Major Event Response Reporting September 3, 2026

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).

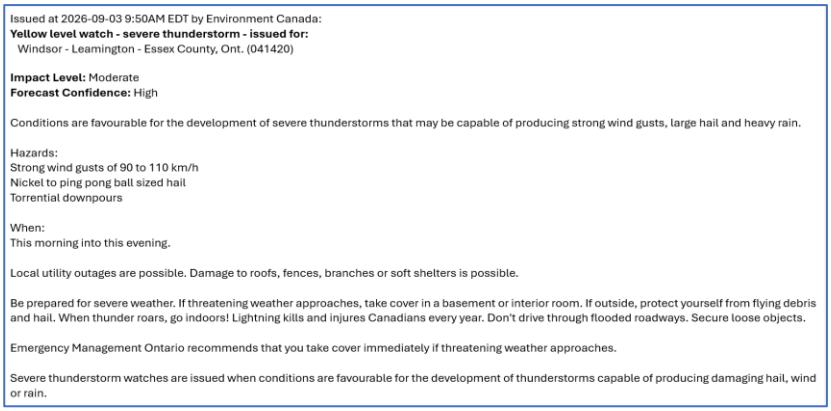
Prior to the Major Event

1. Did the distributor have any prior warning that the Major Event would occur?
☒ Yes ☐ No

Additional Comments:

Although ENWIN received advance notice of the potential for severe weather, the nature of the forecast evolved throughout the day as conditions developed.

Environment Canada issued an email warning at 9:50 am on September 3, 2026, describing the potential of a severe thunderstorm developing during the day. An additional message from Environment Canada was received at 3:53 pm which stated there was a risk of tornado development, at which time the storm was imminent.



Issued at 2026-09-03 9:50AM EDT by Environment Canada:
Yellow level watch - severe thunderstorm - issued for:
Windsor - Leamington - Essex County, Ont. (041420)

Impact Level: Moderate
Forecast Confidence: High

Conditions are favourable for the development of severe thunderstorms that may be capable of producing strong wind gusts, large hail and heavy rain.

Hazards:
Strong wind gusts of 90 to 110 km/h
Nickel to ping pong ball sized hail
Torrential downpours

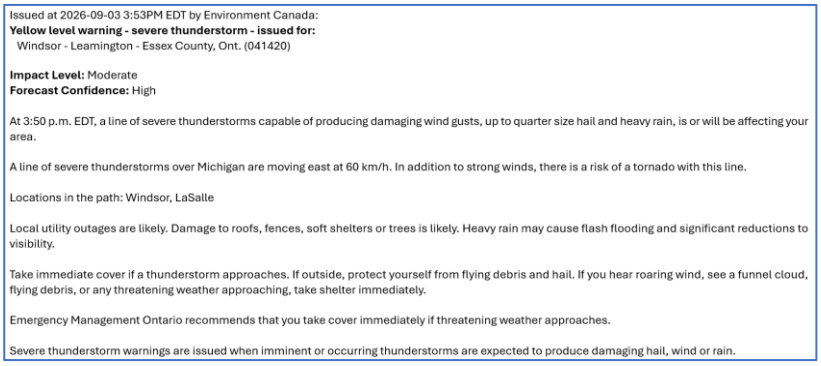
When:
This morning into this evening.

Local utility outages are possible. Damage to roofs, fences, branches or soft shelters is possible.

Be prepared for severe weather. If threatening weather approaches, take cover in a basement or interior room. If outside, protect yourself from flying debris and hail. When thunder roars, go indoors! Lightning kills and injures Canadians every year. Don't drive through flooded roadways. Secure loose objects.

Emergency Management Ontario recommends that you take cover immediately if threatening weather approaches.

Severe thunderstorm watches are issued when conditions are favourable for the development of thunderstorms capable of producing damaging hail, wind or rain.



Issued at 2026-09-03 3:53PM EDT by Environment Canada:
Yellow level warning - severe thunderstorm - issued for:
Windsor - Leamington - Essex County, Ont. (041420)

Impact Level: Moderate
Forecast Confidence: High

At 3:50 p.m. EDT, a line of severe thunderstorms capable of producing damaging wind gusts, up to quarter size hail and heavy rain, is or will be affecting your area.

A line of severe thunderstorms over Michigan are moving east at 60 km/h. In addition to strong winds, there is a risk of a tornado with this line.

Locations in the path: Windsor, LaSalle

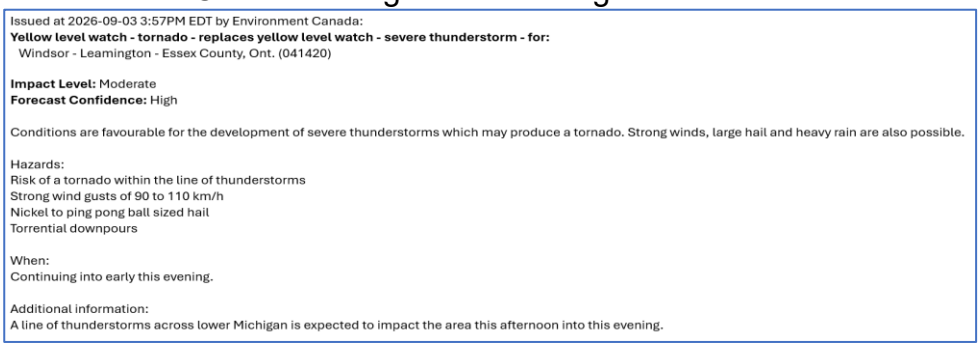
Local utility outages are likely. Damage to roofs, fences, soft shelters or trees is likely. Heavy rain may cause flash flooding and significant reductions to visibility.

