

DECEMBER 19-20, 2025 WIND STORM

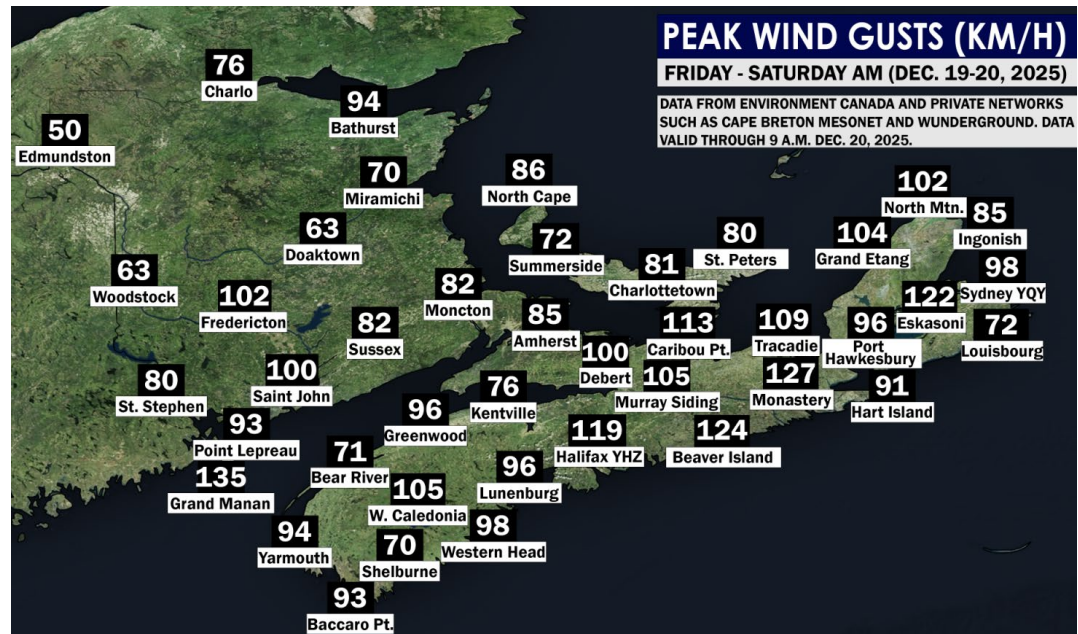
STORM REPORT

METHODOLOGY

- The report assigns the temperature and wind data based on the highest observed speeds that occurred during the event.
- Full accounting of hourly weather data is provided as an appendix for the eight representative stations used.
- The map in the provincial highlights slide is divided into NS Power's operational depot boundaries.
- Provincial highlights in slide 3 and slides 6-7 illustrate outages with the largest CHI impact and overall customer impact. These are intended to give an indication of the overall event impacts and restoration process.
- “Unique Customer Impacts” refers to the total number of unique customers who experienced an outage during the event. A customer who experienced a power outage twice during an event would count as a single unique customer in this tally. “Total Customer Impacts” refers to the total number of customers impacted during an event. A customer who experienced a power outage twice during an event would be counted twice in this tally.
- Following the direction of NS Power’s weather consultant, the data needed for this report to present a useful analysis typically requires an examination of eight representative stations. This provides a view of the magnitude, as well as the timing of the strong winds during an impactful storm event. Since this analysis also involves forecast verification, the same list of trusted, high-quality stations is used to ensure results are aligned and benchmarked with the proper historical context. This is also a practical meteorological rationale to focus on the impact and magnitude of an overall event as opposed to the wind speed and gusts at specific sites. Wind speeds and gusts vary significantly due to local effects and conditions such as, but not limited to, shelter from trees, exposed hilltop, sheltered valleys, or coastal wind effects (i.e. stations located on coastline observe winds that do not extend inland). This site-specific information is useful when determining potential local wind enhancements and how to mitigate; however, it historically has limited added value in the province-wide analysis undertaken by NS Power to date.

SECTION 1: WEATHER EVENT SUMMARY

- A strong wind and rain event impacted Nova Scotia from December 19 into December 20, 2025, bringing strong winds, heavy rainfall, and an elevated risk of localized flooding across the province.
- Winds gusts were recorded above warning levels (80km/h) in 7 of the 8 weather regions. Peak gusts of 115 km/h were recorded in the Eastern Shore region.
- Environment Canada issued Yellow Warnings for both wind and rain prior to December 19, 2025. Heavy periods of rain resulted in upward of 40 mm in some areas.
- The event impacted every area of the province as it swept across the province late on the 19th into the 20th.



SECTION 2: WIND OBSERVATIONS

Region	Forecast (24Hr Prior)		Actuals					
	Precipitation	Wind Gust (km/h)	Weather Station	Temp (°C)	Weather Observation	Sustained Wind (km/h)	Max Wind Gust (km/h)	Wind Direction (Deg)
Annapolis Valley (V)	Rain	95	Greenwood	15	Rain	37	96	170
South Shore (SS)	Rain	100	Yarmouth	12	Rain	63	83	180
Northern Nova Scotia (N)	Rain	95	Nappan	14	Rain	48	74	170
NorthEast (NE)	Rain	90	Caribou Pt.	13	Rain	74	104	180
Metro (M)**	Rain	100	Airport	10	Rain	65	100	180
Eastern Shore (ES)	Rain	100	Beaver Is	11	Rain	93	115	180
CB West (CBW)	Rain	100	Grand Étang	14	Rain	52	96	160
CB East (CBE)	Rain	100	Sydney	11	Rain	48	91	190

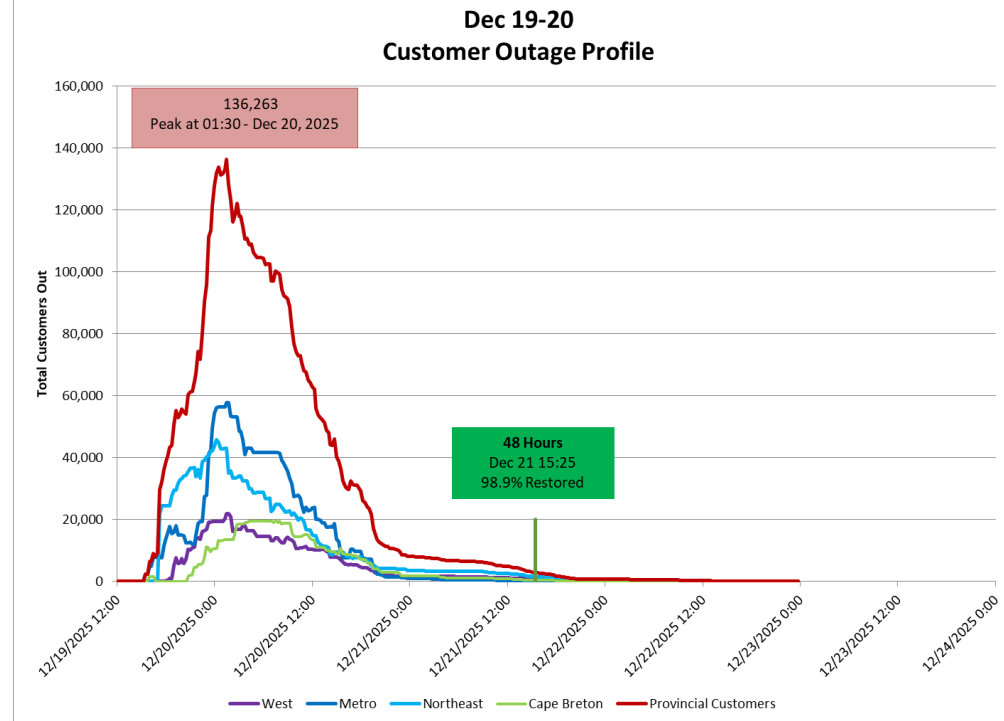
Note: Temperatures shown were recorded during the hour peak winds were observed in each region.

