

# IYUHÁNA SOLAR PROJECT NEWSLETTER

You are receiving this package as a valued community member. This Iyuhána Solar Project newsletter is the first installment of project information that will be shared quarterly for public distribution as progress continues. We look forward to building strong and lasting relationships with the community and we welcome your conversations, comments, and questions. For more information about how to reach us, please reference the last page under "Contact Us".



## Who We Are

### About Greenwood Sustainable Infrastructure (GSI)

GSI Management Inc. (GSI) is one of the clean energy subsidiaries of Libra Group. GSI is a renewable energy company focused on the development, construction, and operation of distributed generation and utility-scale solar energy and battery storage projects in North America. As of 2024, GSI developed approximately 388 MW DC across 71 renewable energy projects, many of which are still owned or operated by GSI and have an additional project pipeline of 2.3 GW. GSI's team has a proven track record of investing in power assets and partnering with multiple top-tiered investors.

### About Ocean Man First Nation

Ocean Man is a Nakota/Nakoda (Assiniboine), Nêhiyaw (Cree), and Anishinaabe (Ojibwe, Saulteaux) First Nation located to the south-east of Regina, Saskatchewan. Located on Treaty Four traditional territory, Ocean Man First Nation (OMFN) geographically are the closest Indigenous community to the Iyuhána Project site. Led by Chief Connie Big Eagle, OMFN has a membership of 578 individuals. OMFN developed and now operates two fixed tilt groundmount solar projects that are connected to the SaskPower grid and were permitted to do so under the Power Generation Partner Program in 2020 and 2021. OMFN is a true advocate of both the Iyuhána Solar Project and many other renewable energy initiatives within the province of Saskatchewan.

### About Iyuhána Solar

Iyuhána Solar, a partnership with GSI and Canadian Indigenous Peoples OMFN, has been awarded an exclusive Power Purchase Agreement (PPA) with SaskPower, to construct and operate the Project for 25 years. As Saskatchewan expands its renewable energy capacity, with a goal of 3000 MW by 2035, Iyuhána Solar is making a significant step, focused on advancing renewable energy in Canada. Iyuhána Solar will develop, construct, own, and operate the 100-megawatt solar facility in southeast Saskatchewan, supplying emissions-free power onto the SaskPower grid. The Project will generate enough electricity to power approximately 25,000 homes and will be one of Canada's largest contracted solar projects. Ocean Man First Nation will have a 10% ownership stake in the Project and will benefit from specialized training and job opportunities. Iyuhána Solar is also partnering with local academic institutions to provide scholarships, internships, and research opportunities in clean energy.

*The name "Iyuhána" translates to 'Everyone' or 'All of us'  
 "The Project will create employment, bring in revenue, and it will serve and provide  
 power to many homes in Saskatchewan. It will take care of 'EVERYONE!' 'IYUHÁNA!'" -  
 Chief Connie Big Eagle, Ocean Man First Nation*

