

KENTUCKY PUBLIC SERVICE COMMISSION

Electric Distribution Utility Annual Reliability Report

SECTION 1: CONTACT INFORMATION

UTILITY NAME	Blue Grass Energy
REPORT PREPARED BY	Chris Brewer
E-MAIL ADDRESS OF PREPARER	chrisb@bgenergy.com
PHONE NUMBER OF PREPARER	859-885-2103

SECTION 2: REPORTING YEAR

CALENDAR YEAR OF REPORT	2024
-------------------------	------

SECTION 3: MAJOR EVENT DAYS (MED)

	T_{MED}	16.19
FIRST DATE USED TO DETERMINE T_{MED}		1/1/2019
LAST DATE USED TO DETERMINE T_{MED}		12/31/2023
NUMBER OF MED IN REPORT YEAR		4

NOTE: Per IEEE 1366 T_{MED} should be calculated using the daily SAIDI values for the five prior years. If five years of data are not available, then utilities should use what is available until five years are accumulated.

SECTION 4: SYSTEM RELIABILITY INFORMATION AND RESULTS

System-wide Information

TOTAL CUSTOMERS	<u>62549</u>	TOTAL CIRCUITS	<u>139</u>
-----------------	--------------	----------------	------------

Excluding MED

	5 YEAR AVERAGE		REPORTING YEAR
SAIDI	<u>168.37</u>	SAIDI	<u>182.17</u>
SAIFI	<u>1.33</u>	SAIFI	<u>1.52</u>

Including MED

	5 YEAR AVERAGE		REPORTING YEAR
SAIDI	<u>513.09</u>	SAIDI	<u>596.51</u>
SAIFI	<u>1.83</u>	SAIFI	<u>2.23</u>

Notes:

- 1) All duration indices (SAIDI) are to be reported in units of minutes.
- 2) Reports are due on the first business day of May of each year
- 3) Reports cover the calendar year ending in the December before the reports are due.
- 4) IEEE 1366 (latest version) is used to define SAIDI, SAIFI, and T_{MED}

KENTUCKY PUBLIC SERVICE COMMISSION

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1:

1. SUBSTATION NAME AND NUMBER
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
3. CIRCUIT NAME AND NUMBER
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
5. TOTAL CIRCUIT LENGTH (MILES)
6. CUSTOMER COUNT FOR THIS CIRCUIT
- 7.. DATE OF LAST CIRCUIT TRIM (VM)
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE N
NUMBERS REPRESENTED BY EACH CAUSE
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)
10. REPORTING YEAR (SAIDI)
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)
12. REPORTING YEAR (SAIFI)
13. CORRECTIVE ACTION PLAN

**REPEAT INFORMATION FOR EACH CIRCUIT EXCEEDING ITS 5 YEAR AVERAGE
FOR SAIDI AND/OR SAIFI**

KENTUCKY PUBLIC SERVICE COMMISSION

SECTION 6: VEGETATION MANAGEMENT PLAN REVIEW

INCLUDE CURRENT VEGETATION MANAGEMENT PLAN

Additional page may be attached as needed.

Vegetation Management Plan attached.

SECTION 7: UTILITY COMMENTS

41-124

Substation Name and Number 3M#2 41
 Substation Location Hwy 982, Cynthiana, KY 41031
 Circuit Name and Number 3M #2 124
 Circuit Location Industrial Park
 Total Circuit Length (Miles) 52.77
 2024 Member Count 411
 Date Of Last Trim 2018

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	91.58	0.58	140.86	1.12
Equipment Fault	4.35%	6.16%	11.20%	12.74%
Wind	30.80%	16.02%	24.44%	20.30%
Small Animal	3.69%	6.07%	0.00%	0.00%
Squirrel	1.25%	4.13%	2.75%	6.91%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	5.77%	6.83%	0.15%	0.22%
Deterioration	7.57%	6.16%	0.00%	0.00%
Scheduled	19.73%	25.13%	54.30%	45.36%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	1.49%	4.81%	1.34%	2.81%
Overload	1.84%	2.19%	0.00%	0.00%
Public Accident	0.95%	1.26%	0.00%	0.00%
Tree - ROW	0.03%	0.08%	0.00%	0.00%
Lightning	18.12%	10.54%	0.00%	0.00%
Tree - Non ROW	4.41%	10.62%	5.82%	11.66%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	0.00%	0.00%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Storm related and scheduled outages To be trimmed in 2025. No other corrections needed at this time.

41-144

Substation Name and Number 3M#2 41
 Substation Location Hwy 982, Cynthiana, KY 41031
 Circuit Name and Number 3M #2 144
 Circuit Location Battle Grove Cemetary Rd
 Total Circuit Length (Miles) 1.86
 2024 Member Count 9
 Date Of Last Trim 2022

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	2.13	0.03	10.67	0.17
Equipment Fault	0.00%	0.00%	0.00%	0.00%
Wind	0.00%	0.00%	0.00%	0.00%
Small Animal	0.00%	0.00%	0.00%	0.00%
Squirrel	0.00%	0.00%	0.00%	0.00%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	0.00%	0.00%	0.00%	0.00%
Deterioration	0.00%	0.00%	0.00%	0.00%
Scheduled	0.00%	0.00%	0.00%	0.00%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.00%	0.00%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	0.00%	0.00%	0.00%	0.00%
Tree - ROW	0.00%	0.00%	0.00%	0.00%
Lightning	100.00%	100.00%	100.00%	100.00%
Tree - Non ROW	0.00%	0.00%	0.00%	0.00%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	0.00%	0.00%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Storm related outages. No corrections needed at this time.

10-104

Substation Name and Number Alcan #1 10
 Substation Location Mayde Rd. Berea, KY 40444
 Circuit Name and Number Alcan #1 104
 Circuit Location Hyster
 Total Circuit Length (Miles) 1.55
 2024 Member Count 2
 Date Of Last Trim 2021

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	126.75	0.50	284.00	0.50
Equipment Fault	30.57%	25.00%	0.00%	0.00%
Wind	56.02%	25.00%	100.00%	100.00%
Small Animal	0.00%	0.00%	0.00%	0.00%
Squirrel	0.00%	0.00%	0.00%	0.00%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	0.00%	0.00%	0.00%	0.00%
Deterioration	0.00%	0.00%	0.00%	0.00%
Scheduled	0.00%	0.00%	0.00%	0.00%
Power Supplier	13.41%	50.00%	0.00%	0.00%
Bird	0.00%	0.00%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	0.00%	0.00%	0.00%	0.00%
Tree - ROW	0.00%	0.00%	0.00%	0.00%
Lightning	0.00%	0.00%	0.00%	0.00%
Tree - Non ROW	0.00%	0.00%	0.00%	0.00%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	0.00%	0.00%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Storm related outages. No corrections needed at this time.

31-114

Substation Name and Number Bracken County 31
 Substation Location 60 New Zion Rd, Foster, KY 41043
 Circuit Name and Number Bracken County 114
 Circuit Location Lennoxburg Foster Rd
 Total Circuit Length (Miles) 87.5
 2024 Member Count 687
 Date Of Last Trim 2020

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	217.26	1.16	231.12	0.99
Equipment Fault	7.83%	8.29%	8.28%	14.20%
Wind	19.69%	9.73%	39.75%	18.46%
Small Animal	14.50%	21.16%	0.16%	0.44%
Squirrel	1.26%	2.46%	4.14%	10.10%
Ice/Snow	5.24%	0.92%	0.00%	0.00%
Unknown Cause	2.99%	4.81%	9.40%	21.08%
Deterioration	3.06%	2.99%	0.00%	0.00%
Scheduled	2.77%	6.45%	3.06%	8.78%
Power Supplier	13.99%	17.57%	0.00%	0.00%
Bird	0.36%	1.07%	0.94%	4.10%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	5.71%	5.01%	9.44%	9.22%
Tree - ROW	3.01%	5.50%	0.00%	0.00%
Lightning	2.87%	2.30%	7.18%	3.66%
Tree - Non ROW	16.27%	11.15%	17.65%	9.96%
Large Animal	0.41%	0.54%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	0.04%	0.05%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Storm related outages. No corrections needed at this time.

31-124

Substation Name and Number Bracken County 31
 Substation Location 60 New Zion Rd, Foster, KY 41043
 Circuit Name and Number Bracken County 124
 Circuit Location Mary Ingles Hwy/Willow Neave Rd
 Total Circuit Length (Miles) 143.1
 2024 Member Count 1133
 Date Of Last Trim 2020

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	432.97	2.14	589.34	2.00
Equipment Fault	11.13%	14.27%	1.14%	2.86%
Wind	13.54%	10.21%	2.08%	2.42%
Small Animal	1.55%	2.89%	0.07%	0.22%
Squirrel	0.47%	0.98%	1.52%	4.67%
Ice/Snow	1.66%	1.27%	0.00%	0.00%
Unknown Cause	4.69%	7.19%	3.82%	8.86%
Deterioration	5.64%	4.37%	0.00%	0.00%
Scheduled	2.56%	3.78%	2.46%	4.94%
Power Supplier	7.06%	9.54%	0.00%	0.00%
Bird	0.02%	0.04%	0.06%	0.13%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	25.19%	15.25%	81.07%	54.26%
Tree - ROW	8.26%	8.39%	5.66%	17.81%
Lightning	6.85%	6.04%	0.51%	0.75%
Tree - Non ROW	10.90%	11.74%	1.23%	1.98%
Large Animal	0.12%	0.24%	0.38%	1.10%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	0.36%	3.80%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Public accident related outages. No corrections needed at this time.

