

**Transmission**

**Q. Reference: "2024 Capital Budget Application," Newfoundland Power Inc., June 22, 2023, sch. C, Transmission Line 24L Relocation, p. 5.**

**a) Please confirm if transmission line 24L is a 69 kV line.**

**b) Please explain why the cost per kilometre to build transmission line 24L is substantially higher than that of transmission line 146L.**

A. a) Transmission Line 24L is a 66 kV transmission line.

b) There are a number of factors that contribute towards the cost per kilometre of relocating the proposed section of Transmission Line 24L being higher than the cost per kilometre identified on the *Transmission Line 146L* Rebuild project.

The section of Transmission Line 24L identified for relocation sits within the City of St. John's Bay Bulls Big Pond Protected Public Water Supply Area. As a result, the use of treated wood poles is not permitted. The budget estimate for this project includes the installation of steel transmission poles, the cost of which is significantly more than treated wood.<sup>1</sup>

In addition, due to limited right-of-way access, the new transmission structures will have to be constructed along the roadside in the existing Big Pond ("BIG") Substation distribution feeder BIG-02 right-of-way, where the BIG-02 feeder will be attached to the relocated transmission poles in an under-build configuration.<sup>2</sup> This under-build configuration increases the number of structures that are required to relocate Transmission Line 24L and introduces the need to work around energized distribution lines. Both of these factors also contribute to the increased per kilometre cost when compared to Transmission Line 146L.

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<sup>1</sup> The existing section of Transmission Line 24L is constructed with steel transmission line structures.

<sup>2</sup> See Newfoundland Power's *2024 Capital Budget Application, Schedule C*, page 2.