Service Reliability Filing
For 2025 System Performance

(Case 26-E-0017)

Executive Summary

This Report constitutes Orange and Rockland Utilities, Inc.'s ("O&R", or "the Company") Service Reliability Filing for its 2025 electric system performance. The Company outperformed its reliability targets for 2025, as established by the New York Public Service Commission ("NYPSC" or the "Commission"). The Company's overall 2025 System Average Interruption Frequency Index ("SAIFI") performance of 1.10 was 8.3% better than the established target of 1.20. The Company's 2025 Customer Average Interruption Duration Index ("CAIDI") performance of 99.0 minutes was 10.8% better than the established target of 111 minutes. During 2025, the Company experienced 10 excludable weather events, two affecting all operating divisions and the other eight affecting one or several divisions at once.

Weather played a significant role in the performance of the transmission and distribution ("T&D") system in 2025. The Company's 2025 SAIFI was better than the established target, though somewhat higher than the 2024 performance level (*see* Figure 2.3.12 – 20-Year SAIFI Trend, below).

The performance of CAIDI improved from levels in 2024 and was within the established target that made it the second-best performance in the last five years (*see* Figure 2.3.13 – 20-Year CAIDI Trend, below). It represented a three-minute improvement with respect to the Company's 2024 performance level – translating to an overall reduction in the average length of interruptions experienced by O&R's customers.

The Company's System Average Interruption Duration Index ("SAIDI") increased by 2.4 minutes to 109.2, making it the second highest in the last five-years and above the 20-year average of 108.0 (see Figure 2.3.14 – 20-Year SAIDI Trend, below). Although New York State does not recognize SAIDI as a performance metric, the Company continues to use it as an internal indicator of its reliability. The Company will continue to implement its portfolio of reliability programs and projects to maintain and improve its reliability performance.

Table of Contents

Acronyms and Abbreviations

Acronym	Definition
AAAC	All aluminum alloy conductor
AAC	All aluminum conductor
ACS	Aerial Cable System
ACSR	Aluminum conductor, steel reinforced
ALT	Alternate key
ADMS	Advanced Distribution Management System
ANSI	American National Standards Institute
CAIDI	Customer average interruption duration index
CR	County Road
CT	Current transformer
Cu	Copper
DA	Distribution automation
DC	Direct current
DCC	Distribution Control Center
DLRO	Digital low resistance ohmmeter
DPW	Department of Public Works
DSCADA	Distribution supervisory control and data acquisition
EHV	Extra high voltage
EIMS	Electric Information Management System
EPR	Ethylene propylene rubber
GOAB	Ground or Group Operated Air-Break
HMWPE	High molecular weight polyethylene
HP	Horsepower
IR	Infrared
LATE	Lightning, animal, tree, equipment failure
LTC	Load tap changer
MAD	Minimum approach distance
MAIFI	Momentary average interruption frequency index
MOAB	Motor Operated Air-Break
MVA	Mega-volt ampere (transformer sizing)
MVC	Motor vehicle collision (outages causes)
MW	Megawatt
NY or NYS	New York State
NYISO	New York Independent System Operator
NYPSC	New York Public Service Commission
OCB	Oil circuit breaker

Acronym	Definition
OH	Overhead
OMS	Outage Management System
PQ	Power quality
RFI	Radio frequency interference
ROW	Right-of-way
RT	Route
SAIDI	System average interruption duration index
SAIFI	System average interruption frequency index
SCADA	Supervisory control and data acquisition
SIS	Substation Information System
TBWP	Triple braided weatherproof conductor
TIMS	Transmission inspection and maintenance system
TLM	Transmission line maintenance
TRES	Trim evaluation and report system
TTR	Transformer turns ratio
UG	Underground
URD	Underground residential distribution
US	United States
VM	Vegetation management
kV	kilovolt
WMS	Work management system
WO	Work order
WPC	Worst performing circuit
XLPE	Cross-linked polyethylene

1. OVERVIEW

1.1 Geographic Territory

O&R's New York service territory, set forth in the map below, comprises three distinct geographic areas. For reliability reporting purposes, the Company divides these areas into three separate operating divisions: Eastern Division, Central Division, and Western Division. The Eastern Division includes all of Rockland County. The Central Division encompasses the southern portion of Orange County, while the Western Division encompasses the northwestern portion of Orange County, as well as a section of southern Sullivan County. Individual towns served within each of the operating divisions are listed in the table on the following page.

	Square Miles Per Division		
	Square Miles	***Percent of State***[1]	***Percent of Company***
Eastern	195	17.9	15.0
Central	376	34.4	29.0
Western	521	47.7	40.1
Total	1,092	100.0	84.1

Major Tax Districts (By Division and County)			
Eastern (Rockland)	***Central (Orange)***	***Western (Orange)***	***Western (Sullivan)***
Clarkstown	Blooming Grove	Crawford	Forestburgh
Haverstraw	Chester	Deerpark	Lumberland
Orangetown	Goshen	Greenville	Mamakating
Ramapo	Highlands	Middletown	
Stony Point	Monroe	Minisink	
	Tuxedo	Mount Hope	
	Warwick	Port Jervis	
		Wallkill	
		Wawayanda	

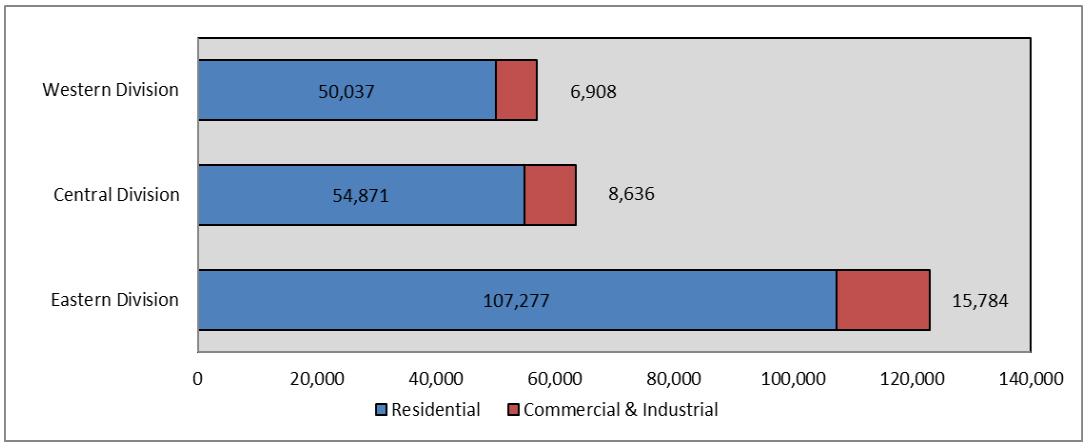
1.2 Customers Served

Shown below are the 2025 customers served totals for both residential and commercial/industrial ("C&I") rate codes all with corresponding percentages, as of December 31, 2025.

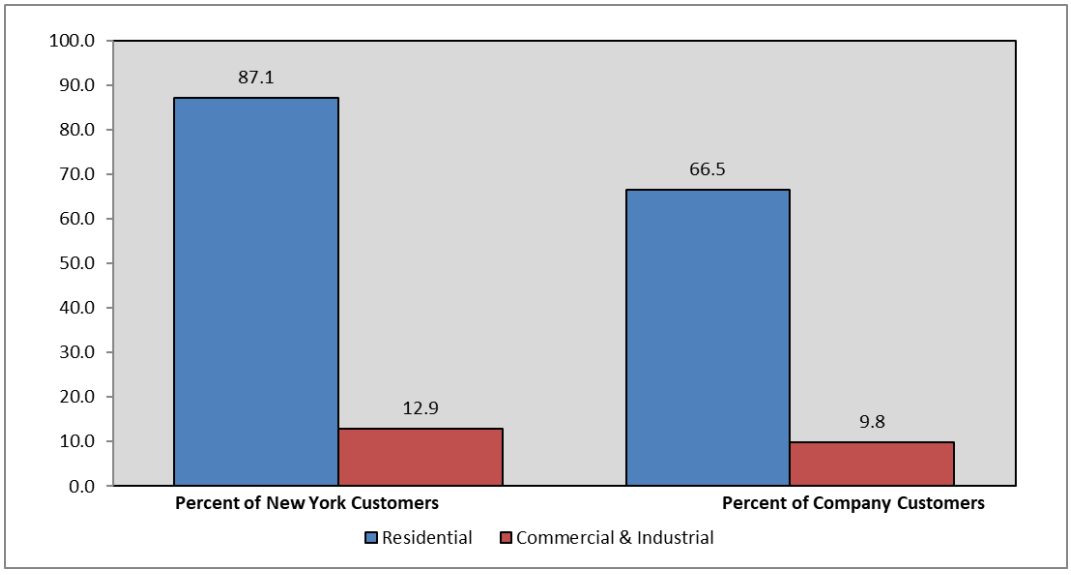
	Residential			Commercial & Industrial			All Customers		
	Customers	**Percent of State**	**Percent of Company**	**Customers**	**Percent of State**	**Percent of Company**	**Customers**	**Percent of State**	**Percent of Company**
Eastern Division	107,277	44.1	33.6	15,784	6.5	4.9	123,061	50.5	38.6
Central Division	54,871	22.4	17.1	8,636	3.5	2.7	63,507	26.1	19.9
Western Division	50,037	20.5	15.8	6,908	2.8	2.2	56,945	23.4	17.8
Total	212,185	87.1	66.5	31,328	12.9	9.8	243,513	100.0	76.3
Total Company	278,743			40,277			319,020		

[1] "Percent of State" refers solely to O&R's service territory in New York State; "Percent of Company" refers to the entire Orange and Rockland system (*i.e.*, O&R and its New Jersey utility subsidiary, Rockland Electric Company).

Customers Served by Division



Percent Customers Served



1.3 Field Personnel 10-Year Staffing Levels

	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Electric Operations										
31 - Management & Staff	0	0	0	0	0	0	0	0	0	0
33 - Eastern Line Operations	51	65	62	68	68	66	74	62	73	70
34 - Central Line Operations	27	27	23	24	21	20	21	21	22	21
35 - Western Line Operations	23	20	20	20	20	21	20	22	21	21
38 - Joint Use Facilities	1	1	1	1	1	1	1	1	1	1
51 - Trouble Shooters – East	9	10	10	10	9	6	6	6	7	8
62 - Trans Dist. Maintenance	0	0	0	0	0	0	0	0	0	0
64 - EHV Line Operations	9	9	9	8	8	9	7	9	8	9
76 - Eastern Underground	26	25	27	24	24	24	24	23	20	28
77 - Central & Western Underground	16	16	12	15	15	16	16	20	18	15
79 - Operations Flagperson	0	0	0	5	5	9	11	9	9	9
80 - Trouble Shooters – North	8	8	7	8	8	8	7	8	8	8
Total Electric Operations	170	181	171	183	179	180	187	181	187	190
Contractor Linemen	45	43[2]	36	38	35	35	32	30	30	30
Substation Operations										
93 - Eastern	19	20	19	20	18	18	18	17	14	19
94 - Central & Western	12	11	12	12	13	13	12	11	11	11
96 - Relay	8	13	12	14	14	13	15	13	13	15
Total Substation Ops	39	44	43	46	45	44	45	41	38	45
Tree Contractors										
Distribution Crews/Workers	35/76	23/45	25/52	23/46	26/52	28/58	20/40	26/52	30/60	32/64
Capital Projects Crews/Workers	10/25	8/18	10/22	10/22	8/16	8/16	8/16	8/16	6/12	6/12
Transmission Crews/Workers	7/68	6/45	5/30	4/18	4/24	4/24	4/24	2/20	2/20	2/20

1.4 Definitions – General

Customers Served These customers include residential and C&I customers within the O&R electric service territory. Excluded from these are all Street Lighting customers (Municipal Street Lighting, Traffic Lights, all Dusk to Dawn Lighting), and all sales to other utilities.

Interruption (Sustained) An interruption is the loss of service for five minutes or more to one or more customers.

Momentary Interruption The brief loss of power delivery caused by the opening and closing operation of an interrupting device, in most cases to clear a fault. These interruptions are typically 15 to 30 seconds in duration and may occur multiple times while clearing a fault on a distribution circuit. Multiple operations for a single event are counted only once. Momentary Interruptions that result in a sustained interruption are not included.

Customers Affected Represents the total number of customers affected as a result of an interruption.

Customer - Hours of Interruption Represents the total customer-hours of interruption, which is calculated by multiplying the total customers affected during an interruption by the duration (*i.e.*, hours) of the interruption. Hours of interruption are subject to rounding differences.

O/H Distribution (O/H Dist.) Represents interruptions caused by incidents occurring on the overhead distribution system.

U/G Distribution (U/G Dist.) Represents interruptions caused by incidents occurring on the underground distribution system.

Transmission/Substation (Trans/Sub) Represents interruptions caused by incidents occurring on the transmission system or in a substation.

Storm A period of adverse weather during which interruptions either (a) affect at least 10 percent of the customers served in an operating area; (b) results in customers being without electric service for a duration of at least 24 hours; or (c) both.

1.5 Definitions – Cause of Outages

Interruptions are classified by the cause of the interruption and include the following ten categories:

Animal Contact	Interruptions caused by an animal, such as a squirrel, bird, snake or raccoon, coming in contact with electrical equipment.
Customer's Equipment	Interruptions resulting from the failure of customer-owned equipment.
Equipment Failure	Interruptions caused by the breakdown or failure of Company-owned equipment.
Lightning	Interruptions caused by lightning.
Non-Company Accident	Interruptions caused by an event outside of the control of the Company, such as a motor vehicle collision or an act of vandalism.
Overload	Interruptions caused when the electrical load on a utility device or conductor exceeds its rated capacity.
Prearranged	Interruptions caused by actions deliberately taken by the Company with advance notice to the customer(s) affected such as scheduled pre-arranged outages for voltage conversions.
Tree-contact	Interruptions caused by a tree or tree limb coming in contact with electrical equipment.
Unknown/Other	Interruptions for which no cause can be found, or for which none of the other classifications are appropriate.
Work Error	Interruptions caused by Company or Company contract personnel, such as Company-hired tree trimmers.

1.6 Definitions – Reliability Indices

Frequency (SAIFI)[2] Represents the number of times an average customer is affected by an interruption. It is calculated by dividing the total customers affected by the customers served within a specific territory.

Restoration (CAIDI)[3] Represents the time in minutes (hours) it takes to restore electric service to an average customer that is affected by an interruption. It is calculated by dividing the customer minutes (hours) of interruption by the customers affected.

Duration (SAIDI)[4] Represents the time in minutes (hours) that an average customer is without electric service over a specific period of time. It is calculated by dividing the customer minutes (hours) of interruption over a specified period of time by the customers served over the same period of time. For that same defined period of time, this performance ratio can be calculated by the formula SAIFI * CAIDI.

Momentary Interruption Frequency ($MAIFI_e$)[5] Represents the number of times an average customer is affected by a momentary interruption. It is calculated as the result of the total customers affected by all momentary interruptions by the customers served within a specific territory. In this Report, a momentary interruption is the number of events where a customer is momentarily interrupted by substation breaker operation.

[2] SAIFI is the System Average Interruption Frequency Index.
[3] CAIDI is the Customer Average Interruption Duration Index.
[4] SAIDI is the System Average Interruption Duration Index.
[5] $MAIFI_e$ is the Momentary Average Interruption Frequency Index, for an Event.

2. 2025 CORPORATE PERFORMANCE

2.1 Summary of Performance

The Company's 2025 New York SAIFI performance of 1.10 underperformed the previous five-year average of 1.03. Much of the SAIFI performance for the year was driven by extreme weather conditions that lasted for short time frames while affecting all operating regions.

The Company's 2025 CAIDI performance of 99 minutes was the second lowest in the past 10 years. O&R's 2025 CAIDI was better than the previous five-year average of 100.6 minutes and was within the Commission's goal of 111 minutes.

The challenges faced by the Company during excludable weather events were the same in 2025 as 2024. The Company experienced 10 weather events that qualified for exclusion from the reliability indices in 2025. Two events impacted all three operating divisions, two events affected a combination of two different regions, and the remaining six events affected single regions, with the Western Division experiencing four of the single-region events.

Comparison of Tree Contact Outages on High Wind Days (40+ mph) in 2024 and 2025 Vs. 20-Year Daily Tree Outage Averages			
	20-Year Average	**2024 High Wind Days**	**2025 High Wind Days**
Number of tree interruptions per day	2.62	9.50	9.35
Number of days wind gusts exceeded 40 mph	17	36	51
Number of customers affected by tree contact per interruption	84	63	75
Number of customers affected per day by tree contacts	220	600	698
Note: All factors above exclude major storm data			

Table 2.1.1

The Company's performance on the distribution system during inclement weather days was the same in 2025 as 2024. Rainfall and snow across the O&R service territory was a driver in performance in 2025. At slightly more than 46" of precipitation, this year's precipitation was slightly below the five-year average in the O&R service territory. May 2025 was the wettest month with more than 7" of rain, and January 2025 was the driest month with 0.47" of precipitation.

High-wind conditions, defined as days with peak wind gusts exceeding 40 mph, were a significant driver of tree-contact outages in 2025. This is evidenced by a 42% increase in the number of high-wind days, a 19% increase in the number of customers affected per tree-contact interruption, and a 16% increase in the number of customers affected per day, as compared to 2024 (see Table 2.1.1).

Vegetation growth continued to be a contributing factor to tree-contact outages due to elevated precipitation levels. The third highest recorded rainfall during the growing season in the past five years, combined with an increase in high-wind days, resulted in more vegetation contact with conductors and a corresponding increase in tree-contact interruptions per day. Compared to 2024, both the number of customers affected per tree-contact interruption and the total number of customers affected by tree-contact outages increased in 2025.

Customer low voltage, flickering lights, and frequent outage complaints (often associated with protection device trip and reclose activity on the distribution system) improved by 19.6% from 2024. Even with the improvement, the trip and reclose activity was above the five-year average.

The Company's overall year-end reliability performance was within the Company's standards, similar to the performance in 2024, and consistent with the previous five-year average performance from 2020 to 2024. As shown in the graphs below, the number of days with more than 5,000 customers affected decreased by one and the number of days with more than 10,000 customer-hours of interruption decreased by five in comparison to 2024. The number of days with both more than 5,000 customers affected and days greater than 10,000 customer-hours of interruptions decreased by four in 2025. The Company's continued implementation of its distribution automation program and ongoing storm hardening investments helped mitigate the number of customers affected and the number of customers-hours of interruption.

As noted in Figure 2.1.1 below, there were 11 days in 2025 when more than 5,000 customers were affected by an interruption, an improvement from 12 days in 2024. The elevated numbers of customers affected on those days were the result of six excludable weather events, three non-excludable weather events, and two transmission events. On the three non-excludable events, the territory experienced wind gusts of 48 mph and a combined precipitation of 1.18 inches, and the two transmission events experienced wind gusts of 35 and 55 mph, respectively.

As noted in Figure 2.1.2 below, there were 10 days in 2025 with more than 10,000 customer-hours of interruption for the day. Of these, seven days occurred during excludable weather events, two during non-excludable weather events, and one during a transmission event. The two non-excludable events and the transmission event saw high wind gusts of 39 mph, 55 mph, and 55 mph, respectively.

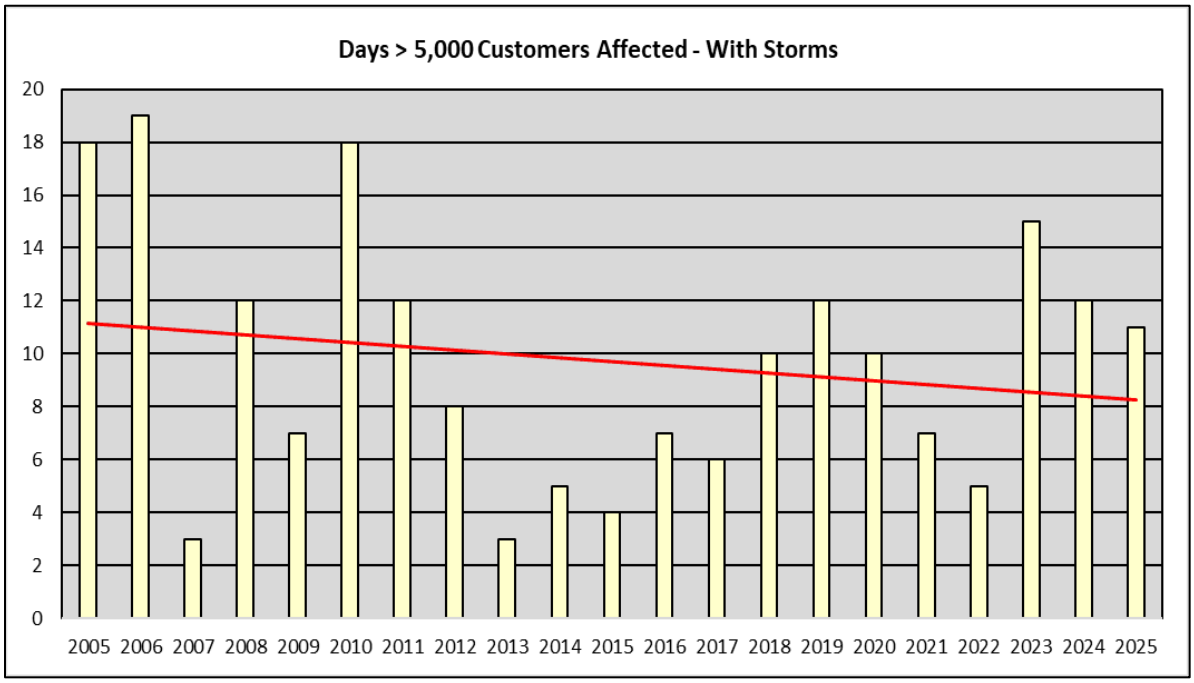


Figure 2.1.1

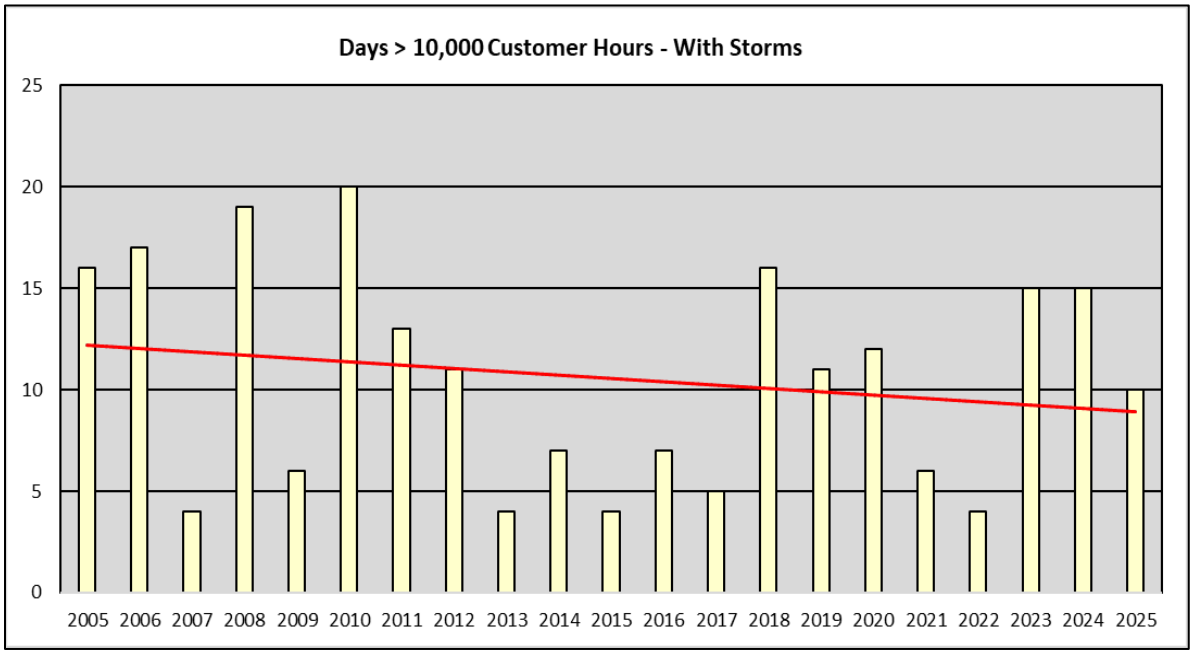


Figure 2.1.2

The increase in SAIFI from 2024 to 2025 (from 1.05 to 1.10) was due to a year-over-year increase of 15,781 customers affected. Half of the interruption categories saw an increase in the number of

customers affected as compared to 2024. Tree-contact and equipment failure outages accounted for 63.5% of all customers affected, which is our third highest level in six years.

Tree-contact outages accounted for 38% of all customers affected in 2025, an increase of 1% from 2024 . The number of customers affected by a tree-contact outage increased 9% from 2024, which resulted in more than 100,000 affected customers, a level last seen in 2021. This increase is also seen in the table below with the number of vegetation caused interruptions of 1,327 in 2025 an increase of 9% from the previous year as it continues an upward trend.

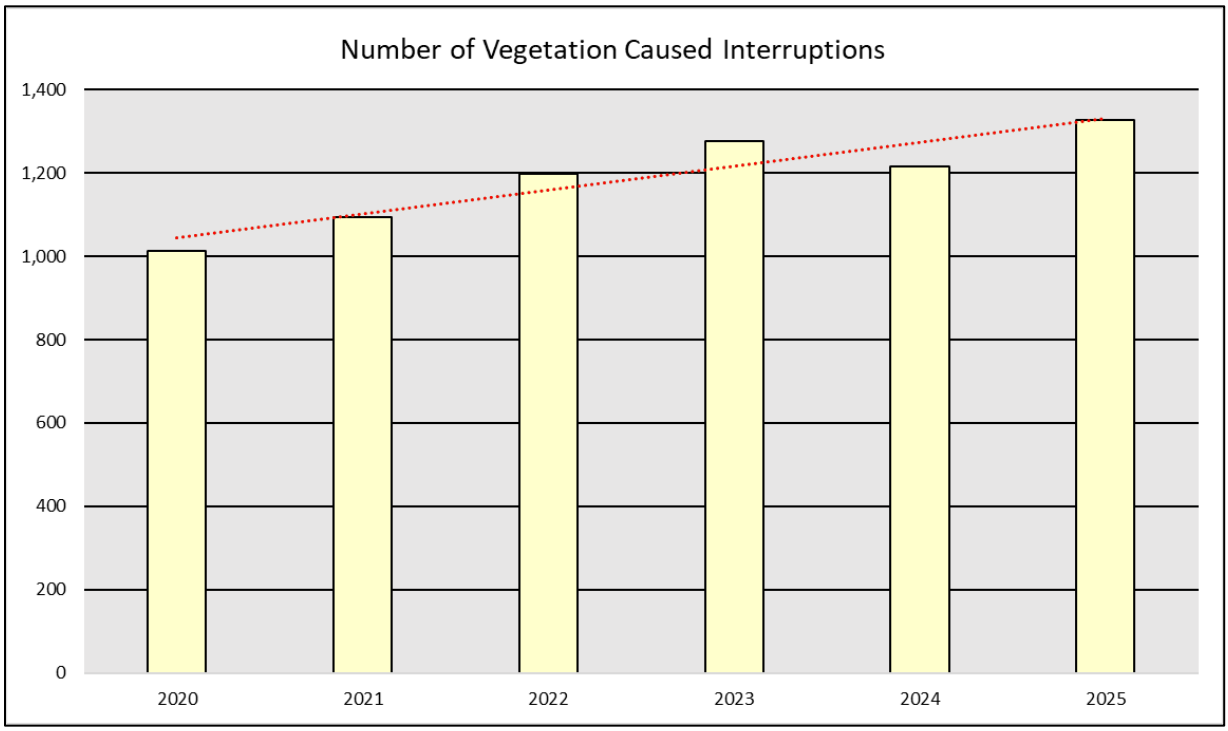


Figure 2.1.3 – Vegetation Caused Outages – 2020 - 2025

The improvement in CAIDI from 101.9 in 2024 to 99 in 2025 can be attributed to the increased deployment of automated isolating devices, such as remote operated switches that reduce the number and length of customers interrupted by the Company's distribution system. Overall, the total number of customer-hours of interruption is consistent with historical norms.

There were 77 days when more than 1,000 customers were affected in a single day (excluding weather events data), compared to 79 days in 2024. The number of customers affected per interruption in 2025 was 62, which is equal to the previous five-year average of 62 customers affected per interruption.

In 2025, both the number of customers affected and the number of customer-hours of interruption increased from 2024 levels. Inclement weather played a major role in the performance of the

electric distribution system in 2024 and 2025. The number of inclement weather days[6] in 2025 increased 11% compared to 2024, rising from 123 to 137 days. Despite this increase, the total remains below the 20-year average of 178 days. The number of interruptions/inclement days and the number of customers affected/interruptions (which would also drive customer-hours) on inclement weather days increase above the 20-year averages.

At 23 days, the number of high-volume days (defined as days when more than 24 interruptions occur) was the highest in the last 20 years. The number of customers affected on high-volume days was 54,613, or about 20% of all customers affected during the year. This was above the 20-year average of 18%, which has been consistent over the past few years. There were 116 days during which the maximum sustained winds exceeded 30 mph in 2025 versus 99 such days in 2024. The 2025 numbers were the highest compared to the past 20-years.

The performance ratios for all three Divisions, the total O&R service territory, along with five-year history and five-year average are tabulated and shown in Table 2.3.1 below. Additionally, the overall Company standards maintained by the Commission in Case 24-E-0060 are included.

The SAIFI, CAIDI, and SAIDI trends by Division are shown graphically in Figures 2.3.1, 2.3.2, and 2.3.3 below, respectively. Further discussion of these trends is included in each Division's summary of performance.

Figures 2.3.4, 2.3.5, and 2.3.6 below show the annual performance trends, from 2020 through 2025, for the Company's three Divisions. Figure 2.3.4 shows the number of interruptions that occurred annually due to all causes, excluding major storms. Figure 2.3.5 represents the annual number of customers affected. Figure 2.3.6 shows the annual customer-hours of interruption. Detailed analyses of these trends are provided in the individual Divisions' performance summaries.

Figure 2.3.7 below shows a summary, by cause, of the number of interruptions, customers affected, and the customer-hours of interruption in 2025. The two major causes of interruptions are equipment failure and tree contacts, much like the previous five years. Tree contacts increased from 2024 in all three outage statistics and were all above previous five-year averages. In 2025, these two categories combined accounted for 58% of all interruptions, 64% of customers affected, and 67% of all customer-hours of interruption.

Partial power and single customer interruptions accounted for 22% of all interruptions in 2025, an increase from 2024, when they accounted for 17% of all outages. Many of these interruptions (77%) were the result of tree contact or equipment failure. Of the 4,299 total interruptions reported in

[6] For purposes of this Report, inclement weather days are defined as those days in which traceable precipitation is observed and recorded by the US Geological Survey National Water Information System rain gauge on the Mahwah River in Suffern, NY

2025, 196 were partial power conditions resulting from equipment failure or tree contact (as compared to 224 in 2024). Likewise, 521 out of the 4,299 interruptions in 2025 involved a single customer interruption resulting from tree contact or an equipment failure.

Tables 2.3.2, 2.3.3, and 2.34 below show a summary of the equipment failures in 2025 compared to the previous five years for the entire O&R service territory (excluding major storms). In 2025, for interruptions caused by equipment failure, overhead equipment was responsible for 73% of the interruptions (up from 72% in 2024), 79% of the customers affected (up from 74% in 2024), and 62% of the customer-hours of interruption (down from 67% in 2024).

The number of equipment failures occurring in 2025 decreased by 4% as compared to 2024. Failure rates for most hardware components used on the Transmission & Distribution system were within expected levels in 2025. The Company continues to monitor the performance of all equipment to identify trends in any single system component and take mitigating actions, as necessary.

Figures 2.3.8, 2.3.9, and 2.3.10 below show the annual performance trending by major cause from 2020 through 2025, excluding major storms, for the entire O&R service territory. Figure 2.3.8 indicates that interruptions caused by equipment failure and tree contact dominate major causes. The performance trends relating to equipment failure and tree contact remain consistent throughout each Operating Division as well.

Table 2.3.5 below demonstrates the effects of removing non-excludable major outage statistics from these indices for 2025 and the prior five years. A major outage is defined as one event affecting more than 5,000 customers. In 2025, there was one non-excludable major outage on March 23, 2025, that affected 5,364 customers via a sub-transmission circuit lock-out.

In 2025, $MAIFI_e$ was 8.22 for New York customers, based on 243,513 customers served, and a total of 2,002,534 momentary interruptions experienced by customers. This represented a 7% increase in the number of momentary interruptions as compared to 2024. Currently, the Company calculates $MAIFI_e$ based on operations from the substation breaker that supplies the circuit.

The Company's grid modernization, distribution automation, and climate resilience upgrades are intended to reduce the number of outages experienced by the typical customer and will continue to play a role in the Company's overall performance. The success of these programs can be seen in the downward trend in SAIFI (see Figure 2.3.12 below), SAIDI (see figure 2.3.14 below), and the number of customers affected per interruption (see Figure 2.3.15 below) over time. These trends are consistent with the overall 20-year downward trend in these metrics and are consistent with expectations. CAIDI has shown a slight steady rise over the same period. This mixed performance can be attributed, in part, to the inverse relationship between SAIFI and CAIDI over the past 20 years and is also consistent with expectations and with previous years' performance.

With the number of customers affected per interruption in 2025 matching the five-year average and distribution automation averting interruptions for large blocks of customers, there are fewer opportunities to reduce CAIDI by quickly restoring large blocks of customers experiencing an interruption. As a result, CAIDI has been trending slightly upward over the last 20 years, concurrently with the decrease in SAIFI and customers affected per interruption. This trend can be seen in Figure 2.3.13 below.

2.2 Worst Performing Circuit Selection

O&R applies its own methodology, instead of that proposed by the NYPSC, for selecting each Division's Worst Performing Circuits. The methodology and the Circuit Priority Rating list for each Division are outlined in detail in Appendix A of this Report.

O&R has used its own methodology for many years to direct the Company's service reliability improvement programs and establish priorities. The Company maintains that this methodology is a superior indicator of poor performance for its system, and it identifies areas where corrective measures will have the greatest impact on customer service reliability.

2.3 List of New York Figures and Tables - 2025 Company Performance

Tables

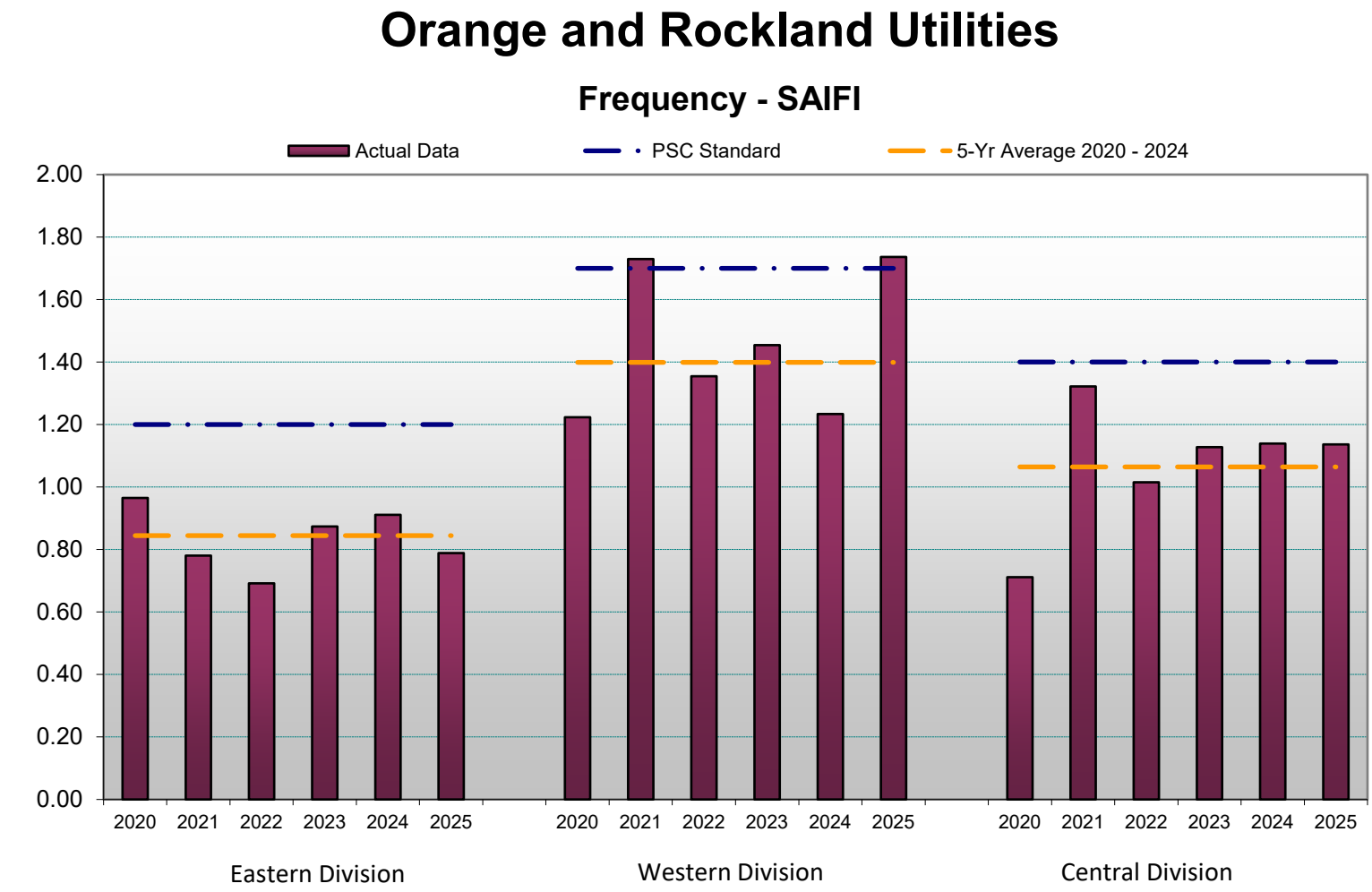
Figures

TABLE 2.3.1 - ELECTRIC PERFORMANCE RATIOS 2020 THROUGH 2025

Electric Performance Ratios 2020 - 2025

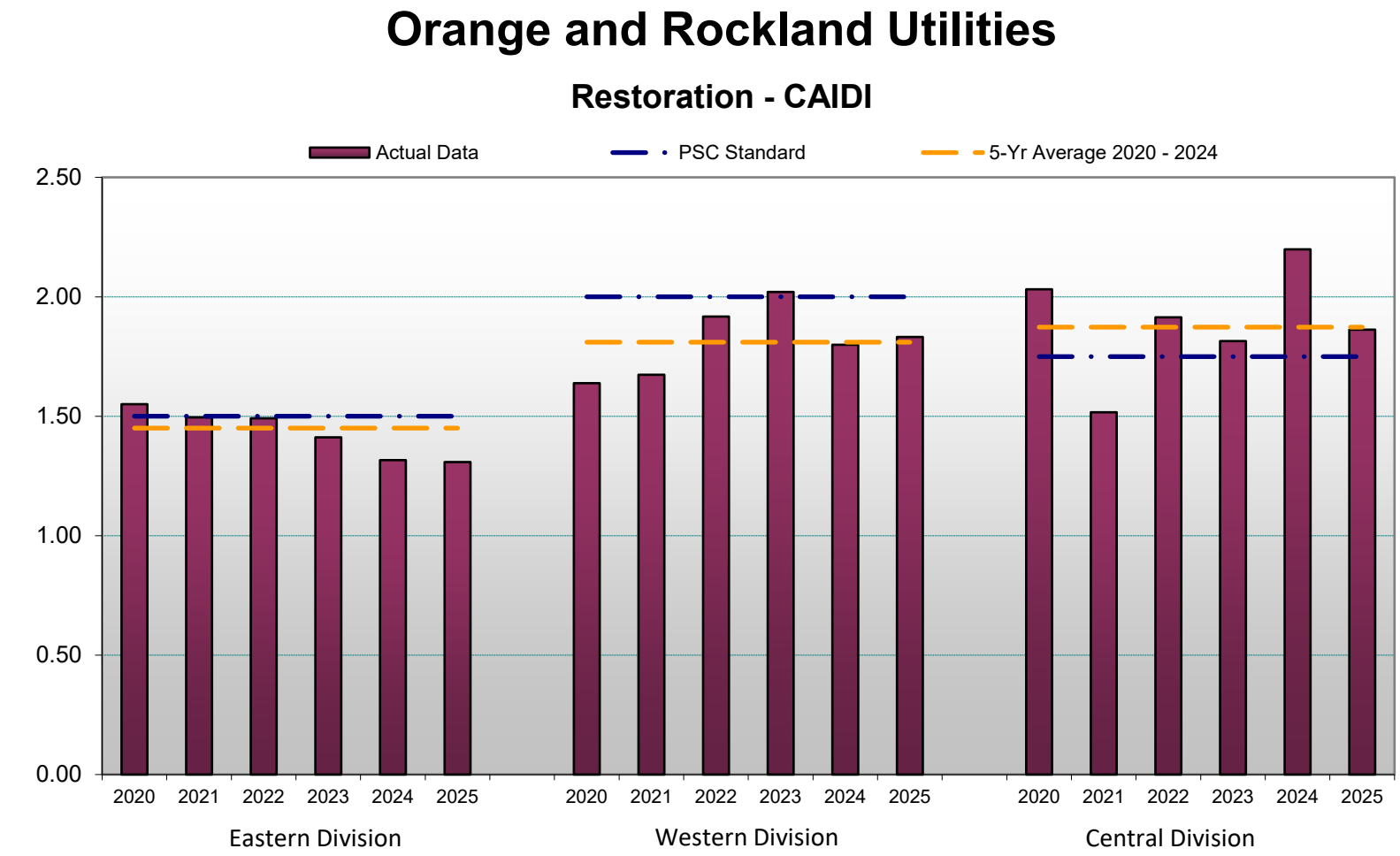
Division	Year	SAIFI - Frequency (Cust Aff / Cust Srvd)	CAIDI - Restoration (Cust - Hrs / Cust Aff)	SAIDI - Duration (Cust - Hrs / Cust Srvd)
Eastern	2020	0.96	1.55	1.50
	2021	0.78	1.50	1.17
	2022	0.69	1.49	1.03
	2023	0.87	1.41	1.23
	2024	0.91	1.32	1.20
5-Yr Average 2020 - 2024		0.84	1.45	1.22
	Standard	1.20	1.50	
	2025	0.79	1.31	1.03
Western	2020	1.22	1.64	2.00
	2021	1.73	1.67	2.89
	2022	1.35	1.92	2.60
	2023	1.45	2.02	2.94
	2024	1.23	1.80	2.22
5-Yr Average 2020 - 2024		1.40	1.81	2.53
	Standard	1.70	2.00	
	2025	1.74	1.83	3.18
Central	2020	0.71	2.03	1.45
	2021	1.32	1.52	2.00
	2022	1.02	1.91	1.94
	2023	1.13	1.81	2.05
	2024	1.14	2.20	2.50
5-Yr Average 2020 - 2024		1.06	1.87	1.99
	Standard	1.40	1.75	
	2025	1.14	1.86	2.12
Company	2020	0.96	1.67	1.60
	2021	1.14	1.57	1.79
	2022	0.93	1.76	1.64
	2023	1.08	1.71	1.85
	2024	1.05	1.70	1.78
5-Yr Average 2020 - 2024		1.03	1.68	1.73
	Standard	1.20	1.85	
	2025	1.10	1.65	1.82

FIGURE 2.3.1 – FREQUENCY - SAIFI



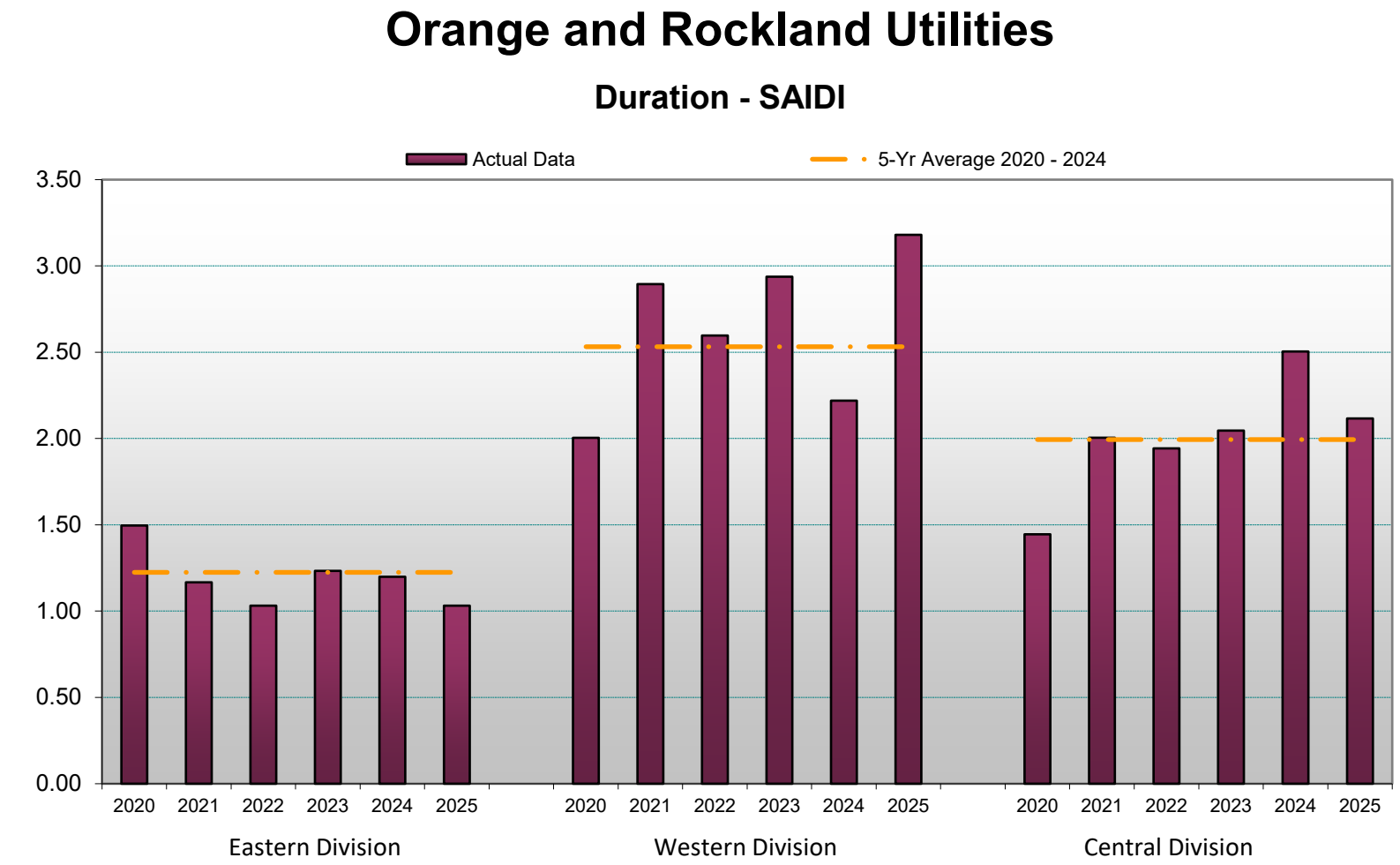
Includes Partial Powers, Single No Lights
Excludes Storm Activity

FIGURE 2.3.2 – RESTORATION - CAIDI



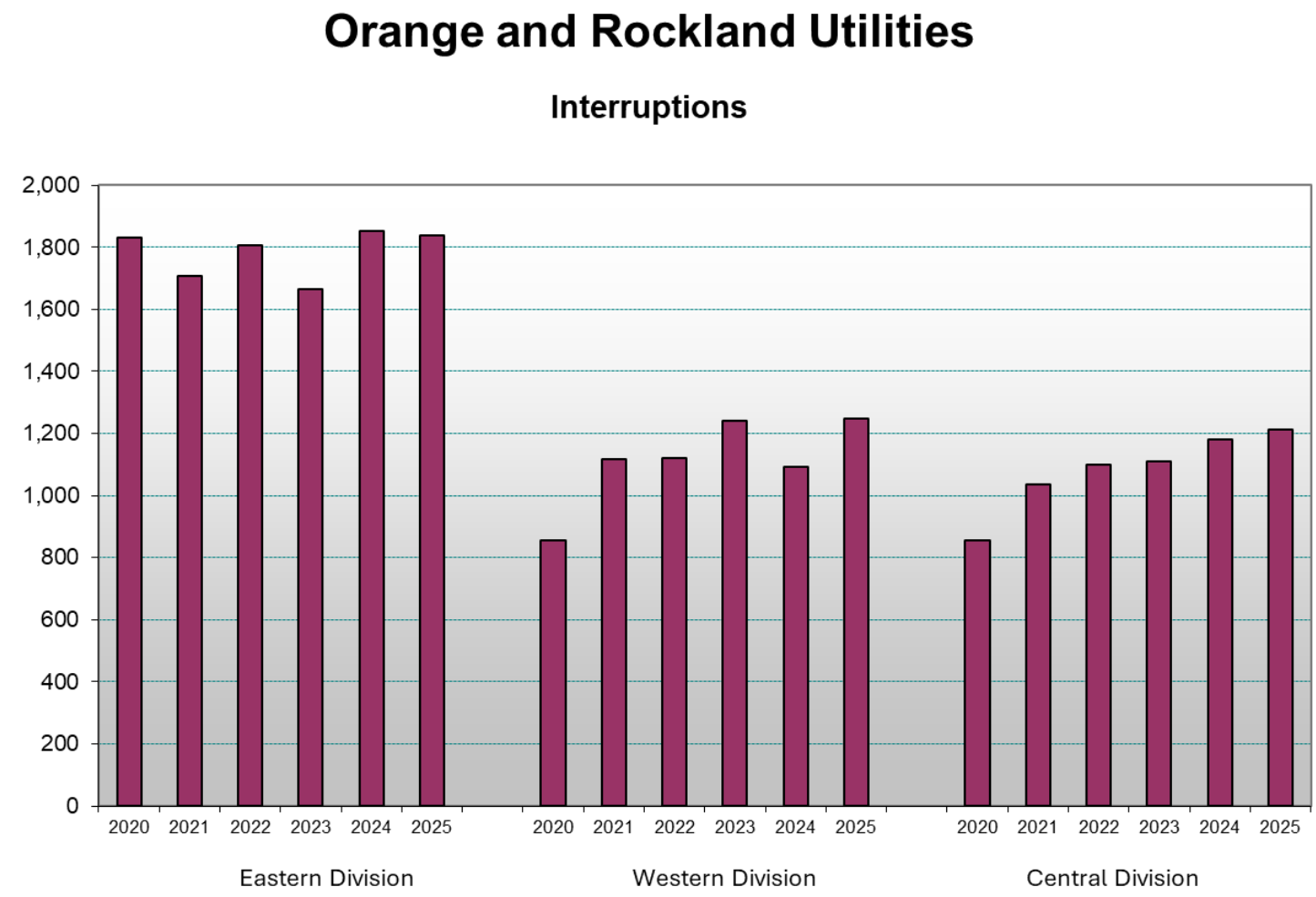
Includes Partial Powers, Single No Lights
Excludes Storm Activity

FIGURE 2.3.3 – DURATION - SAIDI



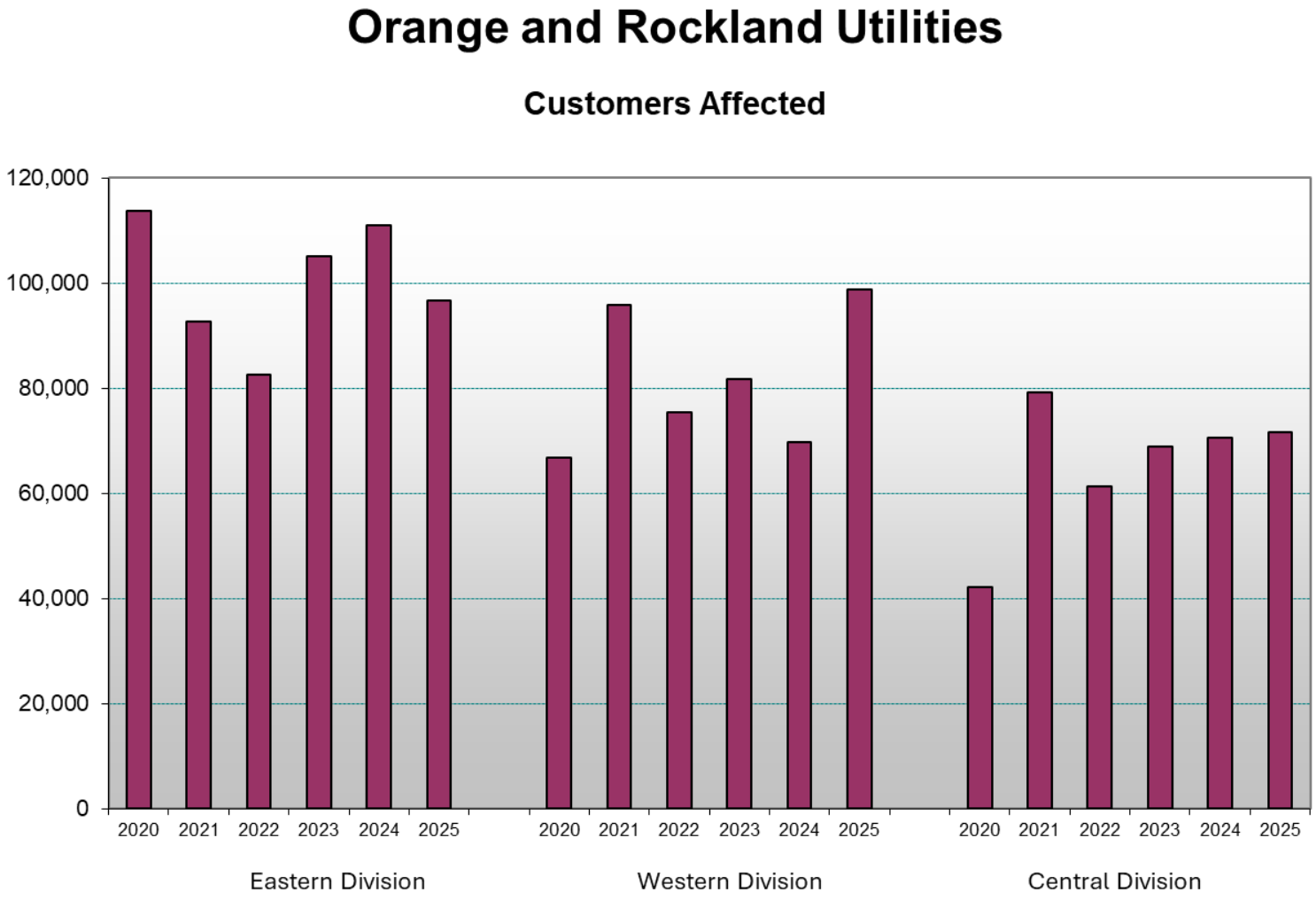
Includes Partial Powers, Single No Lights
Excludes Storm Activity

FIGURE 2.3.4 – INTERRUPTIONS



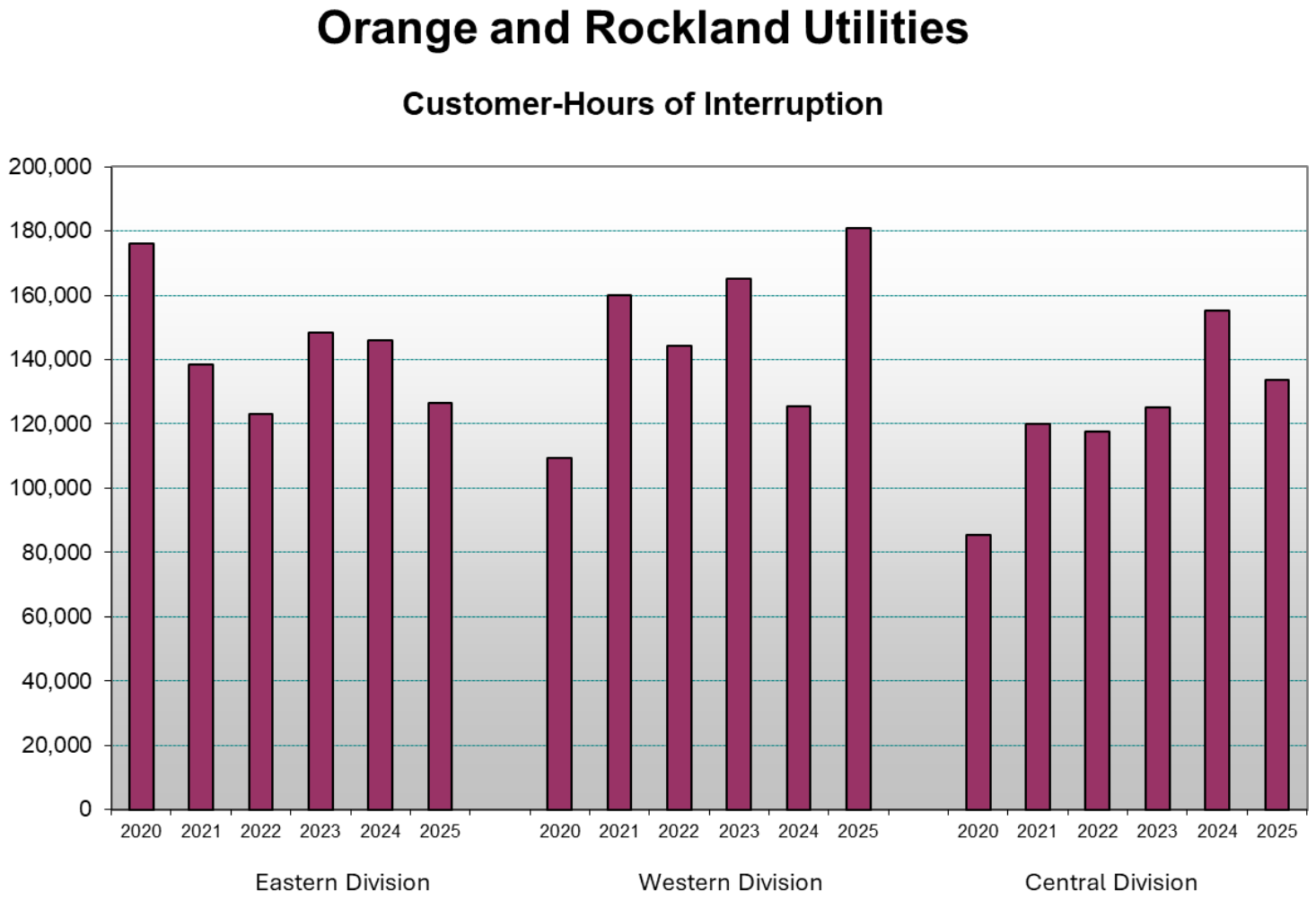
Includes Partial Powers, Single No Lights
Excludes Storm Activity

FIGURE 2.3.5 – CUSTOMERS AFFECTED



Includes Partial Powers, Single No Lights
Excludes Storm Activity

FIGURE 2.3.6 – CUSTOMER-HOURS OF INTERRUPTION



Includes Partial Powers, Single No Lights
Excludes Storm Activity

FIGURE 2.3.7 – OUTAGE STATISTICS BY CAUSE

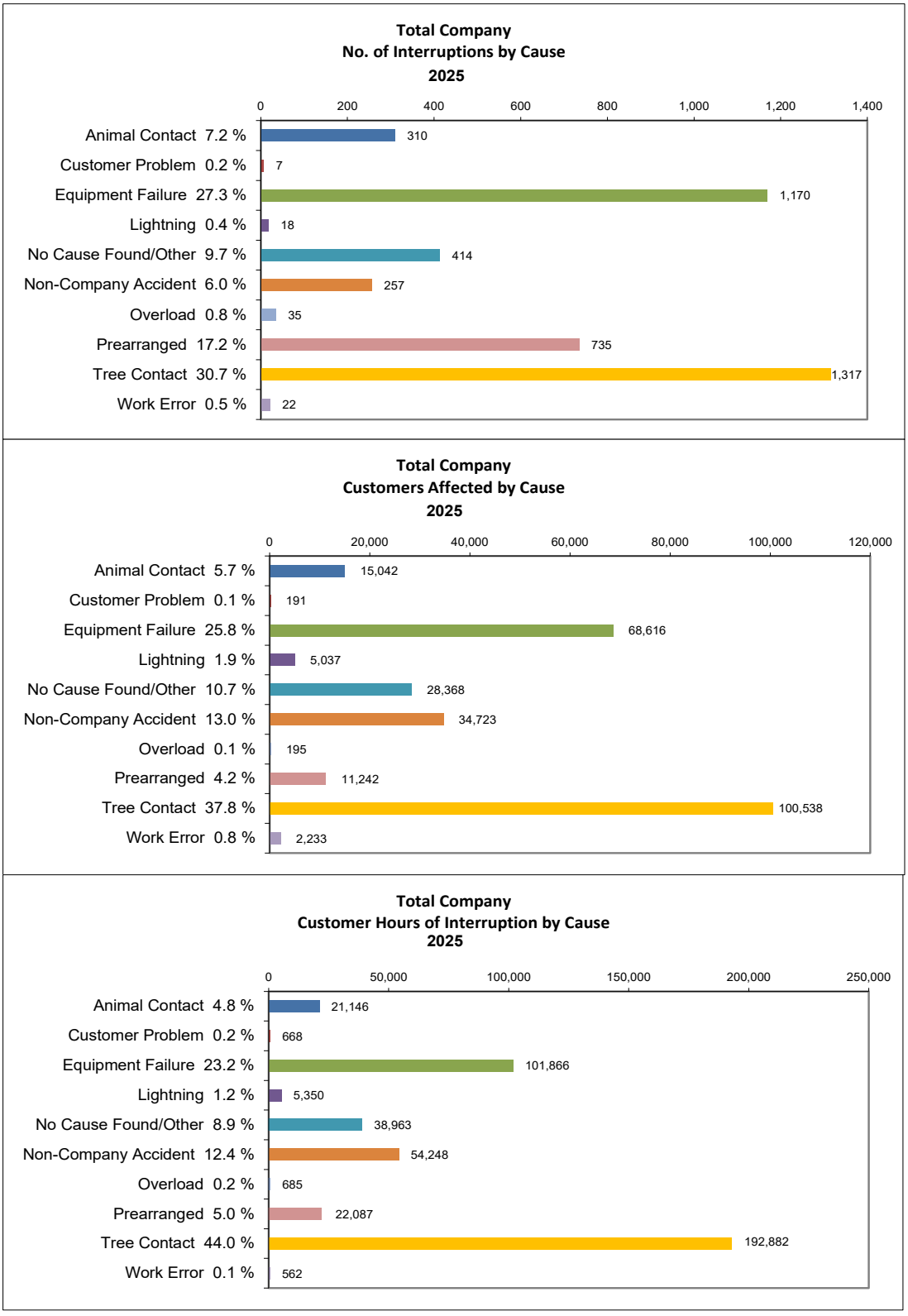


TABLE 2.3.2 – 5-YEAR NEW YORK EQUIPMENT FAILURES BY OUTAGE AND EQUIPMENT TYPE

		Number of Interruptions by Year						
		2020	2021	2022	2023	2024	5-Yr Avg.	2025
Outage Type	Equipment							
Overhead	Arrester	14	15	10	9	4	10	7
	Capacitor	0	0	0	1	0	0	0
	Connecter/Splice - Pri	74	65	72	69	60	68	67
	Connecter/Splice - Sec	207	215	227	183	168	200	107
	Disconnect	0	3	0	1	2	1	0
	Elbow	1	0	0	0	0	0	0
	Electric Meter	11	9	13	18	11	12	2
	Fuse/Cutout/Eld	40	35	50	79	88	58	55
	GOAB	2	0	2	1	1	1	2
	Hardware/Pole	56	60	78	70	80	69	55
	Insulator	3	2	3	7	3	4	4
	O/H Step Transf	5	15	6	12	4	8	4
	O/H Transformer	157	164	179	145	199	169	201
	Recloser	2	1	0	1	0	1	0
	Regulator	0	0	1	0	0	0	0
	Riser Pole Cutout	22	24	22	12	9	18	12
	Sectionalizer	0	0	0	2	0	0	0
	Splice/Junction - Sec	0	2	0	0	0	0	1
	Wire/Cable - Pri	130	122	62	57	106	95	131
	Wire/Cable - Sec	138	136	100	113	141	126	201
	Total - OH	862	868	825	780	876	842	849
Trans/Substa	Brkr/Kyle/Switch	13	1	3	3	1	4	2
	Buss	0	0	0	0	4	1	0
	Cable	0	1	0	0	4	1	1
	Hardware/Pole/Tower	0	0	2	0	0	0	4
	Insulator	0	8	0	0	0	2	0
	Not Coded	0	1	0	1	0	0	1
	Regulator	1	0	0	0	0	0	0
	Transformer	1	3	2	3	4	3	2
	Total - Trans/Substation	15	14	7	7	13	11	10
Underground	Arrester	1	0	0	1	1	1	2
	Boxpad/Silo/Vault	1	3	1	3	2	2	2
	Bushing	1	0	1	2	1	1	1
	Connecter/Splice - Sec	0	0	0	0	0	0	1
	Elbow	5	7	7	7	8	7	7
	Electric Meter	0	0	0	0	0	0	1
	Fuse/Cutout/Eld	0	0	0	0	1	0	0
	Hardeware/Pole	4	2	5	7	6	5	2
	Padmount Transf	127	112	111	115	135	120	107
	Splice/Junction - Pri	3	2	1	4	4	3	6
	Splice/Junction - Sec	20	40	20	34	30	29	13
	Stress Cone	11	7	6	7	10	8	15
	Submersible Transf	0	0	1	0	0	0	2
	Switch	0	2	0	27	7	7	8
	Wire/Cable - Pri	68	89	97	64	81	80	66
	Wire/Cable - Sec	35	67	82	48	48	56	78
	Total - UG	276	331	332	319	334	318	311
	Total - Year	1,153	1,213	1,164	1,106	1,223	1,172	1,170

Note: Figures in **red** denote that the value exceeds the 5-year average and **green** are within the 5-year average.