21-214

Substation Name and Number Bridgeport 21
 Substation Location 310 Taylor Branch Rd, Frankfort, KY 40601
 Circuit Name and Number Bridgeport 214
 Circuit Location Hickory Ridge/Taylor Branch
 Total Circuit Length (Miles) 95.6
 2024 Member Count 1384
 Date Of Last Trim 2023

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	168.14	1.68	179.18	1.81
Equipment Fault	7.55%	7.56%	12.53%	10.51%
Wind	12.82%	7.25%	15.24%	5.46%
Small Animal	6.57%	8.17%	10.75%	12.78%
Squirrel	0.34%	0.48%	0.39%	0.56%
Ice/Snow	0.01%	0.01%	0.00%	0.00%
Unknown Cause	2.21%	3.19%	1.56%	2.99%
Deterioration	0.27%	0.32%	0.40%	0.48%
Scheduled	1.32%	2.89%	1.17%	1.15%
Power Supplier	10.63%	12.10%	49.11%	55.12%
Bird	0.03%	0.07%	0.13%	0.32%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	0.39%	0.77%	0.19%	0.12%
Tree - ROW	16.71%	19.42%	0.00%	0.00%
Lightning	5.91%	6.50%	2.29%	2.11%
Tree - Non ROW	34.03%	30.32%	6.24%	8.40%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	0.04%	0.07%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	1.17%	0.88%	0.00%	0.00%
Contractor	0.00%	0.00%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Power supplier related outages. No corrections needed at this time.

21-224

Substation Name and Number Bridgeport 21
 Substation Location 310 Taylor Branch Rd, Frankfort, KY 40601
 Circuit Name and Number Bridgeport 224
 Circuit Location Lebanon Rd/Dixie Hwy
 Total Circuit Length (Miles) 107.2
 2024 Member Count 941
 Date Of Last Trim 2019

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	261.01	1.7100	565.00	3.00
Equipment Fault	14.27%	9.86%	0.73%	0.92%
Wind	8.81%	5.73%	11.78%	3.25%
Small Animal	4.23%	11.20%	0.97%	13.30%
Squirrel	1.65%	4.06%	0.02%	0.07%
Ice/Snow	0.70%	0.64%	0.00%	0.00%
Unknown Cause	0.29%	0.53%	0.34%	0.67%
Deterioration	1.68%	1.71%	0.02%	0.07%
Scheduled	1.05%	2.38%	1.48%	1.13%
Power Supplier	8.68%	11.81%	19.89%	33.39%
Bird	0.00%	0.00%	0.00%	0.00%
Overload	0.02%	0.04%	0.04%	0.11%
Public Accident	0.38%	0.50%	0.00%	0.00%
Tree - ROW	5.62%	3.30%	1.93%	0.85%
Lightning	17.75%	23.49%	15.58%	23.20%
Tree - Non ROW	34.40%	24.06%	47.22%	23.04%
Large Animal	0.47%	0.69%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	0.00%	0.00%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Storm related and power supplier outages. To be trimmed in 2025. No other corrections needed at this time.

42-244

Substation Name and Number Bridgeport #2 42
Substation Location 310 Taylor Branch Rd, Frankfort, KY 40601
Circuit Name and Number Bridgeport #2 244
Circuit Location Evergreen Rd
Total Circuit Length (Miles) 41.3
2024 Member Count 1097
Date Of Last Trim 2024

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	242.70	2.27	487.10	3.30
Equipment Fault	17.21%	26.63%	3.55%	4.47%
Wind	30.47%	20.04%	63.14%	56.78%
Small Animal	8.76%	11.87%	14.85%	22.10%
Squirrel	0.38%	0.47%	0.01%	0.03%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	1.80%	2.13%	0.23%	0.36%
Deterioration	0.04%	0.07%	0.00%	0.00%
Scheduled	2.51%	4.97%	1.22%	4.28%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.02%	0.03%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	2.09%	0.92%	5.20%	3.15%
Tree - ROW	3.30%	2.85%	1.08%	0.69%
Lightning	5.20%	8.56%	1.31%	2.59%
Tree - Non ROW	27.89%	20.08%	9.41%	5.55%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	0.01%	0.02%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	0.32%	1.36%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Storm related outages. No corrections needed at this time.

26-134

Substation Name and Number Clay Lick 26
 Substation Location 5627 Louisville Rd, Salvisa, KY 40372
 Circuit Name and Number Clay Lick 134
 Circuit Location Lillards Ferry/Scotts Ferry
 Total Circuit Length (Miles) 55.38
 2024 Member Count 374
 Date Of Last Trim 2023

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	349.34	1.75	405.23	1.95
Equipment Fault	5.81%	12.52%	0.11%	0.41%
Wind	22.10%	21.58%	0.29%	0.15%
Small Animal	0.76%	2.61%	0.61%	2.47%
Squirrel	13.74%	13.99%	59.08%	62.41%
Ice/Snow	0.02%	0.09%	0.00%	0.00%
Unknown Cause	0.16%	0.34%	0.56%	1.23%
Deterioration	0.03%	0.15%	0.00%	0.00%
Scheduled	0.93%	3.38%	2.59%	7.00%
Power Supplier	3.80%	11.69%	0.00%	0.00%
Bird	0.03%	0.12%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	0.03%	0.03%	0.00%	0.00%
Tree - ROW	1.07%	1.50%	0.33%	0.41%
Lightning	1.53%	2.52%	0.65%	2.19%
Tree - Non ROW	49.94%	29.36%	35.78%	23.73%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	0.05%	0.12%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Animal and storm related outages. Animal guards to be installed in 2025.

26-144

Substation Name and Number Clay Lick 26
 Substation Location 5627 Louisville Rd, Salvisa, KY 40372
 Circuit Name and Number Clay Lick 144
 Circuit Location BondsMill
 Total Circuit Length (Miles) 68.78
 2024 Member Count 704
 Date Of Last Trim 2023

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	155.99	1.66	313.19	1.80
Equipment Fault	14.31%	16.77%	0.19%	0.47%
Wind	2.47%	0.78%	0.58%	1.02%
Small Animal	10.87%	16.90%	7.53%	12.53%
Squirrel	28.05%	14.34%	67.33%	61.94%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	3.38%	4.98%	1.52%	3.15%
Deterioration	2.02%	1.16%	3.39%	2.60%
Scheduled	5.29%	5.48%	7.27%	9.30%
Power Supplier	8.28%	12.12%	0.00%	0.00%
Bird	0.30%	0.25%	0.00%	0.00%
Overload	0.17%	0.48%	0.00%	0.00%
Public Accident	3.55%	11.85%	0.05%	0.32%
Tree - ROW	7.31%	4.37%	11.66%	7.41%
Lightning	5.51%	4.48%	0.48%	1.26%
Tree - Non ROW	8.48%	6.02%	0.00%	0.00%
Large Animal	0.01%	0.02%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	0.00%	0.00%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Animal and storm related outages. Animal guards to be installed in 2025.

32-124

Substation Name and Number Colemansville 32
 Substation Location Corner Of HWY 1032 & 1054, Berry, KY 41006
 Circuit Name and Number Colemansville 124
 Circuit Location Robinson
 Total Circuit Length (Miles) 75.4
 2024 Member Count 628
 Date Of Last Trim 2018

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	111.43	1.23	194.34	1.39
Equipment Fault	16.43%	9.41%	7.99%	6.18%
Wind	17.32%	7.61%	38.17%	24.15%
Small Animal	2.30%	4.03%	1.84%	4.00%
Squirrel	1.93%	2.29%	3.67%	6.86%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	8.47%	5.67%	0.05%	0.11%
Deterioration	2.99%	3.82%	1.13%	9.27%
Scheduled	2.07%	1.58%	1.98%	2.17%
Power Supplier	5.30%	32.12%	0.00%	0.00%
Bird	0.71%	1.24%	2.01%	5.38%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	6.82%	2.43%	18.26%	9.61%
Tree - ROW	5.88%	4.03%	13.99%	13.73%
Lightning	24.61%	20.25%	1.04%	2.06%
Tree - Non ROW	5.07%	5.49%	9.87%	16.48%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	0.10%	0.03%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Storm related outages. To be trimmed in 2025. No other corrections needed at this time.

32-134

Substation Name and Number Colemansville 32
 Substation Location Corner Of HWY 1032 & 1054, Berry, KY 41006
 Circuit Name and Number Colemansville 134
 Circuit Location Renaker
 Total Circuit Length (Miles) 83.35
 2024 Member Count 505
 Date Of Last Trim 2024

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	156.01	1.27	157.89	1.06
Equipment Fault	25.80%	15.96%	23.00%	25.51%
Wind	17.34%	6.31%	24.36%	13.41%
Small Animal	1.31%	2.13%	0.87%	2.23%
Squirrel	5.33%	2.42%	25.27%	12.85%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	0.31%	0.10%	0.00%	0.00%
Deterioration	0.14%	0.16%	0.00%	0.00%
Scheduled	12.85%	18.28%	1.28%	6.33%
Power Supplier	4.03%	31.98%	0.00%	0.00%
Bird	0.08%	0.13%	0.25%	0.56%
Overload	5.37%	2.83%	0.00%	0.00%
Public Accident	8.45%	8.01%	0.00%	0.00%
Tree - ROW	0.06%	0.06%	0.28%	0.37%
Lightning	1.29%	0.89%	1.13%	1.68%
Tree - Non ROW	15.47%	5.82%	13.36%	8.57%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	0.07%	0.06%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	2.10%	4.86%	10.20%	28.49%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Storm related outages. Equipment repaired at time of the outage. No other corrections needed at this time.

