Q. **Newfoundland and Labrador Hydro – Near-Term Reliability Report, May 15, 2020**

Other Near-Term Issues

Following successful completion of the LIL's trial operation period, please describe:

a. Whether and if so how commissioning at higher power will proceed, with up to 450MW being transmitted.

b. Whether and if so how operation at higher power than 225MW will depend on the availability of synchronous condensers.

c. Whether and if so how and for how long a trial operation period will be required before continuous operation at 450MW is permitted.

d. Please explain the reason for the maximum limit for operation of the LIL with the interim software, noting that the report "Stage 4D LIL Bipole: Transition to High Power Operation" found that operation up to 900MW was possible when exporting 500MW on the ML, and at up to 550MW without the ML in service.

A. a. Following the successful completion of the Labrador-Island Link ("LIL") trial operation period, LIL capacity limits would be set in accordance with the results presented in the "Stage 4D LIL Bipole: Transition to High Power Operation" study. Please note, it is not uncommon for high powers to be unavailable for testing owing to system limitations such as required load; therefore acceptance must be based on the available system limitations, past tests and studies, and good engineering judgement.

b. Please see Newfoundland and Labrador Hydro's ("Hydro") response to part c. of PUB-NLH-149.

c. For continuous operation of the LIL a high capacity, there would be a requirement that key functionality (such as runbacks and pole compensation) are established, that sufficient

testing has been completed, and that sufficient operational data has been collected to demonstrate that the risk of pole and bipole trips have been reduced to an acceptable level. Specific criteria relating to the aspects outlined above will be developed as part of the testing and commissioning process. Operational readiness recommendation documents shall be submitted to Hydro by Nalcor Energy to demonstrate that requirements have been met. This document shall include descriptions of operational risks as well as mitigation plans.

d. As per Hydro's response to part a., LIL capacity limits following successful completion of the LIL's trial operation period would be set in accordance with the results presented in the "Stage 4D LIL Bipole: Transition to High Power Operation" study.