

JANUARY 2022

# PAINTEARTH WIND PROJECT UPDATE



## INTRODUCTION

Thank you to everyone who has provided feedback on the Paintearth Wind Project (the Project). We value our relationship with local communities and appreciate your continued interest in the Project. This newsletter provides up-to-date information on this Project, and it gives us the opportunity to seek your feedback.

## PROJECT UPDATES

Further to our letter from October 9, 2020, Paintearth Wind Project LP (PWLP) is pleased to provide the following update. PWLP will be applying for a time extension with the Alberta Utilities Commission (AUC) and has been diligently working on project design and optimization. As a result, PWLP is proposing to amend the Project layout in order to improve the overall efficiency and Project capacity, as outlined in this newsletter. Due to improvements in technology, the increase in Project capacity can be achieved with a reduction in the number of wind turbines.

PWLP is proposing to change the turbine manufacturer and model and evaluating several options at this time.

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*Images are not representative of the proposed turbine models.*

# TURBINE AND LAYOUT CHANGES

The turbine models being assessed have the following characteristics:

Nameplate Capacity	Between 4.8MW and 5.56MW
Hub Height	Between 92m and 114m
Rotor Diameter	Between 145m and 160m

The total Project nameplate capacity will be between 163.2MW and 166.8MW with a total of 30 to 34 final turbine locations.

Due to the increase in nameplate capacity of each turbine, some turbines have been removed. Several of the remaining turbines have been adjusted within 50 metres of their previously approved locations and have been renumbered in a sequential order.

Once the turbine model has been chosen and the layout is finalized, the collector line and access road routes will also be updated accordingly and communicated through future newsletters. The map attached shows the proposed changes to the layout. PWLP will make the final selection of turbines before submitting the AUC amendment application and the stakeholders will be notified via a letter before the submission. PWLP will provide additional details and a progress update of the AUC amendment in future newsletters. Throughout this process, we will continue to consult with stakeholders. We welcome your feedback on the updated layout and you can always reach out to us via the contact information provided at the end of this newsletter.



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## NOISE IMPACT ASSESSMENT

In Alberta, all energy facilities must comply with *AUC Rule 012: Noise Control*. This rule requires the cumulative assessment of noise emissions, including existing and proposed power projects, oil and gas facilities, and other energy-related facilities. Under *Rule 012*, the Project must demonstrate that noise levels do not exceed the permissible sound level at residences located within 1.5 kilometers (km) of the proposed facility boundary. The permissible sound level is based on the dwelling density and distance from heavily travelled roads or rail lines. An updated Noise Impact Assessment (NIA) is underway, and we expect to include more details on the results in our next update letter.

## SHADOW FLICKER ANALYSIS

Shadow flicker can occur when the sun passes behind the rotor of a wind turbine and casts a moving shadow over a residence. Where this shadow passes over a narrow opening, such as a window, the moving rotor can cause the light levels to ‘flicker’. The shadow flicker effect can only be experienced inside buildings. An updated shadow flicker analysis is underway, and we expect to include the results in our next update letter.



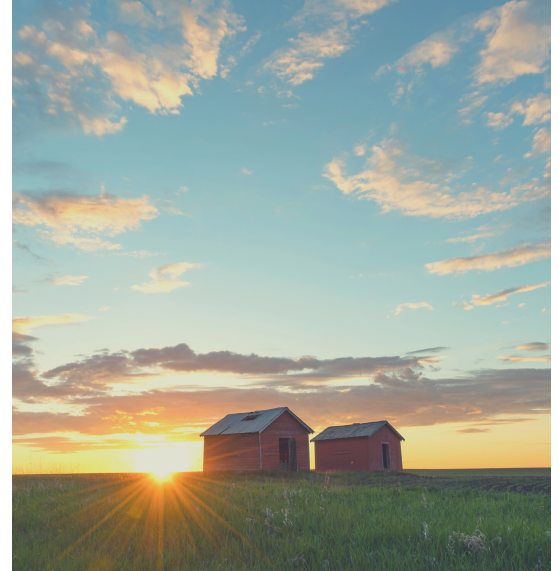
# ENVIRONMENTAL STUDIES

PWLP has completed comprehensive environmental assessments for the Project and received a Renewable Energy Referral Report (RR) from Alberta Environment and Parks (AEP) in 2017. Over the years, PWLP kept surveys current as required in the RR and provided AEP with necessary updates. PWLP will be sending an update to AEP on the recent turbine and layout changes this spring, and will continue to comply with the requirements of AEP and the AUC.

# COMMUNITY BENEFITS

PWLP is committed to ongoing community engagement and welcomes feedback from all stakeholders. In the past, PWLP has been a proud sponsor of the Halkirk Rodeo and has provided funding to the Paintearth Community Adult Learning Council.

Once the Project is commercially operational, funding will be coordinated through the creation of a development fund and a community development committee. If you are interested in participating in the community development committee, or if you have community initiatives or funding opportunities that you would like to submit, please contact PWLP via the contact information below.



