



Stettler Solar and Storage Project

Newsletter – Q3 2023

ABO Wind Canada Ltd. (ABO Wind) would like to thank all those who came out to our Open House in March of this year to learn more about our proposed 36-megawatt Stettler Solar + Storage Project (Stettler Solar/the Project).



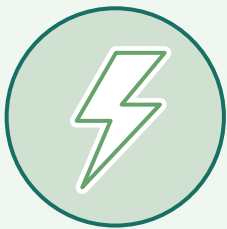
Stettler Solar would provide a cost-effective source of clean energy for approximately 10,000 homes and will contribute to Alberta's increasing percentage of renewable energy generation. The Project would displace approximately 38,000 tonnes of CO₂ annually, which amounts to ~ 1 million tonnes of CO₂ over 25 years.

**ABO
WIND**

The Project

We have recently formed the legal entity Stettler Solar Inc. (SSI) a subsidiary 100% owned by ABO Wind AG (ABO Wind's parent company in Germany), which will take ownership of the Project. Going forward, SSI, will be the public facing entity for the Project and will be referenced in this and future documents.

The Project is sited on privately-owned, cultivated land approximately 2 kilometers southeast of the Town limits of Stettler on the Northwest and Northeast quarters of Section 20, Range 19, Township 38, West of the 4th Meridian, which is adjacent to the existing ATCO 796S Substation. SSI has recently made changes to the project design based on technical and stakeholder feedback. These changes include shifting the battery storage site further east by approximately 100 metres, as well as relocating panels from the northern edge further south to improve the visual aesthetics.



Nameplate Capacity of each Photovoltaic Panel **565Wp**
Nameplate Capacity of Project **36 MWac**



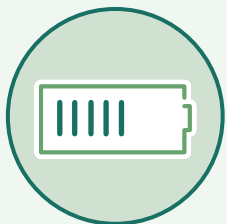
The estimated annual amount of renewable energy produced will be enough for **~10,000 homes**



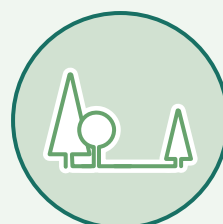
Estimated Number of Photovoltaic Panels: **72,000**



Size of the Project Boundary: **190 acres**



Estimated size of battery: **16 MW/55 MW hours**
<1 acre of land



Project Footprint (disturbed land) **~150 acres**

Visual Simulations

SSI contracted third-party experts, Green Cat Renewables, to create the visual simulations, to show how the Project will appear on the landscape from four nearby viewpoints:



Viewpoint 01



Viewpoint 02



Viewpoint 03



Viewpoint 04

Frequently Asked Questions (FAQs)

from the Open House

We understand that not all interested parties were able to attend the open house and that some attendees may not have been able to speak to each technical expert. Based on feedback forms and stakeholder input, we have compiled a list of the FAQs. If you have any follow-up questions, please contact SSI directly for additional information.

How will weeds be managed?



SSI is currently working on a weed mitigation plan for the Project. This includes collaboration with the County and adjacent landowners to provide acceptable low-maintenance cover crop options. If herbicides are used, they would be similar to what other farming operations use in the surrounding fields and will be compliant with Provincial regulations. In the limited area where topsoil is stripped, it will be temporarily stockpiled adjacent to the location and then returned. Finalized measures will be captured in the Weed Mitigation Management Plan, which will be incorporated into the Environmental Protection Plan. The plan will be shared with the County and form part of the Alberta Utilities Commission (AUC) application.

How will the Project be decommissioned and reclaimed?

How will it be funded?



The Alberta Government has set out Conservation and Reclamation (C&R) Regulations under the Environmental Protection and Enhancement Act (Alberta Regulation 115/1993). As these regulations can be updated, SSI will follow the most recent regulations at the time of decommissioning. A Conservation and Reclamation plan will be made available to the County and AUC when ready. The plan will outline methods to ensure a successful reclamation process for after the decommissioning of the Project. The intent of the C&R plan is to have the land reclaimed to its previous land use and function. Through the lease agreement with the landowner, a decommissioning fund will be created during the Project's operation and all applicable costs will be the responsibility of SSI.

Frequently Asked Questions (FAQs)

from the Open House

What is the impact of solar projects on property values?



