

Hydro One Networks Inc.

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BY EMAIL AND RESS

August 15, 2022

Ms. Nancy Marconi
Registrar
Ontario Energy Board
Suite 2700, 2300 Yonge Street
P.O. Box 2319
Toronto, ON M4P 1E4

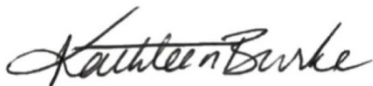
Dear Ms. Marconi,

EB-2021-0110 – Custom IR Application (2023-2027) for Hydro One Networks Inc. Transmission and Distribution (“Hydro One”) – Exhibit KSC1.1

Please find attached Exhibit KSC1.1, which was presented this morning in the transcribed discussion regarding JTU 2.23.

This filing has been submitted electronically using the OEB’s Regulatory Electronic Submission System (RESS).

Sincerely,

A handwritten signature in black ink that reads "Kathleen Burke".

Kathleen Burke

cc. EB-2021-0110 parties



May Storm Restoration Update

JRAP Settlement Conference (EB-2021-0110)
August 15, 2022



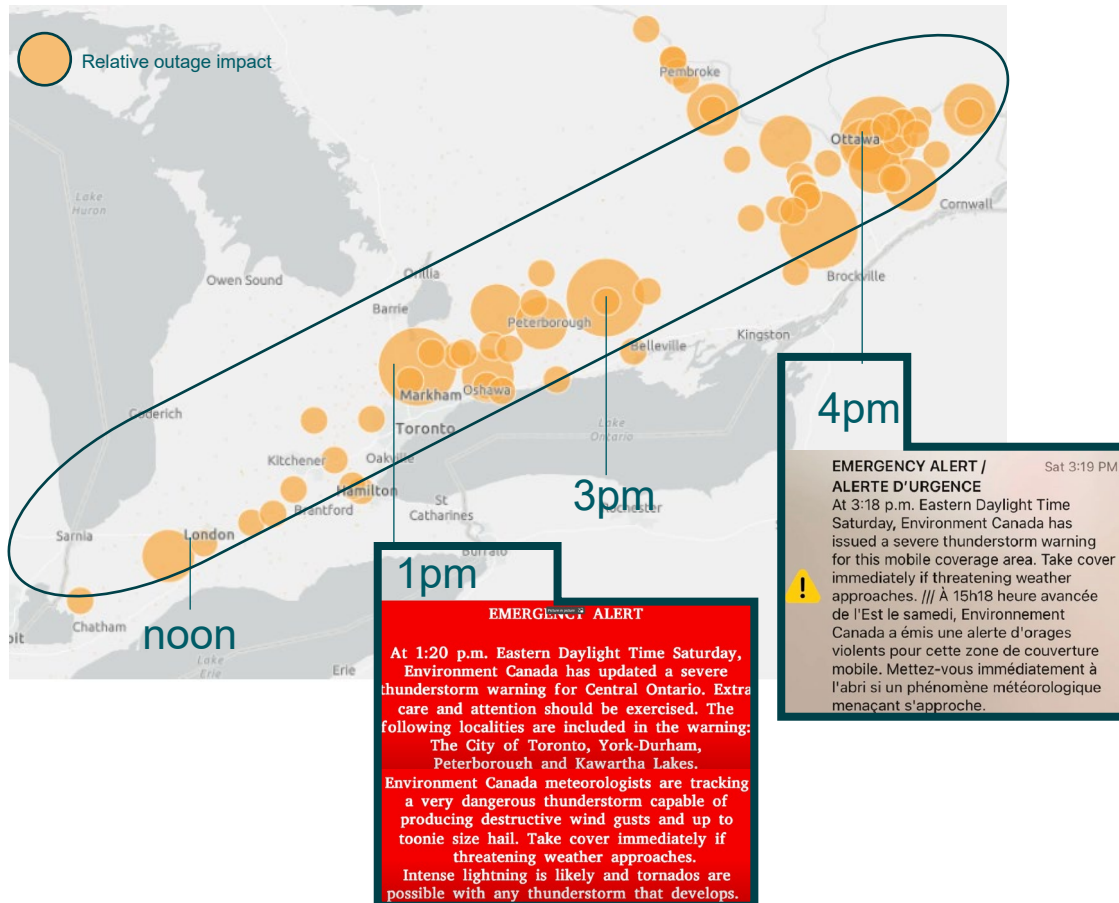
Summary

May 21, 2022 Derecho

- Historical event
- Restoration Efforts

May 21 Derecho

Approximate Storm Path and outage impact

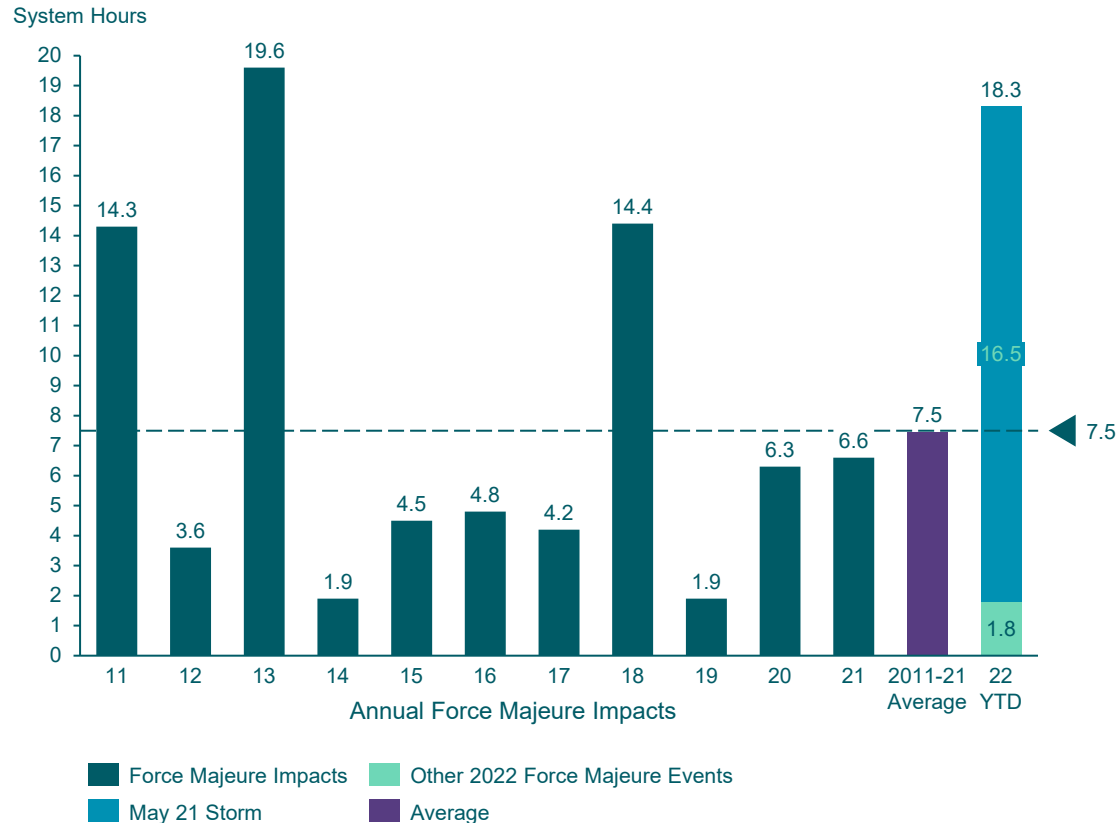


May 21, 2022

- Thunderstorm system formed in Michigan and travelled northeast through southern Ontario, roughly north of the 401 corridor
- Lines of intense, widespread, and fast-moving systems swept across the Central, Southern and Eastern regions of Ontario
- Torrential rainfalls, hails, frequent lightning, tornados and sustained winds of up to 130km/h and peak gusts close to 200 km/h that downed large volume of trees and caused significant damage
- First Derecho in Ontario in over 20 years(1999)
- No prior warning of a storm of this magnitude
- Environment and Climate Change Canada issued its first ever emergency phone alert to warn of the event

Historic Event

Force Majeure (Major Event) Storm System Impacts¹



- Hydro One experienced significant outages, impacting over half of customers²
- The average Dx customer experienced 16.5 outage hours as a result of the event, which exceeds the annual average by 2.2x and would rank as the worst force majeure event in recent years
