

1 Q. **Reference: Failure Investigation Report – L3501/2 Pole Assembly Turnbuckle Failure – Failure**
2 **Event February 2021 in Labrador (2021 Turnbuckle Failure Report).**

3 Explain how Hydro intends to revise its maintenance and/or repair plans for the LIL as a result of
4 lessons learned during the repairs required as a result of the January and February, 2021 outage
5 events in Labrador.

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8 A. Newfoundland and Labrador Hydro (“Hydro”) has made a number of revisions to its
9 maintenance and repair plans for the Labrador-Island Link (“LIL”) following the events
10 experienced in January and February, 2021. These include:

- 11 ● Immediate commencement of 24/7 snow clearing operations for failures that require
12 extensive equipment onsite.
- 13 ● Use of aerial based ice removal techniques. Through the investigation it was identified that a
14 dedicated ice removal effort would likely reduce further damage and improve job site
15 safety. Churchill Falls (Labrador) Corporation Limited (“CF(L)Co”) has developed the required
16 work procedures and has begun training its helicopter pilots on ice removal techniques. In
17 addition, a contract will be established with a third party for ice removal services in advance
18 of winter 2021–2022.
- 19 ● Procurement of additional tools. Following the investigation, a gap closure was completed
20 on critical tools required to complete repairs associated with the January and February
21 failure events. Hydro is currently procuring all tools that were identified in this gap closure
22 analysis.
- 23 ● Improvement of implode conductor splicing capability. Training is underway which would
24 enable employees to use implodes and to have temporary storage alternatives for implodes
25 in place that can be implemented efficiently. This would provide crews with additional
26 options when implementing emergency repairs, as crews would be capable of completing
27 both compression and implode connections.

- 1 ● Use of extended working days. Support resources would be deployed outside of the normal
2 work hours to have the work site and equipment prepared and ready for the arrival of the
3 line crews during the work day.

4 As noted in Hydro’s correspondence of July 30, 2021,¹ updates to the LIL emergency response
5 plan as a result of the failure investigations will be filed in the fourth quarter of 2021.

¹ “Reliability and Resource Adequacy Study Review – Update on Additional Considerations Regarding Labrador-Island Link Reliability Assessment,” Newfoundland and Labrador Hydro, July 30, 2021.