**Weather service provider was unable to obtain actual measurements for the Metro region; all provided actuals are from the December 19th 04:00 forecast.

SECTION 3: OUTAGE SUMMARY

Outage Restoration Profile:

Metric	Result
Unique Customers Impacted	198,998
Customer Interruptions	268,354
Total Customer Hours	2,112,088
Event Start Time	Dec 19 15:25
Event End Time*	Dec 20 19:33
Main Regions Impacted	Entire Province



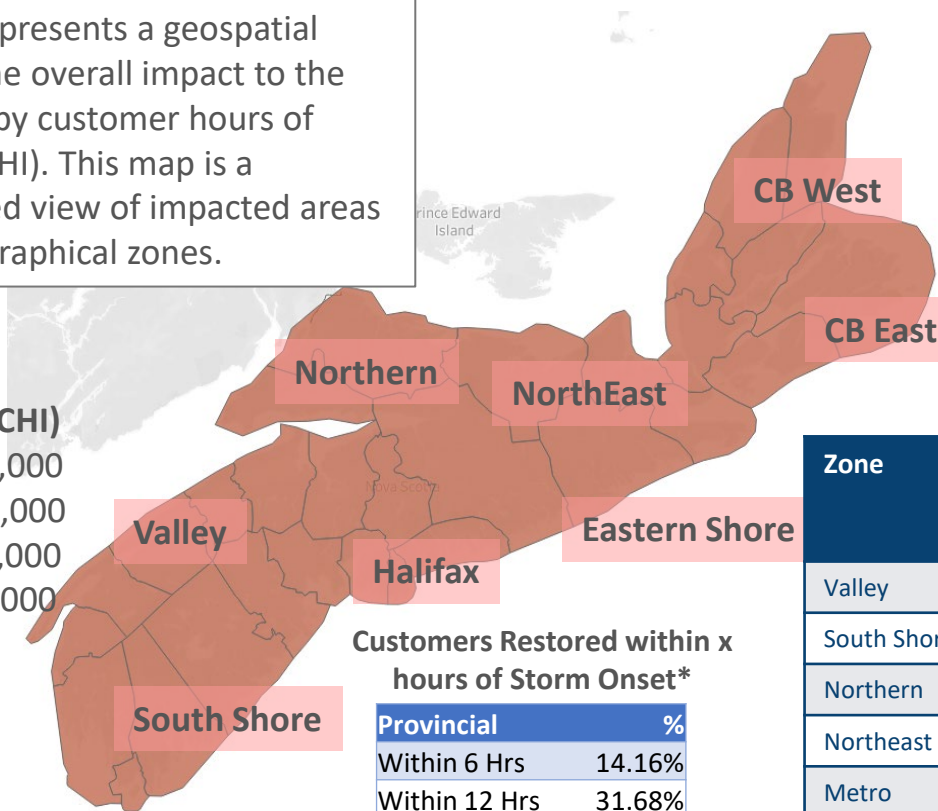
Restoration began at the onset of storm-related outages and continued throughout the event until the last customer was restored at 16:00 on December 23, 2025. As a result, 98.93% of impacted customers were restored within the first 48 hours. Per NS Power's storm restoration principles, these smaller outages are addressed following restoration of larger outages and are often complicated by off-road or remote locations of damage or tree contacts or flooded areas.

SECTION 4: PROVINCIAL IMPACT SUMMARY – DECEMBER 19-20, 2025

This map presents a geospatial view of the overall impact to the province by customer hours of impact (CHI). This map is a symbolized view of impacted areas by 8 geographical zones.

Legend (CHI)

Red >50,000
Orange >25,000
Yellow >10,000
Green <10,000



**Customers Restored within x
hours of Storm Onset***

Provincial	%
Within 6 Hrs	14.16%
Within 12 Hrs	31.68%
Within 24 Hrs	82.17%
Within 48 Hrs	98.93%

*This table represents the percentage of customers restored within 6, 12, 24, or 48 hours of the start of the storm, rather than the start of their individual outage.

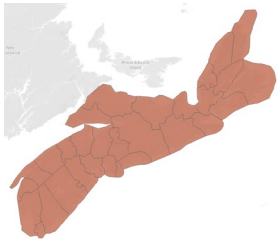
** 93.62% of customers were restored prior to the stormy weather ceasing.
Average restoration time for the storm was under 19.5hrs.

NS experienced a wind, snow and rain event bringing strong gusts and significant precipitation on December 19-20, 2025. High winds and heavy, wet snow caused trees to contact lines and led to equipment damage. Over 600 field resources were mobilized to restore power in affected areas.

Zone	Customers Impacted (CI)***	Unique Customers Impacted	Customer Hours of Interruptions (CHI)
Valley	43,852	36,199	289,711
South Shore	20,075	17,194	230,061
Northern	20,595	11,189	126,874
Northeast	55,377	43,247	525,566
Metro	92,007	62,050	559,818
Eastern Shore	3,813	3,081	57,834
CB West	9,865	7,071	69,045
CB East	22,770	18,967	253,180
Province	268,354	198,998	2,112,088

***Customers Impacted (CI) reflects total not unique impacted

*Wind gusts shown are those at or preceding the event.



SECTION 4: PROVINCIAL HIGHLIGHTS

Zone	Date/ Time	Weather Station	Direction (Degrees)	Wind (km/h)	Max Wind Gusts* (km/h)	Temp (°C)	Cause	Sub-Cause	Description	Customers Impacted	Duration (Hours)
Valley	12/19/2025 23:03	Greenwood	210	28	96	14	Adverse Weather	Wind	High winds and heavy rain caused the recloser to operate.	3,404	10.53
South Shore	12/19/2025 20:28	Yarmouth	190	52	81	12	Tree Contacts	Falling Trees	High winds caused trees to contact the primary lines, opening the recloser.	1,764	13.5
Northern	12/19/2025 22:13	Nappan	170	43	74	13	Loss of Supply	Transmission Substation	High winds and heavy rain caused a broken lead on the transmission line.	2,348	8.55
Northeast	12/19/2025 18:36	Caribou Pt.	170	52	63	11	Tree Contacts	Falling Trees	High winds caused trees to contact the primary lines, opening the recloser.	2,701	16.51
Metro	12/19/2025 17:02	Halifax Airport	180	55	85	12	Tree Contacts	Falling Trees	High winds caused trees to contact the primary lines, opening the recloser.	3,587	18.33
Eastern Shore	12/20/2025 0:07	Beaver Island	180	96	115	11	Tree Contacts	Falling Trees	High winds caused trees to contact the primary lines, opening the recloser.	1,046	11.67
CB West	12/20/2025 0:15	Gr. Etang	170	56	93	14	Tree Contacts	Falling Trees	High winds caused trees to contact the primary lines, opening the recloser.	1,573	19.1
CB East	12/19/2025 21:26	Sydney	190	48	70	11	Tree Contacts	Falling Trees	High winds caused trees to contact the primary lines, opening the recloser.	1,670	15.02

