ᓄᓇᕘᒥ ᐊᕙᑎᓕᕆᔨᒃᑯᑦ ᑲᑎᒪᔨᖏᑦᑎᑐᑦ ᑐᒃᓯᖅᑑᑦ ᕿᒥᕐᕈᔭᒃᓴᖅ #125485

Rankin Inlet and Baker Lake Meteorological Towers

ᑐᒃᓯᖅᑑᑕᐅᔪᖅ ᖃᓄᐃᑦᑑᓂᖓ:	New
ᐱᓕᕆᐊᕆᔭᐅᔪᒪᔫᑉ ᖃᓄᐃᑦᑑᓂᖓ:	Scientific Research
ᐅᓪᓗᖓ ᑐᒃᓯᖅᑑᑎᓕᐊᕕᓂᐅᑉ:	9/16/2019 8:51:31 PM
Period of operation:	from 0001-01-01 to 0001-01-01
ᑲᔪᓯᒃᑲᐃᔨᐅᓂᐊᕐᓱᒋᔭᐅᔪᑦ:	from 0001-01-01 to 0001-01-01
ᐱᓕᕆᐊᖅᑭᒪᔪᖅ:	Kailey Wright Northern Energy Capital Inc 7209 7th Ave Whitehorse Yukon Y1A 1R8 Canada ᐅᖄᓚᐅᑏᑦ: 250-686-6644, ᓱᑲᔪᒃᑯᑦ:

ᑐᓴᐅᒪᔭᒃᓴᑦ

ᖃᓄᐃᑦᑑᑎᓂᒃ ᐱᓕᕆᐊᖃᕐᓂᐊᕆᐊᖅᒫᓂᒃ

ᖃᓪᓗᓈᑎᑐᑦ: Our goal is to complete a wind and solar resource assessment in both Rankin Inlet and Baker Lake. The purpose of this study is to assess the potential for clean energy (e.g. solar and/or wind) development at these sites. To do this, we propose erecting a meteorological tower equipped with instruments to measure wind speed, solar irradiation, wind direction, and temperature.

ᐅᐃᖅᑎᑐᑦ: .

