

## Summary

**Filing Year**  
2021

**Form Name**  
E2.1.4.2.10

**RRR Filing No**  
32057

## Company

Wellington North Power Inc., Mount Forest ,  
ED-2002-0511

**Licence Type**  
Electricity Distributor

**Status**  
Submitted

## Submitted On

October 04, 2021

## Submitter Name

Richard Bucknall; +1 (519) 323-1710;  
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## Report Version

0

## Attachment:

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## Prior to the Major Event

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

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

4. Did the distributor train its staff on the response plans to prepare for this type of Major Event ? Yes

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## 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.

### Lightning

Please provide a brief description of the event (i.e. what happened?). If selected "Other", please explain  
The cause of interruption was Cause Code 4: Lightning.

There was a suspected lightning strike on the LDC's 44kV line in north of Mount Forest causing an arrester to fail which resulted in power outages to customers served by Wellington North Power (WNP) in the areas of Mount Forest and Holstein.

Because this lightning strike occurred on a 44kV power line, the line was de-energized to allow crews to make repairs. The line was de-energized to the source feed from Hydro One's Hanover Transmission station which caused wide-spread outages to the surrounding areas. Hydro One (HONI) crews performed line-switching to restore power to non-LDC customers. Once WNP had made repairs to the line, ensuring it was safe, the LDC notified HONI and waited for the 44 kV line to be safely re-energized.

2. Was the IEEE Standard 1366\* used to identify the scope of the Major Event? If not, why not?

Yes, used IEEE Standard 1366

\*The OEB preferred option

3. When did the Major Event begin

9/14/2021

10:33 pm

4. Did the distributor issue any estimated times of restoration (ETR) to the public during the Major Event? If so, through what channels?

Yes

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

Yes, WNP used both its' Twitter and Facebook accounts to post estimation restoration times (ETR) to customers as well as provide updates on the LDC's website. ETRs were provided to WNP from Hydro One Networks' Ontario Grid Control Centre (OGCC).

5. HOW MANY CUSTOMERS WERE INTERRUPTED DURING THE MAJOR EVENT?

2,805 CUSTOMERS

WHAT PERCENTAGE OF THE DISTRIBUTOR'S TOTAL CUSTOMER BASE DID THE INTERRUPTED CUSTOMERS REPRESENT?

71.00 %

6. HOW MANY HOURS DID IT TAKE TO RESTORE 90% OF THE CUSTOMERS WHO WERE INTERRUPTED?

5 HOURS

Additional Comments

5 hours and 4 minutes (304 minutes).

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

Yes

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

System Average Duration Interruption Duration Index = 3.620

System Average Frequency Interruption Duration Index = 0.714

Total customer hours of interruption = 14,212.00

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

No

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?

No

If yes, please describe the shortages.

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## After the Major Event

1. What steps, if any, are being taken to be prepared for or mitigate such Major Events in the future (i.e., staff training, process improvements, system upgrades)?

No further action is required at this time

Additional Comments

Wellington North Power Inc. will continue to forge good working relations with Hydro One Networks and the Ontario Grid Control Centre.