

1 **Reference: "2023 Capital Budget Application," Newfoundland Power Inc., June 29,**  
2 **2022, Schedule B, p. 15, f.n. 11 (Distribution Feeder Automation).**

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4 **Q. As examples, the operation of a downline recloser in May 2019**  
5 **quickly restored service to 665 customers served by**  
6 **Chamberlains Substation distribution feeder CHA-01 following**  
7 **an equipment failure. The operation of a downline recloser on**  
8 **Hardwoods Substation distribution feeder HWD-08 avoided over**  
9 **96,000 customer outage minutes in April 2020. In both cases,**  
10 **customer outages were reduced or avoided without dispatching**  
11 **field crews.**

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13 **a) For this example, please indicate the improvements in five-year**  
14 **average SAIDI and SAIFI expected due to the operation of five**  
15 **downline reclosers. Compare this to the corporate and Electricity**  
16 **Canada Region 2 averages.**

17 **b) Please provide the cost savings associated with not having to use field**  
18 **staff to manually operate devices in the locations of the downline**  
19 **reclosers.**

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21 A. a) The examples of downline recloser operations referenced in this request for  
22 information occurred during normal operations. The improvement in the five-  
23 year average SAIDI and SAIFI for the operation of the two reclosers referenced  
24 is not available. However, the average avoided SAIDI by the operation of the  
25 two downline reclosers in the examples referenced was 0.82. The average SAIFI  
26 avoided was 0.68. By comparison, the Electricity Canada Region 2 average  
27 unscheduled SAIDI during normal operations over the past five years was 4.53  
28 and the average unscheduled SAIFI during normal operations was 1.84.  
29 Newfoundland Power's corporate average unscheduled SAIDI during normal  
30 operations over the past five years was 2.11 and the average unscheduled SAIFI  
31 during normal operations was 1.54.

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33 b) See part b) of the response to Request for Information NLH-NP-015 for  
34 information on cost savings associated with downline recloser operations.