Take immediate cover if a thunderstorm approaches. If outside, protect yourself from flying debris and hail. If you hear roaring wind, see a funnel cloud, flying debris, or any threatening weather approaching, take shelter immediately.

Emergency Management Ontario recommends that you take cover immediately if threatening weather approaches.

Severe thunderstorm warnings are issued when imminent or occurring thunderstorms are expected to produce damaging hail, wind or rain.

At 3:57 pm, Environment Canada changed the warning from Thunderstorm to Tornado.



Issued at 2026-09-03 3:57PM EDT by Environment Canada:
Yellow level watch - tornado - replaces yellow level watch - severe thunderstorm - for:
Windsor - Leamington - Essex County, Ont. (041420)

Impact Level: Moderate
Forecast Confidence: High

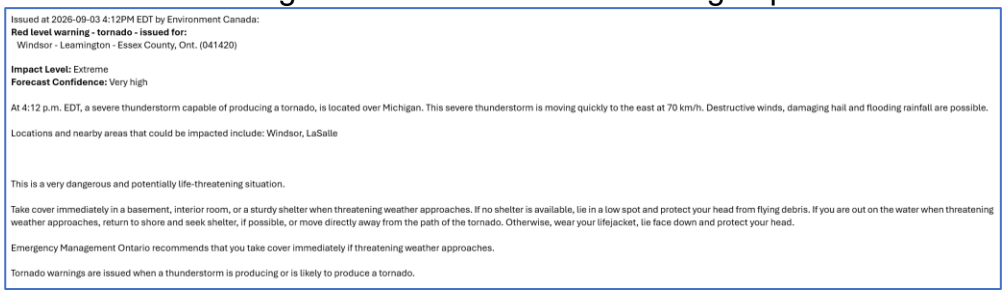
Conditions are favourable for the development of severe thunderstorms which may produce a tornado. Strong winds, large hail and heavy rain are also possible.

Hazards:
Risk of a tornado within the line of thunderstorms
Strong wind gusts of 90 to 110 km/h
Nickel to ping pong ball sized hail
Torrential downpours

When:
Continuing into early this evening.

Additional information:
A line of thunderstorms across lower Michigan is expected to impact the area this afternoon into this evening.

At 4:12 pm, Environment Canada upgraded its warning levels to extreme impact and very high forecast confidence. Outages in ENWIN service area began prior to this at 4:10pm.



Issued at 2026-09-03 4:12PM EDT by Environment Canada:
Red level warning - tornado - issued for:
Windsor - Leamington - Essex County, Ont. (041420)

Impact Level: Extreme
Forecast Confidence: Very high

At 4:12 p.m. EDT, a severe thunderstorm capable of producing a tornado, is located over Michigan. This severe thunderstorm is moving quickly to the east at 70 km/h. Destructive winds, damaging hail and flooding rainfall are possible.

Locations and nearby areas that could be impacted include: Windsor, LaSalle

This is a very dangerous and potentially life-threatening situation.

Take cover immediately in a basement, interior room, or a sturdy shelter when threatening weather approaches. If no shelter is available, lie in a low spot and protect your head from flying debris. If you are out on the water when threatening weather approaches, return to shore and seek shelter, if possible, or move directly away from the path of the tornado. Otherwise, wear your lifejacket, lie face down and protect your head.

Emergency Management Ontario recommends that you take cover immediately if threatening weather approaches.

Tornado warnings are issued when a thunderstorm is producing or is likely to produce a tornado.

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

If yes, please provide a brief description of the arrangements, or explain why extra employees were not arranged:

ENWIN did receive notice of the potential of a thunderstorm in the morning of September 3, however the tornado warnings were issued within minutes of the tornado entering ENWIN's service territory.

ENWIN maintains an afternoon shift of a single bucket truck, and this crew was on shift on the evening of September 3. This crew was immediately mobilized to assess the damage and address hazards.

The scale of outages was evident immediately upon the touchdown of the tornado. Additional ENWIN crews were called in promptly. ENWIN management simultaneously scheduled the field crews, system control, and supervisory staff to provide 24-hour storm restoration. Shifts of crews worked 24 hours per day beginning the evening of September 3.

3. If the distributor did have prior warning, did the distributor issue any alerts to the public warning of possible outages resulting from the pending Major Event?
☒ Yes ☐ No ☐ Not Applicable

In response to the 9:50 am Environment Canada notice, ENWIN posted a message on multiple social media platforms, including X. The post noted the severe weather warning and precautions customers should take (copy below).



