

1 **Q. (Reference NLH-NP-005) How many customers will be impacted by the proposed**  
2 **work on the 2 km section of BCV-04 feeder and how much is their SAIDI and SAIFI**  
3 **expected to improve? How much will this work improve the overall system SAIDI**  
4 **and SAIFI?**

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6 A. While approximately 140 customers are supplied directly from the 2 km section of  
7 BCV-04 for which work is proposed, the reliability of all 1,037 customers on the feeder  
8 will be impacted.

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10 For past projects completed under the *Distribution Reliability Initiative* (“DRI”),  
11 Newfoundland Power has compared average feeder reliability for the 5 years prior to  
12 project completion to the 5-year period following project completion. This comparative  
13 analysis showed that, for projects completed from 1998 to 2015, average SAIDI and  
14 SAIFI improved by 78% and 70%, respectively.<sup>1</sup> It is reasonable to expect similar results  
15 from the proposed work on BCV-04.

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17 The 1,037 customers on BCV-04 represents 0.4% of the customers served by  
18 Newfoundland Power. Therefore the proposed 2022 DRI project will not have a  
19 measurable impact on the SAIDI and SAIFI of the overall distribution system.<sup>2</sup>

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<sup>1</sup> 5-year data following completion of work is not yet available for feeders upgraded from 2016 onwards.

<sup>2</sup> 1,037 customers / 259,455 customers = 0.004 or 0.4%.