ᐃᓄᒃᑎᑐᑦ: ᐱᓕᕆᖃᑎᒌᒃᑑᐸᓗᓂ, ᐅᑭᐅᖅᑕᖅᑐᒥᑦ ᐆᒪᖅᑯᑎᒧᑦ ᐱᖁᑎᕐᔪᐊᒃᑯᑦ ᑕᐃᒪᐅᔪᑦ ᐱᔪᓐᓇᕐᓂᖅᑎᓐᓂᐊᕐᓗᒥᑦ ᐊᒻᒪᓗ ᐱᕆᐊᖅᑎᓐᓂᐊᕐᓗᒥᑦ ᓄᓇᓕᖕᒥᑦ-ᓇᖕᒥᓂᕆᔭᐅᔪᑦ ᐊᑐᖅᑕᐅᒃᑲᓂᕈᓐᓇᖅᑐᑦ ᐆᒪᖅᑯᑎᓄᑦ ᐱᓕᕆᐊᑦ ᐊᓯᐊᙱᖅᓯᔪᑦ ᐆᒪᖅᑯᑎ ᐱᓕᕆᐊᖑᖃᑦᑕᕐᓂᖅᓚᓄᑦ ᐅᑭᐅᖅᑕᖅᑐᒥᑦ ᓄᓇᓕᐸᑎᖕᓂᑦ, ᐊᒻᒪᓗ ᓄᓇᓕᖕᒥᐅᓂᒃ ᐊᖏᓂᖅᓴᒥᒃ ᐊᑐᕈᓐᓇᖅᑎᑦᑎᐸᓗᓂ, ᐅᑎᒃᑳᓂᕈᓐᓇᖅᑐᒥᒃ ᐊᒻᒪᓗ ᐱᕈᖅᐸᓪᓕᐊᓂᕐᒧᑦ ᐱᕕᖃᕐᓂᕐᒥᒃ.ᓯᕗᒻᒧᒃᓯᒪᔪᑦ ᐊᓄᓇᒧᑦ ᑲᐃᕙᑎᑕᐅᔪᖅ ᓯᑯᐃᔭᐃᔾᔪᑎ ᐊᒻᒪᓗ ᓯᑯᖃᖅᑕᐃᓕᔾᔪᑎ ᓄᓇᕗᑦᑎᖕᓂᒃ ᓴᓗᒪᔪᒥᒃ ᐆᒪᖅᑯᑎᓂᒃ ᐱᓕᕆᐊᖃᖅᑎᑦᑎᓂᐊᖅᑐᖅ ᐆᒪᖅᑯᑎᓕᐅᖃᑦᑕᖅᑐᒥᒃ ᓯᑯᖃᓇᐅᑎᓪᓗᒍ. ᖃᓇᑕᐅᔭᒥᑦᑐᑦ, ᖃᓇᑕᐅᔭᒧᑦ ᐃᓚᒥᔭᐅᔪᑦ, ᐊᒻᒪᓗ ᓇᑭᖅᓯᒥᐊᑭᑏᑦ ᐃᓗᐊᓂᑦ ᐅᓇᖅᑎᑕᐅᖃᑦᑕᖅᑐᑦ ᐊᓄᓇᒧᑦ ᑲᐃᕙᑎᑕᐅᔪᖅ ᐊᐅᓚᕈᓐᓇᕐᓂᐊᕐᓗᓂ ᓂᒡᓕᓇᖅᑎᓪᓗᒍ ᑎᑭᓪᓗᒍ -40°C-ᒧᑦ. ᒪᕿᕐᓂᒃ ᐱᓕᕆᐊᓄᑦ ᑐᒃᓯᖃᐅᑎᖃᖅᑐᒧᑦ ᑭᕙᓪᓕᕐᒥᑦ ᓄᓇᕗᒻᒥᑦ, ᐊᒻᒪᓗ ᓴᓇᔭᐅᓂᐊᖅᑐᑦ ᐊᓄᓇᒧᑦ ᑲᐃᕙᑎᑕᐅᔪᑦ ᐊᐅᔭᖓᓂᑦ 2021-ᒥᑦ, ᐊᓄᓇᒥᑦ ᖃᐅᔨᓴᐃᓂᖃᕐᓂᐊᖅᐳᓂ ᓯᕗᓂᐊᒍᑦ.ᑲᖏᖅᐸᓂᕐᒥᑦ ᓴᓗᒪᔪᒥᒃ ᐆᒪᖅᑯᑎᖃᕐᓂᕐᒧᑦ ᐱᓕᕆᐊᖅ ᓯᕗᓪᓕᖅᐸᐅᓂᐊᖅᑐᖅ ᐊᑐᖅᑕᐅᑲᓂᕈᓐᓇᖅᑐᒥᒃ ᐆᒪᖅᑯᑎᓕᐅᕆᓂᕐᒧᑦ ᓄᓇᕗᒻᒥᑦ ᐃᓇᖏᔪᖕᓇᖅᐳᓂ ᐅᖅᓯᐊᓗᖕᒥᒃ ᓂᐅᕕᐊᒃᓴᐅᖃᑦᑕᕐᓂᖕᒐᑦ. 