ENWIN did not receive sufficient notice of the tornado event.

Throughout the event, ENWIN provided customer updates through its social media platforms and the public outage map. The ENWIN outage map was continually updated showing areas of known outages with estimated restoration time when known. These communication channels were used throughout the event to provide timely outage information

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

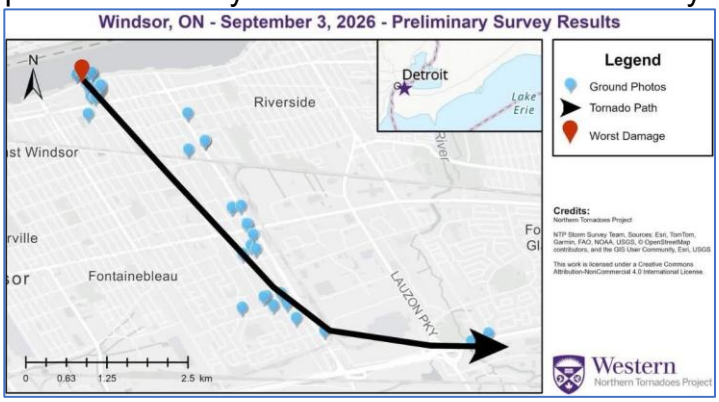
During the Major Event

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. If the event was caused by weather conditions, please specify the type of weather involved – such as high winds, freezing rain, tornadoes, ice storms, blizzards, heavy rainfall, flooding, or lightning storms.

On Thursday, September 3, 2026, shortly after 4 pm, a tornado entered Canada from Detroit, making landfall in Windsor. The tornado's track was approximately 7 km long with a width of 1.1 km. The path was entirely within ENWIN's service territory.



[1]

There was significant structural and tree damage in the path of the tornado. Additionally, the accompanying thunderstorm caused damage elsewhere in the city. In many circumstances the damage to the ENWIN distribution system was delayed by the need to clear felled trees to gain access.

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

☒ Yes, used IEEE Standard 1366
☐ No

[1] **Tornado map from University of Western Ontario, Northern Tornados Project**
https://www.uwo.ca/ntp/blog/2026/two_tornadoes_and_a_downburst_in_sw_on_on_sep_3.html

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

Date	Thursday September 3, 2026
Time	4:10 PM

4. If the Major Event was not caused by adverse weather, 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 ☒ Not Applicable

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

N/A

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

Approximately 44,181

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

46.4%

Please provide any additional comments relevant to question #5.

Total customers interrupted figure includes all sustained and momentary outages.

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

6 hours 42 minutes. The peak number of customers that were concurrently without power occurred at approximately 4:26pm on September 3, at that point approximately 15,645 customers were without power. At approximately 11:08 pm September 3 greater than 90% of the customers from the peak had been restored.

7. How many customers experienced service interruptions lasting less than 24 hours?

Approximately 43,562 customers; approximately 99% of the customers impacted by the event were restored in less than 24 hours.
Approximately 26,276 customers experienced a sustained outage greater than 1 minute and less than 24 hours.
Approximately 17,286 customers experienced a momentary outage only.

8. How many customers experienced service interruptions lasting between 24 and 48 hours?

Approximately 619 customers experienced an outage between 24 and 48 hours, approximately 1% of the customers impacted by the event.

9. How many customers experienced service interruptions lasting between 48 and 96 hours?

0

10. How many customers experienced service interruptions lasting between 96 and 168 hours?

0

11. How many customers experienced service interruptions lasting over 168 hours?

0

12. 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:

13. 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?

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

☐ Yes ☒ No

If yes, please describe the shortages

15. Provide the following characteristics of the Major Event:

i. Total number of feeders interrupted during the course of the event

13

ii. The maximum number of customers that were concurrently without power at any point during the event.

Approximately 15,645

16. What is the total number of damage assessments performed by the distributor during the course of the event?

26

17. What percentage of damage assessments were completed:

i. Within 4 hours after the interruption began

50%

ii. Within 8 hours after the interruption began

8%

iii. Within 12 hours after the interruption began

19%

iv. Over 12 hours after the interruption began

23%

18. What communication methods were used to inform customers during the Major Event? Select all that apply:

☒ Distributors website
☒ Social media
☐ Email
☐ Text message
☐ Telephone line
☐ Radio broadcast
☐ Other

If Other is selected please specify

19. During the Major Event, did any of the communication methods used become unavailable? If so, identify which one(s).

☒ No
☐ Yes, specified below

20. Provide SAIDI and SAIFI values for this Major Event

SAIDI :	0.334337
SAIFI :	0.246228

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 tornado and thunderstorm. ENWIN has invested in system automation/remote operation that allow for remote reconfiguration of the distribution feeders in event of upset. These system automation devices are in place to allow for the

smallest area of feeder circuit to be remotely isolated due to a fault condition while allowing for quick restoration of the remaining load.

Posted: October 30, 2026