SECTION 4:

PROVINCIAL HIGHLIGHTS – TOP 5

EVENTS BY CUSTOMERS IMPACTED

Zone	Date/ Time	Weather Station	Direction (Degrees)	Wind (km/h)	Max Wind Gusts (km/h)	Temp (°C)	Cause	Sub-Cause	Description	Customers Impacted	Duration (Hours)
Northeast	12/19/2025 17:09	Caribou Pt.	170	46	57	11	Loss of Supply	Transmission Substation	High winds and heavy rain caused a broken lead on the transmission line.	4,921	8.59
Halifax	12/19/2025 16:20	Halifax Airport	180	55	85	12	Tree Contacts	Falling Trees	High winds caused trees to contact the primary lines, opening the recloser.	3,847	0.88
Halifax	12/19/2025 23:06	Halifax Airport	180	65	100	10	Adverse Weather	Wind	High winds and heavy rains caused the recloser to operate.	3,842	4.48
Halifax	12/19/2025 17:02	Halifax Airport	180	55	85	12	Tree Contacts	Falling Trees	High winds caused trees to contact the primary lines, opening the recloser.	3,587	18.33
Halifax	12/20/2025 11:26	Halifax Airport	270	45	100	1	Failed/ Damaged Equipment	Mechanical Failure	High winds caused the primary line to become dislodged from the pole.	3,584	4.06

SECTION 4:

PROVINCIAL HIGHLIGHTS – TOP 5

EVENTS BY DURATION

Zone	Date/ Time	Weather Station	Direction (Degrees)	Wind (km/h)	Max Wind Gusts (km/h)	Temp (°C)	Cause	Sub-Cause	Description	Customers Impacted	Duration (Hours)
South Shore	12/20/2025 8:37	Yarmouth	290	48	83	2	Tree Contacts	Falling Trees	High winds caused a tree to damage the customer's service line. Crews had trouble accessing the private road due to road conditions.	1	79.39
Northeast	12/19/2025 17:26	Caribou Pt.	170	46	57	11	Tree Contacts	Falling Trees	High winds caused a tree to damage the primary line. Crews had to wait for improved conditions and day light to access this line through the woods.	49	69.84
South Shore	12/19/2025 20:36	Yarmouth	190	52	81	12	Tree Contacts	Falling Trees	High winds caused a tree to damage the customer's service line. Crews needed to replace the triplex to the customer's house.	1	68.35
South Shore	12/19/2025 19:58	Yarmouth	180	46	72	12	Tree Contacts	Falling Trees	High winds caused multiple trees to contact and damage the primary line in multiple locations. Higher load on downstream customers delayed restoration.	29	67.29
South Shore	12/19/2025 21:52	Yarmouth	180	63	83	12	Tree Contacts	Falling Trees	High winds caused multiple trees to contact and damage the primary line in multiple locations. Higher load on downstream customers delayed restoration.	11	66.69



NOTE: NS Power's Emergency Services Restoration Plan details the restoration priorities which focus on restoring power to critical infrastructure and the largest number of customers first. Following this plan, crews were initially focused on outage events impacting larger customer counts and then continued in this manner until all customers were restored.



SECTION 4: ZONE SUMMARY IMPACT SUMMARY – VALLEY

This region was impacted by high winds and heavy rain during the weather event. The largest cause of outages was due to tree contacts, as winds peaked at 96 km/h in the region.

Outage Summary:

Customers Impacted: 43,852

Customer hours of interruption: 289,711

Full Restoration*: 66.8 Hours

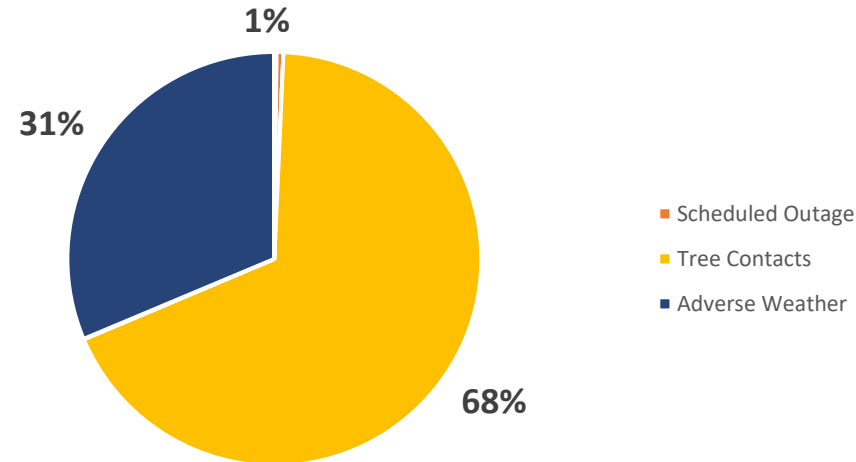
*elapsed time from first outage event to restoration of last event

Customers Restored within X hours of Storm Onset

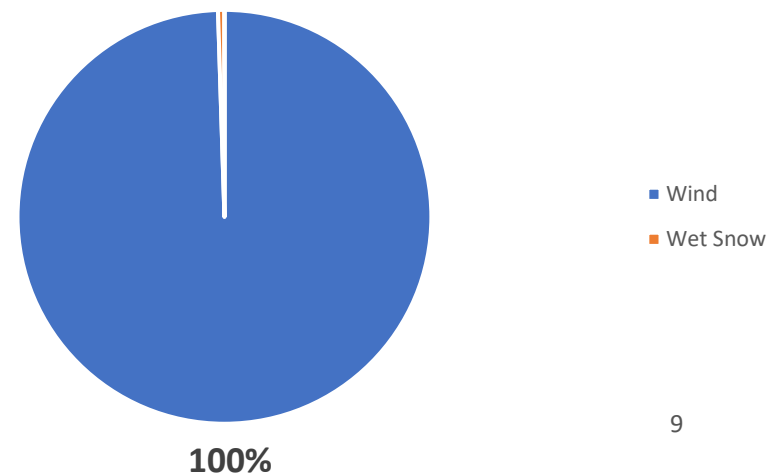
Valley	%
Within 6 Hrs	36.01%
Within 12 Hrs	47.74%
Within 24 Hrs	89.77%
Within 48 Hrs	99.78%

This table represents the percentage of customers restored within 6, 12, 24, or 48 hours of the start of the storm, rather than the start of their individual outage. Average restoration time for this region was 20.07 hours.

