



NEWFOUNDLAND AND LABRADOR  
**BOARD OF COMMISSIONERS OF PUBLIC UTILITIES**  
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2019-08-22

Ms. Shirley Walsh  
Senior Regulatory Counsel  
Newfoundland and Labrador Hydro  
P.O. Box 12400  
Hydro Place, Columbus Drive  
St. John's, NL A1B 4K7

Dear Ms. Walsh:

**Re: Newfoundland and Labrador Hydro - Reliability and Resource Adequacy Study  
TP-TN-068 Application of Emergency Transmission Planning Criteria for a Labrador  
Island Link Bipole Outage - Further Information**

On July 31, 2019 Hydro submitted TP-TN-068, a technical note on transmission planning criteria for a Labrador-Island Link Bipole Outage. Conclusion 6 of the submission recommends that Emergency Transmission Planning Criteria be adopted while the Reliability and Resource Adequacy Study process is ongoing. Hydro notes that the recommendation would result in the following outcomes upon implementation:

- a. "If no incremental capacity or imports are available within the IIS, the possible customer impacts due to transmission system restrictions would only occur as a result of thermal overloads following the loss of TL217, which would require load shedding."
- b. "If incremental capacity is imported over the ML, there is an increased risk of customer impact due to transmission system limitations. Outages to TL201 or TL217 would require load shedding to avoid overload conditions. There would also be an exposure to system instability in the event of a three-phase fault at Bay d'Espoir terminal station; however, such events are not considered as part of Transmission Planning Criteria."

Please confirm that Hydro is recommending temporary adoption of the Emergency Transmission Planning Criteria while the Reliability and Resource Adequacy Study is being reviewed. Please also advise what steps are necessary for Hydro to implement this recommendation and provide a status update on the development of the operational considerations required as outlined on page 11 of TP-TN-068.

Using the same base case scenarios as presented in the report, please outline the expected outcomes of the Emergency Transmission Planning Criteria in the event of a Labrador-Island Link bipole outage was not adopted and transmission system upgrades were not implemented. Please include the amount of additional load that would have to be shed and the estimated corresponding number of additional customers affected by outages.

In addition, please quantify or otherwise describe the impact to the overall IIS as a result of the implementation of the Emergency Transmission Planning Criteria. In doing so, please outline the types of events that could result in a voltage collapse on the IIS that otherwise may not have occurred if the Emergency Transmission Planning Criteria is implemented.

Please provide this information at your earliest. If you have any questions, please do not hesitate to contact the Board's Legal Counsel, Ms. Jacqui Glynn, by email, [jglynn@pub.nl.ca](mailto:jglynn@pub.nl.ca) or telephone (709) 726-6781.

Sincerely,



Sara Kean  
Assistant Board Secretary

SK/cj

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