TABLE 2.3.3 – 5-YEAR NEW YORK EQUIPMENT FAILURES BY OUTAGE AND EQUIPMENT TYPE

		Customers Affected by Year						
		2020	2021	2022	2023	2024	5-Yr Avg.	2025
Outage Type	Equipment							
Overhead	Arrester	3,421	379	1,527	423	111	1,172	210
	Capacitor	0	0	0	1,264	0	253	0
	Connecter/Splice - Pri	2,470	3,457	3,425	6,324	7,746	4,684	7,033
	Connecter/Splice - Sec	451	503	664	832	449	580	596
	Disconnect	0	2,142	0	112	78	466	0
	Elbow	4	0	0	0	0	1	0
	Electric Meter	12	10	29	31	15	19	2
	Fuse/Cutout/Eld	4,223	962	2,076	3,335	2,322	2,584	2,691
	GOAB	453	0	1,402	501	52	482	1,746
	Hardware/Pole	13,619	7,291	11,528	6,694	11,401	10,107	7,882
	Insulator	83	246	1,284	744	904	652	789
	O/H Step Transf	788	1,221	239	1,459	250	791	305
	O/H Transformer	1,709	6,465	5,396	3,461	5,804	4,567	5,479
	Recloser	252	847	0	946	0	409	0
	Regulator	0	0	146	0	0	29	0
	Riser Pole Cutout	413	655	287	1,011	123	498	73
	Sectionalizer	0	0	0	4	0	1	0
	Splice/Junction - Sec	0	2	0	0	0	0	1
	Wire/Cable - Pri	35,329	31,325	11,895	13,503	18,765	22,163	30,824
	Wire/Cable - Sec	604	894	1,498	1,873	435	1,061	766
	Total - OH	63,831	56,399	41,396	42,517	48,455	50,520	58,397
Trans/Substa	Brkr/Kyle/Switch	5,965	573	1,384	7,228	381	3,106	148
	Buss	0	0	0	0	1,493	299	0
	Cable	0	326	0	0	3,872	840	1,058
	Hardware/Pole/Tower	0	0	304	0	0	61	1,380
	Insulator	0	8,492	0	0	0	1,698	0
	Not Coded	0	305	0	2	0	61	1,224
	Regulator	301	0	0	0	0	60	0
	Transformer	699	419	1,354	1,276	2,565	1,263	1,706
	Total - Trans/Substation	6,965	10,115	3,042	8,506	8,311	7,388	5,516
Underground	Arrester	1	0	0	1	17	4	11
	Boxpad/Silo/Vault	3	84	22	14	189	62	143
	Bushing	19	0	6	180	1	41	2
	Connecter/Splice - Sec	0	0	0	0	0	0	6
	Elbow	387	450	203	169	562	354	391
	Electric Meter	0	0	0	0	0	0	1
	Fuse/Cutout/Eld	0	0	0	0	36	7	0
	Hardeware/Pole	152	186	208	64	50	132	6
	Padmount Transf	1,797	1,975	1,187	1,280	1,295	1,507	1,256
	Splice/Junction - Pri	119	40	43	1,737	208	429	435
	Splice/Junction - Sec	37	164	29	151	135	103	95
	Stress Cone	59	535	210	65	129	200	139
	Submersible Transf	0	0	1	0	0	0	6
	Switch	0	11	0	922	273	241	231
	Wire/Cable - Pri	2,422	3,873	6,002	2,579	5,384	4,052	6,986
	Wire/Cable - Sec	1,943	205	154	191	598	618	154
	Total - UG	6,939	7,523	8,065	7,353	8,877	7,751	9,862
	Total - Year	77,735	74,037	52,503	58,376	65,643	65,659	73,775

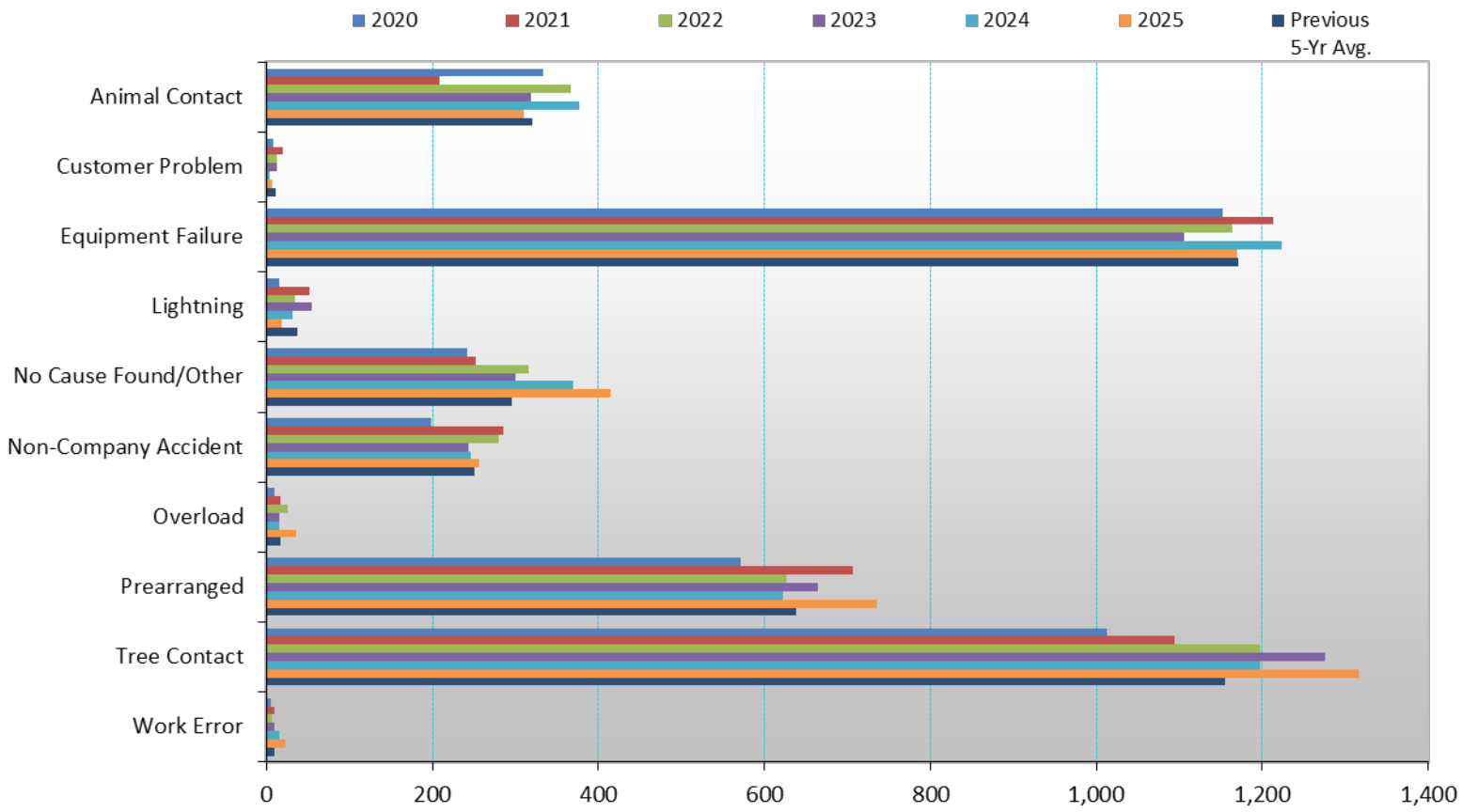
Note: Figures in **red** denote that the value exceeds the 5-year average and **green** are within the 5-year average

TABLE 2.3.4 – 5-YEAR NEW YORK EQUIPMENT FAILURES BY OUTAGE AND EQUIPMENT TYPE

		Total Minutes of Interruptions by Year						
		2020	2021	2022	2023	2024	5-Yr Avg.	2025
Outage Type	Equipment							
Overhead	Arrester	407,821	70,458	106,784	56,069	16,073	131,441	34,162
	Capacitor	0	0	0	7,584	0	1,517	0
	Connecter/Splice - Pri	208,961	200,562	330,709	455,517	393,796	317,909	358,079
	Connecter/Splice - Sec	96,337	83,779	103,499	94,576	90,243	93,687	78,242
	Disconnect	0	23,933	0	17,808	5,950	9,538	0
	Elbow	1,684	0	0	0	0	337	0
	Electric Meter	4,624	2,104	4,556	7,814	2,886	4,397	243
	Fuse/Cutout/Eld	183,614	138,504	110,927	320,968	396,285	230,060	401,261
	GOAB	18,574	0	20,954	8,016	1,768	9,862	104,294
	Hardware/Pole	851,293	577,951	709,613	664,394	1,027,830	766,216	356,722
	Insulator	8,655	22,485	74,524	116,635	117,928	68,045	34,475
	O/H Step Transf	75,145	290,710	83,198	221,024	19,745	137,964	95,621
	O/H Transformer	317,594	1,092,465	381,096	266,761	657,944	543,172	473,189
	Recloser	16,627	11,633	0	41,764	0	14,005	0
	Regulator	0	0	1,314	0	0	263	0
	Riser Pole Cutout	117,152	34,686	36,097	31,254	48,419	53,522	15,208
	Sectionalizer	0	0	0	990	0	198	0
	Splice/Junction - Sec	0	531	0	0	0	106	95
	Wire/Cable - Pri	2,781,064	2,200,178	1,377,331	857,202	1,508,706	1,744,896	1,769,258
	Wire/Cable - Sec	81,626	90,188	75,607	189,819	76,795	102,807	84,479
	Total - OH	5,170,771	4,840,167	3,416,209	3,358,195	4,364,368	4,229,942	3,805,328
Trans/Substa	Brkr/Kyle/Switch	343,560	4,584	111,651	76,057	7,239	108,618	1,702
	Buss	0	0	0	0	24,032	4,806	0
	Cable	0	20,375	0	0	76,599	19,395	71,354
	Hardware/Pole/Tower	0	0	3,521	0	0	704	34,666
	Insulator	0	154,422	0	0	0	30,884	0
	Not Coded	0	49,410	0	254	0	9,933	108,297
	Regulator	38,227	0	0	0	0	7,645	0
	Transformer	67,977	19,705	512,849	34,539	17,955	130,605	279,872
	Total - Trans/Substation	449,764	248,496	628,021	110,850	125,825	312,591	495,891
Underground	Arrester	452	0	0	344	4,845	1,128	6,992
	Boxpad/Silo/Vault	2,027	20,980	2,618	3,238	33,273	12,427	29,555
	Bushing	4,719	0	2,688	51,740	579	11,945	884
	Connecter/Splice - Sec	0	0	0	0	0	0	2,448
	Elbow	158,568	161,875	50,165	41,697	172,457	116,952	116,566
	Electric Meter	0	0	0	0	0	0	74
	Fuse/Cutout/Eld	0	0	0	0	6,588	1,318	0
	Hardeware/Pole	61,962	35,298	38,016	18,724	11,612	33,122	342
	Padmount Transf	384,225	258,310	352,605	334,633	335,001	332,955	330,561
	Splice/Junction - Pri	61,671	19,020	17,243	170,906	52,193	64,207	35,507
	Splice/Junction - Sec	10,420	37,895	8,555	21,872	32,569	22,262	17,609
	Stress Cone	12,959	113,515	37,689	14,749	10,971	37,977	50,155
	Submersible Transf	0	0	226	0	0	45	552
	Switch	0	2,579	0	263,346	41,282	61,441	36,532
	Wire/Cable - Pri	777,337	1,124,413	1,459,416	657,906	1,225,978	1,049,010	1,126,550
	Wire/Cable - Sec	93,137	81,779	56,462	91,927	117,752	88,211	56,433
	Total - UG	1,567,477	1,855,664	2,025,683	1,671,082	2,045,100	1,833,001	1,810,760
	Total - Year	7,188,012	6,944,327	6,069,913	5,140,127	6,535,293	6,375,534	6,111,979

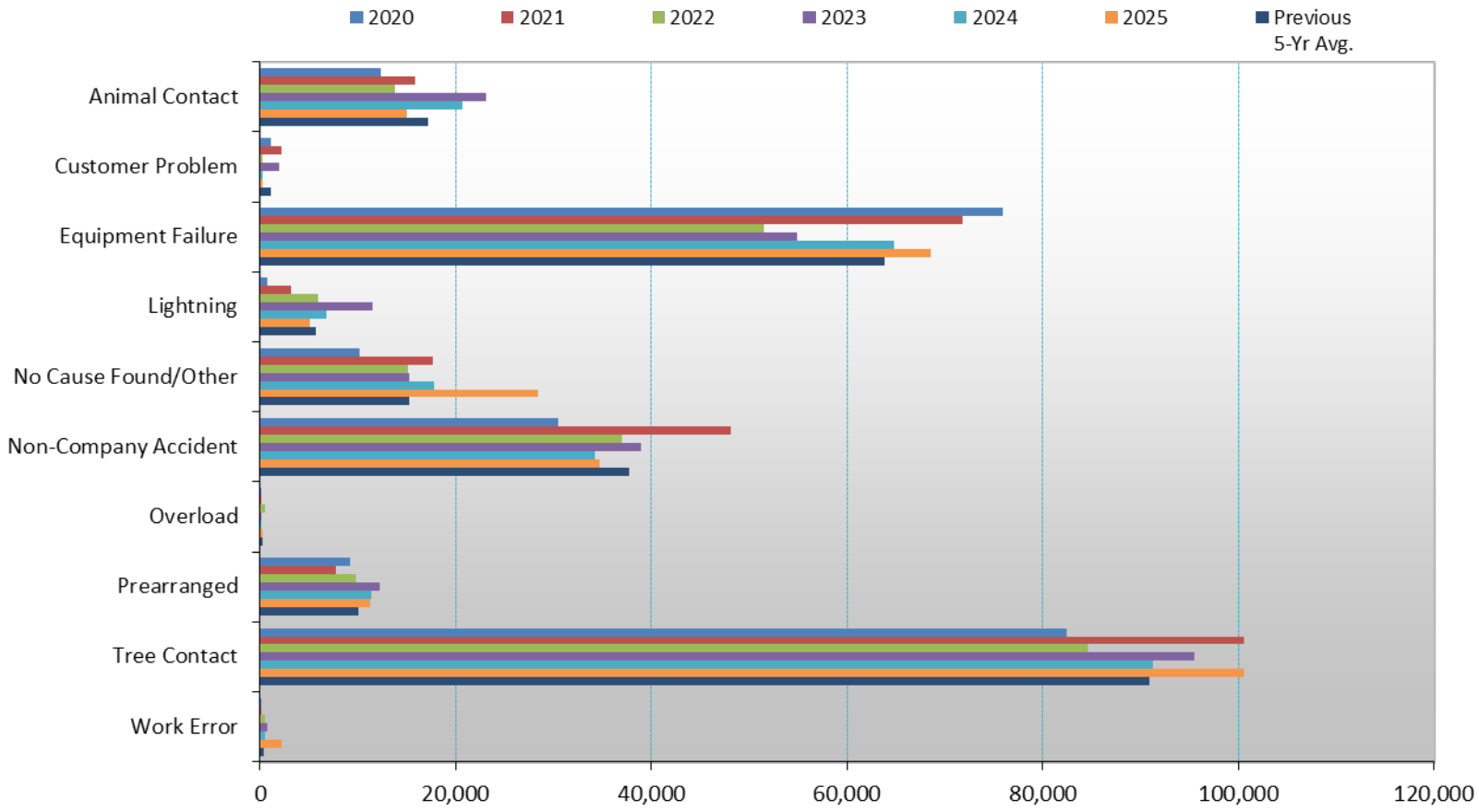
Note: Figures in **red** denote that the value exceeds the 5-year average and **green** are within the 5-year average

FIGURE 2.3.8 – 5-YEAR COMPARISON - NUMBER OF INTERRUPTIONS BY CAUSE



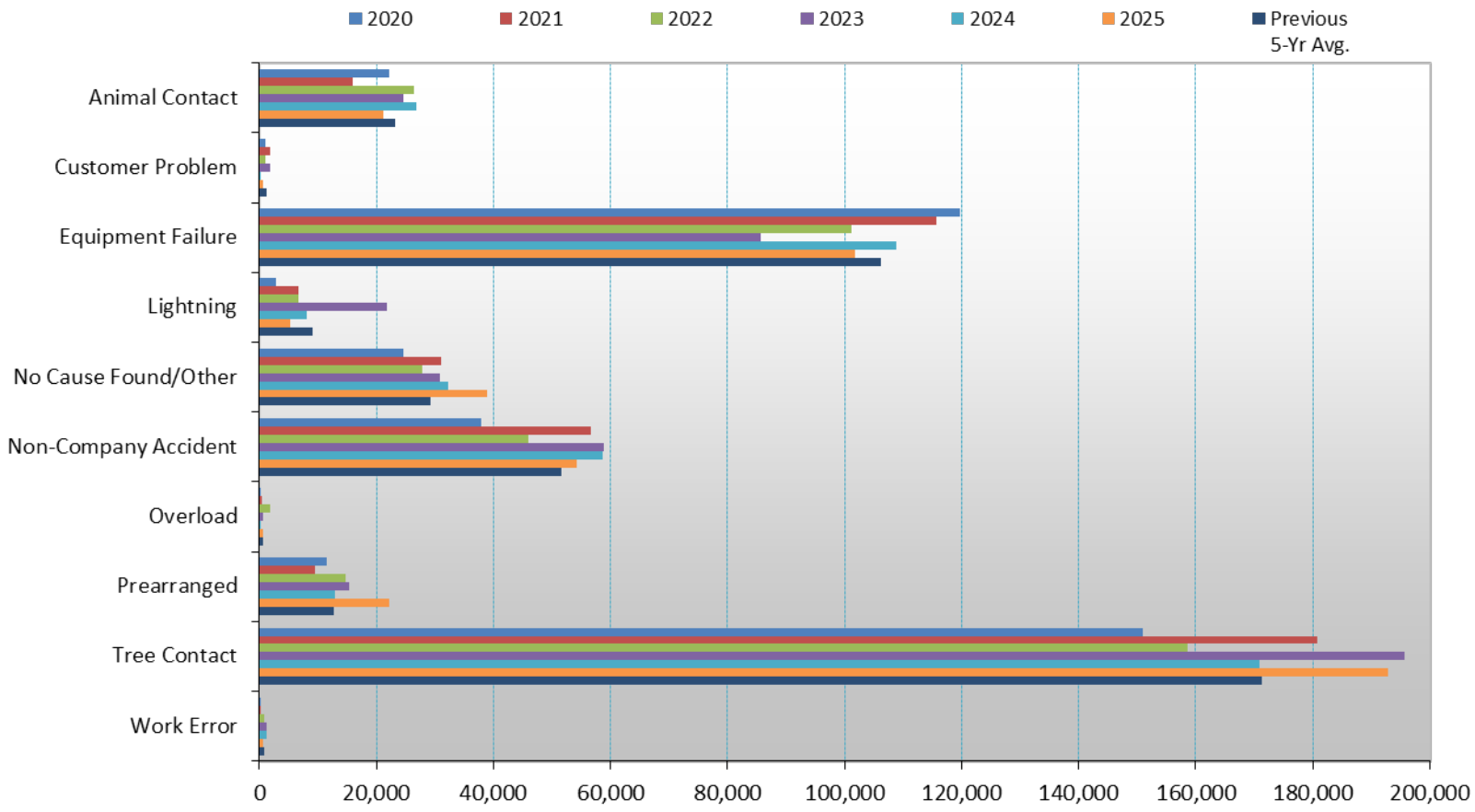
Includes Partial Powers, Single No Lights
Excludes Storm Activity

FIGURE 2.3.9 – 5-YEAR COMPARISON - CUSTOMERS AFFECTED BY CAUSE



Includes Partial Powers, Single No Lights
Excludes Storm Activity

FIGURE 2.3.10 – 5-YEAR COMPARISON - CUSTOMER-HOURS OF INTERRUPTION BY CAUSE



Includes Partial Powers, Single No Lights
Excludes Storm Activity

FIGURE 2.3.11 – 5-YEAR COMPARISON - CUSTOMERS PER INTERRUPTION (WITH/WITHOUT STORM)

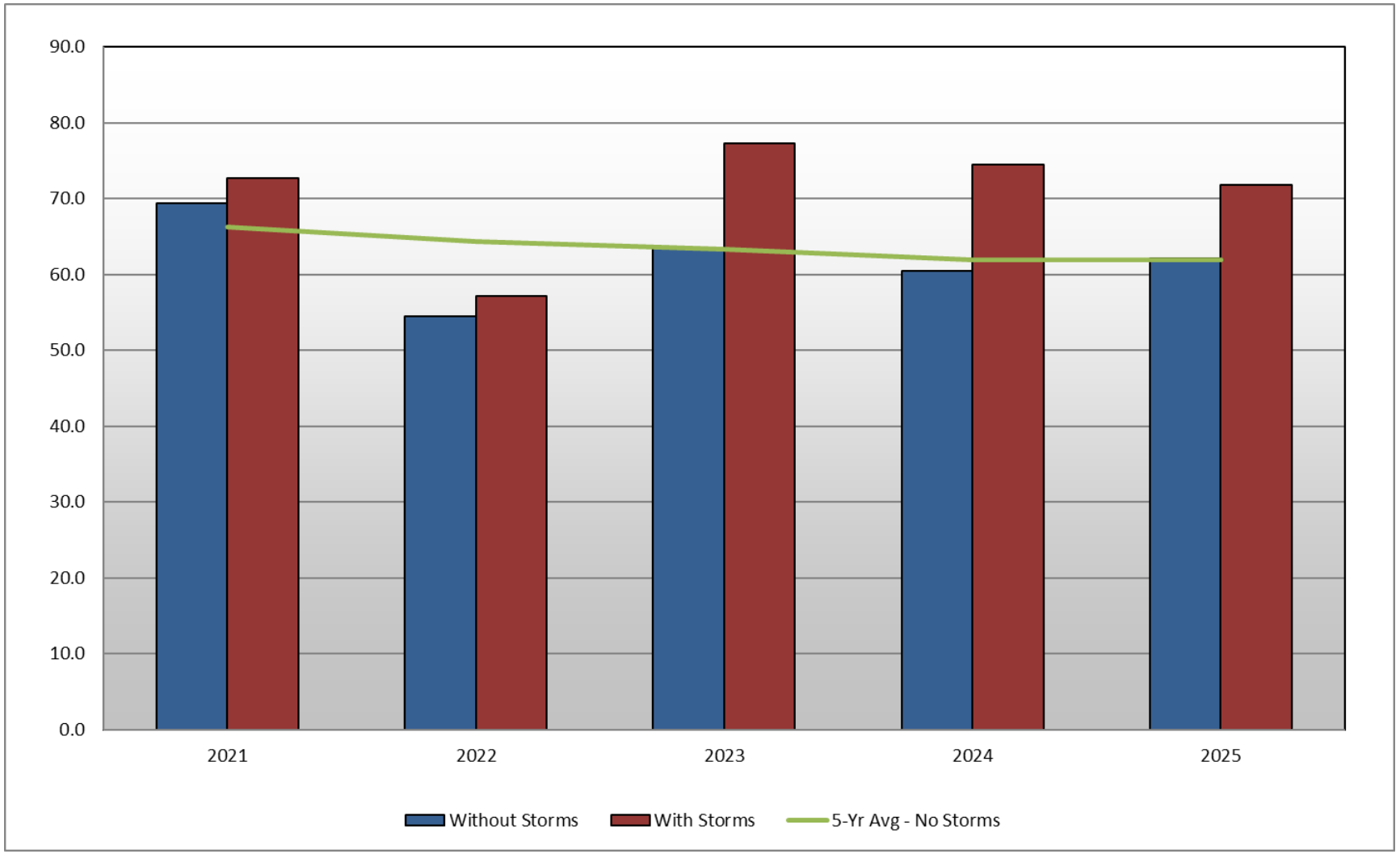


TABLE 2.3.5 – 5-YR COMPARISON - LARGE OUTAGE IMPACT ON SAIFI, CAIDI & SAIDI

Company Without Storms
Effect of Interruptions Affecting 5,000 or more Customers

YEAR	CUSTOMERS SERVED (CS)	# OF INTERRUPTIONS	CUSTOMERS AFFECTED (CA)	CUSTOMER MINUTES OF INTERRUPTION (CM)	FREQUENCY (CA/CS)	RESTORATION (CH/CA)	DURATION (CH/CS)
WITHOUT STORMS							
2020	231,512	3,546	222,505	22,264,954	0.96	1.67	1.60
2021	233,903	3,858	267,493	25,121,815	1.14	1.57	1.79
2022	235,319	4,027	219,180	23,092,388	0.93	1.76	1.64
2023	237,593	4,015	255,698	26,303,504	1.08	1.71	1.85
2024	240,360	4,126	251,355	25,609,053	1.05	1.70	1.78
5-Yr Average	**235,737**	**3,914**	**243,246**	**24,478,343**	**1.03**	**1.68**	**1.73**
2025	242,571	4,299	267,136	26,452,474	1.10	1.65	1.82

WITHOUT STORMS - OUTAGES AFFECTING > 5000 CUSTOMERS

YEAR	SERVED	INTERR's	CUST AFF	CUST MIN
2020	231,512	0	0	0
2021	233,903	1	8,492	154,422
2022	235,319	0	0	0
2023	237,593	2	11,247	417,584
2024	240,360	0	0	0
5-Yr Average	**235,737**	**1**	**3,948**	**114,401**
2025	242,571	6	5,364	227,946

WITHOUT STORMS AND WITHOUT THOSE OUTAGES AFFECTING > 5000 CUSTOMERS

YEAR	SERVED	INTERR's	CUST AFF	CUST MIN			
2020	231,512	3,546	222,505	22,264,954	0.96	1.67	1.60
2021	233,903	3,857	259,001	24,967,393	1.11	1.61	1.78
2022	235,319	4,027	219,180	23,092,388	0.93	1.76	1.64
2023	237,593	4,013	244,451	25,885,920	1.03	1.76	1.82
2024	240,360	4,126	251,355	25,609,053	1.05	1.70	1.78
5-Yr Average	**235,737**	**3,914**	**239,298**	**24,363,942**	**1.02**	**1.70**	**1.72**
2025	242,571	4,293	261,772	26,224,528	1.08	1.67	1.80

FIGURE 2.3.12 – 20-YEAR SAIFI TREND

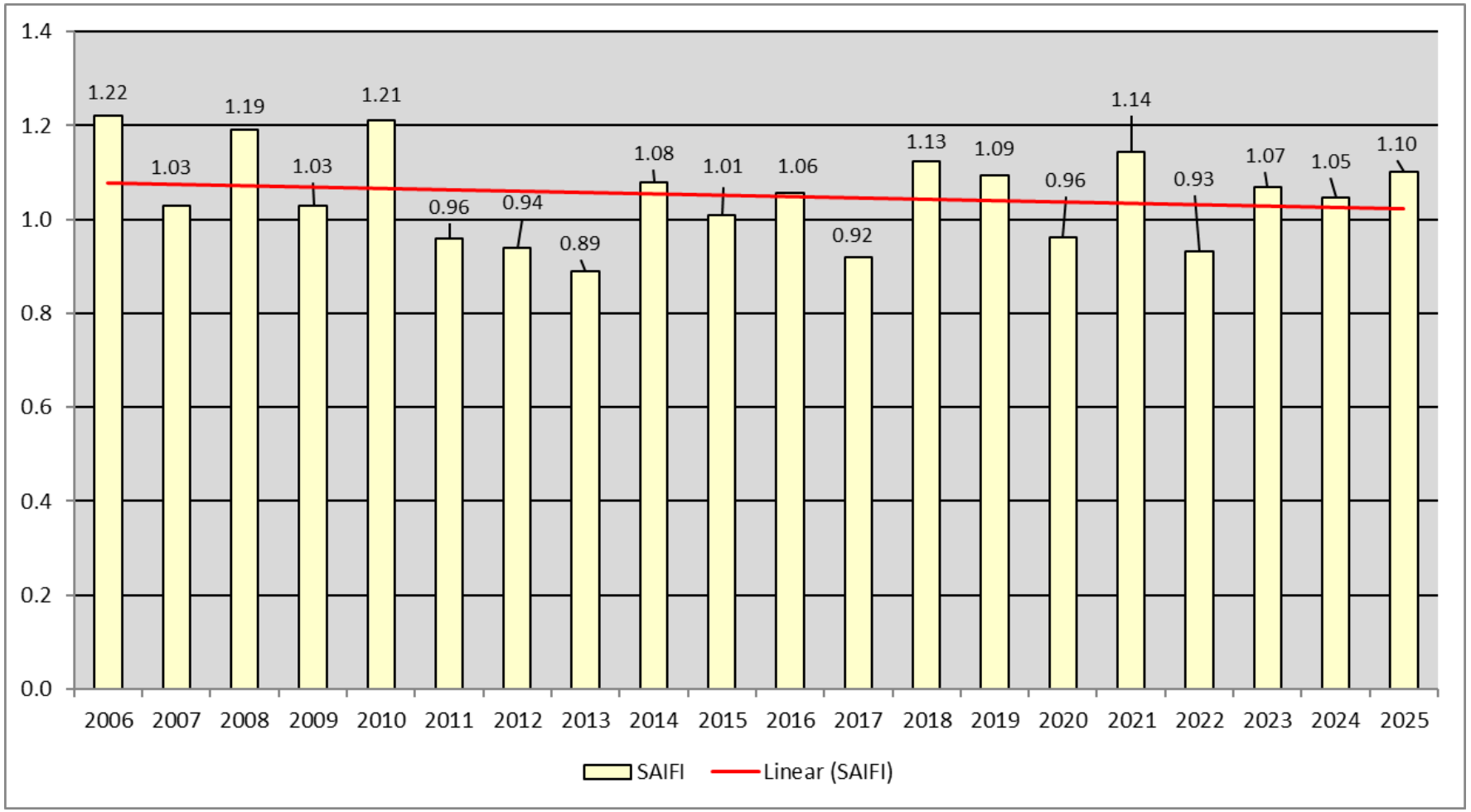


FIGURE 2.3.13 – 20-YEAR CAIDI TREND

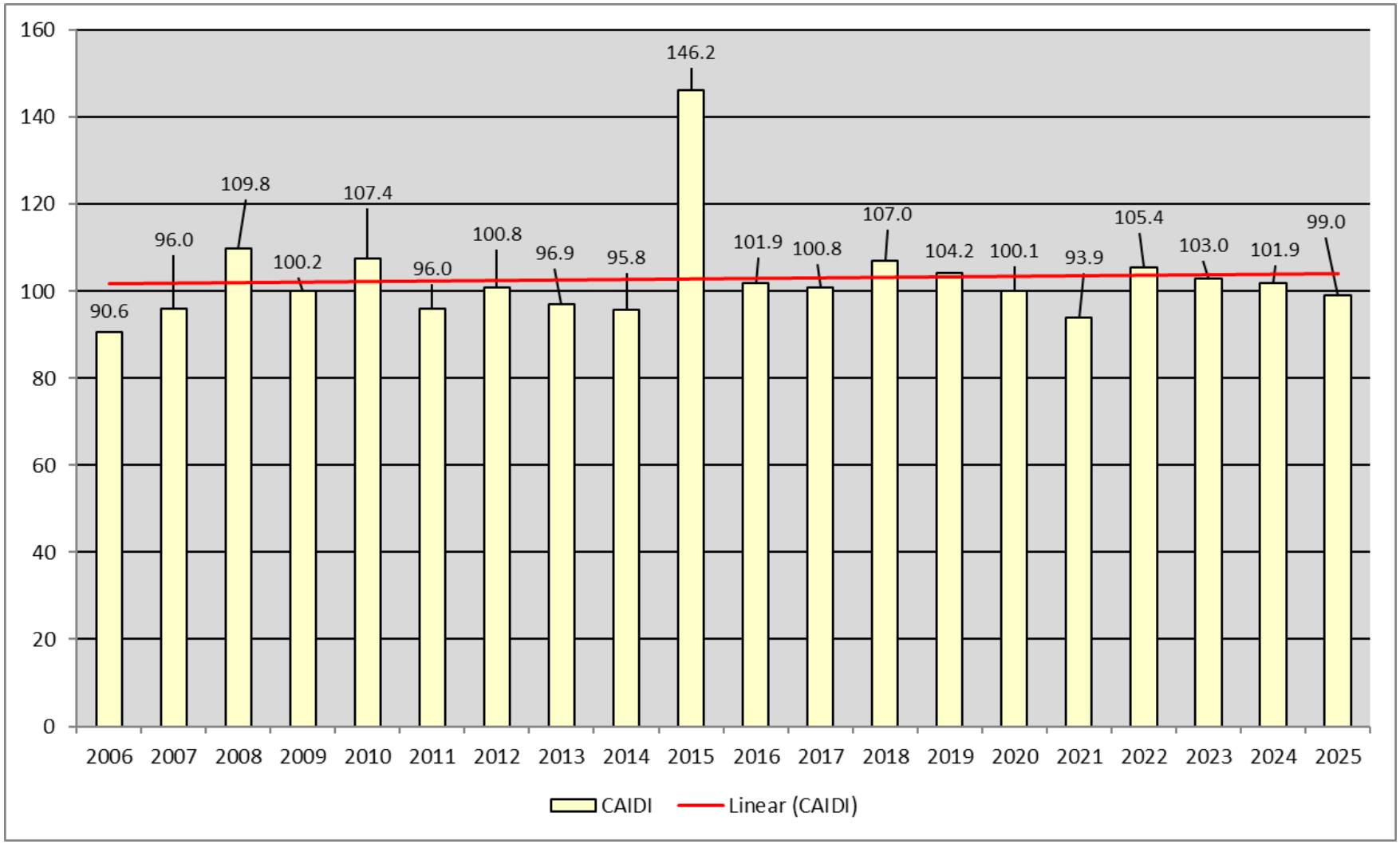


FIGURE 2.3.14 – 20-YEAR SAIDI TREND

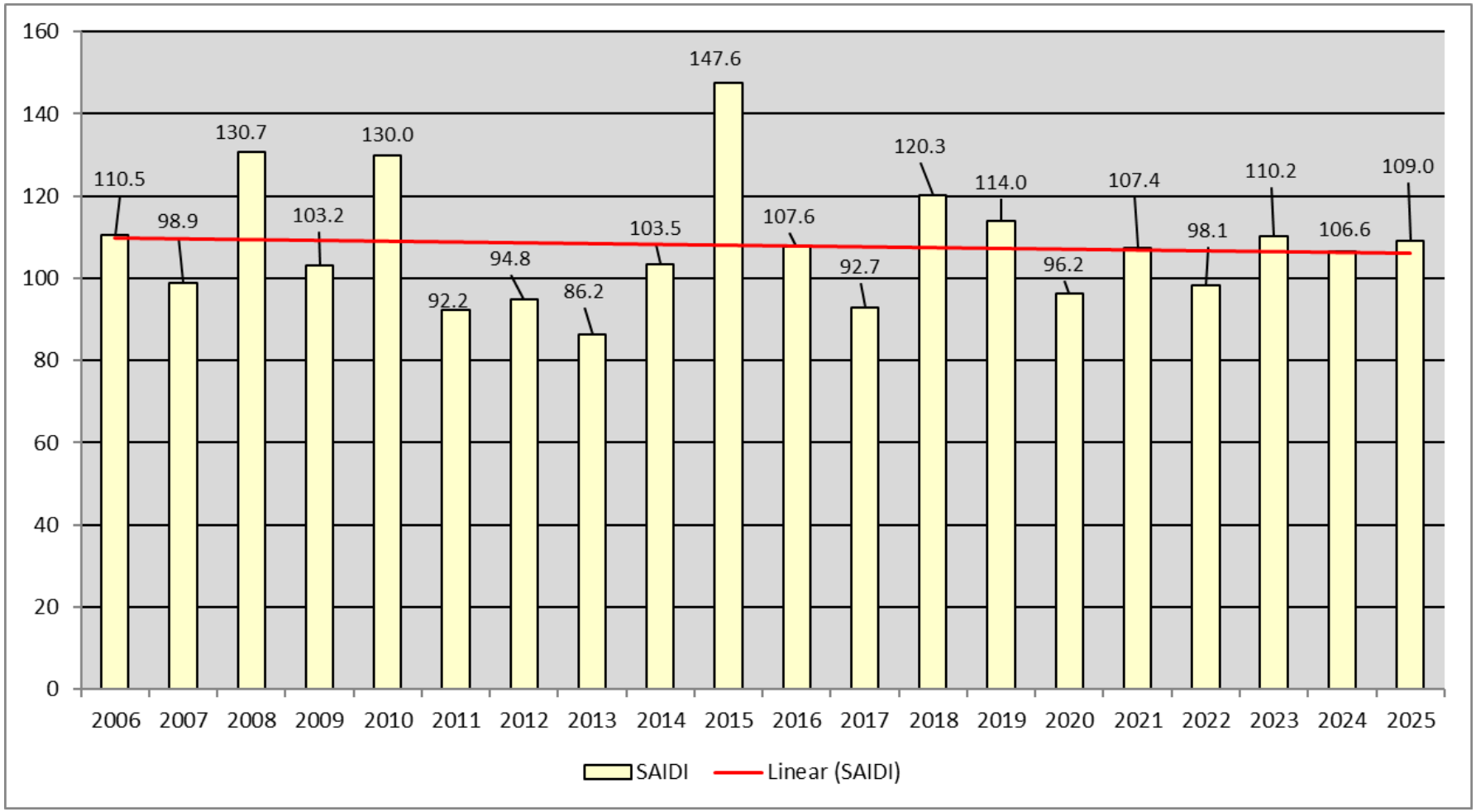
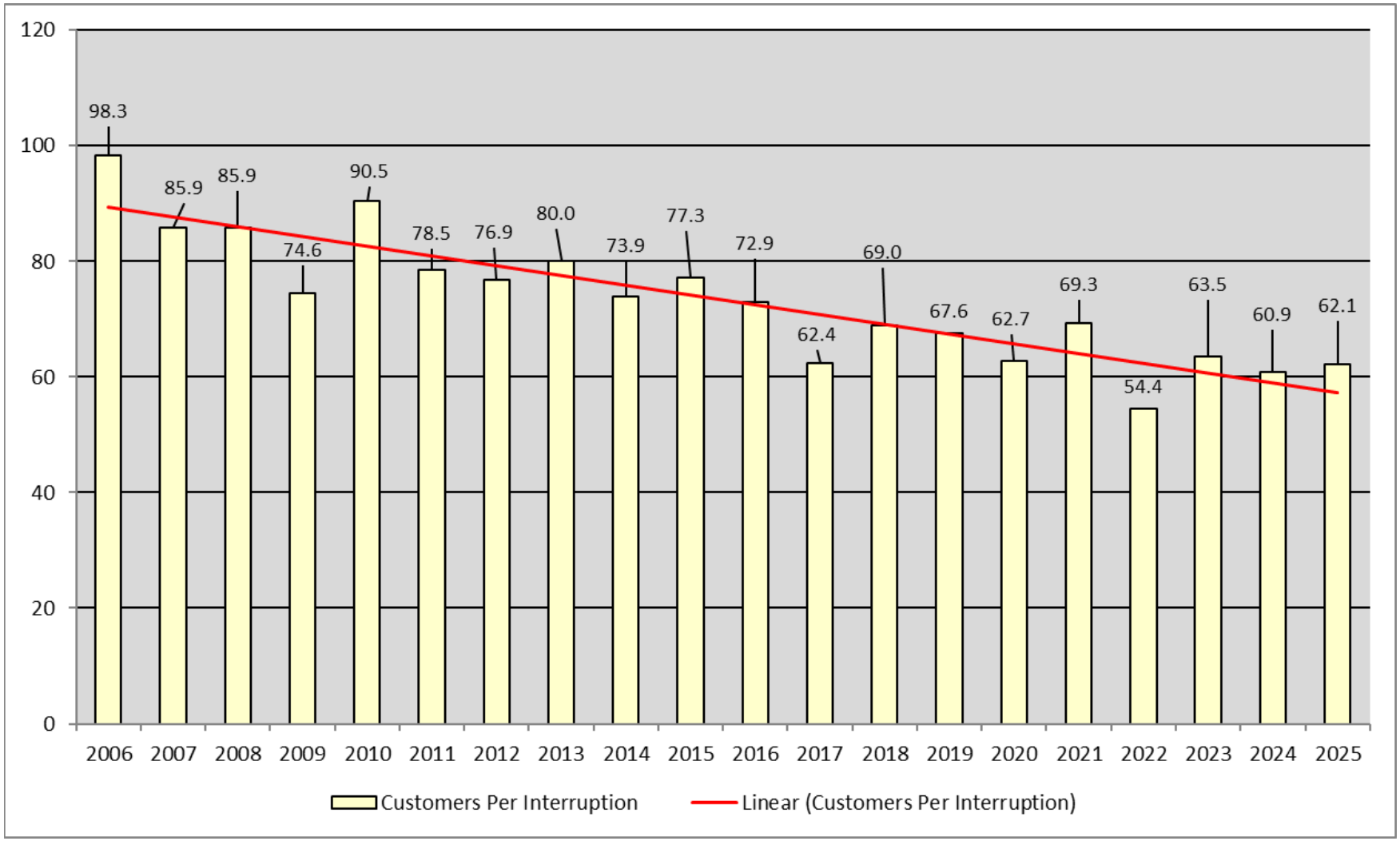


FIGURE 2.3.15 – 20-YEAR CUSTOMERS PER INTERRUPTION TREND



3. EASTERN DIVISION

3.1. 2025 Divisional Performance

In 2025, the year-end frequency for the Eastern Division was 0.79 customers affected per customer served. This performance was better than the divisional standard of 1.20 and represented an improvement from the Division's 2024 performance, as well as the previous five-year average of 0.84. The year-end restoration of 1.31 customer-hours of interruption per customer affected was an improvement compared to the Division's 2024 performance and was better than the divisional standard of 1.50, as well as the previous five-year average of 1.45. The Division's monthly performance for these indices from 2020 through 2025 is shown in Table 3.2.1.

Figures 3.2.1, 3.2.2, and 3.2.3 illustrate Eastern Division performance trends on a rolling 12-month basis, from 2020 through 2025. The rolling 12-month number of interruptions in 2025 increased compared to 2024. Excludable days during the year impacted Eastern Division performance, with four excludable days attributable to weather events affecting the Division in 2025. This result was the same compared to 2024's four excludable days.

The rolling 12-month average number of customers affected decreased in 2025, with 96,680 customers affected, down from 110,974 customers in 2024. Daily outage data indicates that customer-hours of interruption were seasonally concentrated in winter through early spring, with higher impacts observed during March and April and decreasing throughout the summer.

Figure 3.2.4 presents a summary, by cause, of the number of interruptions, customers affected, and customer-hours of interruption experienced in 2025. Consistent with historical trends, equipment failure and tree contact were the primary contributors to interruptions. Partial power and single customer interruptions contributed to the total number of interruptions for both causes. Of the 387 interruptions in the tree-contact category, 110 (28%) were attributable to partial power or single customer conditions. Of the 599 interruptions in the equipment failure category, 205 (34%) were attributable to partial power or single customer conditions. Both results increased from 2024 but were consistent with the Eastern Division's historical performance.

Figures 3.2.5, 3.2.6, and 3.2.7 depict the annual contribution, by major cause, to the number of interruptions, customers affected, and customer-hours of interruption, respectively. Compared to 2024, the number of interruptions improved in animal contact, equipment failures, and tree contact, while the number of customers for whom no cause was found increased by 127%.

Tree contact and equipment failure remained the largest contributors to interruptions in 2025. Tree contact interruptions decreased by 5.4%, while equipment failure interruptions decreased by 9.8% compared to 2024. Customer-minutes of interruption associated with tree-contact decreased by 39% and equipment failure increased by 7%.

As shown in Table 3.2.2, 3.2.3, and 3.2.4, which show equipment failures by type, the number of interruptions and customer-minutes of interruption improved from 2024 while the number of customers affected increased. The number of interruptions and minutes of interruption were lower than their respective five-year averages. The number of customers affected by equipment failures increased by 31%, with overhead and underground both contributing to the increase. Substation failures showed the highest improvement, with a 57% reduction.

In 2025, there were no major outages in the Eastern Division that affected more than 5,000 customers. The Company storm statistics and analysis table are shown in Appendix E of this Report. In 2025, there were four events that met the major storm criteria for the Eastern Division, consisting of three events with high winds and a winter storm that caused a total of 88 customers with outages over 24 hours.

The Eastern Division is served by 108 distribution circuits. Circuit priority ratings are provided in Appendix A. Of these circuits, 16 were excluded from evaluation because they serve fewer than 100 customers or experienced fewer than three interruptions. Of the remaining circuits, 70% met the frequency standard and 56% met the restoration standard.

For the Eastern Division, $MAIFI_e$ in 2025 was 8.41, based on 123,061 customers served and a total of 1,035,098 momentary interruptions experienced by customers. This performance was worse than in 2024 and above the previous three-year average of 7.64. Currently, the Company calculates $MAIFI_e$ based on operations from the substation breaker that supply the circuit.

3.2 List of Eastern Division Figures and Tables for 2025 Division Performance

Divisional Tables

Divisional Figures

Worst Performing Circuit Statistics by Cause (No. of Int., Customers Affected, Cust. -Hrs. of Int.)

TABLE 3.2.1 – 5-YEAR COMPARISON – FREQUENCY AND RESTORATION BY MONTH

EASTERN DIVISION - NYS - ALL OUTAGES - WITHOUT STORMS
calculations for calendar year reliability goals

FREQUENCY - CUSTOMERS AFFECTED / CUSTOMERS SERVED

MONTH	2020	2021	2022	2023	2024	5 YR AVG	2025 ACTUAL Monthly	2025 ACTUAL Y-T-D
JAN	0.05	0.03	0.06	0.03	0.03	0.04	0.06	0.06
FEB	0.06	0.03	0.03	0.03	0.08	0.04	0.03	0.09
MAR	0.02	0.08	0.06	0.03	0.03	0.05	0.11	0.20
APR	0.08	0.05	0.03	0.02	0.11	0.06	0.05	0.25
MAY	0.11	0.12	0.06	0.04	0.07	0.08	0.07	0.32
JUN	0.14	0.06	0.09	0.18	0.08	0.11	0.05	0.37
JLY	0.11	0.11	0.09	0.15	0.12	0.12	0.10	0.46
AUG	0.07	0.09	0.06	0.06	0.14	0.08	0.04	0.50
SEP	0.10	0.09	0.05	0.13	0.08	0.09	0.13	0.63
OCT	0.08	0.06	0.04	0.07	0.09	0.07	0.09	0.73
NOV	0.09	0.05	0.06	0.08	0.05	0.07	0.04	0.77
DEC	0.06	0.03	0.06	0.05	0.03	0.04	0.02	0.79
YR END	0.96	0.78	0.69	0.87	0.91	0.84		0.79

RESTORATION - MINUTES OF INTERR / CUST AFFECTED

MONTH	2020	2021	2022	2023	2024	5 YR AVG	2025 ACTUAL Monthly	2025 ACTUAL Y-T-D
JAN	109.0	160.5	85.1	120.6	104.2	115.9	66.0	66.0
FEB	71.3	111.7	132.7	81.1	67.7	92.9	93.0	74.0
MAR	133.1	72.6	85.4	83.3	86.1	92.1	84.8	80.1
APR	68.5	104.3	76.7	109.2	56.2	83.0	53.4	74.6
MAY	63.6	69.9	89.2	63.3	81.2	73.5	73.8	74.4
JUN	137.5	104.3	104.5	83.5	127.0	111.4	124.7	80.9
JLY	108.7	86.5	76.6	85.6	107.4	93.0	84.0	81.5
AUG	81.2	92.9	76.2	102.2	62.7	83.0	94.6	82.6
SEP	86.2	78.6	90.3	108.5	70.4	86.8	65.1	79.0
OCT	75.3	99.7	88.4	52.1	54.5	74.0	67.5	77.5
NOV	102.7	81.2	96.7	69.4	89.1	87.8	77.3	77.5
DEC	67.6	100.7	84.0	62.8	75.5	78.1	114.3	78.5
YR END(Min)	93.0	89.7	89.5	84.7	79.0	87.2		78.5
YR END(Hr)	1.55	1.50	1.49	1.41	1.32	1.45		1.31

FIGURE 3.2.1 – 12-MONTH ROLLING AVERAGE – NUMBER OF INTERRUPTIONS

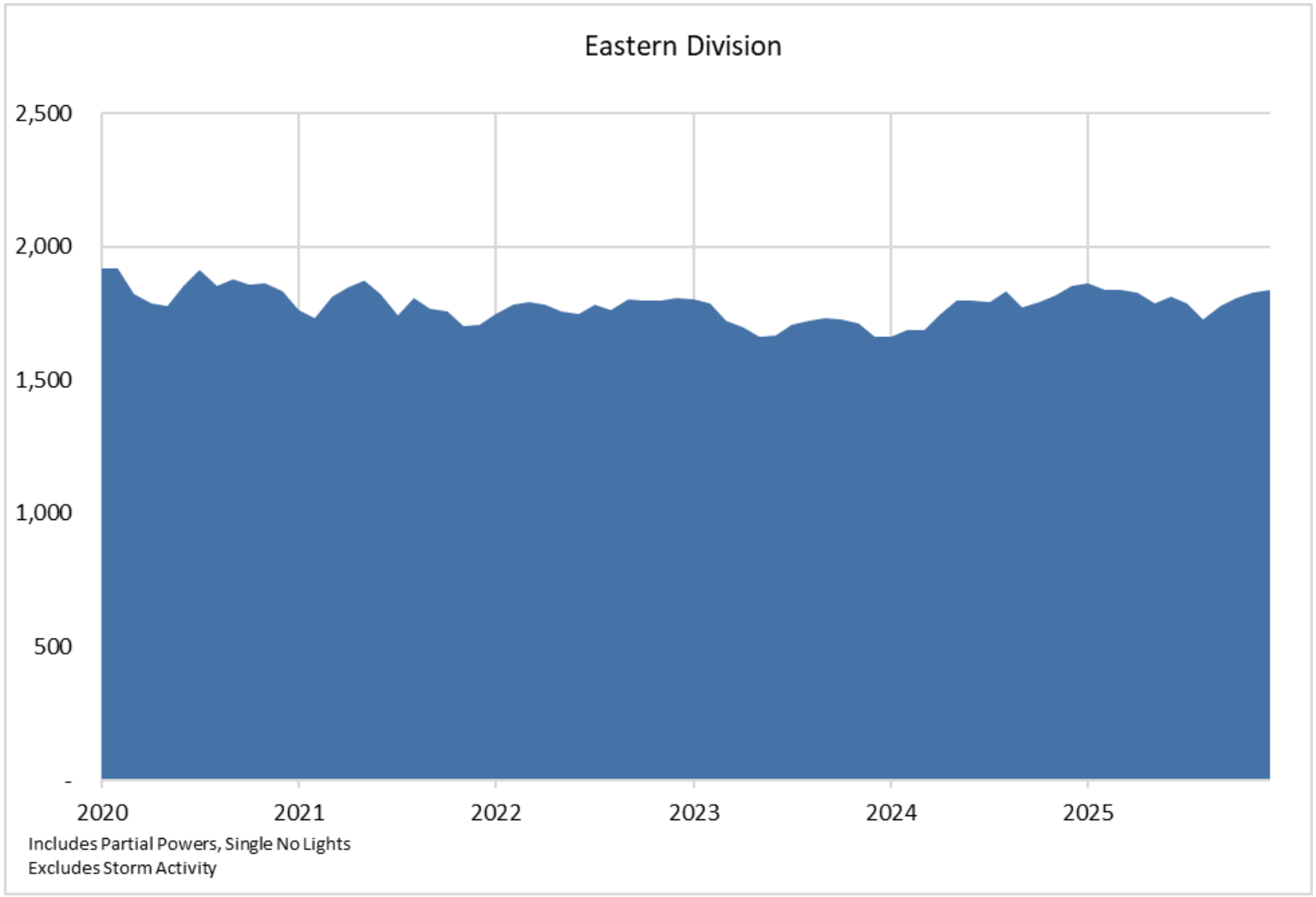


FIGURE 3.2.2 – 12-MONTH ROLLING – CUSTOMERS AFFECTED

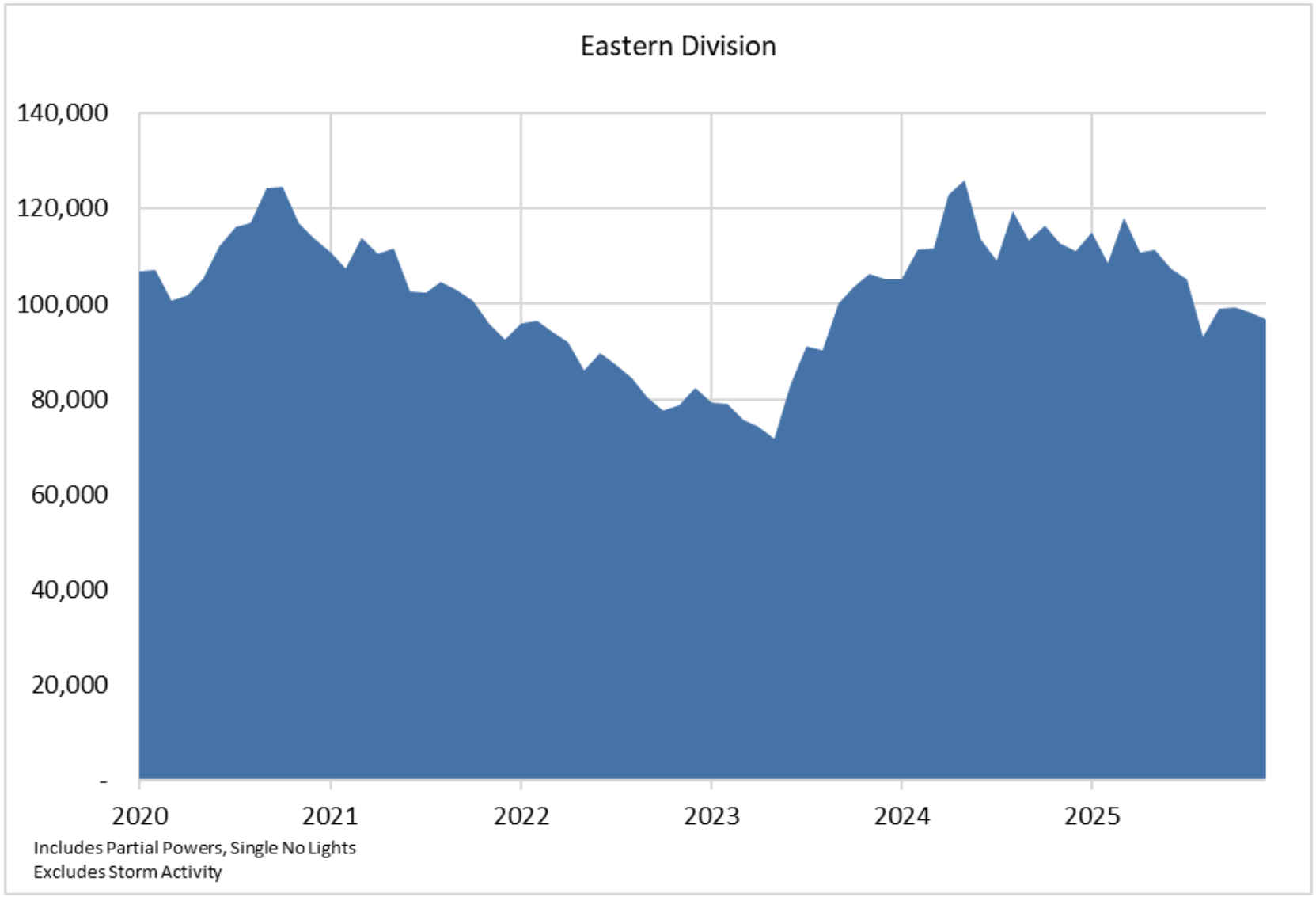


FIGURE 3.2.3 – 12-MONTH ROLLING AVERAGE – CUSTOMER-HOURS OF INTERRUPTION

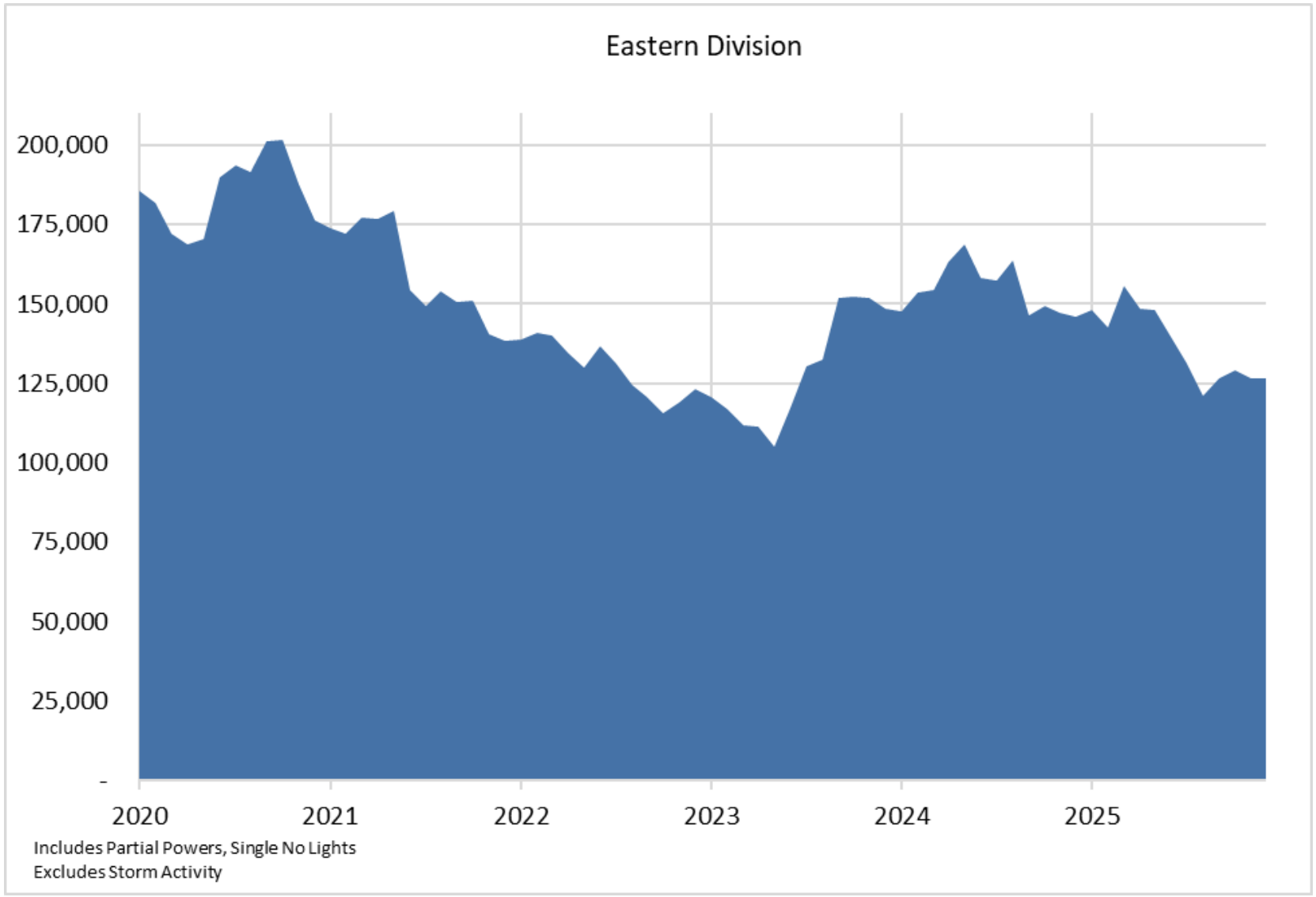
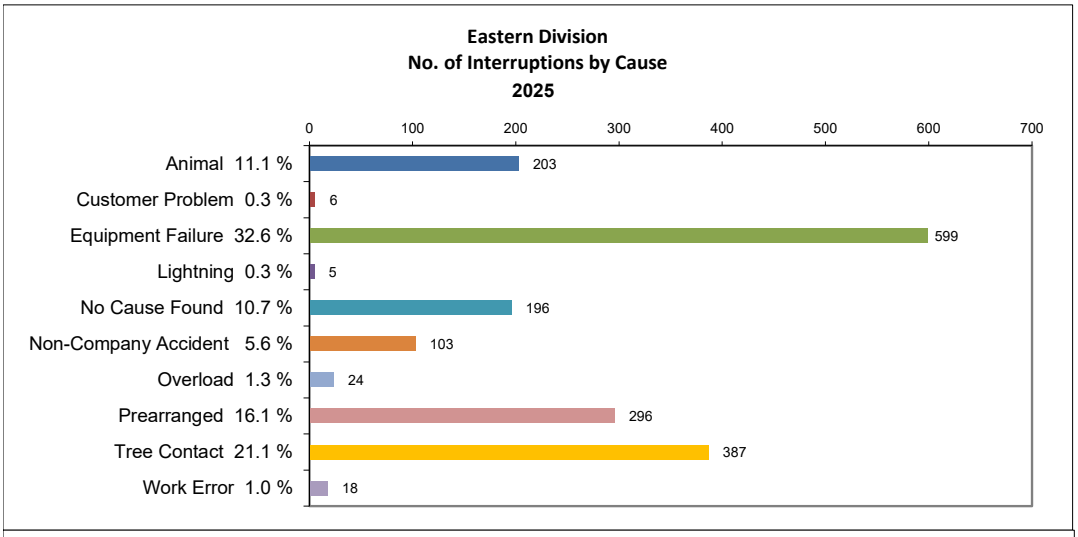
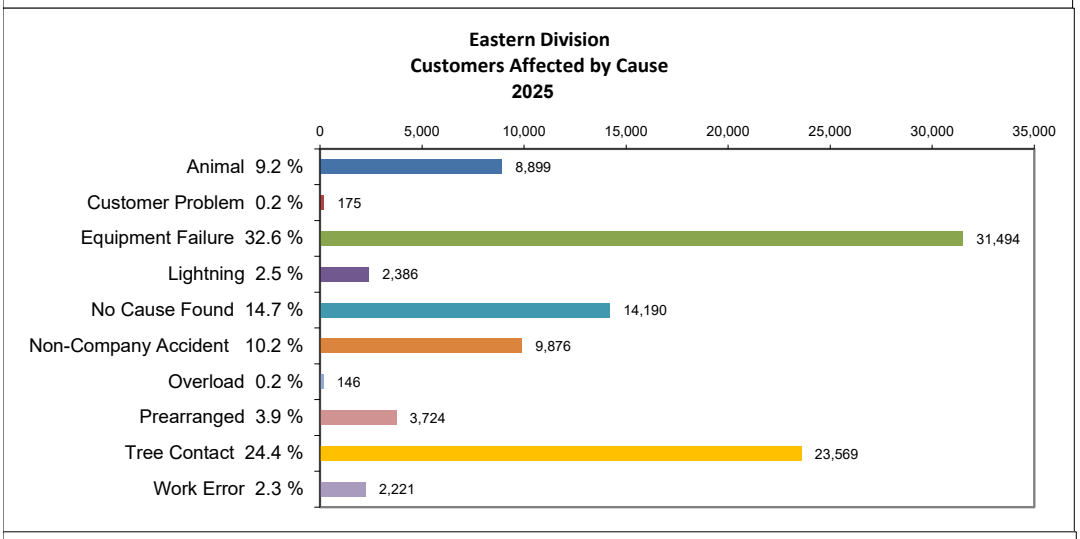


FIGURE 3.2.4 – OUTAGE STATISTICS BY CAUSE





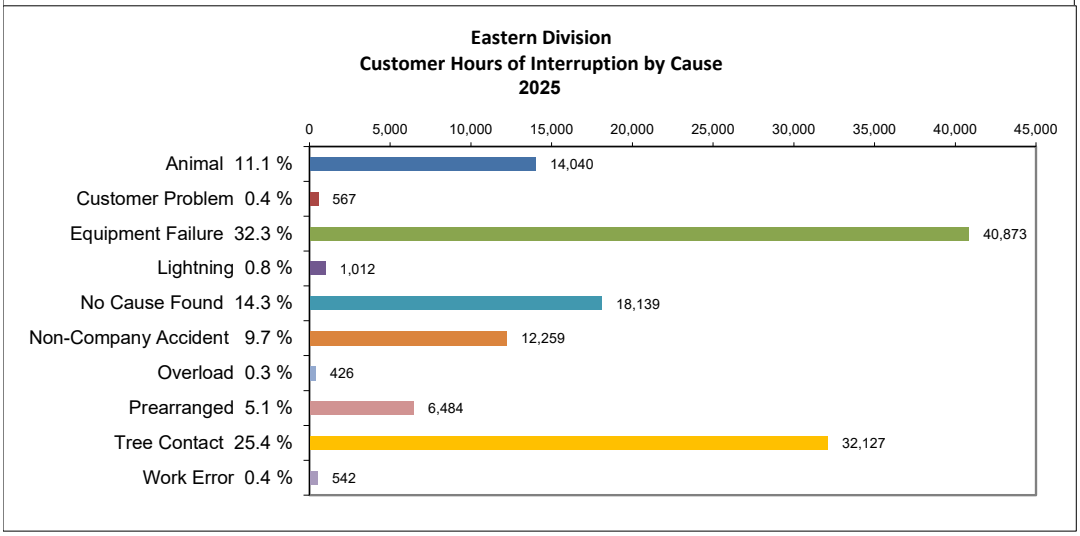


TABLE 3.2.2 – 5-YEAR EASTERN EQUIPMENT FAILURES – BY TYPE AND EQUIPMENT FAILURE CODE

		Number of Interruptions by Year						
		2020	2021	2022	2023	2024	5 Yr Avg.	2025
Outage Type	**Equipment**							
Overhead	Arrester	5	7	4	5	2	5	1
	Capacitor	0	0	0	1	0	0	0
	Connecter/Splice - Pri	56	43	48	40	33	44	29
	Connecter/Splice - Sec	144	134	146	102	105	126	40
	Disconnect	0	1	0	1	1	1	0
	Electric Meter	7	7	7	5	3	6	0
	Fuse/Cutout/Eld	23	20	22	14	38	23	28
	GOAB	0	0	2	0	0	0	1
	Hardware/Pole	29	14	35	28	39	29	14
	Insulator	1	2	2	3	1	2	0
	O/H Step Transf	2	6	2	5	2	3	0
	O/H Transformer	81	70	64	54	95	73	80
	Recloser	1	1	0	0	0	0	0
	Riser Pole Cutout	8	4	11	7	4	7	5
	Splice/Junction - Sec	0	1	0	0	0	0	0
	Wire/Cable - Pri	52	35	23	22	47	36	69
	Wire/Cable - Sec	70	81	65	70	72	72	132
	Total - OH	479	426	431	357	442	427	399
Trans/Substa	Brkr/Kyle/Switch	7	1	0	2	0	2	0
	Buss	0	0	0	0	4	1	0
	Hardware/Pole/Tower	0	0	0	0	0	0	3
	Transformer	0	0	0	3	3	1	0
	Total - Trans/Substa	7	1	0	5	7	4	3
Underground	Arrester	1	0	0	0	0	0	0
	Boxpad/Silo/Vault	1	1	0	0	1	1	0
	Bushing	0	0	0	1	0	0	1
	Connecter/Splice - Sec	0	0	0	0	0	0	1
	Elbow	3	4	3	4	3	3	3
	Fuse/Cutout/Eld	0	0	0	0	1	0	0
	Hardeware/Pole	3	1	5	5	3	3	1
	Padmount Transf	91	50	51	68	92	70	83
	Splice/Junction - Pri	2	0	0	2	3	1	3
	Splice/Junction - Sec	10	24	14	16	17	16	8
	Stress Cone	6	6	5	4	3	5	9
	Submersible Transf	0	0	1	0	0	0	2
	Switch	0	1	0	6	2	2	2
	Wire/Cable - Pri	45	53	57	52	57	53	37
	Wire/Cable - Sec	25	50	55	39	33	40	47
	Total - UG	187	190	191	197	215	196	197
	Total - Year	673	617	622	559	664	627	599

Note: Figures in red denote that the value exceeds the five-year average

TABLE 3.2.3 – 5-YEAR EASTERN EQUIPMENT FAILURES – BY TYPE AND EQUIPMENT FAILURE CODE (CONT.)

		Customers Affected by Year						
		2020	2021	2022	2023	2024	5 Yr Avg.	2025
Outage Type	**Equipment**							
Overhead	Arrester	2,340	59	261	280	77	603	139
	Capacitor	0	0	0	1,264	0	253	0
	Connecter/Splice - Pri	1,690	554	2,086	3,200	1,717	1,849	1,767
	Connecter/Splice - Sec	349	370	362	614	336	406	232
	Disconnect	0	6	0	112	74	38	0
	Electric Meter	8	8	23	6	3	10	0
	Fuse/Cutout/Eld	1,564	493	1,238	1,300	1,339	1,187	838
	GOAB	0	0	1,402	0	0	280	935
	Hardware/Pole	7,823	1,592	6,765	2,894	4,083	4,631	2,335
	Insulator	44	246	1,087	541	4	384	0
	O/H Step Transf	71	814	4	268	10	233	0
	O/H Transformer	984	3,797	3,002	1,950	1,015	2,150	1,913
	Recloser	251	847	0	0	0	220	0
	Riser Pole Cutout	261	37	179	995	89	312	35
	Splice/Junction - Sec	0	1	0	0	0	0	0
	Wire/Cable - Pri	15,092	10,003	4,406	8,171	8,181	9,171	20,690
	Wire/Cable - Sec	293	700	1,423	281	208	581	614
	Total - OH	30,770	19,527	22,238	21,876	17,136	22,309	29,498
Trans/Substa	Brkr/Kyle/Switch	2,417	573	0	3,586	0	1,315	0
	Buss	0	0	0	0	1,493	299	0
	Hardware/Pole/Tower	0	0	0	0	0	0	917
	Transformer	0	0	0	1,276	2,187	693	0
	Total - Trans/Substa	2,417	573	0	4,862	3,680	2,306	917
Underground	Arrester	1	0	0	0	0	0	0
	Boxpad/Silo/Vault	3	3	0	0	1	1	0
	Bushing	0	0	0	88	0	18	2
	Connecter/Splice - Sec	0	0	0	0	0	0	6
	Elbow	83	394	42	43	92	131	216
	Fuse/Cutout/Eld	0	0	0	0	36	7	0
	Hardeware/Pole	4	25	208	50	46	67	2
	Padmount Transf	1,324	527	624	724	976	835	1,150
	Splice/Junction - Pri	10	0	0	9	111	26	23
	Splice/Junction - Sec	20	51	23	118	36	50	37
	Stress Cone	6	534	204	23	8	155	78
	Submersible Transf	0	0	1	0	0	0	6
	Switch	0	2	0	158	20	36	9
	Wire/Cable - Pri	1,617	2,386	1,547	1,846	3,946	2,268	2,532
	Wire/Cable - Sec	1,870	98	117	74	96	451	98
	Total - UG	4,938	4,020	2,766	3,133	5,368	4,045	4,159
	Total - Year	38,125	24,120	25,004	29,871	26,184	28,661	34,574

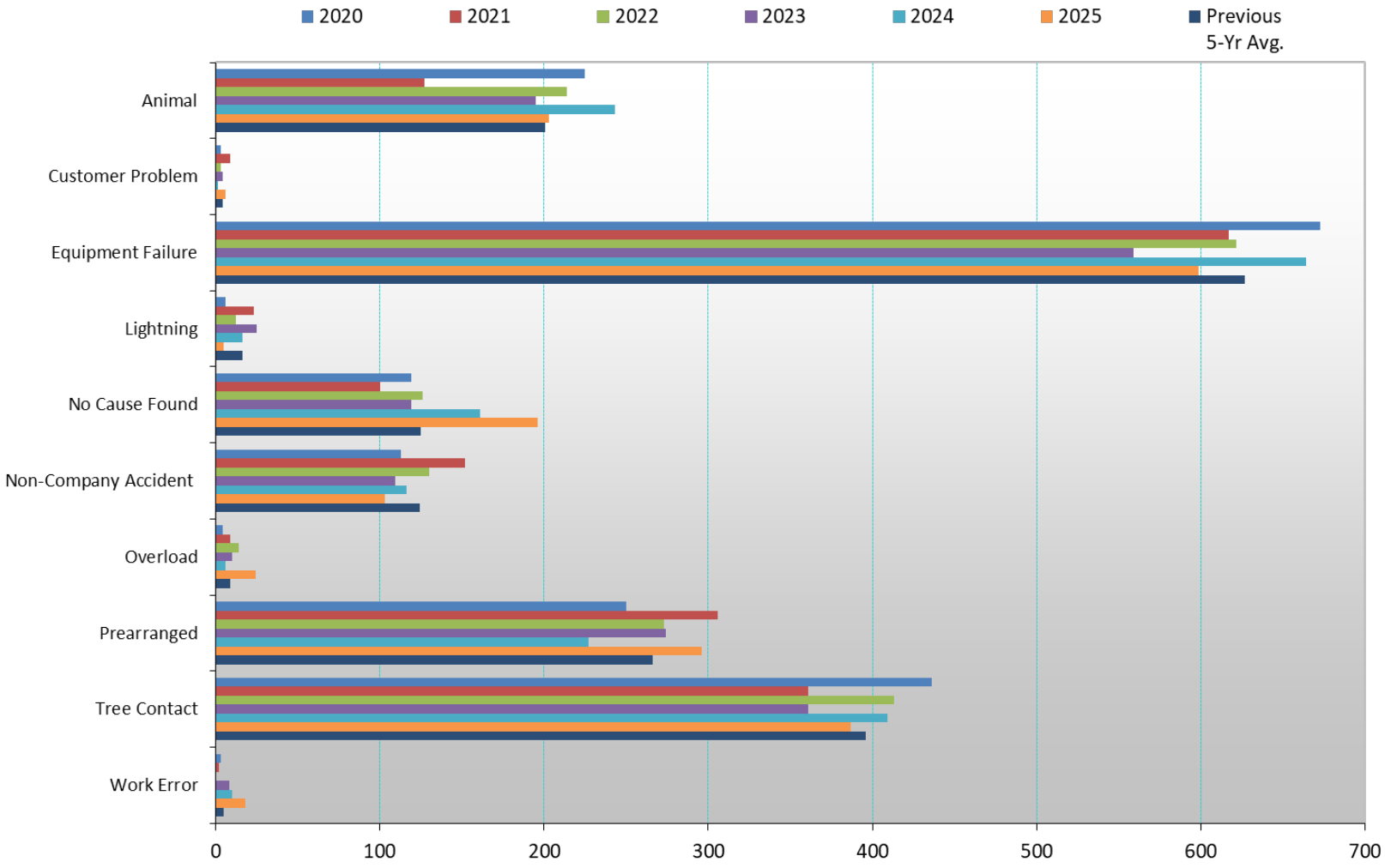
Note: Figures in red denote that the value exceeds the five-year average

TABLE 3.2.4 – 5-YEAR EASTERN EQUIPMENT FAILURES – BY TYPE AND EQUIPMENT FAILURE CODE (CONT.)

