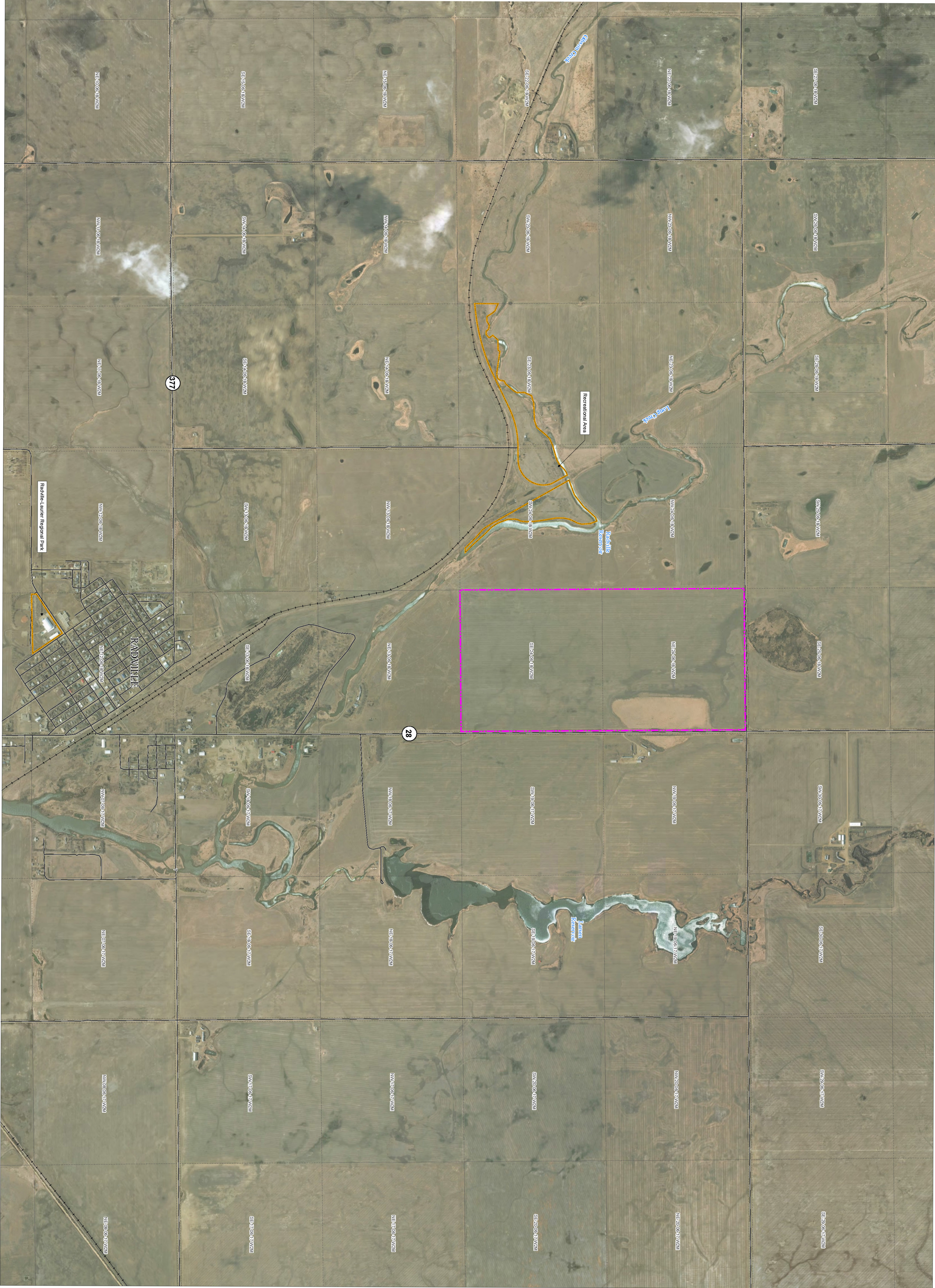
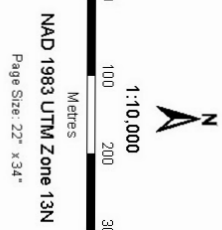
Notes

1. This map is not intended to be a "stand alone" document, but a visual aid of the information contained in the accompanying report. It is intended to be used in conjunction with the scope of services and limitations described therein. It should not be used for any other purpose.

2. All map features are approximate and should be used for discussion purposes only.

Sources

- Saskatchewan Government of Saskatchewan  
- Natural Resources Canada  
- Street View  
- Esri World Topographic Map





## The Elements of a Solar Project



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