

1 **Q. Reference: “2022 Capital Budget Application,” Newfoundland Power, May 18,**  
 2 **2021, Volume 1, Section 4.1, Distribution Reliability Initiative at p.3**

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 4 **a) Please provide a comparison of the distribution interruption statistics five-year**  
 5 **average of BCV-04 and the company average against that of CEA region 2.**

6  
 7 **b) Does Newfoundland Power consider the relative reliability of its distribution**  
 8 **lines in comparison to that of CEA region 2 in developing its Distribution**  
 9 **Reliability Initiative project? If not, why not?**

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 11 A. a) The average unscheduled SAIDI on the BCV-04 feeder over the period 2016 to 2020  
 12 was 4.23. The comparative average for CEA Region 2 over that same period was  
 13 4.59.

14  
 15 The average unscheduled SAIFI on the BCV-04 feeder over the period 2016 to 2020  
 16 was 1.85. The comparative average for CEA Region 2 over that same period was  
 17 2.18.

18  
 19 The proposed work on the BCV-04 feeder was not identified based on the overall  
 20 feeder reliability. It was based on the SAIDI experienced on a 2 km section of line.  
 21 The average unscheduled SAIDI for customers along this section of feeder is 16.47 or  
 22 3.6 times the CEA Region 2 average.

23  
 24 b) No, Newfoundland Power does not consider the reliability of its distribution lines  
 25 relative to that of CEA Region 2 utilities as part of its *Distribution Reliability*  
 26 *Initiative* project.

27  
 28 The *Distribution Reliability Initiative* is a data-driven project that targets the  
 29 Company’s worst performing feeders. Customers served by these feeders experience  
 30 service reliability that is significantly below the Company average. Three criteria are  
 31 applied for a project to be included in the *Distribution Reliability Initiative*:

- 32  
 33 (i) The distribution feeder must be among the worst performing feeders in  
 34 Newfoundland Power’s service territory.  
 35 (ii) The cause of poor reliability performance must be attributable to issues with  
 36 the electrical system and not isolated events.  
 37 (iii) Engineering reviews must determine that capital expenditures will reasonably  
 38 address the cause of the poor reliability performance.<sup>1</sup>

39  
 40 These criteria are consistent with maintaining acceptable levels of service reliability  
 41 for all Newfoundland Power customers.

42  
 43 Peer comparisons are not required to identify the Company’s worst performing  
 44 feeders or whether capital expenditures are required on those feeders.

<sup>1</sup> See the 2022 Capital Budget Application, Report 4.1 Distribution Reliability Initiative, page 1.