

1 **Q. Describe the process for selecting the feeders where the additional 14 automatic**
2 **circuit reclosers will be installed for 2015. Did the analysis include improving blue**
3 **sky reliability, or were the feeders and locations based only on cold load pickup**
4 **issues? Will any of these be SCADA controlled?**
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6 A. Electricity supply shortages and issues with the key transmission system equipment were
7 experienced on the Island Interconnected System during the January 2-8, 2014 period.
8 These electrical system events required Newfoundland Power to initiate rotating power
9 outages and manage widespread outages to customers during the period. Newfoundland
10 Power reviewed its performance following the events and subsequently filed an
11 application with the Board for electrical system improvements that would address some
12 of the limitations that became apparent during the system events.¹
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14 The focus of the electrical system improvement projects, which included the 14
15 automatic down-line reclosers was to improve system resilience and flexibility to respond
16 to both major disruptions and local system events. The analysis to include the 14 down-
17 line reclosers considered (i) better isolation of faults in all operating conditions, (ii) more
18 flexible response to cold load pickup, (iii) more timely restoration of feeders following
19 extended outages, and (iv) more efficient use of line crews that could otherwise be used
20 to respond to other customer outages or emergencies.
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22 Cold load pickup issues are most problematic on the Company's more heavily loaded
23 distribution feeders. In addition, blue sky outages on heavily loaded feeders would tend
24 to impact reliability more than outages on lightly loaded feeders. Each of the feeders
25 selected for the 14 down-line reclosers have peak loads which are above the Company
26 average. As a result, installing these reclosers on heavily loaded feeders would address
27 cold load pickup issues and have a greater impact on blue sky reliability.
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29 All of the 14 additional reclosers will be SCADA controlled.

¹ Newfoundland Power provided its full justification for selecting the feeders where the 14 automatic circuit reclosers would be installed in Schedule A of its application to proceed with the construction and purchase of certain improvements and additions to its property which was filed with the Board on April 4, 2014. The Application was approved by the Board in Order No. P.U. 14 (2014) on April 28th, 2014.