13-124

Substation Name and Number Crooksville 13
 Substation Location 765 Crooksville Rd, Richmond, KY 40475
 Circuit Name and Number Crooksville 124
 Circuit Location Ogg Ln
 Total Circuit Length (Miles) 59.18
 2024 Member Count 824
 Date Of Last Trim 2021

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	91.31	1.13	104.91	2.31
Equipment Fault	19.37%	20.96%	71.77%	46.40%
Wind	1.42%	1.03%	1.72%	0.89%
Small Animal	8.47%	9.76%	0.53%	0.53%
Squirrel	0.84%	1.05%	0.64%	0.42%
Ice/Snow	0.10%	0.05%	0.00%	0.00%
Unknown Cause	1.86%	2.10%	1.10%	0.63%
Deterioration	0.11%	0.05%	0.00%	0.00%
Scheduled	2.77%	3.03%	4.23%	4.20%
Power Supplier	19.97%	36.00%	4.84%	43.93%
Bird	0.04%	0.05%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	16.96%	8.01%	12.77%	1.63%
Tree - ROW	3.35%	2.77%	0.00%	0.00%
Lightning	6.89%	3.42%	0.00%	0.00%
Tree - Non ROW	17.24%	10.90%	2.40%	1.37%
Large Animal	0.02%	0.05%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.48%	0.58%	0.00%	0.00%
Contractor	0.11%	0.19%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Equipment repaired at time of the outage. No other corrections needed at this time.

13-144

Substation Name and Number Crooksville 13
 Substation Location 765 Crooksville Rd, Richmond, KY 40475
 Circuit Name and Number Crooksville 144
 Circuit Location Crooksville Rd
 Total Circuit Length (Miles) 16.62
 2024 Member Count 379
 Date Of Last Trim 2019

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	107.84	1.06	117.91	2.02
Equipment Fault	0.21%	0.15%	0.00%	0.00%
Wind	7.57%	6.28%	6.88%	5.75%
Small Animal	4.18%	6.17%	2.03%	0.92%
Squirrel	0.29%	0.70%	0.17%	0.26%
Ice/Snow	0.25%	0.10%	0.00%	0.00%
Unknown Cause	10.37%	8.88%	14.64%	12.03%
Deterioration	0.35%	0.55%	0.00%	0.00%
Scheduled	0.44%	0.35%	0.57%	0.26%
Power Supplier	17.37%	37.86%	4.25%	49.67%
Bird	0.08%	0.10%	0.10%	0.13%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	0.29%	0.15%	0.00%	0.00%
Tree - ROW	12.38%	7.72%	53.94%	18.30%
Lightning	19.30%	20.46%	1.77%	1.18%
Tree - Non ROW	26.92%	10.53%	15.65%	11.50%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	0.00%	0.00%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

To be trimmed in 2025.

Substation Name and Number Davis 4
 Substation Location 3876 Delong Rd, Lexington, KY 40515
 Circuit Name and Number Davis 124
 Circuit Location Delong Rd
 Total Circuit Length (Miles) 15.93
 2024 Member Count 161
 Date Of Last Trim 2024

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	160.16	1.45	200.87	2.20
Equipment Fault	24.71%	15.56%	17.35%	12.99%
Wind	10.97%	4.83%	25.70%	13.28%
Small Animal	12.51%	14.61%	1.48%	2.26%
Squirrel	0.00%	0.00%	0.00%	0.00%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	11.10%	14.95%	4.33%	3.95%
Deterioration	0.00%	0.00%	0.00%	0.00%
Scheduled	0.99%	1.73%	2.09%	1.98%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.07%	0.17%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	0.00%	0.00%	0.00%	0.00%
Tree - ROW	10.67%	13.92%	26.70%	32.49%
Lightning	5.97%	8.82%	9.32%	12.71%
Tree - Non ROW	23.01%	25.41%	13.03%	20.34%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	0.00%	0.00%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Storm related outages. Equipment repaired at time of the outage. No other corrections needed at this time.

Substation Name and Number Davis 4
 Substation Location 3876 Delong Rd, Lexington, KY 40515
 Circuit Name and Number Davis 134
 Circuit Location Newman Rd/Jacks Creek
 Total Circuit Length (Miles) 86.08
 2024 Member Count 509
 Date Of Last Trim 2024

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	230.86	0.91	578.98	0.70
Equipment Fault	12.16%	18.91%	13.20%	23.87%
Wind	49.03%	8.68%	34.79%	9.80%
Small Animal	1.81%	5.41%	0.90%	1.81%
Squirrel	1.23%	1.93%	5.36%	4.52%
Ice/Snow	0.13%	0.05%	0.00%	0.00%
Unknown Cause	1.72%	11.43%	3.45%	21.03%
Deterioration	1.46%	4.80%	0.00%	0.00%
Scheduled	1.97%	4.47%	0.98%	2.71%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.29%	1.18%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	1.13%	1.98%	0.00%	0.00%
Tree - ROW	11.87%	12.94%	13.65%	10.84%
Lightning	2.19%	3.67%	0.71%	1.42%
Tree - Non ROW	14.96%	24.41%	26.96%	24.00%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	0.05%	0.14%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Storm related outages. Equipment repaired at time of the outage. No other corrections needed at this time.

Substation Name and Number Davis 4
 Substation Location 3876 Delong Rd, Lexington, KY 40515
 Circuit Name and Number Davis 144
 Circuit Location Tates Creek Estates
 Total Circuit Length (Miles) 4.97
 2024 Member Count 305
 Date Of Last Trim 2020

Total Minutes/Frequency	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
	121.87	1.53	200.81	2.30
Equipment Fault	1.86%	1.33%	2.28%	0.57%
Wind	22.71%	15.19%	48.76%	24.57%
Small Animal	20.07%	20.39%	0.16%	0.14%
Squirrel	0.88%	0.77%	2.43%	2.29%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	12.47%	14.48%	7.29%	14.44%
Deterioration	1.29%	0.60%	0.00%	0.00%
Scheduled	1.35%	1.97%	2.29%	1.71%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.02%	0.04%	0.06%	0.14%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	9.55%	16.65%	0.00%	0.00%
Tree - ROW	11.80%	12.88%	22.35%	35.43%
Lightning	8.58%	7.85%	2.37%	4.71%
Tree - Non ROW	9.42%	7.85%	12.01%	16.00%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	0.00%	0.00%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

To be trimmed in 2025.

19-114

Substation Name and Number Duncannon Lane 19
 Substation Location Bill Robertson Way, Madison Co. 40475
 Circuit Name and Number Duncannon Lane 114
 Circuit Location Bill Robertson Way/ASAHI
 Total Circuit Length (Miles) 0.75
 2024 Member Count 2
 Date Of Last Trim 2021

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	1.67	0.33	5.00	1.00
Equipment Fault	0.00%	0.00%	0.00%	0.00%
Wind	0.00%	0.00%	0.00%	0.00%
Small Animal	0.00%	0.00%	0.00%	0.00%
Squirrel	0.00%	0.00%	0.00%	0.00%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	0.00%	0.00%	0.00%	0.00%
Deterioration	0.00%	0.00%	0.00%	0.00%
Scheduled	0.00%	0.00%	0.00%	0.00%
Power Supplier	100.00%	100.00%	100.00%	100.00%
Bird	0.00%	0.00%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	0.00%	0.00%	0.00%	0.00%
Tree - ROW	0.00%	0.00%	0.00%	0.00%
Lightning	0.00%	0.00%	0.00%	0.00%
Tree - Non ROW	0.00%	0.00%	0.00%	0.00%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	0.00%	0.00%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Power supplier outages. No corrections needed at this time.

19-134

Substation Name and Number Duncannon Lane 19
 Substation Location Bill Robertson Way, Madison Co. 40475
 Circuit Name and Number Duncannon Lane 134
 Circuit Location Duncannon Ln/Golden Leaf/Arbor Woods Way
 Total Circuit Length (Miles) 13.3
 2024 Member Count 193
 Date Of Last Trim 2021

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	73.76	1.29	97.62	2.41
Equipment Fault	11.20%	8.07%	18.18%	10.52%
Wind	0.00%	0.00%	0.00%	0.00%
Small Animal	33.83%	19.60%	0.00%	0.00%
Squirrel	0.30%	0.33%	0.15%	0.21%
Ice/Snow	46.07%	34.93%	74.83%	45.49%
Unknown Cause	0.18%	0.17%	0.00%	0.00%
Deterioration	0.00%	0.00%	0.00%	0.00%
Scheduled	2.56%	3.46%	0.53%	0.86%
Power Supplier	3.24%	32.62%	5.25%	42.49%
Bird	0.00%	0.00%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	0.65%	0.33%	1.06%	0.43%
Tree - ROW	0.00%	0.00%	0.00%	0.00%
Lightning	1.97%	0.49%	0.00%	0.00%
Tree - Non ROW	0.00%	0.00%	0.00%	0.00%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	0.00%	0.00%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Storm related outages. No corrections needed at this time.

