

1 Q. Hydro has stated that its proposed solution will increase the amount of renewable power that
2 can be integrated into the southern Labrador system.

3 a) Please confirm that the interconnection of the communities, without a localized diesel
4 generating plant, would increase the amount of renewable power that can be
5 integrated into the southern Labrador system.

6 b) Is Hydro able to provide details on the amount of renewable penetration that could be
7 attributable to the interconnection of the communities versus the consolidation of the
8 localized diesel generating plants into one centralized diesel generating plant? If yes,
9 please provide the analysis. If no, please explain.

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12 A. a) Interconnection of the communities, without a localized diesel generating plant, would
13 create a more favorable configuration for maximizing renewable energy potential in the
14 region than continued operation of four separate isolated systems. Most of the benefits of
15 Newfoundland and Labrador Hydro's ("Hydro") proposed solution, summarized in Hydro's
16 response to NCC-NLH-005 of this proceeding, detailed in Hydro's response to PUB-NLH-001
17 of this proceeding, and referenced in Section 4.4.4 of Midgard Consulting Inc.'s ("Midgard")
18 "Southern Labrador Communities - Integrated Resource Plan" ("Midgard IRP"),¹ filed with
19 the Board of Commissioners of Public Utilities on March 31, 2023,² would remain, with the
20 exception of the provisions for future integration of renewable sources included in the
21 design of the regional diesel plant.

22 b) Hydro is not able to provide any additional details beyond what has already been provided
23 in Hydro's Southern Labrador Renewable Energy Study,³ the Labrador Interconnection

¹ "Southern Labrador Communities - Integrated Resource Plan," Midgard Consulting Inc., March 28, 2023.

² "Long-Term Supply of Southern Labrador – Phase 1 – Midgard Consulting Inc. Report," Newfoundland and Labrador Hydro, March 31, 2023, att. 1.

³ "Long-Term Supply for Southern Labrador – Revision 1," Newfoundland and Labrador Hydro, rev. May 31, 2023 (originally filed July 16, 2023), sch. 1, att. 1, app. B.

1 Options Study,⁴ the Midgard IRP, and Hydro’s responses to requests for information such as
2 PUB-NLH-001 of this proceeding. The additional details would not be available until specific
3 projects at particular sites were advanced to the stage where proponents are identified,
4 interconnection costs are estimated, government funding is identified, and technical and
5 economic studies are complete.

⁴ “Labrador Interconnection Options Study – Final Report,” Hatch Ltd. November 10, 2020.
<http://www.pub.nl.ca/applications/NLH2021Capital/NLH2021Capital_SUPP_Phase1SouthernLabrador/rfis/LAB-NLH-015%20-%20Revision%201.PDF>