

Project Dashboard

Igloolik New Power Plant (149573)

Proposal Status: Conformity Determination Issued

Project Overview

Type of application: **New**

Proponent name:	Megan Larose
Company:	Qulliq Energy Corporation

Schedule:

Start Date:	2026-04-01
End Date:	2066-03-31
Operation Type:	Annual

Project Description:

Qulliq Energy Corporation (QEC) is proposing to construct and operate a new power plant in the Hamlet of Igloolik located in the Qikiqtaaluk Region of Nunavut (the Project). The proposed lot is approximately 8,516 square metres located on unsurveyed, untitled Commissioner's land, east of Lot 1000 Plan 1567 (airport property), and approximately 225 metres north of the PPD bulk fuel facility. This multi-year project will include a new four-engine power generation facility (proposed generating capacity of 3,450 kilowatts) designed for a 40-year life and incorporate new technology to improve reliability, efficiency, operation, and safety. Construction will include a fuel storage system consisting of two 90,000 litre double-walled, 110% contained horizontal fuel tanks, appropriate fuel pumping facilities, Quonset garage, transformer storage, pole racks, oil and glycol drum storage and waste disposal area (with secondary containment berm). Space will also be provided for a transient staff accommodation unit, sea cans for storage, and a back-up emergency generator. Upgrades to the existing distribution system will also be required to connect to the new power plant. An approximately 250-metre fuel pipeline will be constructed to connect to the Petroleum Products Division (PPD) bulk fuel storage facility located to the south. The pipeline will be a combination of aboveground and underground construction. The new plant will be capable of integrating renewable energy sources.

Personnel:

Persons:	21
Days:	580

Project Map

List of all project geometries:

ID	Geometry	Location Name
7873	point	FourCorners_706_Igloolik_PwrPlnt_Location
7874	polygon	Proposed Lot Boundary_Igloolik

Planning Regions:

Qikiqtani

Affected Areas and Land Types

Municipal

Settlement Area

Project Land Use and Authorizations

Project Land Use

Permanent Structures

Pipeline

Licensing Agencies

NIRB: [Screening Decision Report](#)

GN-CGS: 0

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NAD: 0

TC: 0

NWB: Type B Licence

Other Licensing Requirements

No data found.

Material Use

Equipment

Type	Quantity	Size	Use
Excavator	1		excavation
Backhoe	1		excavation, material movement
Bulldozer	1		material excavation and movement
Grader	1		civil construction, level soil/gravel as needed
Compactor Machine	1		site compaction as required
Articulated Truck (Dump Truck)	1		transport of materials to, from, within construction site
Tower Crane	1		Lifting materials to height
Pile Boring/Drilling Equipment	1		pile installation
Boom Truck	1		lifting construction materials to height
Telehandler	1		carry/transport heavy loads on site
Fork Lift	1		carry/transport materials
Trailer	1		transport materials to, from, and with the construction site
Concrete Mixer	1		mix and pour concrete

Welding Machine	2	welding and steel cutting
Generator	4	Four generators will be installed in the power plant with a generating capacity of 3,450 kilowatts

Fuel Use

Type	Container(s)	Capacity	UOM	Use
Diesel	0	0	Liters	Fuel will be required during construction for all equipment used on site. Fuel storage and handling during construction will be the responsibility of the contractor. Details regarding the location and volume of fuel storage and location of equipment refueling during construction are not known at this time. The contractor will be required to have a fuel management plan.
Diesel	2	90000	Liters	Fuel will be used/stored

at the power plant to run the generators. Fuel will be stored in above-ground horizontal fuel storage tanks.

Hazardous Material and Chemical Use

Type	Container(s)	Capacity	UOM	Use
Solvent (Varsol)	4	205	Liters	generator maintenance and operation
Engine Oil	16	205	Liters	Generator operation and maintenance
Propylene Glycol	1	2000	Liters	Power plant operations, heat transfer

Water Consumption

Daily Amount (m³)	Retrieval Method	Retrieval Location
0	to be determined by the contractor	to be determined by the contractor

Waste and Impacts

Environmental Impacts

Please refer to Table 4 of the attached Igloolik New Power Plant Project Description.

Waste Management

Waste Type	Quantity Generated	Treatment Method	Disposal Method
Combustible wastes	unknown	none	Disposal of construction waste will be the responsibility of the contractor. If permitted by the Hamlet,

Combustible wastes	unknown	none	<p>some waste may be disposed of at the local landfill.</p> <p>During operations, QEC will dispose of domestic waste in the local landfill if permitted by the Hamlet. Waste that is not permitted in the local landfill will be shipped south as part of QEC's annual waste shipment.</p> <p>Amount of liquid waste during operation will vary annually.</p>
Hazardous waste	2.050 litres	none	<p>Waste fuel/glycol will be collected in drums, stored within secondary containment and shipped south for disposal.</p>
Non-Combustible wastes	200 litres	none	<p>Amount of non-combustible waste generated during operation will vary annually.</p>

Overburden (organic soil, waste material, tailings)	unknown	none	<p>Material will be stored in quatrex bags or other appropriate containment and shipped south for disposal.</p> <p>Disposal of overburden and soil/rock excavated for power plant to be determined by the contractor in communication with the Hamlet.</p> <p>Volume to be determined. If possible, some overburden material may be used to build up other areas within the plant site.</p>
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