Substation Name and Number Fayette1 5
 Substation Location 2442 Armstrong Mill Rd Lexington, KY 40515
 Circuit Name and Number Fayette1 104
 Circuit Location Squires Road
 Total Circuit Length (Miles) 15.08
 2024 Member Count 710
 Date Of Last Trim 2022

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	202.88	1.47	419.85	2.22
Equipment Fault	10.28%	7.01%	9.81%	10.68%
Wind	8.20%	5.33%	14.44%	3.70%
Small Animal	3.19%	5.60%	1.90%	3.62%
Squirrel	1.94%	4.10%	0.07%	0.25%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	2.21%	4.70%	3.08%	9.41%
Deterioration	0.00%	0.00%	0.00%	0.00%
Scheduled	6.03%	6.43%	11.49%	7.95%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	1.13%	2.24%	2.70%	7.37%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	0.41%	0.81%	0.00%	0.00%
Tree - ROW	2.33%	4.70%	2.03%	6.61%
Lightning	8.23%	9.28%	0.00%	0.00%
Tree - Non ROW	56.04%	49.78%	54.48%	50.41%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	0.01%	0.02%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Storm related outages. No corrections needed at this time.

6-104

Substation Name and Number Fayette2 6
 Substation Location 2442 Armstrong Mill Rd Lexington, KY 40515
 Circuit Name and Number Fayette2 104
 Circuit Location Squires Rd
 Total Circuit Length (Miles) 5.81
 2024 Member Count 469
 Date Of Last Trim 2020

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	46.01	0.29	176.33	1.03
Equipment Fault	19.87%	15.21%	0.00%	0.00%
Wind	3.96%	0.75%	5.16%	1.04%
Small Animal	72.95%	75.92%	93.40%	97.11%
Squirrel	0.24%	0.74%	0.31%	1.03%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	0.00%	0.00%	0.00%	0.00%
Deterioration	0.00%	0.00%	0.00%	0.00%
Scheduled	0.08%	1.18%	0.00%	0.00%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.00%	0.00%	0.00%	0.00%
Overload	2.04%	5.61%	0.00%	0.00%
Public Accident	0.00%	0.00%	0.00%	0.00%
Tree - ROW	0.86%	0.59%	1.13%	0.82%
Lightning	0.00%	0.00%	0.00%	0.00%
Tree - Non ROW	0.00%	0.00%	0.00%	0.00%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	0.00%	0.00%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Animal guards to be installed in 2025.

Substation Name and Number Fayette2 6
 Substation Location 2442 Armstrong Mill Rd Lexington, KY 40515
 Circuit Name and Number Fayette2 124
 Circuit Location Armstrong Mill
 Total Circuit Length (Miles) 6.73
 2024 Member Count 1080
 Date Of Last Trim 2020

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	27.82	0.33	97.86	1.25
Equipment Fault	16.26%	11.04%	0.00%	0.00%
Wind	0.10%	0.39%	0.13%	0.52%
Small Animal	1.97%	1.63%	1.97%	1.19%
Squirrel	8.28%	9.12%	11.53%	11.48%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	2.80%	3.04%	0.43%	0.96%
Deterioration	0.00%	0.00%	0.00%	0.00%
Scheduled	9.04%	9.46%	0.66%	0.74%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.12%	0.23%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	60.19%	64.70%	85.28%	85.11%
Tree - ROW	0.00%	0.00%	0.00%	0.00%
Lightning	0.00%	0.00%	0.00%	0.00%
Tree - Non ROW	1.24%	0.39%	0.00%	0.00%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	0.00%	0.00%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Public accident related outages. No corrections needed at this time.

Substation Name and Number Fayette2 6
 Substation Location 2442 Armstrong Mill Rd Lexington, KY 40515
 Circuit Name and Number Fayette2 144
 Circuit Location Winding Wood/Pleasant Grove
 Total Circuit Length (Miles) 3.19
 2024 Member Count 163
 Date Of Last Trim 2020

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	8.13	0.43	14.19	2.01
Equipment Fault	0.00%	0.00%	0.00%	0.00%
Wind	0.00%	0.00%	0.00%	0.00%
Small Animal	1.72%	0.57%	4.93%	0.61%
Squirrel	0.00%	0.00%	0.00%	0.00%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	0.00%	0.00%	0.00%	0.00%
Deterioration	0.00%	0.00%	0.00%	0.00%
Scheduled	33.19%	93.14%	95.07%	99.39%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.00%	0.00%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	0.00%	0.00%	0.00%	0.00%
Tree - ROW	65.09%	6.29%	0.00%	0.00%
Lightning	0.00%	0.00%	0.00%	0.00%
Tree - Non ROW	0.00%	0.00%	0.00%	0.00%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	0.00%	0.00%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Scheduled outages. No corrections needed at this time.

33-114

Substation Name and Number Four Oaks 33
 Substation Location 4255 HWY 27 South, Falmouth, KY 41040
 Circuit Name and Number Four Oaks 114
 Circuit Location Sunrise
 Total Circuit Length (Miles) 92.39
 2024 Member Count 995
 Date Of Last Trim 2022

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	122.53	1.01	161.56	1.31
Equipment Fault	13.14%	10.87%	24.81%	16.03%
Wind	10.44%	2.67%	5.33%	2.08%
Small Animal	6.74%	11.17%	7.20%	13.34%
Squirrel	1.38%	1.97%	2.73%	4.60%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	6.01%	7.68%	7.87%	14.03%
Deterioration	4.79%	2.85%	1.47%	2.68%
Scheduled	4.46%	6.46%	2.49%	3.53%
Power Supplier	4.26%	19.84%	0.00%	0.00%
Bird	3.23%	2.43%	11.98%	8.97%
Overload	0.55%	0.52%	1.98%	1.92%
Public Accident	6.16%	6.34%	3.46%	6.67%
Tree - ROW	12.48%	10.61%	18.43%	10.97%
Lightning	9.33%	9.61%	10.39%	11.96%
Tree - Non ROW	17.03%	6.98%	1.86%	3.22%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	0.00%	0.00%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Storm related outages. Equipment repaired at time of the outage. No other corrections needed at this time.

33-124

Substation Name and Number Four Oaks 33
Substation Location 4255 HWY 27 South, Falmouth, KY 41040
Circuit Name and Number Four Oaks 124
Circuit Location Hammer
Total Circuit Length (Miles) 141.2
2024 Member Count 795
Date Of Last Trim 2024

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	218.81	1.52	253.17	1.44
Equipment Fault	22.32%	17.82%	0.68%	1.48%
Wind	7.36%	3.78%	9.19%	12.81%
Small Animal	4.22%	6.62%	4.86%	5.85%
Squirrel	0.42%	0.67%	1.21%	1.66%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	5.27%	6.77%	1.75%	4.10%
Deterioration	9.02%	3.01%	0.00%	0.00%
Scheduled	10.62%	13.28%	8.36%	12.57%
Power Supplier	2.40%	13.23%	0.00%	0.00%
Bird	0.11%	0.23%	0.49%	1.22%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	16.93%	11.00%	71.77%	57.16%
Tree - ROW	1.50%	0.45%	0.04%	0.09%
Lightning	3.16%	2.37%	1.15%	2.27%
Tree - Non ROW	12.16%	7.21%	0.00%	0.00%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	4.51%	13.56%	0.50%	0.79%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Public accident related outages. No corrections needed at this time.

36-104

Substation Name and Number Headquarters 36
 Substation Location 2195 Saltwell Headquarters Rd, Carlisle, KY 40311
 Circuit Name and Number Headquarters 104
 Circuit Location US 68
 Total Circuit Length (Miles) 10.18
 2024 Member Count 71
 Date Of Last Trim 2022

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	65.26	0.56	74.07	0.61
Equipment Fault	19.64%	12.89%	7.87%	9.30%
Wind	28.99%	29.36%	81.12%	65.11%
Small Animal	2.44%	7.22%	3.31%	6.98%
Squirrel	1.83%	2.58%	0.78%	4.65%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	5.45%	7.22%	0.00%	0.00%
Deterioration	0.00%	0.00%	0.00%	0.00%
Scheduled	3.06%	4.64%	1.67%	4.65%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	9.14%	7.73%	1.45%	2.33%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	2.48%	1.55%	0.00%	0.00%
Tree - ROW	4.90%	7.22%	0.00%	0.00%
Lightning	20.43%	18.04%	0.57%	2.33%
Tree - Non ROW	0.89%	0.52%	0.00%	0.00%
Large Animal	0.75%	1.03%	3.23%	4.65%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	0.00%	0.00%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Storm related outages. No corrections needed at this time.

