

1 Q. Hydro’s correspondence dated October 5, 2023, Attachment 2, page 13 of 25. Table 14 outlines
2 the schedule for interconnection of existing plants (Option 6) with commissioning occurring in
3 Q4 2030. The schedule depicts only one of the DGS Auxiliary Equipment Upgrades being
4 completed per year beginning with Port Hope Simpson in 2026. Please detail the advantages
5 and disadvantages of completing two or more of the Auxiliary Equipment Upgrades in a one-
6 year timeframe rather than the three-year time frame currently allocated.

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9 A. As outlined in the Summary of Technical Note RP-TN-089,¹ upgrades at each diesel generating
10 station (Port Hope Simpson, St. Lewis, and Mary’s Harbour) will require two construction
11 seasons over two years to feasibly complete the required upgrades while utilizing mobile
12 generation and temporary substations. As noted in the schedule provided in Table 14,² this
13 option is already considered to be condensed, with specific milestones identified for each
14 construction season/year to minimize risk reliability issues and outages during winter months
15 and outside of our construction windows with each site.

16 Generally, the first year of execution for each site would involve installing mobile generation
17 and supplying the community/communities with a temporary substation. This would be
18 followed by building interior upgrades to permit switchgear upgrades, which would allow for a
19 return-to-plant generation prior to winter to avoid the reliance on mobile generation.

20 The second year of execution would involve building the new substation, completing voltage
21 conversion, and installing fire suppression. As noted in the schedules provided, Year 1 of
22 execution in St. Lewis would start during Year 2 of execution in Port Hope Simpson, and Year 1
23 of execution in Mary’s Harbour would start during Year 2 of execution in St. Lewis.

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. 2, sec. 4.2, pp. 12–13 of 25.

² “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. 2, p. 13 of 25, Table 14.

1 While there would be advantages to complete the full work scope on any or all of these sites
2 within one year, this is not considered feasible and would result in considerable reliability risks.
3 Simultaneous execution at multiple sites would require extensive mobile generation and
4 temporary substation equipment. This option would require further investigation to confirm
5 viability, as noted in previous submissions.