Cause of Outages (CHI)



Adverse Weather Cause of Outage (CHI)



SECTION 4: ZONE IMPACT SUMMARY – VALLEY TOP TWO EVENTS BY DURATION & CUSTOMER IMPACT

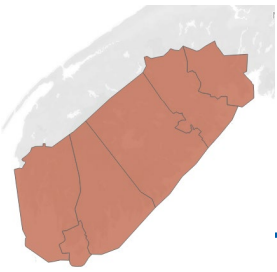
Duration

Zone	Date/ Time	Weather Station	Direction (Degrees)	Wind (km/h)	Max Wind Gusts (km/h)	Temp (°C)	Cause	Sub-Cause	Description	Customer s Impacted	Duration (Hours)
Valley	12/20/2025 8:56	Greenwood	250	56	96	2	Tree Contacts	Falling Trees	High winds caused a tree to break the customer's service line.	1	49.3
Valley	12/19/2025 19:08	Greenwood	160	41	65	14	Tree Contacts	Falling Trees	High winds caused a tree to break the customer's service line.	1	47.39

Customer Impact

Zone	Date/ Time	Weather Station	Direction (Degrees)	Wind (km/h)	Max Wind Gusts (km/h)	Temp (°C)	Cause	Sub-Cause	Description	Customers Impacted	Duration (Hours)
Valley	12/19/2025 23:03	Greenwood	210	28	96	14	Adverse Weather	Wind	High winds and heavy rain caused the recloser to operate.	3,404	10.53
Valley	12/19/2025 21:42	Greenwood	170	37	96	15	Tree Contacts	Falling Trees	High winds caused a tree to contact the primary line, operating the recloser.	2,432	4.36

SECTION 4: ZONE SUMMARY IMPACT SUMMARY – SOUTH SHORE



This region was impacted by high winds and heavy rain during the weather event. The largest cause of outages was due to tree contacts, as winds peaked at 83 km/h in the region.

Outage Summary:

Customers Impacted: 20,075

Customer hours of interruption: 230,061

Full Restoration*: 95.3 Hours

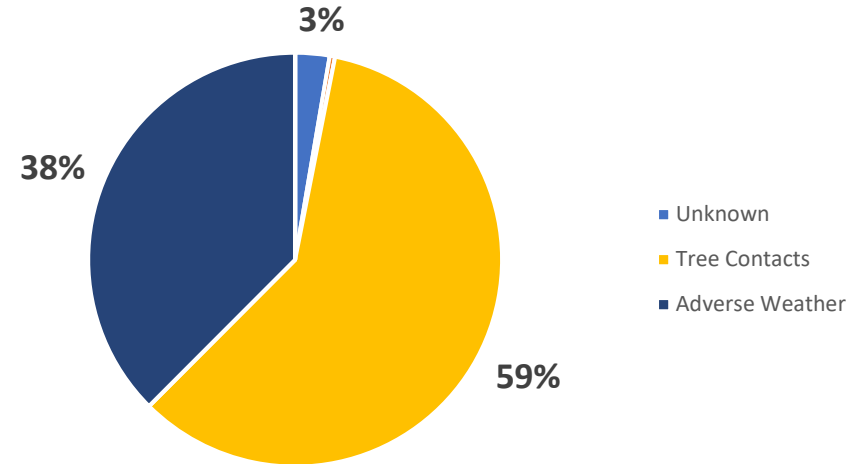
*elapsed time from first outage event to restoration of last event

Customers Restored within X hours of Storm Onset

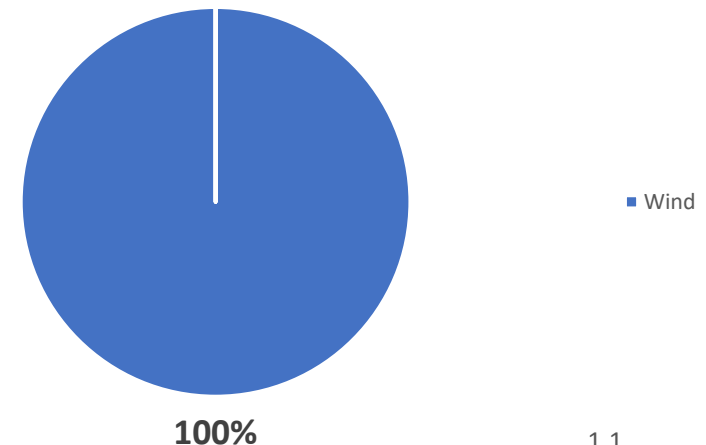
South Shore	%
Within 6 Hrs	3.66%
Within 12 Hrs	17.17%
Within 24 Hrs	70.01%
Within 48 Hrs	96.35%

This table represents the percentage of customers restored within 6, 12, 24, or 48 hours of the start of the storm, rather than the start of their individual outage. Average restoration time for this region was 23.1 hours.

Cause of Outages (CHI)



Adverse Weather Cause of Outage (CHI)



SECTION 4: ZONE IMPACT SUMMARY – SOUTH SHORE TOP TWO EVENTS BY DURATION & CUSTOMER IMPACT

Duration

Zone	Date/ Time	Weather Station	Direction (Degrees)	Wind (km/h)	Max Wind Gusts (km/h)	Temp (°C)	Cause	Sub-Cause	Description	Customers Impacted	Duration (Hours)
South Shore	12/20/2025 8:37	Yarmouth	290	48	83	2	Tree Contacts	Falling Trees	High winds caused a tree to damage the customer's service line. Crews had trouble accessing the private road due to road conditions.	1	79.39
South Shore	12/19/2025 20:36	Yarmouth	190	52	81	12	Tree Contacts	Falling Trees	High winds caused a tree to damage the customer's service line. Crews needed to replace the triplex to the customer's house.	1	68.35

Customer Impact

Zone	Date/ Time	Weather Station	Direction (Degrees)	Wind (km/h)	Max Wind Gusts (km/h)	Temp (°C)	Cause	Sub-Cause	Description	Customers Impacted	Duration (Hours)
South Shore	12/19/2025 20:28	Yarmouth	190	52	81	12	Tree Contacts	Falling Trees	Strong winds caused trees to contact the primary lines, opening the recloser.	1,764	13.5
South Shore	12/19/2025 23:00	Yarmouth	230	35	83	9	Adverse Weather	Wind	High winds and heavy rain caused the recloser to operate.	1,409	8.95



SECTION 4: ZONE IMPACT SUMMARY – NORTHERN

This region was impacted by high winds and heavy rain during the weather event. The largest cause of outages was due to a transmission line outage which caused outages for 13,000 customers and were 5 and 8 hour outages.

Outage Summary:

Customers Impacted: 20,595

Customer hours of interruption: 126,874

Full Restoration*: 64.03 Hours

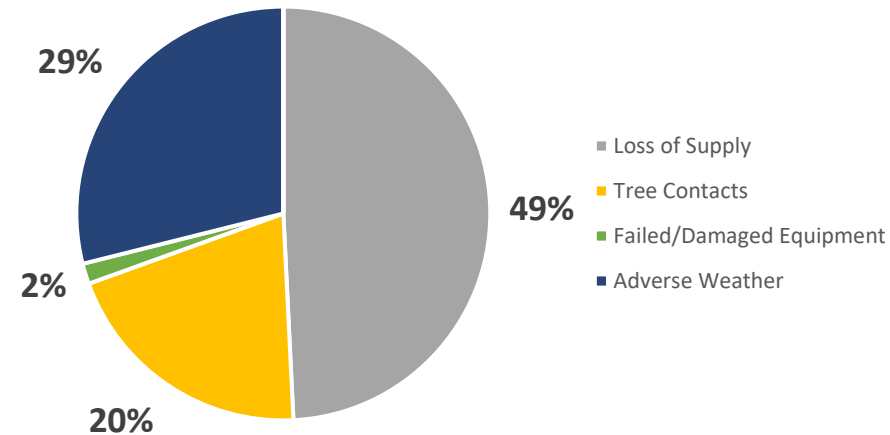
*elapsed time from first outage event to restoration of last event

