



Major Event Day: June 13, 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: Multiple rounds of severe thunderstorms across Ontario and Quebec bringing damaging winds, heavy rain, frequent lightning and large hail.

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 warning or alert was issued by Environment and Climate Change Canada prior to the storm on June 13, 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 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:

In the evening of June 13, 2024, two 44kV feeders out of Hydro One's Waubaushene Transformer Station were locked out, and the outage began at 7:34 PM. Hydro One



successfully reclosed the Waubaushene 98M2 feeder, which is dedicated to NT Power, but was unable to restore the 98M6 feeder, a shared feeder between Hydro One and Alectra. It was later determined that a large tree had fallen on the Hydro One-owned primary lines. After the tree was removed, power was fully restored at 10:40 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)?

June 13, 2024 at 7:34 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?

6,348 Customers

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

14.1 %

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

3.08 Hours.

Additional Comments: Feeder 98M2 initially experienced a brief outage of 2 minutes but was successfully reclosed before being taken offline again at Hydro One's request to facilitate tree removal and repairs. The total outage duration for this feeder was 37 minutes, affecting 2,741 customers. Nearly half of the affected customers during this event were supplied by feeder 98M6, which remained out of service for approximately 3.08 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:

The shared feeder 98M6 experienced one outage for 185 minutes (3.08 hours) during this event, caused by a fallen tree branch on an overhead distribution line located outside of NT Power's service area, which tripped the feeder breaker.



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.