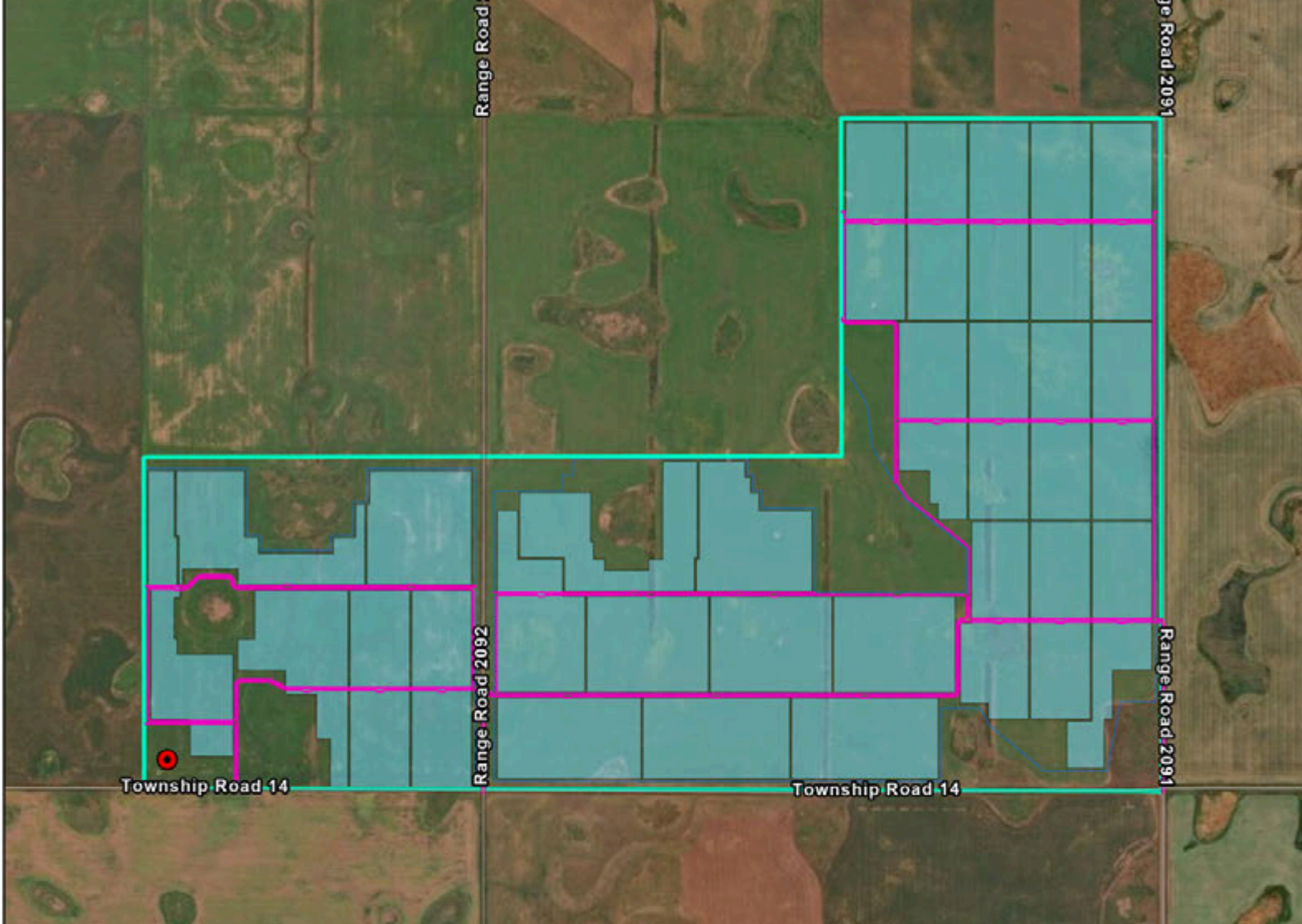
# Project Details

The historic 100 MW AC Iyuhána Solar Project (the Project) is one of the largest groundmount utility-scale solar facilities under development in Saskatchewan, Canada. Located in the Rural Municipality of Estevan, the Project will be designed and constructed to operate for 25 years with target operation commencing in late 2026.

# Preliminary Site Plan

The Preliminary Site Plan below, as seen from a bird's eye view, presents the footprint of the Project. The land enclosed within the Project fence line, depicted in green, has undergone extensive environmental and feasibility studies to ensure the safety and viability of the Project. The 550-acre Project site will be located on SaskPower owned lands approximately 8 kilometers southwest of the City of Estevan. It is located in the northwest corner of the intersection of Range Road 2091 and Township Road 14. The Project will look to utilize approximately 200,000 Bi-Facial solar PV modules, 27 inverters, and 1 high voltage transformer all enclosed in 12 kilometers of perimeter fencing. An online interactive Site Plan can be found on the Project Website: [iyuhanasolar.com](http://iyuhanasolar.com)

IYUHÁNA SOLAR PROJECT DETAILS	
<b>Project Size</b>	100.00 MW AC / 129.65 MW DC
<b>Project Location</b>	RM of Estevan, Saskatchewan
<b>Project Site Coordinates</b>	49° 3'39.45"N, 103° 6'29.83"W (Center of Site)
<b>Technology</b>	Single Axis Tracker panels with Bi-Facial solar PV modules
<b>Energy Output</b>	213 GWh annually
<b>Status</b>	Early-Stage Development
<b>Expected Construction Start</b>	Q3 2025
<b>Expected Construction Term</b>	12 - 18 months, requiring up to 150 employees
<b>Expected Commercial Operation Date</b>	December 2026
<b>Project Partnership Structure</b>	Iyuhána Solar LP is owned 90% by GSI Management Inc. and 10% by OMFN as limited partners
<b>Interconnection</b>	SaskPower Transmission Grid



## **Studies, Permits, and Approvals**

Prior to the start of construction, the Project will obtain a variety of permits and approvals from federal, provincial and municipal agencies.

