

- 1 **Q. (Reference Application, 2.1 2025 Substation Refurbishment and**
2 **Modernization, Appendix B: Northwest Brook Substation Refurbishment and**
3 **Modernization, page 2 and Figure B-2) It is stated "*NWB Substation is***
4 ***designed such that, if a fault occurs on Transmission Line 109L, there will be***
5 ***an outage to approximately 1,790 customers served by NWB Substation. The***
6 ***current protection scheme does not include circuit breakers in NWB and relies***
7 ***on circuit breakers at Clarenville Substation and Sunnyside Substation for***
8 ***transmission line protection.*"**
- 9 **a) Following the project, if a fault occurs on Line 109L will there be an**
10 **outage to approximately 1,790 customers served by the NWB Substation?**
- 11 **b) Does Line 109L form part of the looped 138kV system?**
- 12 **c) Are breakers at the Clarenville and Sunnyside Substations controlled**
13 **remotely?**
- 14 **d) In the past 20 years, how many outages have there been on the section of**
15 **Line 109L between the CLV and NWB Substations, and between the SUN**
16 **and NWB Substations?**
- 17
- 18 **A.** a) Following the project, there will not be an outage to approximately 1,790 customers
19 served by the NWB substation if a fault occurs on Transmission Line 109L.
- 20
- 21 b) Yes, Transmission Line 109L forms part of the looped 138kV system.
- 22
- 23 c) Newfoundland Power has remote control of CLV substation circuit breaker CLV-109L-
24 B. Newfoundland Hydro has remote control of SUN substation circuit breakers
25 L100L109 and L109T4 connected to Transmission Line 109L.
- 26
- 27 d) Newfoundland Power does not track transmission line outages based on their
28 location on the transmission line.