

1 **Q. Please provide evidence of outages resulting from deficiencies in these transmission**
2 **lines which were the subject of the Technical Conference, and the length of the**
3 **outage and the specific reason for the outage over the last ten (10) years.**
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5 A. Due to the looped configuration of some portions of the transmission network,
6 transmission line deficiencies and component failures may not necessarily result in
7 customer outages. For example, due to its looped configuration with transmission line
8 79L, an outage to transmission line 49L would not normally result in any customer
9 outages.¹
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11 In the case of radial transmission lines, deficiencies identified through inspections would
12 only lead to a customer outage if they were of an emergency nature and corrective
13 maintenance could not be delayed until a planned response could be undertaken. In a
14 planned response, customer outages can usually be avoided. For example, in the case of
15 transmission lines 363L and 403L, mobile generation would be dispatched to ensure there
16 are no customer outages during the work undertaken to address identified deficiencies.²
17

18 Newfoundland Power's *proactive* approach to transmission line maintenance results in
19 high priority deficiencies being corrected before a component failure leads to an
20 unplanned outage to customers. As a result, there have been no unplanned customer
21 outages in the past 10 years resulting from deficiencies on the transmission lines included
22 in the 2020 *Transmission Line Rebuild* project.
23

24 Details on Newfoundland Power's *proactive* approach in addressing aged and
25 deteriorated transmission lines were provided in response to Request for Information
26 NLH-NP-006.

¹ Transmission line 79L operates between Hardwoods and Chamberlains substations as part of a larger looped transmission system that includes transmission line 49L.

² Maintenance activities on radial lines 363L and 403L have required planned outages to customers in the past 10 years in order to address high priority deficiencies.