

## Summary

**Filing Year**  
2023

**Form Name**  
E2.1.4.2.10

**RRR Filing No**  
35683

**Company**

PUC Distribution Inc., Sault Ste. Marie , ED-2002-0546

**Licence Type**

Electricity Distributor

**Status**

Submitted

**Submitted On**

May 08, 2023

**Submitter Name**

[REDACTED]

**Report Version**

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**Attachment:**

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## Prior to the Major Event

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

**Additional Comments**

Yes, PUC Distribution received weather warnings for rain and possible lightning.

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

**BRIEF DESCRIPTION OF ARRANGEMENTS, OR EXPLAIN WHY EXTRA EMPLOYEES WERE NOT ARRANGED**

Yes, Additional staff on placed Standby.

Line Department and Management staff are standby 24 hours a day, 7 days a week. We added additional Line Department Staff on standby. The Electric System Operator and Substation Electricians were also added on standby.

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 No

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

A lightning strike initiated a trip on one 12.47kV feeder and simultaneously struck a sky wire owned by a neighbouring Utility that fell on the 34.5kV Sub Transmission line that knocked out power to two additional Distribution Substations .

Lightning on April 5th is consistent with the OEB definition of "Major Event" (as set out in Section 2.1.4.2 of the OEB's Electrical Reporting and Record Keeping Requirements).

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

4/5/2023 02:08

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

No

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

The outage happened in the middle of the night.

No estimated restoration times were given but as service was restored, the number of customers restored are released to media outlets and the utility website.

We also notify Vulnerable Persons Registrants if the outage duration will exceed allowable timelines spelled out in the VPR agreement.

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

5,984 CUSTOMERS

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

17.50 %

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

5 HOURS

Additional Comments

Approximately 5 hours and 35 minutes to restore 90% of our affected customers.

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

No

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

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)?

Additional staff training

Additional Comments

Post outage review meetings are held after any major event outage as part of an ongoing action plan to improve outage times and staff proficiency.