Customers Restored within X hours of Storm Onset

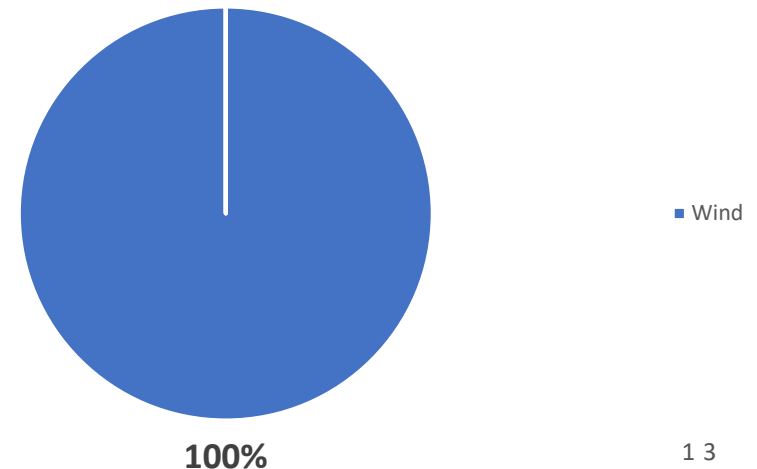
Northern	%
Within 6 Hrs	0.05%
Within 12 Hrs	28.30%
Within 24 Hrs	92.34%
Within 48 Hrs	100.00%

This table represents the percentage of customers restored within 6, 12, 24, or 48 hours of the start of the storm, rather than the start of their individual outage. Average restoration time for this region was 7.9 hours.

Cause of Outages (CHI)



Adverse Weather Cause of Outage (CHI)



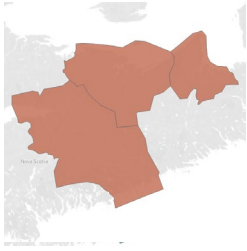
SECTION 4: ZONE IMPACT SUMMARY – NORTHERN TOP TWO EVENTS BY DURATION & CUSTOMER IMPACT

Duration

Zone	Date/ Time	Weather Station	Direction (Degrees)	Wind (km/h)	Max Wind Gusts (km/h)	Temp (°C)	Cause	Sub-Cause	Description	Customers Impacted	Duration (Hours)
Northern	12/19/2025 17:09	Nappan	170	44	65	13	Tree Contacts	Falling Trees	High winds caused a tree to land on the primary line, breaking the pole.	50	45.86
Northern	12/20/2025 14:35	Nappan	280	35	74	-1	Adverse Weather	Wind	Hight winds and heavy rain caused a branch line fuse to open.	1	42.6

Customer Impact

Zone	Date/ Time	Weather Station	Direction (Degrees)	Wind (km/h)	Max Wind Gusts (km/h)	Temp (°C)	Cause	Sub-Cause	Description	Customers Impacted	Duration (Hours)
Northern	12/19/2025 22:24	Nappan	170	43	74	13	Adverse Weather	Wind	High winds and heavy rain caused the recloser to operate.	2,525	5.68
Northern	12/19/2025 22:13	Nappan	170	43	74	13	Loss of Supply	Transmission	High winds and heavy rain caused a broken lead on the transmission line.	2,348	8.55



SECTION 4: ZONE IMPACT SUMMARY – NORTHEAST

This region was impacted by high winds and heavy rain during the weather event. The largest cause of outages was due to tree contacts, as winds peaked at 104 km/h in the region.

Outage Summary:

Customers Impacted: 55,377

Customer hours of interruption: 525,566

Full Restoration*: 72.92 Hours

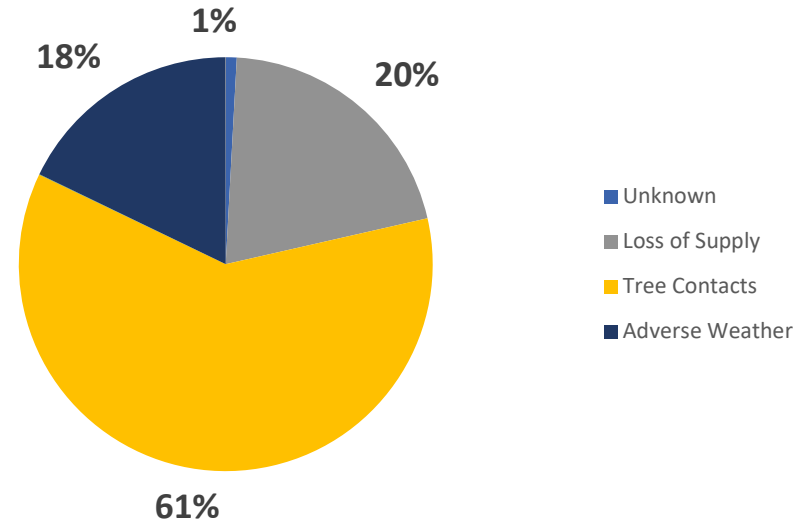
*elapsed time from first outage event to restoration of last event

Customers Restored within X hours of Storm Onset

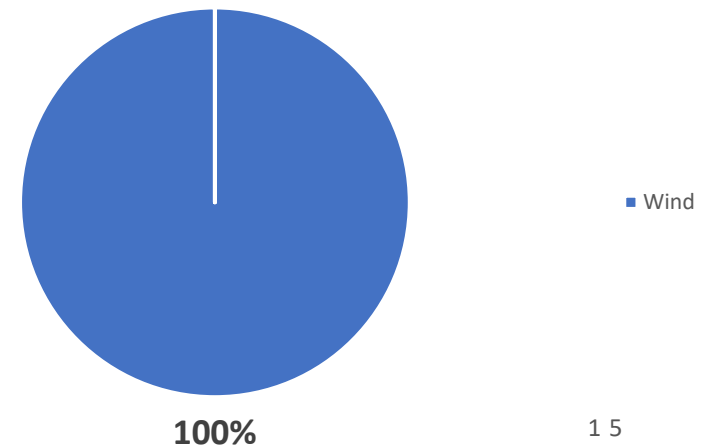
Northeast	%
Within 6 Hrs	1.86%
Within 12 Hrs	40.82%
Within 24 Hrs	82.42%
Within 48 Hrs	97.71%

This table represents the percentage of customers restored within 6, 12, 24, or 48 hours of the start of the storm, rather than the start of their individual outage. Average restoration time for this region was 25.2 hours.

Cause of Outages (CHI)



Adverse Weather Cause of Outage (CHI)



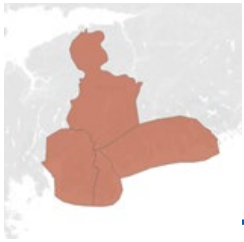
SECTION 4: ZONE IMPACT SUMMARY – NORTH-EASTERN TOP TWO EVENTS BY DURATION & CUSTOMER IMPACT

Duration

Zone	Date/ Time	Weather Station	Direction (Degrees)	Wind (km/h)	Max Wind Gusts (km/h)	Temp (°C)	Cause	Sub-Cause	Description	Customers Impacted	Duration (Hours)
Northeast	12/19/2025 17:26	Caribou Pt.	170	46	57	11	Tree Contacts	Falling Trees	High winds caused a tree to damage the primary line. Crews had to wait for improved conditions and daylight to access this line through the woods.	49	69.84
Northeast	12/19/2025 20:26	Caribou Pt.	170	67	87	13	Tree Contacts	Falling Trees	High winds caused a tree to damage the customer's service line.	1	64.66

Customer Impact

Zone	Date/ Time	Weather Station	Direction (Degrees)	Wind (km/h)	Max Wind Gusts (km/h)	Temp (°C)	Cause	Sub-Cause	Description	Customers Impacted	Duration (Hours)
Northeast	12/19/2025 17:09	Caribou Pt.	170	46	57	11	Loss of Supply	Transmission	High winds and heavy rain caused a broken lead on the transmission line.	4,921	8.59
Northeast	12/19/2025 17:09	Caribou Pt.	170	46	57	11	Loss of Supply	Transmission	High winds and heavy rain caused a broken lead on the transmission line.	3,219	8.59



SECTION 4: ZONE SUMMARY IMPACT SUMMARY – METRO

This region was impacted by strong winds and periods of heavy rain. The largest cause of outages was due to trees contacting the power lines.

