

APPLICATION FOR FEDERAL CROWN LAND

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☐ Individual applicants

☒ Government or companies: go directly to section A (2)

Section A (1) Individual applicant information

(fill in this section only if the lease/licence is to be in the name of individuals. Must be age of majority (19 or over) to apply.)

I hereby make application to:

☐ Lease

☐ Lease with purchase option (within communities and settled land claim areas only)

☐ Licence of occupation (linear development only, i.e. roads, pipelines etc.)

☐ Purchase (within communities and settled land claim areas only)

☐ Easement (linear development only, i.e. roads, pipelines etc.)

Full legal name:	Family name	Given name	Middle name
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Address (number/street/apartment/P.O. box)

City/Town	Province/Territory/State	Country	Postal/ZIP code
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Email address

Telephone number (home)	Telephone number (work)	Cellular number	Facsimile number
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Occupation	Employer
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Are you a federal employee? ☐ Yes ☐ No

Do you have a partner/spouse who is a federal employee? ☐ Yes ☐ No

► If yes, which federal department and division does your partner/spouse work for?

Individual partner/spouse/co-applicant information

Full legal name:	Family name	Given name	Middle name
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Address (number/street/apartment/P.O. box)

City/Town	Province/Territory/State	Country	Postal/ZIP code
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Email address

Telephone number (home)	Telephone number (work)	Cellular number	Facsimile number
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Occupation	Employer
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Are you a federal employee? ☐ Yes ☐ No

Do you have a partner/spouse who is a federal employee? ☐ Yes ☐ No

► If yes, which federal department and division does your partner/spouse work for?

Identify tenancy type if two or more persons applying for this land: ☐ Joint tenancy ☐ Tenancy in common

Definitions:

Joint tenancy: The primary purpose of joint tenancy is the right of survivorship. Upon death of one joint tenant, their interest passes to the other joint tenant automatically, and at length, to the last survivor.

Tenancy in common: A form of ownership whereby each tenant (owner or lessee) holds an undivided interest in property. Upon the death of one of the individuals, their property interest passes to their heirs.

Land purpose:

- ☐ Commercial ☐ Industrial ☐ Residential
☐ Other (specify) _____

Section A (2) Government/Company/Corporation/Association information

(fill in this section only if the lease/licence is to be in the name of a government, company, corporation or association)

I hereby make application to:

- ☒ Lease
☐ Lease with purchase option (within communities and settled land claim areas only)
☐ Licence of occupation (linear development only, i.e. roads, pipelines etc.)
☐ Purchase (within communities and settled land claim areas only)
☐ Easement (linear development only, i.e. roads, pipelines etc.)
☐ Reserve (government only)
☐ Transfer (government only)

Full legal name: **Government/Company/Corporation/Association**
 Kivalliq Alternative Energy Ltd.

Address (number/street/apartment/P.O. box)

PO Box 188, 12-71 Nuvua Street

City/Town	Province/Territory/State	Country	Postal/ZIP code
Rankin Inlet	Nunavut	Canada	XoC oGo

Contact person for government/company/corporation/association

Dana May, Senior Project Coordinator, Northern Energy Capital Inc.

Email address

dmay@northernenergycapital.com

Telephone number (home)	Telephone number (work)	Cellular number	Facsimile number
		403-968-1516	

Mailing address (if different from above)

Address (number/street/apartment/P.O. box)

Suite 502, 151 West Hastings Street

City/Town	Province/Territory/State	Country	Postal/ZIP code
Vancouver	British Columbia	Canada	V6B 1H4

Section B Parcel description

General description of parcel (i.e. hilly or flat, tree cover, soil type). If the parcel is surveyed, please indicate lot, block, group, QUAD, CLSR and LTO numbers. If unsurveyed, state size of parcel, NTS map sheet number (QUAD number) and general location.

Parcel is flat and soil type is original rootmat/topsoil, underlain by a coarse-grained sand and gravel till, over bedrock. Soil moisture content is anticipated to range from 3-15% which indicates ice-rich permafrost soils at depth. Parcel is approx. 3.7 ha in size, and located approx. 11 km from the town of Coral Harbour and 3km NE from the Coral Harbour airport. NTS Mapsheet No. 046B03 - Coral Harbour.

