

1 Q. **Reference: Failure Investigation Report – L3501/2 Tower and Conductor Damage, Icing Event**
2 **January 2021 in Labrador (January 2021 Icing Event Report), page 73.**

3 What is the status of the investigation into the suspected galloping and vibration issues?
4

5
6 A. The vibration study is ongoing to monitor the performance of the vibration dampers on the
7 Labrador-Island Link (“LIL”). Vibration monitors were installed on the LIL in Labrador and are
8 collecting data for three months this fall as required for the vibration study. This vibration study,
9 which is outside of the failure investigation scope and is focused on understanding long-term
10 vibration damper performance, is expected to be completed in the first quarter of 2022. With
11 respect to galloping, air spoilers will be installed at locations where galloping is known to occur.
12 Newfoundland and Labrador Hydro (“Hydro”) has had positive results using air flow spoilers on
13 areas prone to galloping on transmission lines within its system in the past. The installation of
14 these spoilers has been delayed until 2022 due to material availability. Power Supply is currently
15 investigating the possibility of completing a galloping study to verify if it can be determined
16 which spans on the LIL would be susceptible to galloping. Please refer to Hydro’s response to
17 PUB-NLH-219 for further information with respect to galloping.