Outage Summary:

Customers Impacted: 92,007

Customer hours of interruption: 559,818

Full Restoration*: 69.97 Hours

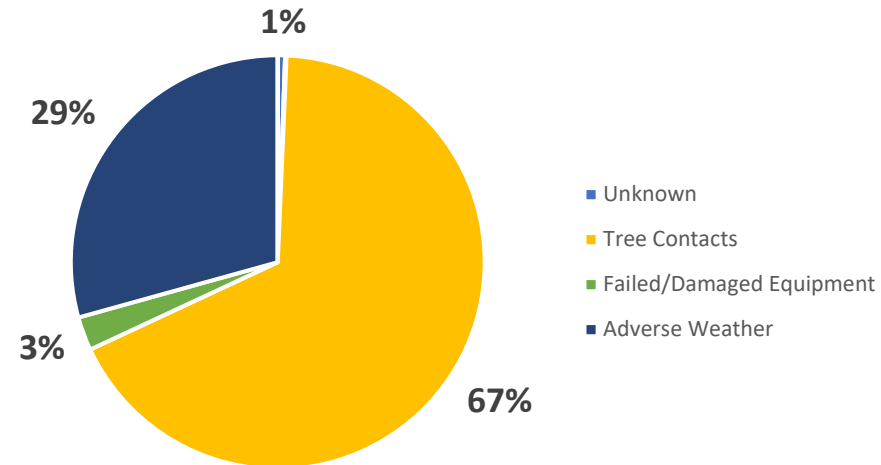
*elapsed time from first outage event to restoration of last event

Customers Restored within X hours of Storm Onset

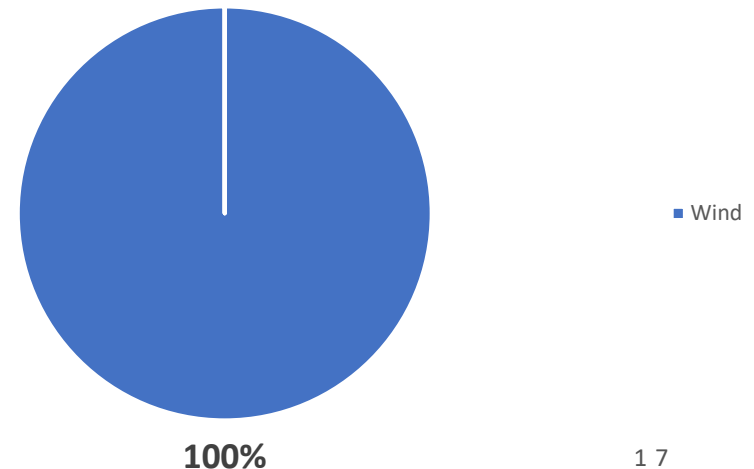
Metro	%
Within 6 Hrs	18.67%
Within 12 Hrs	28.71%
Within 24 Hrs	85.02%
Within 48 Hrs	99.87%

This table represents the percentage of customers restored within 6, 12, 24, or 48 hours of the start of the storm, rather than the start of their individual outage. Average restoration time for this region was 13.86 hours.

Cause of Outages (CHI)



Adverse Weather Cause of Outage (CHI)



SECTION 4: ZONE IMPACT SUMMARY – METRO TOP TWO EVENTS BY DURATION & CUSTOMER IMPACT

Duration

Zone	Date/ Time	Weather Station	Direction (Degrees)	Wind (km/h)	Max Wind Gusts (km/h)	Temp (°C)	Cause	Sub-Cause	Description	Customers Impacted	Duration (Hours)
Halifax	12/19/2025 23:24	Halifax Airport	180	65	100	10	Tree Contacts	Falling Trees	High winds caused a tree to fall on the primary line, operating the fuse.	1	60.15
Halifax	12/19/2025 17:32	Halifax Airport	180	55	85	12	Tree Contacts	Falling Trees	High winds caused a tree to fall on the customer's service line.	1	53.09

Customer Impact

Zone	Date/ Time	Weather Station	Direction (Degrees)	Wind (km/h)	Max Wind Gusts (km/h)	Temp (°C)	Cause	Sub-Cause	Description	Customers Impacted	Duration (Hours)
Halifax	12/19/2025 16:20	Halifax Airport	180	55	85	12	Tree Contacts	Falling Trees	High winds caused trees to contact the primary lines, opening the recloser.	3,847	0.88
Halifax	12/19/2025 23:06	Halifax Airport	180	65	100	10	Adverse Weather	Wind	High winds and heavy rain were suspected to cause the conductors to make contact, opening the recloser.	3,842	4.48



SECTION 4: ZONE SUMMARY IMPACT SUMMARY – EASTERN SHORE

This region was impacted by high winds and heavy rain during the weather event. The largest cause of outages was due to tree contacts, as winds peaked at 115 km/h in the region.

Outage Summary:

Customers Impacted: 3,813

Customer hours of interruption: 57,834

Full Restoration*: 61.00 Hours

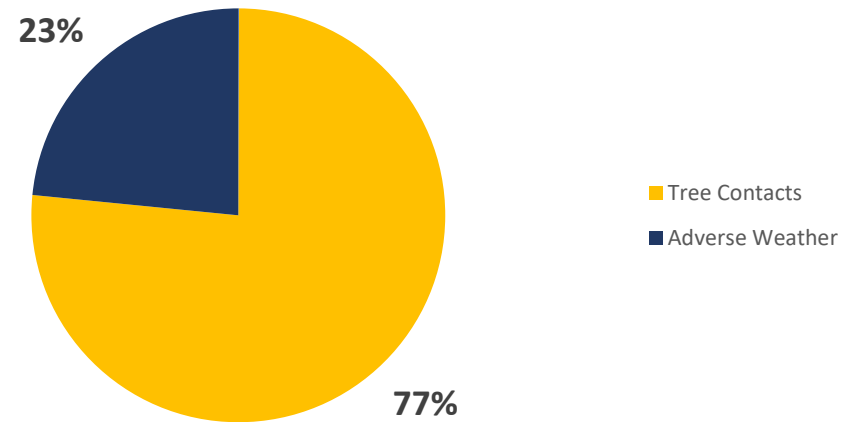
*elapsed time from first outage event to restoration of last event

