

Igluligaarjuk Midnight Sun

Project Proposal Summary for Nunavut Impact Review Board, NRCan CERRC Program

The Igluligaarjuk Midnight Sun solar and storage microgrid project aims to utilize the great solar resource on the Hudson Bay coast of the Kivalliq region, which is the highest in Nunavut, to reduce the hamlet's reliance on imported diesel fuel.

- **Who:** iSolara Solar Power is working with the Hamlet of Chesterfield Inlet to develop this project.
- **What:** This project will utilize 600 kW of ground mounted solar modules on iSolara Solar Power's dual position QuickTrack system paired with a lithium ion energy storage system.
- **How:** This project will require local labour to complete, 15-20 local jobs are expected to be created. 1 full time position for operations and maintenance of the system over its 10-year lifespan is required.
- **Why:** The aim of this project is to prove that simple solar with storage systems can easily integrate into the existing electrical power grid and work hand-in-hand with diesel generators.
- **Where:** The current proposed location in the vicinity of the existing power plant in Chesterfield Inlet.

When:



