

## **Proposal Status: Conformity Determination Issued**

### [Overview Documents](#)

### [Project Overview](#)

Type of application: New

Proponent name:

Jason Maas

Proponent company:

Polar Knowledge Canada

Project Description:

Polar Knowledge Canada, in collaboration with Canmet Energy Ottawa/Natural Resources Canada, is planning to build a solar resource monitoring station on Waterlake Rd, on the Northern end of Cambridge Bay, NU, . The planned location is just north of Environment Canada's Automated Radiosonde Launching Station , at 69.130481, -105.057488 (<https://maps.app.goo.gl/YrbRoU1LrwJZ8238A>). The purpose of the station is to track and compile meteorological and solar resource data, to be published in various formats, including a public portal, conference papers, and peer reviewed articles. The solar resource monitoring station will consist of: •three tripods, staked into the ground •A SOLYS suntracker mounted to a 2 foot square concrete block •A Geonor T-200B precipitation gauge, mounted to a 2 foot square concrete block The equipment will be installed no more than 10m from the road, and the concrete blocks will be placed non-invasively, minimizing impact to the land. The station will be grid-powered via an existing power meter at the site, assigned to Polar Knowledge Canada. A Starlink plan will be purchased to provide internet connectivity to the station for wireless data transfer. The proposed timeline is to install and commission the system in July 2026, and to maintain the equipment indefinitely. For installation, two POLAR staff will be onsite for two days. The site will be attended by POLAR staff over the course of the project for weekly maintenance. The project is planned to run indefinitely, but if the project ends, all equipment and platforms will be removed from the area, and the area will be restored to its previous condition.

### [Project Schedule](#)

Start Date:

2026-06-15

End Date:

2036-06-15

[Project Map](#)

List of project geometries:

Id

Geometry

Location Name

[20277](#)

point

Solar resource monitoring station

NPC Planning regions:

**No Approved Plan**

[Project Land Use and Authorizations](#)

Project Land Use:

Scientific Research

Licensing Agencies:

Nunavut Research Institute

[Material Use](#)

Equipment:

Type

Quantity

Type

Use

Loader

1

Unknown

A loader will be used to place two concrete blocks

Fuel Use:

Type

Container

Capacity

Use

No data found

Hazardous Material and Chemical Use:

Type

Container

Capacity

Use

No data found

Water Consumption:

Daily Amount (m<sup>2</sup>)

Retrieval Method

Retrieval Location

0

[Waste and Impacts](#)

Environmental Impacts:

No predicted environmental impacts or waste.

Waste Management:

Waste Type

Quantity Generated

Treatment Method

Disposal Method

No data found