

1 Q. **Reference: Schedule 2, Five-Year Capital Plan including Major Projects (2027–2031) page 16**

2 For the Rigolet Diesel Generating Station:

3 **a)** Identify all capital work, including the year, scope and cost completed during the past
4 five years (2022–2026) involving any replacement, upgrade or overhaul of the
5 generating units.

6 **b)** Identify any planned capital work from 2027 onward, including the nature of the work,
7 expected timing and estimated cost.

8 **c)** What alternatives, other than replacement, has Hydro considered for the Rigolet diesel
9 plant?

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12 A. **a)** Please see Table 1 for a listing of all capital work related to replacement, upgrade or
13 overhaul of the generating units and associated equipment, including fuel storage, at the
14 Rigolet Diesel Generating Station from 2022–2026.

Table 1 – Capital Work at the Rigolet Diesel Generating Station 2022–2026

Year Scope of Work Complete	Program or Project Title	Completed Scope of Work at Rigolet	Expenditures and Forecast ¹ (\$000)
2022	Replace Automation Equipment	Plant automation equipment replacement	220.8
2022	Overhaul Diesel Units	Unit 2081 genset replacement	237.6
2022	Overhaul Diesel Units	Unit 2101 engine replacement	103.7
2023	Diesel In-Service Failures	Unit 2065 engine parts replacement	145.4
2023	Overhaul Diesel Units	Unit 2065 engine replacement with a re-manufactured engine ²	271.6
2024	Diesel In-Service Failures	Unit 2101 turbochargers replacement	29.0
2025	Unit 2065 Replacement and Fuel Storage Upgrades	Installation of five new fuel storage tanks	1,630.8
2026	Diesel In-Service Failures	Unit 2081 refurbish engine	77.7
2026	Overhaul Diesel Units	Unit 2081 replace engine ³	126.0
2026 (planned)	Unit 2065 Replacement and Fuel Storage Upgrades	Unit 2065 genset replacement and associated equipment	2,213.1
2026 (planned)	Inspect Fuel Storage Tanks - Rigolet	Inspection and refurbishment of fuel storage Tanks 12D and 12G	898.3

b) Please see Table 2 for a listing of all capital work forecast in Rigolet from 2027–2031.

Table 2 – Future Capital Work in Rigolet

Title	Nature of Work	Expected Timing	Estimated Cost (\$000)
Renew Diesel Units (2027)	Unit 2101 engine renewal	2027	175.0
Diesel In-Service Failures	Unit 2101 generator replacement	2027	70.0

- 1 c) Newfoundland and Labrador Hydro (“Hydro”) is considering the following alternatives:
- 2 • Refurbishment;
- 3 • Refurbishment and plant expansion, and
- 4 • Grid interconnection.
- 5 Hydro will provide a fulsome analysis in its proposal indicating its selected alternative.

¹ Amounts for work completed in 2022 to 2025 are actual expenditures. Amounts for work planned to be completed in 2026 are expenditures and forecast.

² A partial failure of the Unit 2065 occurred in February 2023; a repair was made to the unit until a scheduled engine replacement could be completed later that year. The repair did not renew the entire engine, as the majority of the components were at the end of their useful service life; therefore, the new engine was required.

³ The Unit 2081 engine failed and required refurbishment in 2026 under the In-service failures program. The refurbished engine failed again and Hydro then replaced the engine in 2026 under the Overhaul Diesel Units program.