



**NIRB File No.: 23YN007**  
NPC File No.: 149991

March 23, 2023

Derek Allerton  
Qulliq Energy Corporation  
P.O Box 250  
Iqaluit, NU X0A 0H0

Sent via email: [dallerton@qec.nu.ca](mailto:dallerton@qec.nu.ca)

**Re: Notice of Screening for Qulliq Energy Corporation’s “Geothermal Energy Potential in Cambridge Bay and Resolute Bay” project proposal**

Dear Derek Allerton:

On March 7, 2023, the Nunavut Impact Review Board (NIRB) received a referral to screen Qulliq Energy Corporation’s (QEC) “Geothermal Energy Potential at Cambridge Bay and Resolute Bay” project proposal from the Nunavut Planning Commission (Commission), with an accompanying positive conformity determination with the North Baffin 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 **23YN007**.

#### INFORMATION REQUEST

On March 8, 2023, 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.

On March 16, 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/125781](http://www.nirb.ca/project/125781).

<b>Project:</b>	Geothermal Energy Potential at Cambridge Bay and Resolute Bay
<b>Region:</b>	Kitikmeot and Qikiqtani (North Baffin) Regions
<b>Location:</b>	Within the Municipal boundaries of the communities of Cambridge Bay and Resolute Bay
<b>Summary of Project Description:</b>	The Proponent intends to undertake scientific research to establish geothermal potential for two Arctic communities.
<b>Project Proposed Timeline:</b>	July 2023 to August 2023

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

- Use of various hand tools to conduct geophysical research;
- Use of 2 vehicles to transport personnel and equipment to research sites;
- Waste to be brought back and disposed of in the community;
- Hiring and training of local community members for the life of the project; and
- Accommodations and facility use within the communities of Cambridge Bay and Resolute Bay.

### **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 at [www.nirb.ca/project/125781](http://www.nirb.ca/project/125781) and include:

- *Commission Conformity Determination*
- *Commission Application & Questionnaire*
- *NIRB Application*
- *Non-Technical Summary in English, Inuktitut, and Inuinnaqtun*
- *Cambridge Bay Support Letter*
- *Resolute Bay Support Letter*

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 QEC's project proposal with this letter, and we invite interested parties to comment directly to the NIRB by **April 3, 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.

Please note that *proposed* project-specific terms and conditions, should the project proceed, have been attached for consideration and comment ([Appendix A](#)).

#### CONTACT INFORMATION

Please send your comments to the NIRB via email at [info@nirb.ca](mailto: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/125781](http://www.nirb.ca/project/125781).

If you have any questions or require clarification, feel free to contact the undersigned at (867) 983-4622 or [motokiak@nirb.ca](mailto:motokiak@nirb.ca).

Sincerely,



Mia Otokiak  
Technical Advisor I  
Nunavut Impact Review Board

Attachments: Appendix A: *Proposed* Project Specific Terms and Conditions

Enclosures (6): Public Notice of Screening (English, Inuktitut and Inuinnaqtun)  
Comment Forms (English, Inuktitut and Inuinnaqtun)

cc: Distribution List  
Wynter Kuliktana, Kitikmeot Inuit Association  
Tannis Bolt, Kitikmeot Inuit Association  
Stephen Williamson Bathory, Qikiqtani Inuit Association  
Jared Ottenhof, Qikiqtani Inuit Association  
Joel Fortier, Qikiqtani Inuit Association  
Mosha Cote, Nunavut Research Institute

## Appendix A: Proposed Project Specific Terms and Conditions

The following is a list of project-specific terms and conditions which, should the project proceed, may be recommended to be attached to any approval.

### General

1. Qulliq Energy Corporation (the Proponent) shall maintain a copy of the Project Terms and Conditions at the site of operation at all times and make it accessible to enforcement officers upon request.
2. The Proponent shall operate in accordance with all commitments stated in correspondence provided to the Nunavut Planning Commission (NPC File No.: 149991) and the NIRB (Online Application Form, March 16, 2023). This information should be accessible to enforcement officers upon request.
3. The Proponent shall operate the site in accordance with all applicable Acts, Regulations and Guidelines.
4. The Proponent shall ensure that it meets the standards and/or limits as set out in the authorizing agencies' permits or licences as required for this project.
5. The Proponent shall ensure that all personnel, staff and contractors are adequately trained prior to commencement of all project activities, and shall be made aware of all operational plans, management plans, guidelines and Proponent commitments relating to the project.

