

- 1 **Q. (Technical Conference – Issue 2) With respect to the proposed transmission**
2 **line 55L rebuild project, it is stated in the application “*The inspections [in 2022]***
3 ***determined that 253 of 490 poles on the line (52%) are deteriorated to the***
4 ***point where replacement is required. In addition, 61 structures were identified***
5 ***as either having deteriorated insulators, deteriorated crossarms or hardware***
6 ***deficiencies.”***
- 7 **a) How many poles have been replaced since the last inspection? In the**
8 **past year? In the past 5 years?**
- 9 **b) How many outages have occurred since the last inspection?**
- 10 **c) At what percentage of deteriorated poles does NP decide the entire line**
11 **should be replaced?**
- 12 **d) When a pole is replaced, does this also include replacement of all cross-**
13 **arms and insulators?**
- 14 **e) Are the deteriorated poles in concentrated clusters or are they evenly**
15 **distributed throughout the line?**
- 16
- 17 a) No poles have been replaced since the last inspection in 2022 or in the past year.
18 Eight poles have been replaced in the past five years.
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- 20 b) No outages have occurred since the last inspection in 2022.
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- 22 c) Newfoundland Power does not have a specific percentage of deteriorated poles it
23 considers before a line is identified for replacement. To determine whether a
24 transmission line should be replaced, Newfoundland Power assesses the overall
25 condition of the line, its criticality in serving customers, and all viable alternatives
26 to determine whether replacement would be the least cost option for customers.
- 27
- 28 d) No, when a pole is replaced the remaining components of the structure are
29 assessed according to Newfoundland Power’s *Transmission Inspection and*
30 *Maintenance Practices* and are replaced with the pole only if deemed necessary.
- 31
- 32 e) The deteriorated poles identified on Transmission Line 55L are distributed
33 throughout the entire line.