2,700-ᓂᒃ ᐃᓄᖃᖅᐳᓂ ᐊᒻᒪᓗ ᐊᕐᕋᒍᑕᒫᒃᑯᑦ ᐆᒪᖅᑯᑎᒥᒃ ᐱᔭᐅᔪᒪᓂᖃᖅᐳᓂ ᐅᖓᑖᓄᑦ 18 GWh ᑖᒻᓇ 2 MW ᐱᓕᕆᐊᖅ ᐆᒪᖅᑯᑎᓕᐅᕈᓐᓇᕐᓂᐊᖅᑐᖅ 30%-ᖓᓂᑦ ᑲᖏᖅᑯᓂᕐᒥᐅᑦ ᑲᑎᒍᒃᑖᖅᐳᒥᑦ ᐃᑯᒪᖅᑯᑎᖓᓂᑦ.2MW ᐊᓄᓇᒧᑦ ᑲᐃᕙᑦᑐᖅ ᐃᓇᖏᔪᖕᓇᖅᑐᖅ 37 ᒥᓕᔭᓐ ᓈᑕᓂᒃ ᐅᖅᓯᐊᓗᖕᒥᑦ (100,000 ᑕᓐ-ᓂᒃ ᐱᐅᖕᒋᑦᑐᑦ ᑳᕙᓐ-ᖏᓂᖁᑕᐅᔪᓂᒃ ᓯᓚᒧᑦ ᐊᓂᐊᔪᓂᒃ) ᐊᐅᓛᕈᓐᓇᕐᓂᓗᒃᑖᖓᓂᑦ ᐊᒻᒪᓗ, ᐱᕙᓪᓕᐊᓂᕐᒥᑦ, ᓄᑖᓂᒃ ᐱᕈᖅᐸᓪᓕᐊᓂᕐᒧᑦ ᐱᕕᖃᕐᓂᐅᔪᓂᒃ ᑐᓂᓯᓗᓂ ᐃᓄᖕᓄᑦ ᐊᒻᒪᓗ ᓇᖕᒥᓂᖅᑐᓄᑦ ᐃᓚᐅᖃᑕᐅᑎᑦᑎᓗᓂ ᐊᑐᖅᑕᐅᒃᑲᓂᕈᓐᓇᖅᑐᒥᒃ ᐆᒪᖅᑯᑎᓕᐅᕆᓂᕐᒥᒃ.ᐱᖅᑯᓗᓂ ᐊᑕᐅᓯᙱᖅᓗᒍ ᓈᓴᐅᑎ ᐊᕿᒍᑕᒫᖅ ᐊᓄᕆᐅᑉ ᓇᑭᓂᖓ 7.4 m/s-ᓂᒃ ᖃᒪᓂ'ᑕᐊᖅ ᑕᑉᐸᓪᓕᕆᐅᔪᖅ ᐊᓄᓇᒧᑦ ᑲᐃᕙᑦᑐᒥᒃ ᐆᒪᖅᑯᑎᖃᕐᓂᕐᒧᑦ ᐱᓕᕆᐊᕐᒥᑦ.ᐆᒪᖅᑯᑎ ᐊᑐᖅᑕᐅᖃᑦᑕᕐᓂᖓ ᖃᒪᓂ'ᑐᐊᕐᒥᑦ 8.9 GWh-ᖑᔪᖅ ᐊᕿᒍᑕᒫᒃᑯᑦ, ᐊᒻᒪᓗ 2 MW ᐱᓕᕆᐊᖅ 50%-ᖓᓂᑦ ᖃᒪᓂ'ᑐᐊᕐᒥᑦ ᑲᑎᒍᒃᑖᖅᐳᒥᑦ ᐃᑯᒪᖅᑯᑎᓕᐅᕈᓐᓇᖅᑐᖅ. ᑖᒻᓇ ᒥᒃᓱᒥᐊᖅᑎᑦᑎᓂᐊᖅᑐᖅ ᐱᐅᖕᒋᑦᑐᓂᒃ ᑳᕙᓐ-ᖏᓂᖁᑕᐅᔪᒥᒃ ᓯᓚᒧᑦ ᐊᓂᐊᔪᓂᒃ 4,000 ᑕᓐ ᐅᖓᑖᓄᑦ ᐊᕿᒍᑕᒫᒃᑯᑦ; ᐅᕝᕙᓘᓐᓃᑦ 1.5 ᑕᓐ-ᓂᒃ ᐅᑕᐅᓯᖅ ᐃᓄᖕᒧᑦ ᐊᕿᒍᑕᒫᒃᑯᑦ.

