



2.1.4.2.10 Major Event Response Reporting – July 22, 2022

Please note that, except Loss of Supply events, a Major Event shall meet all of the criteria listed under the first, second and fourth paragraph of the Major Event definition written under section 2.1.4.2 of the Electricity Reporting and Record Keeping Requirements (RRR).

Prior to the Major Event

1. Did the distributor have any prior warning that the Major Event would occur?

Yes No

Additional Comments:

There was a thunderstorm that came through the City of Windsor that affected three 27.6 kV feeders in the downtown and central Windsor area. All three feeders were affected around the same time resulting in a Major Event Day.

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 Not Applicable

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

The event started at 12:19am. There were employees on standby, but there was no indication that extra standby employees were required beforehand. Extra employees, in addition to the standby employees, were called in to assist after the event started.

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 Not Applicable

As there was no prior warning of the Major Event, no media announcements were issued.



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.

- Loss of Supply
- Lightning
- Adverse Weather-Wind
- Adverse Weather-Snow
- Adverse Weather-Freezing rain/Ice storm
- Adverse Environment-Fire
- Adverse Environment-Flooding
- Other

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

There was a thunderstorm that came through the City of Windsor that affected three 27.6 kV feeders in the downtown and central Windsor area. Large tree limbs fell into the primary powerlines due to the storm. All three feeders were affected around the same time starting at 12:19am and full restoration was achieved at 5:48am.

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)

*The OEB preferred option

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

Date	July 22, 2022
Time	12:19 AM



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

Yes No

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

ENWIN tweeted out the areas that were affected by the storm and an approximate restoration time when that information was determined. The outage map on the ENWIN website also had this information.

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

19,661 Customers

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

21%

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

1.8 Hours

Additional Comments:

None.

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:

Not Applicable.



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?

Not Applicable.

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

- Yes No

If yes, please describe the shortages

Not Applicable.

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:

The Major Event was caused by a strong thunderstorm which are frequent in the Windsor area. ENWIN's Control Room was able to dispatch standby employees, call in extra employees and remotely reconfigure the distribution system to restore power efficiently. Unfortunately, three 27.6 kV feeders were affected around the same time with large tree limbs in the primary powerlines due to the storm.