



OYEN WIND POWER PROJECT



About the Project

RES Oyen Wind LP, a wholly owned subsidiary of Renewable Energy Systems Canada Inc. (RES), is proposing to develop, construct and operate a wind power project of up to 466 megawatts (MW) of generation to be located north of the town of Oyen, Alberta, located in Special Area No. 3.

The Oyen Wind Power Project (the Project) is planned to be constructed between 2025 and 2027. This Project would produce enough electricity to power over 150,000 Alberta homes.

Interconnection

The Project proposes to build a short transmission line to connect to the existing 240 kV transmission line owned and operated by ATCO to the west of the Project area. If approved, the transmission connection would be built along the existing line to connect to the existing Lanfine Substation (959S). ATCO will be consulting separately regarding the Interconnection Project.

Proposed Final Project Layout

The Proposed Project Layout comprises 87 potential turbine locations, however, we anticipate constructing a maximum of 83 turbines.

We are currently examining several turbine models with nameplate capacities between 5.7 MW and 6.6 MW which could have a maximum tower height of 120 metres and a maximum blade length of 85 metres. The final number of turbines will be determined once the turbine model has been selected.

RES presented the preliminary layout at its second Open House in October 2023 and has been gathering feedback and discussing the layout with stakeholders in order to achieve a design which best suits the community. Over the past months, we have been hard at work finalizing the design that addresses as many concerns as possible while remaining viable. The enclosed **Updated Project Layout Map** shows the new Project Layout as well as the previous layout (in light grey) so you can clearly see the changes we have made.

We have redone noise and shadow flicker assessments to ensure the new layout still complies with AUC Rule 012: Noise Control and with Shadow Flicker guidelines. Please see the enclosed **Noise and Shadow Flicker Summary Map** which confirms the new layout remains compliant.

Changes to the Project Layout

Following extensive consultation with local stakeholders, including the local airport authorities, we made adjustments to the Project Layout. Prioritizing safety above all, we've taken proactive measures to move seven turbines from the vicinity of the airport as well as minor repositioning of several turbines.

Our decision-making process involved careful consideration of various interests and technical constraints, with the overarching goal of ensuring the safety and well-being of the community. We deeply appreciate the understanding and engagement of all involved parties as we work through the Project design. While we understand that not all stakeholder preferences for the rest of the Layout could be fully met, every effort was made to accommodate as many stakeholders as possible.

Moving forward, we remain steadfast in our commitment to responsible practices and transparent communication. Together, we're shaping a sustainable future that benefits us all.

Over the upcoming weeks, we will be reaching out to those located within 800 metres of the Project boundary to discuss the updated layout and respond to any questions or concerns you may have.

As always, we encourage you to reach out to us to ask questions and/or voice your concerns. Contact info is available on the last page of this newsletter.

We value your feedback!

Studies and assessments

As part of the government review process, wind projects are subject to various environmental study and reporting requirements. In order to meet these requirements and to design the Project Layout, we are conducting a number of studies, including desktop and field studies focused on:

- Wildlife Field Surveys - completed
- Wetlands Classification and Mapping - completed
- Vegetation Field Surveys and Mapping - completed
- Preliminary Geotechnical Studies – completed
- Soil Surveys - upcoming
- Noise Impact Assessment – complete for current layout – see attached contour map
- Shadow Flicker Assessment - complete for current layout – see attached contour map
- Sub-surface surveys for oil and gas facilities & other underground infrastructure – completed



About the AUC

The Alberta Utilities Commission (AUC) is a quasi-judicial independent agency established by the Government of Alberta, responsible to ensure that the delivery of Alberta's utility service takes place in a manner that is fair, responsible and in the public interest. They regulate investor-owned natural gas, electric and water utilities, and certain municipally owned electric utilities to protect social, economic and environmental interests of Alberta where competitive market forces do not.

