



# Sunnyacre

## Solar Project

Sunnyacre Power Inc. is developing the Sunnyacres Solar Project located in your area.

## Project Update Newsletter

October 2024

### In this newsletter:

- Project Design and Layout Update
- Environmental Updates
- Project Schedule Update
- Noise and Glare Results
- AUC Update

## Sunnyacre Power Inc.

**Sunnyacre Power Inc. (“Sunnyacre”) is a wholly owned entity of Aspire Tech (“ATI”) and has continued to progress the development of the Sunnyacre Solar Project (the “Project”)**

ATI is a Canadian-based smart energy technology innovator focusing on the development and integration of grid scale renewable power generation and energy storage system to deliver clean electricity to Albertans.

This newsletter is an opportunity for us to share information about the solar energy project with you. We encourage you to reach out and ask questions, provide comments, or suggest improvements.



## Key Project Updates

We are writing to provide an update on the following aspects of the Project:

### **Design Update:**



The Project underwent a design update, previously located on two separate parcels within the ¼ section, and is now condensed into a continuous portion of the ¼ section. The Project will also no longer have a Battery Energy Storage System as a design component. Please refer to the layout on the following page for further details.

### **AEPA Referral Report:**



Alberta Environment & Protected Areas (“AEPA”) reviewed our Renewable Energy Submission and provided feedback in the Renewable Energy Referral Report, in which AEPA determined the Project poses a low risk to wildlife habitat.

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



Two local roads, Township Road 564 and Range Road 213A, were assessed and are not predicted to receive any glare from the Project. One dwelling was assessed and is not predicted to experience any glare from the Project.

### **Noise Impact Assessment:**



One residential dwelling was assessed, and no net increase in sound resulted from the Project due to the preexisting presence of noise generating industrial facilities within the Heartland District of Strathcona County.



## Project at a Glance



4.99 MW Solar



## 39 Acres



## Strathcona County, AB



SE-21-56-21-W4M

## Design Layout



## Project Layout

## Environmental Updates

In addition to receiving a **low** risk ranking from AEPA in the Renewable Energy Referral Report, Sunnyacre completed additional wildlife, habitat, and wetland field studies throughout 2023 and 2024. These studies inform the Project design, layout, and schedule in consideration of mitigating adverse effects to environmental features. The preparation of an **Environmental Evaluation (“EE”)** and an **Environmental Protection Plan (“EPP”)** are underway for the Project to guide construction and operations activities for the long-term maintenance and preservation of environmental features.

A field analysis of soils and weeds will be completed prior to construction. The preparation of a **Conservation and Reclamation Plan (“C&R”)** per the *Conservation and Reclamation Directive for Renewable Energy Operations* is well underway. This plan will ensure the appropriate pre- and post-disturbance assessments are completed to guide interim and progressive reclamation, track the progress of reclamation, and ensure that the reclamation meets the appropriate criteria at the end of the Project’s life.

Concurrently, Sunnyacre has conducted a third-party assessment for a Decommissioning and Reclamation Report to better manage the project at the end-of-life. The EE, EPP, conceptual C&R, and the Decommissioning and Reclamation Report will be filed with the Project’s AUC application and will be posted on the project website at [sunnyacresolar.com](http://sunnyacresolar.com).

