

Total Person days: 2500

Operations Phase: from 2021-03-20 to 2021-10-19

Operations Phase: from 2021-10-19 to 2041-10-19

Post-Closure Phase: from to

$\Lambda \subset \mathbb{N} \triangleleft \mathbb{N} \hookrightarrow \mathbb{D}_\sigma \triangleleft {}^{\aleph_b} \mathbb{D}^c$ [illegible]

መረጃ ለፔሪዮድዎች መሰረድ ለጸሐፊዎች/ሪፖርተሮች ለፔሪዮድዎች

ሙያዊ	ሰነድ	ፎክሎር/ጥበቃ	ክፍል ገንጠብ/ፎክሎር
ፔሪዮድ	Sheldon Dorey	Baker Lake Hamlet Council	2018-10-01
ፎክሎር	Martha Lenio	WWF Canada	2018-05-15
ፎክሎር	Kevin Sanguin	Sakku Development Corporation	2017-09-15
ፎክሎር	David Kakuktinniq	Sakku Development Corporation	2018-06-20

ᓕᓐᓂᓐ ᓂᓐᓂᓐ ᓂᓐᓂᓐ ᓂᓐᓂᓐ

ᓂᓐᓂᓐ ᓂᓐᓂᓐ ᓂᓐᓂᓐ ᓂᓐᓂᓐ

Kivalliq

ᓕᓐᓂᓐ ᓂᓐᓂᓐ ᓂᓐᓂᓐ ᓂᓐᓂᓐ

ᓂᓐᓂᓐ ᓂᓐᓂᓐ ᓂᓐᓂᓐ ᓂᓐᓂᓐ	ᓂᓐᓂᓐ ᓂᓐᓂᓐ ᓂᓐᓂᓐ ᓂᓐᓂᓐ	ᓂᓐᓂᓐ ᓂᓐᓂᓐ ᓂᓐᓂᓐ	ᓂᓐᓂᓐ ᓂᓐᓂᓐ ᓂᓐᓂᓐ	ᓂᓐᓂᓐ ᓂᓐᓂᓐ ᓂᓐᓂᓐ
ᓂᓐᓂᓐ ᓂᓐᓂᓐ ᓂᓐᓂᓐ ᓂᓐᓂᓐ	Authorization to erect the Meteorological Tower in Baker Lake.	Active	2018-11-21	
ᓂᓐᓂᓐ	NAVCAN: Authorization to erect the Meteorological Tower in Baker Lake.	Active	2019-01-06	
ᓂᓐᓂᓐ ᓂᓐᓂᓐ ᓂᓐᓂᓐ ᓂᓐᓂᓐ	Authorization to erect the Meteorological Tower in Rankin Inlet	Active	2018-05-14	
ᓂᓐᓂᓐ	NAVCAN: Authorization to erect the Meteorological Tower in Rankin Inlet	Active	2018-04-30	
ᓂᓐᓂᓐ ᓂᓐᓂᓐ ᓂᓐᓂᓐ ᓂᓐᓂᓐ	Land Use Permit for Rankin Inlet Site	Active	2018-06-14	
ᓂᓐᓂᓐ ᓂᓐᓂᓐ ᓂᓐᓂᓐ ᓂᓐᓂᓐ	Land Use Permit for Baker Lake Site	Active	2019-04-01	2021-03-31
ᓂᓐᓂᓐ	With the go ahead to proceed with the clean energy project, authorization from NavCan will be required for erection of the wind turbines.	Not Yet Applied		
ᓂᓐᓂᓐ ᓂᓐᓂᓐ ᓂᓐᓂᓐ ᓂᓐᓂᓐ	With the go ahead to proceed with	Not Yet Applied		

