

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 2, Summary of Technical Note RP-TN-089,**
4 **page 9 of 25, Table 9.**

5 a) Please confirm that the total cost for auxiliary equipment upgrades in Port Hope
6 Simpson, St. Lewis and Mary’s Harbour is \$34,944,000. How does this cost compare
7 with the cost of rebuilding the Charlottetown plant?

8 b) Upon the retirement of existing diesel plants and the construction of a like-for-like
9 replacement, (2030 for Mary’s Harbour, 2035 for Port Hope Simpson, and 2045 for St.
10 Lewis) will the assets previously installed as a result of the auxiliary equipment upgrades
11 remain in service?

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14 A. a) It is confirmed that the total cost for auxiliary equipment upgrades in Port Hope Simpson,
15 St. Lewis and Mary’s Harbour is \$34,944,000. Please refer to Newfoundland and Labrador
16 Hydro’s response to PUB-NLH-100 of this proceeding for more information on the total cost
17 for auxiliary equipment upgrades. The estimated cost to replace the Charlottetown Diesel
18 Generating Station is included in Midgard Consulting Inc.’s (“Midgard”) report “Response to
19 Newfoundland and Labrador Board of Commissioners of Public Utilities Information
20 Request, Issued Aug 1, 2023 (“Midgard Report”).¹ A detailed comparison of the
21 interconnection of the existing diesel generating stations (Interconnect Existing) and the
22 replacement of the Charlottetown Diesel Generating Station (Islanded Operation) is also
23 provided in the Midgard Report.

24 b) In the Interconnect Existing scenario involving the retirement of existing diesel generating
25 stations, the bulk of the assets installed as a result of the auxiliary equipment upgrades

¹ “Newfoundland and Labrador Hydro – 2021 Capital Budget Supplemental Application Approval of the Construction of Hydro’s Long-term Supply Plan for Southern Labrador – revision 1 – Safe and Reliable Power Supply to Charlottetown – Reply,” Newfoundland and Labrador Hydro, October 5, 2023, att. 1, p. 19 of 74, Table 5.

1 would not be expected to remain in service, with the exception of the new substation
2 transformers. The transformers would likely be reused but may need to be relocated.
3 Whether additional assets could be reused would depend on how outages are managed and
4 the level of temporary generation used during the switchover between diesel generating
5 stations; this would require further evaluation during project planning and execution.