## Project Schedule

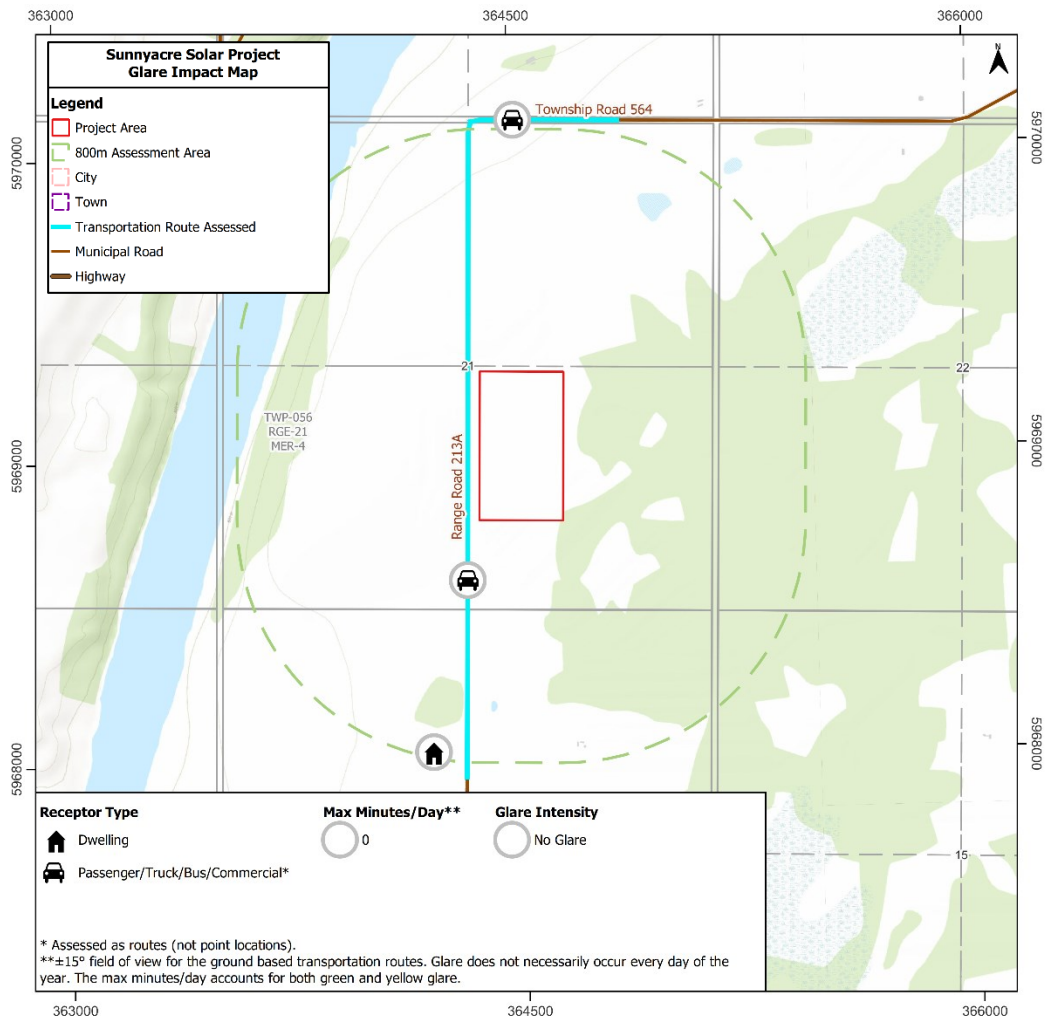


## Solar Glare Hazard Analysis

Sunnyacre undertook a Solar Glare Hazard Analysis ("SGHA") to assess the potential glare on flights paths, traffic routes, stationary observation points and dwellings.

Glare was assessed along TR 564 and RR 213A, and are not predicted to receive any glare from the Project at either the  $\pm 15^\circ$  field-of-view ("FOV") or the  $\pm 25^\circ$  FOV.

One receptor was assessed to represent a dwelling near the Project. The dwelling was modelled at 4.5m above ground to represent a two-storey building, and is not predicted to receive any glare from the Project.



