



Astuwicuwon Wind Power Project

Carleton North Council Meeting
July 2026



Énergie NB Power

BACKGROUND

- The Astuwicuwon Wind Power project is being developed by Eolectric Inc. and Sitansisk (St. Mary's) First Nation
- NB Power responsible to connect the project via 138kV transmission interconnection into the Beechwood terminal
- Selected from the 2023 Requests for Expression of Interest (REOI) for shovel ready Renewable Energy Generation and/or Energy Storage Solutions
- Received 24 submissions and signed Power Purchase Agreements for 5 projects
- Projects were selected based on the following:
 - A project's stage of development advanced submissions were preferred,
 - First Nations partnership
 - Use of Crown Land (for windfarm, not interconnection)
 - Proximity to existing NB Power transmission infrastructure



OPTIONS EVALUATED

Current recommendation

- 15.0 km long, 91 structures, 35 PIDs (23 unique owners)
- Less impact to agricultural lands than the alternates
- Construction cost estimated at \$9.3M

Alternative recommendation

- 16.1 km long, 101 structures, 51 PIDs (32 unique owners)
- Construction cost estimated at \$11.2M
- Increased exposure to wetlands and agriculture



Transmission Line Routing

**Considerations/criteria
when determining routing
of new transmission facilities**



PLANNING CRITERIA



Maximize use of
government owned land/
Crown where possible



Minimize use of
privately owned land
as much as possible



Avoid homes and
recreational lands
where possible

AREAS TO AVOID OR MITIGATE IMPACTS



Watercourses
and wetlands



Designated protected
watersheds and
wellfields



Conservation
lands



Areas with
topographic
constraints

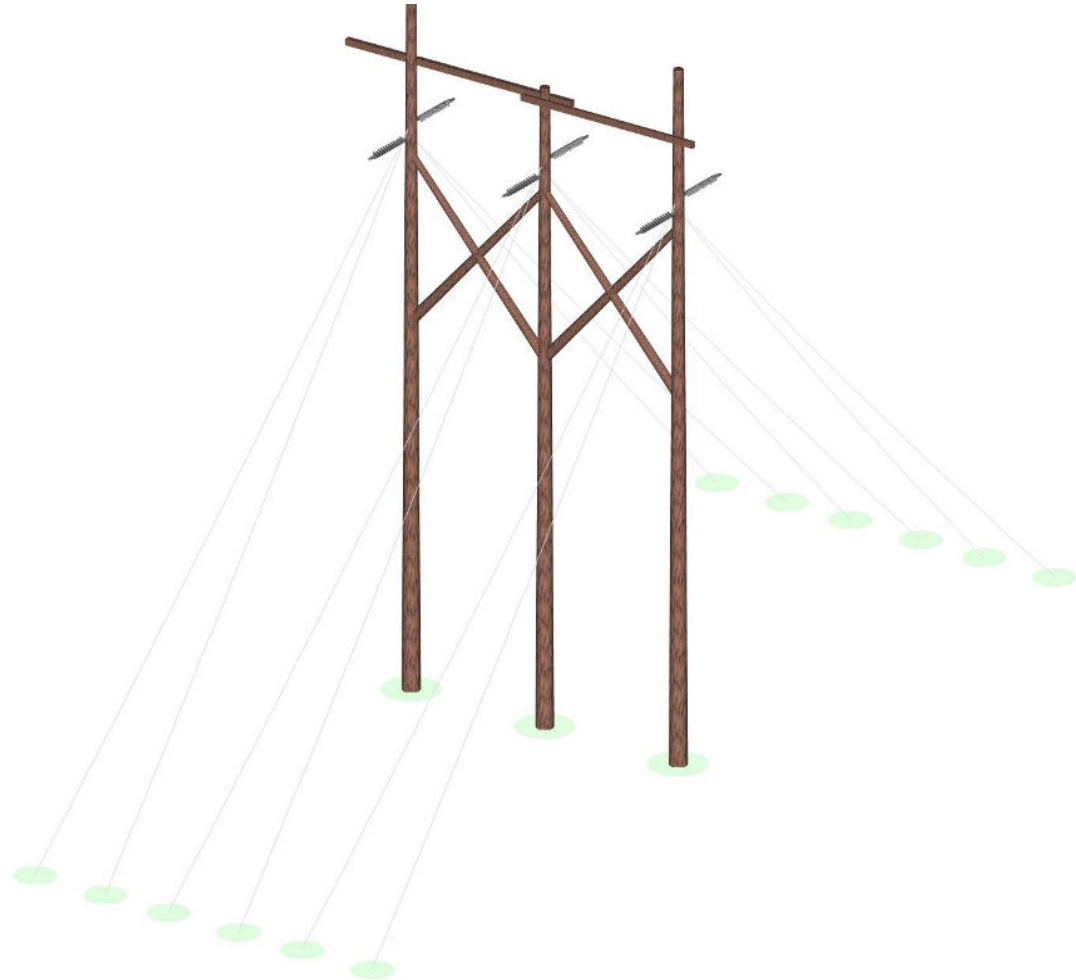
OTHER CONSIDERATIONS



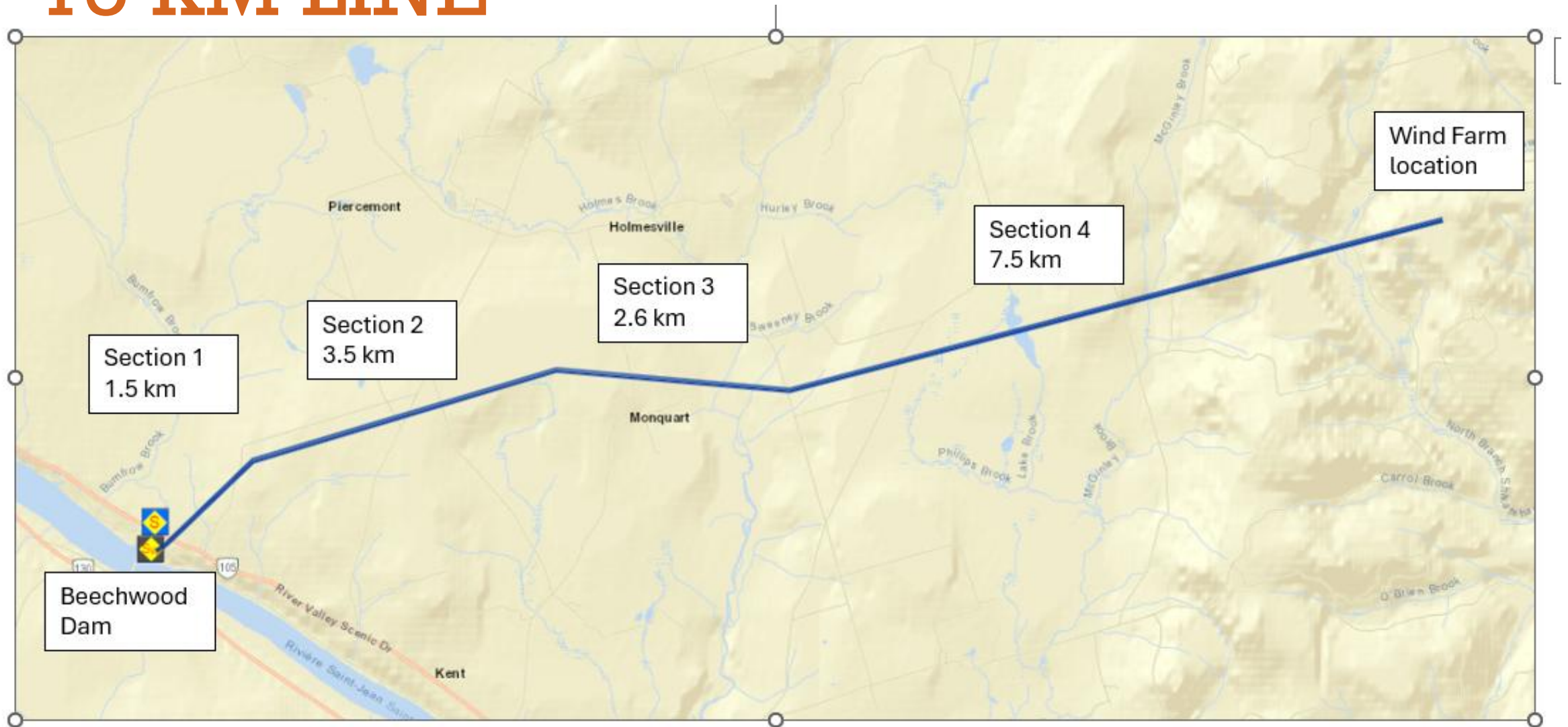
- Following property lines as much as possible
- Avoiding angles or directional changes
- 2-3 line routing options
- Access planning
- Transmission lines should be as straight as possible to be cost effective and improve reliability
- Other environmental constraints