- Significant restoration efforts undertaken across southern Ontario, requiring over 250 hours (~10 days) to restore 90% of customers impacted by the event

¹ – Impact of Force Majeure events is excluded from reliability metrics and scorecard based on the unpredictable, unforeseen, and generally unavoidable nature of these events, consistent with OEB Electricity Record Keeping & Reporting Requirements and major event criteria [Section 2.1.4.2, pages 10-11]

²– As at May 29, Hydro One restored 760,000 customers. Ultimately, the storm impacted approximately 780,000 Hydro One distribution customers while an additional 110,000 customers were impacted by a Hydro One transmission loss of supply. In total, Hydro One restored power to 890,000 customers across the province as part of its storm restoration efforts; figure includes approximately 80,000 customers in the acquired service areas of Woodstock, Norfolk, Haldimand, Peterborough and Orillia that were affected

Restoration Efforts

- ~2,000 broken poles
- ~800 broken cross-arms
- ~500 damaged transformers
- No serious injuries to restoration crews



May 21, 2022 Storm – Downed Trees and Conductor Damage



May 21, 2022 Storm – Downed Trees



May 21, 2022 Storm – Broken Distribution Pole



May 21, 2022 Storm – Downed Trees

Restoration Efforts

- Approximately 3,000 resources were mobilized at the peak of the restoration effort.
- 5 aircrafts and all available fleets were deployed



May 21, 2022 Storm – Downed Poles and Conductor Damage



May 21, 2022 Storm – Downed Poles and Conductor Damage

- Assistance from over 30 peer utilities and contractors
- Recovery and clean up until end of June

Restoration Efforts



May 21, 2022 Storm – Remote Access Equipment Delivery By Boat



May 21, 2022 Storm – Remote Access Equipment Delivery by Helicopter



May 21, 2022 Storm – US Contractor crossing border (Thousand Islands International Bridge)

Restoration Efforts

- Restored ~**50%** of interrupted customers within **65 hrs**
- Restored 90% of interrupted customers within ~**250 hrs**
- Last interrupted customer was restored on **July 4th**



May 21, 2022 Storm – Island Restoration Effort

Thank
you.