For more information about the regulatory process, please contact:

ALBERTA UTILITIES COMMISSION

Phone: 780-427-4903, Email: consumer-relations@auc.ab.ca, Website: auc.ab.ca

Community Benefits

RES is an active player in the communities it is involved in and can support various fundraising events and special initiatives that bring local benefit. Some of the contributions we have made so far include (but are not limited to): Oyen Rodeo 2022 and 2023, Halo Air Ambulance, Oyen District and Golf Club, Oyen Curling Club, Chinook Applied Research Association (CARA).

If you have any ideas on how we can take an active role in the community, please contact us to discuss community contributions or sponsorship opportunities.

Local benefits

The Oyen Project will bring substantial local economic and social benefits to the community. These include:

- Municipal tax revenues throughout the life of the Project
- Annual Community Benefit Fund of up to \$50,000 per year
- Annual lease payments to landowners hosting the Project, providing a parallel, secure revenue stream to standard farming operations
- Construction and operations jobs and support services during construction and throughout the life of the Project
- Contracting opportunities for local businesses
- Increased local spending on goods and services during the Project's development, construction and operational phases

Updated Proposed Project Schedule*



*Schedule is subject to change

** Consultation is ongoing throughout the life of the Project

WHY WIND?

Affordability:

Thanks to the evolution of wind turbine technology and other factors, wind energy is the **lowest-cost option for new electricity generation in Alberta** today, all sources combined.

Environment:

Wind energy produces no carbon emissions or other air contaminants. It is a key solution to fighting climate change.

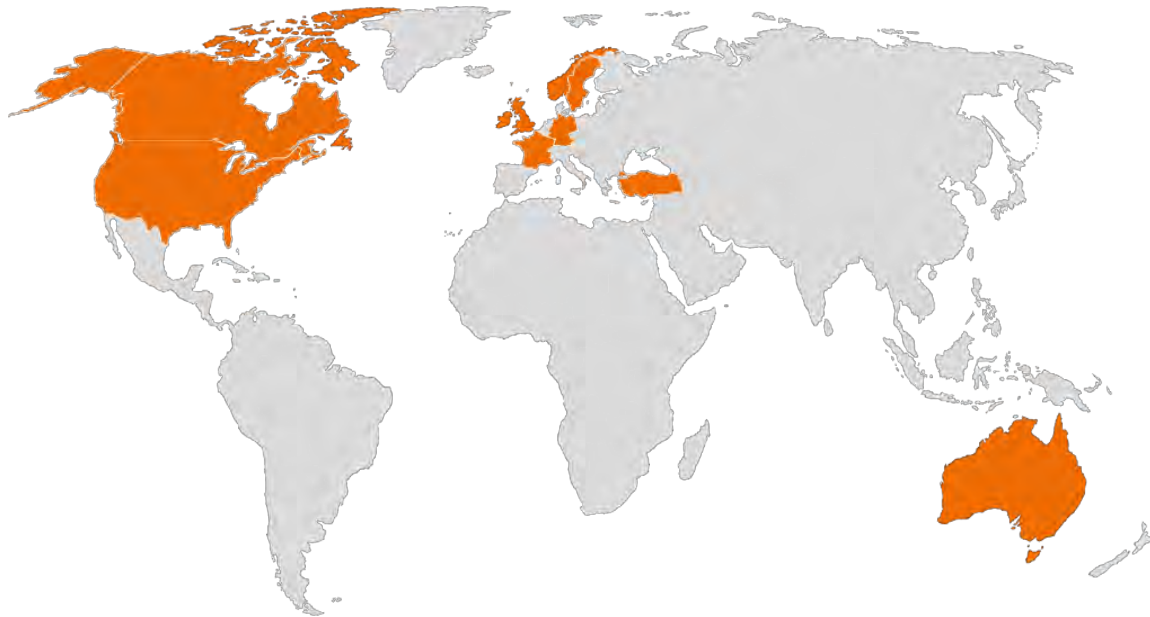
Community:

Wind projects benefit local communities through economic development, job creation, training, lease payments to local landowners and tax payments to the host County.