STRUCTURES

The proposed transmission line will primarily use two and three pole construction. The transmission line will be operated at 138 kV and use two overhead ground wires to protect the line from lightning.



15 KM LINE



LAND RIGHTS

- Requirements are identified during project planning and final route selection for new transmission lines.
- We engage directly with affected private landowners to discuss the specific land rights
- Early-stage studies and investigations (environmental, archaeological, and geotechnical) may require landowner notification
- Land rights can include easements, leases, licences, permits, and/or land acquisition required to support the project.
- We are committed to respectful engagement and fair compensation
- Fully committed to and respectful of the farming community
- Make every reasonable effort to reach mutually acceptable agreements



SCHEDULE

Project Activities	Timeline
Approvals and Permits Acquisition	Fall 2024 – Spring 2026
Detailed Engineering	Spring 2026 – Fall 2026
Land Rights Acquisition	Fall 2025 – Fall 2027
Procurement of Materials	Fall 2025 – Winter 2028
Tendering Process	Winter 2027 – Summer 2027
Access and Staging Preparation	Winter 2027 – Summer 2027
Right of Way Clearing	Fall 2027 – Winter 2028
Transmission Line Construction	Winter 2028 – Summer 2028
Modifications/Upgrades to Beechwood Terminal	Spring 2028 – Summer 2028
Conductor Stringing	Summer 2028
Commissioning and Energization	Summer 2028





For more information:
www.astuwicuwon.com

THANK YOU
QUESTIONS?



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COMMUNICATIONS TO DATE

- April 9, 2025 - Letter sent to landowners to notify them that environmental studies will be taking place along the proposed corridor.
- October 23, 2025 - Letter sent to landowners inviting them to Eolelectric's open house.
- November 6, 2025 - Open house
- November 13, 2025 - Open house follow-up
- May 1, 2026 - Letter sent to landowners updating them of continued planning
- Ongoing discussions with landowners and local leadership

