

# BAKER LAKE

## WIND AND ENERGY STORAGE PROJECT

### PROJECT OVERVIEW

Introducing a new wind energy project that would supply 30-40% of Baker Lake'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



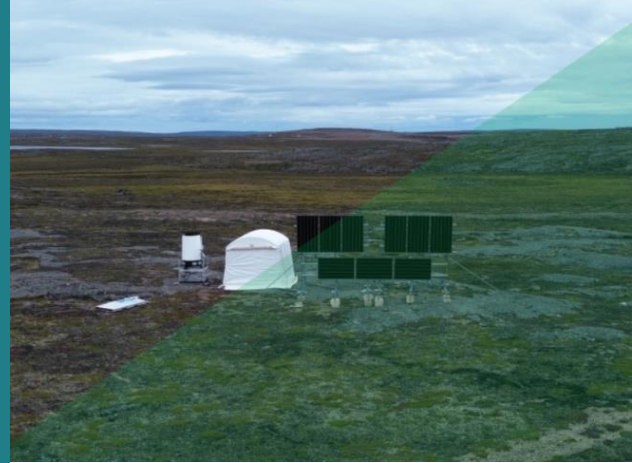
Reduced carbon emissions and diesel spills



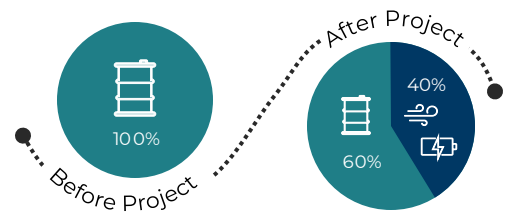
Local jobs & training



Community energy independence



### ENERGY PRODUCTION



### KEY INFORMATION

- ▶ **2 MW** Wind Energy and **1 MWh** Battery Storage
- ▶ **3,000-6,000 MWh/year** of electricity produced
- ▶ **1,160,000 L/year** of diesel displaced
- ▶ **76,700 tonnes** of CO<sub>2</sub>e reduced over project lifetime
- ▶ Peak Production: **November-April**
- ▶ **25-year** project lifespan

### WHAT THE DATA SAYS

- ▶ Wind data collected since 2022 shows consistent strong winds year-round
- ▶ **95%** of community survey respondents support clean energy
- ▶ Data shows significant CO<sub>2</sub>e reduction potential with wind energy project



# CONSTRUCTION TIMELINE



WINTER



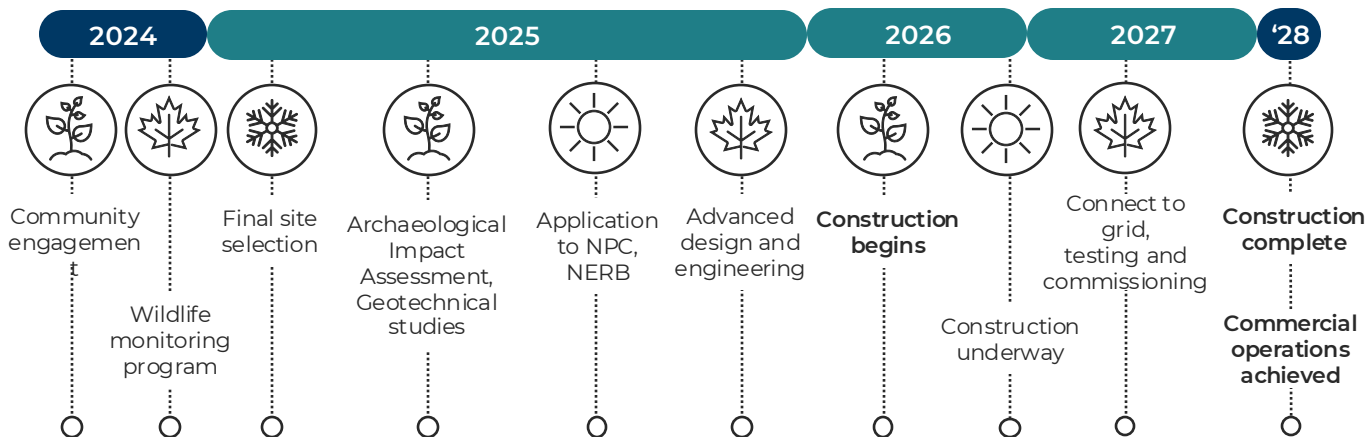
SPRING



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

[contact@kivalliqalternativeenergy.com](mailto:contact@kivalliqalternativeenergy.com)



### Website

[www.kivalliqalternativeenergy.com](http://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 Baker Lake through clean energy generation.*

## PROJECT PARTNERS



**Sakku Investments Corporation**  
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**NORTHERN  
ENERGY  
CAPITAL**