36-134

Substation Name and Number Headquarters 36
 Substation Location 2195 Saltwell Headquarters Rd, Carlisle, KY 40311
 Circuit Name and Number Headquarters 134
 Circuit Location Morning Glory
 Total Circuit Length (Miles) 64.59
 2024 Member Count 401
 Date Of Last Trim 2020

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	176.36	1.24	206.03	1.35
Equipment Fault	13.81%	11.49%	4.74%	4.07%
Wind	12.69%	18.95%	0.04%	0.18%
Small Animal	2.69%	4.97%	1.75%	3.70%
Squirrel	1.18%	2.13%	1.30%	2.96%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	1.10%	1.35%	0.00%	0.00%
Deterioration	0.34%	0.21%	0.00%	0.00%
Scheduled	1.48%	7.06%	0.84%	7.95%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.06%	0.33%	0.17%	0.74%
Overload	0.13%	0.21%	0.55%	0.92%
Public Accident	0.04%	0.04%	0.00%	0.00%
Tree - ROW	1.34%	1.52%	0.00%	0.00%
Lightning	10.75%	8.08%	8.67%	10.35%
Tree - Non ROW	54.39%	43.66%	81.94%	69.13%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	0.00%	0.00%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Storm related outages. No corrections needed at this time.

36-144

Substation Name and Number Headquarters 36
 Substation Location 2195 Saltwell Headquarters Rd, Carlisle, KY 40311
 Circuit Name and Number Headquarters 144
 Circuit Location Kentontown
 Total Circuit Length (Miles) 129.87
 2024 Member Count 744
 Date Of Last Trim 2019

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	492.64	2.64	619.94	2.21
Equipment Fault	25.11%	20.87%	17.25%	13.09%
Wind	37.25%	31.26%	69.28%	65.63%
Small Animal	1.39%	2.45%	0.16%	0.55%
Squirrel	0.60%	1.10%	1.92%	5.17%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	0.63%	1.19%	0.09%	0.30%
Deterioration	5.04%	2.64%	0.56%	0.30%
Scheduled	4.86%	13.69%	1.38%	4.74%
Power Supplier	0.00%	0.01%	0.00%	0.00%
Bird	1.30%	2.18%	0.00%	0.00%
Overload	0.01%	0.02%	0.03%	0.12%
Public Accident	7.07%	7.03%	6.10%	4.38%
Tree - ROW	6.58%	1.31%	0.60%	1.10%
Lightning	1.52%	2.46%	0.08%	0.18%
Tree - Non ROW	7.86%	11.58%	2.55%	4.44%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	0.78%	2.21%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Storm related outages. No corrections needed at this time.

Substation Name and Number Hickory Plains 9
 Substation Location 1075 Old US 25, Berea, KY 40403
 Circuit Name and Number Hickory Plains 134
 Circuit Location Red Lick
 Total Circuit Length (Miles) 77.67
 2024 Member Count 1166
 Date Of Last Trim 2019

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	143.89	1.25	304.00	2.36
Equipment Fault	6.49%	6.50%	0.26%	0.36%
Wind	25.92%	5.96%	59.44%	15.05%
Small Animal	8.61%	15.26%	3.74%	7.77%
Squirrel	1.16%	2.62%	1.48%	4.61%
Ice/Snow	2.10%	0.85%	0.00%	0.00%
Unknown Cause	4.64%	6.66%	1.93%	4.25%
Deterioration	0.36%	0.17%	0.02%	0.07%
Scheduled	1.12%	1.97%	0.77%	1.38%
Power Supplier	11.83%	32.06%	1.66%	42.68%
Bird	0.00%	0.00%	0.00%	0.00%
Overload	0.01%	0.03%	0.03%	0.07%
Public Accident	6.67%	6.55%	8.14%	4.32%
Tree - ROW	8.08%	5.63%	8.00%	5.74%
Lightning	3.84%	2.36%	0.34%	0.44%
Tree - Non ROW	19.09%	13.20%	14.04%	12.82%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	0.00%	0.00%	0.00%	0.00%
Flash Flood	0.08%	0.18%	0.15%	0.44%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

To be trimmed in 2025.

39-104

Substation Name and Number Jacksonville 39
 Substation Location 1386 Russell Cave Rd, Cynthiana, KY 41031
 Circuit Name and Number Jacksonville 104
 Circuit Location KY HWY 353
 Total Circuit Length (Miles) 26.53
 2024 Member Count 159
 Date Of Last Trim 2021

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	126.92	0.94	127.65	1.57
Equipment Fault	0.15%	0.14%	0.00%	0.00%
Wind	26.17%	11.45%	9.87%	10.85%
Small Animal	0.08%	0.14%	0.00%	0.00%
Squirrel	0.43%	1.09%	1.86%	2.81%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	8.87%	14.73%	10.24%	8.43%
Deterioration	0.00%	0.00%	0.00%	0.00%
Scheduled	6.54%	9.55%	25.39%	26.10%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	8.56%	8.87%	6.27%	8.84%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	16.37%	27.29%	44.72%	40.96%
Tree - ROW	0.04%	0.14%	0.00%	0.00%
Lightning	20.32%	17.46%	1.65%	2.01%
Tree - Non ROW	12.47%	9.14%	0.00%	0.00%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	0.00%	0.00%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Public accident and scheduled outages. No corrections needed at this time.

39-124

Substation Name and Number Jacksonville 39
 Substation Location 1386 Russell Cave Rd, Cynthiana, KY 41031
 Circuit Name and Number Jacksonville 124
 Circuit Location Silas
 Total Circuit Length (Miles) 27.1
 2024 Member Count 216
 Date Of Last Trim 2019

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	174.26	1.46	355.26	3.57
Equipment Fault	2.32%	2.29%	0.53%	0.52%
Wind	12.38%	4.95%	0.00%	0.00%
Small Animal	1.89%	2.54%	1.45%	2.20%
Squirrel	2.05%	3.56%	3.94%	5.83%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	7.55%	6.23%	0.00%	0.00%
Deterioration	13.19%	3.12%	0.00%	0.00%
Scheduled	9.52%	16.02%	21.06%	30.44%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	1.33%	1.97%	3.06%	3.76%
Overload	0.09%	0.13%	0.21%	0.26%
Public Accident	0.06%	0.32%	0.00%	0.00%
Tree - ROW	26.77%	22.12%	58.97%	38.21%
Lightning	15.97%	24.22%	0.64%	0.39%
Tree - Non ROW	6.32%	11.89%	10.14%	18.39%
Large Animal	0.56%	0.64%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	0.00%	0.00%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

To be trimmed in 2025.

34-114

Substation Name and Number Lees Lick 34
 Substation Location Hwy 1842, Cynthiana, KY 41031
 Circuit Name and Number Lees Lick 114
 Circuit Location Davis
 Total Circuit Length (Miles) 20.69
 2024 Member Count 217
 Date Of Last Trim 2021

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	131.40	1.25	171.93	1.10
Equipment Fault	23.14%	13.19%	96.27%	91.63%
Wind	8.00%	2.15%	0.00%	0.00%
Small Animal	3.69%	4.45%	1.20%	2.93%
Squirrel	9.46%	23.79%	0.40%	1.25%
Ice/Snow	5.01%	2.59%	0.00%	0.00%
Unknown Cause	6.66%	7.56%	0.00%	0.00%
Deterioration	7.77%	3.04%	0.00%	0.00%
Scheduled	3.75%	3.94%	1.30%	2.93%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.16%	0.21%	0.41%	0.84%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	2.62%	1.86%	0.00%	0.00%
Tree - ROW	10.95%	5.25%	0.00%	0.00%
Lightning	10.73%	6.18%	0.42%	0.42%
Tree - Non ROW	5.44%	3.18%	0.00%	0.00%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.03%	0.03%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	2.59%	22.58%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Equipment repaired at time of the outage. No other corrections needed at this time.

34-124

Substation Name and Number Lees Lick 34
 Substation Location Hwy 1842, Cynthiana, KY 41031
 Circuit Name and Number Lees Lick 124
 Circuit Location Hicks/Muddy Ford
 Total Circuit Length (Miles) 65.85
 2024 Member Count 516
 Date Of Last Trim 2022

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	205.72	1.95	302.39	4.07
Equipment Fault	11.92%	16.06%	20.05%	28.92%
Wind	11.17%	6.45%	14.92%	8.53%
Small Animal	6.35%	6.76%	8.00%	7.91%
Squirrel	0.68%	1.11%	1.03%	1.33%
Ice/Snow	0.44%	0.42%	0.00%	0.00%
Unknown Cause	10.55%	13.29%	2.44%	2.38%
Deterioration	14.47%	21.19%	4.59%	1.81%
Scheduled	7.58%	15.58%	17.50%	31.06%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.08%	0.13%	0.09%	0.10%
Overload	1.82%	5.01%	5.84%	11.43%
Public Accident	4.19%	1.29%	13.29%	2.86%
Tree - ROW	1.97%	0.92%	5.98%	1.76%
Lightning	1.58%	1.19%	0.00%	0.00%
Tree - Non ROW	26.18%	9.91%	6.27%	1.91%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.01%	0.02%	0.00%	0.00%
Sag/Clearance	1.01%	0.67%	0.00%	0.00%
Contractor	0.00%	0.00%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Storm related outages. Equipment repaired at time of the outage. No other corrections needed at this time.

