

Dolcy
Solar + Energy Storage
Project Update

200 MW_{AC}

Solar Power Plant Capacity

100 MW / 200 MWh

Battery Energy Storage Capacity

Municipal District of Wainwright

20 km north of Metiskow

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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. Over the last 4-6 months we have been busy progressing development activities, completing technical studies, and preparing our power plant application to the Alberta Utilities Commission (AUC) and the MD of Wainwright.

Environmental Studies	Complete
Technical Studies (e.g. Noise, Glare)	Complete
Interconnection Process	Q4 2021 – Q4 2023
AUC Application and Approval	Q3 2023
MD Wainwright Permitting	Q3 2023
Construction	2024-2025
Commercial Operations Date	Q3-2025

Stakeholder Update:

Project newsletters were mailed out to stakeholders in December 2022 and March 2023 and an open house was held in April 2023. We appreciate all the comments & concerns that have been raised by stakeholders as they are helpful in the Project planning & development process.

Key Project Updates:

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

A Noise Impact Assessment has been completed and to ensure noise compliance at all residences within 1.5m of the Project the following mitigations:

- Relocated the Battery Energy Storage System (BESS) site from adjacent to the Project substation to 175m west to reduce noise at a residence.
- Changed the inverter manufacturer and model to reduce overall noise.

A project-specific Emergency Response Plan has been drafted and is being reviewed by the MD of Wainwright's Emergency Services and will include emergency response procedures for solar PV and BESS emergencies that may occur such as fire, gassing, or spills.

Alberta Environment & Protected Areas – Fish & Wildlife (AEPA) reviewed our [Renewable Energy Submission](#) and provided their feedback in the [Renewable Energy Referral Report](#), in which AEPA determined the Dolcy Solar Project poses a [low](#) risk to wildlife habitat. Based on the feedback provided in the report and local feedback, the Project Team will apply the following mitigations:

- Construction work within wetland setbacks to occur during dry or frozen ground conditions and avoid sensitive periods for amphibians.
- Bird nest sweeps will occur prior to construction activities during the nesting season and found nests will be avoided with applicable buffers.
- Fencing was planned to avoid creating entrapment or "pinch points" for deer, moose, and elk moving through and using the area.

Environmental Reporting:

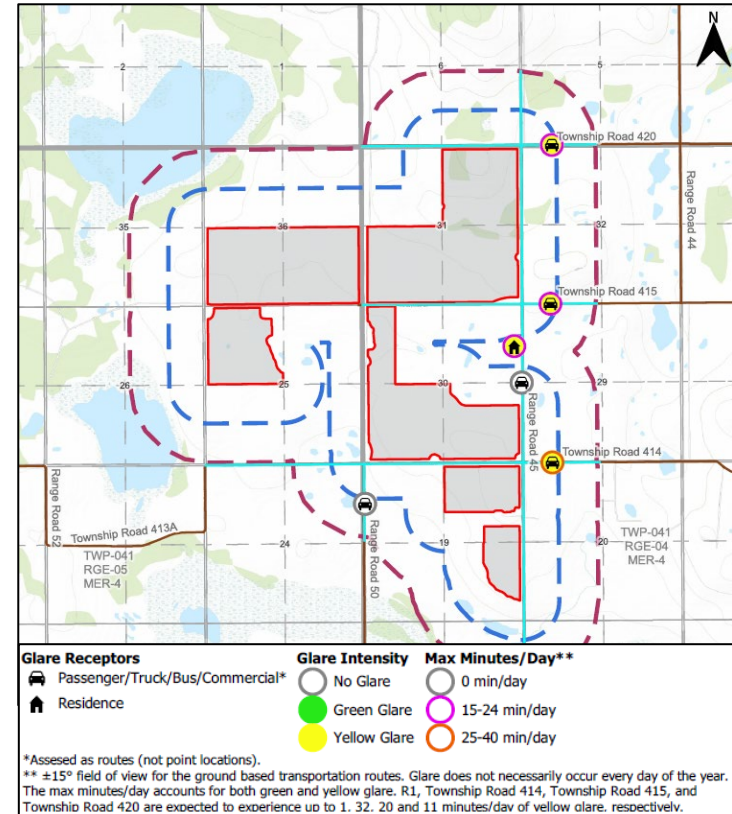
Additional wildlife, and habitat field studies will be completed in July 2023. These studies inform the Project design, layout, and schedule in consideration of mitigating adverse effects to environmental features. An **Environmental Protection Plan (EPP)** is underway for the Project to guide construction 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. The EPP and a conceptual C&R will be filed with the Project's AUC application.

Solar Glare Hazard Analysis:

Dolcy undertook a **Solar Glare Hazard Analysis (SGHA)** per AUC Rule 007 requirements using the Solar Glare Hazard Analysis Tool, which is specifically designed for the analysis of potential glare on flight paths, traffic routes, and stationary observation points such as dwellings. Glare was assessed along Township Roads 415, 416, 420, Range Road 45 and for one dwelling within 800 metres of the Project. The level of glare predicted along the transportation routes and dwellings is not expected to create hazardous conditions or have a significant adverse effect on a resident's home use. The results of the SGHA have been posted on the Project website: 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 [Noise Impact Assessment](#) was completed for the Project and 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 dwellings located within 1.5 km of the Project. Cumulative sound levels were assessed to be below PSLs at the assessed receptor - in other words the Project is expected to operate in compliance with AUC Rule 012 requirements.

Results of the Cumulative Sound Level Assessment:

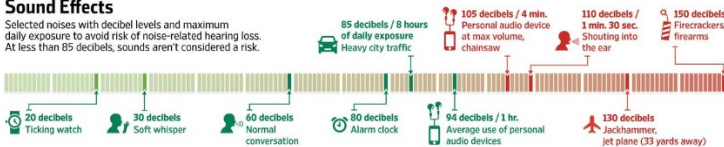
Receptor	Existing sound level (dBA)		Project sound level (dBA)		Cumulative sound level (dBA)		PSL (dBA)	
	NT	DT	NT	DT	NT	DT	NT	DT
Dwelling								
R1	35.1	45.0	37.7	37.7	39.6	45.8	40.0	50.0

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 AUC regulates the construction and operation of all electrical infrastructure in the province. We anticipate a Q3 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 ATCO Electric'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.

Dolcy will also seek a Municipal Development Permit from the Municipal District of Wainwright.

Contact Us:

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

www.dolcysolar.com

Please feel free to contact us:

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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.