Glare Impact Map

Receptor	Green Glare (min/year)	Yellow Glare (min/year)	Red Glare (min/year)	Max Daily Glare (min/day)
R1	0	0	0	0
TR 564	0	0	0	0
RR 213A	0	0	0	0

Glare Results ( $\pm 15^\circ$  &  $\pm 25^\circ$  FOV,  $0^\circ$  Resting Angle, All Vehicles)

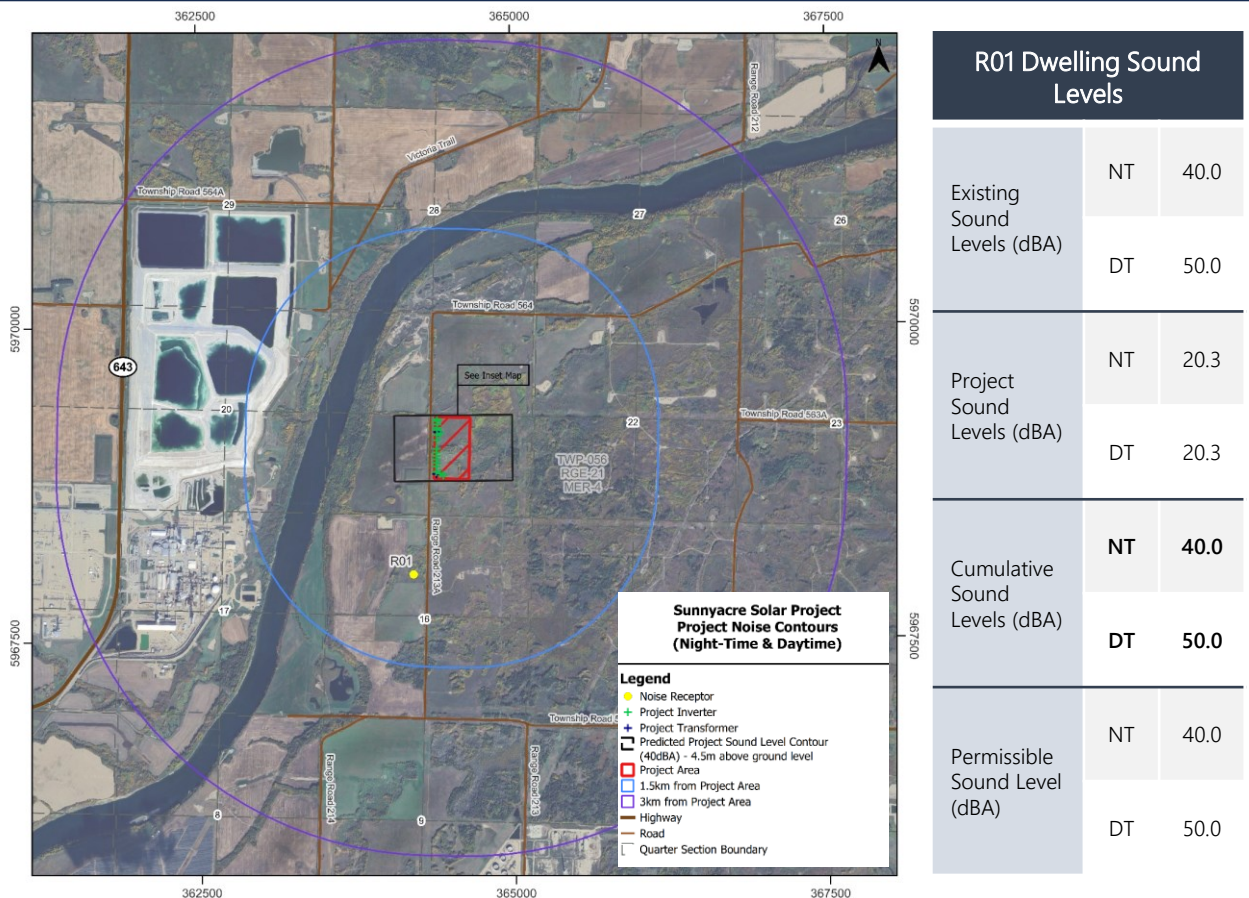


## Noise Impact Assessment

Noise from the Project is regulated by the AUC through *Rule 012: Noise Control*. A Noise Impact Assessment ("NIA") was completed to assess noise from the Sunnycastle Solar Project.