34-164

Substation Name and Number Lees Lick 34
 Substation Location HWY 1842, Cynthiana, KY 41031
 Circuit Name and Number Lees Lick 164
 Circuit Location Hinton Sadieville Rd
 Total Circuit Length (Miles) 100.75
 2024 Member Count 668
 Date Of Last Trim 2021

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	285.69	1.96	319.00	2.31
Equipment Fault	1.18%	1.18%	2.09%	2.27%
Wind	25.37%	18.61%	40.24%	33.95%
Small Animal	1.44%	2.23%	3.75%	5.45%
Squirrel	3.35%	2.44%	1.02%	1.49%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	13.24%	20.91%	0.17%	0.39%
Deterioration	0.15%	0.26%	0.05%	0.13%
Scheduled	9.82%	12.43%	0.54%	1.56%
Power Supplier	0.02%	0.05%	0.00%	0.00%
Bird	0.04%	0.10%	0.08%	0.19%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	3.83%	3.80%	5.97%	6.42%
Tree - ROW	0.08%	0.13%	0.20%	0.32%
Lightning	16.15%	10.53%	0.57%	1.04%
Tree - Non ROW	23.99%	22.81%	45.32%	46.79%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	1.34%	4.52%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Storm related outages. No corrections needed at this time.

25-104

Substation Name and Number Mercer Co. 25
 Substation Location Industry Rd, Harrodsburg, KY 40330
 Circuit Name and Number Mercer Co. 104
 Circuit Location Mercer County Schools
 Total Circuit Length (Miles) 2.19
 2024 Member Count 21
 Date Of Last Trim 2022

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	54.38	0.65	103.71	0.86
Equipment Fault	27.01%	13.64%	69.01%	50.00%
Wind	0.00%	0.00%	0.00%	0.00%
Small Animal	47.34%	57.58%	30.99%	50.00%
Squirrel	8.41%	13.62%	0.00%	0.00%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	0.00%	0.00%	0.00%	0.00%
Deterioration	0.00%	0.00%	0.00%	0.00%
Scheduled	0.74%	1.52%	0.00%	0.00%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.00%	0.00%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	0.00%	0.00%	0.00%	0.00%
Tree - ROW	0.00%	0.00%	0.00%	0.00%
Lightning	16.50%	13.64%	0.00%	0.00%
Tree - Non ROW	0.00%	0.00%	0.00%	0.00%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	0.00%	0.00%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Animal related outages. Equipment repaired at time of the outage. Animal guards to be installed in 2025.

38-104

Substation Name and Number Millersburg 38
 Substation Location 1024 Miller Station Rd, Carlisle, KY 40311
 Circuit Name and Number Millersburg 104
 Circuit Location Little Rock
 Total Circuit Length (Miles) 93.72
 2024 Member Count 376
 Date Of Last Trim 2020

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	222.57	1.37	289.54	1.83
Equipment Fault	2.40%	3.48%	5.02%	7.27%
Wind	25.92%	16.08%	2.81%	0.27%
Small Animal	2.93%	5.56%	0.29%	0.87%
Squirrel	0.27%	0.55%	0.33%	0.73%
Ice/Snow	2.96%	2.12%	9.82%	6.40%
Unknown Cause	8.35%	8.64%	0.50%	0.29%
Deterioration	8.93%	8.42%	0.00%	0.00%
Scheduled	5.08%	12.15%	13.51%	27.47%
Power Supplier	14.77%	15.11%	0.00%	0.00%
Bird	0.14%	0.26%	0.39%	0.73%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	0.48%	0.99%	0.00%	0.00%
Tree - ROW	16.49%	10.03%	54.73%	27.62%
Lightning	2.44%	2.49%	5.03%	5.38%
Tree - Non ROW	3.86%	1.83%	0.00%	0.00%
Large Animal	3.14%	6.55%	0.07%	0.15%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	1.84%	5.74%	7.50%	22.82%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Storm related and scheduled outages. No corrections needed at this time.

7-114

Substation Name and Number Newby 7
 Substation Location 247 Maple Grove Rd, Richmond, KY 40475
 Circuit Name and Number Newby 114
 Circuit Location Baldwin
 Total Circuit Length (Miles) 21.58
 2024 Member Count 141
 Date Of Last Trim 2024

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	239.28	1.46	321.72	1.61
Equipment Fault	0.43%	0.40%	0.32%	0.44%
Wind	9.29%	12.08%	4.85%	10.56%
Small Animal	5.34%	9.18%	4.42%	7.05%
Squirrel	22.41%	14.27%	81.02%	63.00%
Ice/Snow	0.08%	0.30%	0.00%	0.00%
Unknown Cause	13.61%	30.44%	2.37%	4.41%
Deterioration	0.70%	1.20%	0.00%	0.00%
Scheduled	3.23%	8.58%	0.18%	0.88%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.22%	0.40%	0.20%	0.44%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	4.93%	3.29%	0.00%	0.00%
Tree - ROW	2.01%	2.50%	2.41%	5.73%
Lightning	2.09%	4.19%	0.00%	0.00%
Tree - Non ROW	35.51%	12.97%	4.23%	7.49%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.15%	0.20%	0.00%	0.00%
Contractor	0.00%	0.00%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Animal guards to be installed in 2025.

7-124

Substation Name and Number Newby 7
 Substation Location 247 Maple Grove Rd, Richmond, KY 40475
 Circuit Name and Number Newby 124
 Circuit Location Shallow Ford
 Total Circuit Length (Miles) 15.01
 2024 Member Count 152
 Date Of Last Trim 2024

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	273.21	1.61	488.30	2.81
Equipment Fault	47.16%	35.12%	0.00%	0.00%
Wind	0.00%	0.00%	0.00%	0.00%
Small Animal	3.64%	9.16%	3.79%	9.84%
Squirrel	1.59%	4.37%	2.23%	6.09%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	2.49%	5.60%	2.98%	6.79%
Deterioration	4.05%	3.49%	0.00%	0.00%
Scheduled	1.68%	4.79%	1.08%	1.41%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.00%	0.00%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	26.34%	13.06%	73.96%	37.23%
Tree - ROW	0.90%	2.35%	0.00%	0.00%
Lightning	0.77%	1.78%	0.00%	0.00%
Tree - Non ROW	11.24%	19.71%	15.55%	37.00%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	0.00%	0.00%	0.00%	0.00%
Flash Flood	0.14%	0.57%	0.41%	1.64%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Equipment repaired at time of outage. Public accident outages. No corrections needed at this time.

Substation Name and Number Newby 7
 Substation Location 247 Maple Grove Rd, Richmond, KY 40475
 Circuit Name and Number Newby 154
 Circuit Location Jiggwater
 Total Circuit Length (Miles) 32.72
 2024 Member Count 238
 Date Of Last Trim 2022

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	216.07	1.38	504.21	3.58
Equipment Fault	15.52%	16.58%	30.30%	29.07%
Wind	0.87%	0.70%	0.00%	0.00%
Small Animal	2.83%	5.38%	1.54%	3.52%
Squirrel	9.53%	18.77%	19.79%	35.17%
Ice/Snow	0.88%	1.88%	0.00%	0.00%
Unknown Cause	1.86%	3.69%	0.45%	1.41%
Deterioration	0.06%	0.13%	0.00%	0.00%
Scheduled	0.86%	1.31%	0.31%	0.47%
Power Supplier	22.15%	14.27%	0.00%	0.00%
Bird	0.00%	0.00%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	23.57%	17.52%	44.50%	28.72%
Tree - ROW	9.72%	10.58%	0.00%	0.00%
Lightning	5.73%	5.88%	0.00%	0.00%
Tree - Non ROW	6.39%	3.25%	3.05%	1.52%
Large Animal	0.03%	0.06%	0.06%	0.12%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	0.00%	0.00%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Public accident and animal related outages. Animal guards to be installed in 2025.

1-104

Substation Name and Number Nicholasville 1
 Substation Location 1049 Bethany Rd, Nicholasville, KY 40356
 Circuit Name and Number Nicholasville 104
 Circuit Location Brittany Heights
 Total Circuit Length (Miles) 9.5
 2024 Member Count 535
 Date Of Last Trim 2024

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	61.05	0.59	122.59	0.68
Equipment Fault	10.64%	23.82%	0.00%	0.00%
Wind	0.00%	0.00%	0.00%	0.00%
Small Animal	2.34%	2.99%	0.33%	1.10%
Squirrel	0.06%	0.12%	0.00%	0.00%
Ice/Snow	0.07%	0.06%	0.00%	0.00%
Unknown Cause	2.01%	2.44%	0.00%	0.00%
Deterioration	0.27%	0.31%	0.00%	0.00%
Scheduled	41.80%	25.75%	98.97%	96.98%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.00%	0.00%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	0.62%	1.37%	0.00%	0.00%
Tree - ROW	16.88%	15.71%	0.00%	0.00%
Lightning	13.41%	14.90%	0.70%	1.92%
Tree - Non ROW	11.90%	12.53%	0.00%	0.00%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	0.00%	0.00%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Scheduled outages. No corrections needed at this time.