### Waste Management

6. The Proponent shall manage all hazardous and non-hazardous waste including food, domestic wastes, and debris in such a manner to avoid release into the environment and access to wildlife at all times until disposed of appropriately or at an approved facility.

### Wildlife – General

7. The Proponent shall not substantially alter or damage or destroy any wildlife habitat in conducting this operation unless otherwise authorized by the appropriate authorizing agencies.
8. The Proponent shall not chase, weary, harass or molest wildlife. This includes persistently circling, chasing, hovering over, pursuing or in any other way harass wildlife, or disturbing large groups of animals.
9. The Proponent shall not hunt or fish, unless proper Nunavut authorizations have been acquired.

### Migratory Birds and Raptors Disturbance

10. The Proponent shall carry out all phases of the project in a manner that protects migratory birds and avoids harming, killing or disturbing migratory birds or destroying, disturbing or taking their nests or eggs. In this regard, the Proponent shall take into account Environment and Climate Change Canada's *Avoidance Guidelines*. The Proponent's actions in applying

the *Avoidance Guidelines* shall be in compliance with the *Migratory Birds Convention Act, 1994* and with the *Species at Risk Act*.

11. The Proponent shall not disturb or destroy the nests or eggs of any birds. If active nests of any birds are discovered or located (i.e., with eggs or young), the Proponent shall avoid these areas until nesting is complete and the young have naturally left the vicinity of the nest by establishing a protection buffer zone<sup>1</sup> appropriate for the species and the surrounding habitat.

### **Road and Ground Disturbance**

12. The Proponent shall not move any equipment or vehicles unless the ground surface is in a state capable of fully supporting the equipment or vehicles without rutting or gouging. Overland travel of equipment or vehicles must be suspended if rutting occurs.

### **Land Use and Restoration of Disturbed Areas**

13. The Proponent shall use existing trails where possible during project activities on the land.
14. The Proponent shall ensure that the land use area is kept clean and tidy at all times.
15. The Proponent shall remove all garbage, fuel and equipment upon completion of work.
16. The Proponent shall ensure that all disturbed areas are restored to a stable or pre-disturbed state using Best Available Technology Economically Achievable (BATEA) upon completion of work and/or abandonment.

### **Heritage Sites**

17. The Proponent shall ensure that archaeological and paleontological sites are not purposely or inadvertently disturbed by clients or staff as a result of project activities.
18. The Proponent shall ensure that all clients and staff are aware of the Proponent's responsibilities and requirements regarding archaeological or palaeontological sites that are encountered during land-based activities. This should include briefings explaining the prohibitions regarding removal of artifacts and defacing or writing on rocks and infrastructure.
19. No activities shall be conducted in the vicinity (50 metres buffer zone) of any archaeological/historical sites. If archaeological sites or features are encountered, activities shall immediately be interrupted and moved away from this location. Each site encountered needs to be recorded and reported to the Government of Nunavut-Department of Culture and Heritage.

### **Other**

20. The Proponent should engage with local residents regarding planned activities in the area and should solicit available Inuit Qaujimaningit and information regarding current recreational and traditional usage of the project area which may inform project activities. Posting of translated public notices and direct engagement with potentially interested groups and individuals prior to undertaking project activities is strongly encouraged.

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<sup>1</sup> Recommended setback distances to define buffer zones have been established by Environment and Climate Change Canada for different bird groups nesting in tundra habitat and can be found at [www.ec.gc.ca/paom-itmb](http://www.ec.gc.ca/paom-itmb).

21. The Proponent shall ensure that project activities do not interfere with Inuit wildlife harvesting or traditional land use activities.
22. The Proponent should, to the extent possible, hire local people and access local services where possible.