		Total Minutes of Interruption by Year						
		2020	2021	2022	2023	2024	5 Yr Avg.	2025
Outage Type	**Equipment**							
Overhead	Arrester	262,884	6,113	38,300	20,169	12,559	68,005	18,487
	Capacitor	0	0	0	7,584	0	1,517	0
	Connecter/Splice - Pri	164,649	73,339	186,031	290,823	101,851	163,339	56,323
	Connecter/Splice - Sec	77,320	64,922	60,878	67,079	64,156	66,871	24,814
	Disconnect	0	1,620	0	17,808	5,550	4,996	0
	Electric Meter	3,348	1,725	2,880	1,783	576	2,062	0
	Fuse/Cutout/Eld	102,911	43,141	58,828	27,519	203,097	87,099	67,515
	GOAB	0	0	20,954	0	0	4,191	24,816
	Hardware/Pole	333,024	140,850	341,770	138,770	170,769	225,037	81,108
	Insulator	7,040	22,485	60,956	57,498	640	29,724	0
	O/H Step Transf	13,588	170,080	1,052	23,619	318	41,731	0
	O/H Transformer	188,580	656,967	169,931	74,243	154,231	248,790	234,019
	Recloser	16,566	11,633	0	0	0	5,640	0
	Riser Pole Cutout	101,001	5,355	20,294	28,334	36,531	38,303	7,911
	Splice/Junction - Sec	0	292	0	0	0	58	0
	Wire/Cable - Pri	1,112,058	882,837	299,901	423,388	376,199	618,877	978,213
	Wire/Cable - Sec	51,771	54,985	62,442	40,595	31,421	48,243	52,792
	Total - OH	2,434,740	2,136,344	1,324,217	1,219,212	1,157,898	1,654,482	1,545,998
Trans/Substa	Brkr/Kyle/Switch	232,561	4,584	0	35,860	0	54,601	0
	Buss	0	0	0	0	24,032	4,806	0
	Hardware/Pole/Tower	0	0	0	0	0	0	26,795
	Transformer	0	0	0	34,539	15,309	9,970	0
	Total - Trans/Substa	232,561	4,584	0	70,399	39,341	69,377	26,795
Underground	Arrester	452	0	0	0	0	90	0
	Boxpad/Silo/Vault	2,027	1,413	0	0	185	725	0
	Bushing	0	0	0	12,088	0	2,418	884
	Connecter/Splice - Sec	0	0	0	0	0	0	2,448
	Elbow	23,789	144,928	21,228	9,959	36,262	47,233	72,032
	Fuse/Cutout/Eld	0	0	0	0	6,588	1,318	0
	Hardeware/Pole	1,874	4,225	38,016	15,824	8,810	13,750	30
	Padmount Transf	217,925	110,919	205,774	205,602	267,845	201,613	295,257
	Splice/Junction - Pri	2,278	0	0	12,183	18,340	6,560	4,136
	Splice/Junction - Sec	7,492	10,816	5,917	12,341	9,533	9,220	9,292
	Stress Cone	1,972	112,293	35,055	2,695	2,814	30,966	34,186
	Submersible Transf	0	0	226	0	0	45	552
	Switch	0	1,355	0	56,640	3,218	12,243	5,820
	Wire/Cable - Pri	547,737	682,341	601,528	469,164	701,550	600,464	422,913
	Wire/Cable - Sec	82,493	42,183	42,535	33,092	37,729	47,606	32,058
	Total - UG	888,039	1,110,473	950,279	829,588	1,092,874	974,251	879,608
	Total - Year	3,555,340	3,251,401	2,274,496	2,119,199	2,290,113	2,698,110	2,452,401

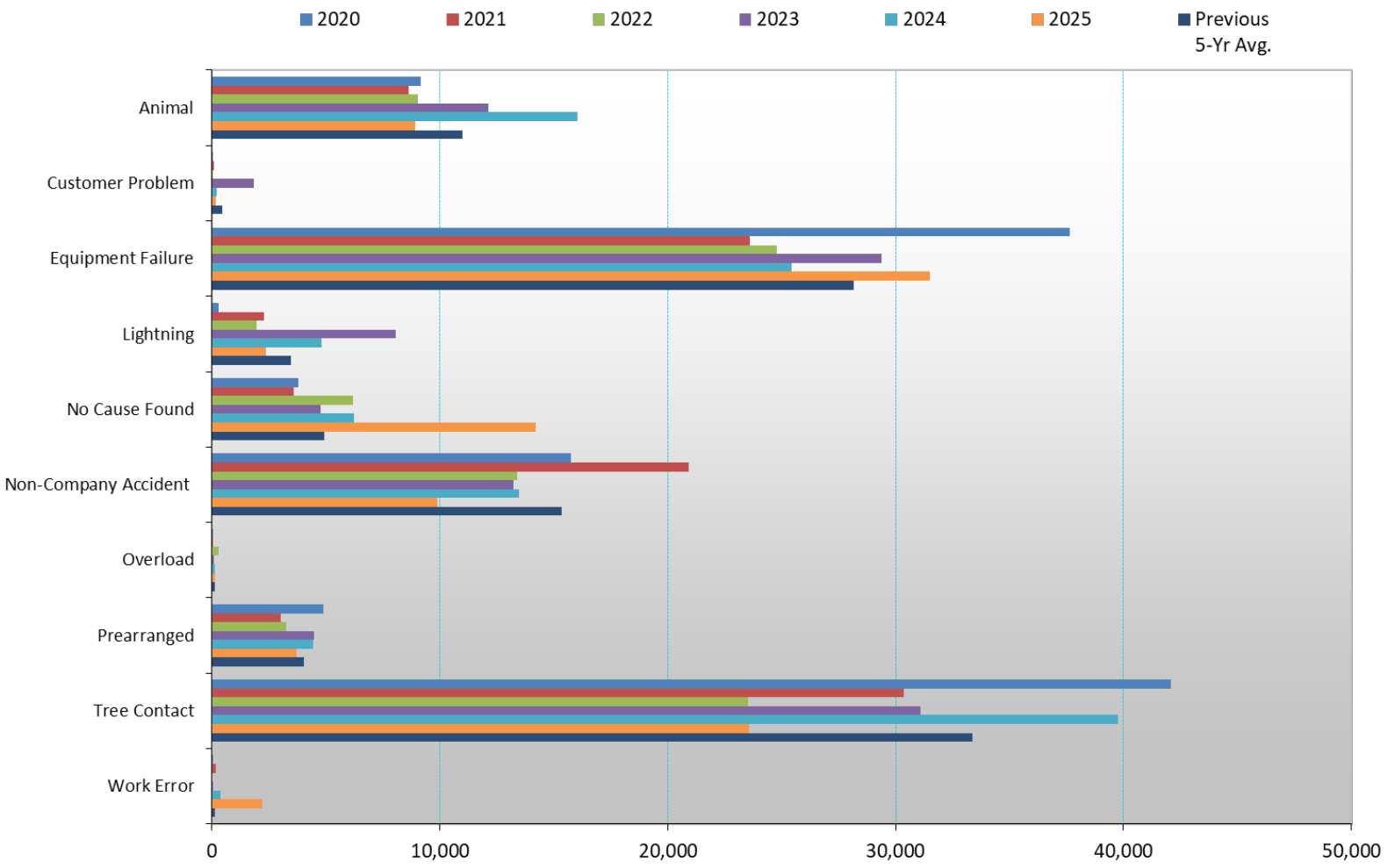
Note: Figures in red denote that the value exceeds the five-year average

FIGURE 3.2.5 – 5-YEAR COMPARISON – NUMBER OF INTERRUPTIONS BY MAJOR CAUSE - EASTERN DIVISION



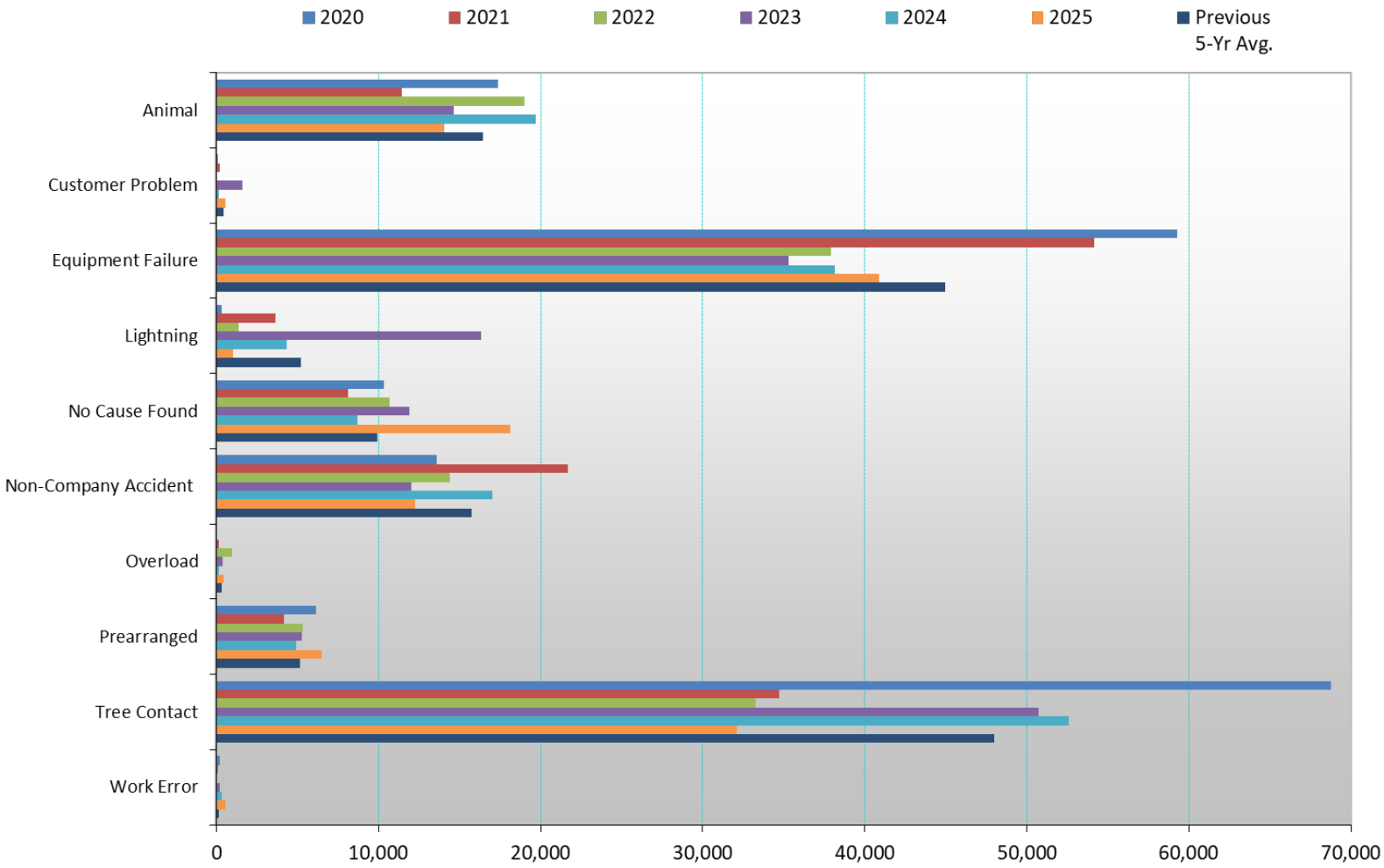
Includes Partial Powers, Single No Lights
Excludes Storm Activity

FIGURE 3.2.6 – 5-YEAR COMPARISON – CUSTOMERS AFFECTED BY MAJOR CAUSE - EASTERN DIVISION



Includes Partial Powers, Single No Lights
Excludes Storm Activity

FIGURE 3.2.7 – 5-YEAR COMPARISON – CUSTOMER-HOURS OF INTERRUPTIONS BY MAJOR CAUSE - EASTERN DIVISION



Includes Partial Powers, Single No Lights
Excludes Storm Activity

TABLE 3.2.5 – 5-YR COMPARISON – LARGE OUTAGE (>5,000 CUSTOMERS) IMPACT ON SAIFI, CAIDI & SAIDI

Eastern Division Without Storms
Effect of Interruptions Affecting 5,000 or more Customers

YEAR	CUSTOMERS SERVED (CS)	# OF INTERRUPTIONS	CUSTOMERS AFFECTED (CA)	CUSTOMER MINUTES OF INTERRUPTION (CM)	FREQUENCY (CA/CS)	RESTORATION (CH/CA)	DURATION (CH/CS)
WITHOUT STORMS							
2020	117,766	1,832	113,644	10,571,507	0.96	1.55	1.50
2021	118,722	1,706	92,661	8,312,171	0.78	1.50	1.17
2022	119,257	1,807	82,493	7,381,210	0.69	1.49	1.03
2023	120,350	1,664	105,152	8,905,778	0.87	1.41	1.23
2024	121,819	1,853	110,974	8,763,381	0.91	1.32	1.20
5-Yr Average	**119,583**	**1,772**	**100,985**	**8,786,809**	**0.84**	**1.45**	**1.22**
2025	122,597	1,837	96,680	7,588,147	0.79	1.31	1.03

WITHOUT STORMS - OUTAGES AFFECTING > 5000 CUSTOMERS

YEAR	SERVED	INTERR's	CUST AFF	CUST MIN
2020	117,766	0	0	0
2021	118,722	0	0	0
2022	119,257	0	0	0
2023	120,350	1	5,098	258,525
2024	121,819	0	0	0
5-Yr Average	**119,583**	**0**	**1,020**	**51,705**
2025	122,597	0	0	0

WITHOUT STORMS AND WITHOUT THOSE OUTAGES AFFECTING > 5000 CUSTOMERS

2,020	117,766	1,832	113,644	10,571,507	0.96	1.55	1.50
2,021	118,722	1,706	92,661	8,312,171	0.78	1.50	1.17
2,022	119,257	1,807	82,493	7,381,210	0.69	1.49	1.03
2,023	120,350	1,663	100,054	8,647,253	0.83	1.44	1.20
2,024	121,819	1,853	110,974	8,763,381	0.91	1.32	1.20
5-Yr Average	119,583	**1,772**	**99,965**	**8,735,104**	**0.84**	**1.46**	**1.22**
2,025	122,597	1,837	96,680	7,588,147	0.79	1.31	1.03

3.3 Eastern Division Worst Performing Circuits

3.3.1 CIRCUIT 17-2-13

Circuit 17-2-13 was ranked first in the Eastern Division under the 2025 Circuit Priority Rating system. The circuit originates from the Hillburn Substation in Hillburn, New York, and serves 2,198 customers over approximately 20 circuit miles.

In 2025, the circuit experienced 28 interruptions, affecting 5,500 customers and resulting in 3,748.8 customer-hours of interruption. The table below identifies the one-year outage data associated with Circuit 17-2-13, grouped by cause.

One-Year Summary (1/1/2025 - 12/31/2025) 17-2-13						
Cause	**No. of Interruptions**	**Pct. of Interruptions**	**Customers Affected**	**Pct. of Customers Affected**	**Customer Hours**	**Pct. of Customer-Hours**
Animal: Bird	1	0.04	20	0.4	29.7	0.8
Animal: Other	1	0.04	43	0.8	93.2	2.5
Animal: Squirrel	1	0.04	3	0.1	7.2	0.2
Equipment Failure	16	0.57	5,038	91.6	2,574.9	68.7
No Cause Found	2	0.07	32	0.6	28.9	0.8
Non-Company Accident: MVC	2	0.07	56	1.0	178.5	4.8
Prearranged: Company	2	0.07	13	0.2	61.3	1.6
Tree Contact: In Trim Zone	3	0.11	295	5.4	775.1	20.7
Total	**28**		**5,500**		**3,748.8**	

In 2025, equipment failure was the primary contributor to circuit performance, accounting for 16 interruptions (57%), 5,038 customers affected (91.6%), and 2,574.9 customer-hours of interruption (68.7%). Tree contact within the trim zone accounted for three interruptions (11%), affecting 295 customers (5.4%) and resulting in 775.1 customer-hours of interruption (20.7%).

In 2025, three incidents accounted for most the circuit's annual impact, representing 3,798 customers affected (69%) and 2,538 customer-hours of interruption (68%). These incidents consisted of two equipment failures and one tree contact event.

The largest event occurred on March 5, 2025, on Orange Avenue in Suffern, New York. This outage was the result of an equipment failure involving multiple sections of primary conductor down and accounted for 1,197 customer-hours of interruption (32% of the annual total).

The second largest event occurred on January 1, 2025, also on Orange Avenue in Suffern, New York, and was caused by tree contact resulting in multiple sections of primary conductor down. This event accounted for 752 customer-hours of interruption (20% of the annual total).

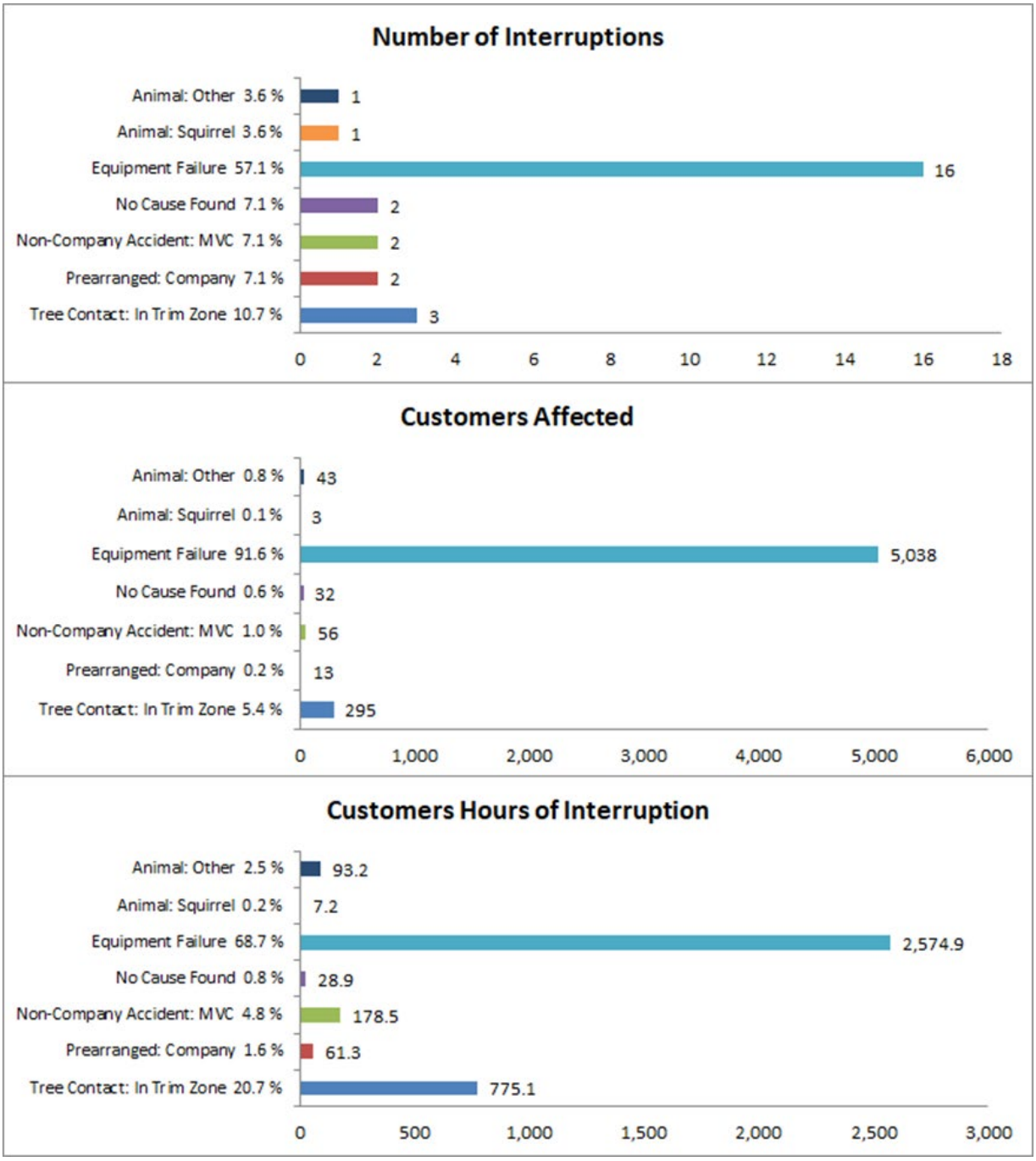
The third largest event occurred on September 5, 2025, on Rockland Terrace in Suffern, New York, and accounted for 589 customer-hours of interruption (16% of the annual total).

The remaining 25 interruptions were attributed to animal contacts (bird, other, and squirrel), additional equipment failures, no cause found events, non-Company motor vehicle accidents, prearranged Company outages, and tree contact within the trim zone. Collectively, these events accounted for 1,209 customer-hours of interruption (31% of the annual total).

In 2026, the Company has scheduled a detailed circuit patrol along with a Distribution Infrared Scan. The circuit will be thoroughly inspected for defective components, vegetation conditions, animal protection, and lightning protection. Identified deficiencies will be corrected following completion of the inspections.

17-2-13 At A Glance			
Circuit Stats			
	Count	**Rank Division**	**Rank Company**
Customers	2,198	6	20
Critical Customers	9	22	57
Circuit Miles	20.1	30	113
Customers/Mile	109	27	51
Connected kVA	49,624	1	1
Automation			
	Y/N	**Sister Circuit**	
Auto-Loop	Y	42-2-13 & 58-6-13	

GRAPH 3.3.1 – CIRCUIT 17-2-13 – ONE-YEAR PERFORMANCE



3.3.2 CIRCUIT 27-3-13

Circuit 27-3-13 was ranked second in the Eastern Division under the 2025 Circuit Priority Rating system. The circuit originates from the West Haverstraw Substation in Rockland County, New York, and serves 2,183 customers in New York.

In 2025, the circuit experienced 15 interruptions, affecting 3,516 customers and resulting in 9,185.7 customer-hours of interruption. The table below identifies the one-year outage data associated with Circuit 27-3-13, grouped by cause.

One-Year Summary (1/1/2025 - 12/31/2025) 27-3-13						
Cause	**No. of Interruptions**	**Pct. of Interruptions**	**Customers Affected**	**Pct. of Customers Affected**	**Customer Hours**	**Pct. of Customer-Hours**
Animal: Other	1	6.7	6	0.2	43.3	0.5
Animal: Squirrel	1	6.7	217	6.2	383.4	4.2
Equipment Failure	7	46.7	2,897	82.4	8,207.2	89.3
No Cause Found	2	13.3	228	6.5	344.7	3.8
Non-Company Accident: OH	1	6.7	63	1.8	59.9	0.7
Prearranged: Company	3	20.0	105	3.0	147.4	1.6
Total	**15**		**3,516**		**9,185.7**	

In 2025, equipment failure was the primary contributor to circuit performance, accounting for seven interruptions (46.7%), 2,897 customers affected (82.4%), and 8,207.2 customer-hours of interruption (89.3%).

One incident accounted for the majority of the circuit's annual impact, representing 76% of all customers affected and 84% of the total customer-hours of interruption. This incident was the result of an equipment failure and accounted for 7,701 customer-hours of interruption (84% of the annual total).

The largest event occurred on March 22, 2025, on Main Street in Haverstraw, New York. The outage was the result of a circuit lockout caused by phase-to-phase contact. Restoration time was extended due to the requirement for a substation electrician to verify the status of the station breaker prior to switching operations. This event accounted for 7,701 customer-hours of interruption (84% of the annual total).

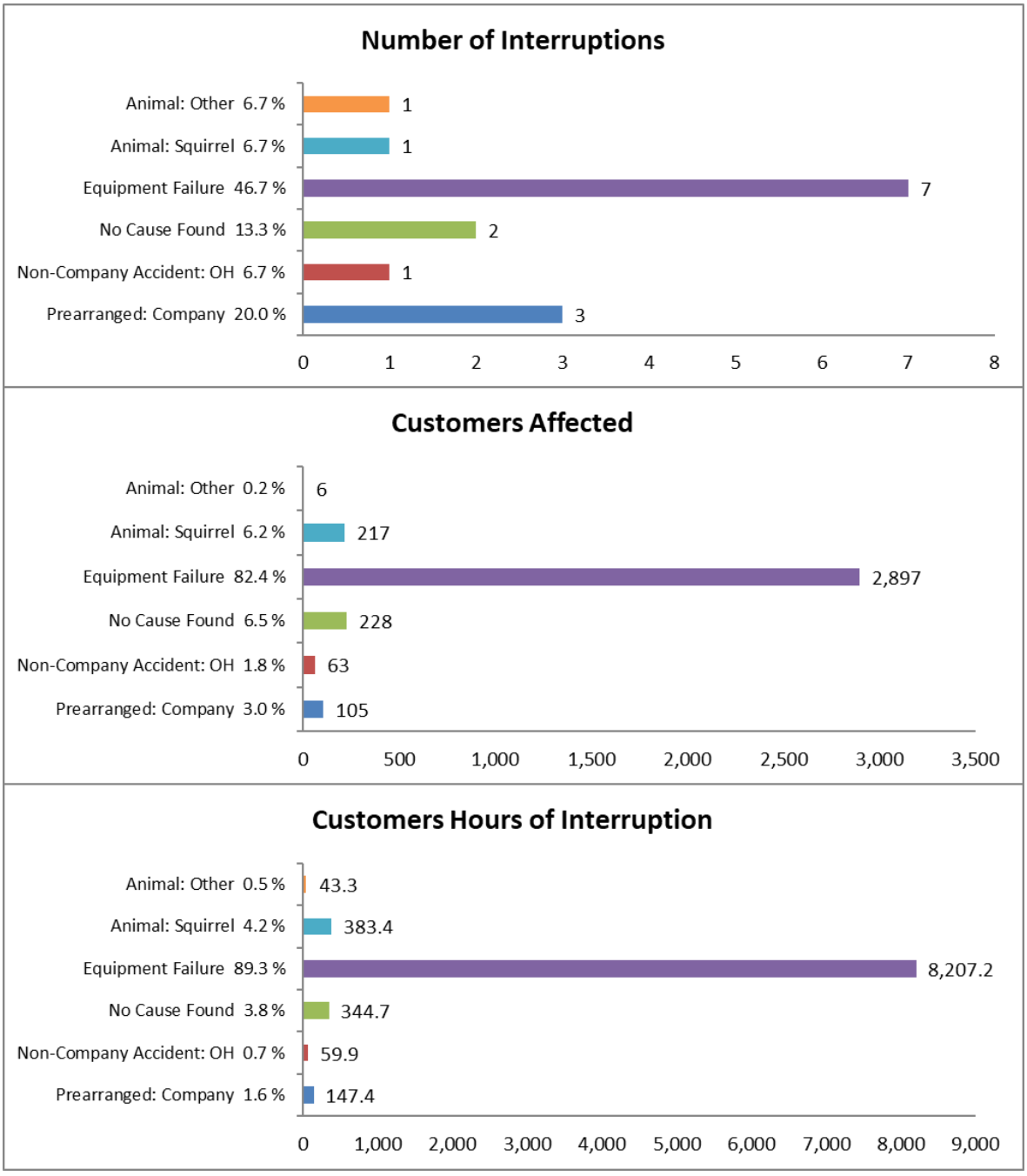
The remaining 14 interruptions were attributed to one animal contact (other), one animal contact (squirrel), seven additional equipment failures, two no cause found events, one non-Company accident (overhead), and three prearranged Company outages. Collectively, these events accounted for 1,483 customer-hours of interruption (16% of the annual total).

In 2026, the Company has scheduled a detailed circuit patrol along with a Distribution Infrared Scan. The circuit will be thoroughly inspected for defective components, vegetation conditions, animal

protection, and lightning protection. Identified deficiencies will be corrected following completion of the inspections.

27-3-13 At A Glance			
Circuit Stats			
	Count	**Rank Division**	**Rank Company**
Customers	2,183	9	22
Critical Customers	16	3	16
Circuit Miles	11.1	66	196
Customers/Mile	197	6	11
Connected kVA	27,894	12	35
Automation			
	Y/N	**Sister Circuit**	
Auto-Loop	N	NA	

GRAPH 3.3.2 – CIRCUIT 27-3-13 – ONE-YEAR PERFORMANCE



3.3.3 CIRCUIT 51-6-13

Circuit 51-6-13 was ranked third in the Eastern Division under the 2025 Circuit Priority Rating system. The circuit originates from the Tallman Substation in Suffern, New York, and serves 1,331 customers over approximately 24 circuit miles.

In 2025, the circuit experienced 26 interruptions, affecting 2,993 customers and resulting in 3,925 customer-hours of interruption. The table below identifies the one-year outage data associated with Circuit 51-6-13, grouped by cause.

One-Year Summary (1/1/2025 - 12/31/2025) 51-6-13						
Cause	**No. of Interruptions**	**Pct. of Interruptions**	**Customers Affected**	**Pct. of Customers Affected**	**Customer Hours**	**Pct. of Customer-Hours**
Animal: Bird	1	3.8	101	3.4	218.8	5.6
Animal: Other	1	3.8	13	0.4	23.2	0.6
Animal: Squirrel	2	7.7	26	0.9	73.3	1.9
Branch Contact: In Trim Zone	1	3.8	27	0.9	56.3	1.4
Equipment Failure	2	7.7	30	1.0	23.7	0.6
No Cause Found	4	15.4	284	9.5	695.4	17.7
Non-Company Accident: MVC	2	7.7	201	6.7	141.9	3.6
Overload: Company	2	7.7	8	0.3	25.2	0.6
Prearranged: Company	2	7.7	21	0.7	8.7	0.2
Tree Contact: In Trim Zone	8	30.8	961	32.1	1,546.9	39.4
Tree Contact: Out of Trim Zone	1	3.8	1,321	44.1	1,111.9	28.3
Total	**26**		**2,993**		**3,925.2**	

In 2025, four incidents accounted for 2,421 customers affected (81%) and 3,234 customer-hours of interruption (82%) for the year. These incidents consisted of three tree contact events and one no cause found event.

The largest event occurred on October 13, 2025, on Haverstraw Road in Suffern, New York. This outage was the result of tree contact within the trim zone, during which a tree brought down multiple sections of primary conductor. The event accounted for 1,111 customer-hours of interruption (28% of the annual total).

The second largest event occurred on July 8, 2025, on Haverstraw Road in Montebello, New York, and was caused by tree contact resulting in a broken pole. This event accounted for 1,043 customer-hours of interruption (27% of the annual total).

The third largest event occurred on August 1, 2025, on Haverstraw Road in Montebello, New York. This outage involved multiple sections of primary conductor down for which no definitive cause was identified and accounted for 637 customer-hours of interruption (16% of the annual total).

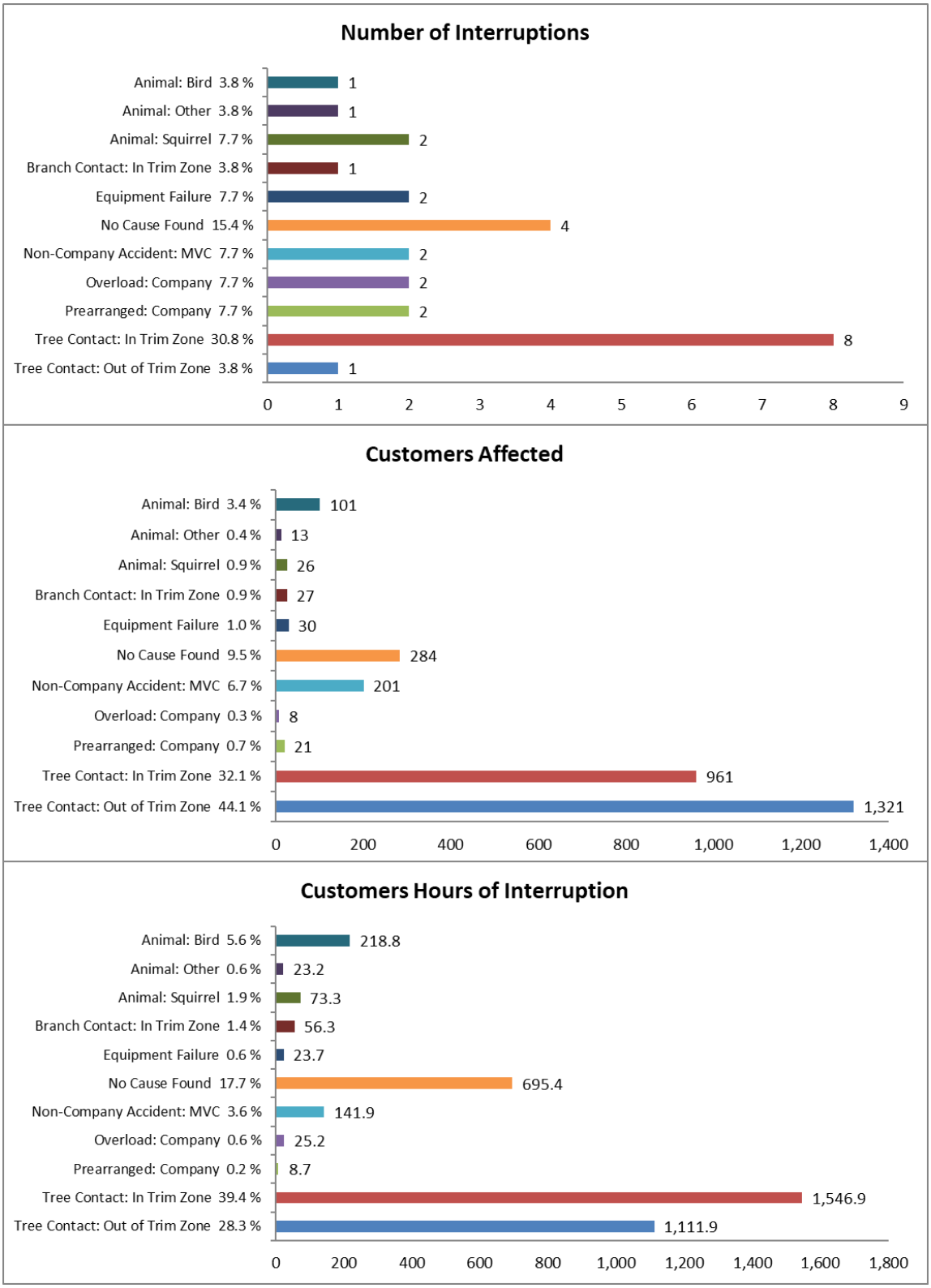
The fourth largest event occurred on September 6, 2025, on Haverstraw Road in Suffern, New York, and was caused by a large tree contacting the three-phase mainline primary conductor. This event accounted for 441 customer-hours of interruption (11% of the annual total).

The remaining 22 interruptions were attributed to animal contacts (bird, other, and squirrel), branch contact within the trim zone, additional equipment failures, no cause found events, non-Company motor vehicle collision, Company overloads, prearranged Company outages, and additional tree contact events within the trim zone. Collectively, these events accounted for 690 customer-hours of interruption (18% of the annual total).

In 2026, the Company has scheduled a detailed circuit patrol along with a Distribution Infrared Scan. The circuit will be thoroughly inspected for defective components, vegetation conditions, animal protection, and lightning protection. Identified deficiencies will be corrected following completion of the inspections.

51-6-13 At A Glance			
Circuit Stats			
	Count	**Rank Division**	**Rank Company**
Customers	1,331	42	98
Critical Customers	9	22	57
Circuit Miles	24.7	17	85
Customers/Mile	54	74	148
Connected kVA	13,615	79	200
Automation			
	Y/N	**Sister Circuit**	
Auto-Loop	Y	51-2-13	

GRAPH 3.3.3 – CIRCUIT 51-6-13 – ONE-YEAR PERFORMANCE



3.3.4 CIRCUIT 19-10-13

Circuit 19-10-13 was ranked fourth in the Eastern Division under the 2025 Circuit Priority Rating system. The circuit originates from the Burns Substation in Rockland County, New York, and serves 3,560 customers in New York.

In 2025, the circuit experienced 24 interruptions, affecting 3,949 customers and resulting in 3,100 customer-hours of interruption. The table below identifies the one-year outage data associated with Circuit 19-10-13, grouped by cause.

One-Year Summary (1/1/2025 - 12/31/2025) 19-10-13						
Cause	**No. of Interruptions**	**Pct. of Interruptions**	**Customers Affected**	**Pct. of Customers Affected**	**Customer Hours**	**Pct. of Customer-Hours**
Animal: Squirrel	2	8.3	151	3.8	298.3	9.6
Equipment Failure	8	33.3	3,456	87.5	1,502.2	48.5
No Cause Found	2	8.3	157	4.0	554.8	17.9
Non-Company Accident: MVC	1	4.2	4	0.1	5.5	0.2
Overload: Company	1	4.2	10	0.3	30.5	1.0
Prearranged: Company	10	41.7	171	4.3	708.7	22.9
Total	**24**		**3,949**		**3,100.0**	

In 2025, equipment failure was the primary contributor to circuit performance, accounting for eight interruptions (33.3%), 3,456 customers affected (87.5%), and 1,502.2 customer-hours of interruption (48.5%). Prearranged Company outages represented the highest number of interruptions, accounting for 10 interruptions (41.7%) and 708.7 customer-hours of interruption (22.9%).

Four incidents accounted for a significant portion of the circuit's annual impact, representing 1,410 customers affected (35%) and 2,191 customer-hours of interruption (71%). These incidents consisted of one prearranged Company outage, two equipment failures, and one no cause found event.

The largest event occurred on May 19, 2025, on Main Street in Spring Valley, New York. This outage was a prearranged Company outage associated with scheduled system improvement work and accounted for 661 customer-hours of interruption (21% of the annual total).

The second largest event occurred on June 23, 2025, on Widman Court in Spring Valley, New York, and was the result of an equipment failure caused by an overloaded transformer during a heat wave. This event accounted for 544 customer-hours of interruption (18% of the annual total).

The third largest event occurred on September 17, 2025, on Union Road in Spring Valley, New York. This outage was caused by an equipment failure resulting from Hendrix spacer cable burning apart and accounted for 506 customer-hours of interruption (16% of the annual total).

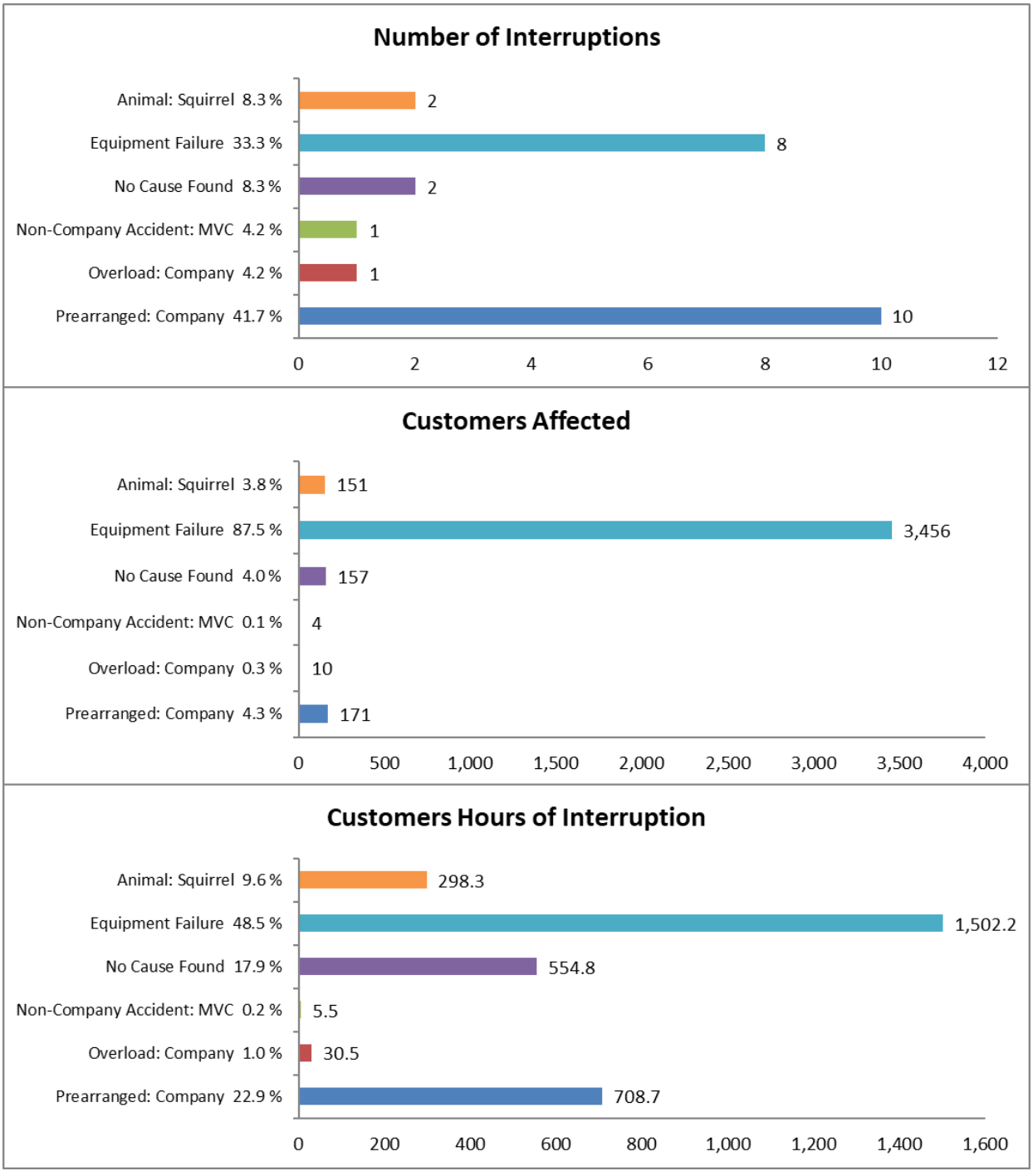
The fourth largest event occurred on August 13, 2025, on Main Street in Spring Valley, New York, and involved primary conductor down with no cause identified. This event accounted for 479 customer-hours of interruption (15% of the annual total).

The remaining 20 interruptions were attributed to animal contact (squirrel), additional equipment failures, no cause found events, a non-Company motor vehicle accident, a Company overload event, and additional prearranged Company outages. Collectively, these events accounted for 908 customer-hours of interruption (29% of the annual total).

In 2026, the Company has scheduled a detailed circuit patrol along with a Distribution Infrared Scan. The circuit will be thoroughly inspected for defective components, vegetation conditions, animal protection, and lightning protection. Identified deficiencies will be corrected following completion of the inspections.

19-10-13 At A Glance			
Circuit Stats			
	Count	**Rank Division**	**Rank Company**
Customers	3,437	1	1
Critical Customers	13	12	22
Circuit Miles	14.6	48	162
Customers/Mile	235	3	5
Connected kVA	29,477	9	28
Automation			
	Y/N	**Sister Circuit**	
Auto-Loop	Y	51-5-13	

GRAPH 3.3.4 – CIRCUIT 19-10-13 – ONE-YEAR PERFORMANCE



3.3.5 CIRCUIT 45-9-13

Circuit 45-9-13 was ranked fifth in the Eastern Division under the 2025 Circuit Priority Rating system. The circuit originates from the New Hempstead Substation in New City, New York, and serves 1,682 customers over approximately 24 circuit miles.

In 2025, the circuit experienced 26 interruptions, affecting 2,187 customers and resulting in 1,678.7 customer-hours of interruption. The table below identifies the one-year outage data associated with Circuit 45-9-13, grouped by cause.

One-Year Summary (1/1/2025 - 12/31/2025) 45-9-13						
Cause	**No. of Interruptions**	**Pct. of Interruptions**	**Customers Affected**	**Pct. of Customers Affected**	**Customer Hours**	**Pct. of Customer-Hours**
Animal: Bird	4	15.4	99	4.5	141.1	8.4
Animal: Squirrel	6	23.1	341	15.6	310.7	18.5
Customer Problem	1	3.8	7	0.3	9.3	0.6
Equipment Failure	8	30.8	1,061	48.5	631.4	37.6
No Cause Found	2	7.7	51	2.3	115.1	6.9
Non-Company Accident: OH	1	3.8	5	0.2	10.3	0.6
Non-Company Accident: MVC	2	7.7	614	28.1	443.8	26.4
Prearranged: Company	1	3.8	7	0.3	8.3	0.5
Tree Contact: In Trim Zone	1	3.8	2	0.1	8.6	0.5
Total	**26**		**2,187**		**1,678.7**	

In 2025, equipment failure was the primary contributor to circuit performance, accounting for eight interruptions (30.8%), 1,061 customers affected (48.5%), and 631.4 customer-hours of interruption (37.6%). Non-Company motor vehicle accidents accounted for two interruptions (7.7%), affecting 614 customers (28.1%) and resulting in 443.8 customer-hours of interruption (26.4%).

Four incidents accounted for the majority of the circuit's annual impact, representing 1,742 customers affected (80%) and 1,018 customer-hours of interruption (61%). These incidents consisted of one equipment failure, two non-Company motor vehicle accidents, and one animal contact (squirrel).

The largest event occurred on March 29, 2025, on Red Hill Road in New City, New York. This outage was the result of an equipment failure involving a failed arrester on a GOAB and accounted for 413 customer-hours of interruption (25% of the annual total).

The second largest event occurred on May 25, 2025, on South Little Tor Road in New City, New York, and was caused by a non-Company motor vehicle accident resulting in a snapped pole. This event accounted for 284 customer-hours of interruption (17% of the annual total).

The third largest event occurred on July 4, 2025, on Old Middletown Road in New City, New York, and was caused by animal contact (squirrel) beyond a fused cutout. This event accounted for 160 customer-hours of interruption (10% of the annual total).

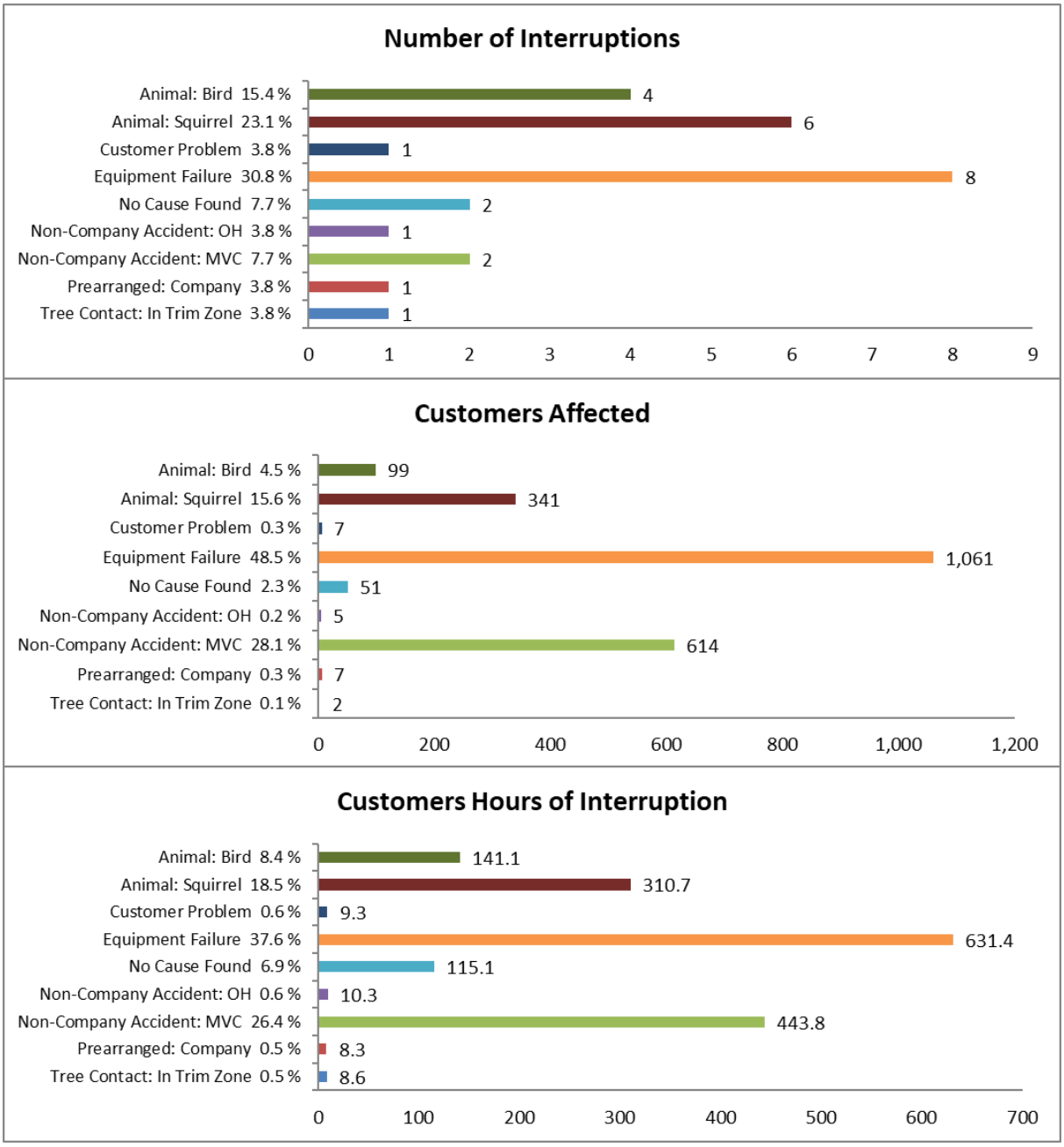
The fourth largest event occurred on May 26, 2025, also on South Little Tor Road in New City, New York, and was the result of a non-Company motor vehicle accident resulting in a snapped pole. This event accounted for 159 customer-hours of interruption (10% of the annual total).

The remaining 22 interruptions were attributed to animal contacts (bird and squirrel), a customer problem, additional equipment failures, no cause found events, a non-Company accident (overhead), a prearranged Company outage, and tree contact events both within and outside the trim zone. Collectively, these events accounted for 659 customer-hours of interruption (39% of the annual total).

In 2026, the Company has scheduled a detailed circuit patrol along with a Distribution Infrared Scan. The circuit will be thoroughly inspected for defective components, vegetation conditions, animal protection, and lightning protection. Identified deficiencies will be corrected following completion of the inspections.

45-9-13 At A Glance			
Circuit Stats			
	Count	**Rank Division**	**Rank Company**
Customers	1,682	23	54
Critical Customers	5	46	122
Circuit Miles	24.3	19	88
Customers/Mile	69	57	108
Connected kVA	22,400	26	77
Automation			
	Y/N	**Sister Circuit**	
Auto-Loop	Y	24-12-13	

GRAPH 3.3.5 – CIRCUIT 45-9-13 – ONE-YEAR PERFORMANCE



4. CENTRAL DIVISION

4.1 2025 Divisional Performance

In 2025, the year-end SAIFI for the Central Division was 1.14 customers affected per customer served. This performance was better than the divisional standard of 1.40 and represented no change from the Division's 2024 performance, though still above the previous five-year average of 1.06. The year-end CAIDI of 1.86 customer-hours of interruption per customer affected was higher than the divisional standard of 1.75 and better than the previous five-year average of 1.87 and a 15% improvement compared to the Division's 2024 performance of 2.20. The monthly performance of these indices, from 2020 through 2025, are shown in Table 4.2.1.

Figures 4.2.1, 4.2.2, and 4.2.3 illustrate Central Division performance trends on a rolling 12-month basis from 2020 through 2025. The rolling 12-month number of interruptions in 2025 increased compared to 2024. Excludable days during the year impacted Central Division performance, with 5 excludable days attributable to weather events affecting the Division in 2025.

The rolling 12-month average number of customers affected in 2025 was 71,714, compared to 70,614 in 2024. A review of daily outage data indicates that customer-hours of interruption were seasonally concentrated in the spring and summer, with the highest impact observed during July.

Figure 4.2.4 presents a summary by cause of the number of interruptions, customers affected, and customer-hours of interruption experienced in 2025. Consistent with historical trends, equipment failure and tree contact were the primary contributors to interruptions. Partial power and single customer interruptions contributed to the total number of interruptions for both categories. Of the 392 interruptions in the tree contact category, 108 (28%) were attributable to partial power or single customer conditions. Of the 302 interruptions in the equipment failure category, 103 (34%) were attributable to partial power or single customer conditions. Both results were higher than the 2024 results.

Figures 4.2.5, 4.2.6, and 4.2.7 depict the annual contribution by major cause, the number of interruptions, customers affected, and customer-hours of interruption, respectively. Compared to 2024, the number of interruptions, customers affected, and customer-hours of interruption improved in equipment failure by 4%, 46%, and 44%, respectively. While tree contact interruptions, customers affected, and customer-hours of interruption increased by 7%, 43%, and 5%, respectively. Tree contact and equipment failure remained the largest contributors to interruptions in 2025.

As shown in Figure 4.2.6, customers affected increased in most major cause areas for 2025, while the number of interruptions (Figure 4.2.5) and customer minutes of interruption (Figure 4.2.7) both increased compared to 2024. Customers affected below and minutes of interruption were both above their respective five-year averages.

In 2025, there were no major outages in the Central Division affecting more than 5,000 customers. Table 4.2.5 summarizes the impact of large outages on SAIFI, CAIDI, and SAIDI. Storm statistics and analysis are provided in Appendix E.

The Central Division is served by 62 distribution circuits. Circuit priority ratings are provided in Appendix A. Of these circuits, 13 were excluded from evaluation due to serving fewer than 100 customers or experiencing fewer than three interruptions. Of the remaining circuits, 68% met the frequency standard and 45% met the restoration standard.

For the Central Division, $MAIFI_e$ in 2025 was 7.24, based on 63,507 customers served and a total of 459,945 momentary interruptions experienced by customers. This performance was better than 2024 and below the previous three-year average of 8.28. Currently, the Company calculates $MAIFI_e$ based on operations from the substation breaker that supplies the circuit.

4.2 List of Central Division Figures and Tables for 2025 Performance

Divisional Tables

Divisional Figures

Worst Performing Circuit Statistics by Cause (No. of Int., Customers Affected, Cust. -Hrs. of Int.)

TABLE 4.2.1 - 5-YEAR COMPARISON – FREQUENCY AND RESTORATION BY MONTH

CENTRAL DIVISION - NYS - ALL OUTAGES - WITHOUT STORMS
calculations for calendar year reliability goals

FREQUENCY - CUSTOMERS AFFECTED / CUSTOMERS SERVED

MONTH	2020	2021	2022	2023	2024	5 YR AVG	2025 ACTUAL Monthly	2025 ACTUAL Y-T-D
JAN	0.09	0.14	0.03	0.06	0.13	0.09	0.11	0.11
FEB	0.06	0.06	0.11	0.06	0.05	0.07	0.09	0.19
MAR	0.02	0.12	0.05	0.06	0.11	0.07	0.11	0.30
APR	0.06	0.05	0.10	0.11	0.03	0.07	0.06	0.36
MAY	0.03	0.11	0.05	0.05	0.06	0.06	0.08	0.44
JUN	0.09	0.17	0.09	0.12	0.15	0.12	0.07	0.51
JLY	0.11	0.09	0.11	0.21	0.19	0.14	0.19	0.70
AUG	0.02	0.15	0.12	0.08	0.11	0.09	0.05	0.75
SEP	0.07	0.08	0.15	0.13	0.09	0.10	0.08	0.83
OCT	0.10	0.09	0.06	0.09	0.05	0.08	0.12	0.94
NOV	0.03	0.15	0.10	0.09	0.08	0.09	0.09	1.04
DEC	0.03	0.11	0.04	0.06	0.10	0.07	0.10	1.14
YR END	0.71	1.32	1.02	1.13	1.14	1.06		1.14

RESTORATION - MINUTES OF INTERR / CUST AFFECTED

MONTH	2020	2021	2022	2023	2024	5 YR AVG	2025 ACTUAL Monthly	2025 ACTUAL Y-T-D
JAN	107.9	75.2	154.9	121.8	125.9	117.2	112.2	112.2
FEB	124.2	116.8	120.5	148.1	125.0	126.9	68.2	92.5
MAR	89.6	109.1	130.9	110.9	120.7	112.2	92.6	92.5
APR	107.2	85.1	55.8	85.9	188.4	104.5	154.6	102.6
MAY	114.5	126.5	171.7	127.2	87.1	125.4	135.8	108.7
JUN	137.0	48.7	106.5	117.1	118.3	105.5	133.3	112.1
JLY	173.8	111.1	160.4	130.8	122.2	139.7	146.4	121.3
AUG	80.2	98.5	117.6	118.1	94.5	101.8	157.3	123.9
SEP	153.2	151.8	89.1	86.4	143.8	124.9	120.1	123.6
OCT	75.7	85.7	112.9	75.6	148.4	99.7	88.4	119.2
NOV	161.7	63.7	106.1	106.1	239.0	135.3	58.4	113.8
DEC	54.7	82.4	124.3	80.1	132.4	94.8	90.8	111.7
YR END(Min)	121.9	91.0	114.8	108.9	131.9	113.7		111.7
YR END(Hr)	2.03	1.52	1.91	1.81	1.82	1.89		1.86

FIGURE 4.2.1 – 12 MONTH ROLLING AVERAGE - NUMBER OF INTERRUPTIONS

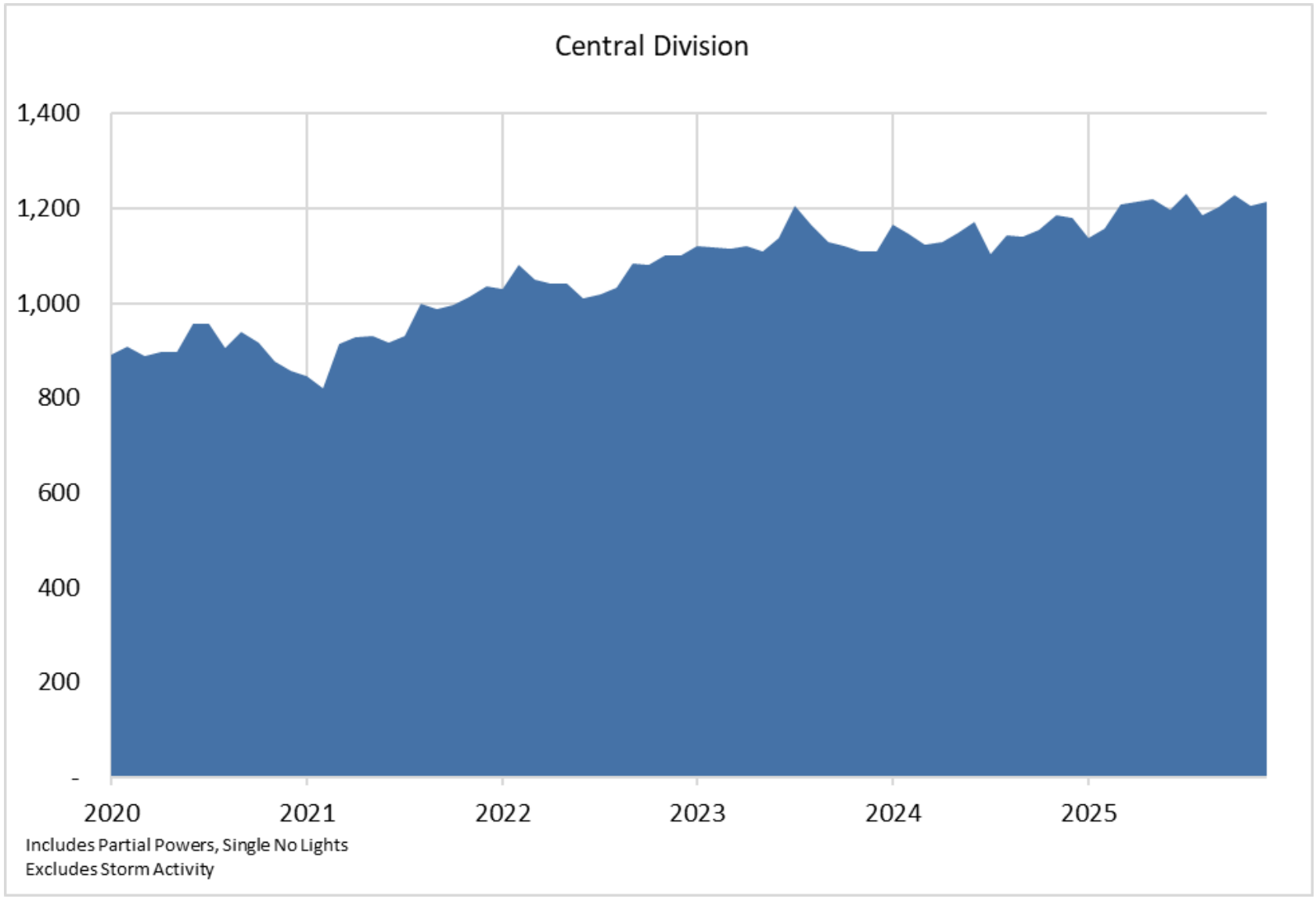


FIGURE 4.2.2 –12 MONTH ROLLING AVERAGE - CUSTOMERS AFFECTED

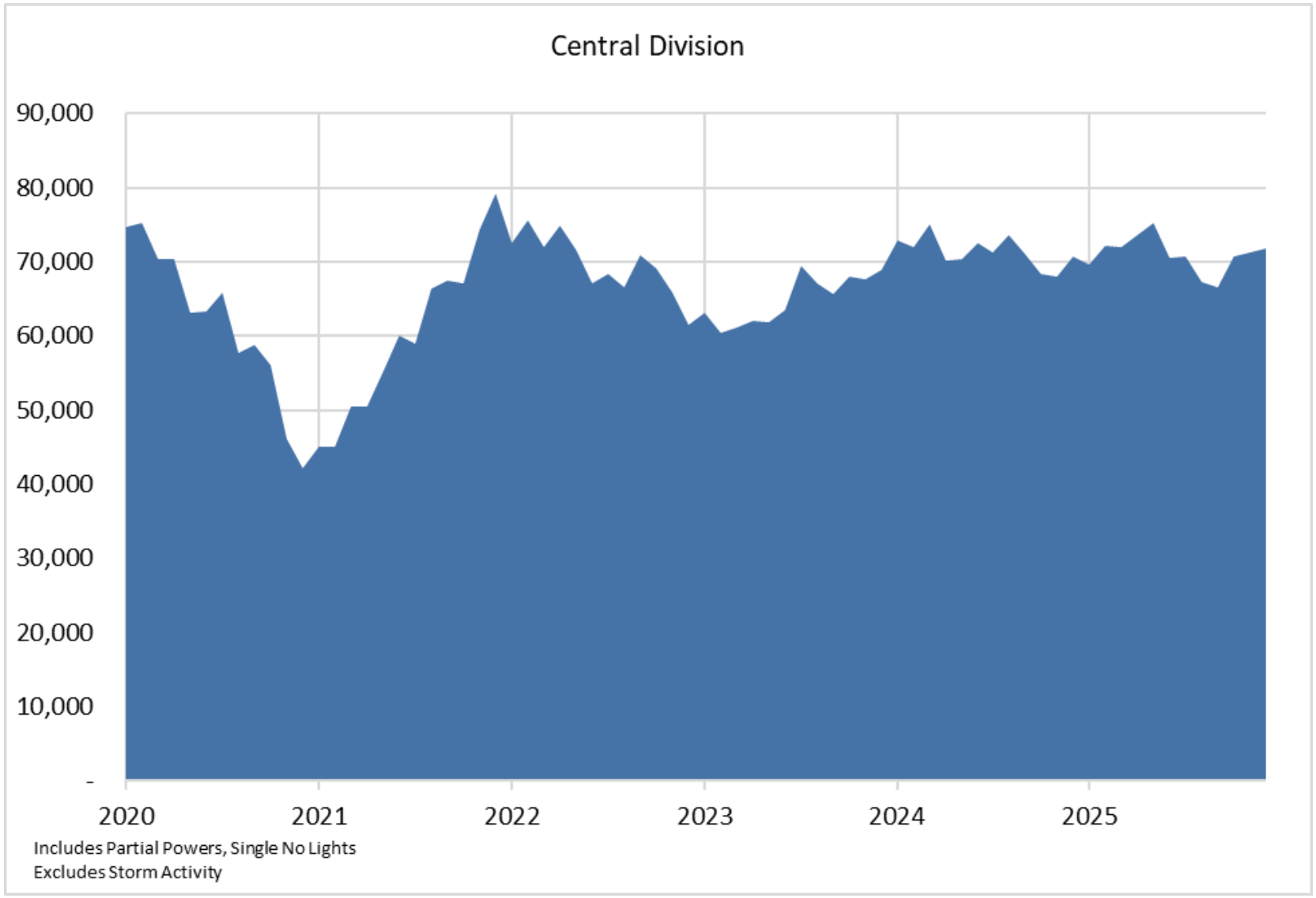


FIGURE 4.2.3 – 12 MONTH ROLLING AVERAGE - CUSTOMER-HOURS OF INTERRUPTIONS

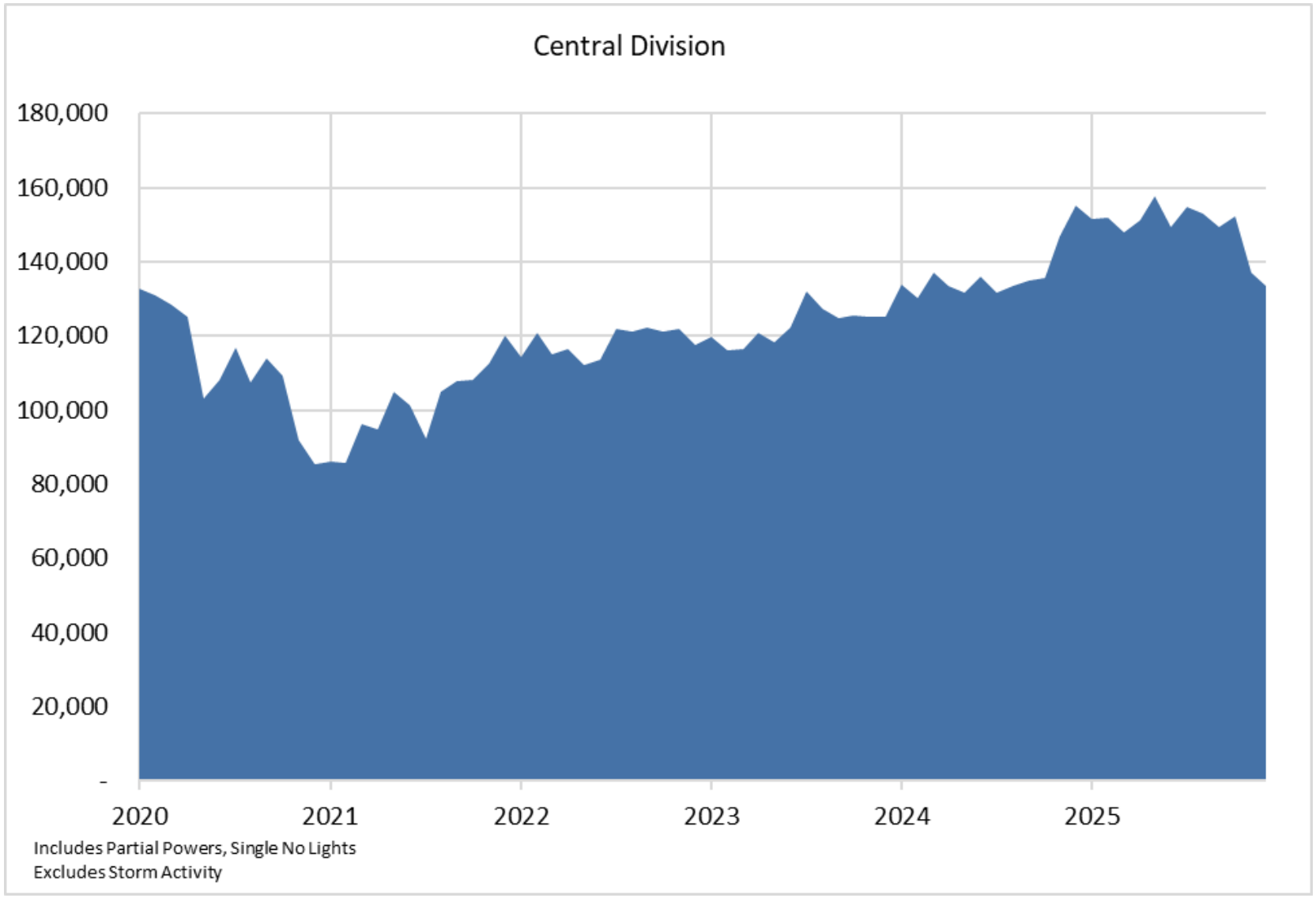


FIGURE 4.2.4 – OUTAGE STATISTICS BY CAUSE

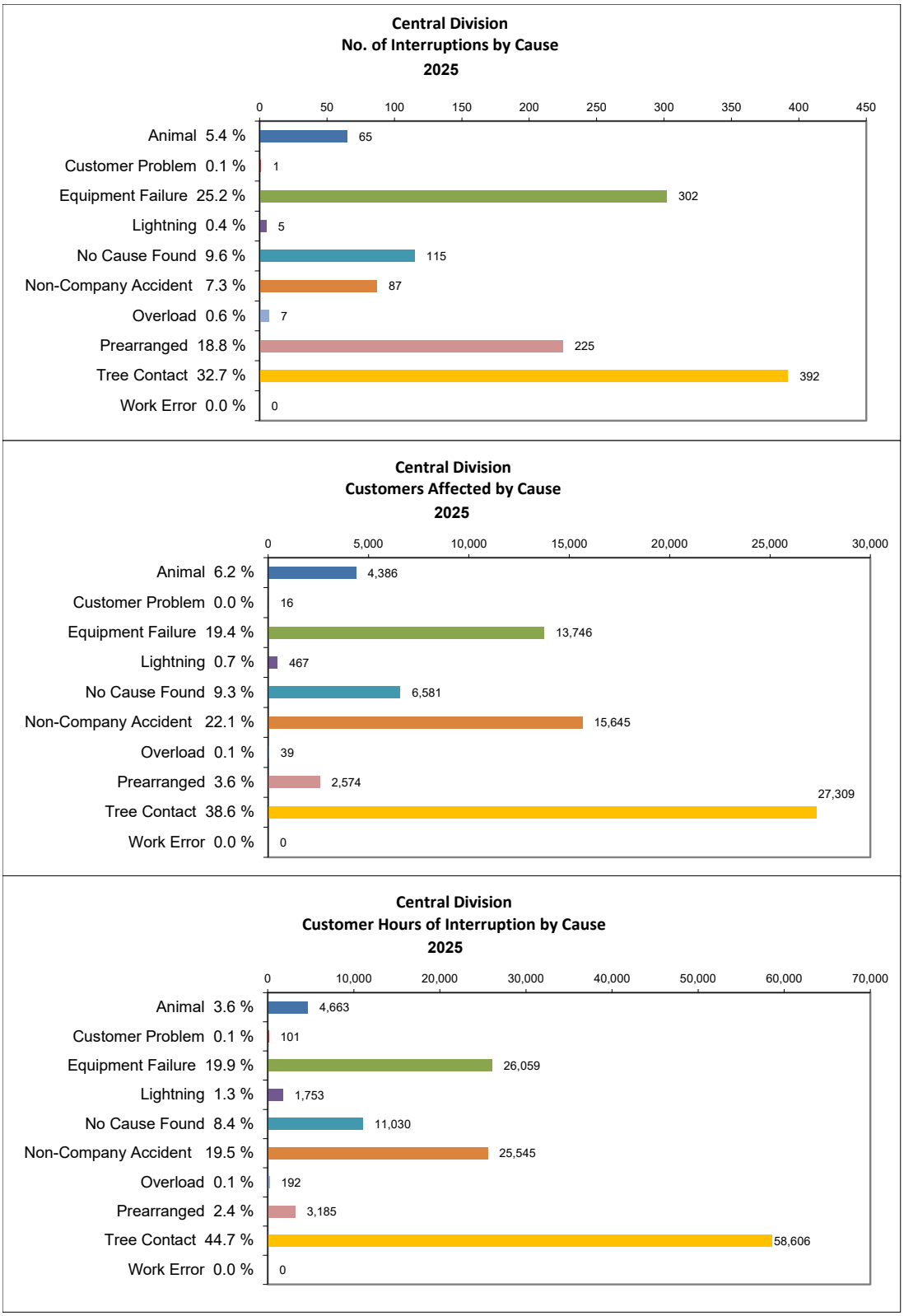


TABLE 4.2.2 – 5-YEAR CENTRAL EQUIPMENT FAILURES – BY TYPE AND EQUIPMENT FAILURE CODE

		Number of Interruptions By Year						
		2020	2021	2022	2023	2024	5 Yr. Avg	2025
Outage Type	**Equipment**							
Overhead	Arrester	4	4	4	3	2	3	6
	Connecter/Splice - Pri	8	8	9	13	12	10	17
	Connecter/Splice - Sec	42	37	40	44	35	40	29
	Disconnect	0	1	0	0	1	0	0
	Electric Meter	4	0	4	9	4	4	1
	Fuse/Cutout/Eld	8	6	15	29	23	16	14
	GOAB	0	0	0	0	0	0	0
	Hardware/Pole	14	22	20	16	24	19	22
	Insulator	1	0	1	2	0	1	1
	O/H Step Transf	1	4	2	2	0	2	1
	O/H Transformer	41	47	48	46	60	48	65
	Recloser	0	0	0	1	0	0	0
	Riser Pole Cutout	6	5	7	0	5	5	1
	Wire/Cable - Pri	36	44	20	12	22	27	30
	Wire/Cable - Sec	34	39	20	25	42	32	40
	Total - OH	199	217	190	202	230	207	227
Trans/Substa	Brkr/Kyle/Switch	6	0	2	0	1	2	2
	Cable	0	1	0	0	4	1	0
	Hardware/Pole/Tower	0	0	1	0	0	0	0
	Insulator	0	0	0	0	0	0	0
	Regulator	1	0	0	0	0	0	0
	Transformer	1	3	0	0	0	1	0
	Total - Trans/Substa	8	4	3	0	5	4	2
Underground	Arrester	0	0	0	1	1	0	2
	Boxpad/Silo/Vault	0	2	0	3	1	1	2
	Bushing	1	0	1	0	1	1	
	Elbow	2	1	3	3	3	2	2
	Electric Meter	0	0	0	0	0	0	1
	Hardeware/Pole	1	1	0	2	2	1	1
	Padmount Transf	23	28	46	25	25	29	14
	Splice/Junction - Pri	1	2	1	0	1	1	2
	Splice/Junction - Sec	5	11	3	5	7	6	5
	Stress Cone	3	0	1	3	4	2	4
	Switch	0	0	0	11	4	3	6
	Wire/Cable - Pri	14	22	26	9	20	18	21
	Wire/Cable - Sec	4	8	14	2	10	8	13
	Total - UG	54	75	95	64	79	72	73
	Total - Year	261	296	288	266	314	285	302

Note: Figures in red denote that the value exceeds the five-year average

TABLE 4.2.3 – 5-YEAR CENTRAL EQUIPMENT FAILURES – BY TYPE AND EQUIPMENT FAILURE CODE (CONT.)