# UPDATED SCHEDULE

Newsletter Update - January 2022

AUC Amendment Application Submission - June 2022

County Development Permit Submission - July 2022

Anticipated AUC Approval - September 2022

Anticipated Start of Construction - Fall 2022

Anticipated Commercial Operations Date - December 2023

\*Schedule is subject to change



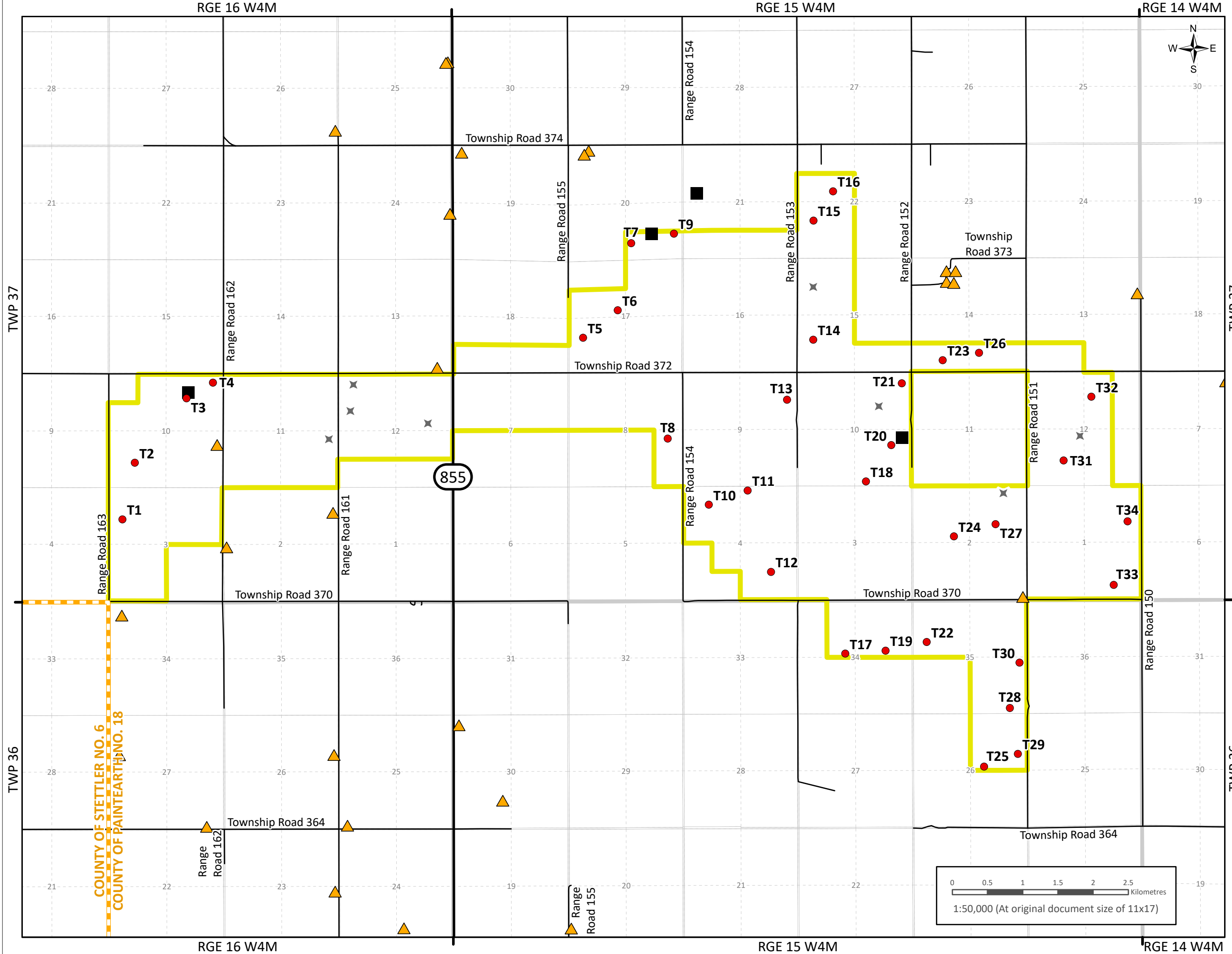
PWLP looks forward to receiving your feedback, questions or concerns related to the proposed changes. If you would like to meet and discuss the Project, please do not hesitate to contact us via the information below.

# CONTACT US

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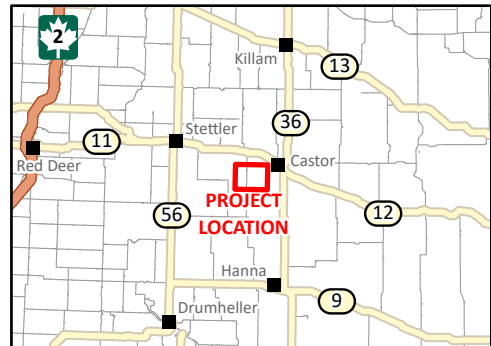
Privacy Commitment: PWLP is committed to protecting your privacy. Collected personal information will be protected under the provincial Personal Information Protection Act (PIPA). As part of the regulatory process for new generation projects, PWLP may be required to provide your personal information to Alberta Utilities Commission (AUC). For more information about how PWLP protects your personal information, visit our website at [www.paintearthwind.com](http://www.paintearthwind.com) or contact us directly via phone toll-free at 1.855.221.1888.



# PAINTEARTH WIND PROJECT (PWP)

- Legend**
- Project Boundary
  - Remaining Turbines / Previously Approved
  - Removed Turbines / Previously Approved
  - MET Tower
  - Receptor
  - Municipal Boundary
  - Township Boundary
  - Section Boundary
  - Quarter-section Line
  - Highway
  - Road

- Map Notes:**
- The remaining turbines have been renumbered.
  - Some of the remaining turbines have moved within 50 m of their originally approved locations.
  - Routes of collector lines and access roads are still under planning.



- Data Notes:**
- Produced January 2022.
  - Coordinate system: NAD 1983 UTM Zone 12N.
  - Data sources include: AltaLIS, ESRI.

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