ABOUT RES

RES, the largest independent renewable energy company in the World, is a family-owned business, owned by the McAlpine Family Trust, and has been in the renewable energy business since 1981. Through our corporate culture and values, we are dedicated to a zero-carbon future for all Canadians and our focus is solely on renewable energy projects (wind, solar) and supporting & enabling projects (energy storage, transmission). RES has been developing, constructing, owning and/or operating renewable energy, transmission, and energy storage projects in Canada since 2003. RES has developed and/or built 28 projects across Canada.

Please visit: <http://www.res-group.com> for more information.



24_{GW} PORTFOLIO

40+_{YEARS} OF EXPERIENCE

12_{GW} ASSETS

ACTIVITIES



DEVELOP



CONSTRUCT



OPERATE

TECHNOLOGIES



WIND



SOLAR



STORAGE



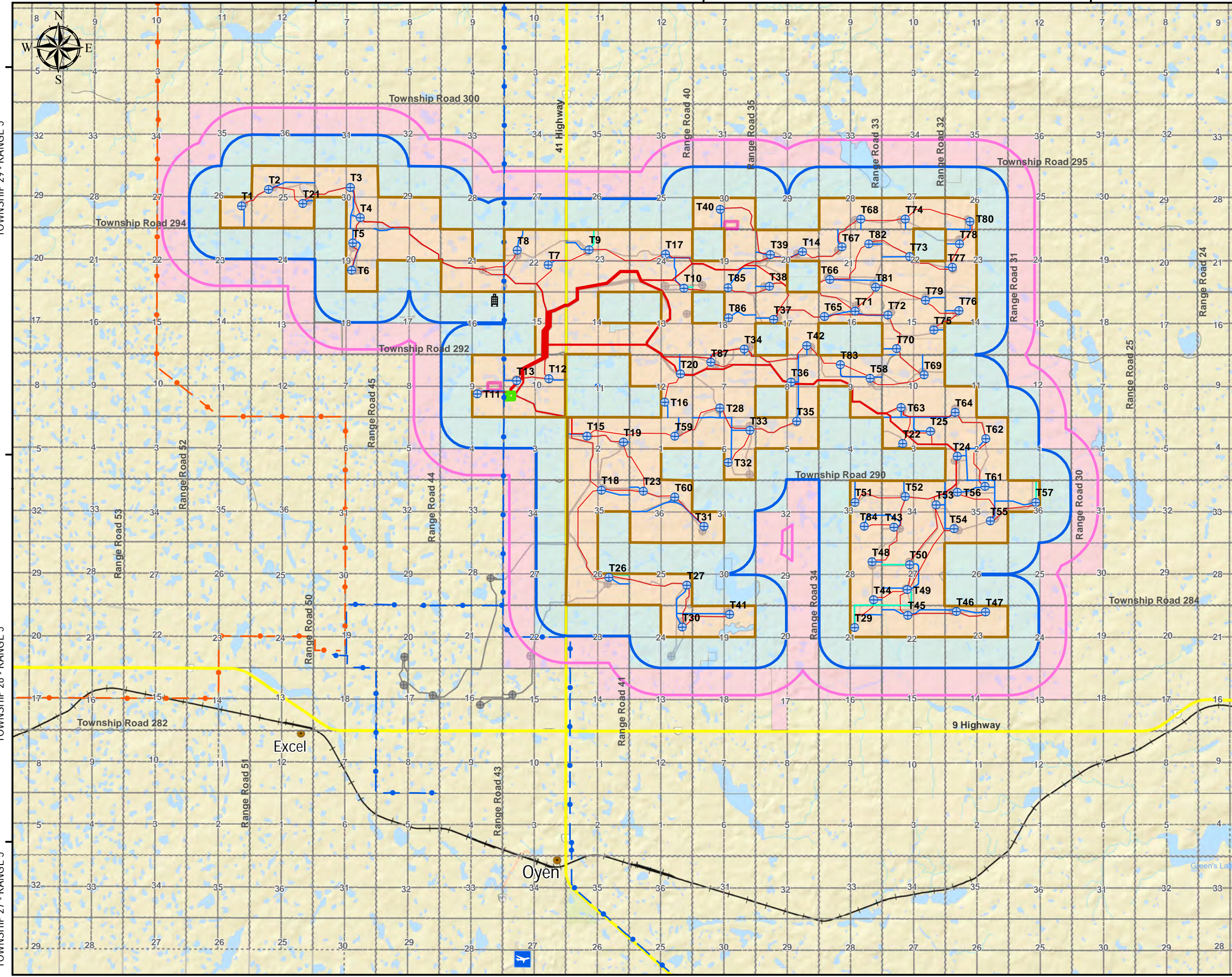
T&D

Contact us:

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Casey Cato
Land Acquisition Manager
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**OYEN WIND POWER PROJECT
CONSULTATION MAP**

LEGEND

- Proposed Project Area
- Project Lands
- QS within 800m Buffer
- QS within 1500m Buffer
- Consultation Area 800m Buffer
- Notification Area 1,500m Buffer
- Turbine Layout
- Proposed Collector System
- Proposed Access Road
- Road Alternates
- Project Substation SW 10-29-04-W4M
- Temporary Laydown Yard
- Previous Layout & Infrastructure
- 138 kV Line
- 240 kV Line
- Roads
- Highway
- River & Stream
- Waterbody
- Railway
- Oyen Municipal Airport

Absolute Scale
1:95,000

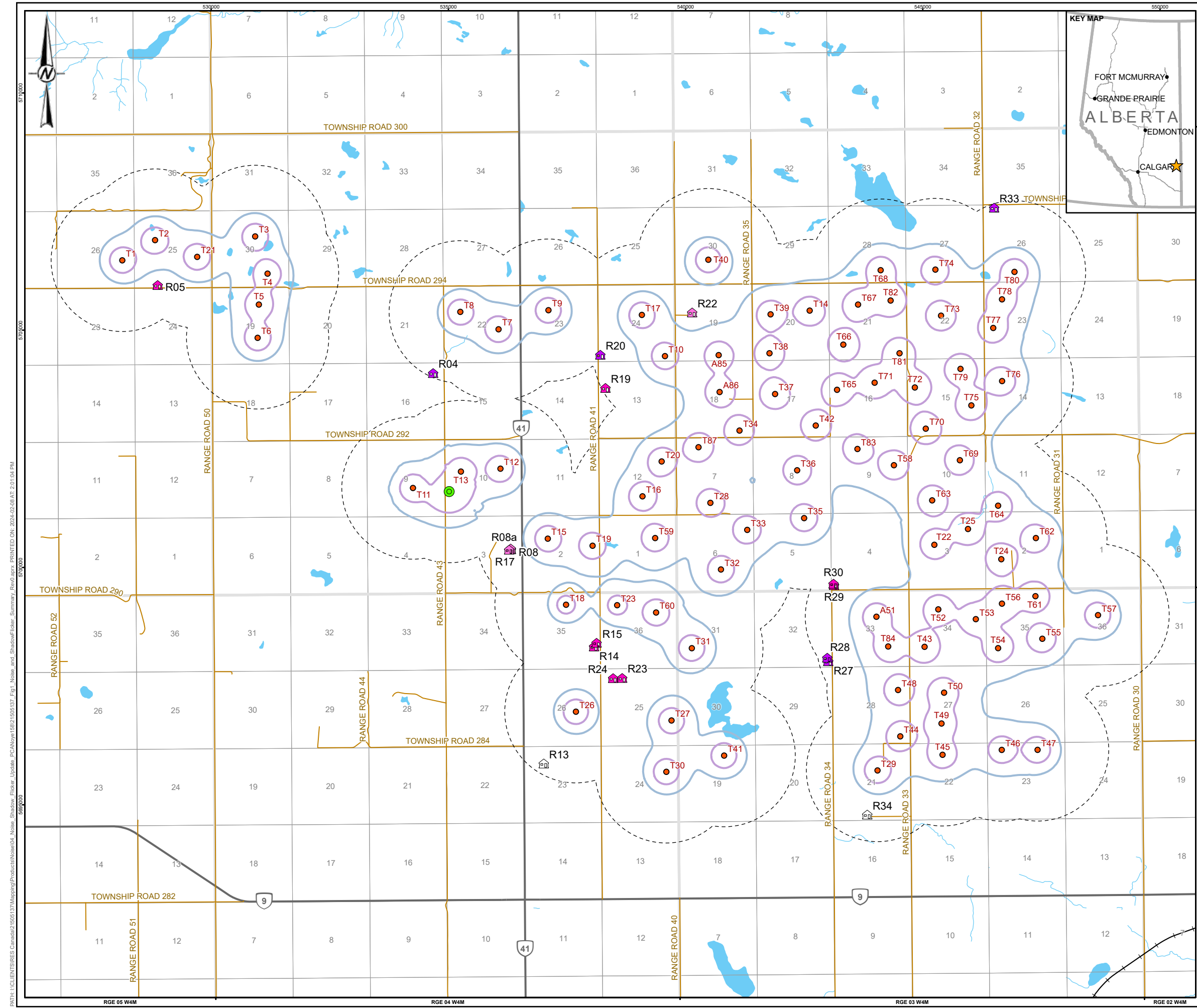
Coordinate System:
NAD 1983 UTM Zone 12N

