Q. **Reference: Reliability and Resource Adequacy Study 2022 Update, Volume III, page 27-28.**

In view of the analysis of an extended LIL bipole outage state whether it is correct to expect that an outage is more likely to be multi-versus single-day, and either way, how Hydro interprets, calculates, and uses the 1 day in 10 criterion.

A. Different issues can result in bipole outages of the Labrador-Island Link ("LIL"), such as structural failures or software issues, which could result in single- or multi-day outages. At this time, Newfoundland and Labrador Hydro ("Hydro") does not have the operational data, post-LIL commissioning, to conclude the duration of outage that would be more likely. As stated in the Reliability and Resource Adequacy Study – 2022 Update, [1] this information will be available for system planning purposes after Hydro has several years of operational experience with the LIL.

Hydro's approach to calculating loss of load expectation ("LOLE") remains the same as in the previous filings within the *Reliability and Resource Adequacy Study Review* proceeding. As stated in the original Reliability and Resource Adequacy Study, Hydro interprets LOLE as "the expected number of days each year where available generation capacity is insufficient to serve the daily peak demand." [2] It calculates LOLE by taking the sum of the probability of outage for each daily peak hour in a year.

[1] "Reliability and Resource Adequacy Study – 2022 Update," Newfoundland and Labrador Hydro, October 3, 2022, vol. I, p. 16/3–9.
[2] "Reliability and Resource Adequacy Study," Newfoundland and Labrador Hydro, rev. September 6, 2019 (originally filed November 15, 2018), vol. I, s. 2, p. 11.