



Major Event Day: July 10, 2024

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: The remnants of Hurricane Beryl passed through Ontario as a post-tropical storm, bringing heavy rainfall, strong winds, and the potential for flooding, affecting southern Ontario. The storm's remnants persisted over the region until July 10, 2024, causing significant weather disruptions.

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:

No warnings or alerts were issued by Environment and Climate Change Canada for the Midland-Tay area prior to the storm on July 10, 2024.

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 by Primary cause code.

<input 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 the afternoon of July 10, 2024, the 44kV feeders 98M2 and 98M4 from Hydro One's Waubaushene Transformer Station, dedicated to NT Power, experienced two outages during the storm.

The first outage occurred at 2:03 PM when a broken tree branch fell onto the overhead primary line, making contact with both the 98M2 and 98M4 feeders. For personnel safety, both feeders were de-energized to facilitate the removal of the tree branch. Power was fully restored at 5:47 PM.

The second outage occurred four minutes later due to another tree branch intermittently contacting feeder 98M4 in Midland as a result of gusty winds. Given the limited capabilities and equipment available, Ontario Line Clearing was called in to remove the tree. In the meantime, NT Power crews continued patrolling the feeder to prevent a third outage. Power on feeder 98M4 was restored at 5:33 PM.

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)?

July 10, 2024 at 2:03 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 and outage updates on X, Facebook, and its website relating to the outages and restoration of affected areas.

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

5,257 Customers

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

11.7 %

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

1.75 Hours.

Additional Comments: During the first outage, all customers supplied by feeders 98M4 and 98M2 were affected, even though the broken tree branch initially fell onto feeder 98M4. Feeder 98M2 was later requested to be de-energized for tree removal upon the discovery of the broken tree branch. Both feeders were restored within 1.75 hours.

During the second outage, feeder 98M4 was fully impacted and was restored within 1.55 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:

N/A

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?

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: Major Event was due to adverse weather conditions, therefore no further action is required by NT Power at this time.