0 2 4 Km

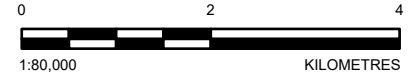
RENEWABLE ENERGY SYSTEMS CANADA INC.
5605 avenue de Gaspé, Suite 508
Montreal, QC, H2T 2A4

res
power for good

Data Sources:
CanVec12, Altalis, ArcGIS Online
Date: February 2024
Format: 11x17



- LEGEND**
- TURBINE LOCATION
 - SUBSTATION
 - PRIMARY HIGHWAY
 - LOCAL ROAD
 - WATERCOURSE
 - STUDY AREA (1500 m)
 - WATERBODY
- SHADOW FLICKER CATEGORY**
- LESS THAN 10 HOURS PER YEAR OF SHADOW FLICKER
 - LESS THAN 20 HOURS PER YEAR OF SHADOW FLICKER
 - LESS THAN 30 HOURS PER YEAR OF SHADOW FLICKER
 - NO SHADOW FLICKER
- PREDICTED PROJECT NOISE LEVEL (dBA)**
- 40
 - 45



NOTE(S)
 CONTOUR LINES REPRESENT THE PREDICTED NOISE CONTRIBUTION FROM THE OYEN WIND PROJECT IN ISOLATION FROM OTHER SOURCES. CONTOUR LINES REFLECT NIGHTTIME PROJECT OPERATIONS (10 PM TO 7 AM). CONTOUR LINES ARE PREDICTED FOR A RECEPTOR HEIGHT OF 1.5 M ABOVE GROUND, WHICH CORRESPONDS TO A ONE-STORY DWELLING.

REFERENCE(S)
 BASE DATA MAY BE OBTAINED FROM GEOGRATIS, © DEPARTMENT OF NATURAL RESOURCES CANADA. ALL RIGHTS RESERVED, ALTALIS LTD. © GOVERNMENT OF ALBERTA 2023. ALL RIGHTS RESERVED, OR S&P GLOBAL INC.
 PROJECTED COORDINATE SYSTEM: NAD 1983 UTM ZONE 12N

CLIENT
RENEWABLE ENERGY SYSTEMS CANADA INC.