### **Environmental Impact Statement (EIS), Saskatchewan Ministry of Environment (MOE):**

Iyuhána Solar has engaged an experienced third-party environmental consultant to conduct all necessary field studies to confirm existing wildlife, wildlife habitat, vegetation, wetlands and water courses within the Project area. To address and mitigate potential environmental interactions, the Project is currently in the process of completing an Environmental Impact Statement (EIS) to follow the requirements of the Saskatchewan Environmental Assessment Act. An initial baseline environmental assessment was completed for the Project area in 2022 including a preliminary desktop assessment to identify potential wildlife habitat and species of concern using the Hunting, Angling and Biodiversity Information of Saskatchewan (HABISask). Subsequently, field assessments were conducted in the Project Area using the guidelines for Saskatchewan Plant and Wildlife Pre-Construction Surveys for Renewable Energy Projects and Saskatchewan Species Detection Survey Protocols.

To date, qualified biologists have completed the following on-site field surveys:

- Amphibians
- Burrowing Owls
- Short-eared Owls
- Grassland Breeding Birds
- Sharp-tailed Grouse
- Piping Plover and Yellow Rail
- Rare vascular plants
- Raptors
- Common Nighthawk
- Bird Migration
- Landcover & Wetlands

Following completion of these surveys, preliminary Project siting incorporated the results of identified features of interest and applied associated equipment setback distances in the site layout.

In addition, a preliminary Environmental Management Plan has been developed for the Project site that provides industry standard best management practices and mitigation measures to identify and address potential environmental impacts from the Project through construction, operation, and decommissioning. This Plan will be updated and finalized based on feedback from the MOE and from local stakeholders.

More recently, the Iyuhána Project Team has consulted with the MOE to identify additional environmental assessment requirements to support the MOE's technical review of the Project. Following this engagement, Iyuhána Solar and selected environmental consultants are working to prepare a Terms of Reference document that will be shared with the MOE for review and consideration, outlining the scope of biophysical and socio-economic components in the EIS assessment. Additional field surveys of the Project site were completed in Spring and Summer 2024 to support and verify that no new active wildlife or vegetation features are present in the Project Area. These results will be used to finalize the Project Site Plan. The results will also be incorporated into the EIS to determine all potential environmental and socio-economic interactions of the Project. Iyuhána Solar is committed to continuing to work with the MOE to ensure the Project development, design, and implementation properly account for wildlife and wildlife habitat.

### **Solar Glare Hazard Analysis:**

An experienced third-party consultant has been engaged to complete a Solar Glare Hazard Analysis for the Project. This analysis will assess whether the project is causing any detrimental glare to airplanes flying overhead, to vehicles travelling on adjacent roadways, or to neighboring homes. The assessment will also suggest mitigation measures, if necessary. Since solar modules are dark and designed to absorb sunlight, they tend to not cause excessive glare situations. However, at certain times of year there can be some glare caused. This analysis will assess ground-based receptors within 800m of the boundary of the Project and any aerodromes within 4,000m of the boundary of the Project. The resulting report will be included in the EIS and made available on the Project website, currently targeted for late 2024, and the findings further incorporated in future newsletters.

### **Noise Impact Assessment:**

A Noise Impact Assessment is currently underway to ensure the Project complies with provincial requirements and to provide an assessment of noise as a human health consideration in the EIS. The solar modules themselves do not emit any noise however the inverters and transformers do produce an audible hum when energy is being generated. No noise is generated at night. This analysis will ensure the noise emissions do not exceed accepted limits beyond the fence line of the Project Area. The resulting report will be included in the EIS and made available on the Project website once available, currently targeted for Q4 2024, and the findings further incorporated in future newsletters.

### **The Heritage Property Act, Saskatchewan Archaeological Resource Management:**

The Iyuhána Solar Project area has been reviewed and screened for heritage sensitivities utilizing the Saskatchewan Online Heritage Screening Tool. No associated Heritage Sensitivities within the Project area have been identified.

