

# NORTHERN VALLEY WIND

## PROJECT INFORMATION UPDATE DECEMBER 2023



### ABOUT THE PROJECT

The Northern Valley Wind Project (the “Project”) is a 16-turbine wind energy project sited on private lands within the counties of Two Hills, St Paul, Vermilion River and located approximately 10 kilometers southeast of the Town of Elk Point. The Project is being developed by Northern Valley Wind GP Inc. a project entity owned by Elemental Energy Renewables Inc. (“Elemental”).

### PURPOSE OF THE PROJECT UPDATE

Elemental is providing this update as our final community update before submitting our AUC application in the coming weeks. This update includes changes to the Project size and layout, a proposed Electricity Cost Rebate Program and new information on our proposed Community Benefit Fund.

### CHANGES TO THE PROJECT

We have reduced the number of turbines from 17 to 16 turbines, resulting in a new nameplate capacity of 72 MW. Associated with this Project change, updated Project layout and shadow flicker maps are included in this package. Updated Noise and Shadow Flicker Assessment Reports will be posted on the Project’s website ([northernvalleywind.ca](http://northernvalleywind.ca)).

### ELECTRICITY COST REBATE PROGRAM

In response to feedback received from local residents, we are committed to delivering an electricity cost rebate program as a Project benefit for people living near the Project. For the duration of the Project’s operations, Elemental will provide an annual electricity bill rebate to residents living within 1,500 meters of a turbine.

If you are interested in participating or have questions about the Northern Valley Wind Electricity Cost Rebate Program, please get in touch with us.

### WHAT’S INCLUDED:

- About the Project
- Purpose of the Project update
- Changes to the Project
- Electricity Cost Rebate Program
- Community Benefit Fund
- Project timeline
- Proposed updated Project layout
- Shadow flicker results
- Who is the AUC?



