

1 Q. **Reference: Failure Investigation Report – L3501/2 Pole Assembly Turnbuckle Failure – Failure**
2 **Event February 2021 in Labrador (2021 Turnbuckle Failure Report), page 14.**

3 Explain the actions Hydro is taking to address the recommendations to add air spoilers in certain
4 sections of the LIL to prevent galloping, to undertake a galloping study, to check the turnbuckle
5 installation and to review the dead-end design.

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8 A. Air spoilers will be installed at locations where galloping is known to occur in the region over
9 seven spans where the galloping failure event occurred in southern Labrador. Newfoundland
10 and Labrador Hydro (“Hydro”) had positive results in the past using air flow spoilers on areas
11 prone to galloping on transmission lines. The installation of spoilers has been delayed until 2022
12 due to material availability.

13 For the remainder of the Labrador-Island Link (“LIL”) line length, Hydro is currently investigating
14 the possibility of completing a galloping study to verify if it can be determined which, if any,
15 other spans on the LIL would be susceptible to galloping.

16 A full inspection of the LIL in Labrador using aerial drones has occurred with visual inspections
17 completed on all turnbuckles. No further issues were identified through this inspection process.
18 As an added layer of protection, securing chains and locks have been installed across the
19 turnbuckles on ten structures in the area that is prone to galloping.