

CHESTERFIELD INLET WIND DATA COLLECTION + NET-ZERO FEASIBILITY PROJECT



Powering a brighter future with renewable energy

PROJECT OVERVIEW

Introducing an innovative feasibility project exploring the potential for a 100% carbon neutral electrical system in Chesterfield Inlet. In tandem with ongoing collection of community-specific wind data and local capacity building, this shortlisted project, if approved, will research an array of clean energy solutions that will boost energy independence, eliminate community reliance on imported diesel fuels for electricity, and introduce powerful social, economic, and environmental opportunities for the Kivalliq Region.

PROJECT BENEFITS

Harnessing renewable power year-round through a potential combination of wind, solar, battery and hydro energy



Providing energy storage for excess generation and backup



Reduced diesel reliance



Reduced carbon emissions and diesel spills



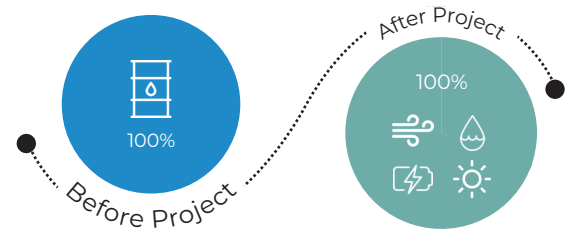
Local jobs & training



Community energy independence

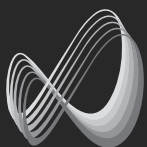


ENERGY PRODUCTION



KEY ACTIVITIES

- ▶ 1 year of wind data collection from September 2023 – September 2024
- ▶ Local capacity-building through a 'Renewable Energy 101' training program
- ▶ Comprehensive resource assessment and feasibility study delivered to Mayor and Council
- ▶ Shortlisted for funding to support a revised Community Energy Plan (CEP) aimed at Net-Zero transition.



KIVALLIQ
ALTERNATIVE
ENERGY

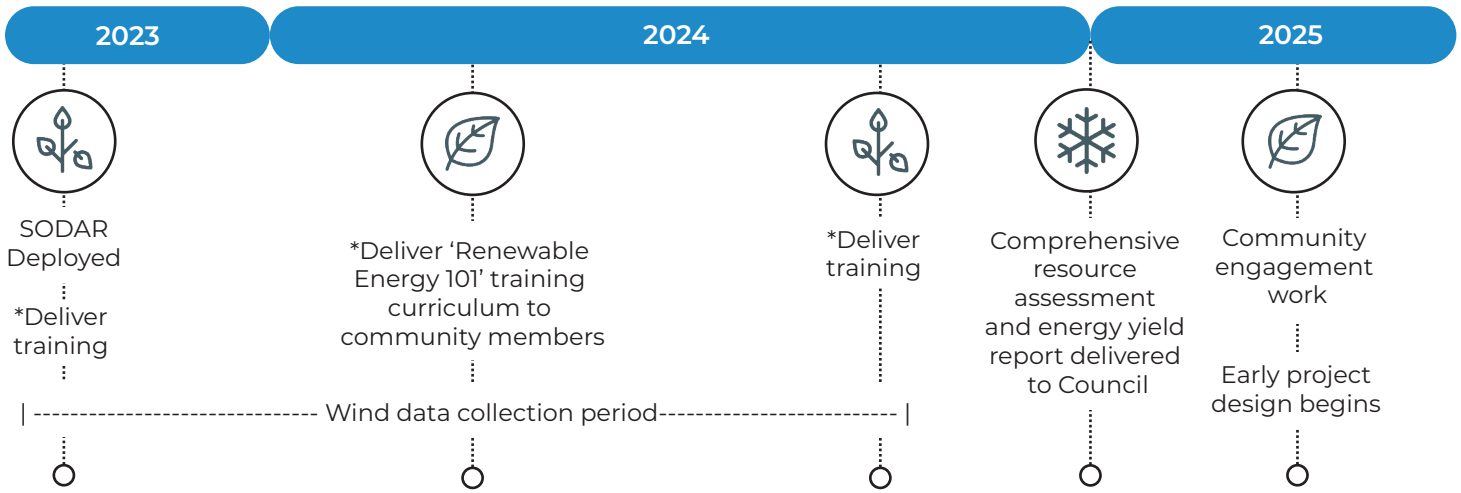
DEVELOPMENT TIMELINE

❄️ WINTER

🌱 SPRING

☀️ SUMMER

🍂 FALL



WHAT'S NEXT?

If funding is secured, KAE will initiate planning to develop Chesterfield Inlet as Nunavut's first 100% Net-Zero community. Potential initiatives would include:

- Launching a revised Community Energy Plan starting summer 2024
- Community engagement, open houses, meetings with Council
- Net-Zero technological, environmental and social review
- Phase 1 Project Planning: Supply locally produced clean energy for 33-66% of total energy demand
- Phase 2 Project Planning: Supply locally produced clean energy for 66%-100% of total energy demand

STAY INFORMED



Contact Information

contact@kivalliqalternativenergy.com



Website

www.kivalliqalternativeenergy.com



Please check our website

or with the Hamlet for upcoming public information sessions and hiring opportunities

This project is a step towards a brighter, cleaner future for Chesterfield Inlet.

Join us in this journey.

PROJECT PARTNERS



Sakku Investments Corporation
ᓱᓴᓴ ᓱᓱᓱᓱᓱᓱᓱᓱ ᓱᓱᓱᓱᓱᓱᓱᓱ



NORTHERN
ENERGY
CAPITAL



ᓱᓱᓱᓱ ᓱᓱᓱᓱᓱᓱᓱᓱ
NUNASI
CORPORATION