Inuinnaqtun: .

Personnel

Personnel on site: 12

Days on site: 31

Total Person days: 372

Operations Phase: from 2020-03-23 to 2020-09-21

Operations Phase: from 2020-07-21 to 2022-09-21

Post-Closure Phase: from to

ᐱᓕᕆᐊᕆᔭᐅᓂᐊᖅᑐᑦ

ᓇᒥ	ᖃᓄᐃᑦᑑᒥᑦ ᐱᓕᕆᐊᖃᕐᓂᐊᖅᐸ	ᑭᒃᑯᑦ ᓄᓇᕐᑰᑖᓂ	ᑐᓴᐅᒪᔭᒃᓴᑦ ᓄᓇᐅᑉ ᖃᓄᖅ ᐊᑐᖓᐅᓚᐅᖅᓯᒪᔭᕆᐊᖓᓐᓂᒃ	ᐃᑦᓴᕐᓂᑕᖃᕐᐱᐅᕙᓚᐅᖅᐸ ᐃᓄᒃᓄᑦ ᓇᔪᖅᑕᐅᖃᑦᑕᕐᓂᑰᕙᓗ ᑕᐃᑦᓱᒪᓂᑐᖃᐅᓕᖅᑐᖅ	ᖃᓂᓐᓂᖅᐹᖅ ᓄᓇᓕᒥᔭᐅᔪᖅ ᐊᒻᒪᓗ ᓴᐳᒻᒥᒃᓲᕕᐅᕙᓗ ᓱᓇᓄᑦ
Rankin Inlet Site	Other	Municipal	This site has not had any development prior to NEC acquiring the Land Use permit. A meteorological tower has been erected to assess the wind resources of the proposed site. Wind turbines constructed in the future will provide power to the community.	None Identified.	This area is North-West of the Hamlet of Rankin Inlet, within the municipal boundaries.
Baker Lake Site	Other	Municipal	This site has not had any development prior to NEC acquiring the Land Use permit.	None Identified.	North of Baker Lake, within the municipal boundaries.

ᓄᓇᓕᐅᑉ ᐃᓚᐅᖃᑕᐅᓂᖓ ᓄᓇᓖᓪᓗ ᐊᕕᒃᑐᖅᓯᒪᐅᕐᓂᖓᓄᑦ ᐃᑲᔪᑕᐅᔪᓐᓇᖅᑐᑦ

ᓄᓇᓕᒥᔭᖅ	ᐊᑏᑦ	ᑲᑐᔾᔨᐊᖃᑎᒌᒥᔭᖅ	ᖃᖓ ᑐᓴᖅᑎᑕᐅᓚᐅᕆᐊᖕᒥᓂᒃ
ᖃᒪᓂ'ᑐᐊᖅ	Sheldon Dorey	Baker Lake Hamlet Council	2018-10-01
ᑲᖏᖅᖠᓂᖅ	Martha Lenio	WWF Canada	2018-05-15
ᑲᖏᖅᖠᓂᖅ	Kevin Sanguin	Sakku Development Corporation	2017-09-15
ᑲᖏᖅᖠᓂᖅ	David Kakuktinniq	Sakku Development Corporation	2018-06-20
ᑲᖏᖅᖠᓂᖅ	Randy Mercer	Regional Lands Administrator	2018-05-08

ᓚᐃᓴᓐᓰᑦ ᐱᒧᖕᓇᐅᑏ ᐊᖏᖅᑕᐅᓯᒪᔪᑦ

ᓇᒦᒥᐊᖏᓐᓂᒃ ᐱᓕᕆᐊᕆᕐᕕᐅᓂᐊᖅᑐᑦ ᑎᑎᕋᕐᔪᒥᑦ:

Kivalliq

ᓚᐃᓴᓐᓰᑦ ᐱᒧᖕᓇᐅᑏ ᐊᖏᖅᑕᐅᓯᒪᔪᑦ

ᒐᕙᒪᒋᔭᐅᔫᑉ ᐊᕕᒃᑐᖅᓯᒪᐅᕐᓂᖓᓐᓂ ᒪᓕᒐᕐᓅᖓᔪᓂᒃ ᐱᕐᖁᔭᕐᓅᖓᔪᓂᒡᓗ ᑲᒪᔩᑦ ᐱᔪᖕᓇᐅᑎᑖᕈᑎᓂᒃ ᓚᐃᓴᓐᓯᓄᓪᓗ ᑲᔪᓯᒃᑲᐃᔩᑦ	ᖃᓄᐃᑦᑐᓪᓚᓇᐅᕙ ᓚᐃᓴᓐᓯᑖᕈᑕᐅᔪᖅ ᐱᔪᖕᓇᐅᑎᑖᕈᑕᐅᔪᖅ ᐊᖏᖅᑕᐅᔪᕐᓘᓐᓃᑦ	ᒫᓐᓇ ᖃᓄᐃᓕᖓᕙ	ᐅᓪᓗᒥ ᑐᓂᔭᖅ/ ᑐᒃᓯᕋᖅᑑᑕᐅᓚᐅᖅᓯᒪᔪᖅ	ᑭᒡᓕᖅᑲᕐᕕᖓ
ᑲᓇᑕᒥ ᐃᖏᕐᕋᔪᓕᕆᔨᒃᑯᑦ	Authorization to erect the Meteorological Tower in Baker Lake.	Active	2018-11-21	
ᐊᓯᖓ	NAVCAN: Authorization to erect the Meteorological Tower in Baker Lake	Active	2019-01-06	
ᑲᓇᑕᒥ ᐃᖏᕐᕋᔪᓕᕆᔨᒃᑯᑦ	Authorization to erect the Meteorological Tower in Rankin Inlet	Active	2018-05-14	
ᐊᓯᖓ	NAVCAN: Authorization to erect the Meteorological Tower in Rankin Inlet.	Active	2018-04-30	
ᓄᓇᕗᒥ ᖃᐅᔨᓴᖅᑐᓕᕆᔨᒃᑯᑦ	Permit for the installation of the Met mast towers.	Not Yet Applied		
ᓄᓇᕗᑦ ᒐᕙᒪᖓ, ᒐᕙᒪᓕᕆᔩᑦ	Land Use permit for Baker Lake site.	Active	2019-04-02	2021-04-01
ᓄᓇᕗᑦ ᒐᕙᒪᖓ, ᒐᕙᒪᓕᕆᔩᑦ	Land Use permit for Rankin Inlet site.	Active	2018-06-02	2020-06-01

Project transportation types

Transportation Type	ᓱᓇᒧᑦ ᐊᑐᒐᐅᓂᐊᖅᐸ	Length of Use
Land	Overland transportation will be required to bring necessary materials to their respective install sites.	

Project accomodation types

ᓄᓇᕗᒻᒥᖅ

ᐊᑐᒐᐅᓂᐊᖅᑐᖅ

ᐱᕐᑯᑦ ᐊᖏᔪᖅ ᐊᑐᖅᑕᐅᓂᐅᓴᔪᖅ ᐃᓚᖃᓯᐅᑎᓗᒋᑦ ᐃᑰᑕᐃᑦ, ᒥᓪᓗᐊᕈᑏᑦ, ᖃᖕᒪᑕᑑᖅ, ᓄᓇᓯᐅᑦ ᐊᓯᖕᒋᓪᓗ

ᐊᖏᔪᖅ ᐱᕐᑯᑦ ᐊᑐᒐᐅᓂᐊᖅᑐᖅ ᖃᓄᐃᑦᑑᓂᖓ	ᖃᑦᓯᐅᕋᑦ	ᐊᖏᓂᖏᑦ - ᐳᖅᑐᓂᖏᑦ	ᓱᓇᒧᑦ ᐊᑐᒐᐅᓂᐊᖅᐸ
Rock Drill	1	small	Used to drill anchors anchors
Pickup Truck	1	typical	Transportation and Equipment delivery
Mini-Excavator	1	small	Minor site and foundation preparation

ᑎᑎᕋᐅᓯᓐᓗᒍ ᐅᖅᓱᒃᓴᐃᑦ ᐊᑦᑕᓇᖅᑐᖅᑕᓖᓪᓗ ᐊᑐᖅᑕᐅᓂᐊᕐᓂᖏᑦ

ᓱᓇᒧᑦ ᐅᖅᓱᒃᓴᒡᒥᐊᖅ ᐊᑐᒐᐅᓂᐊᖅᐸ	ᖃᓄᐃᑦᑐᓪᓚᓇᐅᕙ ᐅᖅᓱᒃᓴᒡᒥᐊᖅ	ᖃᑦᓯᐅᕋᑦ ᐅᖅᓱᒃᓴᖃᐅᑏᑦ	ᑏᒃᓴᐅᒃ ᐃᒪᖃᖅᑎᒋᔪᓐᓇᕐᓂᖓ	ᑲᑎᓪᓗᒍ	ᑏᒃᓴᐃᑦ ᐊᒥᓱᓂᖏᑦ	ᓱᓇᒧᑦ ᐊᑐᒐᐅᓂᐊᖅᐸ
Diesel	fuel	1	50	50	Gallons	Backup for otherwise solar powered met tower
Propane	fuel	1	100	100	Liters	Propane heaters (if required)

