

1 Q. **Reference: Schedule 1 – Upgrade Report – Penstock 1 Life Extension – Bay d'Espoir.**

2 Appendix M, page 14 of 219, states that the governing length of the penstock sections for  
3 transportation is 15 metres (49.4 feet) and Appendix B, page 8 of 157, states that the average  
4 can length is currently 9 feet.

5 a) Please confirm the existing can length and the proposed can length for the replacement  
6 portion of Penstock 1.

7 b) Given the increased length and corresponding weight of the sections, does Hydro  
8 anticipate any delivery or installation issues that could impede or prevent the use of the  
9 larger sections? If so, please identify the possible issues. If not, please explain why no  
10 issues are anticipated?

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13 A. a) Newfoundland and Labrador Hydro confirms that the proposed new can length is 15 metres  
14 (49.4 feet) and the typical existing length is 9 feet.

15 b) Transportation means and methods, including shipping, unloading, road route to the site,  
16 and pole line interferences, were considered in the project estimate development. A  
17 Kleinschmidt team visited the area and traced the transportation route from the local pier  
18 where the pipe sections are proposed to be unloaded through to the site. Mitigation  
19 measures were developed and included in pricing. This information can be found in  
20 Appendix M,<sup>1</sup> which also discusses the identified power line, distribution line, and  
21 communication line relocations as well as potential road upgrades. The required crane size  
22 for offloading the cans was also reviewed.

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<sup>1</sup> "Application for Approval of Capital Expenditures for Section Replacement and Weld Refurbishment for Bay d'Espoir Hydroelectric Generating Facility Penstock 1," Newfoundland and Labrador Hydro, December 7, 2022, sch. 1, app. M, s. 3.3.6, p. 34.