

1 Q. **Reference: 2021 Capital Budget Supplemental Application Approval of the Construction of**  
2 **Hydro’s Long-term Supply Plan for Southern Labrador – Revision 1 – Safe and Reliable Power**  
3 **Supply to Charlottetown – Reply, Attachment 1, Southern Labrador Communities - Integrated**  
4 **Resource Plan Response to Newfoundland and Labrador Board of Commissioners of Public**  
5 **Utilities Information Request Issues Aug 1, 2023, page 14 of 74.**

6 This scenario involves the construction of a Regional Plant near PHS, along with  
7 the 25 kV interconnection of the Southern Labrador communities.

- 8 a) Why did Midgard only consider the immediate interconnection of the Southern  
9 Labrador communities and not the phased approach (Alternative 3a) previously  
10 considered by Hydro?
- 11 b) Please provide an assessment of Alternative 3a under the sensitivities prescribed by the  
12 Board in its letter of August 1, 2023.
- 13 c) Please revise Table 9, page 27 of 74, Figure 3, Table 10 and Table 11, page 28 of 74 to  
14 include Alternative 3a into the analysis.

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17 A. a) Midgard Consulting Inc. (“Midgard”) evaluated the phased approach in the “Southern  
18 Labrador Communities – Integrated Resource Plan” (“Midgard IRP”),<sup>1</sup> filed with the Board of  
19 Commissioners of Public Utilities (“Board”) on March 31, 2023,<sup>2</sup> as scenario F(iii). This  
20 scenario was not included in the request for further analysis from the Board and was  
21 therefore not rerun.

22 b) The results of Scenario 3a (Phased Regional) are included in Appendix A and B of Midgard’s  
23 report “Analysis of Additional Southern Labrador Scenarios Requested Through Information  
24 Requests NP-NLH-093 and PUB-NLH-099 (“Midgard Report”),” provided in Hydro’s response  
25 to PUB-NLH-097, Attachment 1 of this proceeding. The current assessment of the “Regional

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<sup>1</sup> “Southern Labrador Communities – Integrated Resource Plan,” Midgard Consulting Inc., March 28, 2023.

<sup>2</sup> “Long-Term Supply for Southern Labrador – Phase 1 – Midgard Consulting Inc. Report,” Newfoundland and Labrador Hydro, March 31, 2023, att. 1.

1           Plant” assumes that the Regional Plant will be constructed adjacent to the Port Hope  
2           Simpson Diesel Generating Station, while Scenario 3a (Phased Regional) selected a site  
3           roughly 2 km from the existing diesel generating station. Since this request is for Scenario 3a  
4           (Phased Regional), an additional 2 km transmission line has been added to service Port Hope  
5           Simpson from the Regional Plant. Removal of this cost (\$300,000) does not change the  
6           relative rankings of the scenarios. This scenario is not recommended, as the significant  
7           additional operating costs of maintaining the St. Lewis and Port Hope Simpson Diesel  
8           Generating Stations (when their loads could be served by a Regional Plant) more than offset  
9           the cost savings of deferring the interconnection of these two communities.

10          **c)** Detailed analysis of Scenario 3a (Phased Regional) including the sensitivity analysis is  
11          included in the Midgard Report and includes the requested (updated) tables and figures.