



Board Staff Interrogatories

McLean's Mountain Wind LP

Application for Leave to Construct Transmission Line and Associated facilities EB-2011-0394

Note 1):

This document refers to “McLean” or the “Applicant” for McLean’s Mountain Wind LP.

Note 2):

Board staff requests that McLean seek the assistance, as and when appropriate, from other parties in order to provide complete and accurate responses, including:

- Hydro One Networks Inc. Transmission (“Hydro One Transmission”);
- The Independent Electricity System Operator (“IESO”);
- Local Distribution Companies

Interrogatory #1**Reference(s):**

- a) Exhibit B, Tab 1, Schedule 1, page 1, paragraph 6
Exhibit E, Tab 1, Schedule 1, page 4
- b) Exhibit B, Tab 2, Schedule 1, page 1
Exhibit D, Tab 2, Schedule 1, page 2

Preamble:

References a) suggest that the connections switching station will be owned and operated by McLean. The references c) and d) indicate experience with the ownership and operation of generating facilities, but do not specifically mention transmission facilities.

Query/Request:

- 1) References a) Please confirm that McLean will be the owner and operator of the Connection /Switching Station
- 2) What is the Applicant’s experience in building, owning and operating a transmission line, transformer station and switching facilities such as is planned for this application? Please provide examples of such projects undertaken.
- 3) References b) From what remote location will the switching station and other facilities be monitored and controlled?

- 4) Does McLean have, or plan to have, an Operating Agreement with Hydro One and the IESO for control and monitoring?
- 5) Please indicate whether the company intends to make use of contractors. Please identify what the capabilities of any contractors are or would be and provide a summary of the experience of each contractor.

Interrogatory #2

Reference(s):

None

Preamble:

The proposed line would be privately owned and located in areas where other renewable generation facilities could be sited, and that may wish to connect to the line.

Query/Request:

- 1) As a privately owned line, does McLean see the possibility of accommodating requests for other generators to connect to the proposed line?
- 2) On what basis would McLean expect to address such requests and facilitate such connections?

Interrogatory #3

Reference(s):

Exhibit B Tab 1, Schedule 1, paragraph 4.

Preamble:

Board staff requests information about other utilities that may be affected by the proposed transmission line.

Query/Request:

- 1) Please identify all local authorities, operators and owners of electrical distribution and transmission existing facilities, non electrical facilities, such as water pipes, railway lines etc along the route of the proposed transmission line.
- 2) Does the proposed transmission line cross or run parallel in a right of way or road allowance with any other distribution or transmission or other utility facilities?
- 3) For each of the instances identified in part 2) above please provide
 - a) the name of the distribution or transmission authority
 - b) the nature of the utility
 - c) the location of the crossing or parallel section
 - d) the distance for which the other distribution or transmission route runs parallel, or is within 25 metres of the proposed transmission line.
- 4) Please identify any proposed approaches to avoid possible disruption or interference for such facilities.

Interrogatory #4**Reference(s):**

Exhibit B, Tab 1, Schedule 1, page 3 and 4

Preamble:

There were numerous reports provided as part of the REA process, listed on pages 3 and 4 of the reference. The Applicant planned to post the Final REA Application Submission once it is available on the Ministry of Energy's website. The Board will likely be examining the specific routing of the transmission line

and a Leave to Construct usually is subject to the granting of the REA certification. Therefore Board staff seeks information to enable verification that the REA accurately reflects the line for which Leave to Construct has been provided.

Query/Request:

Please:

- 1) Advise of the posting of the Final REA Application;
- 2) Provide a CD or DVD copy of the reports for the record
- 3) Identify the location within those reports in which the routing of the transmission line is identified and can be confirmed as identical.
- 4) Indicate if there are any differences between the routing of the line as reflected in the REA and in the current application.

Interrogatory #5

Reference(s):

- a) Exhibit K, Tab 1, Schedule 1
- b) Exhibit K, Tab 1, Schedule 2

Preamble:

Permits and Approvals for the project are required.

Query/Request:

- 1) Regarding reference a) Please provide an updated list of required permits and approvals for completion of the Facility and include the current status and the timeline for obtaining each permit and approval.
- 2) Regarding reference b) Please indicate if "tenure" for the submarine cable has been granted.

Interrogatory #6

Reference(s):

Exhibit D, Tab 2, Schedule 2 Figure A-2 "Project Components Site Plan".

Preamble:

The referenced drawing is a plan view of the transmission line and various items in the area.

Query/Request:

Please explain what are “noise receptors”, and their purpose.

Interrogatory #7**Reference(s):**

- a) Exhibit E, Tab 1, Schedule 2, “Single Line Diagram” No. E-03“.
- b) Exhibit E, Tab 1, Schedule 3, “115kV-34.5kV Substation Relay Protection Single Line Diagram” No. P09052-EPT-D1-200 “marked “Preliminary for Proposal Use Only”

Preamble:

Board staff request clarification of information in the above drawings.

