

RANKIN INLET

WIND AND ENERGY STORAGE PROJECT

PROJECT OVERVIEW

Introducing a new wind energy project that would supply 30-40% of Rankin Inlet's electricity with locally-produced clean energy, reducing reliance on imported diesel fuel. This project is a step toward energy independence and offers powerful social, economic, and environmental opportunities for the Kivalliq Region.

PROJECT BENEFITS

Harnessing renewable wind power year-round



Providing energy storage for excess generation and backup



Reduced diesel reliance



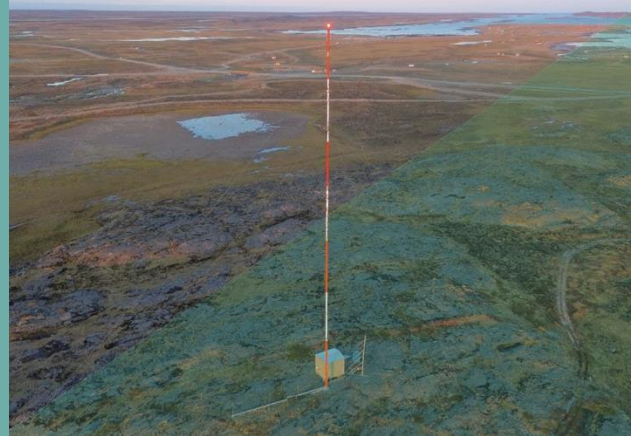
Reduced carbon emissions and diesel spills



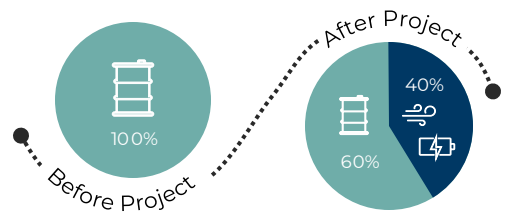
Local jobs & training



Community energy independence



ENERGY PRODUCTION



KEY INFORMATION

- ▶ **2-4 MW** Wind Energy and **1 MWh** Battery Storage
- ▶ **8,800-13,000 MWh/year** of electricity produced
- ▶ **2,700,000 L/year** of diesel displaced
- ▶ **179,000 tonnes** of CO₂e reduced over project lifetime
- ▶ Peak Production: **November-April**
- ▶ **25-year** project lifespan

WHAT THE DATA SAYS

- ▶ Wind data collected since 2018 shows consistent strong winds year-round
- ▶ **95%** of community survey respondents support clean energy
- ▶ Data shows significant CO₂e reduction potential with wind energy project



CONSTRUCTION TIMELINE



WINTER



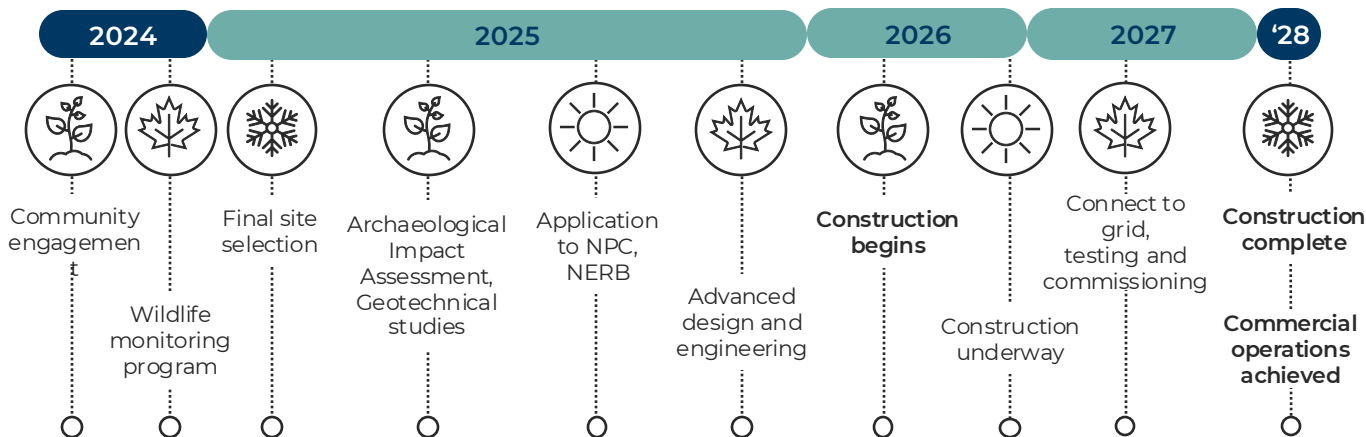
SPRING



SUMMER



FALL



UPCOMING COMMUNITY ENGAGEMENT ACTIVITIES



- **Town Halls:** Open forums for sharing project info and gathering community feedback. **Expected:** Fall '24
- **Wildlife Study Interviews:** In-depth conversations with local knowledge holders. **Expected:** Fall '24
- **Workshops:** In-depth discussions about topics related to the wind project. **Expected:** Fall '24
- **Energy 101 Seminar:** Training to expand local energy literacy, industry skills & capacity. **Expected:** Spring '25
- **Project Naming Contest:** Open competition for locals to name the wind energy project. **Expected:** Spring '25

STAY INFORMED



Contact Information

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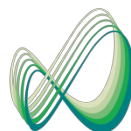


Website

www.kivalliqalternativeenergy.com



Please **check our website or with the Hamlet** for upcoming public info sessions and hiring opportunities



**KIVALLIQ
ALTERNATIVE
ENERGY**

Powering a brighter future in Rankin Inlet through clean energy generation.

PROJECT PARTNERS



Sakku Investments Corporation
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**NORTHERN
ENERGY
CAPITAL**