		Customers Affected by Year						
		2020	2021	2022	2023	2024	5 Yr Avg.	2025
Outage Type	**Equipment**							
Overhead	Arrester	39	115	1,051	142	34	276	71
	Connecter/Splice - Pri	347	54	830	1,494	3,602	1,265	482
	Connecter/Splice - Sec	68	65	232	146	83	119	282
	Disconnect	0	1,930	0	0	4	387	0
	Electric Meter	4	0	4	21	4	7	1
	Fuse/Cutout/Eld	541	126	588	864	563	536	1,070
	GOAB	0	0	0	0	0	0	0
	Hardware/Pole	2,340	3,396	1,621	1,700	5,267	2,865	4,066
	Insulator	1	0	197	138	0	67	48
	O/H Step Transf	6	136	111	371	0	125	0
	O/H Transformer	367	582	1,751	656	3,920	1,455	109
	Recloser	0	0	0	946	0	189	748
	Riser Pole Cutout	21	22	99	0	34	35	0
	Wire/Cable - Pri	7,979	10,495	5,122	2,432	4,595	6,125	4
	Wire/Cable - Sec	193	123	44	1,559	144	413	4,390
	Total - OH	11,906	17,044	11,650	10,469	18,250	13,864	11,271
Trans/Substa	Brkr/Kyle/Switch	3,548	0	468	0	381	879	148
	Cable	0	326	0	0	3,872	840	0
	Hardware/Pole/Tower	0	0	1	0	0	0	0
	Insulator	0	0	0	0	0	0	0
	Regulator	301	0	0	0	0	60	0
	Transformer	699	419	0	0	0	224	0
	Total - Trans/Substa	4,548	745	469	0	4,253	2,003	148
Underground	Arrester	0	0	0	1	17	4	11
	Boxpad/Silo/Vault	0	81	0	14	188	57	143
	Bushing	19	0	6	0	1	5	0
	Elbow	304	10	150	126	463	211	170
	Electric Meter	0	0	0	0	0	0	1
	Hardeware/Pole	148	161	0	14	2	65	4
	Padmount Transf	310	1,249	486	344	130	504	46
	Splice/Junction - Pri	109	40	43	0	97	58	55
	Splice/Junction - Sec	12	98	3	11	92	43	58
	Stress Cone	20	0	6	42	116	37	57
	Switch	0	0	0	641	246	177	222
	Wire/Cable - Pri	545	1,200	1,936	697	1,224	1,120	2,608
	Wire/Cable - Sec	50	22	23	94	484	135	17
	Total - UG	1,517	2,861	2,653	1,984	3,060	2,415	3,392
	Total - Year	17,971	20,650	14,772	12,453	25,563	18,282	14,811

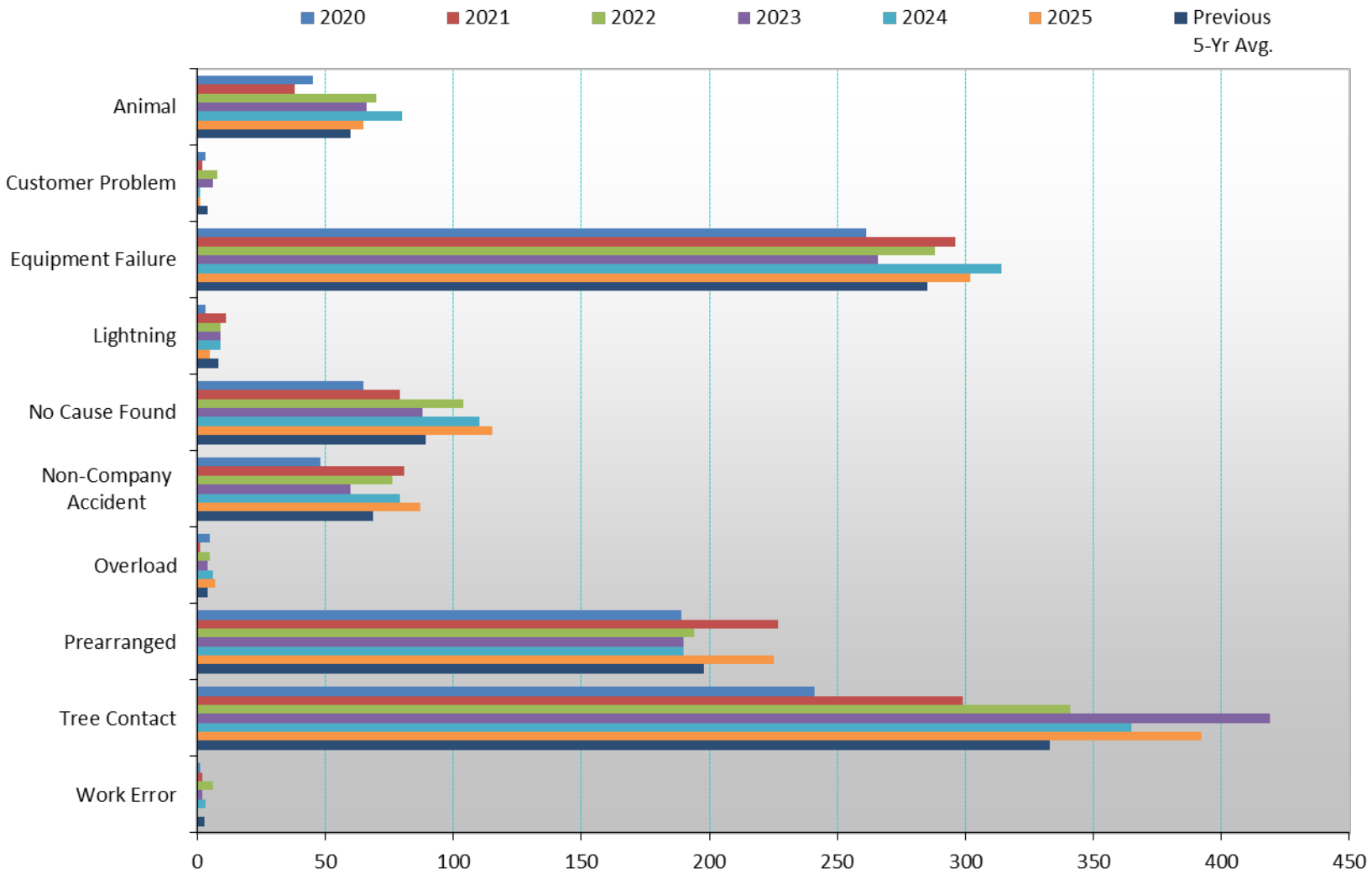
Note: Figures in red denote that the value exceeds the five-year average

TABLE 4.2.4 – 5-YEAR CENTRAL EQUIPMENT FAILURES – BY TYPE AND EQUIPMENT FAILURE CODE (CONT.)

		Total Minutes of Interruption by Year						
		2020	2021	2022	2023	2024	5 Yr Avg.	2025
Outage Type	Equipment							
Overhead	Arrester	6,473	8,566	46,725	35,628	3,514	20,181	15,675
	Connecter/Splice - Pri	17,414	8,417	83,186	83,234	171,656	72,781	85,407
	Connecter/Splice - Sec	14,591	9,684	32,338	16,081	21,642	18,867	39,792
	Disconnect	0	12,219	0	0	400	2,524	0
	Electric Meter	1,276	0	1,322	5,357	1,249	1,841	165
	Fuse/Cutout/Eld	41,696	11,616	37,154	121,279	111,749	64,699	123,257
	GOAB	0	0	0	0	0	0	0
	Hardware/Pole	266,970	181,196	138,312	118,865	602,539	261,576	154,287
	Insulator	133	0	13,568	46,572	0	12,055	14,750
	O/H Step Transf	2,952	58,564	42,750	57,875	0	32,428	42,292
	O/H Transformer	67,965	71,932	87,036	64,467	302,401	118,760	144,489
	Recloser	0	0	0	41,764	0	8,353	0
	Riser Pole Cutout	3,672	1,680	14,619	0	11,888	6,372	2,028
	Wire/Cable - Pri	994,169	729,214	833,865	186,942	673,826	683,603	319,163
	Wire/Cable - Sec	14,818	22,657	7,631	143,126	30,010	43,648	20,277
	Total - OH	1,432,129	1,115,745	1,338,506	921,190	1,930,874	1,347,689	961,582
Trans/Substa	Brkr/Kyle/Switch	110,999	0	20,967	0	7,239	27,841	1,702
	Cable	0	20,375	0	0	76,599	19,395	0
	Hardware/Pole/Tower	0	0	1,097	0	0	219	0
	Insulator	0	0	0	0	0	0	0
	Regulator	38,227	0	0	0	0	7,645	0
	Transformer	67,977	19,705	0	0	0	17,536	0
	Total - Trans/Substa	217,203	40,080	22,064	0	83,838	72,637	1,702
Underground	Arrester	0	0	0	344	4,845	1,038	6,992
	Boxpad/Silo/Vault	0	19,567	0	3,238	33,088	11,179	29,555
	Bushing	4,719	0	2,688	0	579	1,597	0
	Elbow	134,779	4,750	24,273	31,738	134,016	65,911	43,374
	Electric Meter	0	0	0	0	0	0	74
	Hardeware/Pole	60,088	31,073	0	2,900	1,054	19,023	312
	Padmount Transf	91,847	115,035	107,440	43,334	33,922	78,316	10,894
	Splice/Junction - Pri	59,393	19,020	17,243	0	33,853	25,902	9,951
	Splice/Junction - Sec	2,059	23,935	1,202	2,660	20,263	10,024	8,317
	Stress Cone	5,869	0	2,634	12,054	7,075	5,526	14,150
	Switch	0	0	0	169,619	37,147	41,353	30,712
	Wire/Cable - Pri	153,548	365,876	498,625	181,462	400,541	320,010	439,318
	Wire/Cable - Sec	6,390	9,048	8,513	48,443	71,522	28,783	6,601
	Total - UG	518,692	588,304	662,618	495,792	777,905	608,662	600,250
	Total - Year	2,168,024	1,744,129	2,023,188	1,416,982	2,792,617	2,028,988	1,563,534

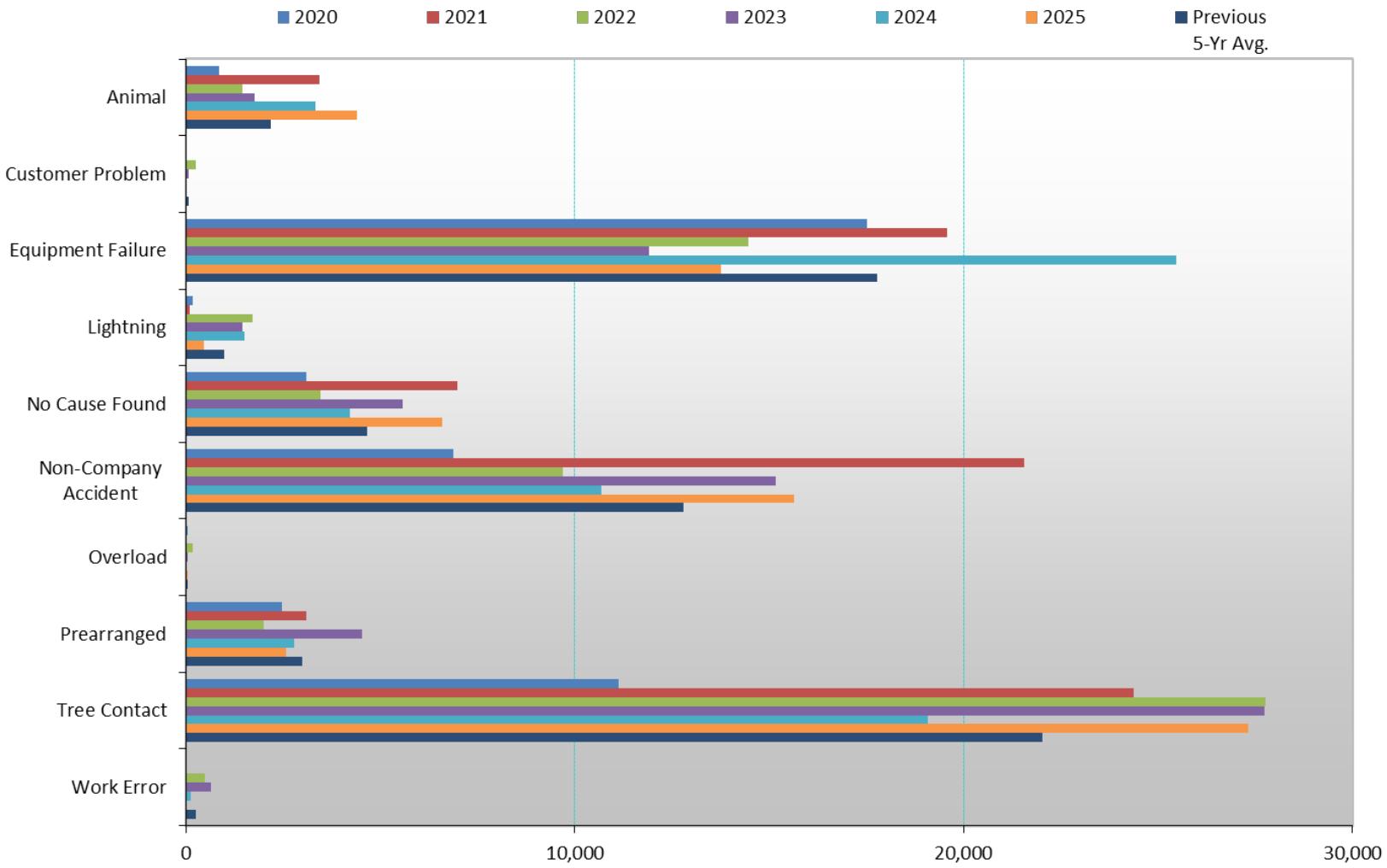
Note: Figures in red denote that the value exceeds the five-year average

FIGURE 4.2.5 – 5-YEAR COMPARISON - NUMBER OF INTERRUPTIONS BY MAJOR CAUSE - CENTRAL DIVISION



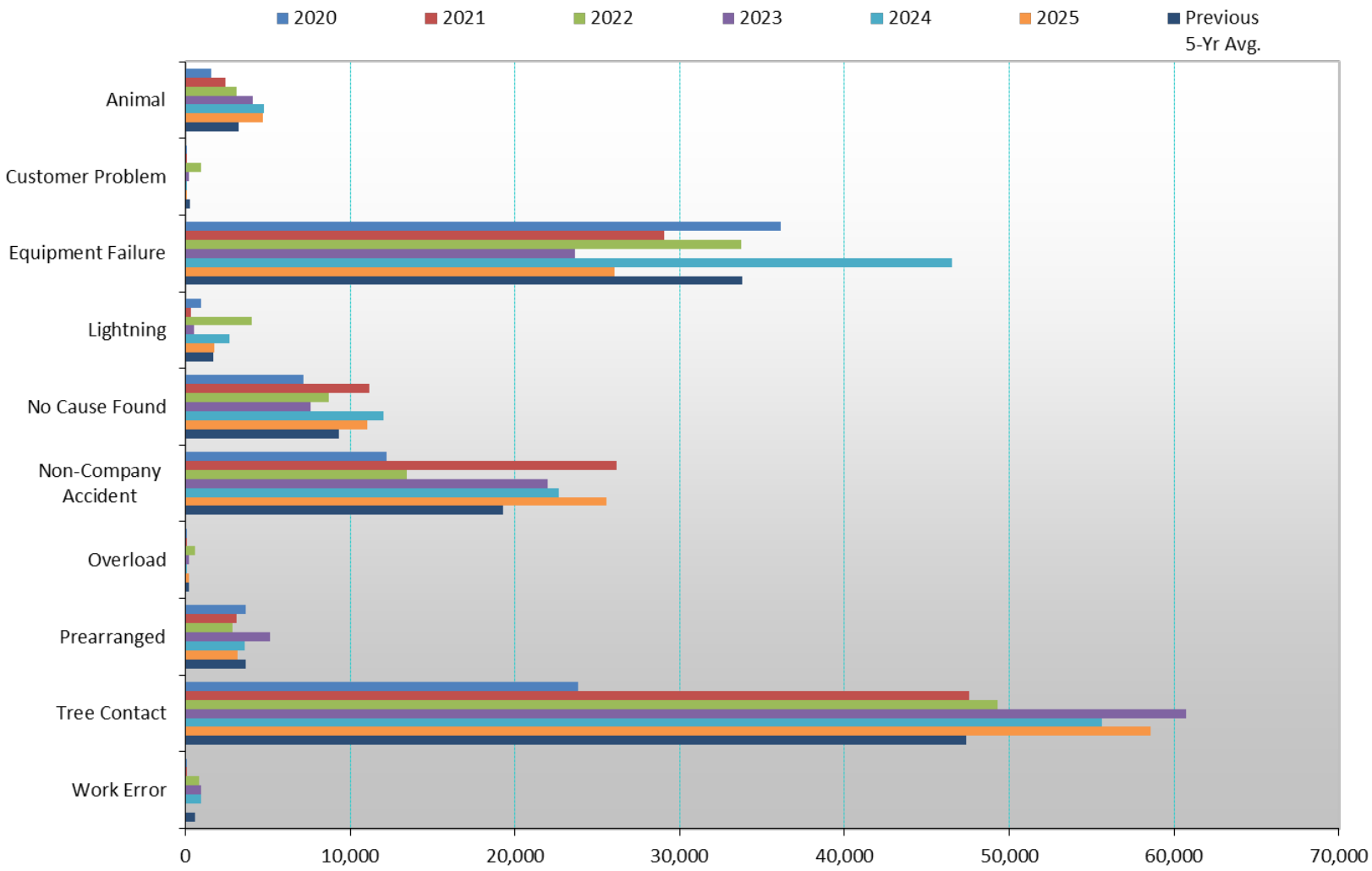
Includes Partial Powers, Single No Lights
Excludes Storm Activity

FIGURE 4.2.6 – 5-YEAR COMPARISON - CUSTOMERS AFFECTED BY MAJOR CAUSE - CENTRAL DIVISION



Includes Partial Powers, Single No Lights
Excludes Storm Activity

FIGURE 4.2.7 – 5-YEAR COMPARISON - CUSTOMER-HOURS OF INTERRUPTIONS BY MAJOR CAUSE - CENTRAL DIVISION



Includes Partial Powers, Single No Lights
Excludes Storm Activity

TABLE 4.2.5 – 5-YR COMPARISON - LARGE OUTAGE (>5,000 CUSTOMERS) IMPACT ON SAIFI, CAIDI & SAIDI

Central Division Without Storms
Effect of Interruptions Affecting 5,000 or more Customers

YEAR	CUSTOMERS SERVED (CS)	# OF INTERRUPTIONS	CUSTOMERS AFFECTED (CA)	CUSTOMER MINUTES OF INTERRUPTION (CM)	FREQUENCY (CA/CS)	RESTORATION (CH/CA)	DURATION (CH/CS)
WITHOUT STORMS							
2020	59,171	857	42,097	5,130,629	0.71	2.03	1.45
2021	59,839	1,036	79,104	7,197,548	1.32	1.52	2.00
2022	60,476	1,101	61,392	7,050,043	1.02	1.91	1.94
2023	61,074	1,110	68,867	7,497,610	1.13	1.81	2.05
2024	61,991	1,180	70,614	9,314,943	1.14	2.20	2.50
5-Yr Average	**60,510**	**1,057**	**64,415**	**7,238,154**	**1.06**	**1.87**	**1.99**
2025	63,107	1,213	71,714	8,013,042	1.14	1.86	2.12

WITHOUT STORMS - OUTAGES AFFECTING > 5000 CUSTOMERS

YEAR	SERVED	INTERR's	CUST AFF	CUST MIN
2020	59,171	0	0	0
2021	59,839	0	0	0
2022	60,476	0	0	0
2023	61,074	0	0	0
2024	61,991	0	0	0
5-Yr Average	**60,510**	**0**	**0**	**0**
2025	63,107	0	0	0

WITHOUT STORMS AND WITHOUT THOSE OUTAGES AFFECTING > 5000 CUSTOMERS

2020	59,171	857	42,097	5,130,629	0.71	2.03	1.45
2021	59,839	1,036	79,104	7,197,548	1.32	1.52	2.00
2022	60,476	1,101	61,392	7,050,043	1.02	1.91	1.94
2023	61,074	1,110	68,867	7,497,610	1.13	1.81	2.05
2024	61,991	1,180	70,614	9,314,943	1.14	2.20	2.50
5-Yr Average	**60,510**	**1,057**	**64,415**	**7,238,154**	**1.06**	**1.87**	**1.99**
2025	63,107	1,213	71,714	8,013,042	1.14	1.86	2.12

4.3 Central Division Worst Performing Circuits

4.3.1 CIRCUIT 80-2-13

Circuit 80-2-13 was ranked first in the Central Division under the 2025 Circuit Priority Rating system. The circuit originates from the Wisner Substation in Warwick, New York, and serves 1,813 customers over approximately 52.2 circuit miles.

In 2025, the circuit experienced 37 interruptions, affecting 3,537 customers and resulting in 5,825.2 customer-hours of interruption. The table below identifies the one-year outage data associated with Circuit 80-2-13, grouped by cause.

One-Year Summary (1/1/2025 - 12/31/2025) 80-2-13						
Cause	**No. of Interruptions**	**Pct. of Interruptions**	**Customers Affected**	**Pct. of Customers Affected**	**Customer Hours**	**Pct. of Customer-Hours**
Animal: Squirrel	1	2.7	18	0.5	59.6	1.0
Branch Contact: In Trim Zone	2	5.4	6	0.2	16.6	0.3
Equipment Failure	5	13.5	232	6.6	964.5	16.6
No Cause Found	7	18.9	777	22.0	1,724.8	29.6
Non-Company Accident: UG	1	2.7	2	0.1	13.1	0.2
Non-Company Accident: MVC	1	2.7	2	0.1	3.8	0.1
Prearranged: Company	7	18.9	28	0.8	28.1	0.5
Tree Contact: In Trim Zone	11	29.7	2,315	65.5	2,455.0	42.1
Tree Contact: Out of Trim Zone	1	2.7	27	0.8	241.2	4.1
Vine Contact	1	2.7	130	3.7	318.5	5.5
Total	**37**		**3,537**		**5,825.2**	

In 2025, tree contact within the trim zone was the primary contributor to circuit performance, accounting for 11 interruptions (29.7%), 2,315 customers affected (65.5%), and 2,455 customer-hours of interruption (42.1%).

Three incidents accounted for a significant portion of the circuit's annual impact, representing 2,224 customers affected (63%) and 2,047 customer-hours of interruption (35%). All three incidents were the result of tree contact within the trim zone.

The largest event occurred on May 22, 2025, on Blooms Corners Road in Warwick, New York. This outage was caused by a large tree contacting the primary conductors. The circuit was deenergized for safety to allow removal of the tree and repair of damaged equipment. This event accounted for 1,022 customer-hours of interruption (18% of the annual total).

The second largest event occurred on September 6, 2025, on Covered Bridge Road in Warwick, New York. This outage was the result of tree contact with the primary conductors that resulted in a broken pole. The circuit was deenergized for safety to remove the tree and complete repairs. This event accounted for 648 customer-hours of interruption (11% of the annual total).

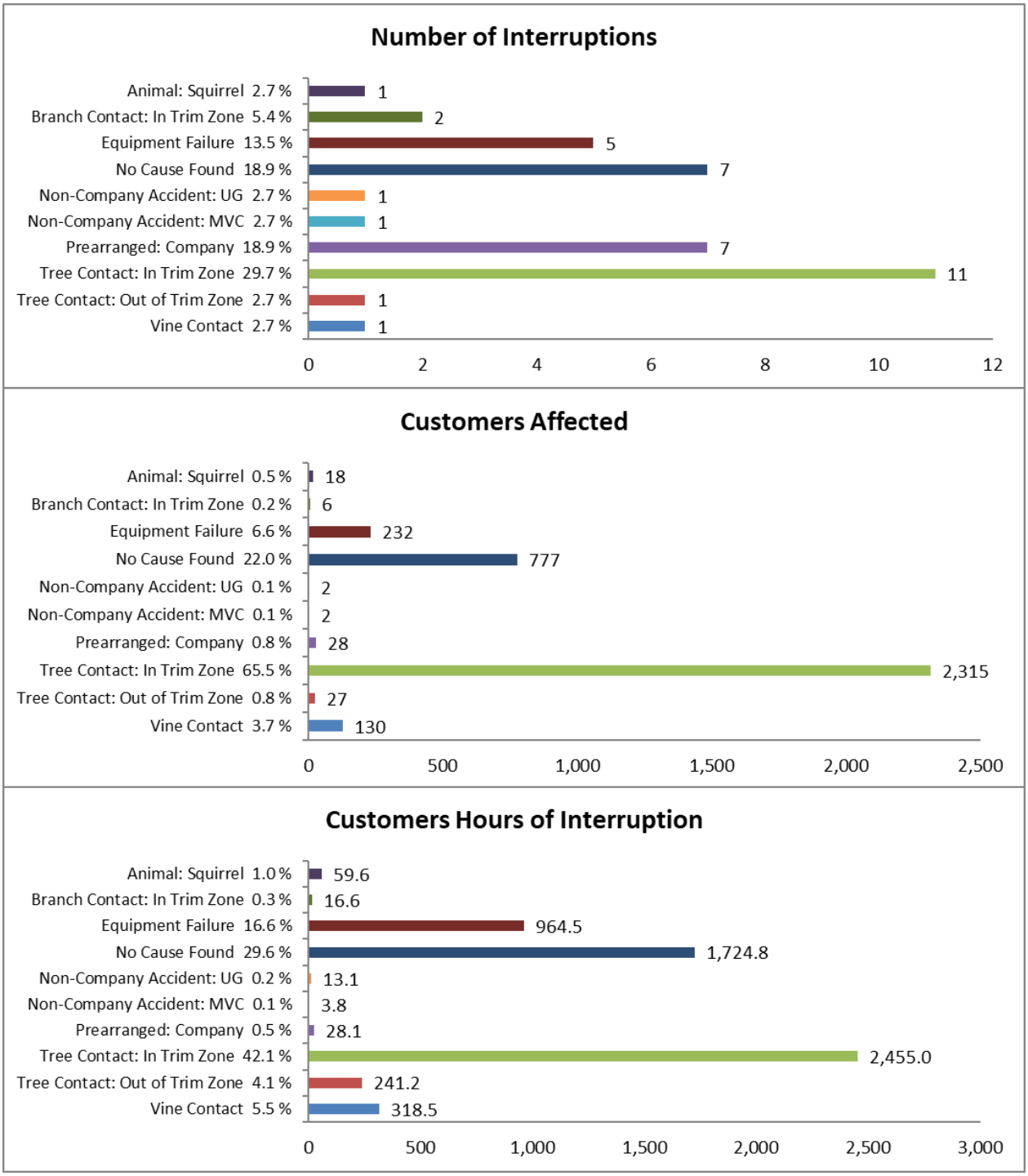
The third largest event occurred on October 17, 2025, on Millers Lane in Warwick, New York. This outage was caused by a large tree contacting the primary conductors and accounted for 554 customers affected (16% of the annual total).

The remaining 34 interruptions were attributed to animal contact (squirrel), branch contact within the trim zone, equipment failures, no cause found events, non-Company accidents, prearranged Company outages, additional tree contacts within the trim zone, tree contact outside the trim zone, and vine contact. Collectively, these events accounted for 3,778 customer-hours of interruption (65% of the annual total).

In 2026, the Company has scheduled a detailed circuit patrol along with a Distribution Infrared Scan. The circuit will be thoroughly inspected for defective components, vegetation conditions, animal protection, and lightning protection. The Company intends to correct identified deficiencies following completion of the inspections.

80-2-13 At A Glance			
Circuit Stats			
	Count	**Rank Division**	**Rank Company**
Customers	1,813	11	45
Critical Customers	10	12	43
Circuit Miles	52.2	3	14
Customers/Mile	35	35	212
Connected kVA	23,250	15	67
Automation			
	Y/N	**Sister Circuit**	
Auto-Loop	Y	80-5-13	

GRAPH 4.3.1 – CIRCUIT 80-2-13 – ONE-YEAR PERFORMANCE



4.3.2 CIRCUIT 84-1-13

Circuit 84-1-13 was ranked second in the Central Division under the 2025 Circuit Priority Rating system. The circuit originates from the Hunt Substation in Greenwood Lake, New York, and serves 2,482 customers over approximately 51 circuit miles.

In 2025, the circuit experienced 32 interruptions, affecting 4,620 customers and resulting in 11,939.6 customer-hours of interruption. The table below identifies the one-year outage data associated with Circuit 84-1-13, grouped by cause.

One-Year Summary (1/1/2025 - 12/31/2025) 84-1-13						
Cause	**No. of Interruptions**	**Pct. of Interruptions**	**Customers Affected**	**Pct. of Customers Affected**	**Customer Hours**	**Pct. of Customer-Hours**
Animal: Squirrel	1	3.1	2	0.04	3.3	0.03
Branch Contact: In Trim Zone	2	6.3	1,207	26.1	5,957.1	49.9
Equipment Failure	5	15.6	223	4.8	1,499.6	12.6
No Cause Found	4	12.5	105	2.3	208.0	1.7
Non-Company Accident: MVC	5	15.6	1,285	27.8	1,221.4	10.2
Overload: Company	1	3.1	4	0.1	13.7	0.1
Prearranged: Company	3	9.4	11	0.2	18.8	0.2
Tree Contact: In Trim Zone	11	34.4	1,783	38.6	3,017.7	25.3
Total	**32**		**4,620**		**11,939.6**	

In 2025, tree contact within the trim zone and branch contact within the trim zone were the primary contributors to circuit performance, collectively accounting for 13 interruptions (40.7%), 2,990 customers affected (64.7%), and 8,974.8 customer-hours of interruption (75.2%).

Three incidents accounted for a majority of the circuit's annual impact, representing 2,789 customers affected (60%) and 7,659 customer-hours of interruption (64%). The two largest incidents were the result of tree contact, while the third largest incident was caused by a non-Company motor vehicle accident.

The largest event occurred on July 3, 2025, on Cedar Street in Monroe, New York. This outage was caused by a large tree contacting the primary conductors. The circuit was deenergized for safety to allow removal of the tree and repair of damaged equipment. This event accounted for 5,895 customer-hours of interruption (49% of the annual total).

The second largest event occurred on April 13, 2025, on Lakes Road in Monroe, New York. This outage was also caused by tree contact, which knocked the primary conductor off the pin. The circuit was deenergized for safety to remove the tree and complete repairs. This event accounted for 1,207 customers affected (26% of the annual total).s

The third largest event occurred on January 7, 2025, on Nelson Road in Monroe, New York. This outage was the result of a non-Company motor vehicle accident in which a vehicle became

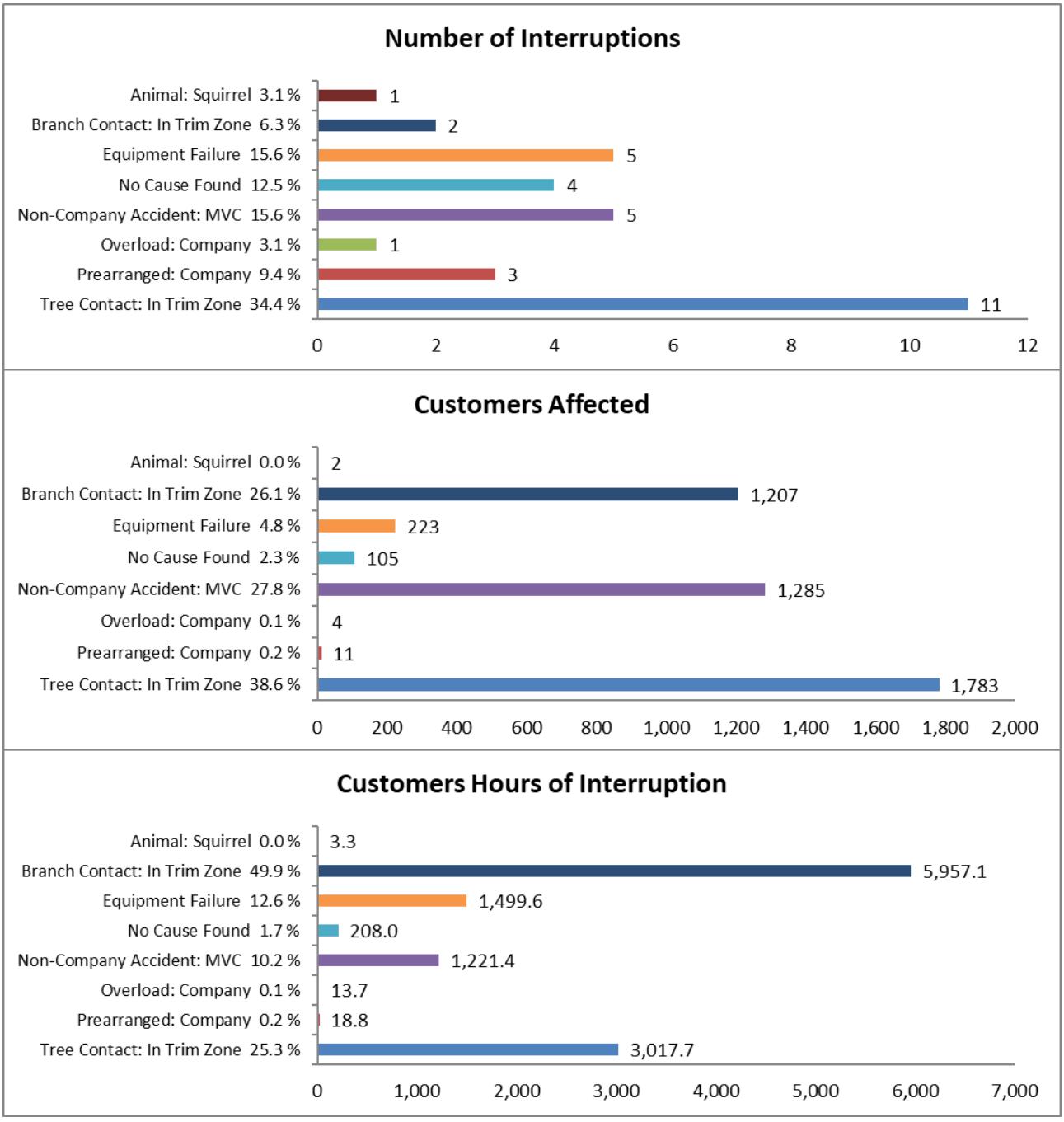
entangled with a downed primary conductor. The circuit was deenergized for safety, and the event accounted for 813 customers affected (18% of the annual total).

The remaining 29 interruptions were attributed to animal contact (squirrel), branch contact within the trim zone, equipment failures, no cause found events, additional non-Company motor vehicle accidents, Company overload events, prearranged Company outages, and additional tree-contact events within the trim zone. Collectively, these events accounted for 4,280 customer-hours of interruption (36% of the annual total).

In 2026, the Company has scheduled a detailed circuit patrol along with a Distribution Infrared Scan. The circuit will be thoroughly inspected for defective components, vegetation conditions, animal protection, and lightning protection. The Company intends to correct identified deficiencies following completion of the inspections.

84-1-13 At A Glance			
Circuit Stats			
	Count	**Rank Division**	**Rank Company**
Customers	2,482	3	12
Critical Customers	14	2	14
Circuit Miles	51	4	15
Customers/Mile	49	22	164
Connected kVA	21,370	18	85
Automation			
	Y/N	**Sister Circuit**	
Auto-Loop	Y	61-6-13	

GRAPH 4.3.2 – CIRCUIT 84-1-13 – ONE-YEAR PERFORMANCE



4.3.3 CIRCUIT 86-8-13

Circuit 86-8-13 was ranked third in the Central Division under the 2025 Circuit Priority Rating system. The circuit originates from the Blooming Grove Substation in Blooming Grove, New York, and extends approximately 43 circuit miles, serving 1,816 customers.

In 2025, the circuit experienced 23 interruptions, affecting 7,101 customers and resulting in 5,305.4 customer-hours of interruption. The table below identifies the one-year outage data associated with Circuit 86-8-13, grouped by cause.

One-Year Summary (1/1/2025 - 12/31/2025) 86-8-13						
Cause	**No. of Interruptions**	**Pct. of Interruptions**	**Customers Affected**	**Pct. of Customers Affected**	**Customer Hours**	**Pct. of Customer-Hours**
Animal: Squirrel	1	4.3	1,881	26.5	367.0	6.9
Equipment Failure	5	21.7	1,841	25.9	2,228.5	42.0
No Cause Found	2	8.7	1,292	18.2	1,182.4	22.3
Non-Company Accident: OH	1	4.3	4	0.1	10.2	0.2
Non-Company Accident: MVC	2	8.7	1,888	26.6	758.6	14.3
Prearranged: Company	10	43.5	100	1.4	130.4	2.5
Tree Contact: In Trim Zone	2	8.7	95	1.3	628.3	11.8
Total	**23**		**7,101**		**5,305.4**	

In 2025, equipment failure was the largest contributor to customer-hours of interruption, accounting for 2,228.5 customer-hours (42.0%), while no cause found events accounted for 1,182.4 customer-hours (22.3%). Non-Company motor vehicle accidents accounted for 758.6 customer-hours (14.3%).

Three incidents accounted for a significant portion of the circuit's annual impact, representing 4,379 customers affected (62%) and 3,829 customer-hours of interruption (72%). These incidents consisted of one equipment failure, one no cause found event, and one non-Company motor vehicle accident.

The largest event occurred on March 25, 2025, on Main Street in Washingtonville, New York. This outage occurred while a line crew was working on a recloser, during which an insulator on the bypass switch failed. The event was classified as an equipment failure and accounted for 2,038 customer-hours of interruption (38% of the annual total).

The second largest event occurred on February 12, 2025, on Yarmouth Court in Washingtonville, New York. This outage resulted from a midpoint recloser lockout for which no definitive cause was identified. This event accounted for 1,285 customer-hours of interruption (24% of the annual total).

The third largest event occurred on October 10, 2025, on Lark Street in Washingtonville, New York. This outage was the result of a non-Company motor vehicle accident in which a vehicle contacted

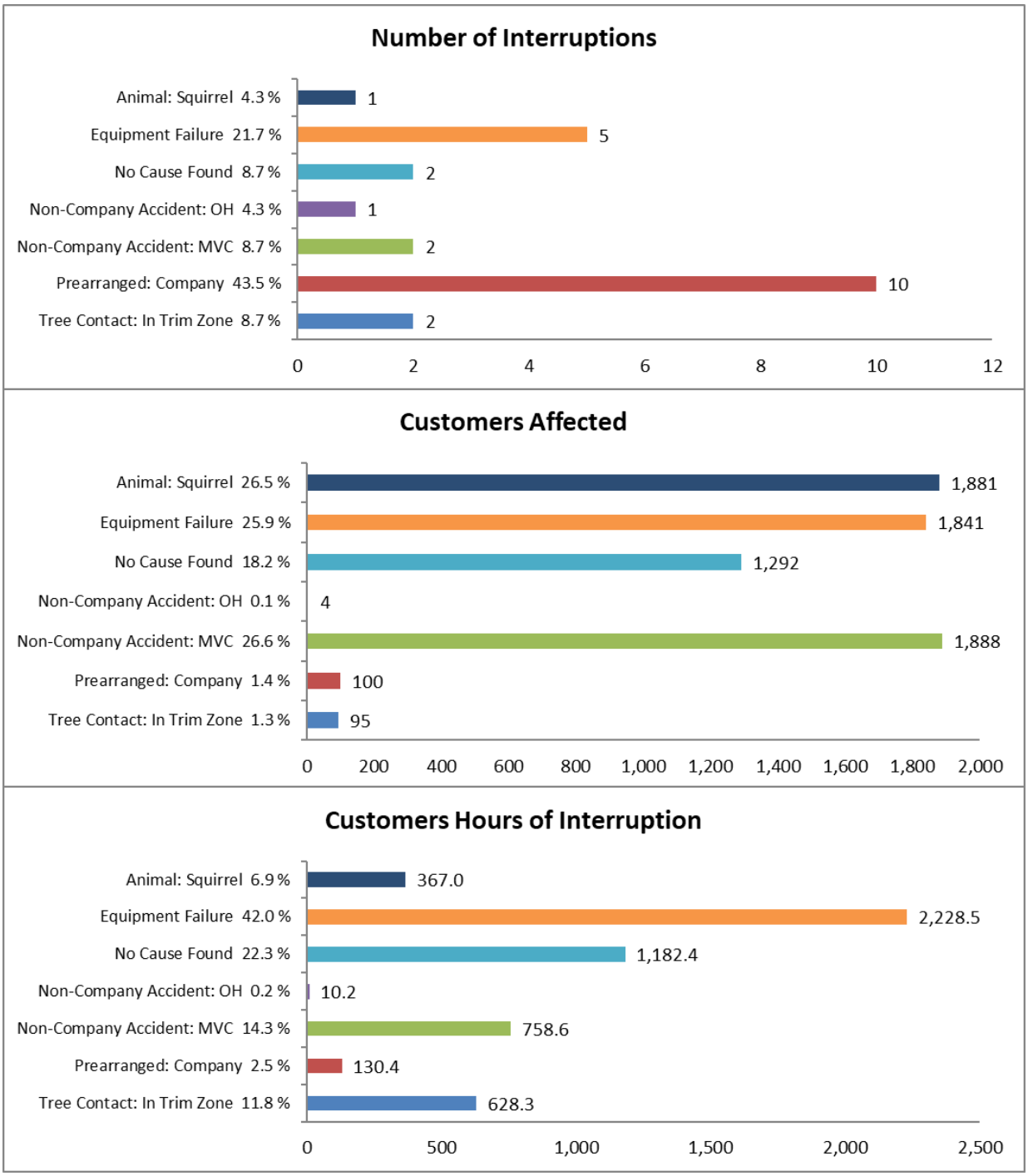
service wire and became energized, requiring the circuit to be deenergized for safety. This event accounted for 1,322 customer-hours of interruption (25% of the annual total).

The remaining 20 interruptions were attributed to animal contact (squirrel), additional equipment failures, no cause found events, non-Company accidents (overhead and motor vehicle), prearranged Company outages, and tree contact within the trim zone. Collectively, these events accounted for 1,476 customer-hours of interruption (28% of the annual total).

In 2026, the Company has scheduled a detailed circuit patrol along with a Distribution Infrared Scan. The circuit will be thoroughly inspected for defective components, vegetation conditions, animal protection, and lightning protection. The Company intends to correct identified deficiencies following completion of the inspections.

86-8-13 At A Glance			
Circuit Stats			
	Count	**Rank Division**	**Rank Company**
Customers	1,816	9	43
Critical Customers	14	2	14
Circuit Miles	43.2	10	27
Customers/Mile	42	28	188
Connected kVA	29,638	7	26
Automation			
	Y/N	**Sister Circuit**	
Auto-Loop	N	NA	

GRAPH 4.3.3 – CIRCUIT 86-8-13 – ONE-YEAR PERFORMANCE



4.3.4 CIRCUIT 67-1-13

Circuit 67-1-13 was ranked fourth in the Central Division under the 2025 Circuit Priority Rating system. The circuit originates from the Sterling Forest Substation in Tuxedo, New York, and serves 1,110 customers over approximately 45 circuit miles.

In 2025, the circuit experienced 39 interruptions, affecting 2,048 customers and resulting in 6,868.5 customer-hours of interruption. The table below identifies the one-year outage data associated with Circuit 67-1-13, grouped by cause.

One-Year Summary (1/1/2025 - 12/31/2025) 67-1-13						
Cause	**No. of Interruptions**	**Pct. of Interruptions**	**Customers Affected**	**Pct. of Customers Affected**	**Customer Hours**	**Pct. of Customer-Hours**
Branch Contact: In Trim Zone	4	10.3	92	4.5	247.0	3.6
Equipment Failure	3	7.7	95	4.6	78.4	1.1
No Cause Found	9	23.1	135	6.6	725.1	10.6
Non-Company Accident: MVC	1	2.6	6	0.3	54.2	0.8
Overload: Customer	1	2.6	3	0.1	9.6	0.1
Prearranged: Company	1	2.6	2	0.1	3.8	0.1
Tree Contact: In Trim Zone	20	51.3	1,715	83.7	5,750.4	83.7
Total	**39**		**2,048**		**6,868.5**	

In 2025, tree contact within the trim zone was the primary contributor to circuit performance, accounting for 20 interruptions (51.3%), 1,715 customers affected (83.7%), and 5,750.4 customer-hours of interruption (83.7%).

Three incidents accounted for a significant portion of the circuit's annual impact, representing 556 customers affected (27%) and 3,944 customer-hours of interruption (57%). All three incidents were the result of tree contact within the trim zone.

The largest event occurred on September 23, 2025, on Mountainside Drive in Southfields, New York. This outage occurred when a large tree fell across all three phases of the primary conductor. The event accounted for 1,691 customer-hours of interruption (25% of the annual total).

The second largest event occurred on July 17, 2025, on Route 17 in Southfields, New York. This outage was the result of a large tree contacting the primary conductors along a heavily wooded section of the circuit, which complicated access and restoration activities. This event accounted for 1,239 customer-hours of interruption (18% of the annual total).

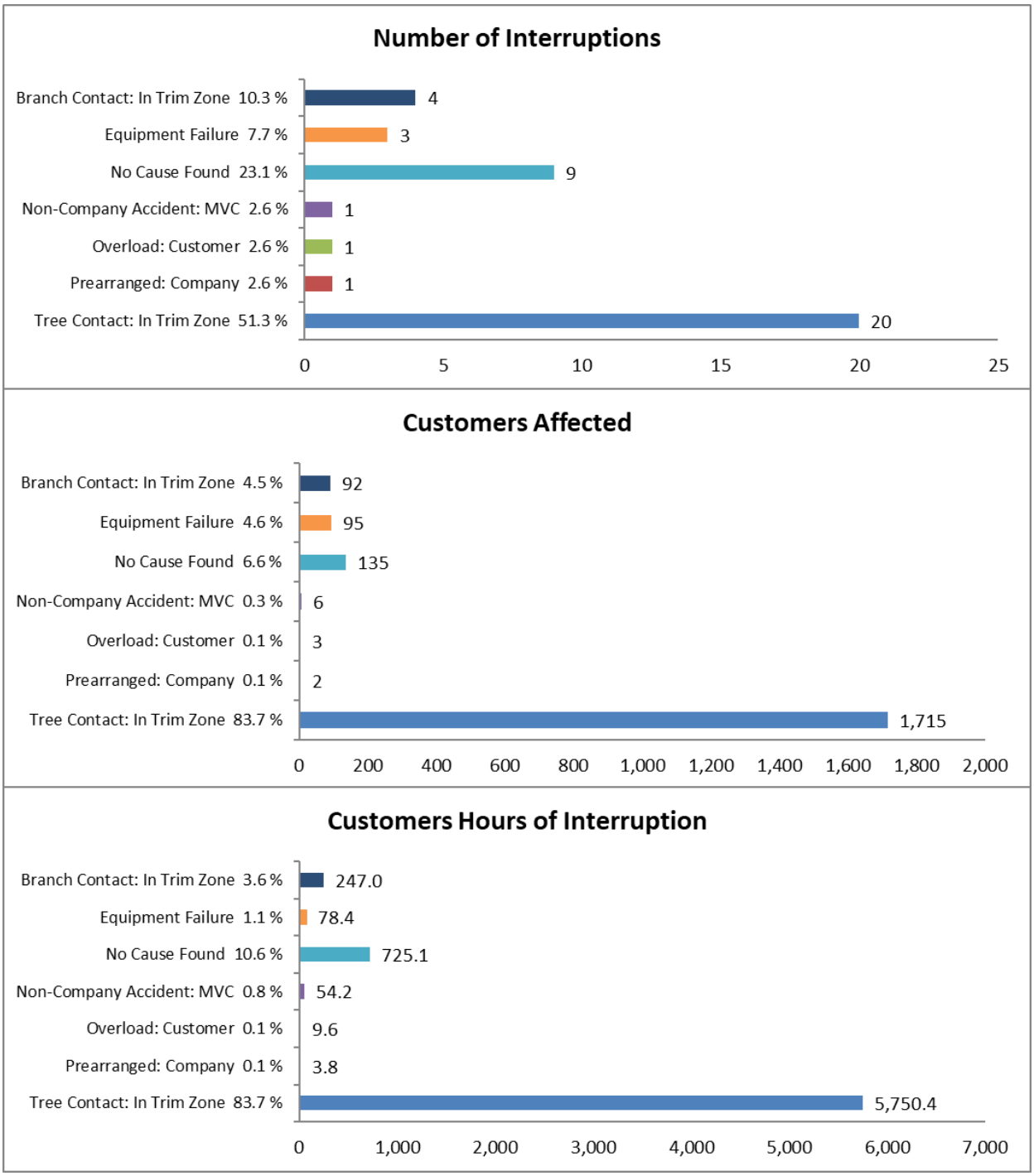
The third largest event occurred on July 31, 2025, on West Lake Road in Tuxedo Park, New York. This outage was caused by a large tree contacting the primary conductors, resulting in both primary conductor damage and the loss of a transformer pole. This event accounted for 1,014 customer-hours of interruption (15% of the annual total).

The remaining 36 interruptions were attributed to branch contact within the trim zone, equipment failures, no cause found events, a non-Company motor vehicle accident, a customer overload event, a prearranged Company outage, and additional tree-contact events within the trim zone. Collectively, these events accounted for 2,924 customer-hours of interruption (43% of the annual total).

In 2026, the Company has scheduled a detailed circuit patrol along with a Distribution Infrared Scan. The circuit will be thoroughly inspected for defective components, vegetation conditions, animal protection, and lightning protection. The Company intends to correct identified deficiencies following completion of the inspections. In addition, a project is currently under construction to relocate a portion of the circuit associated with the second largest outage from a heavily wooded area to a location closer to the roadway, which is expected to improve accessibility and restoration performance.

67-1-13 At A Glance			
Circuit Stats			
	Count	**Rank Division**	**Rank Company**
Customers	1,110	27	128
Critical Customers	11	10	33
Circuit Miles	44.7	9	26
Customers/Mile	25	43	245
Connected kVA	19,043	21	116
Automation			
	Y/N	**Sister Circuit**	
Auto-Loop	Y	42-3-13	

GRAPH 4.3.4 – CIRCUIT 67-1-13 – ONE-YEAR PERFORMANCE



4.3.5 CIRCUIT 71-2-13

Circuit 71-2-13 was ranked fifth in the Central Division under the 2025 Circuit Priority Rating system. The circuit originates from the Harriman Substation in Harriman, New York, and serves 1,610 customers over approximately 38 circuit miles.

In 2025, the circuit experienced 37 interruptions, affecting 2,196 customers and resulting in 4,443 customer-hours of interruption. The table below identifies the one-year outage data associated with Circuit 71-2-13, grouped by cause.

One-Year Summary (1/1/2025 - 12/31/2025) 71-2-13						
Cause	**No. of Interruptions**	**Pct. of Interruptions**	**Customers Affected**	**Pct. of Customers Affected**	**Customer Hours**	**Pct. of Customer-Hours**
Branch Contact: In Trim Zone	2	5.4	13	0.6	88.1	2.0
Equipment Failure	7	18.9	902	41.1	744.4	16.8
No Cause Found	7	18.9	208	9.5	680.6	15.3
Non-Company Accident: MVC	1	2.7	288	13.1	387.0	8.7
Non-Co Accident: Tree	1	2.7	37	1.7	30.2	0.7
Prearranged: Company	3	8.1	12	0.5	11.9	0.3
Tree Contact: In Trim Zone	15	40.5	721	32.8	2296.5	51.7
Tree Contact: Out of Trim Zone	1	2.7	15	0.7	204.3	4.6
Total	**37**		**2,196**		**4,443.0**	

In 2025, tree contact within the trim zone was the primary contributor to circuit performance, accounting for 15 interruptions (40.5%), 721 customers affected (32.8%), and 2,296.5 customer-hours of interruption (51.7%). Equipment failure was the second largest contributor, accounting for seven interruptions (18.9%), 902 customers affected (41.1%), and 744.4 customer-hours of interruption (16.8%).

Three incidents accounted for a significant portion of the circuit's annual impact, representing 1,161 customers affected (53%) and 1,901 customer-hours of interruption (43%).

The largest incident was due to tree contact, followed by an equipment failure and a non-Company motor vehicle accident.

The largest event occurred on February 25, 2025, on Pine Tree Road in Monroe, New York. This outage was caused by a large tree contacting the primary conductor, resulting in multiple sections of conductor and a transformer being taken down. This event accounted for 1,073 customer-hours of interruption (24% of the annual total).

The second largest event occurred on October 22, 2025, on Lake Shore Drive in Monroe, New York. This outage was the result of an equipment failure in which a phase conductor came off the pin and

contacted the crossarm, causing the pole to ignite. The circuit was deenergized for safety while repairs were completed. This event accounted for 441 customer-hours of interruption (10% of the annual total).

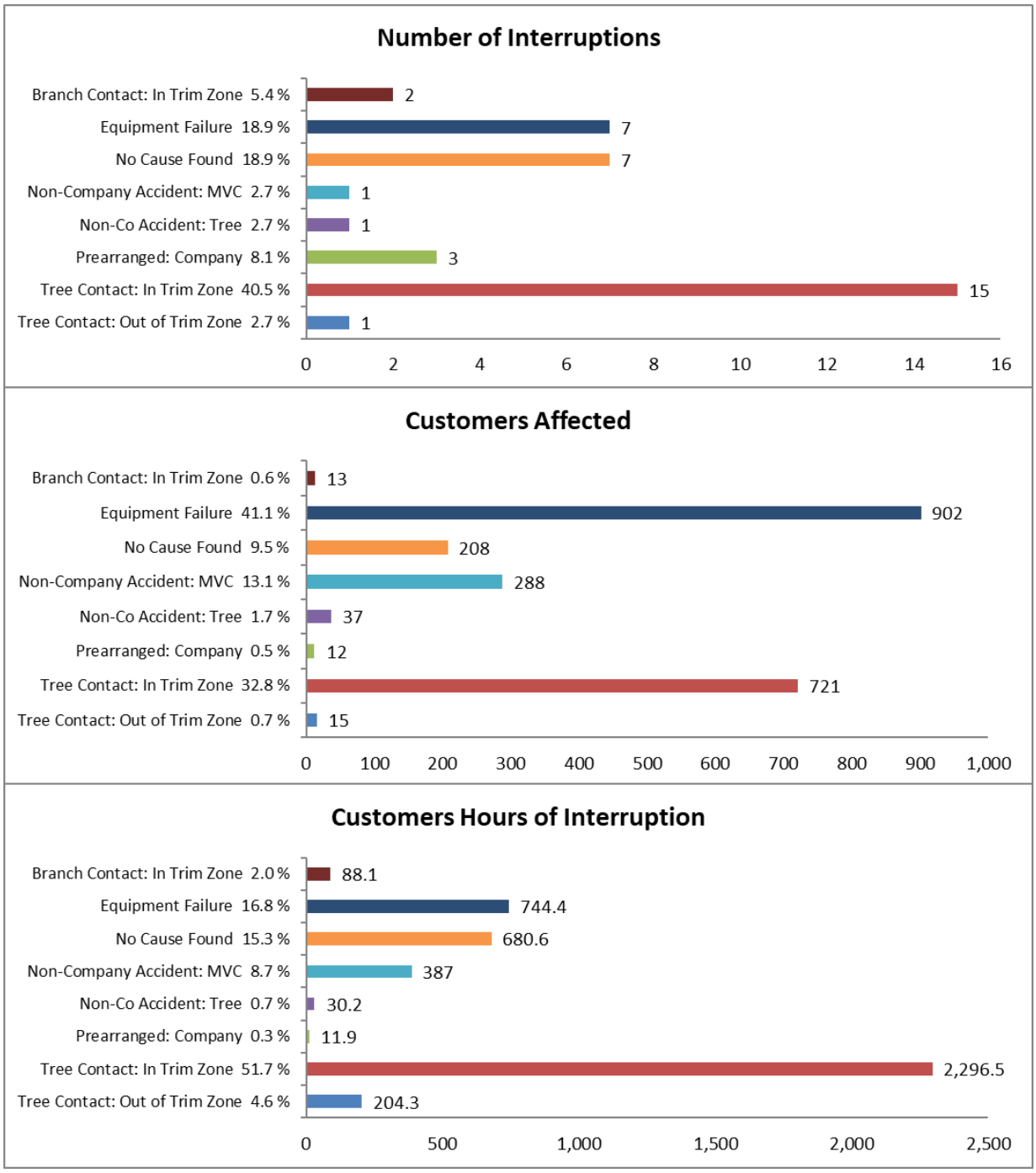
The third largest event occurred on December 14, 2025, on Church Street in Harriman, New York, and was caused by a non-Company motor vehicle accident that resulted in a broken utility pole. This event accounted for 387 customer-hours of interruption (9% of the annual total).

The remaining 34 interruptions were attributed to branch contact within the trim zone, additional equipment failures, no cause found events, prearranged Company outages, additional tree-contact events both within and outside the trim zone, and a non-Company tree related accident. Collectively, these events accounted for 2,542 customer-hours of interruption (57% of the annual total).

In 2026, the Company has scheduled a detailed circuit patrol along with a Distribution Infrared Scan. The circuit will be thoroughly inspected for defective components, vegetation conditions, animal protection, and lightning protection. The Company intends to correct identified deficiencies following completion of the inspections.

71-2-13 At A Glance			
Circuit Stats			
	Count	**Rank Division**	**Rank Company**
Customers	1,610	16	62
Critical Customers	13	6	22
Circuit Miles	38.6	12	36
Customers/Mile	42	29	190
Connected kVA	18,930	22	117
Automation			
	Y/N	**Sister Circuit**	
Auto-Loop	Y	61-1-13	

GRAPH 4.3.5 – CIRCUIT 71-2-13 – ONE-YEAR PERFORMANCE



5. WESTERN DIVISION

5.1. 2025 Divisional Performance

In 2025, the year-end frequency for the Western Division was 1.74 customers affected per customer served. This performance was above the divisional standard of 1.70 and represented an increase from the Division's 2024 performance, as well as the previous five-year average of 1.40. While the year-end total of 1.83 customer-hours of interruption per customer affected increased compared to the Division's 2024 performance and was above the previous five-year average of 1.81, this result was better than the divisional standard of 2.00. The monthly performance of these indices, from 2020 through 2025, is shown in Table 5.2.1.

Figures 5.2.1, 5.2.2, and 5.2.3 illustrate Western Division performance trends on a rolling 12-month basis from 2020 through 2025. The rolling 12-month number of interruptions in 2025 increased compared to 2024. Excludable days during the year impacted Western Division performance, with 7 excludable days attributable to weather events affecting the Division in 2025.

The rolling 12-month average number of customers affected in 2025 was 98,742, compared to 69,767 in 2024. A review of daily outage data indicates that customer-hours of interruption were concentrated from winter through the spring season, with higher impacts observed during May.

Figure 5.2.4 presents a summary, by cause, of the number of interruptions, customers affected, and customer-hours of interruption experienced in 2025. Consistent with historical trends, tree contact and equipment failure were the primary contributors to interruptions. Partial power and single customer interruptions contributed to the total number of interruptions for both categories. Of the 538 interruptions in the tree contact category, 89 (17%) were attributable to partial power or single customer conditions. Of the 269 interruptions in the equipment failure category, 102 (38%) were attributable to partial power or single customer conditions. Both results were higher than the 2024 results.

Figures 5.2.5, 5.2.6, and 5.2.7 depict the annual contribution, by major cause, to the number of interruptions, customers affected, and customer-hours of interruption, respectively. Compared to 2024, the number of interruptions improved in animal and customer problems, while customers affected increased by 341% in the lightning cause category.

Tree contact and equipment failure remained the largest contributors to interruptions in 2025. Tree-contact interruptions increased by 27%, while equipment failure interruptions increased by 10% compared to 2024. Customer-minutes of interruption associated with tree contact and equipment failure increased by 63% and 44%, respectively.

As shown in Figure 5.2.6, customers affected increased in most major cause areas for 2025, as did the number of interruptions (Figure 5.2.5) and customer minutes of interruption (Figure 5.2.7)

compared to 2024. Customers affected and minutes of interruption were mostly above their respective five-year averages.

In 2025, there was one major outage in the Western Division affecting more than 5,000 customers. Table 5.2.5 summarizes the impact of large outages on SAIFI, CAIDI, and SAIDI. Storm statistics and analysis are provided in Appendix E.

The Western Division is served by 54 distribution circuits. Circuit priority ratings are provided in Appendix A. Of these circuits, 13 were excluded from evaluation due to serving fewer than 100 customers or experiencing fewer than three interruptions. Of the remaining circuits, 67% met the frequency standard and 59% met the restoration standard.

For the Western Division, $MAIFI_e$ in 2025 was 8.91, based on 56,945 customers served and a total of 507,491 momentary interruptions experienced by customers. This performance was worse than 2024 and above the previous three-year average of 7.73. Currently, the Company calculates $MAIFI_e$ based on operations from the substation breaker that supplies the circuit.

5.2 List of Western Division Figures and Tables for 2025 Performance

Divisional Tables

Divisional Figures

Worst Performing Circuit Statistics by Cause (No. of Int., Customers Affected, Cust. -Hrs. of Int.)

