

- 1 **Q. (Reference Application) Please provide a summary of all laboratory testing**
2 **conducted by Newfoundland Power in the 2023 Capital Budget Application to**
3 **verify the need for asset replacement.**
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- 5 A. Newfoundland Power has not conducted any laboratory testing to verify the need for
6 asset replacement associated with projects in the *2023 Capital Budget Application*.
7
- 8 Newfoundland Power verifies the need for asset replacement through its annual
9 inspection and maintenance practices, condition assessments and engineering reviews.¹
10 The Company also completes laboratory testing, when required. As examples, the
11 Company completed laboratory testing: (i) in 2014 with respect to the Bell Island
12 submarine cable; (ii) in 2003 with respect to the New Chelsea Hydro Plant penstock;
13 (iii) in 2008 with respect to the Rattling Brook Hydro Plant penstock; and (iv) throughout
14 the course of each year with respect to substation transformer oil analysis.
15
- 16 In addition, the Company engages third-party engineering consultants with appropriate
17 engineering expertise to provide recommendations for specific asset replacement, when
18 required.

¹ As examples, Newfoundland Power inspects: (i) substations eight times annually; (ii) transmission lines annually; and (iii) distribution lines on a seven-year cycle.