

1 **Q. Reference: 2025 Capital Budget Application, Project 13, Replace Roof – Hopedale.**

2 **a)** Did Hydro evaluate the cost of replacing the original roof which is 34 years old while
3 maintaining the building extension roof which has been in service for 12 years?

4 **b)** Please explain why the building extension roof is in need of replacement after 12 years
5 of service.

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8 **A. a)** Newfoundland and Labrador Hydro (“Hydro”) did not evaluate the cost of only replacing the
9 original 34-year-old roof section as the condition of the building extension roof section
10 requires replacement. While the roof consists of sections with two different ages, the roof
11 remains as a single unit with uniform elevations and slopes. Water infiltration has occurred
12 across the entire roof and repairs have only provided temporary relief. Replacing only the
13 original roof section would not fully address the leakage issues, and the potential for leaks
14 to disrupt operations and impact system reliability would remain. As seams are typically the
15 weak point for water infiltration, replacing the entirety of the existing roofing system at
16 once to prevent designing joins and raising the seams above water level are key advantages
17 to prevent future leaks.

18 **b)** The building extension roof is experiencing leakage, and repairs have only been able to
19 provide temporary solutions. Issues with this section of roof began soon after construction
20 was completed. Repairs were executed within the warranty period but leaks continued to
21 arise. Attempts to repair the leaks have been made, but efforts to access the areas which
22 require repair are further contributing to leakage in the roofing system. Replacing this
23 exposed fastener metal roof system with a standing seam metal roof system will improve
24 weather resistance and ensure roofing integrity is maintained for the complete building
25 envelope for the next 30 years. Hydro considers the failure of the roof after 12 years an
26 anomaly that can only be addressed through replacement of the failed roof, regardless of
27 age.