

1 Q. Regarding B-72, Replace Insulators, the report titled *A Performance Target*
2 *Methodology for the Distribution Feeders of the Newfoundland and Labrador*
3 *Hydro Electrical System* (Section H, Tab 4) states, at page 3:

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5 “It has been assumed that in the quantification of feeder performance, the
6 only equipment on the distribution feeder contributing to failure are the
7 insulators.”

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9 Please explain how this statement relates to the choice of feeders for
10 insulator replacements in 2006.

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13 A. The quoted sentence reflects the reality that insulators are considered the
14 prime cause of failure, in the 'defective equipment' category. Other
15 equipment such as transformers, poles, cutouts, conductors, etc., contribute
16 to performance interruptions, but insulators have the greatest potential to
17 cause an outage to the entire line and affect the most customers.

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19 The feeders selected for insulator replacements in 2006 were chosen
20 because the SAIFI/SAIDI component contributing to the most outages was
21 “defective equipment”, which is primarily insulator failure. The replacement
22 of the insulators will thus bring the indices to the target values.