

1 Q. **Reference: Reliability and Resource Adequacy Study – 2022 Update, Volume I: Study**
2 **Methodology and Planning Criteria, October 3, 2022, page 12, lines 9-11 and response to**
3 **Request for Information NP-NLH-049, Attachment 1, Table 1.**

4 To provide a fulsome view of the impacts of LIL reliability on the Island
5 Interconnected System, an additional case analysis was completed that
6 considers the bipole loss of the LIL as a single contingency (i.e. energy-only line).

7 Please describe whether Hydro’s proposed reliability criteria for the planning and operation of
8 the Island Interconnected System conforms to Northeast Power Coordinating Council (“NPCC”)
9 single event contingency requirements as it relates to the “simultaneous permanent loss of both
10 poles of a direct current bipolar facility.”

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13 A. In accordance with NERC Standard TPL-001.4 – Transmission System Planning Performance
14 Requirements,¹ the loss of a bipolar dc line is categorized as a ‘P7 Multiple Contingency.’ In such
15 a case, system stability must be maintained while the interruption of transmission service and
16 load loss is permitted. This matches Newfoundland and Labrador Hydro’s Transmission Planning
17 practices for the Labrador-Island Link and the Maritime Link.

¹ North American Reliability Corporation. (2014) Standard TPL-001-4, *Transmission System Planning Performance Requirements* (version 4), p.10,
<<https://www.nerc.com/pa/Stand/Reliability%20Standards/TPL-001-4.pdf>>.