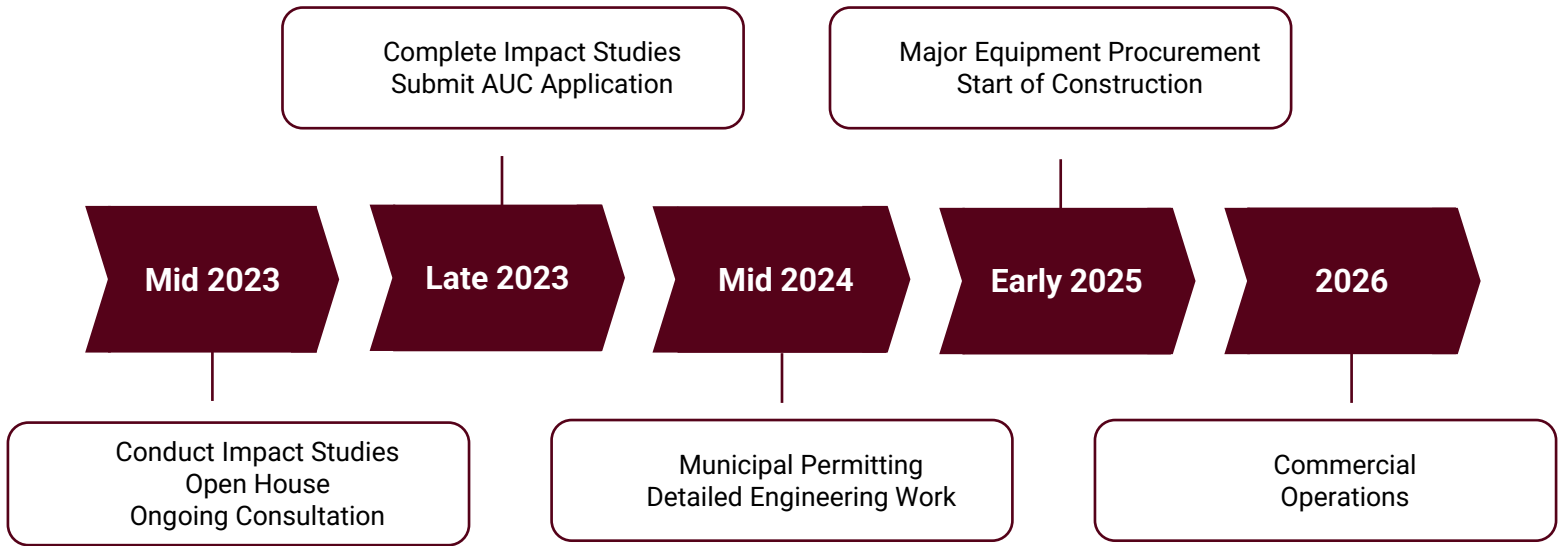
### COMMUNITY BENEFIT FUND

Elemental is committed to establishing a community benefit fund in collaboration with local organizations to support community led initiatives and programming. Community benefit funding suggestions raised through community engagement activities include:

- Funding for local recreation facilities such as the Elk Point AG Ross Arena
- Supporting after-school programs and youth scholarships

If you have further suggestions regarding community benefit fund opportunities or how the Project’s Community Benefit Fund should be allocated, please get in touch with us.

## ESTIMATED PROJECT TIMELINE



## NEXT STEPS

Elemental plans to file an AUC application for the Project in the coming weeks. Should you have any further questions or concerns, please contact us by December 15<sup>th</sup>, 2023. Project updates will continue as development progresses.

Once the application is filed, the AUC will review the information provided including all technical reports. They will also send a notice to all stakeholders and provide another opportunity for further stakeholder input.

Please do not hesitate to contact us to request additional Project information or further information on the AUC's process.

## STAY IN TOUCH

To sign-up for Project updates, please visit our website:  
[www.northernvalleywind.ca](http://www.northernvalleywind.ca)

If you have any questions or concerns, please contact our Development Manager, Liam Wolfe, by phone or email, using the information provided below:

**Liam Wolfe**

**Phone** - 1.604.648.6621

**Email** - [development@elementalenergy.ca](mailto:development@elementalenergy.ca)

## WHO IS 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 visit [www.auc.ab.ca](http://www.auc.ab.ca) or refer to the enclosed brochure.



### Privacy Statement:

Elemental is committed to protecting your privacy. Collected personal information will be protected under the provincial Personal Information Protection Act. As part of the regulatory process for new generation projects, Elemental may be required to provide your personal information to the AUC. For more information about how Elemental protects your personal information, contact us at [development@elementalenergy.ca](mailto:development@elementalenergy.ca)

**Legend**

- Road
- ▭ Project Area
- ▭ Municipal District and County
- ▭ Section
- Project Components**
- ▬ Collector Line
- ▭ Laydown
- ▭ Access Road
- ▭ Turbine Pad
- ▭ Operations Building
- ▭ Switchgear

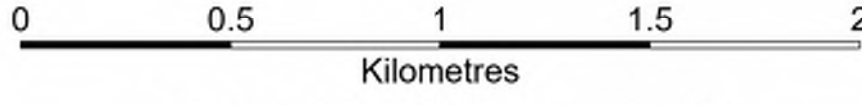
**Northern Valley Wind Power Project  
Project Layout**