TABLE 5.2.1 – 5-YEAR COMPARISON – FREQUENCY AND RESTORATION BY MONTH

WESTERN DIVISION - NYS - ALL OUTAGES - WITHOUT STORMS
calculations for calendar year reliability goals

FREQUENCY - CUSTOMERS AFFECTED / CUSTOMERS SERVED

MONTH	2020	2021	2022	2023	2024	5 YR AVG	2025 ACTUAL Monthly	2025 ACTUAL Y-T-D
JAN	0.04	0.04	0.04	0.06	0.12	0.06	0.32	0.32
FEB	0.04	0.14	0.15	0.08	0.07	0.10	0.03	0.36
MAR	0.11	0.12	0.14	0.21	0.04	0.12	0.24	0.59
APR	0.11	0.29	0.19	0.17	0.03	0.16	0.09	0.68
MAY	0.05	0.08	0.07	0.14	0.07	0.08	0.20	0.88
JUN	0.09	0.21	0.13	0.09	0.06	0.12	0.07	0.95
JLY	0.11	0.16	0.16	0.07	0.19	0.14	0.17	1.12
AUG	0.08	0.14	0.13	0.18	0.17	0.14	0.10	1.22
SEP	0.06	0.24	0.10	0.07	0.09	0.11	0.08	1.30
OCT	0.10	0.07	0.05	0.05	0.15	0.09	0.21	1.51
NOV	0.40	0.13	0.13	0.24	0.13	0.21	0.09	1.60
DEC	0.02	0.10	0.06	0.08	0.11	0.07	0.14	1.74
YR END	1.22	1.73	1.35	1.45	1.23	1.40		1.74

RESTORATION - MINUTES OF INTERR / CUST AFFECTED

MONTH	2020	2021	2022	2023	2024	5 YR AVG	2025 ACTUAL Monthly	2025 ACTUAL Y-T-D
JAN	124.1	80.0	90.9	115.2	77.5	97.5	82.3	82.3
FEB	142.1	50.2	99.8	127.7	71.4	98.2	87.3	82.8
MAR	71.5	168.7	95.6	133.3	106.5	115.1	103.5	91.1
APR	110.0	54.1	74.4	141.6	113.3	98.7	74.1	88.9
MAY	146.7	87.7	109.6	103.0	128.6	115.1	146.6	102.2
JUN	106.9	109.0	150.7	125.2	108.2	120.0	159.2	106.2
JLY	154.4	94.1	133.0	137.2	99.0	123.5	117.3	107.9
AUG	107.2	113.7	98.8	143.7	153.6	123.4	146.3	111.2
SEP	153.5	58.1	165.2	147.3	106.5	126.1	112.5	111.2
OCT	76.7	111.1	173.0	109.6	98.6	113.8	83.0	107.3
NOV	64.5	155.0	116.5	63.3	91.3	98.1	140.8	109.2
DEC	145.2	244.0	123.2	168.5	127.5	161.7	118.1	109.9
YR END(Min)	98.3	100.4	115.0	121.2	107.9	108.6		109.9
YR END(Hr)	1.64	1.67	1.92	2.02	2.03	1.81		1.83

FIGURE 5.2.1 – 12-MONTH ROLLING AVERAGE – NUMBER OF INTERRUPTIONS

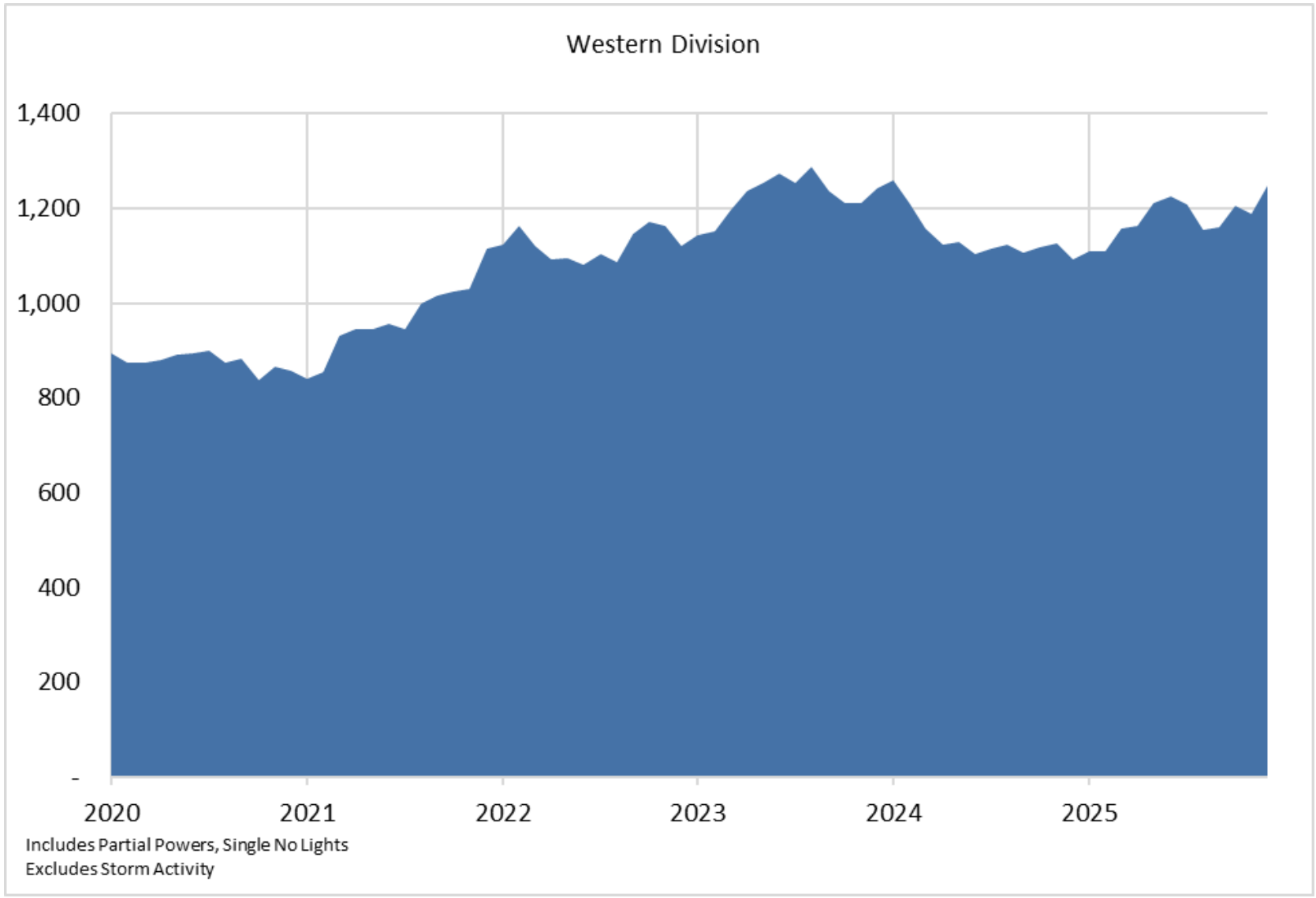


FIGURE 5.2.2 – 12-MONTH ROLLING AVERAGE – CUSTOMERS AFFECTED

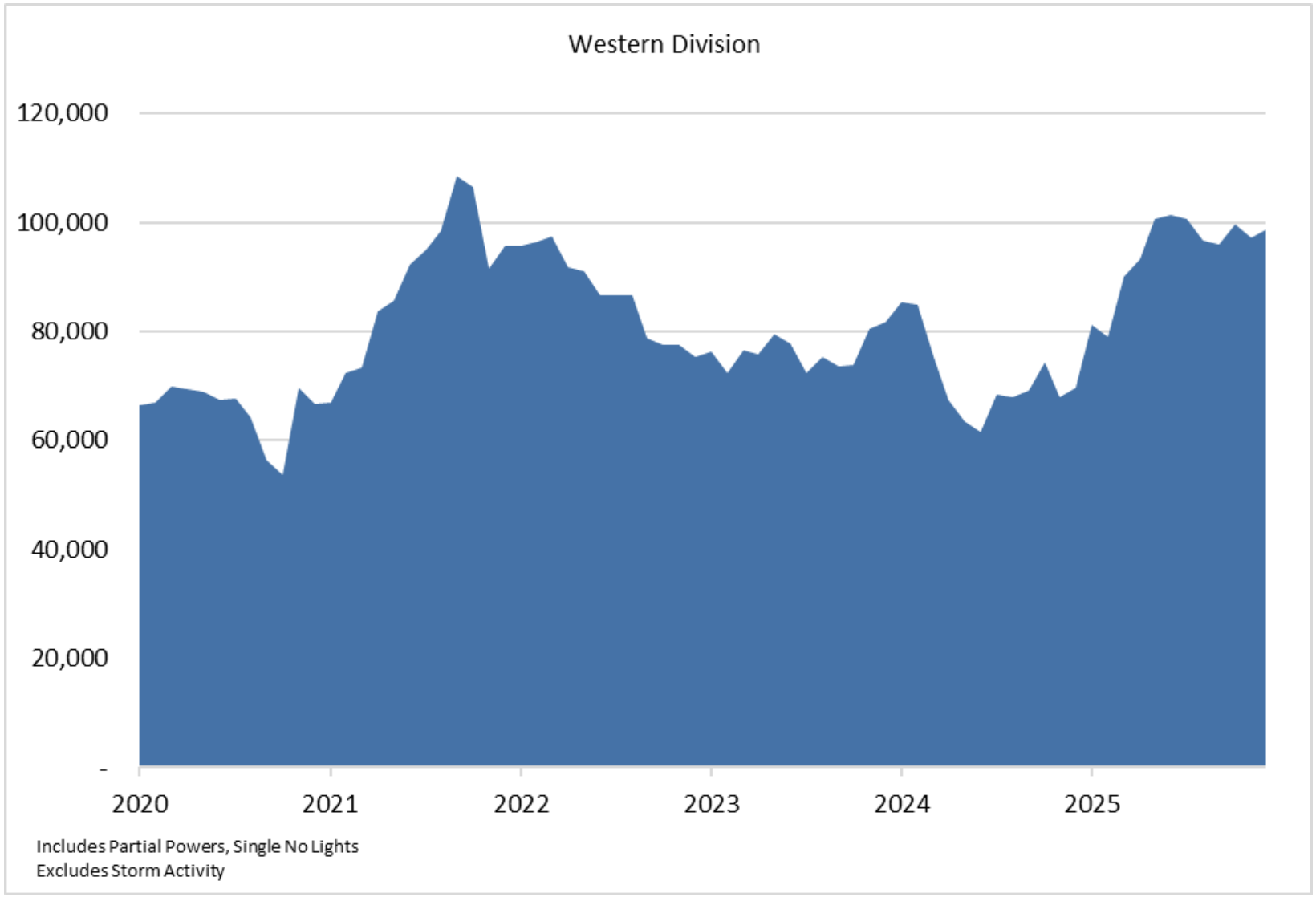


FIGURE 5.2.3 – 12-MONTH ROLLING AVERAGE – CUSTOMER-HOURS OF INTERRUPTIONS

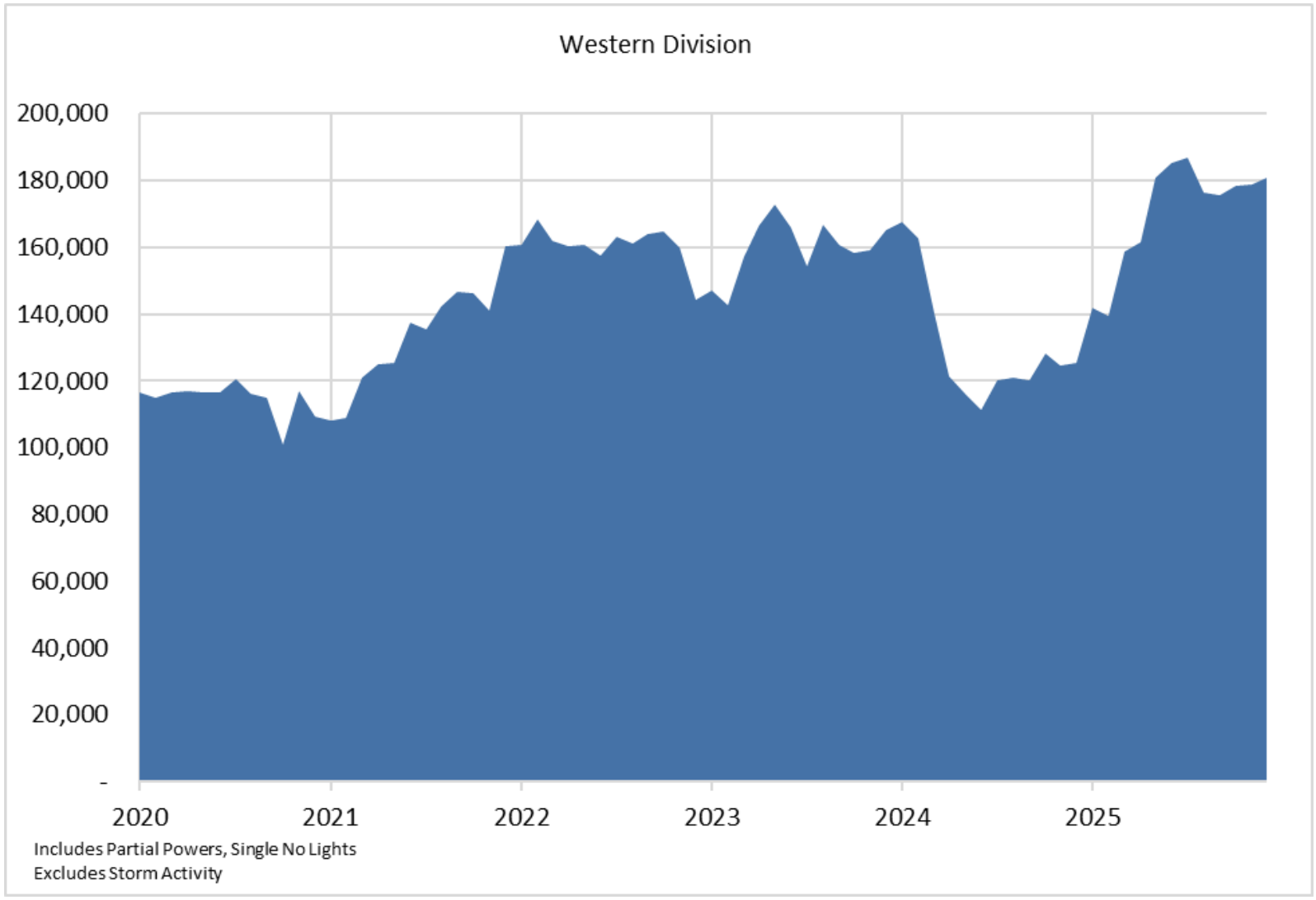


FIGURE 5.2.4 – OUTAGE STATISTICS BY CAUSE

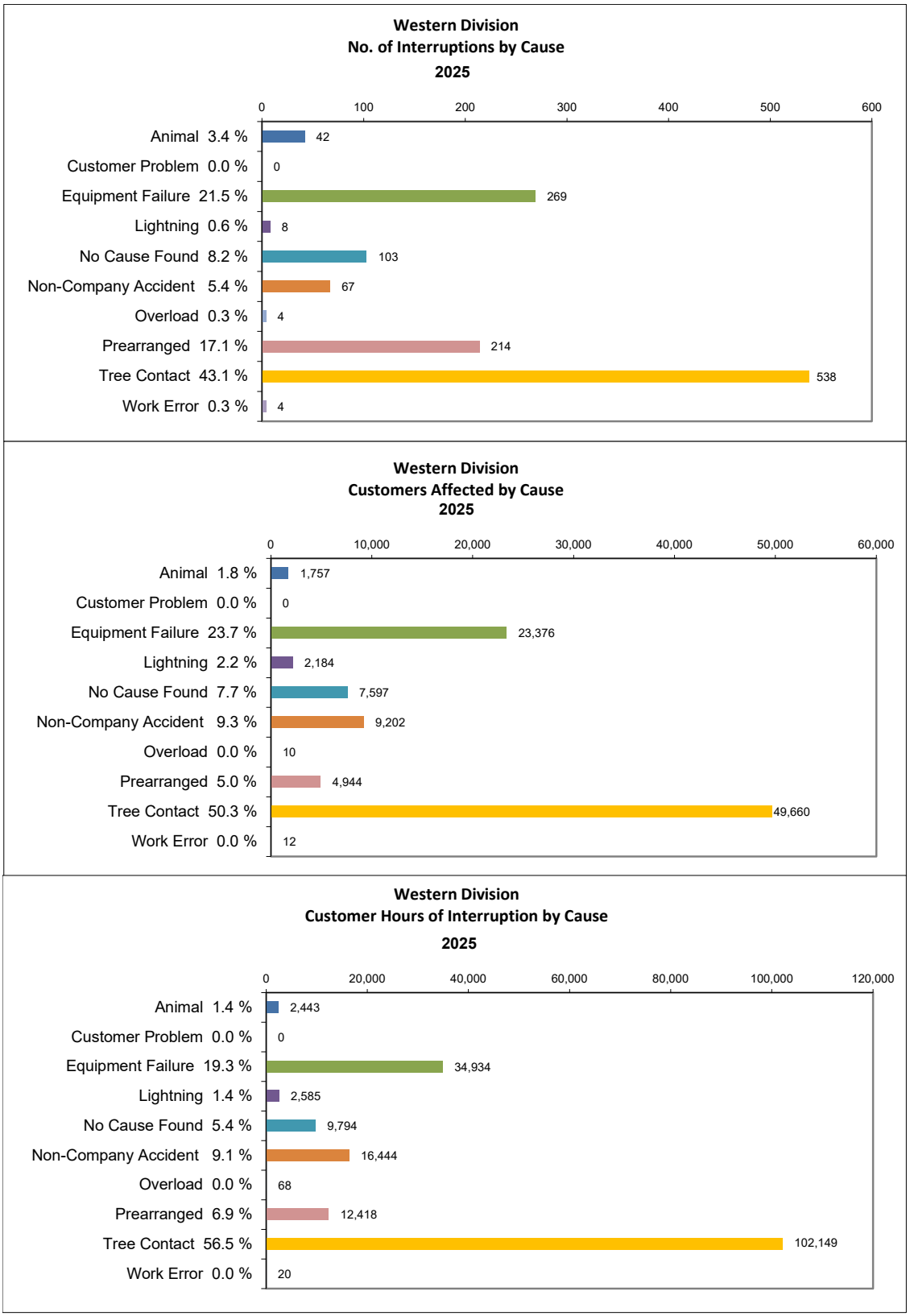


TABLE 5.2.2 – 5-YEAR WESTERN EQUIPMENT FAILURES – BY TYPE AND EQUIPMENT FAILURE CODE

		Number of Interruptions by Year						
		2020	2021	2022	2023	2024	5 Yr Avg.	2025
Outage Type	**Equipment**							
Overhead	Arrester	5	4	2	1	0	2	0
	Connecter/Splice - Pri	10	14	15	16	15	14	21
	Connecter/Splice - Sec	21	44	41	37	28	34	38
	Disconnect	0	1	0	0	0	0	0
	Elbow	1	0	0	0	0	0	0
	Electric Meter	0	2	2	4	4	2	1
	Fuse/Cutout/Eld	9	9	13	36	27	19	13
	GOAB	2	0	0	1	1	1	1
	Hardware/Pole	13	24	23	26	17	21	19
	Insulator	1	0	0	2	2	1	3
	O/H Step Transf	2	5	2	5	2	3	3
	O/H Transformer	35	47	67	45	44	48	56
	Recloser	1	0	0	0	0	0	0
	Regulator	0	0	1	0	0	0	0
	Riser Pole Cutout	8	15	4	5	0	6	6
	Sectionalizer	0	0	0	2	0	0	0
	Splice/Junction - Sec	0	1	0	0	0	0	1
	Wire/Cable - Pri	42	43	19	23	37	33	32
	Wire/Cable - Sec	34	16	15	18	27	22	29
	Total - OH	184	225	204	221	204	208	223
Trans/Substa	Brkr/Kyle/Switch	0	0	1	1	0	0	0
	Cable	0	0	0	0	0	0	1
	Hardware/Pole/Tower	0	0	1	0	0	0	1
	Insulator	0	8	0	0	0	2	0
	Not Coded	0	1	0	1	0	0	1
	Transformer	0	0	2	0	1	1	2
	Total - Trans/Substa	0	9	4	2	1	3	5
Underground	Boxpad/Silo/Vault	0	0	1	0	0	0	0
	Bushing	0	0	0	1	0	0	0
	Elbow	0	2	1	0	2	1	2
	Hardeware/Pole	0	0	0	0	1	0	0
	Padmount Transf	13	34	14	22	18	20	10
	Splice/Junction - Pri	0	0	0	2	0	0	1
	Splice/Junction - Sec	5	5	3	13	6	6	0
	Stress Cone	2	1	0	0	3	1	2
	Switch	0	1	0	10	1	2	0
	Wire/Cable - Pri	9	14	14	3	4	9	8
	Wire/Cable - Sec	6	9	13	7	5	8	18
	Total - UG	35	66	46	58	40	49	41
	Total - Year	219	300	254	281	245	260	269

Note: Figures in red denote that the value exceeds the five-year average

TABLE 5.2.3 – 5-YEAR WESTERN EQUIPMENT FAILURES – BY TYPE AND EQUIPMENT FAILURE CODE (CONT.)

		Customers Affected by Year						
		2020	2021	2022	2023	2024	5 Yr Avg.	2025
Outage Type	**Equipment**							
Overhead	Arrester	1,042	205	215	1	0	293	0
	Connecter/Splice - Pri	433	2,849	509	1,630	2,427	1,570	4,784
	Connecter/Splice - Sec	34	68	70	72	30	55	82
	Disconnect	0	206	0	0	0	41	0
	Elbow	4	0	0	0	0	1	0
	Electric Meter	0	2	2	4	8	3	1
	Fuse/Cutout/Eld	2,118	343	250	1,171	420	860	783
	GOAB	453	0	0	501	52	201	811
	Hardware/Pole	3,456	2,303	3,142	2,100	2,051	2,610	1,481
	Insulator	38	0	0	65	900	201	741
	O/H Step Transf	711	271	124	820	240	433	196
	O/H Transformer	358	2,086	643	855	869	962	2,818
	Recloser	1	0	0	0	0	0	0
	Regulator	0	0	146	0	0	29	0
	Riser Pole Cutout	131	596	9	16	0	150	34
	Sectionalizer	0	0	0	4	0	1	0
	Splice/Junction - Sec	0	1	0	0	0	0	1
	Wire/Cable - Pri	12,258	10,827	2,367	2,900	5,989	6,868	5,744
	Wire/Cable - Sec	118	71	31	33	83	67	57
	Total - OH	21,155	19,828	7,508	10,172	13,069	14,346	17,533
Trans/Substa	Brkr/Kyle/Switch	0	0	916	3,642	0	912	0
	Cable	0	0	0	0	0	0	1,058
	Hardware/Pole/Tower	0	0	303	0	0	61	463
	Insulator	0	8,492	0	0	0	1,698	0
	Not Coded	0	305	0	2	0	61	1,224
	Transformer	0	0	1,354	0	378	346	1,706
	Total - Trans/Substa	0	8,797	2,573	3,644	378	3,078	4,451
Underground	Boxpad/Silo/Vault	0	0	22	0	0	4	0
	Bushing	0	0	0	92	0	18	0
	Elbow	0	46	11	0	7	13	5
	Hardeware/Pole	0	0	0	0	2	0	0
	Padmount Transf	163	199	77	212	189	168	60
	Splice/Junction - Pri	0	0	0	1,728	0	346	357
	Splice/Junction - Sec	5	15	3	22	7	10	0
	Stress Cone	33	1	0	0	5	8	4
	Switch	0	9	0	123	7	28	0
	Wire/Cable - Pri	260	287	2,519	36	214	663	1,846
	Wire/Cable - Sec	23	85	14	23	18	33	39
	Total - UG	484	642	2,646	2,236	449	1,291	2,311
	Total - Year	21,639	29,267	12,727	16,052	13,896	18,716	24,295

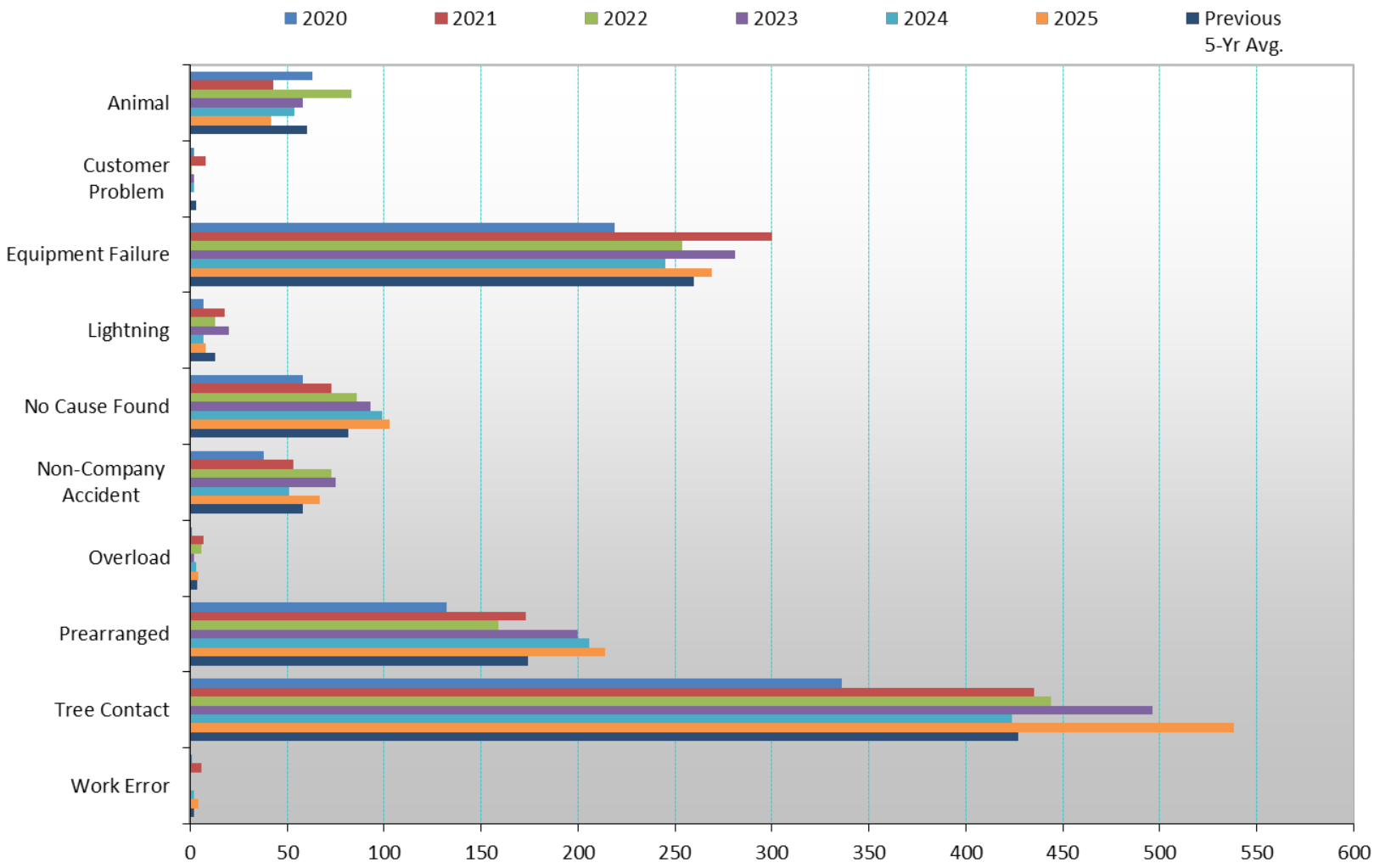
Note: Figures in red denote that the value exceeds the five-year average

TABLE 5.2.4 – 5-YEAR WESTERN EQUIPMENT FAILURES – BY TYPE AND EQUIPMENT FAILURE CODE (CONT.)

		Total Minutes of Interruption by Year						
		2020	2021	2022	2023	2024	5 Yr Avg.	2025
Outage Type	**Equipment**							
Overhead	Arrester	138,464	55,779	21,759	272	0	43,255	0
	Connecter/Splice - Pri	26,898	118,806	61,492	81,460	120,289	81,789	216,349
	Connecter/Splice - Sec	4,426	9,173	10,283	11,416	4,445	7,949	13,636
	Disconnect	0	10,094	0	0	0	2,019	0
	Elbow	1,684	0	0	0	0	337	0
	Electric Meter	0	379	354	674	1,061	494	78
	Fuse/Cutout/Eld	39,007	83,747	14,945	172,170	81,439	78,262	210,489
	GOAB	18,574	0	0	8,016	1,768	5,672	79,478
	Hardware/Pole	251,299	255,905	229,531	406,759	254,522	279,603	121,327
	Insulator	1,482	0	0	12,565	117,288	26,267	19,725
	O/H Step Transf	58,605	62,066	39,396	139,530	19,427	63,805	53,329
	O/H Transformer	61,049	363,566	124,129	128,051	201,312	175,621	94,681
	Recloser	61	0	0	0	0	12	0
	Regulator	0	0	1,314	0	0	263	0
	Riser Pole Cutout	12,479	27,651	1,184	2,920	0	8,847	5,269
	Sectionalizer	0	0	0	990	0	198	0
	Splice/Junction - Sec	0	239	0	0	0	48	95
	Wire/Cable - Pri	674,837	588,127	243,565	246,872	458,681	442,416	471,882
	Wire/Cable - Sec	15,037	12,546	5,534	6,098	15,364	10,916	11,410
	Total - OH	1,303,902	1,588,078	753,486	1,217,793	1,275,596	1,227,771	1,297,748
Trans/Substa	Brkr/Kyle/Switch	0	0	90,684	40,197	0	26,176	0
	Cable	0	0	0	0	0	0	71,354
	Hardware/Pole/Tower	0	0	2,424	0	0	485	7,871
	Insulator	0	154,422	0	0	0	30,884	0
	Not Coded	0	49,410	0	254	0	9,933	108,297
	Transformer	0	0	512,849	0	2,646	103,099	279,872
	Total - Trans/Substa	0	203,832	605,957	40,451	2,646	170,577	467,394
Underground	Boxpad/Silo/Vault	0	0	2,618	0	0	524	0
	Bushing	0	0	0	39,652	0	7,930	0
	Elbow	0	12,197	4,664	0	2,179	3,808	1,160
	Hardeware/Pole	0	0	0	0	1,748	350	0
	Padmount Transf	74,453	32,356	39,391	85,697	33,234	53,026	24,410
	Splice/Junction - Pri	0	0	0	158,723	0	31,745	21,420
	Splice/Junction - Sec	869	3,144	1,436	6,871	2,773	3,019	0
	Stress Cone	5,118	1,222	0	0	1,082	1,484	1,819
	Switch	0	1,224	0	37,087	917	7,846	0
	Wire/Cable - Pri	76,052	76,196	359,263	7,280	123,887	128,536	264,319
	Wire/Cable - Sec	4,254	30,548	5,414	10,392	8,501	11,822	17,774
	Total - UG	160,746	156,887	412,786	345,702	174,321	250,088	330,902
	Total - Year	1,464,648	1,948,797	1,772,229	1,603,946	1,452,563	1,697,405	2,096,044

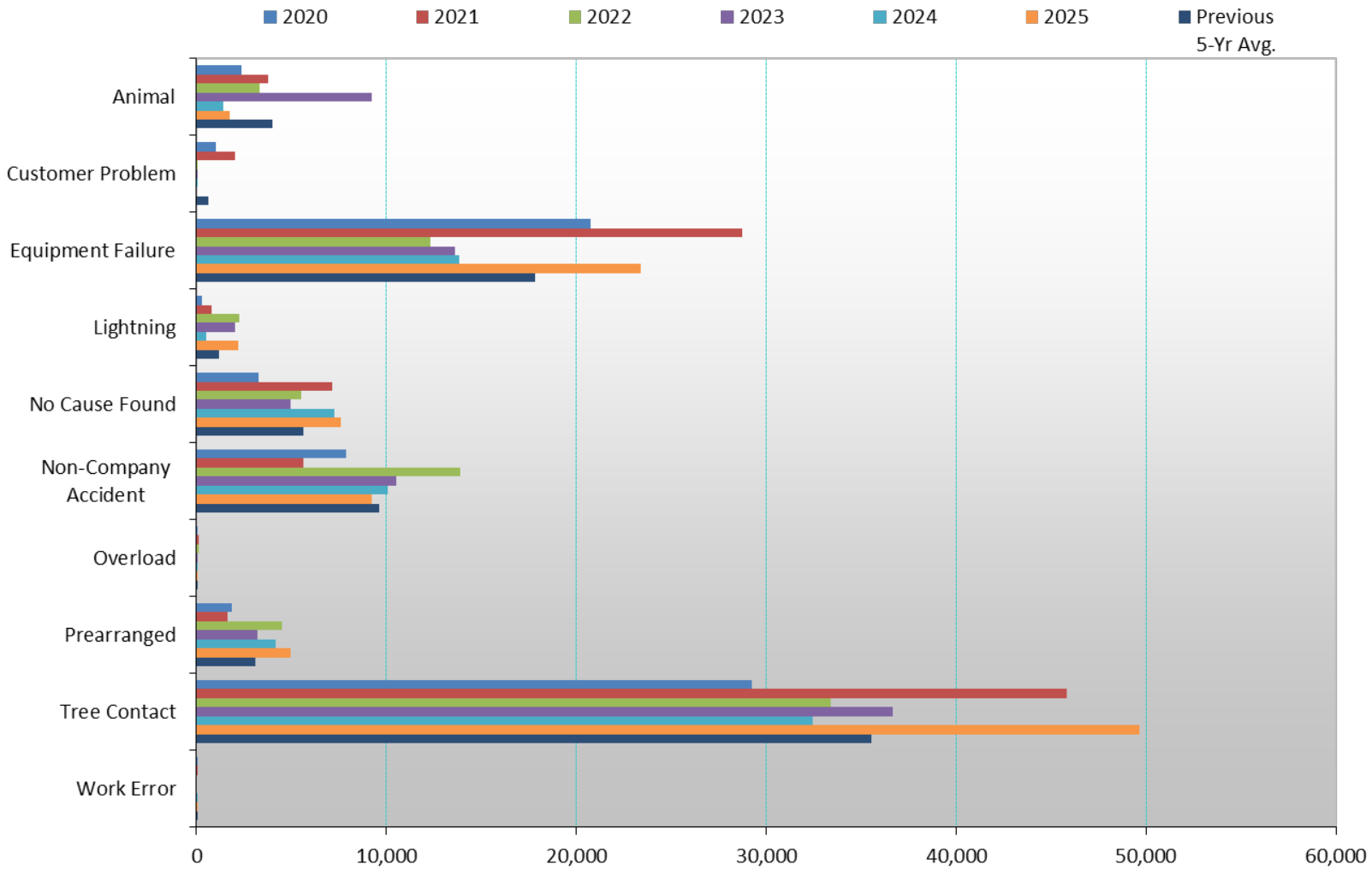
Note: Figures in red denote that the value exceeds the five-year average

FIGURE 5.2.5 – 5-YEAR COMPARISON – NUMBER OF INTERRUPTIONS BY MAJOR CAUSE - WESTERN DIVISION



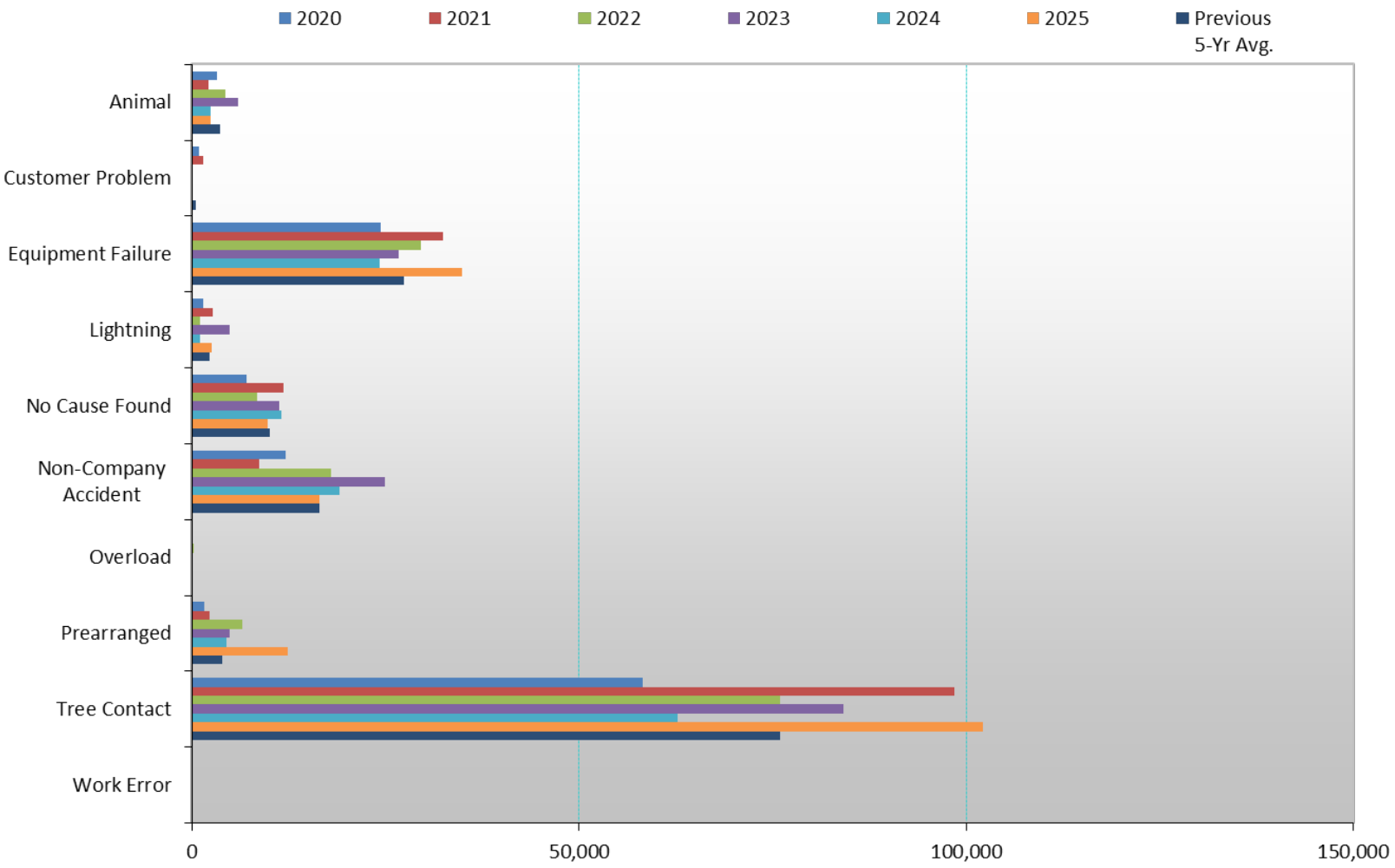
Includes Partial Powers, Single No Lights
Excludes Storm Activity

FIGURE 5.2.6 – 5-YEAR COMPARISON – CUSTOMERS AFFECTED BY MAJOR CAUSE - WESTERN DIVISION



Includes Partial Powers, Single No Lights
Excludes Storm Activity

FIGURE 5.2.7 – 5-YEAR COMPARISON – CUSTOMER-HOURS OF INTERRUPTIONS BY MAJOR CAUSE - WESTERN DIVISION



Includes Partial Powers, Single No Lights
Excludes Storm Activity

TABLE 5.2.5 – 5-YR COMPARISON – LARGE OUTAGE (>5,000 CUSTOMERS) IMPACT ON SAIFI, CAIDI & SAIDI

Western Division Without Storms
Effect of Interruptions Affecting 5,000 or more Customers

YEAR	CUSTOMERS SERVED (CS)	# OF INTERRUPTIONS	CUSTOMERS AFFECTED (CA)	CUSTOMER MINUTES OF INTERRUPTION (CM)	FREQUENCY (CA/CS)	RESTORATION (CH/CA)	DURATION (CH/CS)
WITHOUT STORMS							
2020	54,575	857	66,764	6,562,819	1.22	1.64	2.00
2021	55,342	1,116	95,728	9,612,096	1.73	1.67	2.89
2022	55,587	1,119	75,295	8,661,135	1.35	1.92	2.60
2023	56,169	1,241	81,679	9,900,116	1.45	2.02	2.94
2024	56,550	1,093	69,767	7,530,729	1.23	1.80	2.22
5-Yr Average	**55,645**	**1,085**	**77,847**	**8,453,379**	**1.40**	**1.81**	**2.53**
2025	56,867	1,249	98,742	10,851,286	1.74	1.83	3.18

WITHOUT STORMS - OUTAGES AFFECTING > 5000 CUSTOMERS

YEAR	SERVED	INTERR's	CUST AFF	CUST MIN
2020	54,575	0	0	0
2021	55,342	1	8,492	154,422
2022	55,587	0	0	0
2023	56,169	1	6,149	159,059
2024	56,550	0	0	0
5-Yr Average	**55,645**	**0**	**2,928**	**62,696**
2025	56,867	6	5,364	227,946

WITHOUT STORMS AND WITHOUT THOSE OUTAGES AFFECTING > 5000 CUSTOMERS

2020	54,575	857	66,764	6,562,819	1.22	1.64	2.00
2021	55,342	1,115	87,236	9,457,674	1.58	1.81	2.85
2022	55,587	1,119	75,295	8,661,135	1.35	1.92	2.60
2023	56,169	1,240	75,530	9,741,057	1.34	2.15	2.89
2024	56,550	1,093	69,767	7,530,729	1.23	1.80	2.22
5-Yr Average	**55,645**	**1,085**	**74,918**	**8,390,683**	**1.35**	**1.87**	**2.51**
2025	56,867	1,243	93,378	10,623,340	1.64	1.90	3.11

5.3 Western Division Worst Performing Circuits

5.3.1 CIRCUIT 109-4-34

Circuit 109-4-34 was ranked first in the Western Division under the 2025 Circuit Priority Rating system. The circuit originates from the Washington Heights Substation in Middletown, New York, and serves 1,977 customers over approximately 73 circuit miles.

In 2025, the circuit experienced 48 interruptions, affecting 8,035 customers and resulting in 12,660.1 customer-hours of interruption. The table below identifies the one-year outage data associated with Circuit 109-4-34, grouped by cause.

One-Year Summary (1/1/2025 - 12/31/2025) 109-4-34						
Cause	**No. of Interruptions**	**Pct. of Interruptions**	**Customers Affected**	**Pct. of Customers Affected**	**Customer Hours**	**Pct. of Customer-Hours**
Animal: Squirrel	1	0.0	34	0.0	100.3	0.0
Branch Contact: In Trim Zone	1	0.0	1,880	0.2	344.7	0.0
Equipment Failure	7	0.1	1,514	0.2	3,545.1	0.3
No Cause Found	3	0.1	58	0.0	254.4	0.0
Non-Company Accident: MVC	6	0.1	1,488	0.2	2,599.1	0.2
Prearranged: Company	7	0.1	36	0.0	71.2	0.0
Tree Contact: In Trim Zone	20	0.4	2,876	0.4	5,420.8	0.4
Tree Contact: Out of Trim Zone	3	0.1	149	0.0	324.6	0.0
Total	**48**		**8,035**		**12,660.1**	

In 2025, tree contact within the trim zone and equipment failure were the primary contributors to circuit performance, collectively accounting for 27 interruptions (56.3%), 4,390 customers affected (54.6%), and 8,965.9 customer-hours of interruption (70.8%).

Three incidents accounted for a significant portion of the circuit's annual impact, representing 1,813 customers affected (23%) and 3,653 customer-hours of interruption (29%). The largest incident was caused by a non-Company motor vehicle accident, followed by an equipment failure and a tree contact within the trim zone.

The largest event occurred on January 12, 2025, on Mamakating Road in Mamakating, New York. This outage was caused by a non-Company motor vehicle striking a utility pole, resulting in a broken pole and primary conductors being brought to ground. A portion of the circuit was deenergized to safely complete repairs. This event accounted for 1,465 customer-hours of interruption (12% of the annual total).

The second largest event occurred on January 29, 2025, on Mamakating Road in Bloomingburg, New York. This outage was attributed to an open system neutral condition. The impacted section of the circuit was isolated to facilitate repairs and accounted for 1,294 customer-hours of interruption (10% of the annual total).

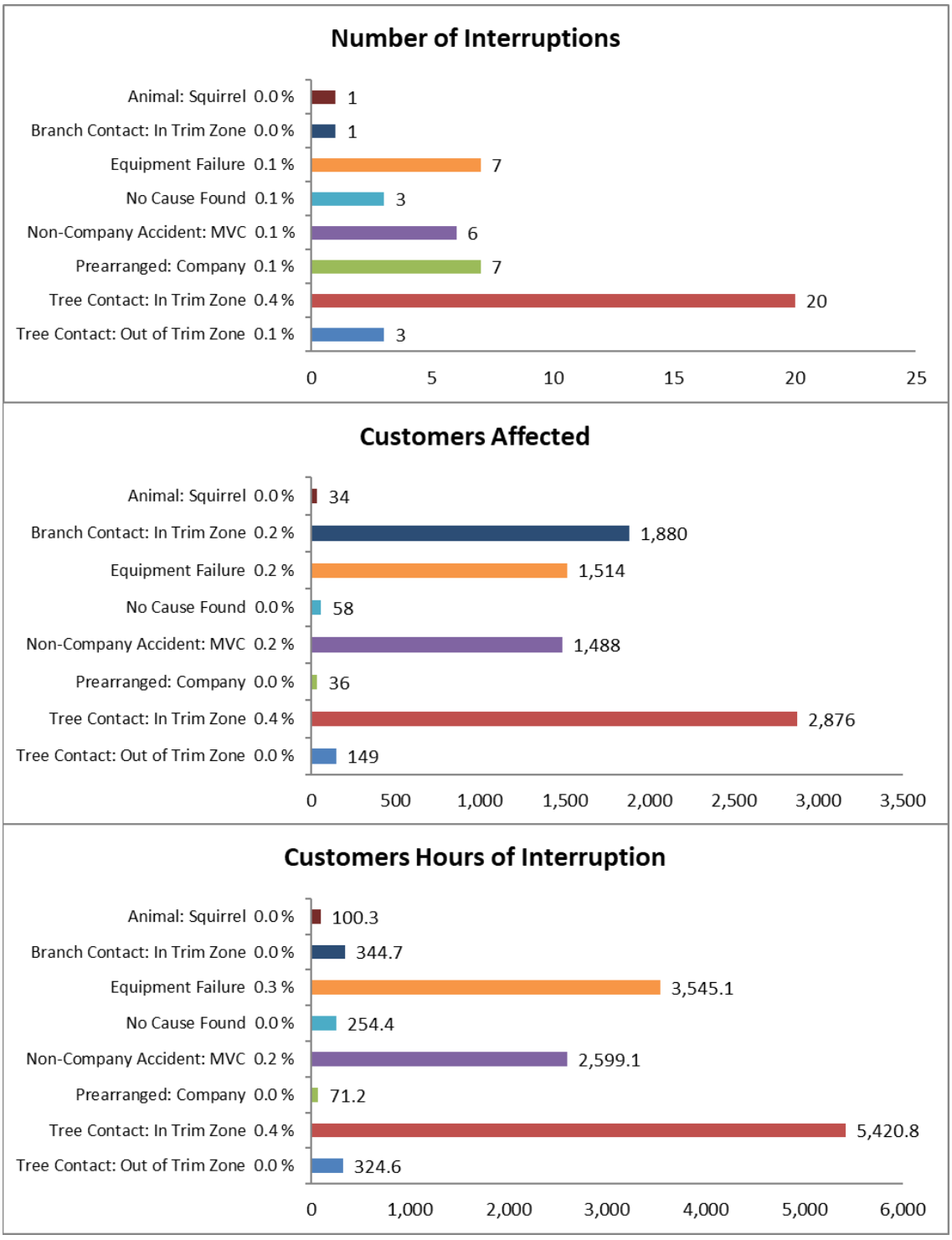
The third largest event occurred on March 3, 2025, on Route 17K in Bloomingburg, New York. This outage resulted from a large tree contacting the primary conductors and bringing down approximately three spans of wire. A portion of the circuit was deenergized to safely remove the tree and complete repairs. This event accounted for 893 customer-hours of interruption (7% of the annual total).

The remaining 45 interruptions were attributed to animal contact (squirrel), branch contact within the trim zone, additional equipment failures, no cause found events, additional non-Company motor vehicle accidents, prearranged Company outages, and additional tree-contact events both within and outside the trim zone. Collectively, these events accounted for 9,007 customer-hours of interruption (71% of the annual total).

In 2026, the Company has scheduled a detailed circuit patrol along with a Distribution Infrared Scan. The circuit will be thoroughly inspected for defective components, vegetation conditions, animal protection, and lightning protection. Identified deficiencies will be corrected following completion of the inspections.

109-4-34 At A Glance			
Circuit Stats			
	Count	**Rank Division**	**Rank Company**
Customers	2,296	28	15
Critical Customers	12	2	22
Circuit Miles	73.8	2	3
Customers/Mile	31	25	229
Connected kVA	29,518	9	27
Automation			
	Y/N	**Sister Circuit**	
Auto-Loop	Y	5-3-34 & L6	

GRAPH 5.3.1 – CIRCUIT 109-4-34 – ONE-YEAR PERFORMANCE



5.3.2 CIRCUIT 9-1-48

Circuit 9-1-48 was ranked second in the Western Division under the 2025 Circuit Priority Rating system. The circuit originates from the Wurtsboro Substation in Wurtsboro, New York, and serves 1,648 customers over approximately 33 circuit miles.

In 2025, the circuit experienced 40 interruptions, affecting 7,308 customers and resulting in 13,197 customer-hours of interruption. The table below identifies the one-year outage data associated with Circuit 9-1-48, grouped by cause.

One-Year Summary (1/1/2025 - 12/31/2025) 9-1-48						
Cause	**No. of Interruptions**	**Pct. of Interruptions**	**Customers Affected**	**Pct. of Customers Affected**	**Customer Hours**	**Pct. of Customer-Hours**
Branch Contact: In Trim Zone	4	10.0	1,706	23.3	504.2	3.8
Equipment Failure	4	10.0	1,839	25.2	496.3	3.8
No Cause Found	2	5.0	595	8.1	1,895.5	14.4
Prearranged: Company	7	17.5	552	7.6	3,296.4	25.0
Tree Contact: In Trim Zone	23	57.5	2,616	35.8	7,004.7	53.1
Total	**40**		**7,308**		**13,197.0**	

In 2025, tree contact within the trim zone was the primary contributor to circuit performance, accounting for 23 interruptions (57.5%), 2,616 customers affected (35.8%), and 7,004.7 customer-hours of interruption (53.1%). Prearranged Company outages accounted for seven interruptions (17.5%) and 3,296.4 customer-hours of interruption (25.0%).

Three incidents accounted for a significant portion of the circuit's annual impact, representing 5,058 customers affected (69%) and 3,287 customer-hours of interruption (25%). The largest incident was due to equipment failure, while the second and third largest incidents were the result of branch contact and tree contact within the trim zone, respectively.

The largest event occurred on January 16, 2025, on Route 209 in Wurtsboro, New York. This outage was caused by a failed tap on a disconnect switch and accounted for 1,805 customers affected, representing 25% of the total customers affected for the year.

The second largest event occurred on March 22, 2025, on Mount Prosper Road in Wurtsboro, New York. This outage resulted from branch contact with the primary conductors within the first protective zone. The circuit was deenergized to safely remove the branch and complete repairs. This event accounted for 1,627 customers affected, representing 22% of the total customers affected.

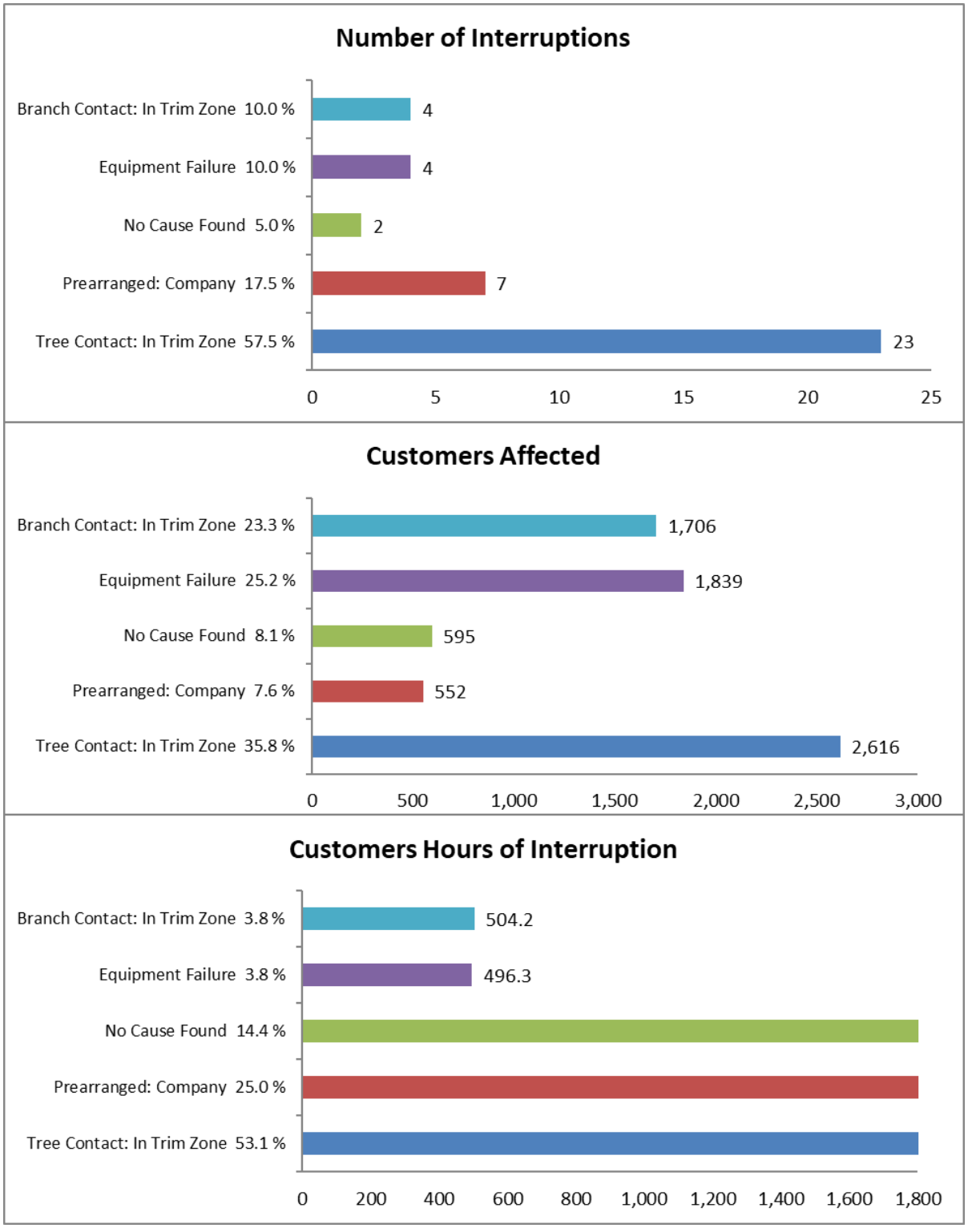
The third largest event occurred on March 16, 2025, on Penna Avenue in Mamakating, New York. This outage was caused by a large tree contacting the primary conductors. The circuit was deenergized to safely remove the tree and complete repairs. This event accounted for 2,597 customer-hours of interruption, representing 22% of the total customer-hours recorded.

The remaining 36 interruptions were attributed to animal contact (squirrel), additional branch contact within the trim zone, equipment failures, a lightning related event, no cause found events, a non-Company motor vehicle accident, prearranged Company outages, additional tree-contact events within the trim zone, and tree contact outside the trim zone. Collectively, these events accounted for 9,910 customer-hours of interruption (75% of the annual total).

In 2026, the Company has scheduled a detailed circuit patrol along with a Distribution Infrared Scan. The circuit will be thoroughly inspected for defective components, vegetation conditions, animal protection, and lightning protection. The Company intends to correct identified deficiencies following completion of the inspections.

9-1-48 At A Glance			
Circuit Stats			
	Count	**Rank Division**	**Rank Company**
Customers	1,648	11	58
Critical Customers	6	16	102
Circuit Miles	33.4	21	50
Customers/Mile	49	18	162
Connected kVA	14,507	34	190
Automation			
	Y/N	**Sister Circuit**	
Auto-Loop	N	NA	

GRAPH 5.3.2 – CIRCUIT 9-1-48 – ONE-YEAR PERFORMANCE



5.3.3 CIRCUIT 6-4-13

Circuit 6-4-13 was ranked third in the Western Division under the 2025 Circuit Priority Rating system. The circuit originates from Port Jervis and serves 1,884 customers over approximately 40 circuit miles.

In 2025, the circuit experienced 40 interruptions, affecting 4,774 customers and resulting in 9,627.8 customer-hours of interruption. The table below identifies the one-year outage data associated with Circuit 6-4-13, grouped by cause.

One-Year Summary (1/1/2025 - 12/31/2025) 6-4-13						
Cause	**No. of Interruptions**	**Pct. of Interruptions**	**Customers Affected**	**Pct. of Customers Affected**	**Customer Hours**	**Pct. of Customer-Hours**
Branch Contact: In Trim Zone	1	2.5	15	0.3	99.8	1.0
Equipment Failure	6	15.0	290	6.1	491.7	5.1
No Cause Found	5	12.5	191	4.0	684.6	7.1
Prearranged: Company	7	17.5	29	0.6	32.0	0.3
Tree Contact: In Trim Zone	18	45.0	4,222	88.4	8,266.4	85.9
Tree Contact: Out of Trim Zone	3	7.5	27	0.6	53.5	0.6
Total	**40**		**4,774**		**9,627.8**	

In 2025, tree contact within the trim zone was the primary contributor to circuit performance, accounting for 18 interruptions (45.0%), 4,222 customers affected (88.4%), and 8,266.4 customer-hours of interruption (85.9%).

Three incidents accounted for a significant portion of the circuit's annual impact, representing 1,781 customers affected (56%) and 4,684 customer-hours of interruption (66%). All three incidents were the result of tree contact within the trim zone.

The largest event occurred on November 11, 2025, on Delaware Avenue in Deerpark, New York. This outage was caused by a large tree falling onto the primary conductors and breaking a pole. This event accounted for 2,505 customer-hours of interruption, representing 26% of the annual total.

The second largest event occurred on July 6, 2025, also on Delaware Avenue in Deerpark, New York. This outage resulted from a large tree contacting the primary conductors. The circuit was deenergized to safely remove the tree and complete repairs. This event accounted for 2,339 customer-hours of interruption, representing 24% of the annual total.

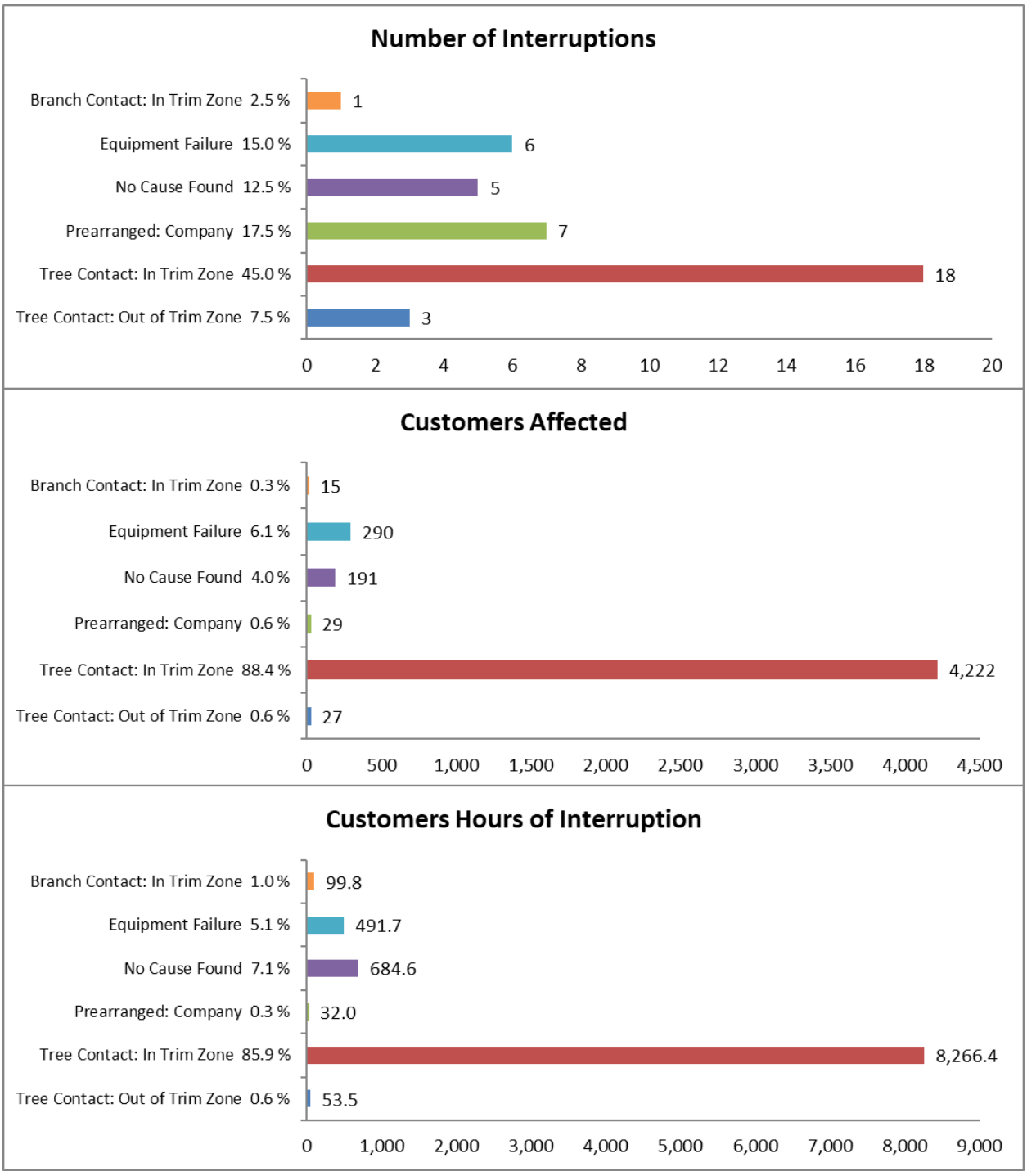
The third largest event occurred on October 20, 2025, on Main Street in Sparrow Bush, New York. This outage was caused by a large tree contacting the primary conductors. The circuit was deenergized to safely remove the tree and complete repairs. This event accounted for 1,876 customer-hours of interruption, representing 19% of the annual total.

The remaining 37 interruptions were attributed to equipment failures, no cause found events, prearranged Company outages, additional tree-contact events within the trim zone, branch contact within the trim zone, and tree contact outside the trim zone. Collectively, these events accounted for 2,908 customer-hours of interruption (30% of the annual total).

In 2026, the Company has scheduled a detailed circuit patrol along with a Distribution Infrared Scan. The circuit will be thoroughly inspected for defective components, vegetation conditions, animal protection, and lightning protection. The Company intends to correct identified deficiencies following completion of the inspections.

6-4-13 At A Glance			
Circuit Stats			
	Count	**Rank Division**	**Rank Company**
Customers	1,057	24	140
Critical Customers	2	33	208
Circuit Miles	42	16	30
Customers/Mile	25	30	244
Connected kVA	17,127	27	146
Automation			
	Y/N	**Sister Circuit**	
Auto-Loop	N	NA	

GRAPH 5.3.3 – CIRCUIT 6-4-13 – ONE-YEAR PERFORMANCE



5.3.4 CIRCUIT 12-1-13

Circuit 12-1-13 was ranked fourth in the Western Division under the 2025 Circuit Priority Rating system. The circuit originates from the Bloomingburg Substation in Bloomingburg, New York, and serves 2,083 customers over approximately 68 circuit miles.

In 2025, the circuit experienced 52 interruptions, affecting 4,948 customers and resulting in 10,232.4 customer-hours of interruption. The table below identifies the one-year outage data associated with Circuit 12-1-13, grouped by cause.

One-Year Summary (1/1/2025 - 12/31/2025) 12-1-13						
Cause	**No. of Interruptions**	**Pct. of Interruptions**	**Customers Affected**	**Pct. of Customers Affected**	**Customer Hours**	**Pct. of Customer-Hours**
Branch Contact: In Trim Zone	5	9.6	251	5.1	790.2	7.7
Branch Contact: Out of Trim Zone	1	1.9	13	0.3	162.9	1.6
Equipment Failure	5	9.6	2,109	42.6	2,193.8	21.4
No Cause Found	6	11.5	265	5.4	855.9	8.4
Non-Company Accident: MVC	2	3.8	5	0.1	8.0	0.1
Non-Company Accident: UG	2	3.8	14	0.3	28.6	0.3
Prearranged: Company	4	7.7	13	0.3	50.8	0.5
Tree Contact: In Trim Zone	24	46.2	2,256	45.6	6,093.8	59.6
Tree Contact: Out of Trim Zone	1	1.9	6	0.1	20.2	0.2
Vine Contact	2	3.8	16	0.3	28.1	0.3
Total	**52**		**4,948**		**10,232.4**	

In 2025, tree contact within the trim zone was the primary contributor to circuit performance, accounting for 24 interruptions (46.2%), 2,256 customers affected (45.6%), and 6,093.8 customer-hours of interruption (59.6%). Equipment failure was the second largest contributor, accounting for five interruptions (9.6%), 2,109 customers affected (42.6%), and 2,193.8 customer-hours of interruption (21.4%).

Three incidents accounted for a significant portion of the circuit's annual impact, representing 2,493 customers affected (50%) and 3,739 customer-hours of interruption (37%). The largest incident was due to equipment failure, while the second and third largest incidents were the result of tree contact within the trim zone.

The largest event occurred on January 29, 2025, on Route 17M in Bloomingburg, New York. This outage was caused by a failed transformer that resulted in a phase conductor melting and falling to the ground and was classified as an equipment failure. This event accounted for 2,103 customer-hours of interruption (21% of the annual total).

The second largest event occurred on May 5, 2025, on Roosa Gap Road in Bloomingburg, New York. This outage resulted from a large tree contacting the primary conductors and breaking all three phases to the ground. This event accounted for 990 customer-hours of interruption (10% of the annual total).

The third largest event occurred on March 6, 2025, on Pleasant Valley Road in Pine Bush, New York. This outage was caused by a large tree contacting the primary conductors. A portion of the circuit was deenergized to safely remove the tree and complete repairs. This event accounted for 646 customer-hours of interruption (6% of the annual total).

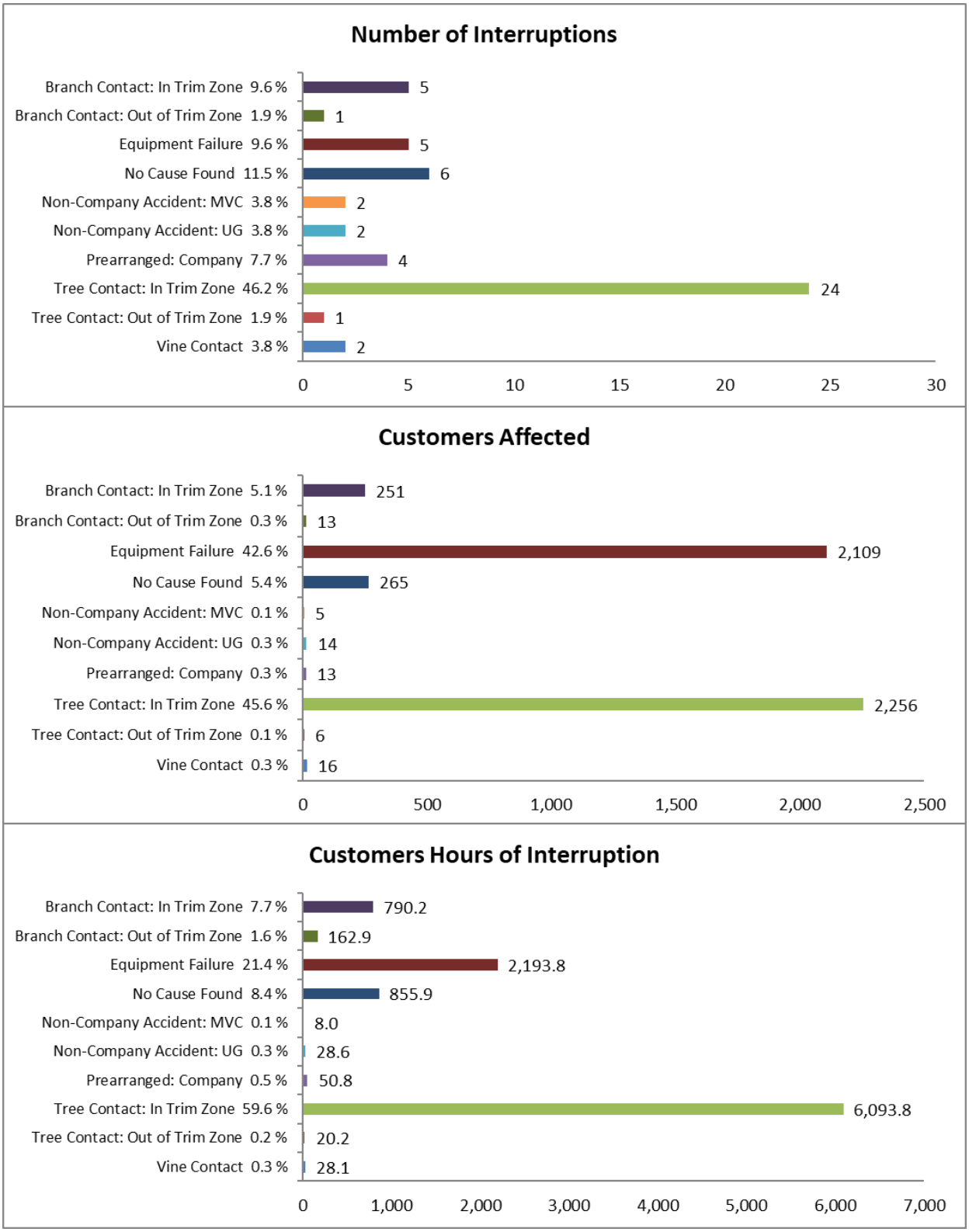
The remaining 49 interruptions were attributed to branch contact events both within and outside the trim zone, additional equipment failures, no cause found events, non-Company accidents (motor vehicle and underground), prearranged Company outages, additional tree-contact events within and outside the trim zone, and vine contact. Collectively, these events accounted for 6,494 customer-hours of interruption (63% of the annual total).

In 2026, the Company has scheduled a detailed circuit patrol along with a Distribution Infrared Scan. The circuit will be thoroughly inspected for defective components, vegetation conditions, animal protection, and lightning protection. The Company intends to correct identified deficiencies following completion of the inspections.

12-1-13 At A Glance

Circuit Stats			
	Count	**Rank Division**	**Rank Company**
Customers	2,083	6	25
Critical Customers	3	27	177
Circuit Miles	67.6	4	6
Customers/Mile	31	26	230
Connected kVA	25,145	13	50
Automation			
	Y/N	**Sister Circuit**	
Auto-Loop	Y	102-3-13	

GRAPH 5.3.4 – CIRCUIT 12-1-13 – ONE-YEAR PERFORMANCE



5.3.5 CIRCUIT 10-2-13

Circuit 10-2-13 was ranked fifth in the Western Division under the 2025 Circuit Priority Rating system. The circuit originates from the Summitville Substation in Summitville, New York, and serves 909 customers over approximately 54 circuit miles.

In 2025, the circuit experienced 40 interruptions, affecting 3,550 customers and resulting in 9,899.3 customer-hours of interruption. The table below identifies the one-year outage data associated with Circuit 10-2-13, grouped by cause.

One-Year Summary (1/1/2025 - 12/31/2025) 10-2-13						
Cause	**No. of Interruptions**	**Pct. of Interruptions**	**Customers Affected**	**Pct. of Customers Affected**	**Customer Hours**	**Pct. of Customer-Hours**
Animal: Squirrel	1	2.5	46	1.3	150.3	1.5
Branch Contact: In Trim Zone	1	2.5	30	0.8	109.0	1.1
Branch Contact: Out of Trim Zone	1	2.5	15	0.4	40.3	0.4
Equipment Failure	2	5.0	814	22.9	1,019.2	10.3
No Cause Found	4	10.0	69	1.9	258.7	2.6
Prearranged: Company	3	7.5	860	24.2	2,301.3	23.2
Tree Contact: In Trim Zone	25	62.5	1,573	44.3	4,846.9	49.0
Tree Contact: Out of Trim Zone	3	7.5	143	4.0	1,173.7	11.9
Total	**40**		**3,550**		**9,899.3**	

In 2025, tree contact within the trim zone was the primary contributor to circuit performance, accounting for 25 interruptions (62.5%), 1,573 customers affected (44.3%), and 4,846.9 customer-hours of interruption (49.0%). Prearranged Company outages were the second largest contributor, accounting for three interruptions (7.5%), 860 customers affected (24.2%), and 2,301.3 customer-hours of interruption (23.2%).