ᐃᒪᖅ ᐊᑐᖅᑕᐅᔭᒫᖅᑐᖅ

ᐅᓪᓗ ᑕᒫᖅ ᐊᑐᖅᑕᐅᓂᐊᖅᑐᖅ	ᖃᓄᖅ ᐃᒥᖅᑕᖃᑦᑕᕐᓂᐊᖅᐸᑦ	ᓇᑭᑦ ᐃᒥᖅᑕᖃᑦᑕᕐᓂᐊᖅᐸᑦ
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.	

ᐊᑲᑕᔪᑦ

ᐊᑲᑕᔪᓕᓂᐊᖅᓂᖅ

ᐱᓕᓇᐊᓇᔭᐅᔨᒪᔨᔪᑦ ᐱᓕᓇᐊᓇᔭᐅᓂᐊᖅᑐᖅ	ᖃᖅᓄᐃᑦᑐᖅ ᐊᑲᑕᔪᖅ	ᖃᖅᓄᑎᒋ ᐊᑲᑕᔪᑦ ᓴᖅᑭᐊᓂᐊᖅᑐᓇᔭᐅᕐᓂᑦ	ᖃᖅᓄᓄᖅ ᐊᑲᑕᖅᑕᐅᓂᐊᖅᓯ	ᓴᓗᒪᒪᖅᓴᐅᑎᑲᓴᖅᓂᓂᐅᓂᐊᖅᑐᑦ
Equipment installation	ᐊᑲᑕᔪᑦ ᐃᓱᐊᓪᓚᑕᐅᔨᓐᓄᖅᑎᑦᑐᑦ	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. No additional waste will be produced after construction during the assessment.	None

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The proposed equipment installation of the met towers is for the purpose of developing a renewable energy system for RI. Therefore

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 I1: Municipal Development

ᐃᓐᓇ ᐊᕿᑎᐅᕐᓂ ᖃᓄᐃᑦᑐᓕᕆᔨᒃᑯᓐᓄᑦ: ᓄᓇᕗᓂ ᖃᓄᐃᑦᑐᑐᒃᑯᓐᓄᑦ

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.

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Described in part above.

ᐃᓐᓇ ᐊᕿᑎᐅᕐᓂ ᖃᓄᐃᑦᑐᓕᕆᔨᒃᑯᓐᓄᑦ: ᐃᓄᓕᕆᓂᖅᓯᒪᓐᓇᑦ-ᐱᖓᓕᓕᐊᔪᕆᓂᖅᓯᒪᓐᓇᑦ

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 growth 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

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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 meteorological tower assessment will be approximately one year. If given the go ahead for the construction of the sind farm, 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