Section C Project location

Provide a National Topographic System (NTS) map at a scale of 1:50,000 that indicates the following features:

- ☐ Approximate location of land under application or indicate the kilometre post of road/highway, if applicable
- ☐ Co-ordinates
- ☐ Distance to nearest community
- ☐ Existing access, if any
- ☐ Nearby water bodies
- ☐ Proposed new access routes
- ☐ Use of adjacent land

Indicate approximate area applied for in metres
(metres X metres)

300 m x 126 m

Indicate approximate hectare size
(metres x metres divided by 10000 = hectares)

3.7 ha

► **Mandatory requirements: (*)**

1. Outside of community boundaries

* NTS map sheet number

046B03

* Map or GPS longitude and latitude co-ordinates (indicate degrees, minutes and seconds)

North latitude

64°12'27.9" N

West longitude

83°19'10.164 W

Map or GPS UTM co-ordinates

Parcel Corner 1 Eastings

387517

Northings

7122350

Parcel Corner 2 Eastings

387382

Northings

7122346

Parcel Corner 3 Eastings

387306

Northings

7122107

Parcel Corner 4 Eastings

387436

Northings

7122103

Parcel Centre Point Eastings

387402

Northings

7122194

GPS Map Datum (i.e. NAD 83, NAD 27)

2. Inside community boundaries (provide community mapping at a scale of 1:5,000 scale or less)

* Community name

Draw a detailed site sketch ON THE LAST PAGE OF THIS APPLICATION FORM of your proposed development.

Exact dimensions of buildings are not necessary.

Provide the approximate dimensions of buildings etc. shown within the parcel applied for.

Your sketch must include:

- Boundaries, approximate dimensions in metres or feet
- Location of water bodies, lake front, stream bank etc.
- Location of proposed buildings and structures
- North Arrow Indicator
- Waste disposal, fuel storage, docks and breakwaters area, etc.
- Water bodies to be used for transportation and/or recreation
- Access routes, trails, paths, roads
- Scale
- Existing facilities

Measure the distance of the boundaries of the parcel of land being applied for. When locating the parcel of land applied for, it is important that the location is defined by distance measurement and possibly compass bearings in relation to some known point or land feature.

I.E., distance to an existing survey posts of other property in that area, highway survey monuments, the shorelines of water bodies (lakes, rivers, creeks) and kilometre posts.

1 046 7 01 1



Commercial/Industrial applications may require approval-in-principal or associated licencing from the Government of the Northwest Territories, Department of Industry, Tourism and Investment (GNWT-ITI), prior to this Department's issuing any approvals of this application. Ensure the proper applications has been made, and documentation (i.e. tourism licence) is provided with your application.

Type of industrial or commercial use (describe in detail)

- Positive Conformity Determination with the Keewatin Regional Land Use Plan from the Nunavut Planning Commission (NPC)
- Approval with conditions following a project screening from the Nunavut Impact Review Board (NIRB)
- Assessments from Transport Canada and NAV CANADA showing compliance with airport height and glare regulations

Section E Land use type

- Is your use: ☒ Year-round ☐ Seasonal

Construction will last for 1-2 years and seasonal workers will be living on-site in a temporary camp during this time. Once operational, activities will be year-round and no staff will be living on-site.

None

Describe any existing buildings or structures currently on site and their condition. Use your sketch for illustration.

Value of improvements already on the land	Name of owner of improvements
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Section G No existing improvements - New construction and costs

Describe any new planned facilities to be constructed and the methods and materials to be used.

KAE proposes to build a utility-scale solar energy generation and battery storage facility that will interconnect to QEC's community microgrid via a distribution line. New facilities will be required to house the interconnection equipment. A battery energy storage system (BESS) and microgrid controls will be built and housed within an insulated heated structure. These may be modular pre-built structures such as sea-cans.

Outline the time schedule for your construction program. Indicate approximate start and completion dates.

Start date (YYYYMMDD)

2024-01-14

Completion date (YYYYMMDD)

2025-12-31

Describe existing and proposed methods of access, and transportation for your project.

