



The Corporation of Loyalist Township
P.O. Box 70, 263 Main Street Odessa, ON K0H 2H0

t: 613-386-7351 f: 613-386-3833 www.loyalist.ca

September 18, 2017

Algonquin Power Co.
354 Davis Road
Oakville, Ontario
L6J 2X1

Attn: Ariel Bautista, Senior Project Manager

Dear Mr. Bautista:

**Re: Review of Draft Pre-construction Study – Windlectric Project
Preliminary Comments on August 29, 2017 Submission**

Our detailed review of this most recent submission is ongoing, and includes additional information provided after August 29th, 2017. The following comments are provided:

1. It is expected that all responses provided by Algonquin shall be incorporated into the Pre-Construction Study. This will be confirmed with the next submission.
2. It is expected that all additional commitments being made by Windlectric will be included in the Pre-Construction Study. This will be confirmed with the next submission.

B.02 Culvert Conditions – September 11, 2017

3. Item 4 of the document 'Windlectric Reply to LT Comments to PCS v5 September 8, 2017 – September 11, 2017' notes that culverts will be bridged if permit conditions do not allow replacement. Algonquin should know by now whether the Cataraqui Region Conservation Authority (CRCA) has any objections to the replacement of the identified culverts. This should be confirmed by Algonquin and all references to 'subject to permitting' should be removed from the document.
4. Item 5 of the document 'Windlectric Reply to LT Comments to PCS v5 September 8, 2017 – September 11, 2017' notes 150mm of aggregate over the bridging plate; Please confirm this will be 200mm as indicated on drawing MR289.
5. Item 6 of the document 'Windlectric Reply to LT Comments to PCS v5 September 8, 2017 – September 11, 2017' confirms the intent to use 2 bridging plates over the culverts to maintain traffic in both direction. This should be added to drawing MR289, either in the section or as a note.
6. Please confirm that drawing C100 is C100-ENT.
7. The document identifies 20 culverts for replacement. On what basis have you determined 12 of these culverts can remain in place?

8. There is contradictory information in the document regarding the 16 culverts that could not be assessed. Please confirm what will be done with these culverts with consideration for Comment 3. above.
9. A minimum of ten (10) business days are required to review all submissions.

D. Pre-Construction Preparatory Work

10. Electrical

- a. Fiber Optic Pull Boxes have been added to the legend. The locations of the Fiber Optic Pull Boxes should be shown on the plan layouts for E402A.
- b. Notes and legends on E402A are repeated on sheets 1 through 10. Only notes and legends that are applicable to the layout/drawing are to be shown on the layout.
- c. Fiber optic specifications have not been provided. Please submit for review.
- d. Note #7 on Dwg E407A should be shown on all drawings.

PCS Section H – Post-Construction Remedial Specifications – 11 September 2017

11. It is noted that this document discussed construction more than remediation; any non-relevant items should be removed from the document.
12. This document must be updated to reflect current proposed construction, specifically removal or rewording of all references to capping.
13. Paragraph 4 states 'This specification outlines the requirement to return the Municipal Infrastructure to existing pre-construction conditions or better.' This is contrary to paragraph 3 and Clause 19 (h) of the Road Use Agreement.
- 14.3.1 Topsoil Stripping
 - a. Confirm practicality of stripping 50mm of topsoil.
 - b. MR series drawings should include notes where topsoil will be windrowed alongside the existing municipal right of way and where topsoil will be removed from the site and stockpiled elsewhere.
 - c. All disturbed grass areas currently being maintained (cut) are to be restored with topsoil and sod; unmaintained grass areas are to be restored with topsoil and seed. These areas should be noted on MR series drawings.
- 15.3.3 Municipal Road Upgrades
 - a. Please provide additional details on how granular material removed from temporary improvements will be managed. Use of granular material to regrade agricultural lands is unacceptable.
- 16.3.6 Culverts
 - a. 'as a result of construction and turbine deliveries' should be amended to 'as a result of construction and turbine deliveries as determined by the municipal engineer'
 - b. There is no discussion about the removal of the bridging plates installed over culverts.
- 17.4.2 Survey Control

- a. This section should be updated to include a statement that all legal survey monuments disturbed or destroyed during construction shall be replaced, by an Ontario Land Surveyor, at the Contractor's expense.

Yours truly,



David MacPherson, C.E.T.
Public Works Manager
DM/ka

CC: Bob Maddocks
Dave Thompson
Murray Beckel
Dan Fencott, G.D. Jewell Engineering
Guy Laporte, G.D. Jewell Engineering
Tony Fleming, Cunningham Swan