**Northern Valley Wind Limited Partnership**

Data Sources

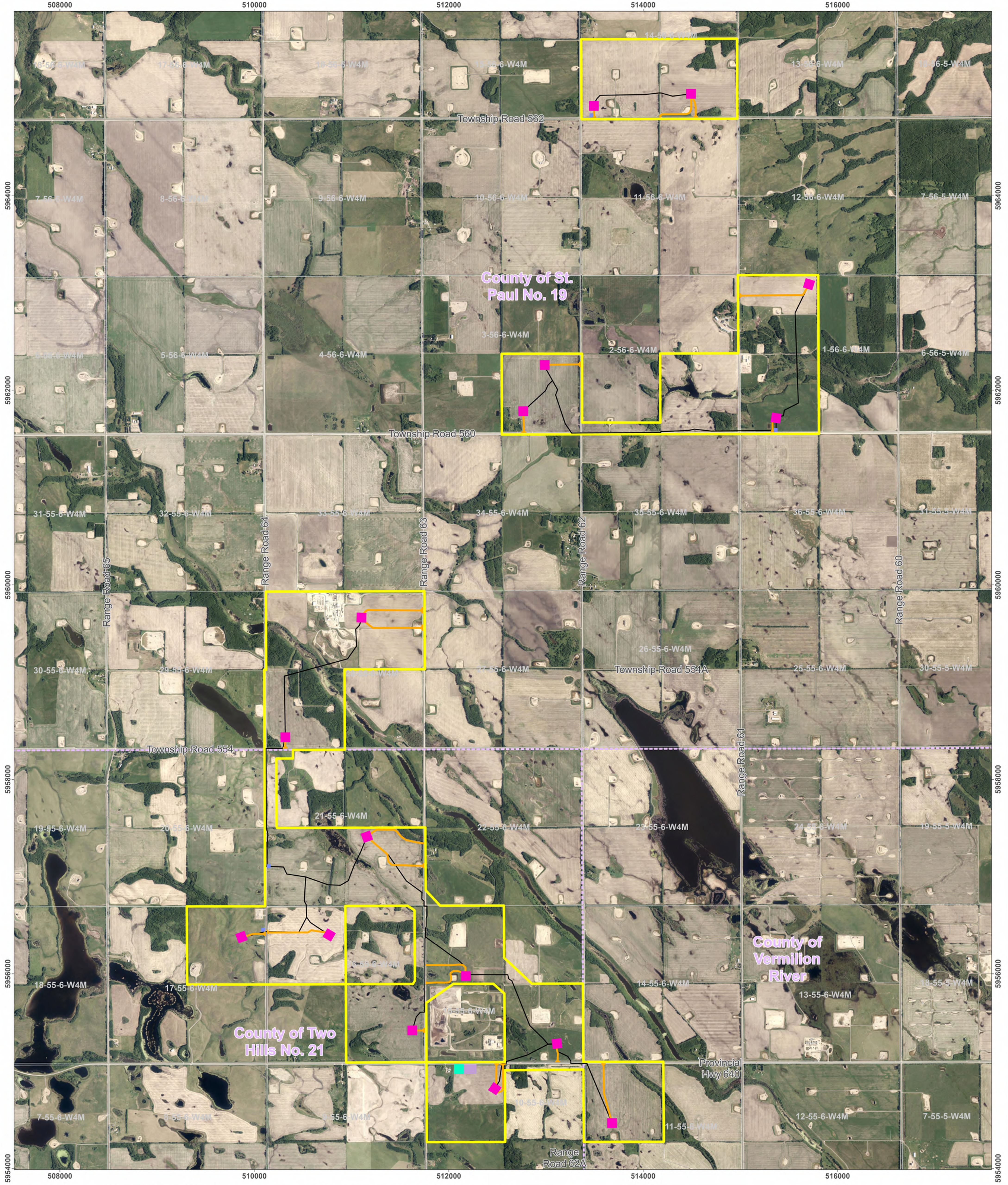
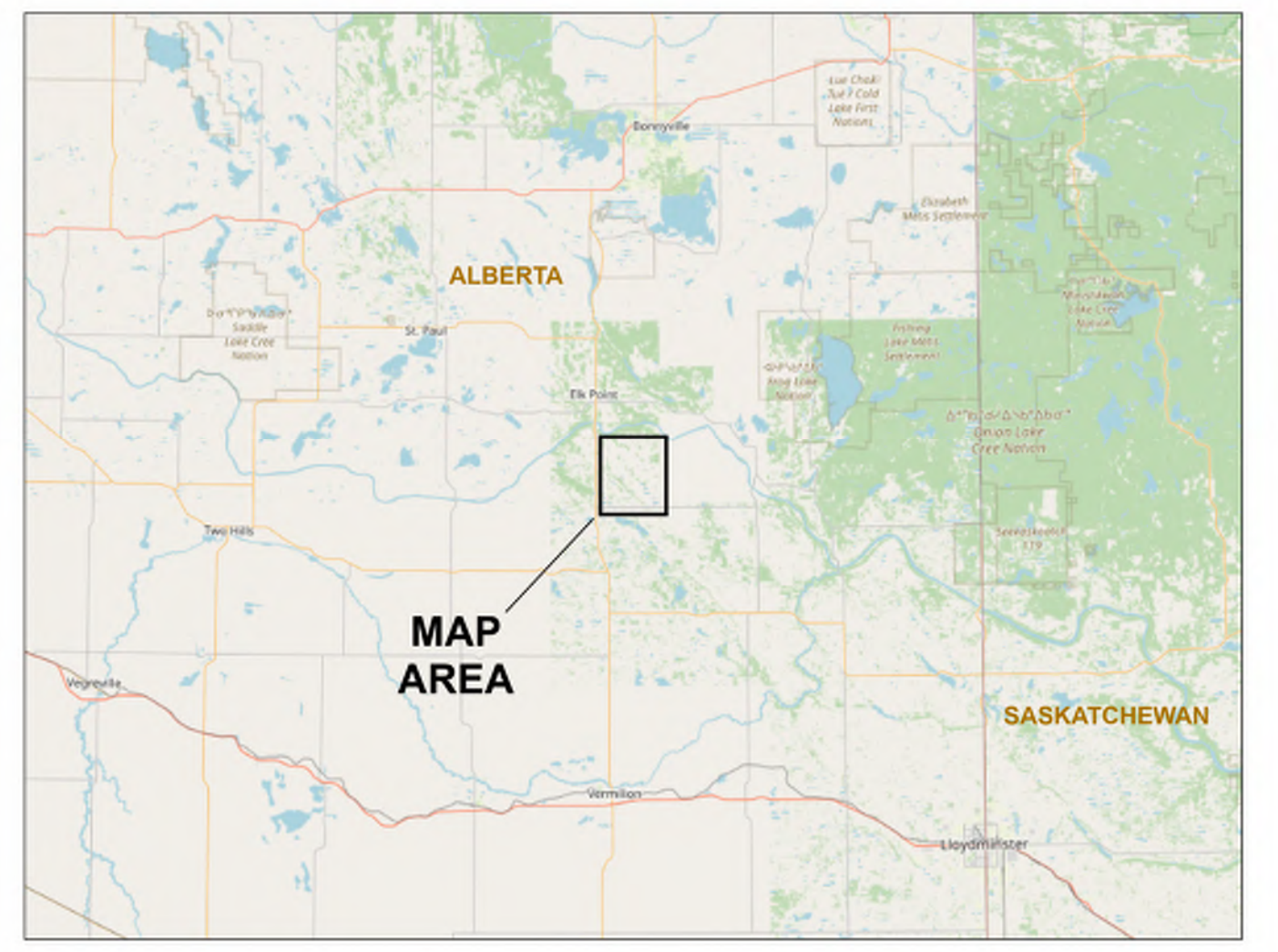
- Project Layout, Elemental Energy and EDI, November 24, 2023.
- ATS grid, AltaLIS 20K Base Features
- Inset Basemap, World Imagery: Vermilion River County, Maxar
- Main Basemap, OpenStreetMap: © OpenStreetMap (and) contributors, CC-BY-SA