On the drawing reference a), in note 4 it is stated that “It is proposed that 115kV line from windfarm to HONI S2B will arrive at 90° and the connection point will be at S2B line tower. The tower will be selected later.” This suggests that the location of the termination is not known. This drawing is not marked “preliminary”.

Query/Request:

- a) Regarding reference a) if the location of the switching station was not known at the time the drawing was produced, as is suggested, has it since been fixed?
- b) If the location of the switching station has not been fixed, is the route of the line to be modified in any way?
- c) Regarding reference b) are there any local sources of power at the Grid switching station for charging of the batteries and auxiliary power?
- d) The reference b) drawing indicates a single connection to the local utility. Are there any sources of power at the generating and switching end transformer station for black start purposes? Are they required for safely restoring the line to service following an extended outage?

Interrogatory #8

Reference(s):

- a) Exhibit E, Tab 1, Schedule 4, Typical Sections and Cable Details, Drawing Nos. MM-02 through MM-05
- b) Exhibit E, Tab 1, Schedule 4, "115kV Transmission Overhead Line, Typical Right of Way Detail", Drawing No.1106-P003.
- c) Exhibit D Tab 2, Schedule 1

Preamble:

The drawings of reference a) indicate that a section of the cable lies on the lake bottom and is not enclosed in a trench. Reference c) suggests that the cable at the shorelines will be buried in a trench with a minimum cover of 865mm.

Reference b) shows that where there is no easement the electrical clearance extends over the property line.

Query/Request:

- 1) Reference a) does not indicate how the section of the cable that lies on the bottom of the lake and that is not in a trench will be stabilized. Is there any ballast or other method provided to ensure the cable is fixed in position?
- 2) With regard to reference b) please confirm that it is permissible for the electrical clearance line to extend over property for which there is no Private Right of Way Easement.

Interrogatory #9

Reference(s):

- Exhibit G, Tab 1, Schedule 1

Preamble:

The reference page deals with Land Matters and indicates, at the bottom of the page, that a resolution is expected by the end of December 2011.

Query/Request:

- a) Was an easement for Goat Island resolved by the end of December 2011?
- b) Please provide an update on the negotiations with CPR for easements on Goat Island.

Interrogatory #10**Reference(s):**

Exhibit H, Tab 1, Schedule 2

Preamble:

Over the period during which there were Project Notifications, Public Information Sessions, and the environmental hearings and publications, the project may have changed.

Query/Request:

- a) Please indicate whether in all cases the as-applied-for routing of the transmission line was presented?
- b) if not, please indicate what changes have occurred and when they occurred, and how the information was provided to the public and affected parties.
- c) Please confirm that all directly affected parties were served with the Notice of the Application.

Interrogatory #11**Reference(s):**

Exhibit B Tab 1, Schedule 1, page 4

Preamble:

The list of reports indicates a Decommissioning Report. Board staff wishes to clarify issues around decommissioning.

Query/Request:

- a) Please submit the Decommissioning report or provide a reference where it is publicly available electronically.
- b) Please acknowledge the Applicant's responsibility for removing transmission and related facilities if the Facility construction does not proceed or is interrupted due to unforeseen events such as the inability to acquire or secure rights over the necessary lands or a force majeure event?
- c) Are funds for this purpose set aside, or guaranteed by any means? Please provide details.
- d) Please confirm that decommissioning costs are the responsibility of the Applicant.

Interrogatory #12**Reference(s):**

Exhibit I, Tab 1, Schedule 5

Preamble:

The IESO System Impact Assessment of March 15, 2011 indicates Connection Applicant Requirements of a specific and general nature. Fulfillment of these requirements is usually a condition of approval attached to granting of a leave to construct.

Query/Request:

- 1) Please indicate, for each of the requirements 1 through 20 listed at pages 3 and 4 of the referenced document, McLean's commitment to fulfill these requirements or alternatively why a requirement is not required to be met or an alternative method of satisfying the requirement.
- 2) At page 3 of the referenced document, there is a Transmitter Requirement for incorporation of the subject project. Please advise of any coordination or

agreement between the Transmitter and the Applicant to ensure completion of this requirement, and if this will be done at the expense of the Applicant.

Interrogatory #13

Reference(s):

- a) Exhibit I, Tab 1, Schedule 4, page 10
- b) Exhibit I, Tab 1, Schedule 6

Preamble:

The Hydro One Customer Impact Assessment ("CIA") of March 15, 2011 (reference b)) was reviewed due to change of generator type, and confirms the validity of the original CIA of October 22, 2010 (reference a)). The CIA at reference a) indicates in its Conclusions and Recommendations sections certain requirements. Fulfillment of these requirements is usually a condition of approval attached to granting of a leave to construct.

Query/Request:

- 1) Please indicate what mitigation measures are required regarding the increased short circuit levels on Martindale TS 44kV bus are required, and what arrangements are in place for the Applicant to contribute to the cost.
- 2) Please indicate what arrangements have been made to have "potentially impacted customers" review the adequacy of their equipment. This will likely require communication with Hydro One.

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