

1 **Q. (Reference Application) Please provide a summary of all laboratory testing conducted**  
2 **by Newfoundland Power in the 2022 Capital Budget Application to verify the need**  
3 **for asset replacement.**  
4

5 A. Newfoundland Power has not conducted any laboratory testing to verify the need for  
6 asset replacement associated with projects in the *2022 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.<sup>1</sup>  
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.  
18 Examples of this in the *2022 Capital Budget Application* include the Clarenville office  
19 *Heating, Ventilation and Air Conditioning Assessment*,<sup>2</sup> and the *Sandy Brook*  
20 *Hydroelectric Development 2020 Penstock Inspection Summary Report*.<sup>3</sup>

---

<sup>1</sup> As examples, Newfoundland Power inspects: (i) substations 8 times annually; (ii) transmission lines annually; and (iii) distribution lines on a 7-year cycle.

<sup>2</sup> See the *2022 Capital Budget Application, Report 5.1 Clarenville Area Office Building Refurbishment, Appendix A – HVAC Assessment, Crosbie Engineering Ltd.*

<sup>3</sup> See the *2022 Capital Budget Application, Report 1.2 Sandy Brook Plant Penstock Replacement, Appendix B – Penstock Inspection Report.*