ᐃᐱᐱᐅᓂᐱᖃᐱᖅ

ᐱᖃᐱᖅ ᐱᖃᐱᖅ ᐱᐱᐱᐅᓂᐱᖃᐱᖅ ᐱᐱᐱᐅᓂᐱᖃᐱᖅ ᐱᐱᐱᐅᓂᐱᖃᐱᖅ, ᐱᐱᐱᐅᓂᐱᖃᐱᖅ, ᐱᐱᐱᐅᓂᐱᖃᐱᖅ, ᐱᐱᐱᐅᓂᐱᖃᐱᖅ

ᐱᖃᐱᖅ ᐱᖃᐱᖅ ᐱᐱᐱᐅᓂᐱᖃᐱᖅ ᐱᐱᐱᐅᓂᐱᖃᐱᖅ	ᐱᐱᐱᐅᓂᐱᖃᐱᖅ	ᐱᐱᐱᐅᓂᐱᖃᐱᖅ - ᐱᐱᐱᐅᓂᐱᖃᐱᖅ	ᐱᐱᐱᐅᓂᐱᖃᐱᖅ
Bulldozer	1	D8 or equivalent	Road upgrading, site preparation
Excavator	2	300 series or smaller	site prep, road building, equipment handling
Dump truck	2	standard	movement of material for access upgrading and site prep
Grader	1	standard	access upgrading and development
Cement truck	2-4	standard	used to pour tower foundations
Water truck	1	standard	to supply water to rock drills from a municipal source
rock drills	1	small	to drill bedrock for blasting or direct anchor placement
skid steer and/or boom lift	1	standard	these will be used to move materials around at the laydown areas
Cranes	2	250-400 tonne main crane and a 90 tonne small crane	used for wind tower assembly

ᐱᐱᐱᐅᓂᐱᖃᐱᖅ ᐱᐱᐱᐅᓂᐱᖃᐱᖅ ᐱᐱᐱᐅᓂᐱᖃᐱᖅ ᐱᐱᐱᐅᓂᐱᖃᐱᖅ

ᐱᐱᐱᐅᓂᐱᖃᐱᖅ ᐱᐱᐱᐅᓂᐱᖃᐱᖅ ᐱᐱᐱᐅᓂᐱᖃᐱᖅ	ᐱᐱᐱᐅᓂᐱᖃᐱᖅ ᐱᐱᐱᐅᓂᐱᖃᐱᖅ	ᐱᐱᐱᐅᓂᐱᖃᐱᖅ ᐱᐱᐱᐅᓂᐱᖃᐱᖅ	ᐱᐱᐱᐅᓂᐱᖃᐱᖅ ᐱᐱᐱᐅᓂᐱᖃᐱᖅ	ᐱᐱᐱᐅᓂᐱᖃᐱᖅ	ᐱᐱᐱᐅᓂᐱᖃᐱᖅ	ᐱᐱᐱᐅᓂᐱᖃᐱᖅ
Diesel	fuel	1	500	500	Liters	Power equipment (Construction Phase)
Gasoline	fuel	1	205	205	Liters	Small gas powered equipment
Propane	fuel	1	100	100	Lbs	Propane heaters (if required)

ᐱᐱᐱᐅᓂᐱᖃᐱᖅ ᐱᐱᐱᐅᓂᐱᖃᐱᖅ

ᐱᐱᐱᐅᓂᐱᖃᐱᖅ ᐱᐱᐱᐅᓂᐱᖃᐱᖅ	ᐱᐱᐱᐅᓂᐱᖃᐱᖅ ᐱᐱᐱᐅᓂᐱᖃᐱᖅ	ᐱᐱᐱᐅᓂᐱᖃᐱᖅ ᐱᐱᐱᐅᓂᐱᖃᐱᖅ
------------------------	------------------------	------------------------

0	Water needed by equipment will be sourced by our contractors through their regular channels. Water requirements are expected to be minimal. No other water will be required on site.	
---	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--

$\triangleleft^b C d^c$
$$\Delta^b C d_C \sim \sigma \Delta^q \sigma^q$$

ᐱᓕᓂᑦᐸᓇᐅᓪᐳᒃᐱᓪᐳᑦ ᐱᓕᓂᑦᐸᓇᐅᓪᐳᑦᐸᓇᐅᓪᐳᑦ	ᖃᓄᐱᓪᐳᑦ ᑦᐸᓇᐅᓪᐳᑦ	ᖃᓄᐱᓪᐳ ᑥᓇᐸᓇᐅᓪᐳᑦ ᖃᓄᐱᓪᐳ ᑥᓇᐸᓇᐅᓪᐳᑦ	ᖃᓄᐱᓪᐳ ᑥᓇᐸᓇᐅᓪᐳᑦ ᑥᓇᐸᓇᐅᓪᐳᑦᐸᓇᐅᓪᐳᑦ	ᖃᓄᐱᓪᐳ ᑥᓇᐸᓇᐅᓪᐳᑦ ᑥᓇᐸᓇᐅᓪᐳᑦᐸᓇᐅᓪᐳᑦ
Equipment installation	ᑥᓇᐸᓇᐅᓪᐳᑦ ᑥᓇᐸᓇᐅᓪᐳᑦᐸᓇᐅᓪᐳᑦ	1 tonne maximum	General construction waste. No waste storage will occur on site. Waste will consist of general construction waste and will be disposed of at the local municipal waste facilities. No hazardous waste will be produced.	None.

4907DC⁵ 4^b5^bCD⁵LD⁵

No predicted negative environmental impacts. This project is anticipated to significantly reduce the amount of diesel combustion in the Kivalliq region, and will therefore limit the amount of possible fuel spills as well as the need to ship significant amounts of fuel. This will improve the overall environmental health of the region.

