

# Investigative Plan Suprenant Wind Project

Innergex Ref: 81.44

**Submission Date: May 15, 2018**

## **Section A: Project Overview for Investigative Stage**

Innergex Wind Energy Inc. (Innergex) is assessing the feasibility of a wind power project near Mt. Suprenant and the surrounding unnamed ridges, approximately 28 km south of Chetwynd, BC.

If a renewable energy project results from work done in the investigative phase, the proposed project works will consist of: access roads, wind turbines, a substation, and a transmission line to the point of interconnection with the BC Hydro electricity grid over a maximum 4950 ha site.

During the investigative phase, access to the site will be by motorized vehicles (where existing roads are available) and helicopter (if required).

## **Section B: Map of Area**

A General Location Map showing the proposed investigative area, at a scale of 1:250,000, is attached. Five potential sites for a MET tower, or similar wind measurement technology, at Suprenant are shown on the accompanying General Location Map. Shape files are also provided.

## **Section C: Investigative Schedule**

To better assess the project and determine its feasibility, Innergex proposes to undertake the investigative activities listed in Table 1.

**Table 1: Investigative Plan Activity Schedule**

<b>Project Work Component</b>	<b>Description</b>	<b>Timing (Year)</b>	<b>Potential Impact</b>
<i>Assessment of Wind Resource</i>	A desk-top wind resource model will be prepared for the Suprenant project area based on available regional wind data. The desk-top model of the wind resource for Suprenant will be updated at the end of Year 1 and Year 2.	Year 1 and Year 2	None.
<i>Evaluation of access options</i>	Evaluate access options for the installation of a MET tower, or similar wind measurement technology, based on available mapping.	Year 2	None.
<i>Field reconnaissance</i>	Conduct a field reconnaissance of a possible site location for the MET tower installation, or similar wind measurement technology, within the Suprenant area.	Year 3	None.
<i>Reassess Wind Resource</i>	Reassess desk-top model of wind resource in the Suprenant Wind Project area based on available data.	Year 3	None.
<i>Submission of Occupant Licence to Cut Application</i>	If required, prepare and submit an application for an Occupant Licence to Cut (OLTC).	Year 3	None.
<i>Aeronautical Obstruction Clearance</i>	If required, obtain Aeronautical Obstruction Clearances from Transport Canada for the MET tower location within the Suprenant area.	Year 3	None.
<i>NAV Canada Review</i>	If required, submit MET tower information to NAV Canada for their review.	Year 3	None.
<i>Site Preparation and MET Tower Installation</i>	Prepare the selected site within the Suprenant Project area and Install a MET tower, or similar wind measurement technology.	Year 4	Although proposed MET tower locations have been sited in previously disturbed areas, some clearing of vegetation (maximum of 1 ha) may be required.
<i>Reassess Wind Resource</i>	Reassess desk-top model of wind resource in the Suprenant Wind Project area based on all available data.	Year 4 and Year 5	None.

Project Work Component	Description	Timing (Year)	Potential Impact
<i>Determine Need/Timing for Subsequent Investigations</i>	Additional investigations could include: <ul style="list-style-type: none"> <li>• First Nation consultation regarding a potential wind project.</li> <li>• Environmental surveys.</li> <li>• Installation of up to 3 additional Met towers, or similar wind measurement technology.</li> </ul>	Pending the results of the wind resource assessment and BC Hydro's timeline for energy procurement opportunities <sup>1</sup>	Additional MET towers may require clearing of vegetation (maximum of 4 x 1 ha = 4 ha).
<b>Notes:</b> 1. Innergex intends to pursue BC Hydro's next open call for clean power, or other energy procurement opportunity. As such, timing of these activities is subject to BC Hydro's timeline for these opportunities (currently uncertain).			

**Closing**

This plan is approved by Innergex Wind Energy Inc.

Signed By:

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