Substation Name and Number Nicholasville 1
 Substation Location 1049 Bethany Rd, Nicholasville, KY 40356
 Circuit Name and Number Nicholasville 124
 Circuit Location Spears
 Total Circuit Length (Miles) 47.3
 2024 Member Count 561
 Date Of Last Trim 2024

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	222.12	1.84	269.08	2.88
Equipment Fault	3.91%	9.10%	3.16%	12.39%
Wind	2.82%	1.86%	8.82%	2.16%
Small Animal	6.11%	10.34%	2.22%	4.28%
Squirrel	0.13%	0.17%	0.00%	0.00%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	8.73%	13.61%	9.83%	15.49%
Deterioration	0.72%	1.35%	0.00%	0.00%
Scheduled	6.47%	8.39%	6.10%	10.53%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	3.12%	12.33%	11.56%	38.17%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	15.94%	6.69%	56.37%	15.74%
Tree - ROW	4.78%	4.54%	1.20%	0.87%
Lightning	3.31%	2.57%	0.00%	0.00%
Tree - Non ROW	43.96%	29.05%	0.74%	0.37%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	0.00%	0.00%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Public accident outages. No corrections needed at this time.

1-134

Substation Name and Number Nicholasville 1
 Substation Location 1049 Bethany Rd, Nicholasville, KY 40356
 Circuit Name and Number Nicholasville 134
 Circuit Location Bethany Rd
 Total Circuit Length (Miles) 11.59
 2024 Member Count 341
 Date Of Last Trim 2019

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	155.29	0.84	339.80	1.87
Equipment Fault	3.23%	4.83%	0.54%	0.78%
Wind	11.27%	2.97%	0.03%	0.16%
Small Animal	2.97%	7.70%	0.77%	2.50%
Squirrel	0.65%	2.26%	0.96%	3.13%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	2.80%	4.31%	0.96%	2.82%
Deterioration	0.00%	0.00%	0.00%	0.00%
Scheduled	3.25%	6.67%	5.05%	10.17%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.20%	0.82%	0.12%	0.47%
Overload	3.94%	7.19%	6.13%	10.95%
Public Accident	13.04%	14.58%	0.00%	0.00%
Tree - ROW	1.70%	6.47%	2.58%	9.55%
Lightning	2.52%	3.90%	3.86%	5.79%
Tree - Non ROW	54.43%	38.30%	79.00%	53.68%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	0.00%	0.00%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

To be trimmed in 2025.

22-124

Substation Name and Number Ninevah 22
 Substation Location 1746 Clifton Rd, Lawrenceburg, KY 40342
 Circuit Name and Number Ninevah 124
 Circuit Location Walker Ln
 Total Circuit Length (Miles) 13.49
 2024 Member Count 131
 Date Of Last Trim 2018

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	13.04	0.15	31.92	0.30
Equipment Fault	40.56%	22.92%	77.24%	51.28%
Wind	2.22%	1.03%	0.00%	0.00%
Small Animal	12.31%	22.92%	10.71%	20.51%
Squirrel	3.10%	6.25%	5.26%	12.83%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	2.59%	4.17%	4.04%	7.69%
Deterioration	1.14%	3.13%	0.00%	0.00%
Scheduled	10.99%	19.79%	2.75%	7.69%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	6.96%	7.29%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	7.09%	4.17%	0.00%	0.00%
Tree - ROW	13.04%	8.33%	0.00%	0.00%
Lightning	0.00%	0.00%	0.00%	0.00%
Tree - Non ROW	0.00%	0.00%	0.00%	0.00%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	0.00%	0.00%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Equipment repaired at time of the outage. No other corrections needed at this time.

22-134

Substation Name and Number Ninevah 22
 Substation Location 1746 Clifton Rd, Lawrenceburg, KY 40342
 Circuit Name and Number Ninevah 134
 Circuit Location Lanes Mill/Dove Creek
 Total Circuit Length (Miles) 60.7
 2024 Member Count 1005
 Date Of Last Trim 2023

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	161.78	1.56	239.13	1.59
Equipment Fault	38.02%	37.01%	70.81%	67.52%
Wind	11.26%	6.75%	6.52%	5.32%
Small Animal	5.48%	9.72%	3.37%	8.00%
Squirrel	0.11%	0.40%	0.25%	0.62%
Ice/Snow	0.59%	1.95%	0.00%	0.00%
Unknown Cause	7.08%	8.31%	0.20%	0.37%
Deterioration	0.12%	0.14%	0.07%	0.06%
Scheduled	3.57%	4.05%	2.65%	2.00%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.00%	0.00%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	0.45%	0.75%	0.08%	0.06%
Tree - ROW	10.35%	8.87%	9.11%	8.99%
Lightning	4.13%	4.03%	1.80%	2.12%
Tree - Non ROW	17.83%	17.27%	1.80%	1.50%
Large Animal	0.00%	0.01%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	1.00%	0.71%	3.34%	3.44%
Contractor	0.01%	0.03%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Equipment repaired at time of the outage. No other corrections needed at this time.

15-114

Substation Name and Number North Madison 15
 Substation Location 2064 Jacks Creek Pike, Richmond, KY 40475
 Circuit Name and Number North Madison 114
 Circuit Location Boones Trace
 Total Circuit Length (Miles) 30.88
 2024 Member Count 572
 Date Of Last Trim 2023

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	286.48	2.11	322.88	3.36
Equipment Fault	4.65%	13.31%	0.23%	0.21%
Wind	17.95%	28.75%	48.80%	64.19%
Small Animal	0.53%	1.38%	0.06%	0.10%
Squirrel	0.15%	0.37%	0.31%	0.52%
Ice/Snow	0.80%	7.20%	0.00%	0.00%
Unknown Cause	0.79%	1.06%	0.37%	0.36%
Deterioration	0.01%	0.02%	0.04%	0.05%
Scheduled	1.34%	1.67%	4.21%	1.46%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.08%	0.19%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	0.07%	0.05%	0.00%	0.00%
Tree - ROW	0.62%	0.73%	0.13%	0.16%
Lightning	11.31%	9.65%	0.00%	0.00%
Tree - Non ROW	61.70%	35.62%	45.85%	32.95%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	0.00%	0.00%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Storm related outages. No corrections needed at this time.

40-104

Substation Name and Number Oxford 40
 Substation Location 3466 Cynthiana Rd, Georgetown, KY 40324
 Circuit Name and Number Oxford 104
 Circuit Location Carrick Pike
 Total Circuit Length (Miles) 41.57
 2024 Member Count 382
 Date Of Last Trim 2019

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	152.77	1.38	180.27	3.56
Equipment Fault	2.90%	2.07%	0.49%	0.07%
Wind	42.77%	6.43%	25.38%	2.20%
Small Animal	10.85%	15.94%	41.69%	28.51%
Squirrel	6.75%	5.99%	0.18%	0.15%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	8.45%	6.64%	0.00%	0.00%
Deterioration	0.21%	0.27%	0.00%	0.00%
Scheduled	14.28%	43.78%	30.43%	68.04%
Power Supplier	9.04%	14.17%	0.00%	0.00%
Bird	0.24%	0.35%	0.36%	0.37%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	1.07%	0.73%	0.00%	0.00%
Tree - ROW	0.71%	1.37%	0.00%	0.00%
Lightning	2.36%	2.11%	1.26%	0.51%
Tree - Non ROW	0.37%	0.15%	0.21%	0.15%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	0.00%	0.00%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Animal guards to be installed in 2025. To be trimmed in 2025.

28-114

Substation Name and Number Powell Taylor 28
 Substation Location 1024 Powell Taylor Rd, Lawrenceburg, KY 40342
 Circuit Name and Number Powell Taylor 114
 Circuit Location Birdie Rd
 Total Circuit Length (Miles) 59
 2024 Member Count 354
 Date Of Last Trim 2023

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	466.03	2.69	516.68	4.07
Equipment Fault	3.74%	5.60%	1.25%	1.32%
Wind	14.63%	12.41%	48.35%	28.75%
Small Animal	3.31%	6.98%	2.31%	3.96%
Squirrel	0.39%	1.20%	1.61%	3.68%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	0.49%	1.08%	1.79%	2.36%
Deterioration	1.05%	1.16%	0.00%	0.00%
Scheduled	6.99%	17.50%	21.52%	31.25%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.00%	0.00%	0.00%	0.00%
Overload	0.14%	0.14%	0.00%	0.00%
Public Accident	5.15%	5.32%	0.08%	0.07%
Tree - ROW	4.55%	6.60%	7.94%	9.51%
Lightning	7.59%	10.12%	10.32%	15.42%
Tree - Non ROW	51.95%	31.83%	4.83%	3.68%
Large Animal	0.01%	0.04%	0.00%	0.00%
Fire	0.01%	0.02%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	0.00%	0.00%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Storm related and scheduled outages. No corrections needed at this time.

28-124

Substation Name and Number Powell Taylor 28
Substation Location 1024 Powell Taylor Rd, Lawrenceburg, KY 40342
Circuit Name and Number Powell Taylor 124
Circuit Location Puckett Rd
Total Circuit Length (Miles) 44.7
2024 Member Count 429
Date Of Last Trim 2024

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	77.48	1.03	87.71	1.03
Equipment Fault	24.36%	22.52%	44.20%	45.50%
Wind	9.56%	9.27%	0.10%	0.21%
Small Animal	3.64%	7.46%	2.12%	3.60%
Squirrel	1.29%	2.51%	0.00%	0.00%
Ice/Snow	0.01%	0.07%	0.00%	0.00%
Unknown Cause	0.21%	0.42%	0.85%	1.35%
Deterioration	0.27%	0.21%	0.00%	0.00%
Scheduled	15.80%	19.87%	44.83%	39.64%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.53%	0.56%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	0.10%	0.07%	0.00%	0.00%
Tree - ROW	12.03%	10.67%	0.41%	0.68%
Lightning	3.38%	3.77%	7.00%	8.56%
Tree - Non ROW	28.48%	19.18%	0.40%	0.23%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.02%	0.07%	0.09%	0.23%
Contractor	0.32%	3.35%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Equipment repaired at time of the outage. Scheduled outages. No other corrections needed at this time.