Additional Information

SECTION A1: Project Info

SECTION A2: Allweather Road

SECTION A3: Winter Road

SECTION B1: Project Info

SECTION B2: Exploration Activity

SECTION B3: Geosciences

SECTION B4: Drilling

SECTION B5: Stripping

SECTION B6: Underground Activity

SECTION B7: Waste Rock

SECTION B8: Stockpiles

SECTION B9: Mine Development

SECTION B10: Geology

SECTION B11: Mine

SECTION B12: Mill

SECTION C1: Pits

SECTION D1: Facility

SECTION D2: Facility Construction

SECTION D3: Facility Operation

SECTION D4: Vessel Use

SECTION E1: Offshore Survey

SECTION E2: Nearshore Survey

SECTION E3: Vessel Use

SECTION F1: Site Cleanup

SECTION G1: Well Authorization

SECTION G2: Onland Exploration

SECTION G3: Offshore Exploration

SECTION G4: Rig

SECTION H1: Vessel Use

SECTION H2: Disposal At Sea

SECTION 11: Municipal Development

$\dot{L}^{\infty}_x \nabla \varphi \cap D^{1,p}_{\sigma}(\mathbb{R}^d) \subset L^{\infty}_x D^{1,p}_{\sigma}(\mathbb{R}^d)$: $\text{meas } D^{1,p}_{\sigma}(\mathbb{R}^d)$

This section outlines the general condition of each site including existing infrastructure and physiological characteristics. Both the Rankin Inlet and Baker Lake sites exist within the local municipal boundaries for those respective communities and within pre-disturbed areas. Both sites consist of gently undulating shallow soils with little to no vegetation. Bedrock exists at or near ground surface at both sites.

ᐱᓐᓇ ᐱᑦᐅᐅᑦ ᑭᓪᓂᐱᑦᑐᑦ ᓇᓇᐅᑦᓂᑭᑦ: ᐅᐱᐱᑭᑦᑭᑦᑭᑦᑭᑦ

Described in part above.

[illegible]

Community consultation is on-going. So far the feedback from both the Baker Lake and Rankin Inlet communities has been very positive. This project will grow and continue to employ two full-time workers at each site. The construction phase will also allow for additional employment, which will be sourced primarily from the Hamlets. Outside workers will require lodging and meals from the Hamlet during the construction phase and provide economic benefits during that time.

Miscellaneous Project Information

[illegible]

The impacts from this project are largely positive. The positive impact of diversification of the communities energy generation will take some of the load off of the aging power plants. This project represents Nunavut's first big step into clean energy will be a landmark project for the territory. This project will reduce the reliance of diesel to generate electricity in these communities, reducing all the risks associated with shipping, storing, and burning large quantities of fossil fuels.

Cumulative Effects

The life of a wind farm is typically 25-30 years. Rankin Inlet and Baker Lake will benefit from this infrastructure for future generations.

Impacts

$\omega \rightarrow \omega \Delta^{\epsilon_b} C D \sigma^{\epsilon_c} \Gamma^c$ $\Delta^c \cap \Gamma D C \dot{\sigma}^c \dot{\gamma}^c$ $\Delta^b \dot{\gamma}^b C D \Gamma L \dot{\gamma}^c$

[illegible]
$$(P = \langle b \rangle \dot{\cup} P \cap \langle a \rangle^c, N = \langle b \rangle \cap \langle \langle \langle \langle a \rangle^c \rangle^c \rangle^c \rangle^c \langle \langle \langle \langle a \rangle^c \rangle^c \rangle^c \rangle^c \rangle^c, M = \langle b \rangle \cap \langle \langle \langle \langle a \rangle^c \rangle^c \rangle^c \rangle^c \langle \langle \langle \langle a \rangle^c \rangle^c \rangle^c \rangle^c \rangle^c, U = \langle \langle \langle \langle a \rangle^c \rangle^c \rangle^c \rangle^c \rangle^c)$$

1	polygon	Baker Lake Project Site
2	polygon	Rankin Inlet Project Site
3	polyline	BL: Proposed Transmission Line
4	polyline	RI: Proposed Transmission Line
5	polyline	Rankin Inlet: Potential Access Road
6	polyline	Baker Lake: Potential Access Road
7	point	Rankin Inlet Met Tower Location
8	point	BL: NW Corner
9	point	BL: NE Corner
10	point	BL: SE Corner
11	point	BL: SW Corner

12	point	RI: NW Corner
13	point	RI: NE Corner
14	point	RI: SE Corner
15	point	RI: SW Corner