Disclaimer  
 EDI Environmental Dynamics Inc. has made every effort to verify this map is free of errors. Data has been derived from a variety of digital sources and, as such, EDI does not warrant the accuracy, completeness, or reliability of this map or its data.



Map Scale 1:18,000 (printed on 11 x 17)  
 Map Projection: NAD 1983 UTM Zone 12N

Drawn: PH / OL / CT	Checked: J. Shalagan	Figure 1	Date: 2023-12-01
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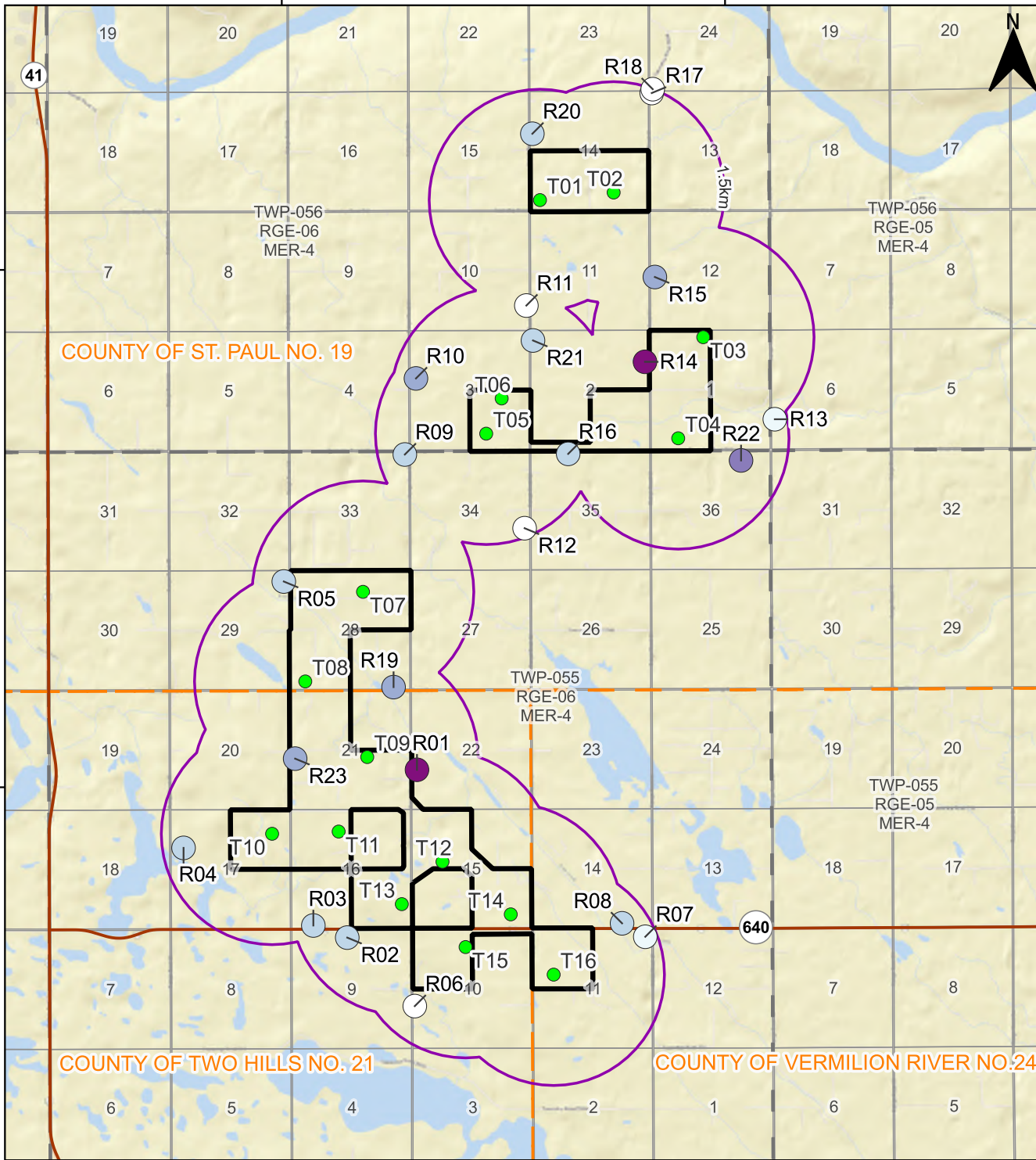
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Project Name: Northern Valley Wind Project

Document Title: Adjusted-Case Shadow Flicker Impact Map (with Mitigation)

Legend

- Project Turbine
- Highway
- Project Area
- 1.5km Study Area
- County Boundary
- Section
- Township

Shadow Flicker Receptor (hours/year)

- 0
- 0 - 5
- 5 - 10
- 10 - 15
- 15 - 20
- 20 - 25
- 25 - 30

Note: In this adjusted-case scenario, mitigation has been applied to reduce potential shadow flicker impacts. Under these conditions, annual shadow flicker does not exceed 30 hours/year at any of the evaluated receptors.

0 1 2 3 4 km



Coordinate System: EPSG:32612 - WGS 84 / UTM zone 12N  
Data Credits: Northern Valley Wind Limited Partnership, Green Cat Renewables Canada Corp., AltaLIS, ESRI

Client: Northern Valley Wind Limited Partnership  
Drawing by: Green Cat Renewables Canada Corp.

Document ID: NorthernValley\_AC\_SFImpact\_Mit  
 Version: 1.2  
 Author: JM  
 Checked by: SW  
 Approved by: SW  
 Date: 2023-11-30

