



Newmarket-Tay Power Distribution Ltd.

Major Event Day: September 7, 2021

RRR 2.1.4.2.10 Major Event Response Reporting

When a distributor determines an outage was caused by a Major Event, it shall file a report with the OEB that outlines the distributor's response to the Major Event, including answers to all of the questions set out below. Distributor responses are identified in the text boxes below.

A distributor shall file this report with the OEB within 60 days of the end of the Major Event unless there are exceptional circumstances, in which case the report can be filed within 90 days of the end of the Major Event.

Prior to the Major Event

1. Did the distributor have any prior warning that the Major Event would occur?
 Yes No Additional Comments: _____

2. If the distributor did have prior warning, did the distributor arrange to have extra employees on duty or on standby prior to the Major Event beginning?
 Yes No N/A

Brief description of arrangements, or explain why extra employees were not arranged:

3. If the distributor did have prior warning, did the distributor issue any media announcements to the public warning of possible outages resulting from the pending Major Event?
 Yes No N/A

4. Did the distributor train its staff on the response plans to prepare for this type of Major Event?
 Yes No

During the Major Event

1. Please identify the main contributing Cause of the Major Event as per the table in section 2.1.4.2.5 of the Electricity Reporting and Record Keeping Requirements.

- | | |
|--|--|
| <input checked="" type="checkbox"/> Loss of Supply | <input type="checkbox"/> Lightning |
| <input checked="" type="checkbox"/> Adverse Weather-Wind | <input type="checkbox"/> Adverse Weather-Freezing Rain/Ice Storm |
| <input type="checkbox"/> Adverse Weather-Snow | <input type="checkbox"/> Adverse Environment-Fire |
| <input type="checkbox"/> Adverse Environment-Flooding | |
| <input type="checkbox"/> Other | |

Please provide a brief description of the event (i.e. what happened?). If selected "Other", please explain:

On September 7, 2021, Newmarket-Tay Power's service territories experienced severe thunderstorms, causing one supply authority station feeder circuit breaker to lock-out in the Town of Newmarket.
In addition, high winds and rain caused trees to fall on primary circuits across its Newmarket service area, which resulted in three distributor owned station feeder breakers to lock-out.



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2. Was the IEEE Standard 1366 used to derive the threshold for the Major Event?

- Yes, used IEEE Standard 1366
 No, used IEEE Standard 1366 2-day rolling average
 No, used fixed percentage (i.e., 10% of customers affected)

3. When did the Major Event begin (date and time)?

September 7, 2021 at 6:44 PM

4. Did the distributor issue any information about this Major Event, such as estimated times of restoration (ETR), to the public during the Major Event?

- Yes No

If yes, please provide a brief description of the information. If no, please explain:

NT Power issued several public media notices on Twitter and its website relating to the outages and restoration of affected areas. Due to the nature of the outages, the ETR was not initially issued since the cause of the feeder circuit breaker lock-outs were unknown at the time. Also, the ETR was dependent on the supply authority and their restoration regarding Loss of Supply.

5. How many customers were interrupted during the Major Event?

7,012 Customers

What percentage of the distributor's total customer base did the interrupted customers represent?

16.7 %

6. How many hours did it take to restore 90% of the customers who were interrupted?

1.61 Hours.

Additional Comments: 100% were restored in 2.73 hours.

7. Were there any outages associated with Loss of Supply during the Major Event?

- Yes No

If yes, please report on the duration and frequency of the Loss of Supply outages:

Yes, 4,678 customers were affected for 1.26 hours due to the one Loss of Supply outage (station feeder circuit breaker lock-out).

8. In responding to the Major Event, did the distributor utilize assistance through a third-party mutual assistance agreement with other utilities?

- Yes
 No
 Do not have third party mutual assistance agreements with other utilities

If yes, please provide the name of the utilities who provided the assistance?



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9. Did the distributor run out of any needed equipment or materials during the Major Event?

Yes No

If yes, please describe the shortages: _____

After the Major Event

1. What actions, if any, will be taken to be prepared for, or mitigate, such Major Events in the future?

- No further action is required at this time
- Additional staff training
- Process improvements
- System upgrades
- Other

Additional Comments: Increased tree trimming in the areas affected by the outage.