Nunavut Research Institute / ᓄᓇᕗᒻᒥ ᖃᐅᔨᓴᖅᑐᓕᕆᔨᒃᑯᑦ
Box 1720, Iqaluit, NU X0A 0H0 phone:(867) 979-7279 fax: (867) 979-7109 e-mail: mosha.cote@arcticcollege.ca

SCIENTIFIC RESEARCH LICENSE

LICENSE NUMBER 03 029 23N-M

ISSUED TO: Hayley Robb
Northern Energy Capital Inc.
Suite 502,151W Hastings St.
Vancouver, British Columbia
V6B 1H4 Canada

TEAM MEMBERS: M.Tawashy,K.Wight,J.Griffiths

TITLE: Chesterfield Inlet Mobile Wind Resource Assessment Project

OBJECTIVES OF RESEARCH:
Northern Energy Capital (NEC), on behalf of Kivalliq Alternative Energy (KAE), will conduct a preliminary renewable energy study in Chesterfield Inlet, Nunavut. The community relies on aging diesel generators to meet local electricity demand. The study will consider using wind energy and battery storage systems to offset the community's reliance on fossil fuels. Unlike diesel energy, wind energy is an unlimited resource that does not cause harmful air pollution and environmental damage. The project's scope is to collect wind data using a sonic detection and ranging (SODAR) device to assess the feasibility of a utility-scale wind energy project. NEC will install the SODAR equipment at the project site approximately 5km from the community of Chesterfield Inlet, where it will measure the wind speed, direction, and frequency for 12 months from Fall 2023-2024.

TERMS & CONDITIONS:
The holder of the licence will be bound by the terms and conditions of the Nunavut Impact Review Board Screening Decision Report and the Department of Culture & Heritage archaeological sites terms and conditions. These terms and conditions will form part of this licence.

DATA COLLECTION IN NU:
DATES: September 1,2023 to October 31,2023
LOCATION: Chesterfield Inlet

Scientific Research License 03 029 23N-M expires on December 31,2023
Issued at Iqaluit, NU on August 23,2023

Per
Jamal Shirley
Science Advisor

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