PROJECT
OYEN WIND POWER PROJECT

TITLE
OYEN WIND PROJECT NOISE & SHADOW FLICKER SUMMARY

CONSULTANT	YYYY-MM-DD	2024-02-08
	DESIGNED	VY
	PREPARED	SP/LB
	REVIEWED	VY
	APPROVED	AF

PROJECT NO. CONTROL REV. FIGURE
 21505137 0 1

PATH: I:\CLIENTS\REGS Canada\21505137\Mapping\Products\Noise\04_Noise_Shadow_Flicker_Update_PC\Noise\15821505137_Fig_1_Noise_and_ShadowFlicker_Summary_Rev01.aprx PRINTED ON: 2024-02-08 AT: 2:01:04 PM

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B



Participating in the AUC's independent review process to consider facility applications

The AUC regulatory review process to consider facility applications for utility projects



The AUC uses an established process to review social, economic and environmental impacts of facility projects to decide if approval of a project is in the public interest.

The AUC considers applications requesting approval of the need for transmission development and facilities applications seeking approval to construct, operate, alter and decommission electric and natural gas facilities. Applications, as specified in AUC Rule 007, are required for:

- The need for transmission upgrades.
- The route and location of transmission facilities.
- The siting of power plants.
- The construction of a battery storage system.
- The designation of an industrial system.
- The need for and siting of natural gas utility pipelines.

Sometimes the Alberta Electric System Operator's needs identification document application is considered together with a facility application in a single proceeding; sometimes separate proceedings are held to consider each application.

Application review process



- Step 1: Public consultation prior to applying to the AUC
- Step 2: Application filed to the AUC
- Step 3: Public notice
- Step 4: Public submissions to the AUC
- Step 5: Consultation and negotiation
- Step 6: The public hearing process
- Step 7: The decision
- Step 8: Opportunity to appeal
- Step 9: Construction, operation and compliance

Application review process

Step 1: Public consultation prior to applying to the AUC



An applicant seeking approval of a proposed utility development project is required to engage in a participant involvement program prior to filing an application with the AUC. The public involvement program involves consultation with persons whose rights may be directly and adversely affected by the proposed project so that concerns may be raised, addressed and, if possible, resolved.

The application guidelines and requirements for facility applications can be found in AUC Rule 007: *Applications for Power Plants, Substations, Transmission Lines, Industrial System Designations, Hydro Developments and Gas Utility Pipelines*.

Potentially affected parties are strongly encouraged to participate in the public consultation, also called a participant involvement program. Early, active and ongoing discussions with an applicant may lead to greater influence on project planning and what is submitted to the AUC for approval.

Step 2: Application filed to the AUC



When the applicant has concluded its consultation with potentially affected parties and the participant involvement requirements have been completed, the applicant files its application through the AUC online public filing system, called the eFiling System.

AUC staff members review each application submitted to verify that all of the application requirements in Rule 007 have been met before an application is deemed complete. If all of the required information is not provided, the application may be closed or missing information will be requested of the applicant. Rule 007 specifies, among other requirements, that applicants must submit the results of a public involvement program in its application that includes information about how applicants consulted and notified stakeholders and Indigenous groups and identifies any unresolved objections and concerns about the project.

Step 3: Public notice



When the AUC receives an application it is assigned a proceeding number and the AUC generally mails a notice of application directly to those who live, operate a business or occupy land in the project area who may be directly and adversely affected if the AUC approves the application. The notice initiates the opportunity for formal intervention in the proceeding to consider an application or applications. The notice of application will also set out important dates and information about where to find the application and other items being considered. The five-digit eFiling System proceeding number in the notice is the most efficient way to find information about a proposed project through the AUC website.

Step 4: Public submissions to the AUC



Prior to the submission deadline provided in the notice, formal submissions of outstanding concerns and unresolved objections about a project may be submitted to the AUC. To submit a concern, participants will need to register to participate in the proceeding, which involves providing a brief written statement called a statement of intent to participate. Submissions are filed electronically through the eFiling System. The information filed becomes part of the public record and is an important part of the process to ensure that outstanding concerns are heard, understood and considered.

The AUC uses the information gathered through statement of intent to participate submissions to decide whether to hold a hearing on the application(s). The AUC must hold a hearing if a concerned person can demonstrate that they have rights that may be directly or adversely affected by the AUC's decision on the application. Such a person is said to have standing before the AUC. If the AUC decides to hold a hearing, the AUC will provide further opportunities for participants with standing to ask the applicant questions on the public record and present their position on the application either in writing or in person. Hearings may

be held in writing, in person or virtually through web-conference software.

AUC eFiling System

The eFiling System is the online tool that the AUC uses to manage applications and submissions in its proceeding-based review. The eFiling System gives access to all public documents associated with an application. The system is also used to submit your concerns and provide input to the AUC and can be used to monitor related proceeding filings. Those who do not have access to the internet can send submissions, evidence and other material by mail and the AUC will upload the submission on their behalf.

Step 5: Consultation and negotiation (if applicable)



The AUC supports efforts to reach a mutually agreeable outcome among the applicant and affected parties. The AUC encourages the applicant and those who have filed a statement of intent to participate to continue to attempt to resolve any outstanding issues. If all concerns can be satisfactorily resolved this may eliminate the need for a formal hearing. However, if there continues to be unresolved issues, those matters will typically be addressed in an AUC hearing.

Step 6: The public hearing process



The AUC will issue a notice of hearing if a person with standing continues to have legitimate unresolved concerns with the application. The notice of hearing will provide a hearing date and location, or specify if the hearing will be held in writing or virtually. When the AUC holds a public hearing, registered parties are given the opportunity to express their views directly to a panel of Commission members. Any member of the public can listen to an in-person or virtual oral hearing. An oral public hearing operates similar to a court proceeding.

Participants in a hearing can either represent themselves or be represented by a lawyer. In addition, participants may hire experts to assist in preparing and presenting evidence to support their position.

Cost assistance



A person determined by the AUC to have standing or a local intervener can apply for reimbursement of reasonable costs. Those who hire a lawyer or technical experts must be aware that while reimbursement for the costs of legal and technical assistance is available under AUC Rule 009: *Rules on Local Intervener Costs*, recovery of costs is subject to the AUC's assessment of the value of the contribution provided by the lawyer and technical experts in assisting the AUC to understand the specifics of the case. It is also subject to the AUC's published scale of costs.

People with similar interests and positions are expected and encouraged to work together to ensure that expenditures for legal or technical assistance are minimized and costs are not duplicated.

Step 7: The decision



The AUC's goal is to issue its written decision no more than 90 days after the close of record. The AUC can approve, or deny an application and can also make its approval conditional upon terms or conditions. AUC decisions are publicly available through the AUC website at www.auc.ab.ca.

Step 8: Opportunity to appeal



An applicant or participant in a proceeding may formally ask the Court of Appeal of Alberta for permission to appeal an AUC decision. An application for permission to appeal must be filed within 30 days from the date the decision is issued.

An applicant or participant in a proceeding can also ask the AUC to review its decision. An application to review a decision must be filed within 60 days from the date the decision is issued and satisfy the limited grounds described in AUC Rule 016: *Review of Commission Decisions*.

Step 9: Construction, operation and compliance



An applicant that receives approval to build and operate a facility from the AUC is expected to follow through on any commitments it has made to parties and must adhere to any conditions that were set out in that approval. If concerns about compliance with approval conditions and post-construction operations cannot be resolved with the applicant, they can be brought to the AUC's attention for consideration. The AUC has significant compliance and enforcement powers for all approved applications. Additional information is available on the AUC website.



The Alberta Utilities Commission is an independent, quasi-judicial agency of the government of Alberta that ensures the delivery of Alberta's utility services take place in a manner that is fair, responsible and in the public interest.

We are committed to ensuring that Albertans whose rights may be directly and adversely affected by a utility development project are informed of the application and have the opportunity to have their concerns heard, understood and considered.

Contact us

Phone: 310-4AUC
1-833-511-4282 (outside Alberta)
info@auc.ab.ca
www.auc.ab.ca

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