

**Board Staff Interrogatories**  
**Leave to Construct Transmission Facilities**

**Greenwich Windfarm LP**  
**EB-2009-0315**

**October 16, 2009**

### **Interrogatory 1**

**Reference:** Exh. J/Tab 1/Sch. 1/Table/pp. 1 to 4

**Preamble:**

The Table referenced above is titled "Other Matters - Table of Required Approvals and Permits", and is current as of the date of the filing of the Application.

**Question/Request:**

- (i) Please provide an update to the referenced table including all permits and approvals that will be required prior to commencement of the proposed project construction
- (ii) In addition to indicating the current status, please provide the timeline for obtaining each permit and approval.

### **Interrogatory 2**

**Reference:** Exh. C/Tab 3/Sch. 1

**Preamble:**

- (1) The Project Schedule referenced above indicates that the Applicant expects OEB approval, by November 6, 2009. As set out in the Board's Performance Standards for Processing Applications, indicates that for a typical application the standard timeline for a written hearing is 130 days from date of the Application; based on that timeline, a decision is likely to be rendered on or about December 19, 2009 in this case.
- (2) The Project Schedule also indicates that the Applicant expects the generation facilities to be in service by November 23, 2010. To meet that deadline, construction mobilization is scheduled for May 14, 2010.

**Question/Request:**

- (i) Please explain the basis for the estimate that Board approval can be secured by November 6, 2009.
- (ii) Please elaborate on the steps the Applicant will take to ensure Project completion by the targeted November 23, 2010 date, assuming Board approval is granted on or about December 19, 2009.

### **Interrogatory 3**

**Reference:** Exh. B/Tab 1/Sch. 1/pp. 2-3/para. 8

**Preamble:**

The paragraph referenced above indicates that an updated and joint SIA and Customer Impact Assessment application was submitted in June , 2009 to reflect a decision to change the type of turbines, and that a Part II SIA is expected to be issued in the fall of 2009, followed by the issuance of a Customer Impact Assessment by Hydro One.

**Question/Request:**

- (i) Please advise when these documents will be issued; and
- (ii) Please confirm that the only changes to the original application relate to the use of different turbines; if there were any additional changes e.g., capacitor banks, voltage control etc., breaker fault level, transformer specifications etc, please advise and describe.

### **Interrogatory 4**

**Reference:** Exh. E/Tab 2/Sch. 1/p. 1/para. 3 (last Paragraph)

**Preamble:**

The paragraph referenced above indicates that the proposed design will be finalized subject to the outcome of detailed geotechnical analysis, which may require the transmission line to be a double poled H-Frame structure.

**Question/Request:**

- (i) Please advise when the detailed geotechnical analysis will be completed.
- (ii) Please advise when the final design of the transmission line is expected to be completed and whether or not a double poled H-Frame was selected for the transmission line.
- (iii) Please indicate the design and construction standards and procedures relating to high voltage including electromagnetic effects with emphasis on equipment integrity and personnel safety from direct and induced currents and voltages.
- (iv) Please advise when the Applicant is expected to complete the site specific soil studies. Please also confirm that based on these studies, the Applicant will install cathodic protection systems for corrosion protection.
- (v) Please confirm that each transmission tower will be labeled using plaques indicating phase and line voltage.

## **Interrogatory 5**

### **Reference:**

- a) Exh. E/Tab 3/Sch. 1 and Sch. 2
- b) Exh. E/Tab 4/Sch.. 1 and Sch. 2

### **Preamble:**

- (1) In Reference a), Schedule 1, the system elements comprising the Substation are listed and in Schedule 2, the general arrangement is depicted in a schematic diagram.
- (2) Similarly in Reference b), the system elements comprising the Switching Station are listed and in Schedule 2, the general arrangement is depicted in a schematic diagram.
- (3) For both the Substation and the Switching Station, it is presumed that upon completion of detailed geotechnical analysis and soil tests, the Applicant will complete its detailed design of both the Substation and the Switching Station in accordance with appropriate standards.

### **Question/Request:**

- (i) Please advise when the detailed geotechnical analysis and soil tests will be completed, and when the final design of the Substation and Switching Station are expected to be completed.
- (ii) Please list the design and construction standards and procedures, relating to high voltage including electromagnetic effects with emphasis on equipment integrity and personnel safety from direct and induced currents and voltages.
- (iii) Please specifically discuss the role of Hydro One Networks Inc., and the Electricity Safety Authority in evaluating and approving the proposed grounding systems to minimize "step and touch" effects in both the Substation and Switching Station.