Three incidents accounted for a significant portion of the circuit's annual impact, representing 1,797 customers affected (51%) and 4,661 customer-hours of interruption (47%). The largest incident was a prearranged Company outage, followed by a tree-contact event within the trim zone, and an equipment failure.

The largest event occurred on March 18, 2025, on Spring Glen Road in Spring Glen, New York. This outage was a Company planned, prearranged interruption required to complete scheduled work and accounted for 2,261 customer-hours of interruption (23% of the annual total).

The second largest event occurred on July 5, 2025, on Phillipsport Road in Spring Glen, New York. This outage resulted from a large tree contacting the primary conductors, causing a pole to break and conductors to burn to ground. The circuit was deenergized to safely remove the tree and complete repairs. This event accounted for 1,758 customer-hours of interruption (18% of the annual total).

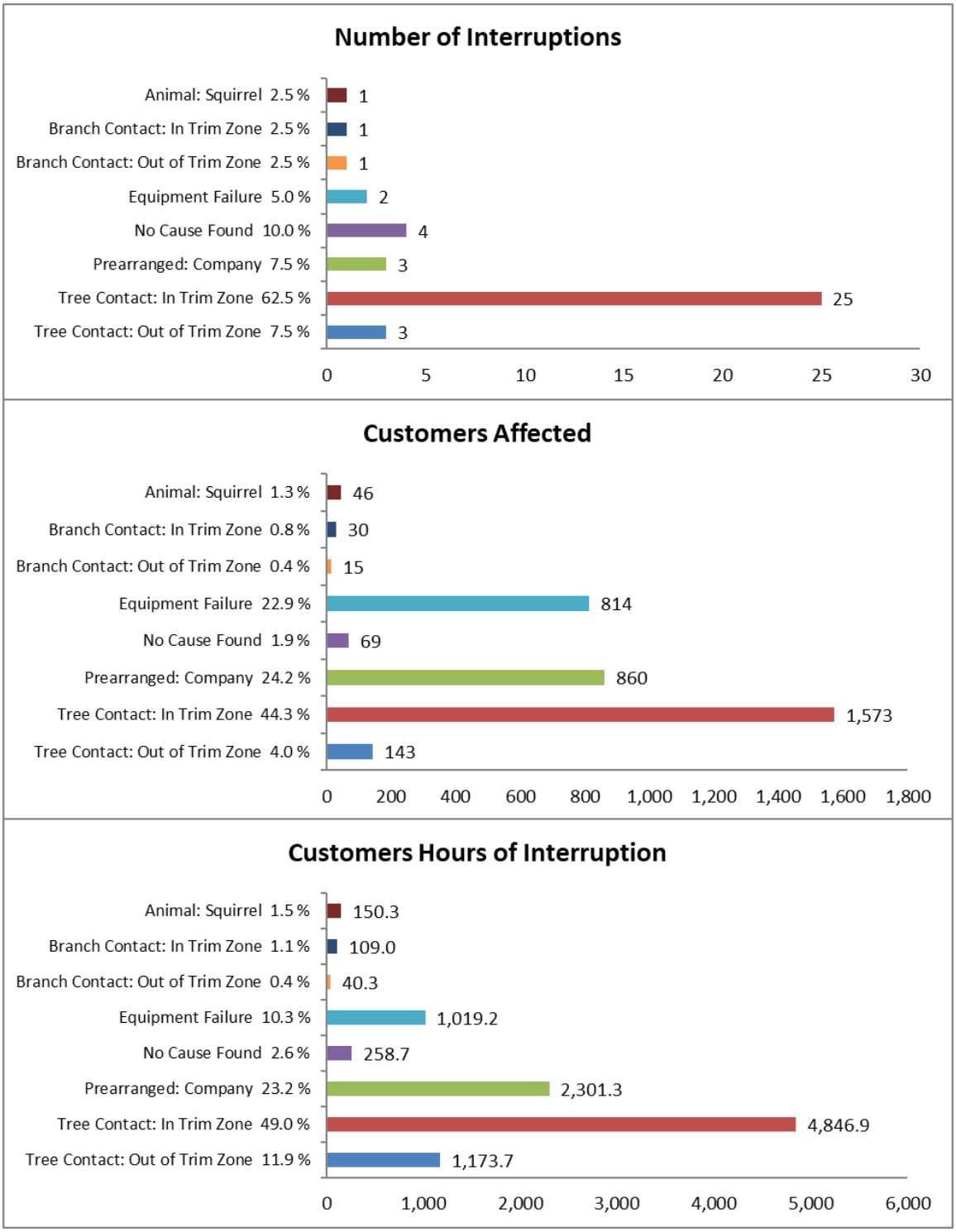
The third largest event occurred on March 11, 2025, on Route 209 in Wurtsboro, New York. This outage was caused by an equipment failure involving a broken tap on an overhead disconnect switch and accounted for 641 customer-hours of interruption (6% of the annual total).

The remaining 37 interruptions were attributed to animal contact (squirrel), branch contact events both within and outside the trim zone, additional equipment failures, no cause found events, additional prearranged Company outages, and additional tree-contact events both within and outside the trim zone. Collectively, these events accounted for 5,238 customer-hours of interruption (53% of the annual total).

In 2026, the Company has scheduled a detailed circuit patrol along with a Distribution Infrared Scan. The circuit will be thoroughly inspected for defective components, vegetation conditions, animal protection, and lightning protection. The Company intends to correct identified deficiencies following completion of the inspections.

10-2-13 At A Glance			
Circuit Stats			
	Count	**Rank Division**	**Rank Company**
Customers	909	28	169
Critical Customers	3	27	177
Circuit Miles	54.4	9	13
Customers/Mile	17	44	278
Connected kVA	14,933	33	184
Automation			
	Y/N	**Sister Circuit**	
Auto-Loop	N	NA	

GRAPH 5.3.5 – CIRCUIT 10-2-13 – ONE-YEAR PERFORMANCE



6. 2024 WPC Analysis

6.1. Overview

The following section of this Report reviews and discusses the performance of circuits identified in 2024 as being the worst performers in each of the Company's three operating divisions.

Of the 15 circuits under consideration, 10 saw sufficient improvement in 2025 with several circuits showing improvements exceeding ten ranking positions. Performance improvement was most evident in the Eastern and Central Divisions where the majority of the circuits moved out of the lowest rankings. In the Eastern Division, four circuits improved significantly, while one circuit remained on the list of worst performers and declined further. In the Central Division, all five circuits improved their rankings, though one circuit remained on the list of worst performers for a second consecutive year with only marginal change. In the Western Division, three circuits identified in 2024 remained among the worst performers, with two retaining their prior year positions, and one showing improvement (see tables below).

Rank	Eastern		Central		Western	
	2024	2025	2024	2025	2024	2025
1	54-7-13	17-2-13	80-3-13	80-2-13	109-4-34	109-4-34
2	19-11-13	27-3-13	61-9-13	84-1-13	5-3-34	9-1-48
3	17-2-13	51-6-13	80-5-13	86-8-13	12-1-13	6-4-13
4	22-2-13	19-10-13	71-2-13	67-1-13	103-4-13	12-1-13
5	23-1-13	45-9-13	89-2-13	71-2-13	10-2-13	10-2-13

Note: Red indicates repeat circuit from previous year

Circuit	Division	2024 Rank	2025 Rank	Performance Change
54-7-13	East	1	33	▲ 32
19-11-13	East	2	16	▲ 14
17-2-13	East	3	1	▼ -2
22-2-13	East	4	7	▲ 3
23-1-13	East	5	19	▲ 14
80-3-13	Central	1	7	▲ 6
61-9-13	Central	2	19	▲ 17
80-5-13	Central	3	14	▲ 11
71-2-13	Central	4	5	▲ 1
89-2-13	Central	5	18	▲ 13
109-4-34	West	1	1	▲ 0
5-3-34	West	2	7	▲ 5
12-1-13	West	3	4	▲ 1
103-4-13	West	4	8	▲ 4
10-2-13	West	5	5	▲ 0

6.2 Eastern Division

6.2.1 CIRCUIT 54-7-13

Circuit 54-7-13 ranked first among the worst performers in the Eastern Division under the 2024 Circuit Priority Rating system and improved to 33rd in the Eastern Division under the 2025 Priority Circuit Rating system. The circuit originates at the Orangeburg Substation in Orangeburg, New York, and serves 1,404 customers over approximately 17 circuit miles.

In 2024, the circuit experienced 27 interruptions, affecting 4,976 customers and resulting in 5,973 customer-hours of interruption. In 2025, interruptions declined to 14, affecting 888 customers and resulting in 799 customer-hours of interruption.

A review of 2024 versus 2025 data identified an improvement of 5,174 customer-hours of interruption (87%) and 4,088 customers affected (82%). The tables below identify the outage data associated with Circuit 54-7-13 for each of the respective years, grouped by cause.

One-Year Summary (1/1/2024 - 12/31/2024) 54-7-13						
Cause	**No. of Interruptions**	**Pct. of Interruptions**	**Customers Affected**	**Pct. of Customers Affected**	**Customer Hours**	**Pct. of Customer-Hours**
Animal: Squirrel	3	11.1	238	4.8	284.2	4.8
Equipment Failure	8	29.6	537	10.8	778.6	13.0
Lightning: Previous	1	3.7	7	0.1	42.2	0.7
No Cause Found	3	11.1	53	1.1	97.2	1.6
Non-Company Accident: MVC	1	3.7	916	18.4	198.5	3.3
Prearranged: Company	5	18.5	149	3.0	78.1	1.3
Tree Contact: In Trim Zone	5	18.5	1,680	33.8	1,779.3	29.8
Vine Contact	1	3.7	1,396	28.1	2,715.8	45.5
Total	**27**		**4,976**		**5,973.9**	

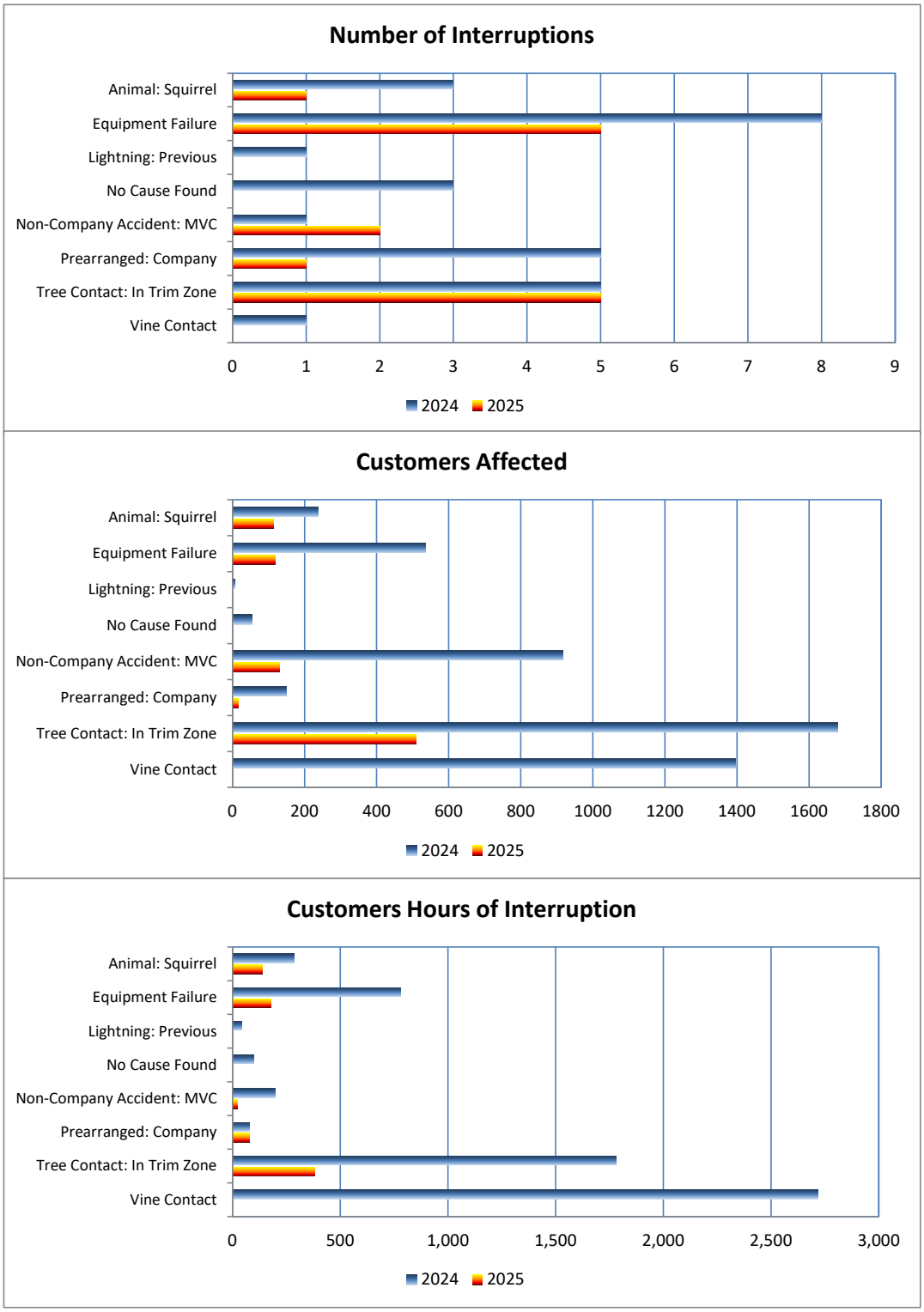
One-Year Summary (1/1/2025 - 12/31/2025) 54-7-13						
Cause	**No. of Interruptions**	**Pct. of Interruptions**	**Customers Affected**	**Pct. of Customers Affected**	**Customer Hours**	**Pct. of Customer-Hours**
Animal: Squirrel	1	7.20	114	12.8	138.7	17.4
Equipment Failure	5	35.7	119	13.4	177.4	22.2
Lightning: Previous	0	0.0	0	0.0	0.0	0.0
No Cause Found	0	0.0	0	0.0	0.0	0.0
Non-Company Accident: MVC	2	14.3	130	14.7	22.7	2.8
Prearranged: Company	1	7.1	15	1.7	80.0	10.0
Tree Contact: In Trim Zone	5	35.7	510	57.4	380.3	47.6
Vine Contact	0	0.0	0	0.0	0.0	0.0
Total	**14**		**888**		**799.1**	

In 2024, three incidents accounted for 2,623 (53%) of customers affected and 4,252 (71%) of customer-hours of interruption, with the largest incident attributed to vine contact and the remaining incidents attributed to tree contact within the trim zone.

In 2025, the circuit experienced a reduction in vegetation related interruptions and total outage frequency, resulting in removal from the list of worst performing circuits.

For 2026, the Company has scheduled a detailed circuit patrol and Distribution Infrared Scan. This circuit will be thoroughly patrolled for broken and defective components, vegetation contact, missing animal guards, and lightning protection. The Company will correct all deficiencies discovered in a timely manner.

GRAPH 6.2.1 CIRCUIT 54-7-13, YEAR-OVER-YEAR PERFORMANCE 2024 – 2025



6.2.2 CIRCUIT 19-11-13

Circuit 19-11-13 ranked second in the Eastern Division under the 2024 Circuit Priority Rating system and improved to 16th in the Eastern Division under the 2025 Priority Circuit Rating system. The circuit originates from the Burns Substation in Spring Valley, New York, and serves 1,933 customers over approximately 15 circuit miles.

In 2024, the circuit experienced 48 interruptions, affecting 2,842 customers and resulting in 5,345 customer-hours of interruption. In 2025, interruptions decreased to 21, affecting 1,928 customers and resulting in 2,555 customer-hours- of interruption.

A review of 2024 versus 2025 data identified a reduction of 2,790 customer-hours- of interruption (52%) and a decrease of 914 customers affected (32%).

The tables below summarize outage data for Circuit 19-11-13 for each respective year, grouped by cause.

One-Year Summary (1/1/2024 - 12/31/2024) 19-11-13						
Cause	**No. of Interruptions**	**Pct. of Interruptions**	**Customers Affected**	**Pct. of Customers Affected**	**Customer Hours**	**Pct. of Customer-Hours**
Animal: Bird	1	2.1	39	1.4	98.8	1.9
Animal: Other	1	2.1	49	1.7	89.8	1.7
Animal: Squirrel	8	16.7	265	9.3	524.8	9.8
Branch Contact: In Trim Zone	1	2.1	22	0.8	111.5	2.1
Equipment Failure	7	14.6	75	2.6	235.1	4.4
No Cause Found	1	2.1	6	0.2	12.5	0.2
Non-Company Accident: MVC	1	2.1	388	13.7	200.5	3.8
Non-Company Accident: OH	1	2.1	5	0.2	6.3	0.1
Non-Company Accident: Other	1	2.1	3	0.1	2.3	0.04
Overload: Customer	1	2.1	16	0.6	18.4	0.3
Prearranged: Company	19	39.6	406	14.3	855.5	16.0
Tree Contact: In Trim Zone	6	12.5	1,568	55.2	3,190.4	59.7
Total	**48**		**2,842**		**5,345.7**	

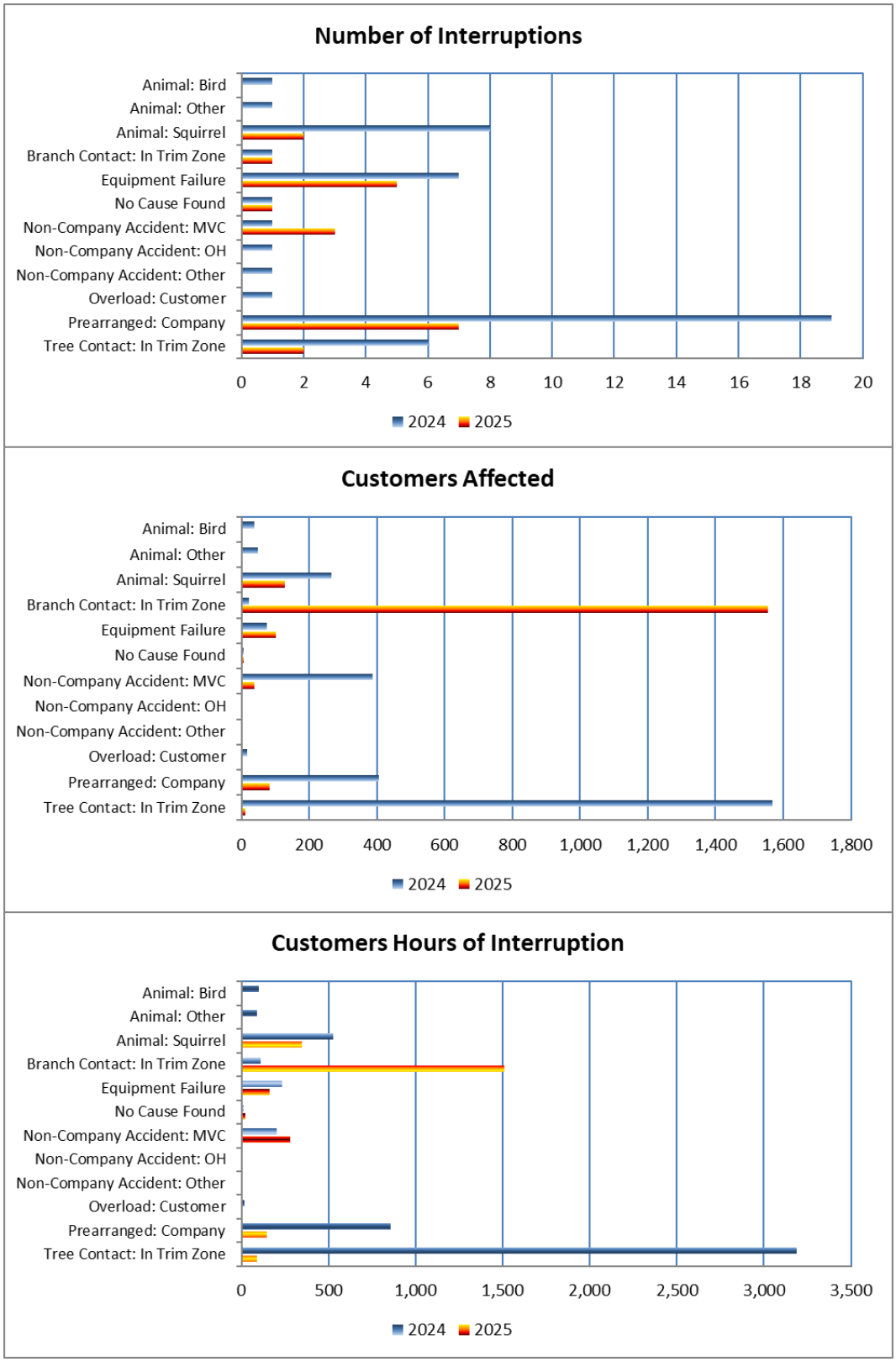
One-Year Summary (1/1/2025 - 12/31/2025) 19-11-13						
Cause	**No. of Interruptions**	**Pct. of Interruptions**	**Customers Affected**	**Pct. of Customers Affected**	**Customer Hours**	**Pct. of Customer-Hours**
Animal: Bird	0	0.0	0	0.0	0.0	0.0
Animal: Other	0	0.0	0	0.0	0.0	0.0
Animal: Squirrel	2	9.5	129	6.7	348.2	13.6
Branch Contact: In Trim Zone	1	4.8	1,556	80.7	1,508.2	59.0
Equipment Failure	5	23.8	102	5.3	163.4	6.4
No Cause Found	1	4.8	6	0.3	21.8	0.9
Non-Company Accident: MVC	3	14.3	39	2.0	278.6	10.9
Non-Company Accident: OH	0	0.0	0	0.0	0.0	0.0
Non-Company Accident: Other	0	0.0	0	0.0	0.0	0.0
Overload: Customer	0	0.0	0	0.0	0.0	0.0
Prearranged: Company	7	33.3	84	4.4	145.6	5.7
Tree Contact: In Trim Zone	2	9.5	12	0.6	89.6	3.5
Total	**21**		**1,928**		**2,555.4**	

In 2024, three incidents accounted for 1,945 (68%) of customers affected and 3,477 (68%) of customer-hours of interruption. The largest incident was attributed to tree contact, while the second and third largest incidents were due to prearranged Company activity and a non-Company motor vehicle accident.

In 2025, the circuit experienced a reduction in the number of interruptions, customers affected, and customer-hours of interruption, driven primarily by reduced branch and tree contact related outages. These improvements contributed to the circuit's removal from the list of worst performing circuits.

In 2026, the Company has scheduled a detailed circuit patrol along with a Distribution Infrared Scan. The circuit will be inspected for defective components, animal protection, lightning protection, and vegetation conditions, and identified deficiencies will be corrected following inspection.

GRAPH 6.2.2 CIRCUIT 19-11-13, YEAR-OVER-YEAR PERFORMANCE 2024 – 2025



6.2.3 CIRCUIT 17-2-13

Circuit 17-2-13 ranked third in the Eastern Division under the 2024 Circuit Priority Rating system and declined to first in the Eastern Division under the 2025 Priority Circuit Rating system. The circuit originates from the Hillburn Substation in Hillburn, New York, and serves 2,474 customers over approximately 20 circuit miles.

In 2024, the circuit experienced 20 interruptions, affecting 1,778 customers and resulting in 5,521 customer-hours of interruption. In 2025, interruptions increased to 30, affecting 5,593 customers and resulting in 3,835 customer-hours of interruption. A review of 2024 versus 2025 data identified a decrease of 1,685 customer-hours- of interruption (31%) while customers affected increased by 3,815 (68%).

The tables below summarize the outage data associated with Circuit 17-2-13 for each respective year, grouped by cause.

One-Year Summary (1/1/2024 - 12/31/2024) 17-2-13						
Cause	**No. of Interruptions**	**Pct. of Interruptions**	**Customers Affected**	**Pct. of Customers Affected**	**Customer Hours**	**Pct. of Customer-Hours**
Animal: Bird	0	0.0	0	0.0	0.0	0.0
Animal: Other	1	5.0	159	8.9	365.7	6.6
Animal: Squirrel	2	10.0	62	3.5	105.9	1.9
Equipment Failure	10	50.0	130	7.3	446.5	8.1
Lightning: Present	1	5.0	64	3.6	209.1	3.8
No Cause Found	0	0.0	0	0.0	0.0	0.0
Non-Company Accident: MVC	1	5.0	10	0.6	4.8	0.1
Prearranged: Company	3	15.0	20	1.1	47.8	0.9
Tree Contact: In Trim Zone	2	10.0	1,333	75.0	4,341.5	78.6
Total	**20**		**1,778**		**5,521.2**	

One-Year Summary (1/1/2025 - 12/31/2025) 17-2-13						
Cause	**No. of Interruptions**	**Pct. of Interruptions**	**Customers Affected**	**Pct. of Customers Affected**	**Customer Hours**	**Pct. of Customer-Hours**
Animal: Bird	1	3.3	20	0.3	29.7	0.8
Animal: Other	1	3.3	43	0.8	93.2	2.4
Animal: Squirrel	1	3.3	3	0.1	7.2	0.2
Equipment Failure	17	56.7	5,104	91.2	2588.1	67.5
Lightning: Present	0	0.0	0	0.0	0.0	0.0
No Cause Found	2	6.7	32	0.6	28.9	0.8
Non-Company Accident: MVC	2	6.7	56	1.0	178.5	4.6
Prearranged: Company	3	10.0	40	0.7	135.1	3.5
Tree Contact: In Trim Zone	3	10.0	295	5.3	775.1	20.2
Total	**30**		**5,593**		**3,835.8**	

In 2024, three incidents accounted for 1,496 (84%) of all customers affected and 4,802 (87%) of all customer-hours of interruption for the year. The largest incident was due to tree contact, while the second and third largest incidents were due to animal contact and equipment failure. Consistent with the 2024 cause summary, tree contact within the trim zone accounted for the majority of customer-hours- of interruption.

In 2025, the circuit's performance declined due to an increase in equipment failure interruptions. Equipment failure accounted for 17 interruptions (56.7%) and represented the majority of customers affected (91.2%) and customer-hours of interruption (67.5%). Over the same period, tree contact within the trim zone was reduced as a contributor to total impact when compared to 2024. The increase in equipment failures and overall interruption frequency contributed to the circuit's higher priority ranking in 2025.

In 2026, the Company has scheduled a detailed circuit patrol along with a Distribution Infrared Scan. The circuit will be inspected for defective components, animal protection, lightning protection, and vegetation conditions, and identified deficiencies will be corrected following inspection.

GRAPH 6.2.3 CIRCUIT 17-2-13, YEAR-OVER-YEAR PERFORMANCE 2024 – 2025

6.2.4 CIRCUIT 22-2-13

Circuit 22-2-13 ranked fourth in the Eastern Division under the 2024 Circuit Priority Rating system and improved to seventh in the Eastern Division under the 2025 Priority Circuit Rating system. The circuit originates from the Congers Substation in Congers, New York, and serves 1,289 customers over approximately 25 circuit miles.

In 2024, the circuit experienced 35 interruptions, affecting 3,275 customers and resulting in 2,635 customer-hours of interruption. In 2025, interruptions decreased to 16, affecting 2,003 customers and resulting in 2,785 customer-hours of interruption. A review of 2024 versus 2025 data identified an increase of 149 customer-hours of interruption (5.7%) while customers affected decreased by 1,272 (39%).

The tables below identify the outage data associated with Circuit 22-2-13 for each respective year, grouped by cause.

One-Year Summary (1/1/2024 - 12/31/2024) 22-2-13						
Cause	**No. of Interruptions**	**Pct. of Interruptions**	**Customers Affected**	**Pct. of Customers Affected**	**Customer Hours**	**Pct. of Customer-Hours**
Animal: Bird	0	0.0	0	0.0	0.0	0.0
Animal: Squirrel	6	17.1	128	3.9	219.0	8.3
Branch Contact: In Trim Zone	0	0.0	0	0.0	0.0	0.0
Equipment Failure	19	54.3	1,607	49.1	1,206.1	45.8
Lightning: Present	1	2.9	374	11.4	218.2	8.3
No Cause Found	1	2.9	3	0.1	8.5	0.3
Non-Company Accident: MVC	1	2.9	5	0.2	4.8	0.2
Non-Company Accident: Other	1	2.9	3	0.1	15.4	0.6
Non-Company Accident: UG	1	2.9	7	0.2	19.7	0.8
Prearranged: Company	3	8.6	16	0.5	9.6	0.4
Tree Contact: In Trim Zone	2	5.7	1,132	34.6	934.5	35.5
Total	**35**		**3,275**		**2,635.7**	

One-Year Summary (1/1/2025 - 12/31/2025) 22-2-13						
Cause	**No. of Interruptions**	**Pct. of Interruptions**	**Customers Affected**	**Pct. of Customers Affected**	**Customer Hours**	**Pct. of Customer-Hours**
Animal: Bird	2	12.5	156	7.9	318.8	11.4
Animal: Squirrel	2	12.5	57	2.9	119.3	4.3
Branch Contact: In Trim Zone	2	12.5	1,459	72.8	881.1	31.6
Equipment Failure	5	31.3	275	13.7	1,359.3	48.8
Lightning: Present	0	0.0	0	0.0	0.0	0.0
No Cause Found	0	0.0	0	0.0	0.0	0.0
Non-Company Accident: MVC	1	6.2	7	0.3	46.6	1.7
Non-Company Accident: Other	0	0.0	0	0.0	0.0	0.0
Non-Company Accident: UG	0	0.0	0	0.0	0.0	0.0
Pre-Arranged: Company	3	18.8	14	0.7	13.3	0.5
Tree Contact: In Trim Zone	1	6.2	35	1.7	46.7	1.7
Total	**16**		**2,003**		**2,785.0**	

In 2024, three incidents accounted for 1,506 (46%) of all customers affected and 1,152 (44%) of all customer-hours of interruption for the year. The largest incident was due to tree contact, while the second and third largest incidents were due to tree contact within the trim zone and lightning present.

In 2025, overall interruptions and customers affected declined. However, customer-hours of interruption increased, driven primarily by equipment failure (48.8% of customer-hours). Branch contact within the trim zone also accounted for the majority of customers affected (1,459; 72.8%). Tree contact within the trim zone represented a smaller portion of total impact in 2025 than in 2024.

In 2026, the Company has scheduled a detailed circuit patrol along with a Distribution Infrared Scan. The circuit will be inspected for defective components, animal protection, lightning protection, and vegetation conditions, and identified deficiencies will be corrected following inspection.

GRAPH 6.2.4 CIRCUIT 22-2-13, YEAR-OVER-YEAR PERFORMANCE 2024 – 2025

6.2.5 CIRCUIT 23-1-13

Circuit 23-1-13 ranked fifth in the Eastern Division under the 2024 Circuit Priority Rating system and improved to nineteenth in the Eastern Division under the 2025 Priority Circuit Rating system. The circuit originates from the Stony Point Substation in Stony Point, New York, and serves 1,339 customers over approximately 40 circuit miles.

In 2024, the circuit experienced 37 interruptions, affecting 3,323 customers and resulting in 2,740 customer-hours of interruption. In 2025, interruptions declined to 35, affecting 1,411 customers and resulting in 997 customer-hours of interruption. A review of 2024 versus 2025 data identified a reduction of 1,743 customer-hours- of interruption (64%) and a decrease of 1,912 customers affected (58%).

The tables below identify the outage data associated with Circuit 23-1-13 for each respective year, grouped by cause.

One-Year Summary (1/1/2024 - 12/31/2024) 23-1-13						
Cause	**No. of Interruptions**	**Pct. of Interruptions**	**Customers Affected**	**Pct. of Customers Affected**	**Customer Hours**	**Pct. of Customer-Hours**
Animal: Squirrel	1	2.7	43	1.3	28.7	1.1
Branch Contact: In Trim Zone	4	10.8	101	3.0	210.6	7.7
Equipment Failure	13	35.1	341	10.3	951.2	34.7
No Cause Found	4	10.8	806	24.3	199.3	7.3
Non-Company Accident: OH	0	0.0	0	0.0	0.0	0.0
Prearranged: Company	4	10.8	10	0.3	21.0	0.8
Tree Contact: In Trim Zone	11	29.7	2,022	60.9	1,329.9	48.5
Total	**37**		**3,323**		**2,740.7**	

One-Year Summary (1/1/2025 - 12/31/2025) 23-1-13						
Cause	**No. of Interruptions**	**Pct. of Interruptions**	**Customers Affected**	**Pct. of Customers Affected**	**Customer Hours**	**Pct. of Customer-Hours**
Animal: Squirrel	3	8.6	36	2.6	81.5	8.2
Branch Contact: In Trim Zone	3	8.6	42	3.0	75.8	7.6
Equipment Failure	9	25.7	55	3.9	127.5	12.8
No Cause Found	4	11.4	24	1.7	59.4	5.9
Non-Company Accident: OH	1	2.9	41	2.9	113.4	11.4
Prearranged: Company	4	11.4	29	2.0	60.3	6.0
Tree Contact: In Trim Zone	11	31.4	1,184	83.9	479.7	48.1
Total	**35**		**1,411**		**997.5**	

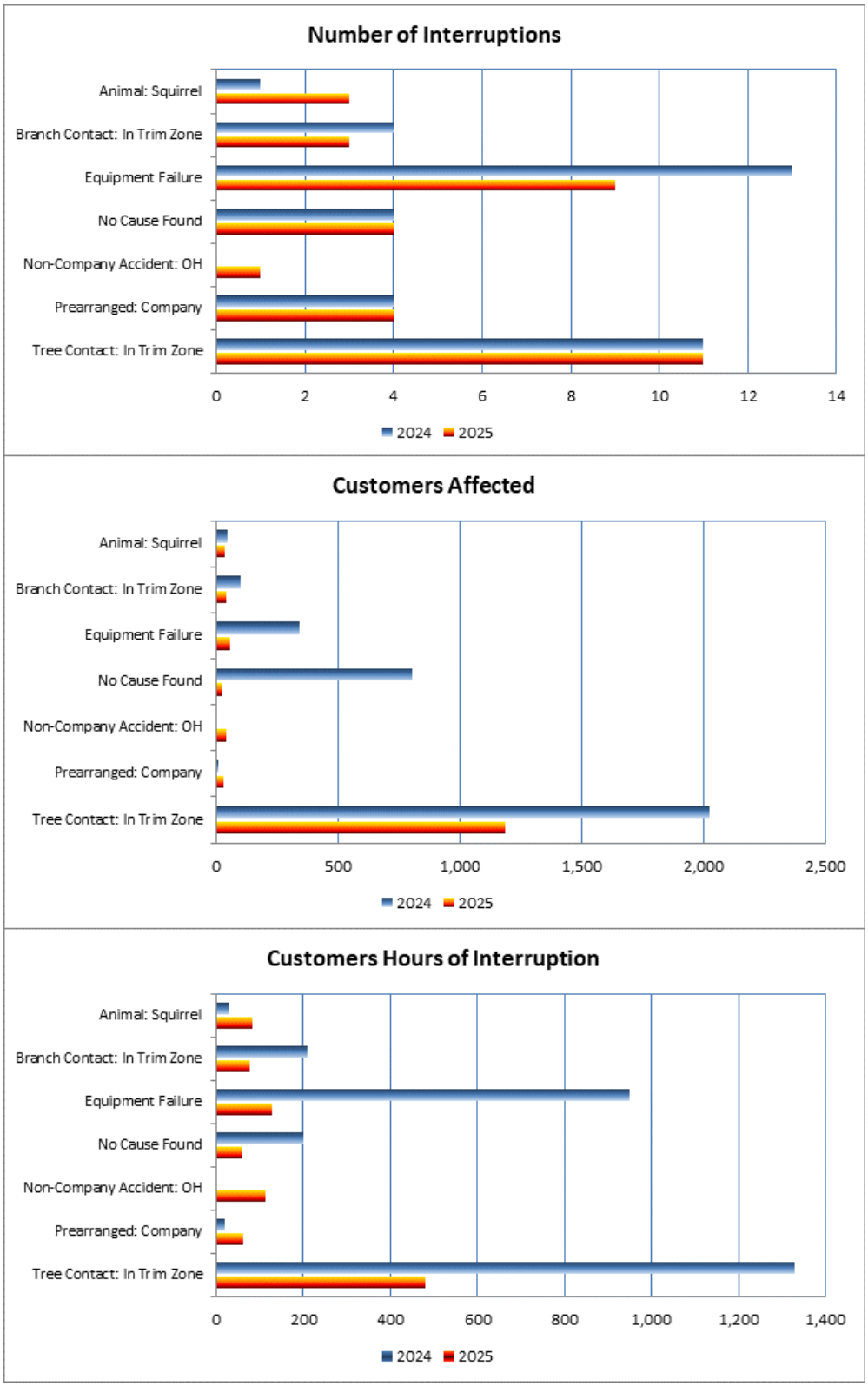
In 2024, three incidents accounted for 1,368 (41%) of all customers affected and 1,151 (42%) of all customer-hours of interruption for the year. The largest incident was due to tree contact, while the second and third largest incidents were due to equipment failure. Consistent with the 2024 cause summary, tree contact within the trim zone represented the primary contributor to customer impact (2,022 customers affected; 1,329.9 customer-hours).

In 2025, total customer-hours of interruption and customers affected declined materially, while the overall number of interruptions remained comparable to 2024. Tree contact within the trim zone remained the largest contributor to annual impact (1,184 customers affected; 479.7 customer-

hours), and equipment failure impacts declined relative to 2024 (55 customers affected; 127.5 customer-hours). Collectively, these reductions in tree contact and equipment failure impacts contributed to improved circuit performance and removal from the list of worst performing circuits.

In 2026, the Company has scheduled a detailed circuit patrol along with a Distribution Infrared Scan. The circuit will be inspected for defective components, animal protection, lightning protection, and vegetation conditions, and identified deficiencies will be corrected following inspection.

GRAPH 6.2.5 CIRCUIT 23-1-13, YEAR-OVER-YEAR PERFORMANCE 2024 - 2025



6.3 Central Division

6.3.1 Circuit 80-3-13

Circuit 80-3-13 ranked first in the Central Division under the 2024 Circuit Priority Rating system and improved to seventh in the Central Division under the 2025 Priority Circuit Rating system. The circuit originates from the Wisner Substation in Warwick, New York, and serves 3,062 customers over approximately 75 circuit miles.

In 2024, the circuit experienced 54 interruptions, affecting 3,352 customers and resulting in 11,389 customer-hours of interruption. In 2025, interruptions decreased to 45, affecting 1,952 customers and resulting in 5,203 customer-hours of interruption. A review of 2024 versus 2025 data identified a reduction of 6,185 customer-hours- of interruption (54%) and a decrease of 1,400 customers affected (42%).

The tables below identify the outage data associated with Circuit 80-3-13 for each respective year, grouped by cause.

One-Year Summary (1/1/2024 - 12/31/2024) 80-3-13						
Cause	**No. of Interruptions**	**Pct. of Interruptions**	**Customers Affected**	**Pct. of Customers Affected**	**Customer Hours**	**Pct. of Customer-Hours**
Animal - Squirrel	1	1.9	6	0.2	15.5	0.1
Branch Contact (In Trim Zone)	2	3.7	57	1.7	278.6	2.5
Equipment Failure	14	25.9	703	21.0	2,516.4	22.1
No Cause Found	5	9.3	1,226	36.6	1,989.0	17.5
Non-Company Accident - MVC	1	1.9	15	0.5	65.3	0.6
Non-Company Accident - Other	4	7.4	457	13.6	3,022.1	26.5
Prearranged - Company	6	11.1	214	6.4	487.5	4.3
Tree Contact (In Trim Zone)	20	37.0	655	19.5	2,699.0	23.7
Tree Contact (Out of Trim Zone)	1	1.9	19	0.6	315.4	2.8
Total	**54**		**3,352**		**11,388.7**	

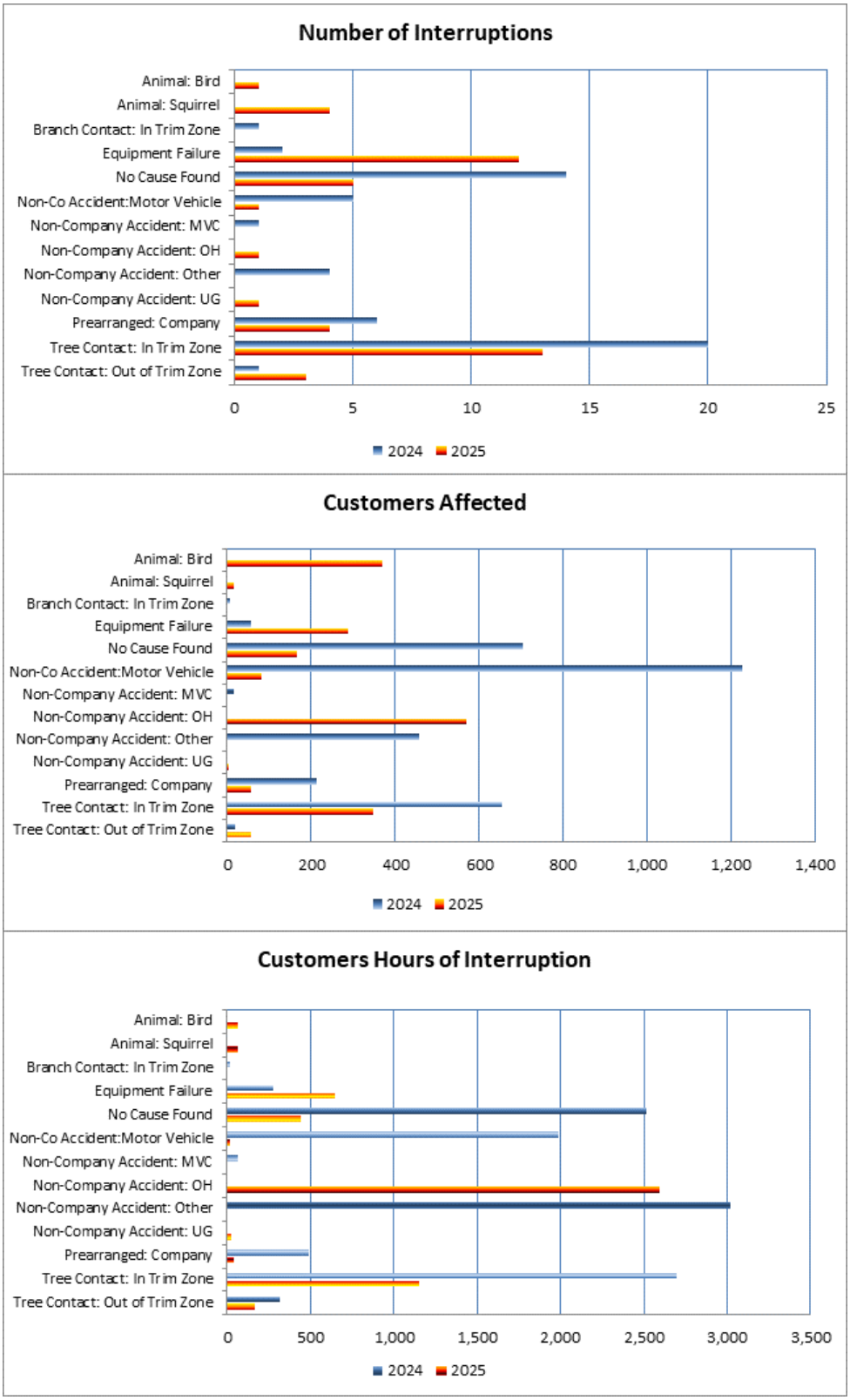
One-Year Summary (1/1/2025 - 12/31/2025) 80-3-13						
Cause	**No. of Interruptions**	**Pct. of Interruptions**	**Customers Affected**	**Pct. of Customers Affected**	**Customer Hours**	**Pct. of Customer-Hours**
Animal: Bird	1	2.2	371	19.0	61.8	1.2
Animal: Squirrel	4	8.9	15	0.8	63.9	1.2
Branch Contact: In Trim Zone	0	0.0	0	0.0	0.0	0.0
Equipment Failure	12	26.7	287	14.7	643.4	12.4
No Cause Found	5	11.1	166	8.5	445.5	8.6
Non-Company Accident: MVC	0	0.0	0	0.0	0.0	0.0
Non-Company Accident: Other	0	0.0	0	0.0	0.0	0.0
Non-Company Accident: OH	1	2.2	569	29.1	2,593.3	49.8
Non-Company Accident: UG	1	2.2	2	0.1	27.2	0.5
Non-Co Accident:Motor Vehicle	1	2.2	81	4.1	13.3	0.3
Prearranged: Company	4	8.9	57	2.9	42.8	0.8
Tree Contact: In Trim Zone	13	28.9	347	17.9	1,148.9	22.1
Tree Contact: Out of Trim Zone	3	6.7	57	2.9	162.9	3.1
Total	**45**		**1,952**		**5,203.1**	

In 2024, three incidents accounted for 2,863 (85%) of all customers affected and 3,384 (30%) of all customer-hours of interruption. The first and third largest incidents were due to tree-contact, while the second largest incident was attributed to equipment failure.

In 2025, one interruption accounted for 2,593 customer-hours of interruption (50% of the annual total). This event was the result of a non-Company accident involving downed poles near Cascade Road in Warwick, which required a significant portion of the circuit to be deenergized to complete repairs. Equipment failure and tree-contact within the trim zone remained contributors to overall circuit performance.

The Company has continued to take steps to improve the performance of Circuit 80-3-13. In 2025, a Distribution Infrared Scan and detailed circuit patrol were completed. The circuit was inspected for defective components, vegetation contact, missing animal protection, and lightning protection, and identified deficiencies were corrected in a timely manner.

GRAPH 6.3.1 CIRCUIT 80-3-13, YEAR-OVER-YEAR PERFORMANCE 2024 - 2025



6.3.2 CIRCUIT 61-9-13

Circuit 61-9-13 was ranked second in the Central Division under the 2024 Priority Circuit Rating system and improved to nineteenth in the Central Division under the 2025 Priority Circuit Rating system. The circuit originates from the Monroe Substation in Monroe, New York, and serves 2,361 customers over approximately 14 circuit miles.

In 2024, the circuit experienced 13 interruptions, affecting 4,387 customers and resulting in 10,352 customer-hours of interruption. In 2025, interruptions decreased to 11, affecting 555 customers and resulting in 2,494 customer-hours of interruption. A review of 2024 versus 2025 data identified a reduction of 7,858 customer-hours of interruption (76%) and a decrease of 3,832 customers affected (87%).

The tables below identify the outage data associated with Circuit 61-9-13 for each respective year, grouped by cause.

One-Year Summary (1/1/2024 - 12/31/2024) 61-9-13						
Cause	**No. of Interruptions**	**Pct. of Interruptions**	**Customers Affected**	**Pct. of Customers Affected**	**Customer Hours**	**Pct. of Customer-Hours**
Animal: Squirrel	1	7.7	11	0.3	25.1	0.2
Equipment Failure	3	23.1	4,281	97.6	10,043.8	97.0
No Cause Found	2	15.4	9	0.2	1.3	0.01
Prearranged: Company	5	38.5	57	1.3	88.2	0.9
Tree Contact: In Trim Zone	2	15.4	29	0.7	193.6	1.9
Total	**13**		**4,387**		**10,352.0**	

One-Year Summary (1/1/2025 - 12/31/2025) 61-9-13						
Cause	**No. of Interruptions**	**Pct. of Interruptions**	**Customers Affected**	**Pct. of Customers Affected**	**Customer Hours**	**Pct. of Customer-Hours**
Animal: Squirrel	1	9.1	55	9.9	113.7	4.6
Equipment Failure	6	54.5	466	84.0	2,350.6	94.2
Prearranged: Company	4	36.4	34	6.1	30.0	1.2
Total	**11**		**555**		**2,494.3**	

In 2024, the majority of customer impact was attributable to equipment failure. Equipment failure accounted for 4,281 customers affected (97.6%) and 10,043.8 customer-hours of interruption (97.0%) for the year, indicating that a limited number of high impact events drove overall performance.

In 2025, equipment failure remained the primary contributor to customer-hours of interruption, representing 2,350.6 customer-hours (94.2%) across six interruptions, while prearranged Company activity accounted for four interruptions with limited customer-hour impact. Two of the eleven interruptions accounted for 2,097 customer-hours (78%) of the annual total; both events were equipment failures. The first event was an underground fault in a newly rebuilt underground section,

impacting 174 customers for 265.1 customer-hours. The second event was also an underground fault, impacting 153 customers for 1,665 customer-hours.

The Company has continued to take steps to improve the performance of Circuit 61-9-13. In 2025, a Distribution Infrared Scan and a detailed circuit patrol were completed. The circuit was inspected for defective components, vegetation conditions, missing animal protection, and lightning protection, and identified deficiencies were corrected in a timely manner.

GRAPH 6.3.2 CIRCUIT 61-9-13, YEAR-OVER-YEAR PERFORMANCE 2024 - 2025

6.3.3 CIRCUIT 80-5-13

Circuit 80-5-13 was ranked third in the Central Division under the 2024 Priority Circuit Rating system and improved to fourteenth in the Central Division under the 2025 Priority Circuit Rating system. The circuit originates from the Wisner Substation in Warwick, New York, and serves 1,908 customers over approximately 64 circuit miles.

In 2024, the circuit experienced 40 interruptions, affecting 3,078 customers and resulting in 5,917 customer-hours of interruption. In 2025, interruptions decreased to 36, affecting 2,357 customers and resulting in 3,415 customer-hours of interruption. A review of 2024 versus 2025 data identified a reduction of 2,502 customer-hours of interruption (42%) and a decrease of 721 customers affected (23%).

The tables below identify the outage data associated with Circuit 80-5-13 for each respective year, grouped by cause.

One-Year Summary (1/1/2024 - 12/31/2024) 80-5-13						
Cause	**No. of Interruptions**	**Pct. of Interruptions**	**Customers Affected**	**Pct. of Customers Affected**	**Customer Hours**	**Pct. of Customer-Hours**
Animal - Squirrel	7	17.5	112	3.6	202.2	3.4
Branch Contact (In Trim Zone)	2	5.0	54	1.8	88.1	1.5
Equipment Failure	6	15.0	1,571	51.0	1,969.4	33.3
No Cause Found	5	12.5	128	4.2	772.0	13.1
Non-Company Accident - MVC	3	7.5	287	9.3	434.1	7.3
Prearranged - Company	2	5.0	6	0.2	3.5	0.1
Tree Contact (In Trim Zone)	13	32.5	752	24.4	1,808.0	30.6
Tree Contact (Out of Trim Zone)	1	2.5	2	0.1	14.1	0.2
Vine Contact	1	2.5	166	5.4	625.3	10.6
Total	**40**		**3,078**		**5,916.6**	

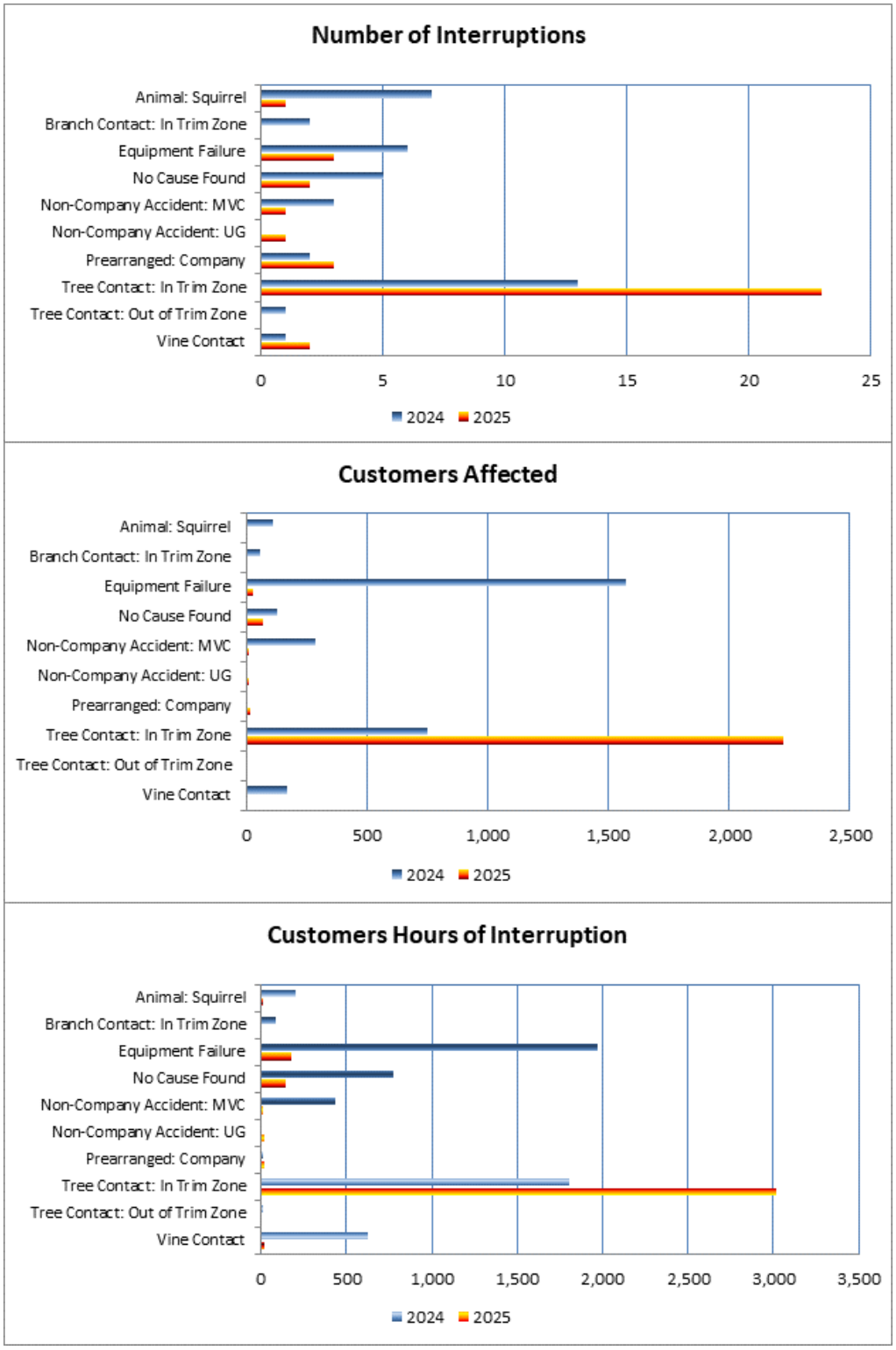
One-Year Summary (1/1/2025 - 12/31/2025) 80-5-13						
Cause	**No. of Interruptions**	**Pct. of Interruptions**	**Customers Affected**	**Pct. of Customers Affected**	**Customer Hours**	**Pct. of Customer-Hours**
Animal: Squirrel	1	2.8	2	0.1	4.7	0.1
Equipment Failure	3	8.3	25	1.1	174.5	5.1
No Cause Found	2	5.6	67	2.8	144.2	4.2
Non-Company Accident: UG	1	2.8	7	0.3	21.5	0.6
Non-Company Accident: MVC	1	2.8	11	0.5	13.4	0.4
Prearranged: Company	3	8.3	14	0.6	19.9	0.6
Tree Contact: In Trim Zone	23	63.9	2,227	94.5	3,020.5	88.4
Vine Contact	2	5.6	4	0.2	16.4	0.5
Total	**36**		**2,357**		**3,415.0**	

In 2024, three incidents accounted for 1,752 (57%) of all customers affected and 3,102 (57%) of all customer-hours of interruption for the year. The largest incident was attributed to equipment failure, while the second and third largest incidents were due to tree contact within the trim zone and vine contact, respectively. Equipment failure and vegetation related outages represented the primary contributors to overall circuit impact during the year.

In 2025, three of the 36 interruptions accounted for 1,739 customer-hours of interruption (51% of the annual total), with all three incidents attributed to tree contact. The first incident affected 1,476 customers (63% of customers affected) and required a portion of the circuit to be deenergized to clear vegetation and complete repairs. The second incident resulted in 459 customer-hours of interruption when a tree fell, taking down primary wire and breaking a pole. The third incident involved a tree failure that snapped the pole top, resulting in 558 customer-hours of interruption. Tree contact within the trim zone accounted for the majority of customer-hours and customers affected in 2025.

The Company has continued to take steps to improve the performance of Circuit 80-5-13. In 2025, a Distribution Infrared Scan and a detailed circuit patrol were completed. The circuit was inspected for defective components, vegetation contact, missing animal protection, and lightning protection, and identified deficiencies were corrected in a timely manner.

GRAPH 6.3.3 CIRCUIT 80-5-13, YEAR-OVER-YEAR PERFORMANCE 2024 – 2025



6.3.4 CIRCUIT 71-2-13

Circuit 71-2-13 was ranked fourth in the Central Division under the 2024 Priority Circuit Rating system and improved to fifth in the Central Division under the 2025 Priority Circuit Rating system. The circuit originates from the Harriman Substation in Harriman, New York, and serves 1,434 customers over approximately 38 circuit miles.

In 2024, the circuit experienced 24 interruptions, affecting 2,831 customers and resulting in 7,825 customer-hours of interruption. In 2025, interruptions increased to 37, affecting 2,196 customers and resulting in 4,443 customer-hours of interruption. A review of 2024 versus 2025 data identified a reduction of 3,383 customer-hours of interruption (43%) and a decrease of 635 customers affected (22%).

The tables below identify the outage data associated with Circuit 71-2-13 for each respective year, grouped by cause.

One-Year Summary (1/1/2024 - 12/31/2024) 71-2-13						
Cause	**No. of Interruptions**	**Pct. of Interruptions**	**Customers Affected**	**Pct. of Customers Affected**	**Customer Hours**	**Pct. of Customer-Hours**
Branch Contact (In Trim Zone)	2	8.3	42	1.5	215.6	2.8
Branch Contact (Out of Trim Zone)	1	4.2	11	0.4	177.1	2.3
Equipment Failure	8	33.3	203	7.2	919.3	11.8
Lightning - Present	1	4.2	475	16.8	1,140.1	14.6
No Cause Found	4	16.7	82	2.9	460.8	5.9
Non-Company Accident - MVC	1	4.2	606	21.4	928.0	11.9
Tree Contact (In Trim Zone)	7	29.17	1,412	49.88	3,984.8	50.92
Total	**24**		**2,831**		**7,825.7**	

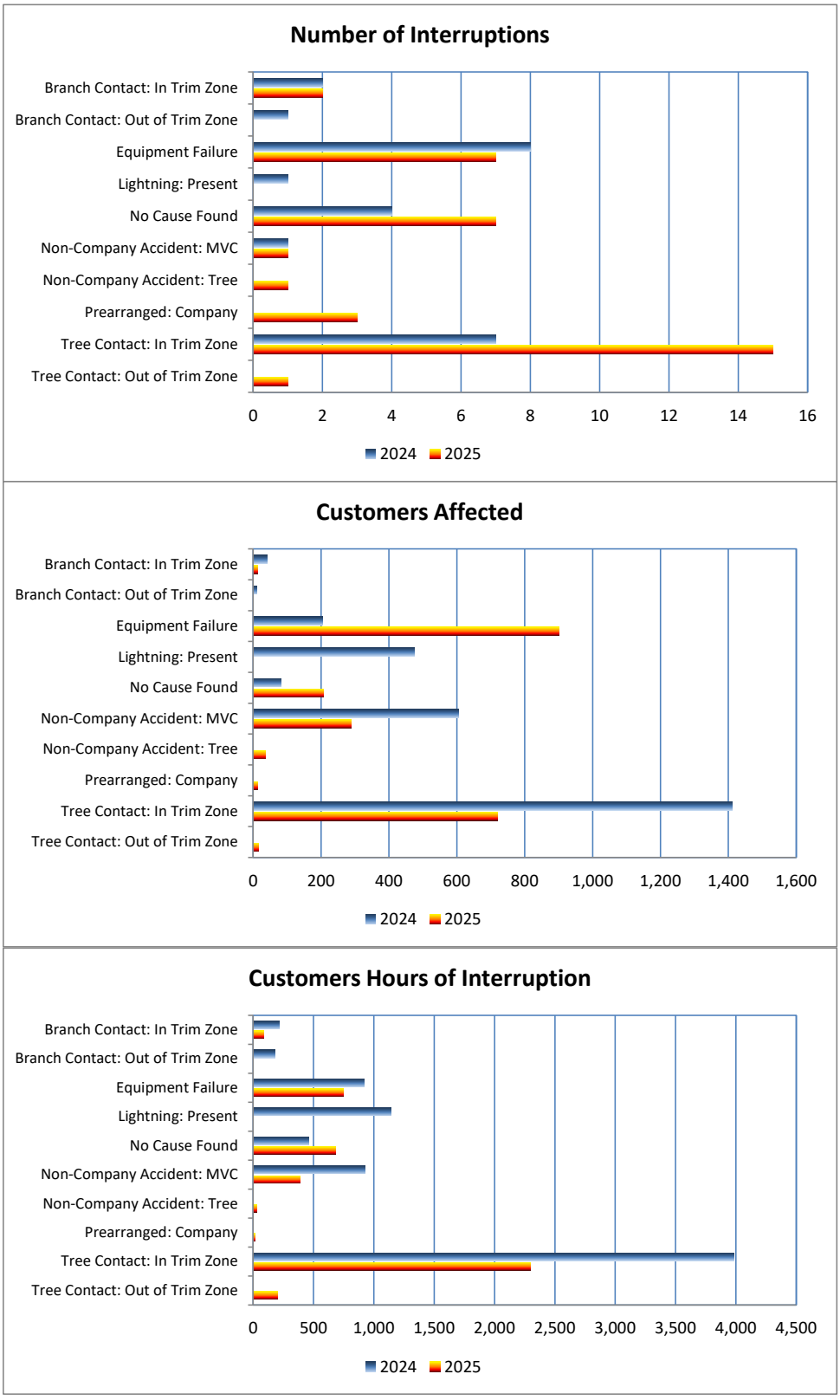
One-Year Summary (1/1/2025 - 12/31/2025) 71-2-13						
Cause	**No. of Interruptions**	**Pct. of Interruptions**	**Customers Affected**	**Pct. of Customers Affected**	**Customer Hours**	**Pct. of Customer-Hours**
Branch Contact: In Trim Zone	2	5.4	13	0.6	88.1	2.0
Equipment Failure	7	18.9	902	41.1	744.4	16.8
No Cause Found	7	18.9	208	9.5	680.6	15.3
Non-Company Accident: Tree	1	2.7	37	1.7	30.2	0.7
Non-Company Accident: MVC	1	2.7	288	13.1	387.0	8.7
Prearranged: Company	3	8.1	12	0.5	11.9	0.3
Tree Contact: In Trim Zone	15	40.5	721	32.8	2,296.5	51.7
Tree Contact: Out of Trim Zone	1	2.7	15	0.7	204.3	4.6
Total	**37**		**2,196**		**4,443.0**	

In 2024, four incidents accounted for 1,603 (57%) of all customers affected and 4,143 (53%) of all customer-hours of interruption. The first and second largest incidents were attributed to tree contact within the trim zone, while the third largest incident was due to lightning, and the fourth was the result of a non-Company motor vehicle accident.

In 2025, three of the 37 interruptions accounted for 1,901 customer-hours of interruption (43% of the annual total). The largest incident was due to tree contact within the trim zone and accounted for 1,073 customer-hours of interruption (24%). The second incident was caused by equipment failure, in which a phase conductor came off the pin and resulted in a pole top fire, affecting 902 customers (41% of customers affected). The third incident was the result of a non-Company motor vehicle accident and accounted for 387 customer-hours of interruption.

The Company has continued to take steps to improve the performance of Circuit 71-2-13. In 2025, a Distribution Infrared Scan and a detailed circuit patrol were completed. The circuit was inspected for defective components, vegetation contact, missing animal protection, and lightning protection, and identified deficiencies were corrected in a timely manner.

GRAPH 6.3.4 CIRCUIT 71-2-13, YEAR-OVER-YEAR PERFORMANCE 2024 – 2025



6.3.5 CIRCUIT 89-2-13

Circuit 89-2-13 was ranked fifth in the Central Division under the 2024 Priority Circuit Rating system and improved to eighteenth in the Central Division under the 2025 Priority Circuit Rating system. The circuit originates from the South Goshen Substation in Goshen, New York, and serves 1,136 customers over approximately 50 circuit miles.

In 2024, the circuit experienced 25 interruptions, affecting 1,803 customers and resulting in 2,458 customer-hours of interruption. In 2025, interruptions increased to 32, affecting 1,728 customers and resulting in 5,292 customer-hours of interruption. A review of 2024 versus 2025 data identified an increase of 2,834 customer-hours- of interruption (115%) while customers affected decreased by 75 (4%).

The tables below identify the outage data associated with Circuit 89-2-13 for each of the respective years, grouped by cause.

One-Year Summary (1/1/2024 - 12/31/2024) 89-2-13						
Cause	**No. of Interruptions**	**Pct. of Interruptions**	**Customers Affected**	**Pct. of Customers Affected**	**Customer Hours**	**Pct. of Customer-Hours**
Animal - Bird	2	8.0	17	0.9	48.3	2.0
Animal - Other	1	4.0	6	0.3	14.7	0.6
Animal - Squirrel	1	4.0	4	0.2	13.7	0.6
Equipment Failure	9	36.0	846	46.9	451.7	18.4
Lightning - Previous	1	4.0	302	16.8	226.4	9.2
No Cause Found	4	16.0	190	10.5	430.9	17.5
Non-Company Accident - MVC	3	12.0	380	21.1	970.1	39.5
Prearranged - Company	1	4.0	7	0.4	11.0	0.5
Tree Contact (In Trim Zone)	3	12.0	51	2.8	291.4	11.9
Total	**25**		**1,803**		**2,458.3**	

One-Year Summary (1/1/2025 - 12/31/2025) 89-2-13						
Cause	**No. of Interruptions**	**Pct. of Interruptions**	**Customers Affected**	**Pct. of Customers Affected**	**Customer Hours**	**Pct. of Customer-Hours**
Animal: Bird	1	3.1	10	0.6	24.2	0.5
Animal: Squirrel	2	6.3	38	2.2	84.1	1.6
Equipment Failure	7	21.9	63	3.6	188.2	3.6
Lightning: Previous	1	3.1	171	9.9	239.4	4.5
No Cause Found	4	12.5	82	4.7	141.2	2.7
Non-Company Accident: OH	1	3.1	267	15.5	999.3	18.9
Non-Company Accident: MVC	4	12.5	964	55.8	2,946.2	55.7
Pre-Arranged: Company	5	15.6	27	1.6	54.6	1.0
Tree Contact: In Trim Zone	6	18.8	102	5.9	613.5	11.6
Tree Contact: Out of Trim Zone	1	3.1	4	0.2	1.7	0.0
Total	**32**		**1,728**		**5,292**	

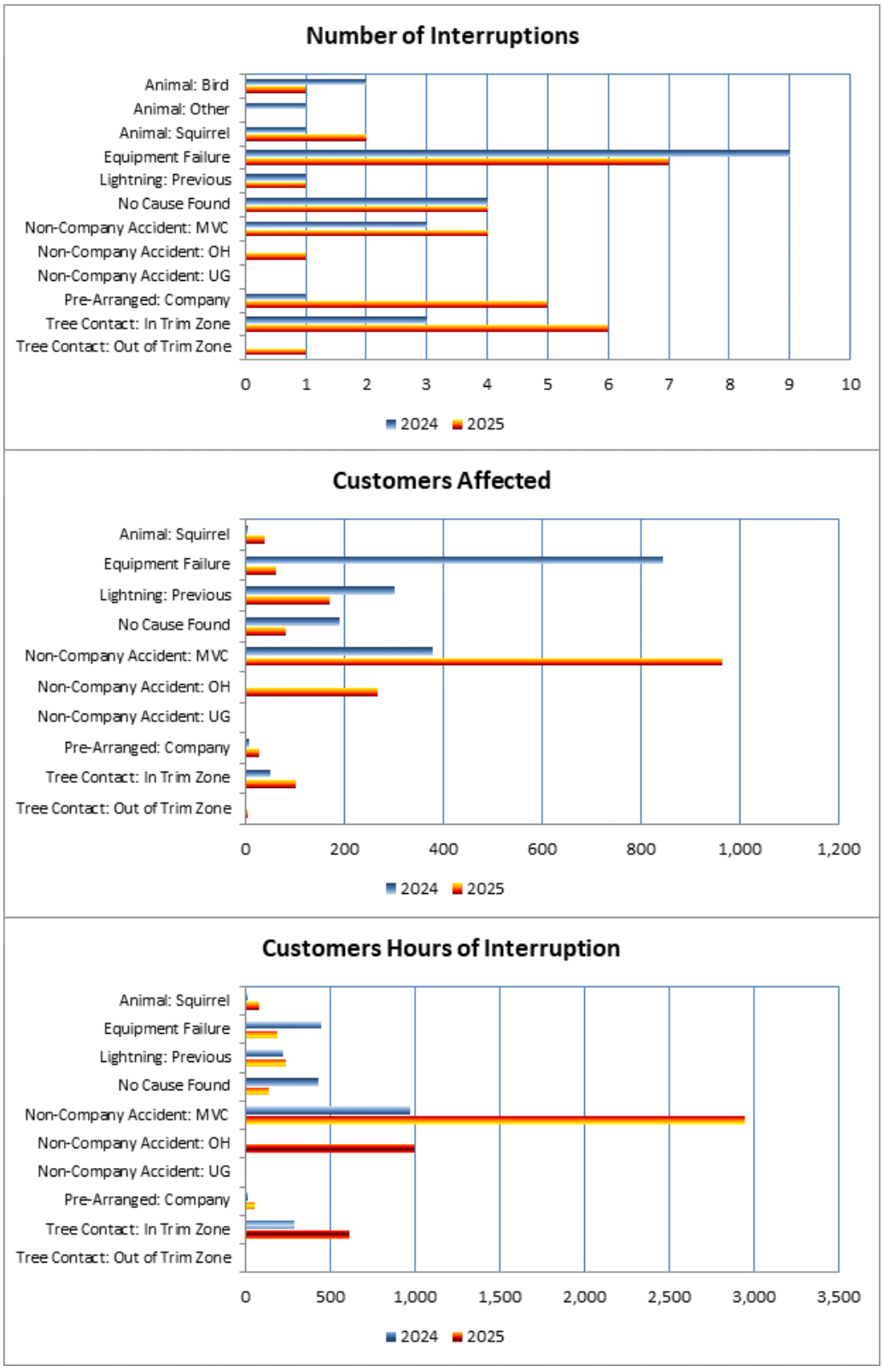
In 2024, three incidents accounted for 499 (28%) of all customers affected and 1,177 (48%) of all customer-hours of interruption for the year. The first and third largest incidents were due to non-Company motor vehicle accidents, while the second largest incident had no cause identified.

