

Requests for Information

1 **Q. Further to the response to PUB-NP-22, what opportunities are available to minimize**
2 **the impact on customers of rotating power interruptions which may be necessary in**
3 **the future and what operational and physical changes, if any, would be required to**
4 **make these changes?**
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6 A. Opportunities to minimize the impact on customers of rotating power outages which may
7 be necessary in the future are available from at least two sources.
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9 The first source is improved availability to Newfoundland Power of real-time data
10 concerning the status of matters on the Island Interconnected System. See the response to
11 Request for Information PUB-NP-047 for further information concerning ongoing efforts
12 by Newfoundland Power to improve real-time data availability to enable it to (i) better
13 anticipate and schedule rotating power outages and (ii) improve its customer
14 communications related to rotating power outages.
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16 The second source is physical changes to Newfoundland Power's electrical distribution
17 system. Increased automation of distribution feeders will permit more efficient rotation
18 of power. Increased capability to sectionalize some of Newfoundland Power's larger
19 distribution feeders will permit a more flexible response to cold load pickup during
20 rotating power outages.¹ See the response to Request for Information PUB-NP-036 for
21 further information concerning increased sectionalization and automation of
22 Newfoundland Power's distribution feeders.

¹ Sectionalizing a distribution feeder involves the operation of a device (typically a type of switch) to reduce the overall customer demand being served by the feeder by disconnecting some, but not all, of the customers served by the feeder.