

Summary

Filing Year
2022

Form Name
E2.1.4.2.10

RRR Filing No
33843

Company

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

Licence Type
Electricity Distributor

Status
Submitted

Submitted On

August 31, 2022

Submitter Name

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Report Version

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Attachment:

Prior to the Major Event

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

Additional Comments

Wellington North Power Inc. did not have prior warning that the Major Event would occur.

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**

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

Please provide a brief description of the event (i.e. what happened?). If selected "Other", please explain
Supply feed from Hydro One's Fergus Transmission station M1 feeder was interrupted resulting in a Loss of Supply to embedded distributor Wellington North Power Inc. (WNP).

During the Loss of Supply, WNP's service territory of Arthur was without power.

The Loss of Supply was due to a Hydro One's Fergus Transmission station M1 feeder being locked out – this feeder supplies the 44 kV sub transmission line. At the start of the outage, there was a severe storm in the area with strong winds.

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

8/3/2022 5:54 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 providing 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?

1,192 CUSTOMERS

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

30.00 %

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

6 HOURS

Additional Comments

Hydro One restored hydro to Arthur at 11:28 pm on August 3, 2022.

Outage was 5.57 hours (334 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.

- o System Average Duration Interruption Duration Index = 1.646
- o System Average Frequency Interruption Duration Index = 0.296
- o Total customer hours of interruption = 6,635.47

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.

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.