## **Interrogatory 6**

**Reference:** Exh. G/Tab 3/Sch. 1/p. 1/lines 1 -12

### **Preamble:**

The above noted reference indicates that the proposed route will cross two properties that are privately owned and states:

*"Options to Acquire Transmission Facilities Easement ("Options") have been executed with both private landowners; these options give RES Canada the right to exercise the easement anytime within a seven year period. The terms of the easement have been agreed upon and RES Canada holds the executed easements in escrow until such time as the transmission line is ready to be built. RES Canada is in the process of transferring the Options to Greenwich Windfarm, LP in accordance with section 8.1 of the Options."*

**Question/Request:**

- (i) For each of the two privately owned properties referenced above please advise:
- when the two "Options" agreements were executed; and
  - when the "Transmission Facilities Easements" were signed.

**Interrogatory 7**

**Reference:**

- a) Exh. B/Tab 1/Sch. 1/p. 3/parag. 10 and 11
- b) Exh. H/Tab 1/Sch. 1/p. 2/lines 14 -15

**Preamble:**

- (1) Reference a) states that a "Notice of Completion of the Environmental Screening Report/Environmental Impact Statement" ("ESR") was released on July 13, 2009, and that the 30-day review period would expire on August 11, 2009.
- (2) In Reference b), the Applicant states that:
- "The 30-day review period will expire on August 11, 2009. At the time of filing, no comments or Elevation Requests have been received"*

**Questions/Requests:**

- (i) Please provide an update of the status of the project and advise whether comments or requests to elevate the project to an individual environmental assessment have been received since the date of the Application (Aug 11, 2009).
- (ii) Please confirm that the federal-provincial Memorandum of Understanding with Ontario, which combines the federal screening with the provincial environmental review, is applicable to the Greenwich LP Windfarm;
- (iii) Please confirm that comments and concerns of Natural Resources Canada have been taken into account in preparation of the ESR.
- (iv) Please confirm that there are no federal reports or licences otherwise required in relation to the proposed Transmission Line, Substation or Switching Station connecting the Greenwich LP Windfarm to the Hydro One Transmission System.

**Interrogatory 8**

**Reference:** Exh. H/Tab 1/Sch. 2/Environmental Screening Report/ Environmental Impact Statement, section 4.3, pp. 33 - 40

**Preamble:**

- (1) In the above reference at pages 33 - 34, 18 Aboriginal communities and representative organizations have been identified for communication purposes
- (2) In Reference a), Section 4.3.1 provides a description of the consultation process up to August 11, 2009 (the submission date) of this Application.
- (3) Section 4.3.2 (pages 39-40) indicates that the Applicant is committed to continuing to consult with Aboriginal communities who have asserted that they have potentially affected interests in relation to the Project area.

**Question/Request:**

- (i) Please provide a status update on consultations with Aboriginal communities with regard to the following points:
  - Identify all of the Aboriginal communities that have been contacted in respect of this application.
  - Indicate:
    - 1) how the 18 Aboriginal communities, shown in pages 33-34 of Reference a), were originally identified;
    - 2) Any new Aboriginal communities that were not listed in the above. Reference a), pages 33-34, and how they were identified.
    - 3) For each Aboriginal community, when contact was first initiated;
    - 4) For each Aboriginal community, the individuals within the Aboriginal community who were contacted, and their position in or representative role in the community;
    - 5) For each Aboriginal community a listing, including the dates, of any phone calls, meetings and other means that may have been used to provide information about the project and hear any interests or concerns of that Aboriginal community with respect to the project.
- (ii) Provide relevant information gathered from or about each of the Aboriginal communities concerning its treaty rights, or any filed and outstanding claims or litigation concerning its treaty rights or treaty land entitlement or Aboriginal title or rights, which may potentially be impacted by the project.
- (iii) Provide any relevant written documentation regarding consultations, such as notes or minutes that may have been taken at meetings or from phone calls, or letters received from, or sent to, each of the Aboriginal communities.
- (iv) Identify any specific issues or concerns that have been raised by each of the Aboriginal communities in respect of the project and, where applicable, how those issues or concerns will be mitigated or accommodated.
- (v) Explain whether any of the concerns raised by each of the Aboriginal communities with respect to the applied-for project have been discussed with any government department or agencies, and if so, identify when contacts were made and who was contacted.
- (vi) If any of the Aboriginal communities who were contacted either support the application or have no objection to the project proceeding, identify those Aboriginal communities and provide any available written documentation of their position. Also, indicate if their positions are final or preliminary or conditional in nature.

- (vii) Provide details of any known Crown involvement in consultations with Aboriginal communities in respect of the applied-for project.

-End of document-