After comparing the scope of the proposed Stettler Solar project to similar projects within Alberta, three solar projects were identified that were near country residential developments. Brooks Solar Project, Claresholm Solar Project and Foothills Solar Project, all have country residential development adjacent to the projects. When the adjacent sales were examined, there was no measurable difference in property values, both after the projects were proposed as well as after/during construction near the solar projects. In addition, there has not been an increase in the expected number of listings around solar projects after they are constructed in these areas. These results have been confirmed by other appraisers reviewing potential impacts to adjoining parcels on these projects. A literature review of studies on the impacts of solar projects has also been conducted. While there are no studies within Alberta, there have been studies in Ontario, USA and Europe. Based on a review of these studies it is inconclusive as to whether or not there is a measurable impact to property values adjoining a solar project, especially with consideration of the typical land use and density of development within Alberta compared to Eastern USA and European countries.

What fire and safety measures will be taken?



The Project will have an Emergency Response Plan (ERP), as part of its construction and operation procedures. A draft ERP will be included in the Power Plant Application to the AUC. The plan will detail emergency response procedures to be taken in the rare occurrence of a fire at site, or other emergencies that might occur during construction and operation. The ERP will be continually updated as needed and SSI will follow the ERP upon construction of the Project. SSI has initiated consultation with a number of key entities including external experts and Stettler County emergency services. Feedback will be incorporated into the ERP, with the final document reviewed by County agencies and the AUC.

Noise and Glare

The Project will have sound-generating infrastructure (such as batteries and inverters) and can produce glare when the sun reflects off the surface of a photovoltaic (PV) module. Glare and noise are regulated by the AUC Rule 007 and 012. The Project will comply with all regulatory guidelines. The noise contour shown on the brochure figure represents the potential impact from the Project infrastructure, in combination with existing sound from the area. The cumulative sound level produced from the Project and existing facilities is limited to 40dBA (decibels). The noise limit is approximately equivalent to sound produced from light rain or a soft whisper.

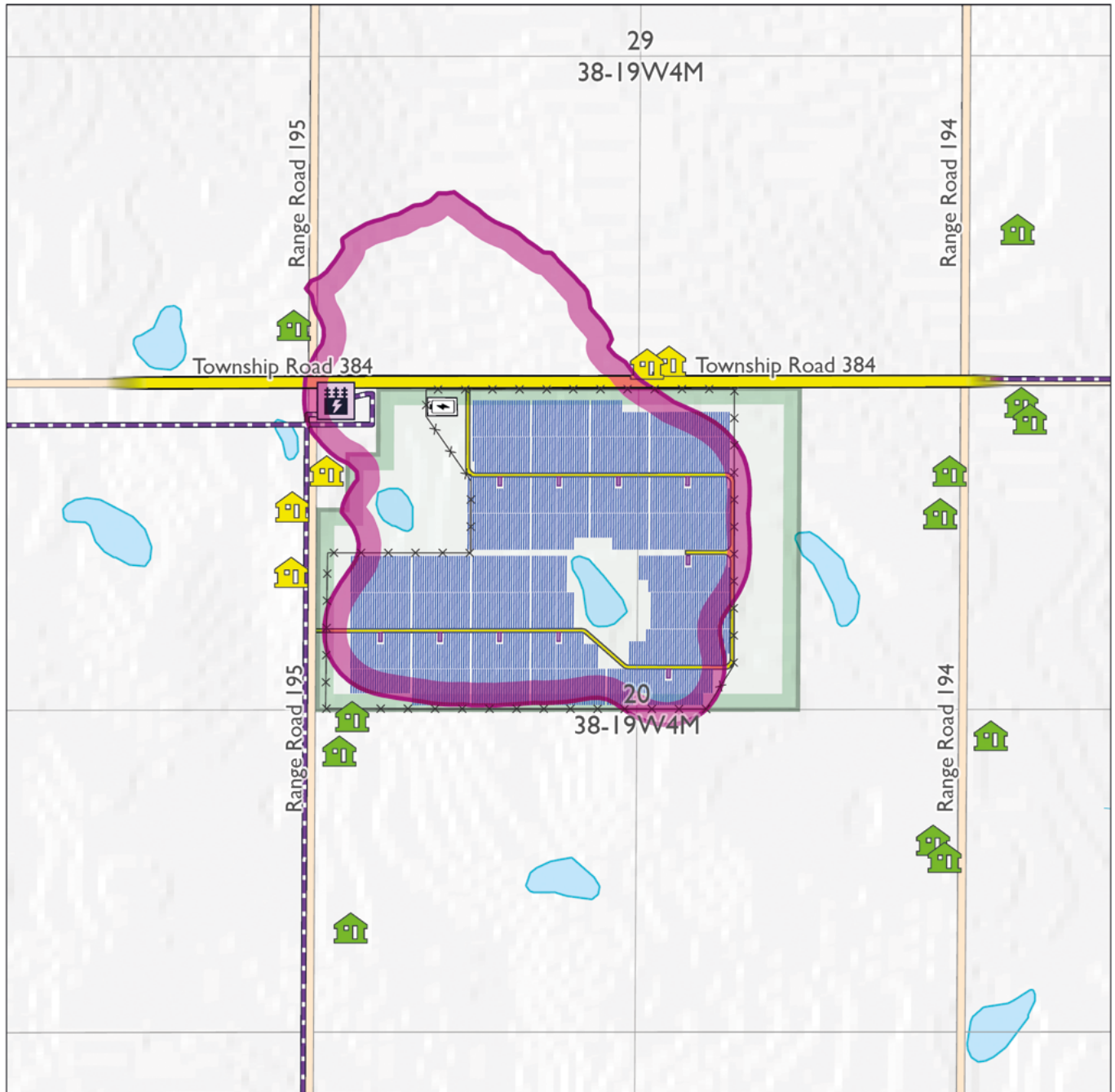
A solar glare hazard analysis was completed by Green Cat Renewables for the Project, which assessed nearby dwellings within 800m and roads adjacent to the Project boundary. The report indicates that the Project 'is not likely to have the potential to create hazardous glare conditions for the dwellings or roads.' The report can be shared with stakeholders upon request.