To comply with Rule 012, noise levels at occupied dwellings must not exceed daytime or night-time Permissible Sounds Level ("PSL") limits. The noise levels include natural and non-industrial sources, existing industrial facilities, and the proposed project. A computer model was used to predict noise levels at 1 dwelling located within 1.5 km of the Project.

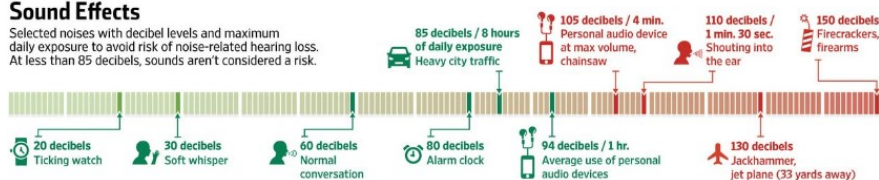
Since the Project is located within the Heartland District of Strathcona County, which includes many regulated 3<sup>rd</sup> party energy-related facilities such as a Nutrien west of the North Saskatchewan River, the study has resulted in a "No Net Increase". This approach is justified as the existing energy-related facilities within the area generate significant noise.



Noise Impact Analysis Residential Receptor Map

### Sound Effects

Selected noises with decibel levels and maximum daily exposure to avoid risk of noise-related hearing loss. At less than 85 decibels, sounds aren't considered a risk.







Typical Sounds Level (dBA) of Common Noise Sources (World Health Organization)

Sound level assessment for R01 during Night-Time (NT) and Daytime (DT) Periods

# AUC Pause and Interim Rules

In August 2023, the AUC initiated a pause on all renewable energy projects greater than 1MW, and released a set of interim set requirements, which allows projects to proceed based on the following criteria:

Interim Requirements	Sunnyacre Solar Project
 Avoid Prime Agricultural Lands (Class 1 or 2)	<input checked="" type="checkbox"/> The Project is sited on Heavy Industrial Lands with Class 3-5 Land Suitability Rating System (LSRS).
 Requirement of a Reclamation Security	<input checked="" type="checkbox"/> As the land and the project owner, Sunnyacre has a vested interest in ensuring appropriate end-of-life measures are taken. <input checked="" type="checkbox"/> Sunnyacre has completed a Reclamation Liability Assessment
 Preservation of Pristine Viewscapes	<input checked="" type="checkbox"/> The Project is located outside “pristine viewscapes” designated by the province.
 Compliance with Municipal Land Use	<input checked="" type="checkbox"/> The Project is designed in accordance with Strathcona County’s Land Use Bylaw # 24-2024. <input checked="" type="checkbox"/> Sunnyacre has been consulting with the County and aims to submit the Project’s Development Permit by end of 2024.

## Project Benefits



Provides local generation of **clean electricity** to power about **1,000 Alberta homes**



Creates **15 construction jobs** and **2-3 permanent** full and part-time jobs during operations



**Increases municipal tax revenues** throughout the life of the project (~30-35 Years)



Injects appx. **\$3,500,000** into the local Albertan economy

## Contact Us

**Sunnyacre Power Inc.**  
Participant Involvement Program Mailbox  
P.O. Box 406 203-304 Main Street SE  
Airdrie, AB T4B 3C3  
**Website:** [sunnyacresolar.com](http://sunnyacresolar.com)

**Arshan Hussaini**  
**Development Project Manager**  
**ASCENT Energy Partners**  
T: (587) 997-8139  
E: [Sunnyacres@ascentpartners.ca](mailto:Sunnyacres@ascentpartners.ca)

**Privacy Statement:**  
We are committed to protecting your privacy. Collected Information will be protected under the provincial Personal Information Protection Act. As part of the regulatory process for new generation projects we may be required to provide your personal information to the Alberta Utilities Commission (AUC). For more information on how information will be protected please contact us.