Q. **Reference: Reliability and Resource Adequacy Study – 2022 Update, Volume III: Long-Term Resource Plan, October 3, 2022, page 19, lines 2-5.**

> However, it is Hydro's view that the exact extreme combined wind and ice load scenarios suggested by Haldar & Associates are not supported by historical data at this time. In response, Hydro has invested in the installation of weather stations in these zones to monitor these conditions to inform if any structural investments are required.

a) Please provide the historical data referenced above.

b) Please provide the maximum wind and ice measurements that have been recorded in each LIL climatic zone.

c) Please provide any wind and ice measurements taken at the time and place of any LIL component damage or failures.

A. **a)** For the historical data referenced in the "Reliability and Resource Adequacy Study – 2022 Update,"[1] please refer to Newfoundland and Labrador Hydro's ("Hydro") response to PUB-NLH-265 of this proceeding.

b) One weather station was installed in southern Labrador in the fall of 2022. Data for a full winter season is not yet available but can be provided once it is collected. Another weather station is planned for installation in central Labrador in 2024 pending budget approval. The data from these weather stations will be used to better understand the weather conditions and performance of the Labrador-Island Link in remote regions of Labrador. This in turn will be used as inputs into system planning decisions going forward.

c) Please refer to "Reliability and Resource Adequacy Study – Additional Considerations of the Labrador-Island Link Reliability Assessment and Outcomes of the Failure Investigation

[1] "Reliability and Resource Adequacy Study - 2022 Update," Newfoundland and Labrador Hydro, October 3, 2022, vol. III, p. 19/2–5.

Findings" [2] for data collected, weather modelling, and observation during previous failure investigations. Failure investigations are being completed on recent failure incidents, which will be provided to the Board of Commissioners of Public Utilities once complete.

[2] "Reliability and Resource Adequacy Study – Additional Considerations of the Labrador-Island Link Reliability Assessment and Outcomes of the Failure Investigation Findings," Newfoundland and Labrador Hydro, December 22, 2021.