

1 **Q. Reference: “2020 Capital Budget Application,” Newfoundland Power, July 5, 2019,**  
2 **Report 3.1 “2020 Transmission Line Rebuild,” sec. 2.3, at p. 3.**  
3

4 **The line was also built without armour rods on the conductor at points where they**  
5 **are clamped on insulators. Newfoundland Power’s standard is to use armour rods**  
6 **on conductor at all of the connections that produce mechanical stress on the**  
7 **conductor. Armour rods protect the conductor from conductor fatigue caused by**  
8 **aeolian vibrations. Transmission line 49L was constructed using older vintage**  
9 **porcelain suspension insulators, which have been known to form hairline cracks**  
10 **over time.**

11  
12 **Have any outages been recorded due to failure of the insulators noted in NLH-NP-**  
13 **008? If so, please provide the dates and durations of these outages**

14  
15 **A. No, outages have not been recorded due to failure of the insulators noted in**  
16 **NLH-NP-008.**

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18 For an explanation of Newfoundland Power’s *proactive* approach to rebuilding aged and  
19 deteriorated transmission lines, please see the response to Request for Information  
20 NLH-NP-006.