



NIRB File No.: 22UN029
NPC File No.: 149916

April 3, 2023

Dana May
Kivalliq Alternative Energy Ltd.
PO Box 188
Rankin Inlet, NU X0B 0G0

Sent via email: dmay@northernenergycapital.com

Re: Notice of Screening for Kivalliq Alternative Energy Ltd.'s "Naujaat Solar and Energy Storage Project" project proposal

Dear Dana May:

On December 22, 2022 the Nunavut Impact Review Board (NIRB) received a referral to screen Kivalliq Alternative Energy Ltd.'s "Naujaat Solar and Energy Storage Project" project proposal from the Nunavut Planning Commission (Commission), with an accompanying positive conformity determination with the Keewatin Regional Land Use Plan.

Pursuant to Article 12, Sections 12.4.1 and 12.4.4 of the *Agreement between the Inuit of the Nunavut Settlement Area and Her Majesty the Queen in right of Canada (Nunavut Agreement)* and s. 87 of the *Nunavut Planning and Project Assessment Act*, S.C. 2013, c. 14, s. 2 (*NuPPAA*), the NIRB has commenced screening this project proposal and has assigned it file number **22UN029** - please reference this file number in all future related correspondence.

INFORMATION REQUEST

On May 19, 2022 the NIRB requested that the Proponent complete the online application form through the NIRB's public registry system and ensure, pursuant to s. 144(1) of the *NuPPAA*, that sufficient information is provided to determine the scope of the project activities being proposed and commence screening. The NIRB followed up via email on May 31, 2022, requesting an update on when the information would be provided.

On June 16, 2022, the Proponent responded indicating that it would require additional time to provide the information. The NIRB followed up on numerous occasions via email (June 23, 2022; July 22, 2022; August 15, 2022; August 24, 2022; October 17, 2022; November 9, 2022)

requesting an update on when the information would be provided. On March 17, 2023 the NIRB received the required information and commenced the screening pursuant to Part 3 of the *NuPPAA*.

PROJECT OVERVIEW

Project Scope:

All documents received and pertaining to this project proposal can be accessed from the NIRB's online public registry at www.nirb.ca/project/125712.

Project:	Naujaat Solar and Energy Storage Project				
Region:	Kivalliq				
Location:	Naujaat				
Closest Community:	Naujaat	Distance (approximate)	0.75 kilometres (km)	Direction	Northeast
Summary of Project Description:	The Proponent intends to construct and operate a utility-scale solar energy array and battery storage system in Naujaat.				
Project Proposed Timeline:	Construction from June 23, 2023 to December 28, 2025 Operations from December 29, 2025 to December 21, 2055				

According to the project proposal, the scope of the project includes the following undertakings, works or activities:

- Construction of a 1.05 MW 13-row solar PV array including crystalline panels, inverters, transformers, electrical meters, connection equipment, 1 MW battery, and battery storage over an area of four (4) hectares (9.8 acres);
 - Use of a drill rig for geotechnical assessments and during installation of the solar array foundation;
 - Use of a mobile concrete batching plant to mix and pour concrete for the solar array foundation;
 - Use of a pile driver to install the solar array foundation;
 - Installation of 2,544 bifacial crystalline passive emitter and rear cell panels;
- Construction of an access road;
- Construction of a temporary camp consisting of up to four (4) trailers connected to a generator and serviced by municipal water and sewage;
- Use of vehicles, including:
 - Up to two (2) gravel hauling trucks to deliver gravel for the access road construction;
 - Excavator to level ground for the construction zone;
 - Up to five (5) pick-up trucks to transport personnel and small equipment; and
 - Flat bed telescopic crane truck to offload equipment from trucks at the site;
- Use of a staging area to lay down equipment and materials;
- Use of a diesel generator to power the temporary camp and office;
- Use of municipal fuel service with possible storage of up to two (2) x 50 gallon fuel containers on site;

- Use of 5 cubic meters of water per day for concrete mixing and use at the temporary camp;
- Disposal of non-combustible construction and camp wastes produced during both construction and operation phases in municipal landfill; and
- Use of port-a-potties for sewage collection at the construction site and disposed of by the Hamlet.

Inclusion or Exclusion of Scoping List

At this time, the NIRB has identified no additional works or activities in relation to the project proposal. As a result, the NIRB will proceed with screening the project based on the scope as described above.

REQUEST FOR COMMENTS

All documents received can be accessed from the NIRB's online public registry www.nirb.ca/project/125712 and include:

- *Commission Application*
- *Commission Conformity Determination and Revised Conformity Determination*
- *Commission Questionnaire*
- *Community Energy Plan*
- *Diesel Reduction Implementation Plan*
- *Energy Yield Assessment Report*
- *Executive Summary and Project Schedule*
- *IOL Map*
- *NavCan Letter of No Objection*
- *Proposal for Geotechnical Investigation and Topographical Survey*
- *QEC Letter of Support*
- *Site Layout*
- *Site Review*
- *Solar Glare Hazard Analysis Report V. 1 and 2*
- *TC Approval Permit V. 1 and 2*
- *Desktop Geotechnical Assessment*
- *Environmental Site Assessment*
- *Proponent Letter to Hamlet of Naujaat Re Open House*
- *Proposed Electrical Route*
- *CEP Presentation*
- *NIRB Application*
- *Revised NIRB Application*

The NIRB will copy you on screening process related correspondence and upload related documents to the NIRB's online registry for public access. The NIRB may request additional information at any time during the process.

The NIRB is copying parties and municipalities potentially affected by Kivalliq Alternative Energy Ltd. project proposal with this letter, and we invite interested parties to comment directly to the NIRB by **April 24, 2023**.

The NIRB would like parties to provide comments regarding:


- Whether the project proposal is likely to arouse significant public concern; and if so, why;
- Whether the project proposal is likely to cause significant adverse eco-systemic or socio-economic effects; and if so, why;
- Whether the project proposal is likely to cause significant adverse impacts on wildlife habitat or Inuit harvest activities; and if so, why;
- Whether the project proposal is of a type where the potential adverse effects are highly predictable and mitigable with known technology, (and providing any recommended mitigation measures); and
- Any matter of importance to the Party related to the project proposal.

CONTACT INFORMATION

Please send your comments to the NIRB via email at info@nirb.ca, via fax at (867) 983-2594 or via the individual project dashboard for this assessment on the NIRB's online public registry at www.nirb.ca/project/125712.

If you have any questions or require clarification, feel free to contact the undersigned at (867) 983-4603 or lklaassen@nirb.ca.

Sincerely,



Leah Klaassen
Technical Advisor II
Nunavut Impact Review Board

Enclosures (4): Public Notice of Screening (English, and Inuktitut)
Comment Forms (English, and Inuktitut)

Cc:

Luis Manzo, Kivalliq Inuit Association
Maria Serra, Kivalliq Inuit Association
Brenda Pilakapsi, Kivalliq Inuit Association
Craig Beardsall, Kivalliq Inuit Association
Dianne Lapierre, Government of Nunavut
Laura Harris, Government of Nunavut
Tracey McCaie, Crown-Indigenous Relations and Northern Affairs Canada
Transport Canada General Inbox