Customers Restored within X hours of Storm Onset

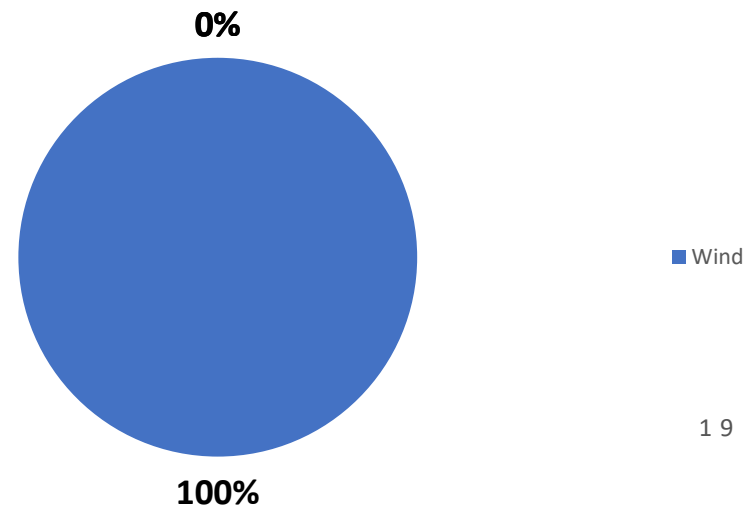
Eastern Shore %	
Within 6 Hrs	0.00%
Within 12 Hrs	0.00%
Within 24 Hrs	78.76%
Within 48 Hrs	94.05%

This table represents the percentage of customers restored within 6, 12, 24, or 48 hours of the start of the storm, rather than the start of their individual outage. Average restoration time for this region was 20.7 hours.

Cause of Outages (CHI)



Adverse Weather Cause of Outage (CHI)



SECTION 4: ZONE IMPACT SUMMARY –EASTERN SHORE TOP TWO EVENTS BY DURATION & CUSTOMER IMPACT

Duration

Zone	Date/ Time	Weather Station	Direction (Degrees)	Wind (km/h)	Max Wind Gusts (km/h)	Temp (°C)	Cause	Sub-Cause	Description	Customers Impacted	Duration (Hours)
Eastern Shore	12/20/2025 0:07	Beaver Island	180	93	115	11	Tree Contacts	Falling Trees	High winds caused a tree to damage the customer's service line.	1	57
Eastern Shore	12/20/2025 0:07	Beaver Island	180	93	115	11	Tree Contacts	Falling Trees	High winds caused trees to contact the primary lines, opening the recloser.	160	56.97

Customer Impact

Zone	Date/ Time	Weather Station	Direction (Degrees)	Wind (km/h)	Max Wind Gusts (km/h)	Temp (°C)	Cause	Sub-Cause	Description	Customers Impacted	Duration (Hours)
Eastern Shore	12/20/2025 0:07	Beaver Island	180	93	115	11	Tree Contacts	Falling Trees	Strong winds caused trees to contact the primary lines, opening the recloser.	1,046	11.67
Eastern Shore	12/19/2025 22:24	Beaver Island	170	69	104	9	Tree Contacts	Falling Trees	Strong winds caused trees to contact the primary lines, opening the recloser.	566	12.85



SECTION 4: ZONE IMPACT SUMMARY – CAPE BRETON WEST

This region was impacted by high winds and heavy rain during the weather event. The largest cause of outages was due to tree contacts, as winds peaked at 96 km/h in the region.

Outage Summary:

Customers Impacted: 9,865

Customer hours of interruption: 69,045

Full Restoration*: 56.69 Hours

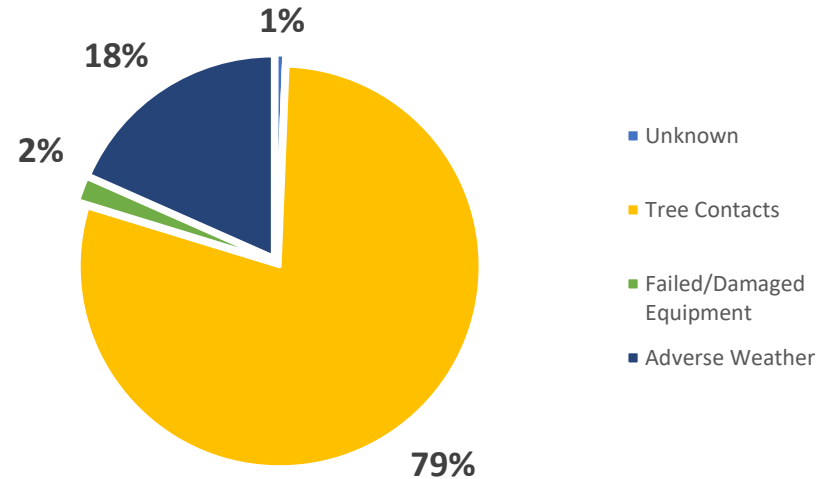
*elapsed time from first outage event to restoration of last event

Customers Restored within X hours of Storm Onset

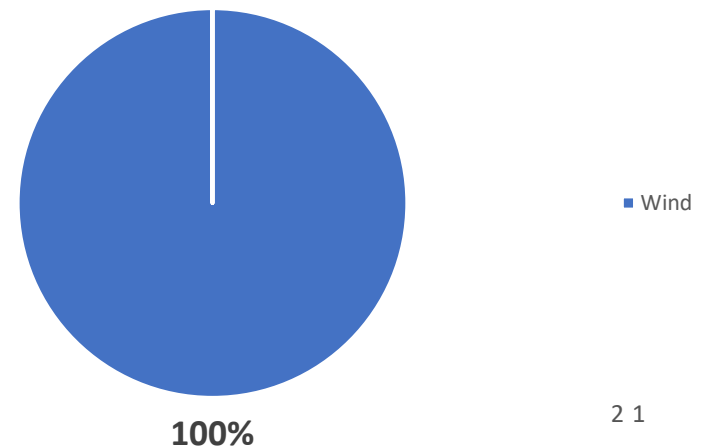
CB West	%
Within 6 Hrs	32.92%
Within 12 Hrs	47.48%
Within 24 Hrs	79.27%
Within 48 Hrs	99.97%

This table represents the percentage of customers restored within 6, 12, 24, or 48 hours of the start of the storm, rather than the start of their individual outage. Average restoration time for this region was 14.4 hours.

Cause of Outages (CHI)



Adverse Weather Cause of Outage (CHI)



SECTION 4: ZONE IMPACT SUMMARY – CAPE BRETON WEST TOP TWO EVENTS BY DURATION & CUSTOMER IMPACT

Duration

Zone	Date/ Time	Weather Station	Direction (Degrees)	Wind (km/h)	Max Wind Gusts (km/h)	Temp (°C)	Cause	Sub-Cause	Description	Customer s Impacted	Duration (Hours)
Cape Breton West	12/19/2025 21:18	Gr. Étang	160	57	93	13	Tree Contacts	Falling Trees	High winds caused a tree to contact the primary line, opening the fuse.	1	42.13
Cape Breton West	12/20/2025 0:37	Gr. Étang	160	50	93	14	Adverse Weather	Wind	High winds caused a tree to contact the primary line, opening the fuse.	1	38.12

Customer Impact

Zone	Date/ Time	Weather Station	Direction (Degrees)	Wind (km/h)	Max Wind Gusts (km/h)	Temp (°C)	Cause	Sub-Cause	Description	Customer s Impacted	Duration (Hours)
Cape Breton West	12/20/2025 0:15	Gr. Étang	160	50	93	14	Tree Contacts	Falling Trees	Strong winds caused trees to contact the primary lines, opening the recloser.	1,573	19.1
Cape Breton West	12/19/2025 15:56	Gr. Étang	160	31	50	12	Failed/ Damaged Equipment	Mechanical Failure	High winds and heavy rain led to a tie wire failing, causing the recloser to operate.	1,509	0.61



SECTION 4: ZONE IMPACT SUMMARY – CAPE BRETON EAST

This region was impacted by high winds and heavy rain during the weather event. Winds were above warning levels reaching 91 km/h during the event. Trees contacting power lines was the largest cause of outages in this region.