## Anticipated Project Timeline

Engagement with Ministry of Environment – Ongoing

Environmental field studies conducted by – Q3 2024 (Complete)

Terms of Reference Submission to Ministry of Environment – August 2024 (WE ARE HERE)

Community Open House 1 open for stakeholder consultation – September 5th, 2024

Community Open House 2 open for stakeholder consultation – Q4 2024/Q1 2025

Job Fair 1, hosted in the RM of Estevan – Q4 2024/Q1 2025

Engineering & Equipment Procurement – Q4 2024/Q1 2025

EIS Submission to Ministry of Environment – December 2024

Ministry of Environment Review & Anticipated Approval – Q1 2025

Job Fair 2, hosted in the RM of Estevan – Q2 2025

Target Construction Start – Q3 2025

Target Commercial Operation Date – December 1, 2026

Expected Decommissioning Start – December 1, 2051

## Development, Construction and Operations

Project construction is targeted to commence in Q3 2025. The Project will be commercially operational in December 2026.

### Direct Job Creation:

The Iyuhána Solar Project will produce up to 150 direct employment opportunities throughout the development and construction phases of the Project from 2024 to late 2026. Additionally, during operations, there will be 2 to 3 full time jobs required for Operation and Maintenance efforts of the Project throughout its lifetime.

### Indirect Job Creation:

Throughout the development and construction of the Project, a surge of employees will be present within the Estevan area, requiring accommodation and lodging, and relying on local goods and services for most of their needs. This will help spur additional revenue for the local community.

Iyuhána Solar is committed to hosting a minimum of two job fairs in the Estevan region, prior to construction start, to provide an opportunity to speak with our Engineering, Procurement, and Construction (EPC) Team about the various roles and employment opportunities that will be created throughout the construction phase of this Project. Additionally, Iyuhána Solar is committed to continued engagement and consultation efforts with Ocean Man First Nation and local Indigenous communities to inform local members about employment opportunities and potential service contracts.

Information related to the job fair locations and dates will be made available on the Iyuhána Project website and upcoming newsletters. If you are interested in being considered, please submit your contact information via this [form](https://forms.office.com/r/TL6aLUD7XX) (<https://forms.office.com/r/TL6aLUD7XX>) or please contact us at [iyuhana.solar@greenwoodinfra.com](mailto:iyuhana.solar@greenwoodinfra.com). Iyuhána Solar will share the collected contact information with the Project's selected EPC Team.



# Key Construction Stages and Equipment

## Construction Mobilization:

Mobilization at the site will start once the Project has obtained all necessary approvals, completed detailed engineering design, and procured all major equipment. First, perimeter fencing will be erected to enclose the Project area. Two or three temporary site offices will be installed within the Project Area to monitor the flow of equipment and the workforce. Mobilization for civil works will be the first phase followed quickly by mechanical and electrical equipment installation.

## Site Grading:

The Project Area is generally flat and will require minimal grading. To reduce impacts to wildlife and wildlife habitat, grading for the site will be limited to areas including the high voltage substation, access roads, and a few areas where localized grade changes do not allow suitable installation of the rows of solar modules. Topsoil and subsoil from grading activities will be separated and stockpiled on site as needed.

## Access Roads:

Gravel roads, approximately 6 m wide, will be constructed within the Project Area to provide access within the site during construction and maintenance of the facility. The Project site will be accessed via Range Road 2091 and Township Road 14.

## Facility Equipment Installation

### Pile Installation:

Helical piles are steel posts used to support the racking and solar PV panels. Piles are screwed into the ground to a depth dependent on final engineering design and requirements.

### Racking Installation:

Steel racking is installed onto the piles and used to safely support the solar PV Panels. The project will utilize Single Axis Tracker racking which aligns the panels with the sun and uses a mechanical motor to slowly follow the sun from east to west as the day progresses.

### Solar PV Module Installation:

These modules will be mounted onto the racking system to transform absorbed sunlight into generated electricity when exposed to sunlight.

### Cabling:

All major cabling will be placed within dug and reinstated trenches along the rows of the solar panels.

### Termination and Testing:

Cable termination into all facility equipment will be finalized and tested to ensure proper and complete connection and installation.

### Inverter Installation:

Inverters will convert the electricity generated by the solar panels from direct current (DC) to a publicly usable alternating current (AC). The inverters will be mounted on the racking across the Project site.

### Medium Voltage Transformers:

Medium voltage Transformers will be installed adjacent to the inverters to step-up the voltage to 34.5kV to deliver energy to the Project substation

## Project Substation:

The project will construct, own and operate a high voltage transformer substation in the southwest corner of the Project Area. This substation will transform the 34.5kV electricity up to 230kV to match the voltage of the local SaskPower grid. This is the location where the Project will interconnect to the SaskPower grid.