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	PHYSICAL	Designated environmental areas	Ground stability	Permafrost	Hydrology / Limnology	Water quality	Climate conditions	Eskers and other unique or fragile landscapes	Surface and bedrock geology	Sediment and soil quality	Tidal processes and bathymetry	Air quality	Noise levels	BIOLOGICAL	Vegetation	Wildlife, including habitat and migration patterns	Birds, including habitat and migration patterns	Aquatic species, incl. habitat and migration/spawning	Wildlife protected areas	SOCIO-ECONOMIC	Archaeological and cultural historic sites	Employment	Community wellness	Community infrastructure	Human health
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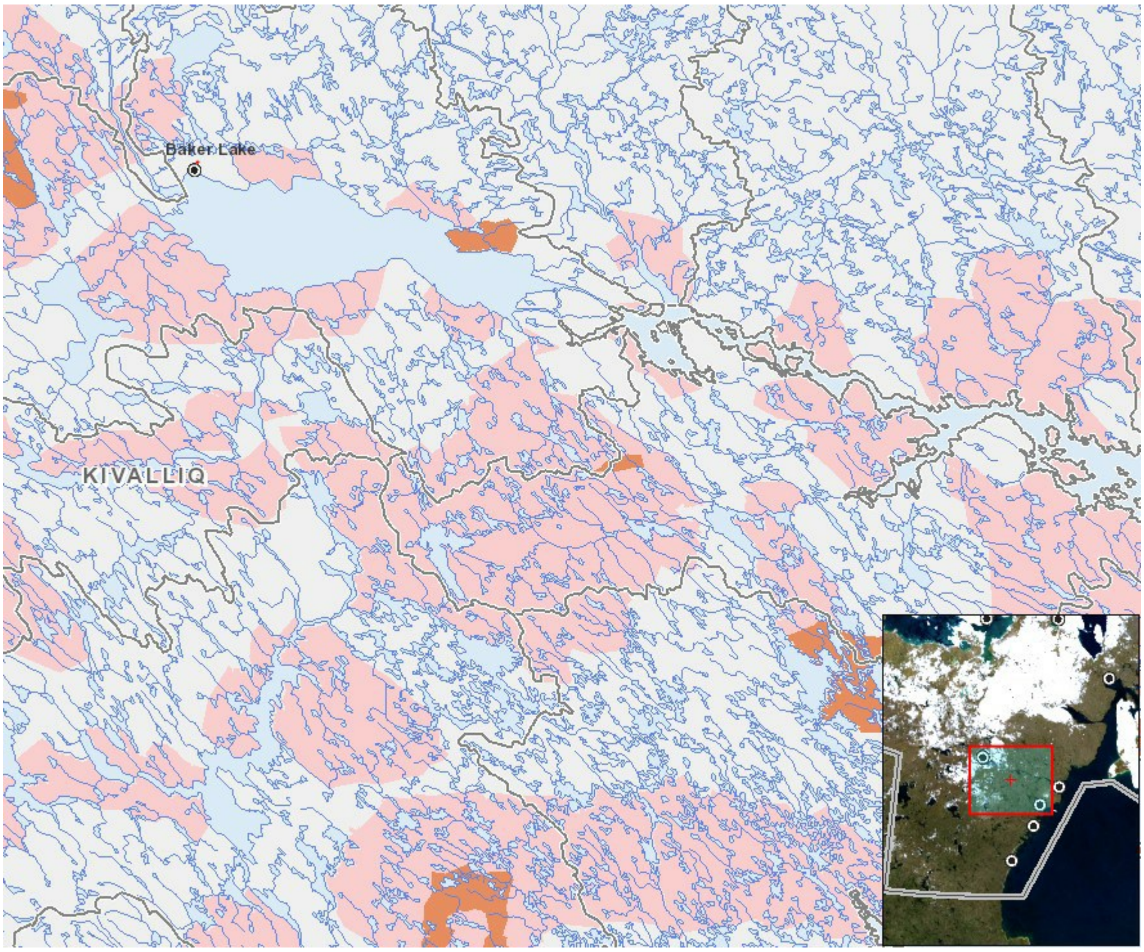
(P = ᐊᑲᐅᓈᕈᑎᔪᓐᓇᖅᑐᑦ, N = ᐊᑲᐅᙱᔾᔪᑕᐅᔪᓐᓇᖅᑐᑦ ᐸᓚᐅᒥᔾᔪᓯᖅᑐᖅᑕᐅᔪᓐᓇᙱᑦᑐᓪᓗ, M = ᐊᑲᐅᙱᔾᔪᑕᐅᔪᓐᓇᖅᑐᑦ ᐸᓚᐅᒥᔾᔪᓯᖅᑐᖅᑕᐅᔪᓐᓇᖅᑐᓪᓗ, U = ᖃᐅᔨᒪᓐᓇᙱᑦᑐᖅ)

ᓇᒦᒻᒪᕐᓘᖅ ᐱᓕᕆᐊᕆᔭᐅᔪᖅ



List of Project Geometries

1	polygon	Baker Lake Site
2	polygon	Rankin Inlet Site