

**Dolcy**  
Solar + Energy Storage  
Project Update

**300 MW<sub>AC</sub>**

Solar Power Plant Capacity

**100 MW / 200 MWh**

Battery Energy Storage Capacity

**Municipal District of Wainwright**

20 km north of Metiskow

## In This Newsletter:

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## Project Schedule Update:

Development activities are progressing, and the Dolcy Project Team would like to provide you with updates and additional information about the Project. We are currently preparing our power plant application to the Alberta Utilities Commission (AUC) which will be submitted by the end of 2023.

<b>Environmental Studies</b>	Complete
<b>Technical Studies (e.g. Noise, Glare)</b>	Complete
<b>MD Wainwright Permitting</b>	Complete
<b>Interconnection Process</b>	Q4 2021 – Q4 2025
<b>AUC Application</b>	Q4 2023
<b>Construction</b>	2025-2027
<b>Commercial Operations Date</b>	2027

## Stakeholder Update:

Project newsletters were mailed out to stakeholders in December 2022, March 2023 and June 2023, and open houses were held during April and July 2023. We appreciate all the comments & concerns that have been raised by stakeholders as they are helpful in the Project planning process.

## Key Project Updates:

The Project's layout has been changed from a single-axis tracking system to a fixed-tilt layout. This means that the solar panels will be fixed in place as opposed to tracking the sun's movement from east to west throughout the day.

For the Dolcy Project, the change to a fixed tilt system allowed the Project to decrease its overall land footprint and resulting environmental impact while gaining overall generating capacity.

### Project Layout Updates:

- Change from single-axis tracking to fixed tilt.
- The total Project generating capacity has increased from 200MW to 300MW.
- The total Project area (area within the project fenceline) has decreased by close to 50 acres.
- The Project footprint (actual Project infrastructure including panels, fences, roads, etc.) that impacts wetlands has been reduced.
- The Project setback from David Lake has increased from 500 metres to 1,000 meters.

The change to a fixed tilt layout required that the potential for noise and solar glare be reassessed to ensure the Project remains within the limits of compliance specified by the Alberta Utilities Commission (AUC). The results of each study are discussed in the following pages.

## Environmental Reporting:

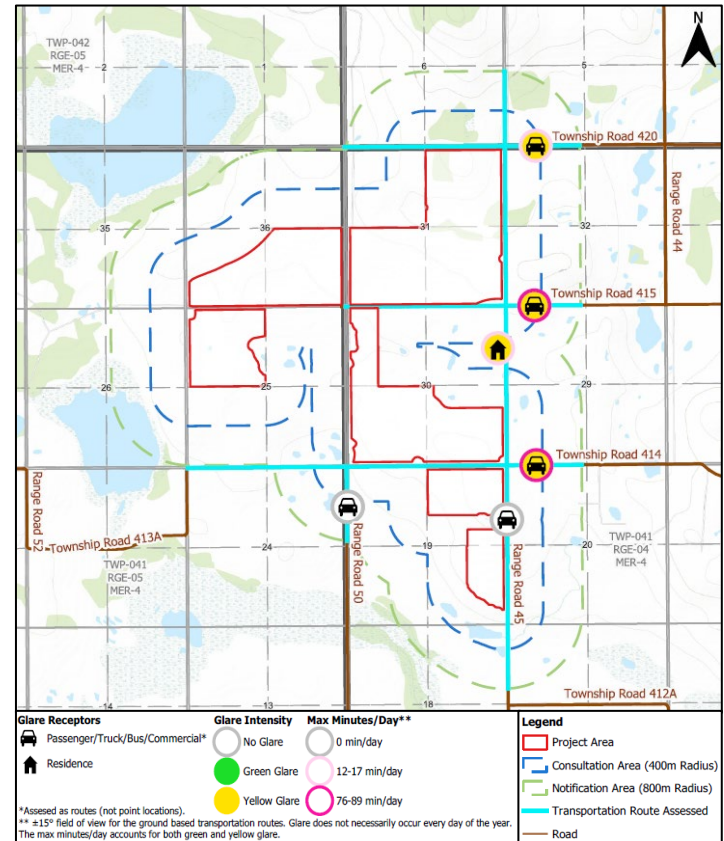
Additional wildlife, and habitat field studies were completed between May and August 2023. These studies informed the updated Project design, layout, and schedule in consideration of mitigating adverse effects to environmental features. An **Environmental Protection Plan (EPP)** has been completed for 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* has been completed. 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. The EPP and a conceptual C&R will be filed with the Project's AUC application.

## Solar Glare Hazard Analysis:

Dolcy undertook a revised **Solar Glare Hazard Analysis (SGHA)** for the fixed tilt layout. Glare was assessed along Township Roads 415, 416, 420, Range Road 45 and for one dwelling within 800 metres of the Project. Yellow glare and glare duration have increased in duration along Township Roads 414 and 415. Similarly yellow and daily glare durations increased slightly for the residence within 800m although maximum daily glare decreased overall. The results of the SGHA have been posted on the Project website: [www.dolcysolar.com](http://www.dolcysolar.com).

## Solar Project Glare Impact Map:



## Noise Impact Assessment:

Noise from the Project is regulated by the AUC through *Rule 012: Noise Control*. A revised [Noise Impact Assessment](#) was completed for the Project for the fixed tilt layout. To comply with Rule 012, cumulative (existing + project) noise levels at occupied dwellings must not exceed daytime (7 am to 10 pm) or night-time (10 pm to 7 am) Permissible Sound Level (PSL) limits. Cumulative noise levels include natural and non-industrial sources, existing industrial facilities, and the proposed Project.

A computer model was used to predict cumulative noise levels at one dwelling located within 1.5 km of the Project. Cumulative sound levels continued to be assessed below PSLs at the assessed dwelling - in other words the Project continues to be compliant with AUC Rule 012 requirements.

## Results of the Cumulative Sound Level Assessment:

Receptor	Existing sound level (dBA)		Project sound level (dBA)		Cumulative sound level (dBA)		* PSL (dBA)	
	NT	DT	NT	DT	NT	DT	NT	DT
Dwelling R1	35.1	45.0	38.1	38.1	39.9	45.8	40.0	50.0

DT – Daytime; NT – Night-time; PSL – Permissible Sound Level

## Typical Sound Levels (Dba) Of Common Noise Sources:

### 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.



Source: World Health Organization

## Permitting Update:

The Project received its Municipal Development Permit from the Municipal District of Wainwright on July 10, 2023.

The AUC regulates the construction and operation of all electrical infrastructure in the province. We anticipate a Q4 2023 filing of the Project power plant and substation application to the AUC. The application to interconnect the Project to the electric grid will be submitted at a later date as part of AltaLink's Facility Application. Once filed, the power plant application will contain comprehensive Project information and will be available for public review at: [www.auc.ab.ca](http://www.auc.ab.ca).

## Contact Us:

Details about the Project, including mapping, technical studies, reports, and consultation materials are available on our website:

[www.dolcysolar.com](http://www.dolcysolar.com)

Please feel free to contact us:

T: (587) 997-4602 E: [dolcysolar@ascentpartners.ca](mailto:dolcysolar@ascentpartners.ca)

## Dolcy Solar Inc.

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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.