

Q. (Reference Schedule B, Distribution Feeder GBY-01 Refurbishment)

- a) Leaning poles is one of the reasons given for project need. How much pole lean is acceptable before deciding the line must be replaced?**
- b) Is the 14 kilometres of the line to be refurbished a continuous section and how long is the line?**
- c) Please provide the annual repair costs, preventive maintenance costs, and all other related costs for GBY-01 feeder line over the past 10 years.**

A. a) Newfoundland Power's *Distribution Inspection and Maintenance Practices* (the "Practices") classify any lean of 10 degrees or greater as a TD4 priority which specifies a response time of next budget cycle. A pole with a severe lean where failure is imminent would be classified as an emergency requiring an immediate response. The presence of leaning poles alone does not require replacement of a distribution feeder. However, leaning poles need to be evaluated and addressed in accordance with the Practices. For example, a leaning pole that is in otherwise good condition could be addressed through the installation of one or more guy wires.

In the case of distribution feeder GBY-01, a portion of the feeder crosses a causeway where poles are leaning into the water. Due to the confined space on the causeway section, options to repair the leaning poles are limited.

In addition, leaning poles are one of several deficiencies noted on the line. In addition to leaning poles there are deteriorated poles, deteriorated crossarms, bird caged conductors, excessive span lengths, and deteriorated hardware on the line. The nature and volume of these deficiencies, which include leaning poles, necessitate the need for a refurbishment of the feeder.

b) No, the 14 kilometres of distribution feeder GBY-01 to be refurbished are not a single, contiguous section of line. Sections of distribution feeder GBY-01 have been rebuilt in response to in-service failures and will be retained during the refurbishment. The proposed project refurbishes 14 kilometres of the 15-kilometre three-phase trunk section of the feeder, or nearly half of the overall feeder length of approximately 30 kilometres.

c) Newfoundland Power does not capture maintenance cost data for each of its approximately 300 distribution feeders. These costs are captured and reported in aggregate. As a result, Newfoundland Power is unable to provide the requested information.

No capital projects related to distribution feeder GBY-01 have occurred in the last 10 years. See the response to Request for Information PUB-NP-004 for a description of maintenance activities undertaken on distribution feeder GBY-01.