



# Proposed Route



<b>Proposed Route</b>	● Mine Sites	⊥⊥⊥ Rail	Alternative Interconnection Study Area
— Main 230kV Line	■ Communités	— Roads	Water
— Medium Voltage Line	◆ Converter Station	⋮ Baker Lake North (under review)	
— Initial Proposed Interconnection & Route			

Created by: K. Ulrich    Data: NRCan    geopackage:R:\GIS\%20Geodata\P906\Geopackage\KHFLP.gpkg?projectName=KHFLP\_Letter%20size

NUKIK CORPORATION  
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InterGroup  
CONSULTANTS

# Hydro Power Generation and Transmission Lines



EXISTING MANITOBA GENERATING STATIONS

TRANSMISSION

- Typical suspension transmission tower
- Height is 55m/180ft
- Average of 400m or a quarter mile between towers



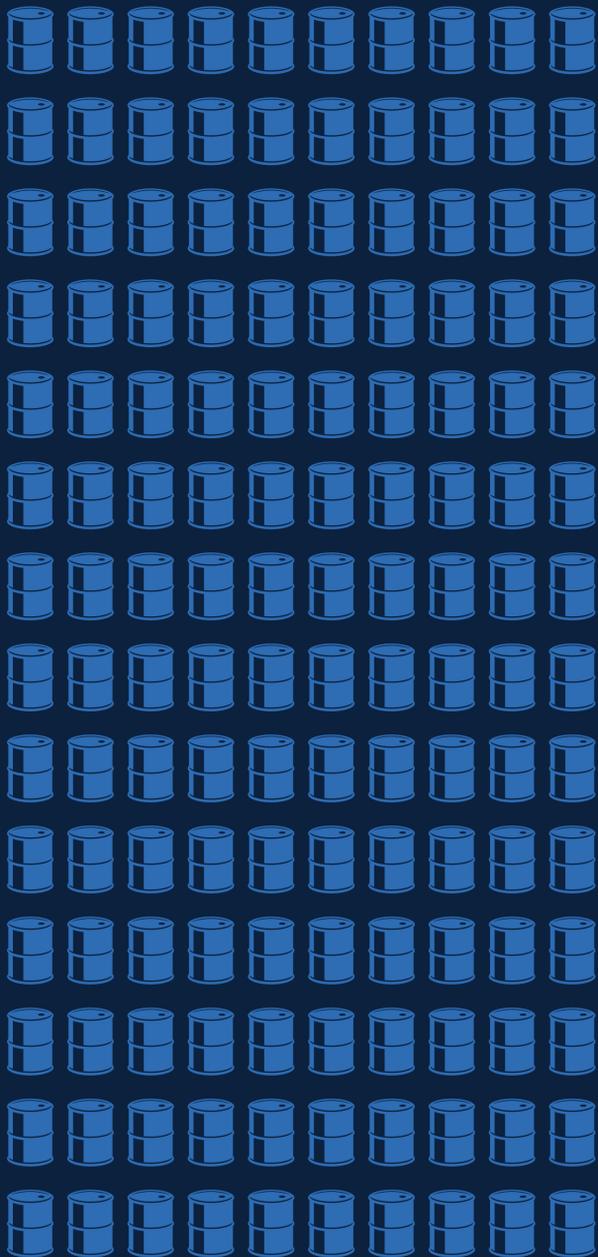
KIVALLIQ SUBSTATIONS



CURRENT COMMUNITY SYSTEMS

# Why Is The KHFL Important?

Over 100 million litres of diesel fuel are shipped to Kivalliq communities each year



These fuel shipments **impact the waters** and threaten marine wildlife



This **fuel is burned** 365 days a year to power and heat all homes, businesses, and schools in the region



The transportation on land of all this fuel can lead to leaks and **impacts wildlife**



**Pollutants** from the diesel plants are affecting land, water, and wildlife each day



Emissions from burning diesel are the greatest contributor to greenhouse gas in Nunavut. The **Arctic is warming faster** than anywhere else on earth and action is needed

# How Did The KHFL Begin?



## Before the creation of Nunavut

Inuit Elders, Manitoba First Nations and government discuss connecting Nunavut to North America with a road and transmission line



## 1999-2000

Government studies potential of building a road to Manitoba



## 2018

Kivalliq Inuit Association decides to prioritize transmission line



## 2019-2021

Funding secured to advance planning of KHFL. Partnerships established



## 2022-2024

Nukik established to lead KHFL through development and financing



KIA Board meeting, Arviat 2020



## Good for our **People**



**100% Inuit-led company** that will focus on issues that are important to the north and its people



New training opportunities in **energy and telecommunications**



**Create employment** and business opportunities for Nunavummiut



Faster and more reliable internet will unlock new opportunities for **better healthcare and education**



## Good for **Environment**



Protect arctic waters by **reducing diesel shipments**



**Protect our land** from spills transporting diesel and oils



Reduce diesel pollution affecting **land, water, and wildlife**



**Help our climate** by reducing greenhouse gas emissions



## Good for **Economy**



Access to **reliable clean energy** and fibre-optic broadband will improve competitiveness of Kivalliq businesses



**New business opportunities** during construction and operation of the KHFL



**Transmission line** could make other renewable energy projects more viable and allow for electricity sales to the south



Nukik Corporation will provide the wholesale **power to Qulliq Energy Corporation**

# Project Timeline

Opportunities to get information, provide feedback, and participate in the planning process:



# Accomplishments in 2023-24



**ENGAGEMENT** – met with communities in the Kivalliq and northern Manitoba to share project information



**WILDLIFE** – collected caribou and others through trail camera and collar data



**SOCIO-ECONOMIC** – reviewed employment, education, housing and other human environment topics in Kivalliq communities



**PHYSICAL LANDSCAPE** – studied soil & permafrost to help identify route options



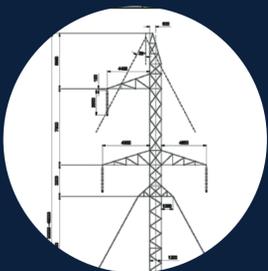
**HERITAGE** – reviewed heritage potential to help identify route options



**AQUATIC** – reviewed marine environment



**TRADITIONAL KNOWLEDGE** – compiled map interviews, surveys, and audio recording to verify



**ENGINEERING** – developed tower and system design



**GOVERNMENT RELATIONS** – continued discussions with federal, provincial, and territorial governments

# What We Heard

Last year, we gathered feedback from communities to better understand what was important for the project to focus on.

Key areas of interests for both Kivallirmiut and northern Manitobans



Employment and Training Opportunities



Wildlife and Wildlife Habitat



Land Based Activities, such as hunting, fishing, trapping, and sewing



# Trail-Cam Images



