

1 Q. **Reference: Hydro’s April 30, 2020 letter Re: Reliability and Resource Adequacy Study Review**
2 **– Assessment of As-Designed Capacity of the Labrador-Island Link.**

3 *“EFLA’s report will be used together with the Assessment of LIL Reliability in Consideration of*
4 *Climatological Loads, currently underway by Haldar & Associates Ltd., to inform Hydro’s*
5 *probabilistic failure analysis in determining overall line reliability.”*

6 Please provide a detailed description of the work that Haldar & Associates, or its principals,
7 completed in relation to the LIL prior to the work that is currently underway.

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10 A. In 2009, prior to the sanction of the Muskrat Falls project, Dr. Haldar prepared a draft
11 assessment which contemplated the trade off between cost and reliability associated with the
12 return period of a proposed +/-450 kV HVdc transmission line which would deliver energy from
13 the proposed Gull Island facility to the Island Interconnected System. This draft assessment also
14 included a potential probabilistic methodology which could be considered when assessing costs
15 associated with increasing return period.

16 Ultimately, it was decided that the Muskrat Falls project was the least-cost option for domestic
17 requirements and the Labrador-Island Link (“LIL”) was subsequently designed and constructed
18 to deliver energy from the Muskrat Falls project to the Island Interconnected System using a +/-
19 350 kV HVdc transmission line. The final existing LIL design and construction are materially
20 different than that contemplated in the draft assessment and will form the basis of the work
21 currently underway by Haldar and Associates Inc.