In 2025, customer-hours of interruption were driven primarily by non-Company accidents. Non-Company Accident – MVC accounted for 2,946.2 customer-hours (55.7%) and 964 customers

affected (55.8%), while non-Company Accident – OH accounted for 999.3 customer-hours (18.9%) and 267 customers affected (15.5%). Collectively, non-Company accident causes represented approximately 75% of total customer-hours of interruption in 2025. Tree contact within the trim zone also remained a contributor (613.5 customer-hours; 102 customers affected).

The Company has continued to take steps to improve the performance of Circuit 89-2-13. In 2025, a Distribution Infrared Scan was completed along with a detailed circuit patrol. The circuit was inspected for defective components, vegetation contact, missing animal protection, and lightning protection, and identified deficiencies were corrected in a timely manner.

GRAPH 6.3.5 CIRCUIT 89-2-13, YEAR-OVER-YEAR PERFORMANCE 2024 - 2025



6.4 Western Division

6.4.1 CIRCUIT 109-4-34

Circuit 109-4-34 was ranked first in the Western Division under the 2024 Priority Circuit Rating system and remained ranked first in the Western Division under the 2025 Priority Circuit Rating system. The circuit originates from the Washington Heights Substation in Middletown, New York, and serves 1,977 customers over approximately 73 circuit miles.

In 2024, the circuit experienced 33 interruptions, affecting 8,472 customers and resulting in 8,952 customer-hours of interruption. In 2025, interruptions increased to 48, affecting 8,035 customers and resulting in 12,660 customer-hours of interruption. A review of 2024 versus 2025 data identified an increase of 3,708 customer-hours of interruption (41%), while customers affected decreased by 437 (5%).

The tables below identify the outage data associated with Circuit 109-4-34 for each respective year, grouped by cause.

One-Year Summary (1/1/2024 - 12/31/2024) 109-4-34						
Cause	**No. of Interruptions**	**Pct. of Interruptions**	**Customers Affected**	**Pct. of Customers Affected**	**Customer Hours**	**Pct. of Customer-Hours**
Branch Contact (In Trim Zone)	1	3.0	116	1.4	172.1	1.9
Equipment Failure	8	24.2	235	2.8	2,164.2	24.2
No Cause Found	2	6.1	12	0.1	14.5	0.2
Non-Company Accident - MVC	2	6.1	1,077	12.7	2,019.6	22.6
Prearranged - Company	6	18.2	345	4.1	273.5	3.1
Tree Contact (In Trim Zone)	13	39.4	6,680	78.9	4,273.7	47.7
Tree Contact (Out of Trim Zone)	1	3.0	7	0.1	34.9	0.4
Total	**33**		**8,472**		**8,952.4**	

One-Year Summary (1/1/2025 - 12/31/2025) 109-4-34						
Cause	**No. of Interruptions**	**Pct. of Interruptions**	**Customers Affected**	**Pct. of Customers Affected**	**Customer Hours**	**Pct. of Customer-Hours**
Animal: Squirrel	1	2.1	34	0.4	100.3	0.8
Branch Contact: In Trim Zone	1	2.1	1,880	23.4	344.7	2.7
Equipment Failure	7	14.6	1,514	18.8	3,545.1	28.0
No Cause Found	3	6.3	58	0.7	254.4	2.0
Non-Company Accident: MVC	6	12.5	1,488	18.5	2,599.1	20.5
Prearranged: Company	7	14.6	36	0.4	71.2	0.6
Tree Contact: In Trim Zone	20	41.7	2,876	35.8	5,420.8	42.8
Tree Contact: Out of Trim Zone	3	6.3	149	1.9	324.6	2.6
Total	**48**		**8,035**		**12,660.1**	

In 2024, three incidents accounted for 3,485 (41%) of all customers affected and 5,597 (63%) of all customer-hours of interruption. The largest incident was caused by a non-Company motor vehicle accident, followed by tree contact and equipment failure. Tree contact within the trim zone represented the largest overall contributor to customer-hours of interruption for the year.

In 2025, three of the 48 interruptions accounted for 3,652 customer-hours of interruption (29% of the annual total). The largest incident was due to a non-Company motor vehicle accident, impacting 601 customers and resulting in 1,465 customer-hours of interruption. The second largest incident was caused by equipment failure and accounted for 1,293 customer-hours of interruption, while the third largest incident was due to tree contact and resulted in 893 customer-hours of interruption. For the year, tree contact within the trim zone, equipment failure, and non-Company motor vehicle accidents were the primary contributors to overall circuit impact.

The Company has continued to take steps to improve the performance of Circuit 109-4-34. In 2025, a Distribution Infrared Scan and a detailed circuit patrol were completed. The circuit was inspected for defective components, vegetation contact, missing animal protection, and lightning protection, and identified deficiencies were corrected in a timely manner.

Graph 6.4.1 CIRCUIT 109-4-34, YEAR-OVER-Year Performance 2024 – 2025

6.4.2 CIRCUIT 5-3-34

Circuit 5-3-34 was ranked second in the Western Division under the 2024 Priority Circuit Rating system and improved to seventh in the Western Division under the 2025 Priority Circuit Rating system. The circuit originates from the Cuddebackville Substation in Cuddebackville, New York, and serves 1,571 customers over approximately 70 circuit miles.

In 2024, the circuit experienced 63 interruptions, affecting 5,628 customers and resulting in 13,524 customer-hours of interruption. In 2025, interruptions increased to 69, affecting 6,640 customers and resulting in 16,088 customer-hours of interruption. A review of 2024 versus 2025 data identified an increase of 2,563.6 customer-hours of interruption (19%) and an increase of 1,012 customers affected (18%).

The tables below identify the outage data associated with Circuit 5-3-34 for each of the respective years, grouped by cause.

One-Year Summary (1/1/2024 - 12/31/2024) 5-3-34						
Cause	**No. of Interruptions**	**Pct. of Interruptions**	**Customers Affected**	**Pct. of Customers Affected**	**Customer Hours**	**Pct. of Customer-Hours**
Branch Contact: In Trim Zone	5	7.9	82	1.5	299.7	2.2
Equipment Failure	9	14.3	1,078	19.2	2,896.5	21.4
No Cause Found	7	11.1	261	4.6	821.9	6.1
Non-Company Accident: MVC	3	4.8	272	4.8	565.8	4.2
Non-Company Accident: Other	1	1.6	210	3.7	966.0	7.1
Prearranged: Company	8	12.7	470	8.4	211.2	1.6
Tree Contact: In Trim Zone	29	46.0	3,228	57.4	7,650.0	56.6
Tree Contact: Out of Trim Zone	1	1.6	27	0.5	113.4	0.8
Total	**63**		**5,628**		**13,524.5**	

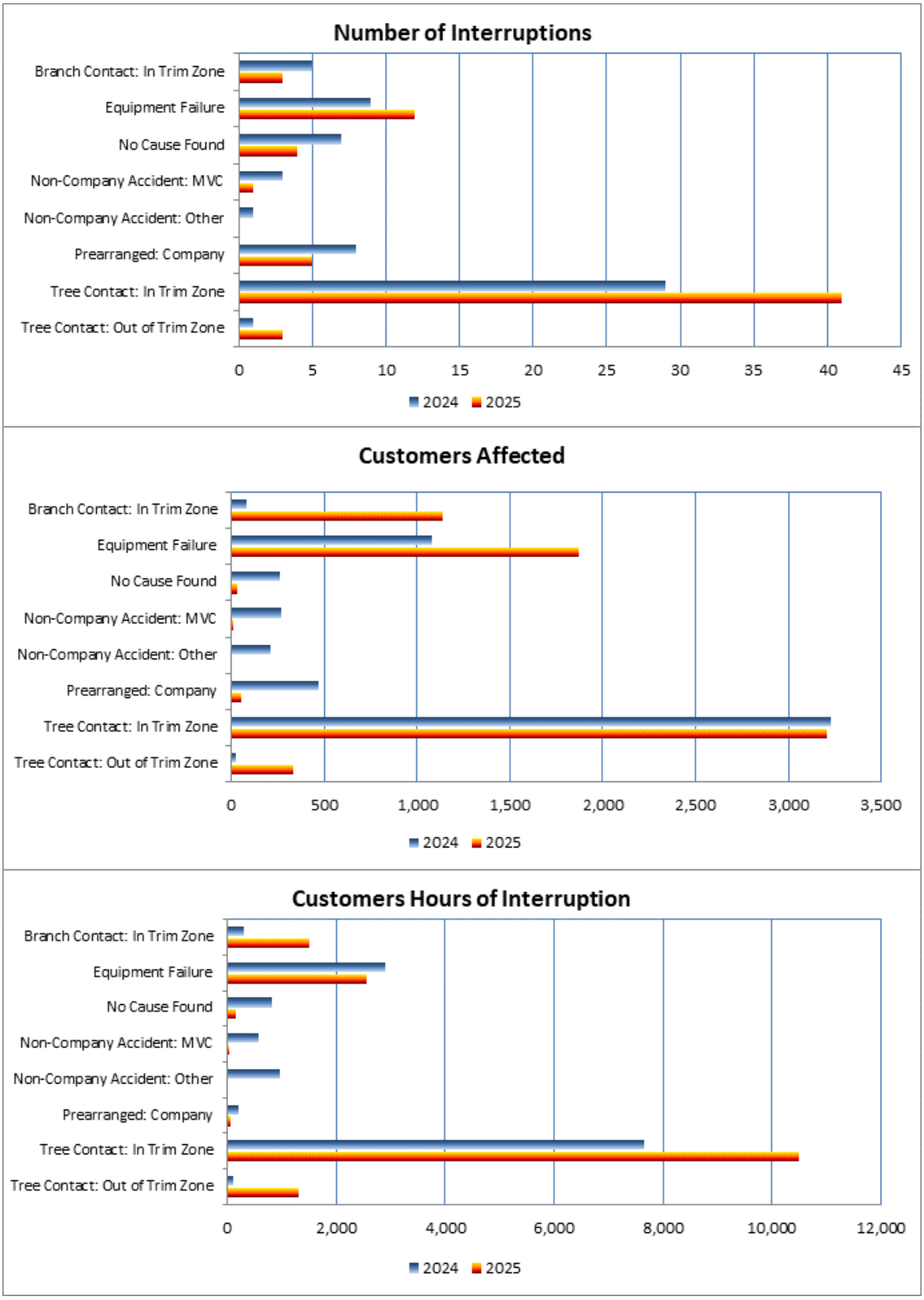
One-Year Summary (1/1/2025 - 12/31/2025) 5-3-34						
Cause	**No. of Interruptions**	**Pct. of Interruptions**	**Customers Affected**	**Pct. of Customers Affected**	**Customer Hours**	**Pct. of Customer-Hours**
Branch Contact: In Trim Zone	3	4.3	1,137	17.1	1,511.9	9.4
Equipment Failure	12	17.4	1,873	28.2	2,550.3	15.9
No Cause Found	4	5.8	28	0.4	150.1	0.9
Non-Company Accident: MVC	1	1.4	4	0.1	6.1	0.04
Prearranged: Company	5	7.2	56	0.8	58.2	0.4
Tree Contact: In Trim Zone	41	59.4	3,207	48.3	10,501.2	65.3
Tree Contact: Out of Trim Zone	3	4.3	335	5.0	1,310.4	8.1
Total	**69**		**6,640**		**16,088.1**	

In 2024, three incidents accounted for 473 (8%) of all customers affected and 2,554 (19%) of total customer-hours of interruption for the year. The largest incident was attributed to equipment failure, while the second and third largest incidents were due to tree contact within the trim zone. For the year, tree contact within the trim zone represented the primary contributor to customer impact (7,650 customer-hours; 3,228 customers affected), followed by equipment failure (2,896.5 customer-hours).

In 2025, three of the 69 interruptions accounted for 6,799 customer-hours of interruption (42% of the annual total). The first and second largest incidents were due to tree contact and accounted for a combined 5,426 customer-hours (34%), while the third largest incident was caused by equipment failure and accounted for 1,373 customer-hours (9%). For the year, tree contact within the trim zone remained the primary driver of customer-hours of interruption (10,501.2; 65.3%), with additional contributions from equipment failure (2,550.3; 15.9%), branch contact within the trim zone (1,511.9; 9.4%), and tree contact outside the trim zone (1,310.4; 8.1%).

The Company has continued to take steps to improve the performance of Circuit 5-3-34. In 2025, a Distribution Infrared Scan and a detailed circuit patrol were completed. The circuit was inspected for defective components, vegetation contact, missing animal protection, and lightning protection, and identified deficiencies were corrected in a timely manner.

GRAPH 6.4.2 CIRCUIT 5-3-34, YEAR-OVER-YEAR PERFORMANCE 2024 - 2025



6.4.3 CIRCUIT 12-1-13

Circuit 12-1-13 was ranked third in the Western Division under the 2024 Priority Circuit Rating system and improved to fourth in the Western Division under the 2025 Priority Circuit Rating system. The circuit originates from the Bloomingburg Substation in Bloomingburg, New York, and serves 2,100 customers over approximately 68 circuit miles.

In 2024, the circuit experienced 51 interruptions, affecting 9,546 customers and resulting in 11,366 customer-hours of interruption. In 2025, interruptions increased slightly to 52, affecting 4,948 customers and resulting in 10,232 customer-hours of interruption. A review of 2024 versus 2025 data identified a reduction of 1,134 customer-hours of interruption (10%) and a decrease of 4,598 customers affected (48%).

The tables below identify the outage data associated with Circuit 12-1-13 for each respective year, grouped by cause.

One-Year Summary (1/1/2024 - 12/31/2024) 12-1-13						
Cause	**No. of Interruptions**	**Pct. of Interruptions**	**Customers Affected**	**Pct. of Customers Affected**	**Customer Hours**	**Pct. of Customer-Hours**
Animal - Other	1	2.0	45	0.5	70.5	0.6
Branch Contact (In Trim Zone)	1	2.0	8	0.1	17.3	0.2
Equipment Failure	6	11.8	490	5.1	981.8	8.6
No Cause Found	7	13.7	1,050	11.0	1,775.5	15.6
Non-Company Accident - MVC	1	2.0	106	1.1	104.2	0.9
Overload - Customer	1	2.0	3	0.0	1.4	0.0
Prearranged - Company	8	15.69	372	3.9	499.6	4.4
Tree Contact (In Trim Zone)	25	49.02	7,372	77.23	7,594.7	66.82
Tree Contact (Out of Trim Zone)	1	1.96	100	1.05	321.7	2.83
Total	**51**		**9,546**		**11,366.7**	

One-Year Summary (1/1/2025 - 12/31/2025) 12-1-13						
Cause	**No. of Interruptions**	**Pct. of Interruptions**	**Customers Affected**	**Pct. of Customers Affected**	**Customer Hours**	**Pct. of Customer-Hours**
Branch Contact: In Trim Zone	5	9.6	251	5.1	790.2	7.7
Branch Contact: Out of Trim Zone	1	1.9	13	0.3	162.9	1.6
Equipment Failure	5	9.6	2,109	42.6	2,193.8	21.4
No Cause Found	6	11.5	265	5.4	855.9	8.4
Non-Company Accident: UG	2	3.8	14	0.3	28.6	0.3
Non-Company Accident: MVC	2	3.8	5	0.1	8.0	0.1
Prearranged: Company	4	7.7	13	0.3	50.8	0.5
Tree Contact: In Trim Zone	24	46.2	2,256	45.6	6,093.8	59.6
Tree Contact: Out of Trim Zone	1	1.9	6	0.1	20.2	0.2
Vine Contact	2	3.8	16	0.3	28.1	0.3
Total	**52**		**4,948**		**10,232.4**	

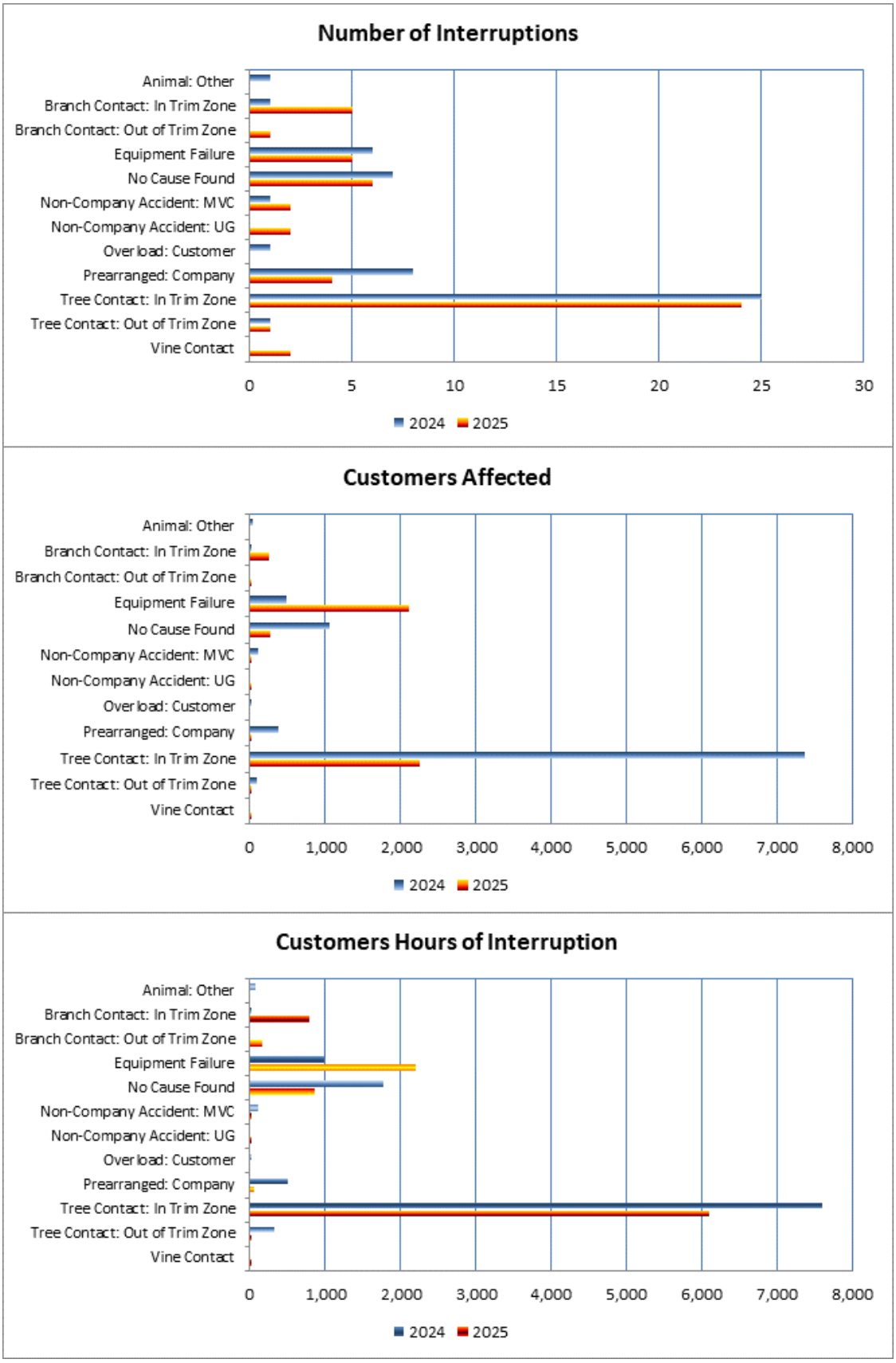
In 2024, three incidents accounted for 2,367 (25%) of all customers affected and 3,834 (34%) of total customer-hours- of interruption for the year. These three largest incidents were attributed to tree

contact within the trim zone, which represented the primary contributor to customer impact during the year.

In 2025, three of the 52 interruptions accounted for 3,617 customer-hours of interruption (35% of the annual total). The largest incident was due to equipment failure and accounted for 2,103 customer-hours of interruption (21%). The second and third largest incidents were caused by tree contact and collectively accounted for 1,514 customer-hours of interruption (15%). For the year, tree contact within the trim zone and equipment failure remained the primary drivers of overall circuit impact.

The Company has continued to take steps to improve the performance of Circuit 12-1-13. In 2025, a Distribution Infrared Scan and a detailed circuit patrol were completed. The circuit was inspected for defective components, vegetation contact, missing animal protection, and lightning protection, and identified deficiencies were corrected in a timely manner.

GRAPH 6.4.3 - CIRCUIT 12-1-13 YEAR-OVER-YEAR PERFORMANCE 2024 - 2025



6.4.4 CIRCUIT 103-4-13

Circuit 103-4-13 was ranked fourth in the Western Division under the 2024 Priority Circuit Rating system and improved to eighth in the Western Division under the 2025 Priority Circuit Rating system. The circuit originates from the Westtown Substation in Westtown, New York, and serves 1,757 customers over approximately 84 circuit miles.

In 2024, the circuit experienced 50 interruptions, affecting 5,436 customers and resulting in 4,731 customer-hours of interruption. In 2025, interruptions decreased slightly to 49, affecting 7,199 customers and resulting in 6,454 customer-hours of interruption. A review of 2024 versus 2025 data identified an increase of 1,724 customer-hours of interruption (36%) and an increase of 1,763 customers affected (32%). The tables below identify the outage data associated with Circuit 103-4-13 for each of the respective years, grouped by cause.

One-Year Summary (1/1/2024 - 12/31/2024) 103-4-13						
Cause	**No. of Interruptions**	**Pct. of Interruptions**	**Customers Affected**	**Pct. of Customers Affected**	**Customer Hours**	**Pct. of Customer-Hours**
Animal - Bird	1	2.0	20	0.4	24.3	0.5
Animal - Squirrel	2	4.0	8	0.2	14.1	0.3
Branch Contact (In Trim Zone)	1	2.0	51	0.9	140.3	3.0
Equipment Failure	10	20.0	866	15.9	910.1	19.2
No Cause Found	6	12.0	1,902	35.0	693.4	14.7
Non-Company Accident - MVC	3	6.0	559	10.3	331.6	7.0
Prearranged - Company	2	4.0	4	0.1	6.7	0.1
Prearranged - Customer	1	2.0	2	0.0	4.0	0.1
Tree Contact (In Trim Zone)	21	42.0	1,994	36.7	2,540.3	53.7
Tree Contact (Out of Trim Zone)	1	2.0	18	0.3	13.5	0.3
Vine Contact	1	2.0	10	0.2	49.0	1.0
Work Err - Company	1	2.0	2	0.0	3.7	0.1
Total	**50**		**5,436**		**4,730.9**	

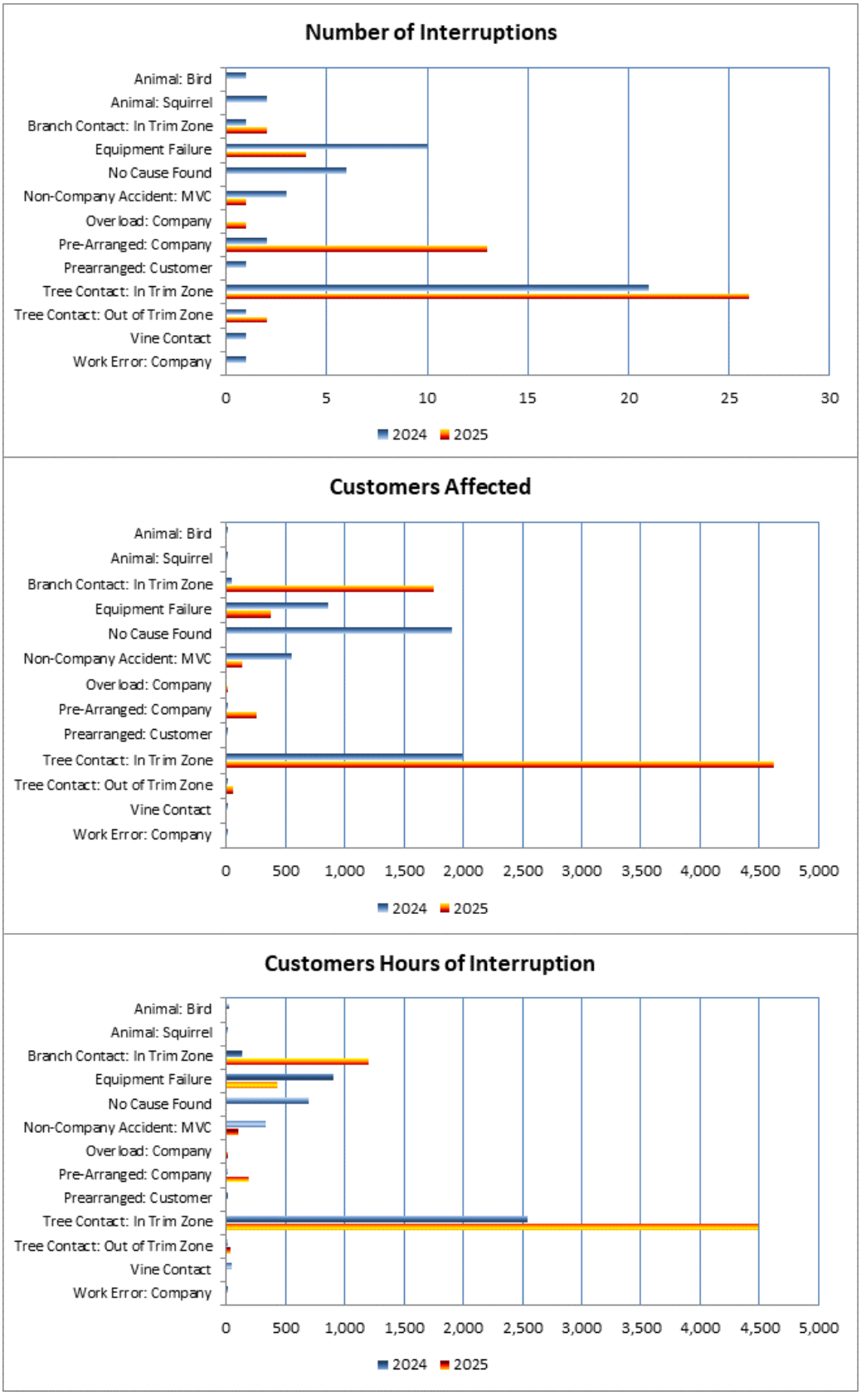
One-Year Summary (1/1/2025 - 12/31/2025) 103-4-13						
Cause	**No. of Interruptions**	**Pct. of Interruptions**	**Customers Affected**	**Pct. of Customers Affected**	**Customer Hours**	**Pct. of Customer-Hours**
Branch Contact: In Trim Zone	2	4.1	1,756	24.4	1,197.4	18.5
Equipment Failure	4	8.2	374	5.2	428.4	6.6
Non-Company Accident: MVC	1	2.0	132	1.8	99.0	1.5
Overload: Company	1	2.0	2	0.0	10.8	0.2
Pre-Arranged: Company	13	26.5	255	3.5	194.6	3.0
Tree Contact: In Trim Zone	26	53.1	4,617	64.1	4,490.4	69.6
Tree Contact: Out of Trim Zone	2	4.1	63	0.9	34.4	0.5
Total	**49**		**7,199**		**6,454.8**	

In 2024, three incidents accounted for 1,382 (25%) of all customers affected and 1,880 (40%) of total customer-hours of interruption for the year. The two largest incidents were due to tree contact within the trim zone, while the third largest incident was due to equipment failure. Tree-contact within the trim zone represented the primary contributor to overall customer impact during the year.

In 2025, three of the 49 interruptions accounted for 4,052 customer-hours of interruption (63% of the annual total). All three incidents were the result of tree contact. Tree-contact within the trim zone accounted for the majority of customer-hours of interruption 4,490 (69.6%) and customers affected 4,617 (64.1%), indicating that a limited number of high impact vegetation-related events drove overall circuit performance for the year.

The Company has continued to take steps to improve the performance of Circuit 103-4-13. In 2025, a Distribution Infrared Scan and a detailed circuit patrol were completed. The circuit was inspected for defective components, vegetation contact, missing animal protection, and lightning protection, and identified deficiencies were corrected in a timely manner.

GRAPH 6.4.4 CIRCUIT 103-4-13, YEAR-OVER-YEAR PERFORMANCE 2024 – 2025



6.4.5 CIRCUIT 10-2-13

Circuit 10-2-13 was ranked fifth in the Western Division per 2024 Circuit Priority Rating system. This circuit's performance remained the same and is still ranked fifth in the Western Division per the 2025 Circuit Priority Rating system. This circuit originates from the Summitville Substation in Summitville, New York and serves a total of 669 customers over 47 circuit miles.

In 2024, the circuit experienced 51 interruptions, affecting 2,900 customers and resulting in 5,563 customer-hours of interruption. In 2025, interruptions decreased to 40, affecting 3,550 customers and resulting in 9,899 customer-hours of interruption. A review of 2024 versus 2025 data identified an increase of 4,335 customer-hours of interruption (78%) and an increase of 650 customers affected (22%).

The tables below identify the outage data associated with Circuit 102-1-3 for each respective year, grouped by cause.

One-Year Summary (1/1/2024 - 12/31/2024) 10-2-13						
Cause	**No. of Interruptions**	**Pct. of Interruptions**	**Customers Affected**	**Pct. of Customers Affected**	**Customer Hours**	**Pct. of Customer-Hours**
Branch Contact (In Trim Zone)	2	3.9	70	2.4	267.3	4.8
Equipment Failure	6	11.8	612	21.1	1,361.1	24.5
Lightning - Present	0	0.0	0	0.0	0.0	0.0
No Cause Found	4	7.8	57	2.0	261.6	4.7
Non-Company Accident - MVC	0	0.0	0	0.0	0.0	0.0
Prearranged - Company	19	37.3	759	26.2	280.0	5.0
Tree Contact (In Trim Zone)	19	37.3	1,395	48.1	3,364	60.5
Tree Contact (Out of Trim Zone)	1	2.0	7	0.2	29.4	0.5
Total	**51**		**2,900**		**5,563.8**	

One-Year Summary (1/1/2025 - 12/31/2025) 10-2-13						
Cause	**No. of Interruptions**	**Pct. of Interruptions**	**Customers Affected**	**Pct. of Customers Affected**	**Customer Hours**	**Pct. of Customer-Hours**
Animal: Squirrel	1	2.5	46	1.3	150.3	1.5
Branch Contact: In Trim Zone	1	2.5	30	0.8	109.0	1.1
Branch Contact: Out of Trim Zone	1	2.5	15	0.4	40.3	0.4
Equipment Failure	2	5.0	814	22.9	1019.2	10.3
No Cause Found	4	10.0	69	1.9	258.7	2.6
Prearranged: Company	3	7.5	860	24.2	2,301.3	23.2
Tree Contact: In Trim Zone	25	62.5	1,573	44.3	4,847	49.0
Tree Contact: Out of Trim Zone	3	7.5	143	4.0	1,173.7	11.9
Total	**40**		**3,550**		**9,899.3**	

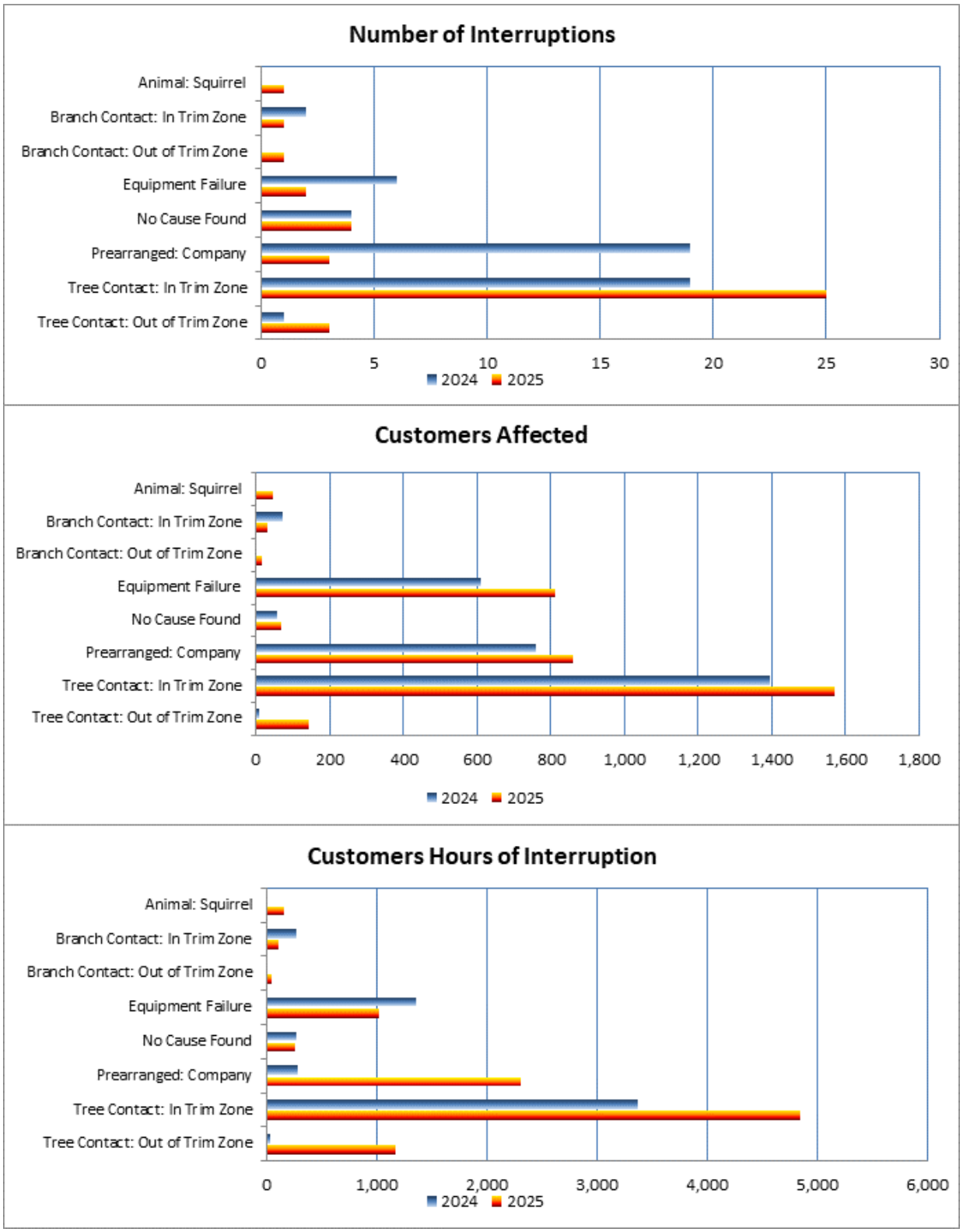
In 2024, three incidents accounted for 1,364 (47%) of all customers affected and 4,853 (87%) of total customer-hours of interruption for the year. The two largest incidents were due to tree contact within the trim zone, while the third largest incident was due to equipment failure.

In 2025, three of the 40 interruptions accounted for 4,659 customer-hours of interruption (47% of the annual total). The largest incident was a prearranged Company outage and accounted for 2,261 customer-hours of interruption (23%). The second largest incident was due to tree contact and

accounted for 1,758 customer-hours of interruption (18%). The third largest incident was caused by equipment failure and accounted for 640 customer-hours of interruption (6%).

The Company has continued to take steps to improve the performance of Circuit 102-1-3. In 2025, a Distribution Infrared Scan and a detailed circuit patrol were completed. The circuit was inspected for defective components, vegetation contact, missing animal protection, and lightning protection, and identified deficiencies were corrected in a timely manner.

GRAPH 6.4.5 CIRCUIT 10-2-13, YEAR-OVER-YEAR PERFORMANCE 2024 – 2025



APPENDICES

APPENDIX A

O&R Priority Methodology and Circuit Ratings

O&R Circuit Priority Rating System

DATA SELECTED:

Overhead and underground incidents affecting the distribution system occurring in calendar year 2025.

DATA EXCLUDED:

Partial power outages and single no light outages,
Outages affecting only secondary/services,
Outages associated with regulatory storms, and
Transmission and substation caused distribution outages.

O&R's priority rating system is designed to quantify individual circuit performance and to provide a means for identifying circuits that are performing at a level below the Company's and its customers' expectations. The information included in the analysis consists of seven categories of data to calculate the priority rating for each circuit. These include both outage statistics and circuit characteristics. These categories are as follows:

OUTAGE DATA

Breaker trip and reclose activity [18%],
Number of interruptions [14%],
Customers affected [14%],
Customer-hours of interruption [7%],
Number of customers served by the circuit [7%],
SAIFI for the given circuit [7%], and
Customer outage hours attributed to lightning, animal contact, tree contact and equipment failures ("LATE") [33%].

For each circuit, a score and ranking is generated for each of the seven categories in the above list. Individual circuit priority ratings are then calculated using a weighted ranking of each category (the weightings are as listed in brackets next to each category). The priority rating is then used to rank each circuit in an overall priority list. This list is maintained by the Performance and Operations Engineering group.

An analysis of the performance of each circuit identified in the top five highest priorities in each operating division was conducted for 2025. A plan is then developed and implemented to improve the circuit's performance over the upcoming calendar year. The following pages of this appendix detail the priority ratings by circuit for all O&R's distribution circuits.

2025 O&R Circuit Priority Rating List – Eastern Division

Circuit	No. Trip/Reclose	Rank No. Trip/Reclose	No. of Interruptions	Rank No.of Interruptions	Customers Affected	Rank Customers Affected	Customers Served	Rank Customers Served	Customer Hours	Rank Customer Hours	LATE	Rank LATE	SAIFI	Rank SAIFI	Priority Rating	Rank Priority Rating
17-2-13	12	27	30	27	5,593	6	2,198	18	3,835.8	31	3,493.2	20	2.54	22	21.1	8
27-3-13	12	27	15	83	3,516	16	2,183	20	9,185.7	8	8,633.8	6	1.61	45	25.8	12
51-6-13	11	34	26	31	2,993	22	1,331	81	3,925.2	29	3,054.0	28	2.25	26	32.3	15
24-11-13	7	81	20	62	3,178	20	1,875	32	4,740.4	26	3,074.1	27	1.69	40	41.8	23
19-10-13	9	60	24	43	3,949	13	3,437	1	3,100.0	40	1,800.6	48	1.15	72	42.4	24
22-2-13	12	27	16	80	2,003	38	1,283	87	2,785.0	44	2,725.2	33	1.56	47	44.7	29
45-9-13	22	5	26	31	2,187	32	1,682	48	1,678.7	71	1,091.8	75	1.30	61	47.1	33
53-6-13	4	139	17	77	4,002	12	1,848	34	4,934.3	24	3,488.4	21	2.17	27	50.4	35
45-8-13	14	18	26	31	1,363	66	1,850	33	2,888.4	42	1,297.7	66	0.74	107	51.3	36
45-5-13	11	34	42	7	892	91	1,315	84	2,578.6	51	1,977.3	45	0.68	115	52.2	37
44-5B-13	18	8	21	53	1,646	54	1,354	78	1,438.8	87	1,428.2	59	1.22	68	52.2	38
22-1-13	17	11	17	77	1,747	51	975	121	1,780.0	66	1,483.8	56	1.79	36	54.0	42
51-1-13	16	13	21	53	1,360	67	1,106	104	1,613.3	79	1,365.3	63	1.23	65	57.3	45
45-10-13	12	27	16	80	1,573	58	1,077	106	1,532.3	80	1,367.6	62	1.46	52	61.3	48
19-11-13	5	122	21	53	1,928	44	1,625	54	2,555.4	53	2,109.4	42	1.19	70	61.8	49
50-3-13	11	34	24	43	1,224	71	832	139	1,624.6	77	1,302.9	65	1.47	50	62.2	50
23-4-13	6	105	35	19	1,640	55	1,634	53	2,617.3	50	1,405.6	61	1.00	82	62.3	51
72-4-13	11	34	29	28	1,627	56	1,326	82	1,501.8	81	822.2	93	1.23	66	64.6	53
23-1-13	11	34	35	19	1,411	64	1,323	83	997.5	106	764.4	98	1.07	76	68.6	56
42-2-13	8	67	11	115	1,250	69	722	145	1,945.8	63	1,822.7	47	1.73	39	70.6	58
50-2-13	10	48	26	31	1,110	76	1,766	43	1,071.2	100	843.7	87	0.63	119	70.7	59
27-2-13	9	60	23	47	1,837	48	2,616	6	1,166.1	95	654.7	109	0.70	110	74.8	63
51-5-13	6	105	13	98	2,100	34	1,275	88	1,273.6	90	1,265.8	68	1.65	43	75.3	65
53-1-13	3	156	33	22	2,184	33	1,819	38	1,969.3	61	872.6	86	1.20	69	75.9	67
27-5-13	10	48	9	134	1,934	43	1,158	99	1,653.3	74	786.7	97	1.67	41	80.4	70
17-1-13	7	81	5	165	879	94	701	148	2,531.2	54	2,531.2	36	1.25	63	81.3	72
29-5-13	6	105	18	72	1,921	45	2,009	28	1,716.8	69	716.2	101	0.96	86	81.4	73
51-2-13	9	60	21	53	917	89	917	129	1,005.4	105	792.6	96	1.00	84	84.6	77
54-1-13	14	18	10	123	1,252	68	909	130	808.3	120	712.8	102	1.38	53	84.9	80
24-1-13	7	81	21	53	1,553	59	1,061	110	1,666.1	73	572.6	117	1.46	51	85.3	82
27-7-13	5	122	24	43	892	91	2,025	27	1,469.4	85	889.9	84	0.44	140	86.1	84
54-7-13	10	48	14	92	888	93	1,552	60	799.1	123	696.4	105	0.57	122	90.5	91
29-8-13	5	122	10	123	1,049	81	2,345	12	1,189.6	93	1,168.0	72	0.45	139	91.4	92
21-13-13	7	81	31	25	877	95	1,600	57	1,727.9	68	424.7	132	0.55	129	92.7	95
44-3B-13	39	1	9	134	2,625	24	2,045	26	600.8	143	145.8	166	1.28	62	93.3	96
19-9-13	16	13	12	108	980	84	1,768	42	3,668.3	33	276.9	151	0.55	128	93.3	97
19-14-13	3	156	25	39	958	86	2,283	15	989.9	107	795.8	95	0.42	143	95.5	101
19-8-13	3	156	19	67	662	115	2,891	5	1,613.5	78	1,062.4	76	0.23	164	95.9	102
51-4-13	3	156	7	147	1,809	49	1,355	77	1,670.2	72	894.2	82	1.34	59	97.1	103
44-6-13	15	16	24	43	343	137	1,108	103	626.8	138	295.6	149	0.31	152	104.8	107

Circuit	No. Trip/Reclose	Rank No. Trip/Reclose	No. of Interruptions	Rank No.of Interruptions	Customers Affected	Rank Customers Affected	Customers Served	Rank Customers Served	Customer Hours	Rank Customer Hours	LATE	Rank LATE	SAIFI	Rank SAIFI	Priority Rating	Rank Priority Rating
44-1-13	6	105	6	153	792	108	926	128	909.4	114	891.6	83	0.86	94	106.4	108
54-4-13	3	156	8	140	805	105	315	184	1,253.2	91	1,209.7	71	2.56	21	106.5	110
68-4-13	8	67	14	92	341	138	475	174	762.8	126	696.8	104	0.72	109	107.2	111
45-4-13	7	81	14	92	2,036	37	2,184	19	1,290.1	89	57.1	185	0.93	88	107.4	112
45-3-13	12	27	10	123	358	136	1,467	72	697.6	132	493.6	124	0.24	161	107.6	113
21-11-13	8	67	9	134	1,088	78	872	134	2,578.1	52	296.7	148	1.25	64	108.1	114
22-7-13	10	48	22	50	310	142	2,566	8	433.0	155	304.7	147	0.12	183	108.3	115
23-6-13	7	81	10	123	285	149	2,056	25	834.7	118	711.7	103	0.14	179	109.2	116
54-2-13	13	20	9	134	681	114	446	176	734.0	128	319.0	145	1.53	49	110.9	117
24-4-13	5	122	4	170	336	140	1,475	69	1,246.7	92	1,240.2	70	0.23	165	111.3	118
58-5-13	3	156	21	53	321	141	1,063	109	914.2	113	816.5	94	0.30	153	112.5	119
50-4-13	7	81	11	115	839	100	1,023	116	621.7	139	435.1	131	0.82	99	112.7	120
22-4-13	7	81	13	98	201	164	1,265	89	855.9	117	603.0	112	0.16	172	114.7	122
45-6-13	8	67	18	72	310	142	763	143	597.0	144	443.7	129	0.41	146	114.9	123
44-3A-13	18	8	15	83	138	174	1,661	49	329.7	166	292.9	150	0.08	193	115.5	124
53-3-13	17	11	10	123	259	155	560	159	602.5	142	421.0	133	0.46	138	115.5	125
44-4-13	4	139	4	170	453	129	649	151	1,152.6	96	955.0	81	0.70	111	118.7	127
24-12-13	11	34	14	92	135	176	1,159	98	511.9	148	389.1	136	0.12	185	118.7	128
45-1-13	5	122	20	62	373	132	961	122	905.7	115	443.6	130	0.39	147	118.9	129
27-6-13	11	34	15	83	218	158	1,543	61	439.9	153	225.9	157	0.14	178	119.1	130
27-8-13	8	67	13	98	206	161	1,620	55	860.1	116	343.8	143	0.13	182	120.2	131
27-4-13	6	105	7	147	955	87	2,229	17	422.9	159	354.4	142	0.43	141	120.7	133
72-3-13	4	139	16	80	508	124	1,234	94	613.2	140	460.0	128	0.41	145	122.4	136
23-2-13	11	34	10	123	486	125	950	124	915.6	112	120.1	171	0.51	133	123.1	137
44-5A-13	3	156	5	165	475	127	1,837	36	784.2	125	748.2	99	0.26	159	124.0	138
53-7-13	5	122	9	134	534	123	1,111	101	576.5	147	524.7	121	0.48	136	124.8	139
42-3-13	1	190	12	108	627	117	1,208	96	684.7	134	599.8	113	0.52	132	128.3	142
16M3-11-13	7	81	15	83	209	159	1,352	79	460.4	151	221.2	158	0.15	174	128.9	144
54-3-13	10	48	4	170	190	167	97	199	365.0	164	360.7	140	1.96	30	129.5	145
44-2-13	4	139	8	140	252	156	1,019	117	740.7	127	653.9	110	0.25	160	131.0	146
22-5-13	5	122	15	83	442	130	1,511	66	425.9	158	216.4	160	0.29	154	131.0	146
45-2-13	4	139	10	123	820	102	1,064	108	686.8	133	252.8	154	0.77	103	131.4	148
54-6-13	7	81	10	123	281	150	1,495	67	395.6	162	240.1	156	0.19	168	132.1	149
50-1-13	5	122	6	153	280	151	490	172	582.5	146	582.5	116	0.57	123	133.7	151
27-1-13	1	190	6	153	768	109	828	140	806.8	121	524.7	122	0.93	90	135.7	152
19-15-13	11	34	9	134	193	166	1,837	36	426.5	157	53.8	186	0.11	187	136.1	153
51-8-13	4	139	6	153	340	139	589	154	496.6	149	488.6	125	0.58	121	136.8	155
19-12-13	5	122	13	98	202	163	1,495	67	416.6	160	269.1	152	0.14	181	137.2	156
42-1-13	3	156	6	153	263	153	315	184	602.8	141	584.6	115	0.83	97	138.4	157
53-8-13	5	122	4	170	798	106	484	173	185.3	181	119.7	172	1.65	42	145.1	158

Circuit	No. Trip/Reclose	Rank No. Trip/Reclose	No. of Interruptions	Rank No.of Interruptions	Customers Affected	Rank Customers Affected	Customers Served	Rank Customers Served	Customer Hours	Rank Customer Hours	LATE	Rank LATE	SAIFI	Rank SAIFI	Priority Rating	Rank Priority Rating
21-16-13	5	122	2	189	291	147	510	170	438.1	154	371.7	139	0.57	124	146.2	159
45-7-13	8	67	11	115	77	186	1,001	119	205.3	178	87.6	177	0.08	194	147.0	162
24-2-13	4	139	13	98	201	164	1,380	74	281.7	170	89.3	176	0.15	175	149.1	163
22-6-13	6	105	4	170	184	168	243	190	243.3	173	216.7	159	0.76	105	151.5	165
51-3-13	5	122	10	123	204	162	532	164	234.7	174	144.6	169	0.38	148	151.7	166
54-8-13	3	156	6	153	860	97	931	127	458.2	152	41.0	190	0.92	91	151.7	167
21-12-13	3	156	4	170	181	171	1,703	47	322.3	168	261.0	153	0.11	186	154.4	173
72-7-13	4	139	3	184	300	145	530	167	248.2	171	248.2	155	0.57	125	154.6	174
30-5-13	10	48	5	165	47	189	518	169	87.4	188	47.6	188	0.09	191	158.6	177
19-13-13	3	156	8	140	94	180	1,574	59	214.9	176	144.7	168	0.06	198	158.6	178
26-6-13	7	81	5	165	48	188	198	193	112.2	186	112.2	173	0.24	162	159.0	179
22-8-13	2	181	4	170	121	178	576	156	380.9	163	378.6	138	0.21	166	160.8	181
26-2-13	2	181	3	184	87	183	943	125	160.0	183	160.0	164	0.09	190	172.9	187
23-3-13	3	156	4	170	29	191	1,014	118	32.4	198	32.4	193	0.03	202	178.6	191
54-5-13	4	139	2	189	19	195	34	208	15.4	203	15.4	198	0.56	127	181.8	193
22-3-13	2	181	1	199	67	187	564	158	68.1	191	68.1	181	0.12	184	183.7	195
21-9-13	0	209	8	140	89	181	450	175	209.9	177	0.0	206	0.20	167	186.9	198
72-2-13	4	139	0	210	0	210	867	136	0.0	210	0.0	206	0.00	208	190.6	200
24-10-13	4	139	1	199	4	203	161	196	15.5	202	0.0	206	0.02	203	191.4	201
24-3-13	1	190	2	189	5	202	230	191	4.3	207	0.0	206	0.02	204	199.1	206
21-15-13	0	209	1	199	2	207	169	195	12.2	204	12.2	199	0.01	206	202.5	209
26-5-13	1	190	0	210	0	210	132	197	0.0	210	0.0	206	0.00	208	204.0	210
21-14-13	0	209	0	210	0	210	132	197	0.0	210	0.0	206	0.00	208	207.5	214
26-1-13	0	209	0	210	0	210	18	212	0.0	210	0.0	206	0.00	208	208.5	216
26-10-13	0	209	0	210	0	210	4	222	0.0	210	0.0	206	0.00	208	209.2	220
23-5-13	0	209	0	210	0	210	3	224	0.0	210	0.0	206	0.00	208	209.3	221
24-8-13	0	209	0	210	0	210	3	224	0.0	210	0.0	206	0.00	208	209.3	221
98-1-13	0	209	0	210	0	210	1	226	0.0	210	0.0	206	0.00	208	209.5	223

New York – Central Division – 2025 Circuit Priority Rating List

Circuit	No. Trip/Reclose	Rank No. Trip/Reclose	No. of Interruptions	Rank No.of Interruptions	Customers Affected	Rank Customers Affected	Customers Served	Rank Customers Served	Customer Hours	Rank Customer Hours	LATE	Rank LATE	SAIFI	Rank SAIFI	Priority Rating	Rank Priority Rating
80-2-13	28	4	37	12	3,537	15	1,813	41	5825.2	17	4,055.4	18	1.95	31	16.67	5
84-1-13	7	81	32	23	4,620	9	2,482	10	11939.6	4	10,477.8	2	1.86	32	22.94	10
86-8-13	13	20	23	47	7,101	4	1,816	39	5305.4	19	3,223.8	24	3.91	10	23.42	11
67-1-13	8	67	39	11	2,048	36	1,110	102	6868.5	14	6,075.8	12	1.85	33	33.03	16
80-3-13	13	20	45	6	1,952	40	2,386	11	5203.1	23	2,081.0	43	0.82	100	33.61	17
71-2-13	9	60	37	12	2,196	31	1,610	56	4443.0	27	3,333.3	23	1.36	56	34.14	18
61-10-13	8	67	61	2	4,103	11	1,247	92	7142.7	11	2,305.4	40	3.29	15	35.34	19
71-3-13	7	81	37	12	2,589	25	2,285	14	3776.6	32	2,442.0	39	1.13	74	41.03	22
103-2-13	10	48	26	31	2,536	26	1,260	90	3458.7	35	1,723.9	50	2.01	29	43.9	25
103-3-13	6	105	29	28	1,953	39	1,115	100	5953.2	16	4,422.2	15	1.75	37	43.94	26
86-3-13	10	48	25	39	1,426	63	2,168	21	3181.2	38	2,805.3	32	0.66	117	45.8	30
84-3-13	3	156	31	25	3,201	19	1,987	29	5717.9	18	4,201.5	16	1.61	44	45.89	31
63-7-13	8	67	20	62	3,460	17	1,294	85	3842.8	30	2,137.8	41	2.67	19	46.03	32
80-5-13	3	156	36	17	2,357	27	1,741	44	3415.0	37	3,216.0	25	1.35	58	52.22	39
89-1-13	11	34	18	72	932	88	1,649	51	2729.2	45	2,547.6	35	0.57	126	55.61	43
86-1-13	6	105	19	67	1,111	75	606	152	4199.8	28	3,870.9	19	1.83	34	60.03	47
89-2-13	7	81	32	23	1,728	52	352	182	5292.3	20	1,151.1	73	4.91	5	63.66	52
61-1-13	4	139	19	67	1,861	47	1,521	63	2626.7	49	2,582.0	34	1.22	67	64.73	54
86-4-13	6	105	19	67	1,700	53	1,293	86	2681.8	48	1,456.0	57	1.31	60	68.09	55
61-9-13	9	60	11	115	555	119	2,981	4	2494.3	55	2,464.3	38	0.19	169	72.06	61
71-8-13	8	67	14	92	765	110	1,469	71	1848.4	65	1,735.9	49	0.52	131	75.2	64
73-1-13	7	81	7	147	1,048	82	1,241	93	2687.4	47	2,484.9	37	0.84	96	75.37	66
63-1-13	6	105	20	62	907	90	892	132	1446.7	86	1,412.5	60	1.02	81	80.91	71
61-4-13	9	60	12	108	818	103	1,658	50	2867.8	43	1,034.6	78	0.49	135	82.04	74
61-5-13	7	81	12	108	1,454	62	396	179	2711.5	46	878.8	85	3.67	12	83.02	75
86-11-13	1	190	7	147	2,313	28	61	203	5254.1	21	2,970.1	31	37.92	1	84.68	78
63-3-13	7	81	21	53	689	113	2,109	22	1496.8	83	824.5	91	0.33	151	85.77	83
128M-1-13	16	13	13	98	551	120	583	155	983.8	108	833.5	90	0.95	87	87.06	87
71-7-13	6	105	20	62	368	134	882	133	2349.2	57	1,580.9	53	0.42	144	87.21	88
73-6-13	6	105	18	72	636	116	604	153	1420.4	88	1,282.7	67	1.05	77	89.59	90
61-6-13	8	67	6	153	540	122	824	141	1633.4	76	1,558.4	54	0.66	118	91.83	93
80-1-13	5	122	22	50	697	112	999	120	1129.9	98	1,096.5	74	0.70	112	92.16	94
71-5-13	2	181	11	115	2,667	23	379	181	1497.2	82	1,244.4	69	7.04	3	93.29	98
61-3-13	10	48	13	98	547	121	2,067	24	1016.2	104	694.6	107	0.26	158	94.63	99
13-9-13	7	81	15	83	871	96	1,711	46	825.8	119	597.3	114	0.51	134	98.19	104
63-4-13	7	81	18	72	811	104	1,028	115	725.9	129	571.2	118	0.79	102	102.38	106
91-3-13	1	190	15	83	1,028	83	751	144	1687.4	70	402.9	135	1.37	55	120.82	134
129M-1-13	1	190	2	189	416	131	1,816	39	1037.3	101	1,021.2	80	0.23	163	126.61	141
89-10-34	3	156	4	170	166	173	200	192	1132.5	97	1,051.0	77	0.83	98	128.6	143
63-2-13	2	181	11	115	289	148	1,059	111	801.5	122	668.7	108	0.27	156	132.27	150

Circuit	No. Trip/Reclose	Rank No. Trip/Reclose	No. of Interruptions	Rank No.of Interruptions	Customers Affected	Rank Customers Affected	Customers Served	Rank Customers Served	Customer Hours	Rank Customer Hours	LATE	Rank LATE	SAIFI	Rank SAIFI	Priority Rating	Rank Priority Rating
84-2-13	3	156	6	153	136	175	1,474	70	710.9	130	695.9	106	0.09	189	136.21	154
61-2-13	1	190	6	153	360	135	2,540	9	790.2	124	155.5	165	0.14	177	150.67	164
71-4-13	2	181	5	165	371	133	398	178	317.5	169	317.5	146	0.93	89	153	169
89-3-13	6	105	7	147	133	177	1,359	76	195.9	180	103.0	175	0.10	188	153.09	170
91-4-13	1	190	4	170	184	168	499	171	627.5	137	530.5	120	0.37	149	153.11	171
61-8-13	1	190	12	108	182	170	1,335	80	218.0	175	194.3	162	0.14	180	157.03	175
63-8-13	1	190	6	153	87	183	1,035	114	358.0	165	357.3	141	0.08	192	160.74	180
63-9-34	5	122	4	170	177	172	14	216	494.4	150	11.1	201	12.64	2	161.93	182
129M-2-13	3	156	4	170	40	190	1,366	75	197.7	179	195.5	161	0.03	201	163.46	184
86-5-13	7	81	4	170	24	192	32	209	43.9	195	37.9	191	0.75	106	163.99	185
63-6-13	3	156	2	189	274	152	273	188	104.4	187	104.4	174	1.00	83	165.3	186
61-7-13	3	156	3	184	95	179	566	157	73.2	190	73.2	179	0.17	171	174.23	188
68-2-13	2	181	2	189	18	196	21	211	58.2	192	58.2	183	0.86	92	181.52	192
71-1-13	1	190	1	199	21	193	304	186	142.7	185	142.7	170	0.07	195	184.8	196
67-2-13	4	139	0	210	0	210	55	204	0.0	210	0.0	206	0.00	208	195.34	204
13-3-13	2	181	1	199	4	203	63	202	1.0	208	0.0	206	0.06	196	199.26	207
80-4-13	1	190	0	210	0	210	16	215	0.0	210	0.0	206	0.00	208	205.29	213
86-10-13	0	209	0	210	0	210	35	207	0.0	210	0.0	206	0.00	208	208.15	215
91-2-13	0	209	0	210	0	210	18	212	0.0	210	0.0	206	0.00	208	208.5	216
71-6-13	0	209	0	210	0	210	6	219	0.0	210	0.0	206	0.00	208	208.99	218
82-4-13	0	209	0	210	0	210	5	220	0.0	210	0.0	206	0.00	208	209.06	219
91-1-13	0	209	0	210	0	210	1	226	0.0	210	0.0	206	0.00	208	209.48	223

New York – Western Division – 2025 Circuit Priority Rating List

Circuit	No. Trip/Reclose	Rank No. Trip/Reclose	No. of Interruptions	Rank No.of Interruptions	Customers Affected	Rank Customers Affected	Customers Served	Rank Customers Served	Customer Hours	Rank Customer Hours	LATE	Rank LATE	SAIFI	Rank SAIFI	Priority Rating	Rank Priority Rating
109-4-34	13	20	48	5	8,035	1	2,296	13	12,660.1	3	9,735.5	3	3.50	13	7.5	1
9-1-48	31	2	40	8	7,308	2	1,648	52	13,197.0	2	8,005.2	8	4.43	7	8.7	2
12-1-13	11	34	52	3	4,948	7	2,083	23	10,232.4	5	9,289.1	4	2.38	24	12.5	3
6-4-13	18	8	40	8	4,774	8	1,057	112	9,627.8	7	8,911.3	5	4.52	6	14.1	4
10-2-13	31	2	40	8	3,550	14	909	130	9,899.3	6	7,339.4	10	3.91	11	17.0	6
103-4-13	8	67	49	4	7,199	3	2,267	16	6,454.8	15	6,150.4	11	3.18	16	20.0	7
3-1S-34	13	20	37	12	3,073	21	545	162	8,383.8	9	8,144.3	7	5.64	4	22.8	9
2-1-13	12	27	26	31	2,205	29	666	149	6,940.9	13	4,585.3	13	3.31	14	29.9	13
5-3-34	4	139	69	1	6,640	5	1,518	65	16,088.1	1	15,873.7	1	4.37	8	31.4	14
3-1N-34	7	81	27	30	2,056	35	1,182	97	4,745.4	25	4,503.9	14	1.74	38	39.5	20
6-2-13	19	7	36	17	1,083	79	955	123	3,148.9	39	3,012.8	29	1.13	73	40.7	21
12-3-13	9	60	35	19	1,585	57	872	134	3,430.5	36	3,080.5	26	1.82	35	44.4	27
11-4-13	6	105	22	50	4,332	10	1,040	113	5,212.3	22	3,399.4	22	4.17	9	44.6	28
116-1-34	5	122	26	31	2,205	29	718	146	7,027.1	12	4,156.5	17	3.07	17	48.2	34
102-2-13	13	20	17	77	1,464	61	1,079	105	1,962.1	62	1,926.9	46	1.36	57	53.8	40
6-7-13	13	20	19	67	1,389	65	521	168	2,276.1	58	2,001.1	44	2.67	20	53.8	41
5-10-34	1	190	37	12	1,950	42	937	126	7,633.5	10	7,347.2	9	2.08	28	56.2	44
6-1-13	21	6	21	53	1,158	74	845	138	1,636.5	75	1,342.1	64	1.37	54	58.7	46
7-2-13	6	105	13	98	1,895	46	1,222	95	2,150.2	59	1,706.8	51	1.55	48	70.0	57
113-2-13	4	139	8	140	1,951	41	1,882	31	3,020.3	41	2,992.6	30	1.04	78	70.8	60
11-2-13	11	34	15	83	3,325	18	3,327	2	2,390.5	56	418.0	134	1.00	85	74.5	62
11-1-13	5	122	12	108	1,162	73	1,924	30	1,849.9	64	1,612.7	52	0.60	120	79.4	68
109-2-13	11	34	23	47	821	101	1,735	45	973.5	110	742.7	100	0.47	137	80.3	69
102-1-13	10	48	11	115	485	126	662	150	1,990.4	60	1,452.2	58	0.73	108	83.8	76
15-3-13	4	139	7	147	1,805	50	1,541	62	1,731.0	67	1,557.9	55	1.17	71	84.8	79
116-8-13	11	34	26	31	1,479	60	1,841	35	703.1	131	338.4	144	0.80	101	85.1	81
9-2-48	15	16	15	83	966	85	343	183	675.8	135	620.9	111	2.82	18	86.6	85
109-1-13	10	48	25	39	845	98	3,052	3	1,169.1	94	475.4	126	0.28	155	87.0	86
7-1-13	8	67	25	39	564	118	1,077	106	1,118.6	99	823.0	92	0.52	130	87.9	89
15-6-13	3	156	14	92	1,098	77	1,576	58	3,558.8	34	841.8	88	0.70	113	95.1	100
13-8-13	7	81	12	108	1,242	70	549	160	940.9	111	547.0	119	2.26	25	99.5	105
113-4-13	6	105	13	98	1,167	72	1,520	64	589.8	145	469.2	127	0.77	104	106.5	109
102-3-13	10	48	13	98	308	144	853	137	661.3	136	509.1	123	0.36	150	112.7	121
13-7-13	3	156	3	184	843	99	532	164	1,028.0	102	1,025.0	79	1.58	46	115.6	126
15-1-13	5	122	8	140	261	154	389	180	1,027.8	103	839.3	89	0.67	116	120.4	132
109-3-13	8	67	21	53	455	128	2,582	7	323.9	167	62.3	182	0.18	170	121.5	135
11-3-13	7	81	10	123	1,068	80	1,259	91	1,491.5	84	19.3	196	0.85	95	126.6	140
113-5-13	1	190	11	115	208	160	1,440	73	431.8	156	388.3	137	0.14	176	146.3	160
6-8-13	12	27	10	123	85	185	549	160	151.6	184	44.2	189	0.15	173	146.5	161
113-7-13	3	156	1	199	797	107	770	142	174.5	182	174.5	163	1.04	79	152.9	168

Circuit	No. Trip/Reclose	Rank No. Trip/Reclose	No. of Interruptions	Rank No.of Interruptions	Customers Affected	Rank Customers Affected	Customers Served	Rank Customers Served	Customer Hours	Rank Customer Hours	LATE	Rank LATE	SAIFI	Rank SAIFI	Priority Rating	Rank Priority Rating
103-1-13	1	190	6	153	761	111	705	147	983.4	109	71.8	180	1.08	75	153.7	172
113-8-13	3	156	8	140	225	157	531	166	406.4	161	145.8	166	0.42	142	157.3	176
13-2-13	3	156	6	153	296	146	427	177	245.3	172	57.4	184	0.69	114	163.1	183
6-5-13	7	81	2	189	14	198	52	205	19.2	201	5.9	202	0.27	157	174.8	189
116-2-34	1	190	2	189	20	194	8	217	81.7	189	79.2	178	2.50	23	176.6	190
7-3-13	6	105	2	189	12	200	257	189	22.5	200	4.5	204	0.05	200	181.9	194
113-1-13	2	181	1	199	89	181	86	200	11.9	205	11.9	200	1.03	80	185.7	197
1-1-13	0	209	3	184	6	201	7	218	49.3	193	49.3	187	0.86	92	188.4	199
113-6-13	1	190	1	199	3	205	540	163	33.6	197	33.6	192	0.01	207	193.8	202
15-4-13	4	139	0	210	0	210	76	201	0.0	210	0.0	206	0.00	208	195.1	203
113-3-13	0	209	2	189	18	196	289	187	48.6	194	19.0	197	0.06	197	197.0	205
13-4-13	0	209	1	199	3	205	181	194	23.3	199	23.3	195	0.02	205	200.4	208
15-2-13	0	209	1	199	2	207	41	206	5.3	206	5.3	203	0.05	199	204.2	211
15-5-13	1	190	0	210	0	210	17	214	0.0	210	0.0	206	0.00	208	205.2	212

APPENDIX B

2025 Service Reliability Program Descriptions

Service Reliability Programs

The Company's service reliability programs are designed to reduce both interruption frequency and outage duration through the prudent inspection and maintenance of critical components installed on the electric transmission and distribution system. These programs define an optimum set of activities that will cost effectively meet customer reliability needs within the framework of the company's financial objectives. Reliability programs establish inspection intervals; minimum component testing and performance requirements; and maintenance procedures to be performed during each inspection.

The major programs in effect during the year are listed below, and reference the appropriate O&M or capital budgets and expenditures as contained in Appendix F:

Operations and Maintenance (click on the links below to jump to the program page in this Report)

- Transmission ROW and line maintenance
- Transmission relay maintenance
- Substation maintenance
- Distribution vegetation management
- Distribution line maintenance
    - *Capacitor Maintenance Program*
    - *Regulator Maintenance Program*
    - *Recloser/Sectionalizer Maintenance Program*
    - *Circuit Ownership Program*
    - *Pole Remaining Strength Inspection*
- Infrared Thermal Inspection Program
- Visual inspection programs
- Stray Voltage Testing
- Power Quality

Capital Programs

- Underground Cable Rehab and Rebuild Program

Title: **TRANSMISSION RIGHT-OF-WAY AND LINE MAINTENANCE**
Subject: NYPSC Delivery System Program Review
Transmission Right-Of-Way and Line Maintenance

Item Description:

Examination of the transmission right-of-way (ROW) and line maintenance programs and spot check ROW and lines to validate that maintenance is adequate.

O&R Program:

A. TRANSMISSION LINE MAINTENANCE: The program is based on standards and specifications for Ground and Helicopter Patrols. Periodic inspections of overhead transmission lines are performed on the lines that are owned and/or operated by the Company. It includes the following types of inspections performed on all overhead transmission lines in the three O&R's Divisions.

The following is a summary of the type and frequency of these inspections:

- Ground patrol
    - Annual
        - Includes annual stray voltage/visual inspection,
        - Every 5-years stray voltage testing is conducted during this inspection,
        - As required for emergency patrols
- Helicopter patrol
    - Bi-monthly (monthly for 500 kV and 345 kV lines, and NERC IROL lines),
    - As required for emergency patrols
- Climbing inspections
    - Below 345 kV
        - As required,
    - 345 kV and above
        - Every five years,
- Emergency patrol
- As required,
- Ground resistance measurements,
    - Below 345kV
        - As required,
    - 345 kV and above

        - Five years, until structure passes two consecutive tests, then every ten years.
    - Infrared inspection
        - Twice a year- spring, and summer
        - Each abnormality is photographed,
    - Wood pole inspection
        - Annual
            - Identify transmission facilities requiring maintenance or replacement.
            - Includes visual and mechanical sound and bore (as needed).

B. Transmission line ROW maintenance:

The transmission ROWs are maintained based on O&R's "Long Range Transmission Right of Way Vegetation Management Plan" that is filed with the NYPSC. That document is updated whenever modifications or changes are made to the program and was recently updated on January 1, 2023. Annually, a summary of the previous year's maintenance and a summary of the next year's schedule is prepared and submitted to the NYPSC under the provisions of Case 27605.