The existing methods of access and transportation for this project include shipping in materials and personnel via cargo ships in the summer and planes in the winter. KAE will propose delivering materials to the site via truck. Site access for personnel will be via truck or ATV in the summer, and snowmobile in the winter.

Provide a brief description of the capital costs for your project.

Capital expenditures for the Coral Harbour Solar Energy Project include the Solar PV Supply and Construction (\$6.16M), the Battery Energy Storage System and Microgrid Controller (\$1.56M), the QEC System upgrade charges (\$1M), and temporary worker accommodations (\$1M).

Site preparation

Materials for initial construction

Construction costs

\$9,720,000

Are there any wastes produced by this use? ☒ Yes ☐ No

► If yes describe the type of waste, the volume of waste and the disposal methods to be used.

Construction waste will include steel, wiring, glass, and wood (5-10 m3). Liquid waste will include sewage from camp (100,000 gal/season).

How do you plan to dispose of:

Liquid waste (grey water, sewage)

Solid waste

Wastewater from the temporary camp will be collected in tanks and collected by the Hamlet for disposal in the local wastewater facility.

All debris will be stored appropriately and disposed of at the landfill.

If you have specific waste treatment equipment in mind, describe it.

Are there any hazardous materials* to be stored, other than consumer goods? ☐ Yes ☒ No

► If yes, list the type, estimated volume, quantities and storage methods for hazardous materials as defined in the *Transportation of Dangerous Goods Act and Regulations*.

Section H Resource capability

What other general resource activities are taking place on or near your proposed project area, (e.g. does the area involve a trap line or any mining activity? Is it an access point for resident anglers, hunters, campers, etc.? Is there a registered mineral claim on the project area?)

The project team has consulted with the local Hunters and Trappers organization and the Kivalliq Inuit Association and identified no potential impacts on traditional land at the site.

Do you see any activity listed in your answer to the above affecting your operation, or is your operation a conflict to them? If so, how?

Do you plan on using your facilities for other than the applied for purpose? ☐ Yes ☒ No

► If yes, briefly describe the alternate use.

**Section I Fees**

Land application fee (\$150.00) (except government agencies)	▶	\$150
GST for all applications (except residential uses)	▶	\$750
Total fees submitted with application		▶ \$15750

▶ Please make cheque/money order payable to the Receiver General for Canada

Note: This application will be subject to an environmental review and consultation process. As a result of this process, if it is determined that your application must be refused, the application fees submitted with your application will not be refunded.

Individuals signatures

I certify that the information I have given in this application is correct, to the best of my knowledge.

I hereby acknowledge and confirm that the filing of this application does not grant me any rights to take, occupy or use the land for which I have applied.

Applicant name (print)	Applicant signature	Date (YYYYMMDD)
Co-applicant name (print)	Co-applicant signature	Date (YYYYMMDD)

Federal or territorial government officials signatures

I certify that the information I have given in this application is correct, to the best of my knowledge.

I hereby acknowledge and confirm that the filing of this application does not grant me any rights to take, occupy or use the land for which I have applied.

Applicant name (print)	Applicant signature	Date (YYYYMMDD)
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On behalf of (federal/territorial government department name)

Companies/Corporations/Associations signatures

If your company/corporation/association is in good standing at the North West Territories Companies Registry, please attach the Certificate of Incorporation, company current standing and signing authorities.


☒ Certificate of Incorporation attached

If your company/corporation/association can sign legal documents without your corporate seal, please attach a certified true copy or your BY-LAWS that state you can sign legal documents without your corporate seal.

If your power of attorney can sign legal documents on behalf of your company/corporation/association, please attach a copy of your Power of Attorney documentation.

I certify that the information I have given in this application is correct, to the best of my knowledge.

I hereby acknowledge and confirm that the filing of this application does not grant me any rights to take, occupy or use the land for which I have applied.

Applicant name (print) Dana May	Applicant signature 	Date (YYYYMMDD) 20230303
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On behalf of (company/corporation/association name)

Kivalliq Alternative Energy Ltd.

LAND ADMINISTRATION USE ONLY

Date application received (YYYYMMDD)	Received by
Application checklist (YYYYMMDD)	Completed by