## Commissioning and Interconnection:

Commissioning procedures will confirm the Project system is designed, constructed, operating and performing as intended prior to generating power onto the SaskPower Transmission grid. The Iyuhána Project Team is committed to continue working with SaskPower to ensure the safe delivery of energy.

## Decommissioning and Reclamation:

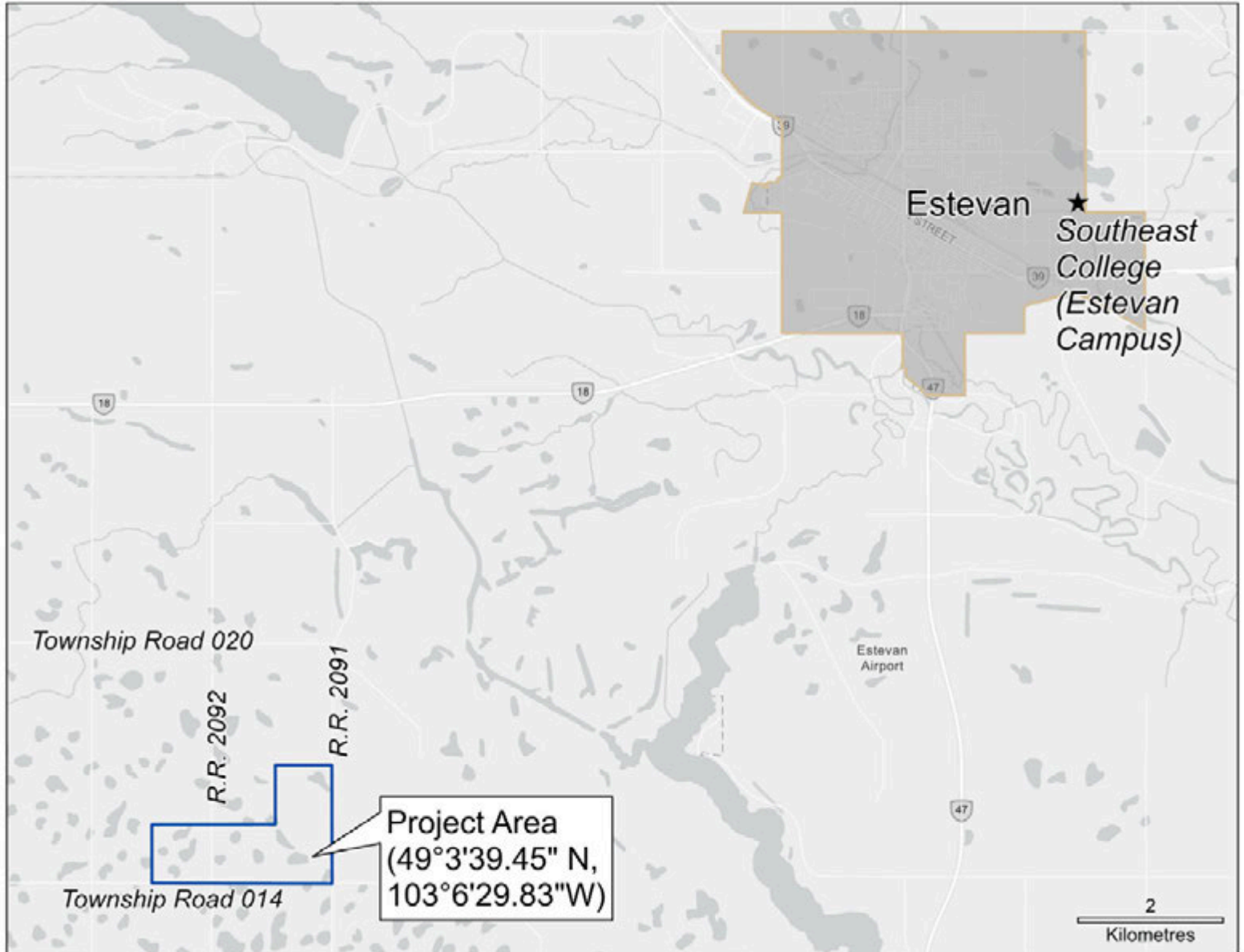
Iyuhána Solar aims to honor the agricultural roots and history of the province of Saskatchewan and the Estevan community. At the end of Project life (25 years), the entirety of the Project facility will be decommissioned by trained professionals following recommendations and commitments in the EIS. All surface equipment and materials will be removed from the site for re-use, recycling, or disposal and the site will be restored to a state similar to, or better than, conditions pre-construction. After decommissioning, traditional agricultural land-use will be able to continue at the property. The decommissioning process will adhere to best industry practices and follow regulatory guidelines in effect by the Province of Saskatchewan at that time.