Outage Summary:

Customers Impacted: 22,770

Customer hours of interruption: 253,180

Full Restoration*: 66.18 Hours

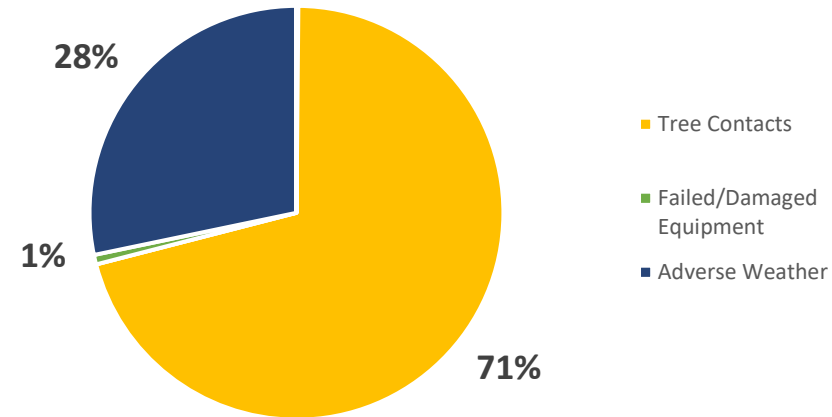
*elapsed time from first outage event to restoration of last event

Customers Restored within X hours of Storm Onset

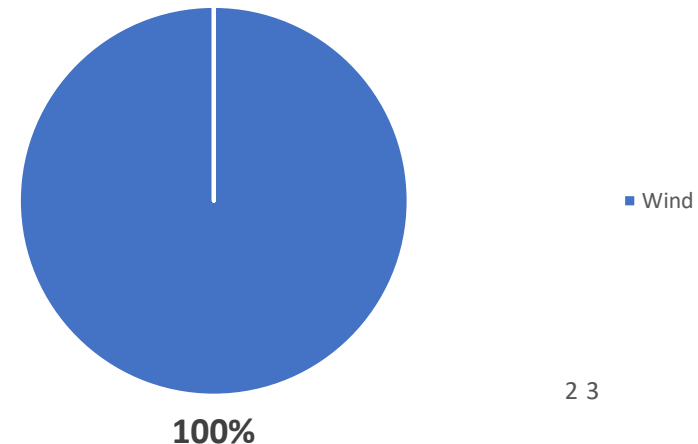
CB East	%
Within 6 Hrs	0.01%
Within 12 Hrs	4.77%
Within 24 Hrs	58.72%
Within 48 Hrs	98.16%

This table represents the percentage of customers restored within 6, 12, 24, or 48 hours of the start of the storm, rather than the start of their individual outage. Average restoration time for this region was 19.87 hours.

Cause of Outages (CHI)



Adverse Weather Cause of Outage (CHI)



SECTION 4: ZONE IMPACT SUMMARY – CAPE BRETON EAST TOP TWO EVENTS BY DURATION & CUSTOMER IMPACT

Duration

Zone	Date/ Time	Weather Station	Direction (Degrees)	Wind (km/h)	Max Wind Gusts (km/h)	Temp (°C)	Cause	Sub-Cause	Description	Customers Impacted	Duration (Hours)
Cape Breton East	12/19/2025 21:27	Sydney	190	48	70	11	Adverse Weather	Wind	High winds and heavy rain caused the customer's service connection to fail.	1	61.19
Cape Breton East	12/20/2025 9:30	Sydney	240	33	91	6	Tree Contacts	Falling Trees	High winds caused a tree to fall on the customer's service line.	1	49.11

Customer Impact

Zone	Date/ Time	Weather Station	Direction (Degrees)	Wind (km/h)	Max Wind Gusts (km/h)	Temp (°C)	Cause	Sub-Cause	Description	Customers Impacted	Duration (Hours)
Cape Breton East	12/20/2025 2:34	Sydney	180	56	91	11	Tree Contacts	Falling Trees	High winds caused a tree to fall on the primary line, opening the recloser.	2,195	6.91
Cape Breton East	12/19/2025 21:26	Sydney	190	48	70	11	Tree Contacts	Falling Trees	Strong winds caused trees to contact the primary lines, opening the recloser.	1,670	15.02

SECTION 5: COMPARISON TO SIMILAR OUTAGE EVENTS

- The 2018 storm brought stronger peak winds than the 2025 event, but both produced significant tree and line damage across the province.
- Both storms began with above freezing temperatures, though 2018 included snow, ice pellets, and freezing rain, while 2025 brought upwards of 40 mm of heavy rain that tapered off before temperatures fell below freezing.
- During the December 19–20, 2025 storm, crews worked through broken poles, downed trees, and prolonged poor visibility, with peak winds occurring overnight; these conditions required periodic safety stand downs and led to slower travel and access to damaged sites.

Event	December 19-20 2025	January 4-5 2018
Customers Interrupted	268,354	412,793
Customer Hours of Interruption	2,112,088	2,094,094
Customers Restored in 48hrs	98.93	99.88
Field Resources Available	>600	>440
Peak Winds	115 km/h	150 km/h

SECTION 6: LESSONS LEARNED

- Prediction model – Actual high wind durations exceed forecasts provided to NSP, resulting in more outages than anticipated.
- Transmission crews were staged near possible transmission events to allow for quick response. With helicopter inspections unable to take place during poor weather, NS Power relies heavily on all-terrain vehicle patrols and foot patrols during these situations until it is safe to fly.
- Overnight Damage Assessment crews were used to identify high priority work for crews the following morning. This work was very useful for restoration and will be considered for following events as the weather is cleared and they can patrol main feeders.

CEA DEFINITIONS

CI = Customer Interruptions

Total number of customers without power

CHI = Customer Hours of Interruption

Combination of customers and duration

SAIFI = Average Outage Frequency

Customer interruptions / # of customers

SAIDI = Average Outage Duration

Customer hours of interruption / # of customers

CAIDI = Average Outage Duration (for those interrupted)

Customer hours of interruption / # of customer interruptions

Unknown/other

Interruptions with no apparent cause or reason identified that could have contributed to the outage

Scheduled outage

Interruptions due to the planned disconnection for construction or maintenance purposes

Loss of supply

Interruptions due to problem in the bulk electricity system (transmission)

Tree contacts

Interruptions caused by trees or tree limbs contacting energized circuits

Lightning

Interruptions due to lightning strike on energized circuits

Defective equipment

Interruptions resulting from equipment failures

Adverse weather

Interruptions resulting from weather conditions (e.g. Rain, ice storms, snow, winds, extreme ambient temperatures, freezing fog, or frost)

Adverse environment

Interruptions due to equipment being subjected to abnormal environmental conditions (e.g. Salt spray, contamination, humidity, corrosion, vibration, fire, or flooding)

Human element

Interruptions due to errors of utility staff in construction, maintenance, or operations

Foreign interference

Interruptions due to external contacts beyond the control of the utility (e.g. Birds, animals, vehicles, dig-ins, or other foreign objects)