References:

The helicopter patrol records, foot patrol records, infrared thermal vision records and all other pertinent maintenance records related to transmission line maintenance are kept on file for a minimum period of three years, at O&R's T&D Maintenance offices in Blooming Grove, New York.

For scheduled preventive transmission vegetation ROW maintenance, the O&R schedules for each year, listed by corridor number and treatment technique, are kept on file in our T&D Maintenance offices in Blooming Grove and sent to the NYPSC in accordance with the provisions of Case 27605.

Title: **TRANSMISSION RELAY MAINTENANCE**
Subject: NYPSC Delivery System Program Review
Transmission Relay Maintenance

Item Description:

Examine individual utility transmission relay maintenance programs so that proper and timely maintenance is being performed.

O&R Program:

All protection systems for the bulk power system are maintained periodically, at a four-to-twelve-year interval, in accordance with regulatory guidance under frequency relay settings are verified on an annual basis and the automatic underfrequency load shedding protection system is maintained on a four to twelve-year interval, in accordance with regulatory guidance requirements. Maintenance of protection system includes performing bench test of protective relays, per manufacture requirements, to verify the operation of protective elements is within specification. In addition, the protective functions of the relays operate as per the specified logic.

Breaker trip coil and DC continuity test for bulk power system are performed periodically, at four-to-six-year intervals, in accordance with regulatory guidance requirements.

The substation battery banks and charger testing for bulk power system are maintained in accordance with regulatory guidance requirements.

O&R utilizes automated relay testing with the Doble Engineering program. Our experience has proven to be substantially more accurate than previous test sets and is giving us more repeatable and thus reliable results.

References:

Settings and performance records of the relays are stored on laptop computers, with backup files on both the O&R network and the computer hard drives. Relay maintenance reports, as well as the reports for the past two years are kept on file at the Spring Valley Operations Center.

The System Operations and Transmission and Substation Engineering Departments generate a report for all mis-operations on the bulk power system and equipment. These reports are kept on file by Transmission and Substation Engineering and are being forwarded to the NYISO.

Title: **SUBSTATION MAINTENANCE**
Subject: NYPSC Delivery System Program Review
Substation Maintenance

Item Description:

Examine individual utility substation maintenance programs to validate proper maintenance procedures and verify that maintenance is being performed. Review recent operating data to verify that no adverse trends exist.

O&R Program:

The following details the different class inspections and maintenance programs performed by the Substation Operations Department, and their associated time cycles. Intervals vary depending on equipment type, style, and maintenance history.

CLASS #1 INSPECTION - Monthly

- Visual inspection of transformers and oil breakers for oil leaks, oil levels, nitrogen pressure, connections, condition of bushings and Oil Circuit Breaker (OCB) operating mechanism.
- Visual inspection of battery banks, chargers, control board indicating lights, control house lights, yard lights.
- Visual inspection of minor equipment including potential transformers (PTs), current transformers (CTs), capacitive coupled potential devices (CCPDs), disconnect switches and bus connections.
- Visual inspection of all structures, fences/gates and yard surfaces.
- Counter readings taken of OCBs, gas circuit breakers (GCBs), reclosers and tap changers.

STATION BATTERY TESTS – Annually/Monthly visual inspections and verifications

Measure specific gravity and cell voltage. Test with battery impedance testing equipment. Clean batteries.

FANS, PUMPS, HEATERS, AND COMPRESSORS - Annually

Check for proper operation prior to winter for heaters and compressors and prior to summer for fans and pumps.

TRANSFORMER GAS-IN-OIL ANALYSIS – Quarterly, semi-annually, or annually

Take oil sample from each power transformer compartment and analyze for combustible gas content.

DOBLE POWER FACTOR TEST - Every two to five years

Use Doble instrument to measure the integrity of the insulating medium of certain device.

CIRCUIT BREAKER TIMING - Every three to ten years

Check the time it takes for each operation of certain breakers.

RELAY MAINTENANCE - Every four to twelve years based on relay type and maintenance task.

Clean, test, and calibrate as required all relays involved in protective relay schemes - Every four years for non-microprocessor relays and every twelve years for microprocessor-based relays, with self-check.

Perform a trip test to verify proper operation - Every four years for non-microprocessor relays and every six years for microprocessor relays.

CLASS #3 INSPECTIONS - Every four to ten years

The Class #3 inspection on transformers is to include, but is not limited to the following items:

1. Test oil;
2. TTR – Test, Megger test;
3. Inspect all connectors, bushings;
4. Inspect for leaks (oil – nitrogen);
5. Check CT connections, alarm systems on banks;
6. Doble Power Factor Test.

<u>Transformers with Load Tap Changers</u>

7. Test Oil in LTC cabinet;
8. Test LTC control for proper operation.

The Class #3 inspection on OCB's is to include, but is not limited to the following items:

1. Test Oil;
2. DLRO (Ductor Test) before and after;
3. Inspect and clean control cabinet;
4. Inspect and clean pneumatic-hydraulic or spring charged operating system;
5. Operational test.

The Class #3 inspection on reclosers is to include, but is not limited to the following items:

1. Test oil;
2. DLRO (Ductor Test) before and after;
3. Control cabinet clean, checkout and operational test;

Reclosers with Vacuum Bottles

4. Hi-pot test.

The Class #3 inspection on ACB's is to include, but is not limited to the following items:

1. DLRO (Ductor Test) before and after;
2. Inspect all contacts (action to be taken, if needed);
3. Inspect and test all micro and aux. contacts (close and trip circuit);
4. Operational testing

CLASS #4 INSPECTIONS – Every ten years or as necessitated by Class #3 Inspection results or as dictated by Gas in Oil analysis.

The Class #4 inspection consists of a thorough inspection and testing of the apparatus listed below.

The Class #4 also includes all inspections included in a Class #3.

Transformers with Load Tap Changer

1. Drain oil from LTC cabinet, inspect all contacts;
2. Inspect and tighten all connections;
3. Clean complete LTC cabinet;
4. Filter or replace oil;
5. Test LTC control for proper operation.

The Class #4 inspection on OCB's is to include, but is not limited to the following items:

1. DLRO (Ductor test) before and after;
2. Drop tanks - inspect and tighten all connections; clean all parts and tanks;
3. Test and filter or replace oil;
4. Inspect and clean control cabinet;
5. Inspect and clean pneumatic-hydraulic or spring charged operating systems;
6. Operational Test.

The Class #4 inspection on reclosers is to include, but is not limited to the following items:

1. Drop tank (filter or replace oil);
2. Inspect all contacts - repair or replace (depending on the condition);
3. Check and tighten all connections;
4. Control cabinet, clean and checkout;
5. DLRO (Ductor Test) before and after;
6. Operational Test.

Recloser with Vacuum Bottles

Hi-Pot test.

The Class #4 inspection on ACB's is to include, but is not limited to the following items:

1. DLRO (Ductor Test) before and after;
2. Inspect all contacts - clean and put protective grease coating on;
3. Inspect and clean all arc chutes;
4. Inspect and test all micro and auxiliary contacts (close and trip circuit);
5. Check and tighten all connections;
6. Operational Test.

References:

All inspection and maintenance records are retained as a hard copy for one year at O&R's main Operating Division headquarters. These records are also retained electronically on a work management system. Repeated callouts and equipment failures that show an abnormal trend are flagged by the work management system.

The Doble power factor testing, transformer gas in oil analysis and infrared inspection records are stored electronically on the Substation Information System (SIS). OCB timing maintenance records are presently kept on a separate electronic storage system that is provided with the test equipment.

Title: **DISTRIBUTION VEGETATION MANAGEMENT**
Subject: NYPSC Delivery System Program Review
Distribution Tree Trimming

Item Description:

Examination of the distribution vegetation management (VM) programs and spot check of distribution lines to validate that maintenance is adequate.

O&R Program:

The distribution VM program is a vegetation clearance and control methodology based upon a 4-year cycle. The circuits to be maintained each year are selected using the normal scheduled maintenance cycle. A tree-related outage spreadsheet, derived from OMS and Performance and Operational Engineering, is used to monitor circuits based on vegetation- related- outage performance. Patrols are completed as VM supervisors and other company personnel move throughout the service territory. Any identified vegetation issues requiring attention to prevent service interruptions are reported for further investigation and remediation by the VM Department. Beginning in January 2025, Nelson Tree Service has been retained by the Company to complete the scheduled distribution VM programs.

References:

The Company maintains VM records for each substation worked, with completion dates and mileage maintained. Audits are performed by the Company VM Supervisor or Company contractor representative on the circuits as the vegetation work proceeds, to maintain the quality of work and the clearance specifications. Additionally, Contractor Field Observation Reports are completed monthly. These observations, completed by Company VM Supervisors and Company contractor representatives, are also performed on the contractors performing the work and focus on work quality as well as several safety related items.

Title: DISTRIBUTION LINE MAINTENANCE

Item Description:

Examination of the distribution line maintenance programs (excluding tree trimming) and spot check lines to validate that maintenance is adequate.

O&R Program:

The following details the distribution line maintenance programs performed by O&R's Overhead and Underground Electric Operations Departments.

CAPACITOR MAINTENANCE PROGRAM

All capacitor banks are inspected in accordance with the Capacitor Maintenance Procedure. Maintenance schedules have been set by the divisions and are tailored to best meet the divisions' needs.

Smart Caps:

Eastern - Out of 85 locations: 84 were functionally tested for a total of 99%.
Central - Out of 29 locations: 29 were functionally tested for a total of 100%.
Western - Out of 29 locations: 29 were functionally tested for a total of 100%.

REGULATOR MAINTENANCE PROGRAM

Regulator inspections and functional tests are performed annually in accordance with the Regulator Maintenance Procedure. As system conditions allow, deficiencies are corrected prior to the system peak period.

Regulators:

Eastern NY/NJ - Out of 21 locations: 21 were functionally tested a total of 100%.
Central NY/NJ – Out of 51 locations: 51 were functionally tested for a total of 100%.
Western – Out of 58 locations: 58 were functionally tested for a total of 100%.

RECLOSER SECTIONALIZER MAINTENANCE PROGRAM

Recloser, Sectionalizer inspections and functional tests are performed in accordance with the Recloser, Sectionalizer Maintenance Procedure. A visual inspection of all line units is performed annually, and functional tests are performed every three years. In 2025 the following maintenance was performed:

Reclosers:

Eastern – Out of 246 due: 7 Visuals and 23 functionals were completed for a total of 12%.
Central - Out of 88 due: 22 Visuals and 14 functionals were completed for a total of 41%.
Western - Out of 65: 25 Visuals and 27 functionals were completed for a total of 80%.

Devices	Region (Total)	Maintenance Performed	
		Visual	Functional
Reclosers	Eastern (246)	7	23
	Central (88)	22	14
	Western (65)	25	27
Regulators	Eastern (21)	NA	21
	Central (51)	NA	51
	Western (58)	NA	58
Smart Caps	Eastern (85)	NA	84
	Central (29)	NA	29
	Western (29)	NA	29

CIRCUIT OWNERSHIP PROGRAM

This program was modified in 2013 to target our worst performing circuits that have a relatively poor performance based on their impact on Customers Affected and Customer-hours of interruption. The circuits are patrolled routinely to look for any immediate issues that may adversely affect its reliability.

POLE REMAINING STRENGTH INSPECTION

O&R is on a 12-year inspection cycle as required by the National Electric Safety Code. The program began in 2007, and a new 12-year inspection cycle started in 2020. To date 59,604 (44.5%) of the 133,805 poles have been inspected. In 2025, 7,357 poles were inspected and of these 1,272 (17.3%) failed. Of the failures, 105 (8.3%) required replacement and 1,167 (91.7%) required trussing.

Title: INFRARED THERMAL INSPECTION PROGRAM

This program is normally administered annually on all three-phase overhead facilities, and on a three-year cycle for all single-phase overhead facilities. Necessary repairs are prioritized by temperature rise and completed as follows:

- Priority 1 - 101°C - or More - Repair Immediately as system conditions permit;
- Priority 2 - 51° - 100° C - Repair in 14 Days as system conditions permit; and
- Priority 3 - 1° - 50° C (all others) - Repair as resources allow and/or monitor in next IR cycle.

This program is also administered on the transmission system. Two cycles of inspection are conducted. One in the spring as part of summer preparations plan to ensure system readiness, and another in the summer under full load conditions. These are conducted and maintained as identified in the above Transmission Right-Of-Way and Line Maintenance Program description.

The distribution program consisted of a survey/scan of all three-phase mainline in NY and single-phase in alternating divisions on an annual basis.

Title: VISUAL INSPECTION PROGRAM

By Order issued on January 5, 2005, with subsequent revisions issued on July 21, 2005, December 15, 2008, March 22, 2013, and January 13, 2015, in Case 04-M-0159, the Commission required that O&R initiate a Visual Inspection Program encompassing 20% of all O&R facilities annually, such that within five years all facilities have been visually inspected. Consistent with the Order, O&R initiated the visual inspection program in 2005 and continues to do so annually.

O&R conducts separate visual inspections of its T&D systems. A noncompany contractor labor force performs the majority of the work. Electric Operations located in West Nyack, New York, administers the Distribution Visual Inspection Program. Distribution visual inspection records are stored with the inspection vendor and O&R's Electric Information Management System (EIMS). Transmission inspections are conducted on and maintained as identified in the above Transmission Right-of-way and Line Maintenance Program description.

In 2025, approximately 20% of the T&D system was visually inspected. Sixty Level 1 deficiencies were identified on the distribution system and no Level 1 deficiencies were identified on the transmission system. All Level 1 deficiencies have been permanently repaired.

Title: STRAY VOLTAGE TESTING PROGRAM

By order issued on January 5, 2005, with subsequent revisions issued on July 21, 2005, December 15, 2008, March 22, 2013 and January 13, 2015 in Case 04-M-0159, the Commission required that O&R initiate a stray voltage testing program encompassing annual inspection of 20% of O&R facilities capable of conducting electricity, third-party facilities bonded electrically to the O&R system, and all municipal street and traffic light systems. Consistent with the Order, O&R has conducted stray voltage testing in 2024.

O&R conducts separate stray voltage testing of its T&D systems. A non-company contractor labor force performs the majority of the work. Electric Operations located in West Nyack, New York, administers the Distribution Visual Inspection Program. Inspections records are stored with the vendor and O&R's Electric Information Management System (EIMS). Transmission stray voltage testing is conducted and maintained as identified in the above Transmission Right-Of-Way and Line Maintenance Program description. Stray voltage testing was performed on all transmission structures and substation fences in 2021. As per the Safety Standards, it is required to be performed again in 2026. Transmission structures are tested on a five-year cycle.

During the 2025 testing cycle, eight stray voltage conditions >= 1.0 volt were identified and mitigated.

Title: UNDERGROUND CABLE REHAB AND REBUILD PROGRAM

All underground system outage statistics are analyzed on an individual subdivision basis and a priority listing developed. From this listing it is determined if the cable is to be rehabilitated or rebuilt. Where multiple cable failures have occurred on the same cable section, cables are replaced with Ethylene-Propylene Rubber (EPR) insulated cable.

On older cable subdivisions that have not had multiple cable failures, a less expensive rehabilitation process is considered. Rehabilitation is accomplished by injecting a patented silicone-based fluid into the interstices of the cable, which impregnates the insulation and fills the voids. This process restores the dielectric properties of the deteriorated cable.

Developments that are serviced by underground facilities are selected for cable rehabilitation based upon the following criteria:

1. Is not a three-phase system with three-phase dependent loads;
2. The U/G facilities incorporate a loop feed scheme;
3. The cable is rated 15 kV;
4. The cable is either 175 mil. or 220 mil., HMWPE or XLPE insulated.

The Rehabilitation Program is more of a proactive measure to increase customer reliability and therefore focuses on older underground developments that fit the rehabilitation criteria and have experienced a small number of outages due to cable failure. If there have been multiple outages within a cable section due to cable failures, it is usually more cost effective to rebuild the faulted sections.

Developments that are serviced by underground facilities are selected for cable replacement based upon their frequency of cable failures, and either do not fit the criteria for rehabilitation or have been unsuccessfully rehabilitated. Outage statistics are used as an initial guide in identifying underground developments that experience frequent outages. From this selection process, further outage analysis is required to isolate outages that occur only as a result of cable failure. A priority list is then constructed, which ranks URD developments according to outage frequency, customers affected, and load.

References:

The scope of work summaries for all the service reliability maintenance projects are maintained on O&R's work management system. The individual Operating Divisions maintain the overall records including the circuits that have been addressed and project timing. These Departments, along with Distribution Engineering, review the circuit statistics and performance to prioritize the circuits which need to be addressed or revisited as part of this program.

The scope of work and completion records for all the underground cable rehabilitation and rebuild projects is maintained on the work management system. The Underground Operating Department also maintains hard copy records of this program.

Title: **POWER QUALITY**
Subject: NYPSC Delivery System Program Review

In 2025, O&R continued its Power Quality (PQ) Initiative to help commercial and industrial (C&I) customers experiencing power quality issues affecting their electric service or electric usage. Several services were available to customers, including:

- Investigating root cause of power quality events experienced by customer,
- Communication of root cause of power quality events to customer,
- Reviewing and testing new power quality meters to best monitor customer data,
- Review of new software to enable quick analysis of customer power quality events.

Power Quality Complaint Resolution

O&R's systems track power quality issues in three categories: Flickering Lights, High Voltage, and Low Voltage. Each of the complaints in the following table was investigated, and the origin of each problem is identified in table below.

Summary of Power Quality Problems – 2025

Description		Divisions			Grand Total
Problem	**Cause**	**Eastern**	**Central**	**Western**	
Flickering Lights	Company	116	92	77	
	Customer	15	10	13	
	No Problem Found	46	39	44	
	Total	**177**	**141**	**134**	**452**
High Voltage	Company	5	10	13	
	Customer	0	1	4	
	No Problem Found	3	5	15	
	Total	**8**	**16**	**32**	**56**
Low Voltage	Company	32	14	22	
	Customer	3	3	3	
	No Problem Found	14	6	9	
	Total	**49**	**23**	**34**	**106**
Grand Total		**234**	**180**	**200**	**614**

In addition to the above incidents, more in-depth investigations of the following power quality and voltage complaints were conducted.

Voltage Investigations - Eastern Division

1. 245 Quaker Rd, Pomona, NY – Voltage complaint, power quality issue. The crew replaced all the animal guards and old insulators.

Voltage Investigations - Central Division

1. Spring Glen Pump, Goshen NY – Voltage complaint, power quality issue. Installed a third 25 kVA transformer to close the red leg bank.

Voltage Investigations - Western Division

1. Buck Knoll Hunt Club, 152 W PEENPACK TRL ELEC 1, Sparrow Bush, NY CDG-00343 – Meter reading and voltage complaint. A wire on voltage transformer broke. Crew repaired broken tap
2. 124 Lybolt Rd HSE, Middletown, NY- Voltage complaint, power quality issue. Crew de-energized and took a tap. Current voltage is well within the +/-5% voltage tolerance.

APPENDIX C

2025 Major Outages

Orange and Rockland
New York State Only
Major Outages
2025 non-excludable incidents affecting 5,000 or more customers.

Division	Date	Customers Affected	Cust Min of Interruption	Cause
Eastern	No outages over 5,000 customer			
Central	No outages over 5,000 customer			
Western	3/23/2025	5,364	227,946	Circuit Lockout, Sub-Transmission Event

APPENDIX D

2025 Circuit Performance Frequency and Restoration

Eastern Division 2025 Reliability Data – Excludes storms – Sorted by Frequency

	No. of Interruptions	Customers Affected	Customers Served	Customer Hours	SAIFI	CAIDI	SAIDI
54-4-13	8	805	315	1253.2	2.56	1.56	3.98
17-2-13	30	5593	2198	3835.8	2.54	0.69	1.75
51-6-13	26	2993	1331	3925.2	2.25	1.31	2.95
53-6-13	17	4002	1848	4934.3	2.17	1.23	2.67
54-3-13	4	190	97	365.0	1.96	1.92	3.76
22-1-13	17	1747	975	1780.0	1.79	1.02	1.83
42-2-13	11	1250	722	1945.8	1.73	1.56	2.69
24-11-13	20	3178	1875	4740.4	1.69	1.49	2.53
27-5-13	9	1934	1158	1653.3	1.67	0.85	1.43
53-8-13	4	798	484	185.3	1.65	0.23	0.38
51-5-13	13	2100	1275	1273.6	1.65	0.61	1.00
27-3-13	15	3516	2183	9185.7	1.61	2.61	4.21
22-2-13	16	2003	1283	2785.0	1.56	1.39	2.17
54-2-13	9	681	446	734.0	1.53	1.08	1.65
50-3-13	24	1224	832	1624.6	1.47	1.33	1.95
24-1-13	21	1553	1061	1666.1	1.46	1.07	1.57
45-10-13	16	1573	1077	1532.3	1.46	0.97	1.42
54-1-13	10	1252	909	808.3	1.38	0.65	0.89
51-4-13	7	1809	1355	1670.2	1.34	0.92	1.23
45-9-13	26	2187	1682	1678.7	1.30	0.77	1.00
44-3B-13	9	2625	2045	600.8	1.28	0.23	0.29
17-1-13	5	879	701	2531.2	1.25	2.88	3.61
21-11-13	9	1088	872	2578.1	1.25	2.37	2.96
51-1-13	21	1360	1106	1613.3	1.23	1.19	1.46
72-4-13	29	1627	1326	1501.8	1.23	0.92	1.13
44-5B-13	21	1646	1354	1438.8	1.22	0.87	1.06
53-1-13	33	2184	1819	1969.3	1.20	0.90	1.08
19-11-13	21	1928	1625	2555.4	1.19	1.33	1.57
19-10-13	24	3949	3437	3100.0	1.15	0.79	0.90
23-1-13	35	1411	1323	997.5	1.07	0.71	0.75
23-4-13	35	1640	1634	2617.3	1.00	1.60	1.60
51-2-13	21	917	917	1005.4	1.00	1.10	1.10
29-5-13	18	1921	2009	1716.8	0.96	0.89	0.85
45-4-13	14	2036	2184	1290.1	0.93	0.63	0.59
27-1-13	6	768	828	806.8	0.93	1.05	0.97
54-8-13	6	860	931	458.2	0.92	0.53	0.49
44-1-13	6	792	926	909.4	0.86	1.15	0.98
42-1-13	6	263	315	602.8	0.83	2.29	1.91
50-4-13	11	839	1023	621.7	0.82	0.74	0.61
45-2-13	10	820	1064	686.8	0.77	0.84	0.65

Circuit	No. of Interruptions	Customers Affected	Customers Served	Customer Hours	SAIFI	CAIDI	SAIDI
22-6-13	4	184	243	243.3	0.76	1.32	1.00
45-8-13	26	1363	1850	2888.4	0.74	2.12	1.56
68-4-13	14	341	475	762.8	0.72	2.24	1.61
27-2-13	23	1837	2616	1166.1	0.70	0.63	0.45
44-4-13	4	453	649	1152.6	0.70	2.54	1.78
45-5-13	42	892	1315	2578.6	0.68	2.89	1.96
50-2-13	26	1110	1766	1071.2	0.63	0.97	0.61
51-8-13	6	340	589	496.6	0.58	1.46	0.84
54-7-13	14	888	1552	799.1	0.57	0.90	0.51
50-1-13	6	280	490	582.5	0.57	2.08	1.19
21-16-13	2	291	510	438.1	0.57	1.51	0.86
72-7-13	3	300	530	248.2	0.57	0.83	0.47
54-5-13	2	19	34	15.4	0.56	0.81	0.45
19-9-13	12	980	1768	3668.3	0.55	3.74	2.07
21-13-13	31	877	1600	1727.9	0.55	1.97	1.08
42-3-13	12	627	1208	684.7	0.52	1.09	0.57
23-2-13	10	486	950	915.6	0.51	1.88	0.96
53-7-13	9	534	1111	576.5	0.48	1.08	0.52
53-3-13	10	259	560	602.5	0.46	2.33	1.08
29-8-13	10	1049	2345	1189.6	0.45	1.13	0.51
27-7-13	24	892	2025	1469.4	0.44	1.65	0.73
27-4-13	7	955	2229	422.9	0.43	0.44	0.19
19-14-13	25	958	2283	989.9	0.42	1.03	0.43
72-3-13	16	508	1234	613.2	0.41	1.21	0.50
45-6-13	18	310	763	597.0	0.41	1.93	0.78
45-1-13	20	373	961	905.7	0.39	2.43	0.94
51-3-13	10	204	532	234.7	0.38	1.15	0.44
44-6-13	24	343	1108	626.8	0.31	1.83	0.57
58-5-13	21	321	1063	914.2	0.30	2.85	0.86
22-5-13	15	442	1511	425.9	0.29	0.96	0.28
44-5A-13	5	475	1837	784.2	0.26	1.65	0.43
44-2-13	8	252	1019	740.7	0.25	2.94	0.73
45-3-13	10	358	1467	697.6	0.24	1.95	0.48
26-6-13	5	48	198	112.2	0.24	2.34	0.57
19-8-13	19	662	2891	1613.5	0.23	2.44	0.56
24-4-13	4	336	1475	1246.7	0.23	3.71	0.85
22-8-13	4	121	576	380.9	0.21	3.15	0.66
21-9-13	8	89	450	209.9	0.20	2.36	0.47
54-6-13	10	281	1495	395.6	0.19	1.41	0.26
22-4-13	13	201	1265	855.9	0.16	4.26	0.68

Circuit	No. of Interruptions	Customers Affected	Customers Served	Customer Hours	SAIFI	CAIDI	SAIDI
16M3-11-13	15	209	1352	460.4	0.15	2.20	0.34
24-2-13	13	201	1380	281.7	0.15	1.40	0.20
27-6-13	15	218	1543	439.9	0.14	2.02	0.29
23-6-13	10	285	2056	834.7	0.14	2.93	0.41
19-12-13	13	202	1495	416.6	0.14	2.06	0.28
27-8-13	13	206	1620	860.1	0.13	4.18	0.53
22-7-13	22	310	2566	433.0	0.12	1.40	0.17
22-3-13	1	67	564	68.1	0.12	1.02	0.12
24-12-13	14	135	1159	511.9	0.12	3.79	0.44
21-12-13	4	181	1703	322.3	0.11	1.78	0.19
19-15-13	9	193	1837	426.5	0.11	2.21	0.23
26-2-13	3	87	943	160.0	0.09	1.84	0.17
30-5-13	5	47	518	87.4	0.09	1.86	0.17
44-3A-13	15	138	1661	329.7	0.08	2.39	0.20
45-7-13	11	77	1001	205.3	0.08	2.67	0.21
19-13-13	8	94	1574	214.9	0.06	2.29	0.14
23-3-13	4	29	1014	32.4	0.03	1.12	0.03
24-10-13	1	4	161	15.5	0.02	3.88	0.10
24-3-13	2	5	230	4.3	0.02	0.86	0.02
21-15-13	1	2	169	12.2	0.01	6.08	0.07
72-2-13	0	0	867	0.0	0.00	0.00	0.00
26-5-13	0	0	132	0.0	0.00	0.00	0.00
21-14-13	0	0	132	0.0	0.00	0.00	0.00
26-1-13	0	0	18	0.0	0.00	0.00	0.00
26-10-13	0	0	4	0.0	0.00	0.00	0.00
23-5-13	0	0	3	0.0	0.00	0.00	0.00
24-8-13	0	0	3	0.0	0.00	0.00	0.00
98-1-13	0	0	1	0.0	0.00	0.00	0.00

Eastern Division 2025 Reliability Data – Excludes storms – Sorted by Restoration

ircuit	No. of Interruptions	Customers Affected	Customers Served	Customer Hours	SAIFI	CAIDI	SAIDI
21-15-13	1	2	169	12.2	0.01	6.08	0.07
22-4-13	13	201	1265	855.9	0.16	4.26	0.68
27-8-13	13	206	1620	860.1	0.13	4.18	0.53
24-10-13	1	4	161	15.5	0.02	3.88	0.10
24-12-13	14	135	1159	511.9	0.12	3.79	0.44
19-9-13	12	980	1768	3668.3	0.55	3.74	2.07
24-4-13	4	336	1475	1246.7	0.23	3.71	0.85
22-8-13	4	121	576	380.9	0.21	3.15	0.66
44-2-13	8	252	1019	740.7	0.25	2.94	0.73
23-6-13	10	285	2056	834.7	0.14	2.93	0.41
45-5-13	42	892	1315	2578.6	0.68	2.89	1.96
17-1-13	5	879	701	2531.2	1.25	2.88	3.61
58-5-13	21	321	1063	914.2	0.30	2.85	0.86
45-7-13	11	77	1001	205.3	0.08	2.67	0.21
27-3-13	15	3516	2183	9185.7	1.61	2.61	4.21
44-4-13	4	453	649	1152.6	0.70	2.54	1.78
19-8-13	19	662	2891	1613.5	0.23	2.44	0.56
45-1-13	20	373	961	905.7	0.39	2.43	0.94
44-3A-13	15	138	1661	329.7	0.08	2.39	0.20
21-11-13	9	1088	872	2578.1	1.25	2.37	2.96
21-9-13	8	89	450	209.9	0.20	2.36	0.47
26-6-13	5	48	198	112.2	0.24	2.34	0.57
53-3-13	10	259	560	602.5	0.46	2.33	1.08
42-1-13	6	263	315	602.8	0.83	2.29	1.91
19-13-13	8	94	1574	214.9	0.06	2.29	0.14
68-4-13	14	341	475	762.8	0.72	2.24	1.61
19-15-13	9	193	1837	426.5	0.11	2.21	0.23
16M3-11-13	15	209	1352	460.4	0.15	2.20	0.34
45-8-13	26	1363	1850	2888.4	0.74	2.12	1.56
50-1-13	6	280	490	582.5	0.57	2.08	1.19
19-12-13	13	202	1495	416.6	0.14	2.06	0.28
27-6-13	15	218	1543	439.9	0.14	2.02	0.29
21-13-13	31	877	1600	1727.9	0.55	1.97	1.08
45-3-13	10	358	1467	697.6	0.24	1.95	0.48
45-6-13	18	310	763	597.0	0.41	1.93	0.78
54-3-13	4	190	97	365.0	1.96	1.92	3.76
23-2-13	10	486	950	915.6	0.51	1.88	0.96
30-5-13	5	47	518	87.4	0.09	1.86	0.17
26-2-13	3	87	943	160.0	0.09	1.84	0.17
44-6-13	24	343	1108	626.8	0.31	1.83	0.57

Circuit	No. of Interruptions	Customers Affected	Customers Served	Customer Hours	SAIFI	CAIDI	SAIDI
21-12-13	4	181	1703	322.3	0.11	1.78	0.19
44-5A-13	5	475	1837	784.2	0.26	1.65	0.43
27-7-13	24	892	2025	1469.4	0.44	1.65	0.73
23-4-13	35	1640	1634	2617.3	1.00	1.60	1.60
54-4-13	8	805	315	1253.2	2.56	1.56	3.98
42-2-13	11	1250	722	1945.8	1.73	1.56	2.69
21-16-13	2	291	510	438.1	0.57	1.51	0.86
24-11-13	20	3178	1875	4740.4	1.69	1.49	2.53
51-8-13	6	340	589	496.6	0.58	1.46	0.84
54-6-13	10	281	1495	395.6	0.19	1.41	0.26
24-2-13	13	201	1380	281.7	0.15	1.40	0.20
22-7-13	22	310	2566	433.0	0.12	1.40	0.17
22-2-13	16	2003	1283	2785.0	1.56	1.39	2.17
50-3-13	24	1224	832	1624.6	1.47	1.33	1.95
19-11-13	21	1928	1625	2555.4	1.19	1.33	1.57
22-6-13	4	184	243	243.3	0.76	1.32	1.00
51-6-13	26	2993	1331	3925.2	2.25	1.31	2.95
53-6-13	17	4002	1848	4934.3	2.17	1.23	2.67
72-3-13	16	508	1234	613.2	0.41	1.21	0.50
51-1-13	21	1360	1106	1613.3	1.23	1.19	1.46
51-3-13	10	204	532	234.7	0.38	1.15	0.44
44-1-13	6	792	926	909.4	0.86	1.15	0.98
29-8-13	10	1049	2345	1189.6	0.45	1.13	0.51
23-3-13	4	29	1014	32.4	0.03	1.12	0.03
51-2-13	21	917	917	1005.4	1.00	1.10	1.10
42-3-13	12	627	1208	684.7	0.52	1.09	0.57
53-7-13	9	534	1111	576.5	0.48	1.08	0.52
54-2-13	9	681	446	734.0	1.53	1.08	1.65
24-1-13	21	1553	1061	1666.1	1.46	1.07	1.57
27-1-13	6	768	828	806.8	0.93	1.05	0.97
19-14-13	25	958	2283	989.9	0.42	1.03	0.43
22-1-13	17	1747	975	1780.0	1.79	1.02	1.83
22-3-13	1	67	564	68.1	0.12	1.02	0.12
45-10-13	16	1573	1077	1532.3	1.46	0.97	1.42
50-2-13	26	1110	1766	1071.2	0.63	0.97	0.61
22-5-13	15	442	1511	425.9	0.29	0.96	0.28
51-4-13	7	1809	1355	1670.2	1.34	0.92	1.23
72-4-13	29	1627	1326	1501.8	1.23	0.92	1.13
53-1-13	33	2184	1819	1969.3	1.20	0.90	1.08
54-7-13	14	888	1552	799.1	0.57	0.90	0.51

Circuit	No. of Interruptions	Customers Affected	Customers Served	Customer Hours	SAIFI	CAIDI	SAIDI
29-5-13	18	1921	2009	1716.8	0.96	0.89	0.85
44-5B-13	21	1646	1354	1438.8	1.22	0.87	1.06
24-3-13	2	5	230	4.3	0.02	0.86	0.02
27-5-13	9	1934	1158	1653.3	1.67	0.85	1.43
45-2-13	10	820	1064	686.8	0.77	0.84	0.65
72-7-13	3	300	530	248.2	0.57	0.83	0.47
54-5-13	2	19	34	15.4	0.56	0.81	0.45
19-10-13	24	3949	3437	3100.0	1.15	0.79	0.90
45-9-13	26	2187	1682	1678.7	1.30	0.77	1.00
50-4-13	11	839	1023	621.7	0.82	0.74	0.61
23-1-13	35	1411	1323	997.5	1.07	0.71	0.75
17-2-13	30	5593	2198	3835.8	2.54	0.69	1.75
54-1-13	10	1252	909	808.3	1.38	0.65	0.89
27-2-13	23	1837	2616	1166.1	0.70	0.63	0.45
45-4-13	14	2036	2184	1290.1	0.93	0.63	0.59
51-5-13	13	2100	1275	1273.6	1.65	0.61	1.00
54-8-13	6	860	931	458.2	0.92	0.53	0.49
27-4-13	7	955	2229	422.9	0.43	0.44	0.19
53-8-13	4	798	484	185.3	1.65	0.23	0.38
44-3B-13	9	2625	2045	600.8	1.28	0.23	0.29
72-2-13	0	0	867	0.0	0.00	0.00	0.00
26-5-13	0	0	132	0.0	0.00	0.00	0.00
21-14-13	0	0	132	0.0	0.00	0.00	0.00
26-1-13	0	0	18	0.0	0.00	0.00	0.00
26-10-13	0	0	4	0.0	0.00	0.00	0.00
23-5-13	0	0	3	0.0	0.00	0.00	0.00
24-8-13	0	0	3	0.0	0.00	0.00	0.00
98-1-13	0	0	1	0.0	0.00	0.00	0.00

Eastern Division Circuit Analysis

Total Circuits	108	
SAIFI Goal	1.20	
Meets SAIFI Goal	76	70%
CAIDI Goal (Hrs.)	1.50	
Meets CAIDI Goal	61	56%

Eastern Division circuits with less than 100 customers or less than 3 interruptions in 2025

Circuit	No. of Interruptions	Customers Served
98-1-13	0	1
23-5-13	0	3
24-8-13	0	3
26-10-13	0	4
26-1-13	0	18
54-5-13	2	34
54-3-13	4	97
98-1-13	0	1
23-5-13	0	3
24-8-13	0	3
26-10-13	0	4
26-1-13	0	18
26-5-13	0	132
21-14-13	0	132
72-2-13	0	867
24-10-13	1	161
21-15-13	1	169
22-3-13	1	564
54-5-13	2	34
24-3-13	2	230
21-16-13	2	510
72-7-13	3	530
26-2-13	3	943

Central Division 2025 Reliability Data – Excludes storms – Sorted by Frequency

Circuit	No. of Interruptions	Customers Affected	Customers Served	Customer Hours	SAIFI	CAIDI	SAIDI
86-11-13	7	2313	61	5254.1	37.92	2.27	86.13
63-9-34	4	177	14	494.4	12.64	2.79	35.32
71-5-13	11	2667	379	1497.2	7.04	0.56	3.95
89-2-13	32	1728	352	5292.3	4.91	3.06	15.04
86-8-13	23	7101	1816	5305.4	3.91	0.75	2.92
61-5-13	12	1454	396	2711.5	3.67	1.86	6.85
61-10-13	61	4103	1247	7142.7	3.29	1.74	5.73
63-7-13	20	3460	1294	3842.8	2.67	1.11	2.97
103-2-13	26	2536	1260	3458.7	2.01	1.36	2.74
80-2-13	37	3537	1813	5825.2	1.95	1.65	3.21
84-1-13	32	4620	2482	11939.6	1.86	2.58	4.81
67-1-13	39	2048	1110	6868.5	1.85	3.35	6.19
86-1-13	19	1111	606	4199.8	1.83	3.78	6.93
103-3-13	29	1953	1115	5953.2	1.75	3.05	5.34
84-3-13	31	3201	1987	5717.9	1.61	1.79	2.88
91-3-13	15	1028	751	1687.4	1.37	1.64	2.25
71-2-13	37	2196	1610	4443.0	1.36	2.02	2.76
80-5-13	36	2357	1741	3415.0	1.35	1.45	1.96
86-4-13	19	1700	1293	2681.8	1.31	1.58	2.07
61-1-13	19	1861	1521	2626.7	1.22	1.41	1.73
71-3-13	37	2589	2285	3776.6	1.13	1.46	1.65
73-6-13	18	636	604	1420.4	1.05	2.23	2.35
63-1-13	20	907	892	1446.7	1.02	1.60	1.62
63-6-13	2	274	273	104.4	1.00	0.38	0.38
128M-1-13	13	551	583	983.8	0.95	1.79	1.69
71-4-13	5	371	398	317.5	0.93	0.86	0.80
68-2-13	2	18	21	58.2	0.86	3.23	2.77
73-1-13	7	1048	1241	2687.4	0.84	2.56	2.17
89-10-34	4	166	200	1132.5	0.83	6.82	5.66
80-3-13	45	1952	2386	5203.1	0.82	2.67	2.18
63-4-13	18	811	1028	725.9	0.79	0.90	0.71
86-5-13	4	24	32	43.9	0.75	1.83	1.37
80-1-13	22	697	999	1129.9	0.70	1.62	1.13
86-3-13	25	1426	2168	3181.2	0.66	2.23	1.47
61-6-13	6	540	824	1633.4	0.66	3.02	1.98
89-1-13	18	932	1649	2729.2	0.57	2.93	1.66
71-8-13	14	765	1469	1848.4	0.52	2.42	1.26
13-9-13	15	871	1711	825.8	0.51	0.95	0.48
61-4-13	12	818	1658	2867.8	0.49	3.51	1.73
71-7-13	20	368	882	2349.2	0.42	6.38	2.66

Circuit	No. of Interruptions	Customers Affected	Customers Served	Customer Hours	SAIFI	CAIDI	SAIDI
91-4-13	4	184	499	627.5	0.37	3.41	1.26
63-3-13	21	689	2109	1496.8	0.33	2.17	0.71
63-2-13	11	289	1059	801.5	0.27	2.77	0.76
61-3-13	13	547	2067	1016.2	0.26	1.86	0.49
129M-1-13	2	416	1816	1037.3	0.23	2.49	0.57
61-9-13	11	555	2981	2494.3	0.19	4.49	0.84
61-7-13	3	95	566	73.2	0.17	0.77	0.13
61-2-13	6	360	2540	790.2	0.14	2.20	0.31
61-8-13	12	182	1335	218.0	0.14	1.20	0.16
89-3-13	7	133	1359	195.9	0.10	1.47	0.14
84-2-13	6	136	1474	710.9	0.09	5.23	0.48
63-8-13	6	87	1035	358.0	0.08	4.12	0.35
71-1-13	1	21	304	142.7	0.07	6.80	0.47
13-3-13	1	4	63	1.0	0.06	0.25	0.02
129M-2-13	4	40	1366	197.7	0.03	4.94	0.14
67-2-13	0	0	55	0.0	0.00	0.00	0.00
80-4-13	0	0	16	0.0	0.00	0.00	0.00
86-10-13	0	0	35	0.0	0.00	0.00	0.00
91-2-13	0	0	18	0.0	0.00	0.00	0.00
71-6-13	0	0	6	0.0	0.00	0.00	0.00
82-4-13	0	0	5	0.0	0.00	0.00	0.00
91-1-13	0	0	1	0.0	0.00	0.00	0.00

Central Division 2025 Reliability Data – Excludes storms – Sorted by Restoration

Circuit	No. of Interruptions	Customers Affected	Customers Served	Customer Hours	SAIFI	CAIDI	SAIDI
89-10-34	4	166	200	1132.5	0.83	6.82	5.66
71-1-13	1	21	304	142.7	0.07	6.80	0.47
71-7-13	20	368	882	2349.2	0.42	6.38	2.66
84-2-13	6	136	1474	710.9	0.09	5.23	0.48
129M-2-13	4	40	1366	197.7	0.03	4.94	0.14
61-9-13	11	555	2981	2494.3	0.19	4.49	0.84
63-8-13	6	87	1035	358.0	0.08	4.12	0.35
86-1-13	19	1111	606	4199.8	1.83	3.78	6.93
61-4-13	12	818	1658	2867.8	0.49	3.51	1.73
91-4-13	4	184	499	627.5	0.37	3.41	1.26
67-1-13	39	2048	1110	6868.5	1.85	3.35	6.19
68-2-13	2	18	21	58.2	0.86	3.23	2.77
89-2-13	32	1728	352	5292.3	4.91	3.06	15.04
103-3-13	29	1953	1115	5953.2	1.75	3.05	5.34
61-6-13	6	540	824	1633.4	0.66	3.02	1.98
89-1-13	18	932	1649	2729.2	0.57	2.93	1.66
63-9-34	4	177	14	494.4	12.64	2.79	35.32
63-2-13	11	289	1059	801.5	0.27	2.77	0.76
80-3-13	45	1952	2386	5203.1	0.82	2.67	2.18
84-1-13	32	4620	2482	11939.6	1.86	2.58	4.81
73-1-13	7	1048	1241	2687.4	0.84	2.56	2.17
129M-1-13	2	416	1816	1037.3	0.23	2.49	0.57
71-8-13	14	765	1469	1848.4	0.52	2.42	1.26
86-11-13	7	2313	61	5254.1	37.92	2.27	86.13
73-6-13	18	636	604	1420.4	1.05	2.23	2.35
86-3-13	25	1426	2168	3181.2	0.66	2.23	1.47
61-2-13	6	360	2540	790.2	0.14	2.20	0.31
63-3-13	21	689	2109	1496.8	0.33	2.17	0.71
71-2-13	37	2196	1610	4443.0	1.36	2.02	2.76
61-5-13	12	1454	396	2711.5	3.67	1.86	6.85
61-3-13	13	547	2067	1016.2	0.26	1.86	0.49
86-5-13	4	24	32	43.9	0.75	1.83	1.37
84-3-13	31	3201	1987	5717.9	1.61	1.79	2.88
128M-1-13	13	551	583	983.8	0.95	1.79	1.69
61-10-13	61	4103	1247	7142.7	3.29	1.74	5.73
80-2-13	37	3537	1813	5825.2	1.95	1.65	3.21
91-3-13	15	1028	751	1687.4	1.37	1.64	2.25
80-1-13	22	697	999	1129.9	0.70	1.62	1.13
63-1-13	20	907	892	1446.7	1.02	1.60	1.62
86-4-13	19	1700	1293	2681.8	1.31	1.58	2.07

Circuit	No. of Interruptions	Customers Affected	Customers Served	Customer Hours	SAIFI	CAIDI	SAIDI
89-3-13	7	133	1359	195.9	0.10	1.47	0.14
71-3-13	37	2589	2285	3776.6	1.13	1.46	1.65
80-5-13	36	2357	1741	3415.0	1.35	1.45	1.96
61-1-13	19	1861	1521	2626.7	1.22	1.41	1.73
103-2-13	26	2536	1260	3458.7	2.01	1.36	2.74
61-8-13	12	182	1335	218.0	0.14	1.20	0.16
63-7-13	20	3460	1294	3842.8	2.67	1.11	2.97
13-9-13	15	871	1711	825.8	0.51	0.95	0.48
63-4-13	18	811	1028	725.9	0.79	0.90	0.71
71-4-13	5	371	398	317.5	0.93	0.86	0.80
61-7-13	3	95	566	73.2	0.17	0.77	0.13
86-8-13	23	7101	1816	5305.4	3.91	0.75	2.92
71-5-13	11	2667	379	1497.2	7.04	0.56	3.95
63-6-13	2	274	273	104.4	1.00	0.38	0.38
13-3-13	1	4	63	1.0	0.06	0.25	0.02
67-2-13	0	0	55	0.0	0.00	0.00	0.00
80-4-13	0	0	16	0.0	0.00	0.00	0.00
86-10-13	0	0	35	0.0	0.00	0.00	0.00
91-2-13	0	0	18	0.0	0.00	0.00	0.00
71-6-13	0	0	6	0.0	0.00	0.00	0.00
82-4-13	0	0	5	0.0	0.00	0.00	0.00
91-1-13	0	0	1	0.0	0.00	0.00	0.00

Central Division Circuit Analysis

Total Circuits	62	
SAIFI Goal	1.40	
Meets SAIFI Goal	42	68%
CAIDI Goal (Hrs.)	1.75	
Meets CAIDI Goal	28	45%

Central Division Circuits with less than 100 customers or less than 3 interruptions in 2025

Circuit	No. of Interruptions	Customers Served
91-1-13	0	1
82-4-13	0	5
71-6-13	0	6
63-9-34	4	14
80-4-13	0	16
91-2-13	0	18
68-2-13	2	21
86-5-13	4	32
86-10-13	0	35
67-2-13	0	55
86-11-13	7	61
13-3-13	1	63
91-1-13	0	1
82-4-13	0	5
71-6-13	0	6
80-4-13	0	16
91-2-13	0	18
86-10-13	0	35
67-2-13	0	55
13-3-13	1	63
71-1-13	1	304
68-2-13	2	21
63-6-13	2	273
129M-1-13	2	1816
61-7-13	3	566

Western Division 2025 Reliability Data – Excludes storms – Sorted by Frequency

Circuit	No. of Interruptions	Customers Affected	Customers Served	Customer Hours	SAIFI	CAIDI	SAIDI
3-1S-34	37	3073	545	8383.8	5.64	2.73	15.38
6-4-13	40	4774	1057	9627.8	4.52	2.02	9.11
9-1-48	40	7308	1648	13197.0	4.43	1.81	8.01
5-3-34	69	6640	1518	16088.1	4.37	2.42	10.60
11-4-13	22	4332	1040	5212.3	4.17	1.20	5.01
10-2-13	40	3550	909	9899.3	3.91	2.79	10.89
109-4-34	48	8035	2296	12660.1	3.50	1.58	5.51
2-1-13	26	2205	666	6940.9	3.31	3.15	10.42
103-4-13	49	7199	2267	6454.8	3.18	0.90	2.85
116-1-34	26	2205	718	7027.1	3.07	3.19	9.79
9-2-48	15	966	343	675.8	2.82	0.70	1.97
6-7-13	19	1389	521	2276.1	2.67	1.64	4.37
116-2-34	2	20	8	81.7	2.50	4.08	10.21
12-1-13	52	4948	2083	10232.4	2.38	2.07	4.91
13-8-13	12	1242	549	940.9	2.26	0.76	1.71
5-10-34	37	1950	937	7633.5	2.08	3.91	8.15
12-3-13	35	1585	872	3430.5	1.82	2.16	3.93
3-1N-34	27	2056	1182	4745.4	1.74	2.31	4.01
13-7-13	3	843	532	1028.0	1.58	1.22	1.93
7-2-13	13	1895	1222	2150.2	1.55	1.13	1.76
6-1-13	21	1158	845	1636.5	1.37	1.41	1.94
102-2-13	17	1464	1079	1962.1	1.36	1.34	1.82
15-3-13	7	1805	1541	1731.0	1.17	0.96	1.12
6-2-13	36	1083	955	3148.9	1.13	2.91	3.30
103-1-13	6	761	705	983.4	1.08	1.29	1.39
113-2-13	8	1951	1882	3020.3	1.04	1.55	1.60
113-7-13	1	797	770	174.5	1.04	0.22	0.23
113-1-13	1	89	86	11.9	1.03	0.13	0.14
11-2-13	15	3325	3327	2390.5	1.00	0.72	0.72
1-1-13	3	6	7	49.3	0.86	8.22	7.04
11-3-13	10	1068	1259	1491.5	0.85	1.40	1.18
116-8-13	26	1479	1841	703.1	0.80	0.48	0.38
113-4-13	13	1167	1520	589.8	0.77	0.51	0.39
102-1-13	11	485	662	1990.4	0.73	4.10	3.01
15-6-13	14	1098	1576	3558.8	0.70	3.24	2.26
13-2-13	6	296	427	245.3	0.69	0.83	0.57
15-1-13	8	261	389	1027.8	0.67	3.94	2.64
11-1-13	12	1162	1924	1849.9	0.60	1.59	0.96
7-1-13	25	564	1077	1118.6	0.52	1.98	1.04
109-2-13	23	821	1735	973.5	0.47	1.19	0.56

Circuit	No. of Interruptions	Customers Affected	Customers Served	Customer Hours	SAIFI	CAIDI	SAIDI
113-8-13	8	225	531	406.4	0.42	1.81	0.77
102-3-13	13	308	853	661.3	0.36	2.15	0.78
109-1-13	25	845	3052	1169.1	0.28	1.38	0.38
6-5-13	2	14	52	19.2	0.27	1.37	0.37
109-3-13	21	455	2582	323.9	0.18	0.71	0.13
6-8-13	10	85	549	151.6	0.15	1.78	0.28
113-5-13	11	208	1440	431.8	0.14	2.08	0.30
113-3-13	2	18	289	48.6	0.06	2.70	0.17
15-2-13	1	2	41	5.3	0.05	2.67	0.13
7-3-13	2	12	257	22.5	0.05	1.87	0.09
13-4-13	1	3	181	23.3	0.02	7.77	0.13
113-6-13	1	3	540	33.6	0.01	11.18	0.06
15-4-13	0	0	76	0.0	0.00	0.00	0.00
15-5-13	0	0	17	0.0	0.00	0.00	0.00

Western Division 2025 Reliability Data – Excludes storms – Sorted by Restoration

Circuit	No. of Interruptions	Customers Affected	Customers Served	Customer Hours	SAIFI	CAIDI	SAIDI
113-6-13	1	3	540	33.6	0.01	11.18	0.06
1-1-13	3	6	7	49.3	0.86	8.22	7.04
13-4-13	1	3	181	23.3	0.02	7.77	0.13
102-1-13	11	485	662	1990.4	0.73	4.10	3.01
116-2-34	2	20	8	81.7	2.50	4.08	10.21
15-1-13	8	261	389	1027.8	0.67	3.94	2.64
5-10-34	37	1950	937	7633.5	2.08	3.91	8.15
15-6-13	14	1098	1576	3558.8	0.70	3.24	2.26
116-1-34	26	2205	718	7027.1	3.07	3.19	9.79
2-1-13	26	2205	666	6940.9	3.31	3.15	10.42
6-2-13	36	1083	955	3148.9	1.13	2.91	3.30
10-2-13	40	3550	909	9899.3	3.91	2.79	10.89
3-1S-34	37	3073	545	8383.8	5.64	2.73	15.38
113-3-13	2	18	289	48.6	0.06	2.70	0.17
15-2-13	1	2	41	5.3	0.05	2.67	0.13
5-3-34	69	6640	1518	16088.1	4.37	2.42	10.60
3-1N-34	27	2056	1182	4745.4	1.74	2.31	4.01
12-3-13	35	1585	872	3430.5	1.82	2.16	3.93
102-3-13	13	308	853	661.3	0.36	2.15	0.78
113-5-13	11	208	1440	431.8	0.14	2.08	0.30
12-1-13	52	4948	2083	10232.4	2.38	2.07	4.91
6-4-13	40	4774	1057	9627.8	4.52	2.02	9.11
7-1-13	25	564	1077	1118.6	0.52	1.98	1.04
7-3-13	2	12	257	22.5	0.05	1.87	0.09
113-8-13	8	225	531	406.4	0.42	1.81	0.77
9-1-48	40	7308	1648	13197.0	4.43	1.81	8.01
6-8-13	10	85	549	151.6	0.15	1.78	0.28
6-7-13	19	1389	521	2276.1	2.67	1.64	4.37
11-1-13	12	1162	1924	1849.9	0.60	1.59	0.96
109-4-34	48	8035	2296	12660.1	3.50	1.58	5.51
113-2-13	8	1951	1882	3020.3	1.04	1.55	1.60
6-1-13	21	1158	845	1636.5	1.37	1.41	1.94
11-3-13	10	1068	1259	1491.5	0.85	1.40	1.18
109-1-13	25	845	3052	1169.1	0.28	1.38	0.38
6-5-13	2	14	52	19.2	0.27	1.37	0.37
102-2-13	17	1464	1079	1962.1	1.36	1.34	1.82
103-1-13	6	761	705	983.4	1.08	1.29	1.39
13-7-13	3	843	532	1028.0	1.58	1.22	1.93
11-4-13	22	4332	1040	5212.3	4.17	1.20	5.01
109-2-13	23	821	1735	973.5	0.47	1.19	0.56

Circuit	No. of Interruptions	Customers Affected	Customers Served	Customer Hours	SAIFI	CAIDI	SAIDI
7-2-13	13	1895	1222	2150.2	1.55	1.13	1.76
15-3-13	7	1805	1541	1731.0	1.17	0.96	1.12
103-4-13	49	7199	2267	6454.8	3.18	0.90	2.85
13-2-13	6	296	427	245.3	0.69	0.83	0.57
13-8-13	12	1242	549	940.9	2.26	0.76	1.71
11-2-13	15	3325	3327	2390.5	1.00	0.72	0.72
109-3-13	21	455	2582	323.9	0.18	0.71	0.13
9-2-48	15	966	343	675.8	2.82	0.70	1.97
113-4-13	13	1167	1520	589.8	0.77	0.51	0.39
116-8-13	26	1479	1841	703.1	0.80	0.48	0.38
113-7-13	1	797	770	174.5	1.04	0.22	0.23
113-1-13	1	89	86	11.9	1.03	0.13	0.14
15-4-13	0	0	76	0.0	0.00	0.00	0.00
15-5-13	0	0	17	0.0	0.00	0.00	0.00

Western Division Circuit Analysis

Total Circuits	54	
SAIFI Goal	1.70	
Meets SAIFI Goal	36	67%
CAIDI Goal (Hrs.)	2.00	
Meets CAIDI Goal	32	59%

Western Division Circuits with less than 100 customers or less than 3 interruptions in 2025

Circuit	No. of Interruptions	Customers Served
1-1-13	3	7
116-2-34	2	8
15-5-13	0	17
15-2-13	1	41
6-5-13	2	52
15-4-13	0	76
113-1-13	1	86
15-5-13	0	17
15-4-13	0	76
15-2-13	1	41
113-1-13	1	86
13-4-13	1	181
113-6-13	1	540
113-7-13	1	770
116-2-34	2	8
6-5-13	2	52
7-3-13	2	257
113-3-13	2	289
1-1-13	3	7
13-7-13	3	532

APPENDIX E

2025 Storm Analysis Table

2025 Storm Analysis
O&R – Company

Major Storm Exclusions – 2025									
Event Start Date	**Event Stop Date**	**Division**	**Number of Outage Jobs**	**Interruptions**	**Customers Affected**	**Customer Hours of Interruption**	**Storm Duration (Days/Hrs/ Min)**	**Criteria**	**Conditions**
1/30/2025	1/30/2025	Central	9	9	10,407	7,956	6.0	10% of operating division	Wind, Transmission
2/16/2025	2/18/2025	All Divisions	147	147	10,863	25,557	54.5	24 Hour & 10% of Western division	Winter Storm
4/12/2025	4/13/2025	West	8	8	2,845	3,756	42.5	24 Hour	Rain, Transmission
5/18/2025	5/18/2025	East	12	12	14,742	6,028	0.9	10% of operating division	Wind, Transmission
6/6/2025	6/7/2025	West	8	8	6,438	17,067	32.3	24 Hour	Thunderstorms
7/3/2025	7/4/2025	West	29	29	10,725	25,717	53.1	24 Hour	Thunderstorms
10/30/2025	11/1/2025	All Divisions	169	169	14,349	47,535	83.8	24 Hour	Wind Event
11/5/2025	11/6/2025	Central, West	48	48	3,750	8,973	45.2	24 Hour	Wind Event
11/16/2025	11/17/2025	West	33	33	1,105	5,888	49.2	24 Hour	Wind Event
12/19/2025	12/21/2025	Central, East	93	93	6,504	37,479	96.1	24 Hour	Wind Event

APPENDIX F

2025 Service Reliability Program Expenditures

O&R Electric Service Reliability Programs ($000's)						
		Budget				
		2021	2022	2023	2024	2025
Transmission Line Maintenance						
Aerial Patrol	O&M	122.1	122.1	122.1	122.1	124.5
Tower Inspection (TIMS)	O&M	-	-	-	-	
Transmission Line R.O.W. (Vegetation)	O&M	2,400.0	2,400.0	2,400.0	2,400.0	2,448.0
Transmission Line Maintenance (TLM)	O&M	115.0	115.0	115.0	115.0	117.0
Distribution Maintenance						
Distribution Tree Trimming	O&M	7,000.2	8,500.0	9,650.0	9,650.0	10,368.6
Distribution Line Maintenance	O&M	-	-	-	-	
Infrared Thermal Inspection Program	O&M	174.3	174.3	224.3	224.3	228.8
Stray Voltage Program	O&M	1,792.6	1,737.6	1,737.6	1,737.6	1,639.7
Total O&M		**11,604.2**	**13,049.0**	**14,249.0**	**14,249.0**	**14,926.6**
Midpoint Recloser/Sectionalizer Program	Capital	8,700.00	8,038.0	8,038.0	8,038.0	8,038.0
Underground Gasification/Rehab Program	Capital	-	-	647.6	-	619.4
Underground Rebuild Program	Capital	1,750.0	1,750.0	1,750.0	1,750.0	1,747.8
Total Capital		**10,450.0**	**9,788.0**	**10,435.6**	**9,788.0**	**10,405.2**

O&R Electric Service Reliability Programs ($000's)						
		Actuals				
		2021	2022	2023	2024	2025
Transmission Line Maintenance						
Aerial Patrol	O&M	76.5	95.5	191.4	66.0	122.3
Tower Inspection (TIMS)	O&M	-	-	-	-	-
Transmission Line R.O.W. (Vegetation)	O&M	1,745.7	1,721.4	2,346.7	1,803.5	1,887.0
Transmission Line Maintenance (TLM)	O&M	-	-	-	-	-
Distribution Maintenance						
Distribution Tree Trimming	O&M	5,856.9	6,346.4	8,492.4	10,547.5	10,103.6
Distribution Line Maintenance	O&M	-	-	-	-	-
Infrared Thermal Inspection Program	O&M	30.4	109.9	10.2	-	-
Stray Voltage Program	O&M	1,395.4	1,790.9	1,416.2	1,410.2	1,671.1
Total O&M		**9,104.9**	**10,064.1**	**12,456.9**	**13,827.2**	**13,784.0**
Capital Programs						
Midpoint Recloser/Sectionalizer Program	Capital	9,093.6	8,882.0	10,227.9	10,600.0	12,500.0
Underground Gasification/Rehab Program	Capital	-	-	465.5	711.7	277.5
Underground Rebuild Program	Capital	1,306.90	1,451.5	2,819.9	5,477.4	4,963.6
Total Capital		**10,400.5**	**10,333.5**	**13,513.3**	**16,789.1**	**17,741.1**

APPENDIX G

2025 Distribution Capital Investment

All Divisions

Project: 2025 Distribution Automation
Budget: $8,000,000
Actual: $15,500,000
Completion: December 2025

The NY Distribution Automation Program is a multi-year project focused on installing and upgrading field devices with command-and-control schemes, which will result in improved storm resiliency and system reliability. The installation philosophy uses a three-tiered approach:

- Circuit Optimization
  - Design an efficient system through the use of smart capacitors, phase balancing, and power quality monitoring (sensors).
- Field Automation
  - Automatic fault isolation via recloser auto loop schemes which automatically reduce customer outages.
- Centralized Automation Control
  - Monitoring and control from the Distribution Control Center (DCC)
  - Motor Operated Air Brakes (MOABs) strategically placed to provide 250 customer segmentation.
  - Advanced control systems will allow automatic system healing (ADMS).

In 2025, the Company took advantage of an opportunity to accelerate the installation of field devices on the system. As a result, 34 more MOABs were installed in 2025 than originally budgeted.

2025 Statistics:

Reclosers installed – 5
MOABs installed – 159
Smart CAPs – 4

Eastern Division

Project: Suffern – Rte. 202 Pt 1 – 45-5-13
Cost: $897k (WMS: 2103001315)
Completion: January 2025

Background:
This is a Storm Hardening project to replace existing open wire (336 AAC) primary with Hendrix Spacer construction (main line) on Haverstraw Road in Wesley Hills NY. This is the first of four projects that will be constructed along NYS Route 202 in Pomona between NYS Route 306 and Lake Road in Suffern (approximately six miles) and is served by New Hempstead Circuit 45-5-13 and Tallman Circuit 51-6-13. During storm events and blue-sky days, the existing overhead distribution is damaged by a heavy vegetation contact or motor vehicle accidents resulting in large scale outages (700 customers). Since Hurricane Sandy (YR2012) we have made significant improvements with distribution automation, circuit reliability projects (defective pole and cross arms replacements), and installation of multiple 600amp fuse by-pass disconnects in order to minimize interruptions to those customers when they occur, however due to the heavy vegetation (approximately 6 miles) exposure, interruptions still occur and require a lot of manpower to repair. Some events require pole replacements which require an extended outage to make repairs. As this is a major state road, there is heavy motor vehicle traffic that travel 40-50 MPH and is difficult to control traffic. NYS Route 202 has no road shoulder to get off the road and is difficult to make repairs. Each year, the Company responds to multiple outages along this distribution path between Pomona and Suffern and during most storm events. As a result of those events, Company crews are dispatched quickly to “re-open” the road to allow traffic to flow, as this is a major truck route to NYS Thruway in Suffern with few options to detour traffic, as this is a primary truck route to NYS Thruway.

Description:
The scope of this project requires replacement of 4,400 feet of existing 336 AAC three-phase distribution cross arm construction with higher capacity mainline spacer cable construction (477AAC) with installation of Class 2-50 ft poles. Using spacer cable design, the conductors will be able to withstand both tree and miscellaneous branch contacts, eliminate temporary faults, and provide enhance lightning protection (via shield wire). The project will enhance overall resiliency and will have a positive impact on the reliability for local customers. In addition to the reconductor project, the project supports enhance distribution automation with the installation of (3) three SCADA control MOABS.

Justification:
The completion of this project will improve overall reliability for New Hempstead circuit 45-5-13. The project will be critical during storm events as multiple paths of overhead distribution can be damaged at the time.

Alternatives:
Undergrounding the project was not considered as the area is predominantly an overhead distribution system.

Central Division

Project: Central Valley – Dunderberg Road Storm Hardening
Cost: $800k (WMS#: 2103001325)
Completion: May 2025

Background:

Circuit 71-3-13 out of the Harriman Substation serves about 2,400 customers in the Central Valley and Highland Mills area and typically runs at about 350 Amps (at peak). This circuit, which spans a length of over 7 miles, has experienced numerous outages throughout recent storms – and is consistently on the list of top five worst performing circuits list in the Central Division. Many of the outages on this circuit are attributed to tree contact and equipment failure (crossarm failure) located on the head-end of the circuit (approximately 1.5 miles from the station) which runs along Dunderberg Rd and Route 32. An Overhead Distribution project is already being constructed to address the known problems of heavy vegetation (Hendrix Conversion) on Route-32 – between Rose Lawn and Hunter Place. An additional Storm Hardening Project is needed to address similar problems on Dunderberg Rd.

This Storm Hardening project will address issues at the head end of 71-3-13 circuit (located on Dunderberg Rd.). Project scope will convert approximately 4,500 feet of open wire primary on Dunderberg Road to Hendrix Spacer Cable System to reduce the vegetation exposure and improve reliability. This project will also address aging poles and conductors along the way and allow for tree trimming in the area. Project will also require six pole poles to be relocated near the road, as some of the poles are located approximately 50 feet off road and are hard to reach during storm events.

After completion of both Storm Hardening projects, circuit reliability will be improved, and customers will experience less outages.

Description:

This Overhead distribution project is designed to improve reliability to the 71-3-13 circuit by reconductoring the existing mainline to a Hendrix Spacer Cable system. This project will start at pole 55435/48245 and continue along Dunderberg Road to junction pole 55809/48475. The scope of this project is to upgrade this circuit section by replacing the existing three-phase primary along Dunderberg Road with approximately 4,500 feet of three-phase, 13.2kV, (3) – 477 AAC Hendrix Spacer Cable along with (1) – 052 AWA messenger cable. A portion of the mainline will also be relocated closer to the road to further reduce exposure.

Justification:

With the completion of this project, overall reliability to circuit 71-3-13 that currently serves 2,400 customers, will be improved. This project will be critical during storm conditions as multiple paths of overhead system can be damaged at a time. With the completion of both projects (Rt 32 and Dunderberg Road) most of the problems on the distribution circuit will be resolved. Over the years, we have made several improvements to the feeder such as distribution automation, targeted vegetation management and danger tree removal, however, these two capital projects will have the greatest impact to the reliability of the circuit.

Alternatives Considered:
Armless construction versus Hendrix Spacer System was considered, but due to the vegetation exposure on this segment, Hendrix Spacer Cable was the preferred design. Underground construction was not considered as the area is predominantly overhead distribution.

Project: Blooming Grove – Merriewold – 61-10-13

Cost: $1.97m (WMS: 2210008809)

Completion: March 2025

Background:

Currently there are 397 customers served from a three-phase 1500 kVA step-down bank located on Captain Carpenter Drive that serves the entire development. At present, no fusing exists. After both projects are completed, the load will be split to reduce the number of customers served from one source and will be served directly off mainline distribution. Field load checks indicate peak load of the step bank is 90% of transformer nameplate rating, this project will provide the capacity needed for future load growth, converting the area to 13.2kV will allow a faster restoration and will reduce overall line and transformer losses. In the event of a step bank failure, the 397 residential customers would experience a longer duration interruption until final repairs are complete due to the lack of available backup capacity.

Description:

This is a primary voltage conversion (4.8kV/13.2kV) project in Blooming Grove, NY. The first part will convert Pine-Hill Road and a portion of Duelk Avenue. Upon completion, a second part will follow on Duelk Avenue to complete the overall final conversion to RT-208 and provide a tie for backup. In addition, there will be a 100% backup of the step bank that feeds Merriewold Lane on the opposite side of RT-208. The project requires the reconductor of existing open wire primary conductor with a new Hendrix (477) with 052 AWA spacer cable design to improve system resiliency and reliability on Mangin Road.

The project will address aging infrastructure, improve reliability, improve storm resiliency, reduce line losses, and improve voltage overall.

Justification:

This project will convert the area to 13.2kV and will reduce line losses and eliminate the possibility of a future step-bank failure that may lead to extended outage due to overloading. In addition, the step bank is operating at 90% of its name plate rating; eliminating the step bank will provide the capacity needed for future load growth. Upon completion of this project, the area will meet distribution design standards and provide 100% back up for the step bank that feeds Merriewold Lane.

Alternatives Considered:

Undergrounding the project was not considered as the area is predominantly an overhead distribution system.

Western Division

Project: Port Jervis - Canal and Broome Street – 6-7-13
Cost: $82k (WMS: 2210008808)
Completion: March 2025

Background:
This area in Port Jervis is less than a mile from the future Port Jervis substation and serves 70 customers at 4.16kV distribution voltage off a 500kVa step transformer bank. This area is fed from a side-spur that comes off of Main St., goes down Sussex St., and up through the back of a large shopping center on Pike St. with backyard-type construction. This current circuit path adds unnecessary exposure to these customers coupled with the added risk of a step-bank failure that could result in a prolonged outage to 70 customers. Re-routing the feed to this area and converting it to 13.2kV will reduce overall line and transformer losses, increase bank capacity for future vehicle and home electrification, and improve overall reliability.

Description:
This overhead distribution project is designed to re-conductor and convert an area extremely close to the new substation from 4.16kV to 13.2kV. This project will remove aging infrastructure (2 and #4 Cu), reduce the number of customers served through backyard-type construction, and overall improve reliability to the area of Port Jervis.

This project will start at Delaware St. at pole 40181/50237 and involves approximately 400 feet of re-conducting from #2 and #4 Cu primary to 4/0 AAC primary conductor along Delaware St. and West Broome St. New taps will be made on Delaware St. at pole 40181/50237 to energize the street directly from Main St.

Justification:
The purpose of this project is to convert an area of Port Jervis directly outside of the substation from 4.16kV to 13.2kV and improve reliability. This project will address aging infrastructure and will require the replacement of substandard poles. Existing primary will be replaced with larger and increased capacity ACSR 3/0 and any open wire secondary will be upgraded with 4/0 triplex.

Alternatives Considered:
Undergrounding the project was not considered as the area is predominantly an overhead distribution system.