## **Community Engagement and Consultation**

Community connection and strong stakeholder relationships are at the forefront of the Iyuhána Project Team's values and core beliefs. We aspire to build strong and lasting relationships with all local stakeholders involved in this Project. There will be a variety of events scheduled in the community where you can learn more about the Project.

## **Iyuhána Solar's First Community Open House**

The Iyuhána Project Team is thrilled to be hosting our first Community Open House! Please join us any time during this drop-in style event to learn more about the Project and engage with our Project Team. Iyuhána Solar is looking forward to welcoming you.



**Date: Thursday, September 5th, 2024**

**Time: 6pm Central Time to 9pm Central Time**

**Location: Southeast College Lecture Theatre**

**Southeast College, 532 Bourquin Road, PO Box 1750, Estevan, SK S4A 1C8**

## Project Benefits and Strategic Local Partnerships

The Iyuhána Solar Project will provide many benefits to the local community and the province of Saskatchewan, including:

- **Renewable Energy Targets:** Support SaskPower's clean energy transition. SaskPower aims to achieve 50% clean energy by 2030 and connecting 3,000 MW of renewables to the power grid by 2035.
- **Property Tax Revenue Stream:** Generate stable direct property tax revenue for 25 years for the RM of Estevan community.
- **Direct Job Creation:** Create new direct local jobs throughout the development, construction, and operation phases of the Project. Providing real world experience in the growing renewable energy sector in Saskatchewan and Canada.
- **Indirect Job Creation:** The presence of new and current staff throughout the development and construction of the Project within the Estevan area helps to spur additional revenue for the local community through hospitality and use of local goods and services.
- **Reliable Clean Power Created:** The 100 MW AC Iyuhána Solar Project will produce enough clean power for the equivalent of approximately 25,000 homes.
- **Strategic Partnership Growth:** Through our ongoing dedication to sustainability and our goal of building strong communities around our projects, Iyuhána Solar has made numerous commitments towards investments in education, research and innovation, employment, and support for the Ocean Man First Nation band.

## Contact Us

Iyuhána Solar is committed to providing quarterly newsletter updates during development and construction. The newsletter will cover Project progress, key milestones, employment opportunities, opportunities for sharing concerns, and information regarding the upcoming Community Open House, job fairs, community sessions and workshops. These newsletters will be posted on the Iyuhána Solar Project website ([iyuhanasolar.com](http://iyuhanasolar.com)) and can be mailed out to stakeholders upon request.

Additionally, a Frequently Asked Questions (FAQ) document has been prepared and can be found on the Project website. The FAQ will continue to be updated as we progress through project development, construction, and operations. The FAQ document can be mailed out to stakeholders upon request.

**Lana Taher - Senior Project Developer, M.Eng.**

✉ [iyuhana.solar@greenwoodinfra.com](mailto:iyuhana.solar@greenwoodinfra.com)

**Samantha Brown**

☎ (587) 434-7547

✉ [sbrown@sabreenergyconsulting.com](mailto:sbrown@sabreenergyconsulting.com)

***Privacy Commitment: Iyuhána Solar is committed to protecting your privacy. All collected personal information will not be shared publicly. As part of the construction process, shared personal information will be provided to the selected Project EPC.***





## **Next Steps – Community Engagement and Consultation**

This will be the first of a minimum of two community Open Houses hosted by Iyuhána Solar. Our hope is to provide access to Project-related information, a chance to talk with the Project Team in-person, and the opportunity to influence the Project by providing input and feedback.

Continued engagement is important to the Iyuhána Project Team. If you would like to receive Project updates via email, please submit your contact information via this [form](https://forms.office.com/r/2PCkz3fwqN) (https://forms.office.com/r/2PCkz3fwqN). If you prefer paper mail, please fill out this form and mail it to:

SABR Energy Consulting Inc.  
PO Box 72007, Glenmore Landing PO  
Calgary, Alberta T2V 5H9

**Name**

---

**Phone**

---

**Email**

---

**Mailing Address**

---

---

**Brief description of any experience in the industry**

---

---

---

---

---