

June18, 2021 NPC File No. 149568

Keith Morrison

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Prairies and Territories Office

Transport Canada P.O.Box 8550, 344 Edmonton St Winnipeg, MB R3C 0P6

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Robert Chapple

Director, Planning & Lands Government of Nunavut Community and Government Services (CGS) P.O. Box 272, Kugluktuk, NU X0B 0E0

By email: rchapple@gov.nu.ca; kwaslyshen11@gov.nu.ca;

Robert Cooke

Polar Knowledge Canada PO Box 2150 Cambridge Bay NU X0B 0C0

By email: robert.cooke@polar.gc.ca

Dear Mr. Morrison, Mr. Chapple, Prairies and Territories Office; Mr. Cooke:

RE: NPC File # 149568 [Canadian High Arctic Research Station Small Wind Turbine for the Arctic Project]

The following works and activities have been proposed in the above-noted project proposal:

- 1. Conduct an assessment into the impacts of installing small wind turbines at off-grid locations in remote communities and determining the safe operations and effectiveness of such turbines in arctic environments and in consideration of the logistics capabilities in remote northern communities.
- 2. Specific project activities include:
 - Installation of a small 15m high, 6kW wind turbine on the campus of the Canadian High Arctic Station (CHARS) in Cambridge Bay, Nunavut which will be monitored for three (3) years. There is no plan to connect this wind power system to the Cambridge Bay power grid.
 - Turbine will be monitored for ice build-up on blades through vibration and video monitoring and visual inspections and shut down if required. Site location selected, in part, to minimize any potential hazards for ice falling from blades.
 - It is proposed that the energy produced by the turbine will power an existing off-grid shelter on the CHARS campus. The tower will be positioned adjacent to the shelter, in a location selected for optimal wind characteristics, therefore there will be a minimum of 'transmission' line from the turbine assembly to the electronics compartment in a 10ft sea can already on site. It is proposed that this transmission line will run underground.
- 3. Location: Cambridge Bay [CHARS campus].

A complete description of the project proposal reviewed by the NPC can be accessed online using the link below.

The Nunavut Planning Commission (NPC) has determined that this project proposal is outside the area of an applicable regional land use plan and is exempt from screening by the Nunavut Impact Review Board (NIRB). The project proposal does not require screening because it belongs to a class of works or activities set out in Schedule 12-1 of the Nunavut Agreement (NA), and the NPC does not have concerns regarding the cumulative impacts of the project proposal.

By way of this letter, the NPC is forwarding the project proposal to the regulatory authorities identified by the proponent. Project materials are available at the following address:

https://lupit.nunavut.ca/portal/project-dashboard.php?appid=149568&sessionid=

This decision applies only to the above noted project proposal as submitted. Proponents may not carry out projects and regulatory authorities may not issue licenses, permits and other authorizations in respect of projects if a review by the NPC is required.

If you have any questions, please do not hesitate to contact me at at (867) 983-4640

Sincerely,

Solomon Amuno, PhD Senior Planner

Nunavut Planning Commission