Environmental and Regulatory Process

Maskwa Environmental completed comprehensive environmental assessments for the Project. The information gathered from the environmental field program was included in the Renewable Energy Submission Report and submitted to AEPA in Spring of 2023. AEPA will issue a Renewable Energy Referral Letter that will outline an overall Project risk ranking. SSI is required to commit to construction and operational mitigation stated by AEPA based on the risk assessment.












Once the AEPA Referral Report is issued an application is made to the AUC under Rule 007 – Application – Solar power plants or battery storage facilities, 10 megawatts or greater – urban and rural. SSI expects to submit the application in Q4, 2023. The Public will be informed of the Application submission.

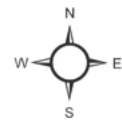
Noise contour



Stettler Solar and Storage Project

Preliminary Layout - Subject to Change

- | | | | |
|---|---|---|---|
|  | Project Area |  | No Glare |
|  | Proposed Solar Panel Placement |  | Potential for Glare |
|  | Project Inverter |  | Township Road 384
by Max Daily Glare (min/day)
Potential for Glare |
|  | Battery Energy Storage System (BESS) Area |  | Predicted 38.9 dBA Sound Level
Contour Project and Adjacent Facilities
Contribution |
|  | Access Road | | |
|  | Existing Substation | | |
|  | Existing Transmission Line | | |



0 200 400 600 m

Scale: 1:16,000
 Projection: NAD83 UTM Zone 12N
 Publish Date: 2023-06-29

Data Sources: Altalis, Airbus, USGS, NGA, NASA, CGIAR, NCEAS, NLS, OS, NMA, Geodatastyrelsen, GSA, GSI and the GIS User Community

In the Community



SSI commits to creating a positive impact in the communities where we develop renewable projects. As we learn more about each community, we discover initiatives that would benefit from our contributions. This year we were a proud sponsor of the Stettler Steel Wheel Stampede where members of our team were able to attend in person to enjoy the festivities.

SSI looks forward to supporting community initiatives for years to come as we grow our relationship throughout the life of the Project. In addition to this local funding the project will generate the following positive benefits:

- Tax dollars for the County of Stettler
- Contracts for local goods and service providers
- Local employment opportunities
- Offset emissions that would otherwise be emitted through the burning of fossil fuels

Project Contact and Consultation

If you have questions about the Regulatory and Consultation Process, you can contact the AUC at 403-592-4500 or find information at: www.auc.ab.ca

We look forward to hearing from you. For more information, please visit our website at www.stettlersolar.com or contact us at:



David Berrade
Social Impact and Engagement Lead
ABO Wind Canada
Phone: 587-576-5339
Email: dave.berrade@abo-wind.com

Schedule:

SSI has updated the preliminary projected timeline for the Project. These changes are shown in the table below and are subject to change.

Activity	Timeline
Public Notification and Project Information Package 1	November 2022
Environmental Field Studies	Spring 2022 to Fall 2022
Submission of Environmental Assessment to Alberta Environment and Parks	Q1 2023
Open House in Stettler	March 2023
Public Notification and Project Information Package 2	Q3 2023
AUC Application Submission	Q4 2023
AUC Review and Approval	Q1 2024
MD Permit Review and Approval	Q2 2024
Start of Construction	Q3 2024
Commencement of Operation	Q4 2025