28-144

Substation Name and Number Powell Taylor 28
 Substation Location 1024 Powell Taylor Rd, Lawrenceburg, KY 40342
 Circuit Name and Number Powell Taylor 144
 Circuit Location Powell Taylor/Glenview
 Total Circuit Length (Miles) 9.36
 2024 Member Count 184
 Date Of Last Trim 2024

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	50.12	1.07	65.43	1.72
Equipment Fault	4.09%	2.72%	0.55%	0.32%
Wind	7.12%	3.02%	5.28%	0.94%
Small Animal	17.95%	14.58%	38.74%	26.90%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Squirrel	0.10%	0.20%	0.40%	0.63%
Unknown Cause	0.00%	0.00%	0.00%	0.00%
Deterioration	0.00%	0.00%	0.00%	0.00%
Scheduled	7.68%	1.51%	29.62%	4.75%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.00%	0.00%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	0.24%	0.10%	0.94%	0.32%
Tree - ROW	16.25%	11.57%	0.00%	0.00%
Lightning	37.38%	24.95%	8.26%	1.27%
Tree - Non ROW	9.19%	41.35%	16.21%	64.87%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	0.00%	0.00%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Scheduled outages. Animal related outages. Animal guards to be installed in 2025.

23-114

Substation Name and Number Sinai 23
 Substation Location HWY 62, Lawrenceburg, KY 40342
 Circuit Name and Number Sinai 114
 Circuit Location Buntain School Rd/Birdie
 Total Circuit Length (Miles) 28.1
 2024 Member Count 218
 Date Of Last Trim 2024

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	66.45	0.91	110.15	1.67
Equipment Fault	7.84%	4.27%	9.85%	5.51%
Wind	9.89%	5.40%	16.00%	12.38%
Small Animal	22.73%	27.13%	10.23%	11.85%
Squirrel	3.37%	4.57%	4.19%	5.51%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	0.00%	0.00%	0.00%	0.00%
Deterioration	1.66%	1.93%	4.34%	4.41%
Scheduled	15.80%	21.44%	30.16%	41.60%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	1.42%	2.03%	4.23%	5.51%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	1.35%	0.81%	0.30%	0.28%
Tree - ROW	2.96%	2.13%	8.81%	5.79%
Lightning	12.41%	5.59%	11.89%	7.16%
Tree - Non ROW	20.57%	24.70%	0.00%	0.00%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	0.00%	0.00%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Scheduled outages. Circuit trimmed in Q4 2024.

23-134

Substation Name and Number Sinai 23
 Substation Location HWY 62, Lawrenceburg, KY 40342
 Circuit Name and Number Sinai 134
 Circuit Location West Anderson/Skillet
 Total Circuit Length (Miles) 48.8
 2024 Member Count 379
 Date Of Last Trim 2019

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	195.99	1.81	258.66	3.13
Equipment Fault	9.34%	8.36%	0.00%	0.00%
Wind	4.27%	0.76%	0.85%	0.85%
Small Animal	21.07%	19.56%	11.46%	12.90%
Squirrel	12.66%	11.78%	46.13%	32.72%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	5.29%	6.09%	15.67%	10.54%
Deterioration	0.13%	0.18%	0.17%	0.08%
Scheduled	7.10%	13.17%	14.10%	29.17%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.02%	0.03%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	19.71%	17.65%	0.00%	0.00%
Tree - ROW	0.25%	0.36%	0.00%	0.00%
Lightning	0.81%	0.51%	1.05%	0.67%
Tree - Non ROW	19.15%	21.34%	9.84%	12.48%
Large Animal	0.20%	0.21%	0.73%	0.59%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	0.00%	0.00%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Animal guards to be installed in 2025.

23-144

Substation Name and Number Sinai 23
 Substation Location HWY 62, Lawrenceburg, KY 40342
 Circuit Name and Number Sinai 144
 Circuit Location Ashby Rd
 Total Circuit Length (Miles) 70.4
 2024 Member Count 511
 Date Of Last Trim 2018

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	146.58	1.12	304.69	1.52
Equipment Fault	1.85%	1.49%	0.63%	0.90%
Wind	35.92%	14.84%	71.17%	34.53%
Small Animal	3.77%	5.27%	1.87%	4.49%
Squirrel	0.09%	0.14%	0.21%	0.51%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	0.28%	0.75%	0.34%	1.80%
Deterioration	0.68%	0.60%	0.23%	0.13%
Scheduled	7.76%	15.09%	15.72%	48.40%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.01%	0.04%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	15.58%	18.29%	0.00%	0.00%
Tree - ROW	0.07%	0.11%	0.00%	0.00%
Lightning	3.80%	4.48%	0.00%	0.00%
Tree - Non ROW	18.05%	20.96%	9.83%	9.24%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	12.14%	17.94%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	0.00%	0.00%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

To be trimmed in 2025.

23-154

Substation Name and Number Sinai 23
 Substation Location HWY 62, Lawrenceburg, KY 40342
 Circuit Name and Number Sinai 154
 Circuit Location Glensboro
 Total Circuit Length (Miles) 60.5
 2024 Member Count 390
 Date Of Last Trim 2019

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	315.22	2.19	352.54	3.68
Equipment Fault	3.54%	4.45%	11.52%	6.34%
Wind	28.04%	5.55%	2.56%	0.35%
Small Animal	3.02%	6.09%	4.83%	4.88%
Squirrel	0.39%	0.45%	0.05%	0.07%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	2.46%	4.04%	3.29%	4.88%
Deterioration	0.00%	0.00%	0.00%	0.00%
Scheduled	16.53%	31.76%	59.26%	70.38%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.00%	0.00%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	0.23%	0.74%	0.00%	0.00%
Tree - ROW	6.89%	9.40%	0.43%	0.49%
Lightning	2.05%	2.62%	0.07%	0.07%
Tree - Non ROW	35.34%	33.78%	17.99%	12.54%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	1.51%	1.12%	0.00%	0.00%
Contractor	0.00%	0.00%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Scheduled outages. No corrections needed at this time.

12-114

Substation Name and Number South Elkhorn 12
 Substation Location 3251 Keene Rd, Nicholasville, KY 40356
 Circuit Name and Number South Elkhorn 114
 Circuit Location Bellerive
 Total Circuit Length (Miles) 17.6
 2024 Member Count 434
 Date Of Last Trim 2024

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	163.11	0.69	508.51	1.04
Equipment Fault	6.53%	6.64%	0.00%	0.00%
Wind	0.26%	0.54%	0.00%	0.00%
Small Animal	0.51%	2.52%	0.05%	0.44%
Squirrel	0.15%	0.66%	0.07%	0.89%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	0.06%	0.20%	0.00%	0.00%
Deterioration	0.00%	0.00%	0.00%	0.00%
Scheduled	0.36%	1.13%	0.10%	0.44%
Power Supplier	54.40%	14.41%	87.41%	48.12%
Bird	0.00%	0.00%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	0.00%	0.00%	0.00%	0.00%
Tree - ROW	16.41%	29.88%	0.16%	1.55%
Lightning	13.59%	29.08%	0.00%	0.00%
Tree - Non ROW	7.73%	14.94%	12.21%	48.56%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	0.00%	0.00%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Power supplier outages. No corrections needed at this time.

14-104

Substation Name and Number South Jessamine 14
 Substation Location 1307 Chrisman Mill Rd, Nicholasville, KY 40356
 Circuit Name and Number South Jessamine 104
 Circuit Location John Watts
 Total Circuit Length (Miles) 4.5
 2024 Member Count 52
 Date Of Last Trim 2023

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	32.68	0.56	112.00	2.12
Equipment Fault	43.86%	46.07%	45.92%	47.57%
Wind	0.00%	0.00%	0.00%	0.00%
Small Animal	0.15%	0.10%	0.00%	0.00%
Squirrel	0.00%	0.00%	0.00%	0.00%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	2.14%	2.86%	2.24%	2.97%
Deterioration	0.00%	0.00%	0.00%	0.00%
Scheduled	0.23%	0.10%	0.00%	0.00%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.71%	0.29%	0.42%	0.21%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	0.00%	0.00%	0.00%	0.00%
Tree - ROW	6.38%	1.82%	6.68%	1.88%
Lightning	0.16%	0.10%	0.00%	0.00%
Tree - Non ROW	46.37%	48.66%	44.74%	47.37%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	0.00%	0.00%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Equipment repaired at time of the outage. Storm related outages. No other corrections needed at this time.

14-124

Substation Name and Number South Jessamine 14
 Substation Location 1307 Chrisman Mill Rd, Nicholasville, KY 40356
 Circuit Name and Number South Jessamine 124
 Circuit Location US 27/Fort Bamlett Rd
 Total Circuit Length (Miles) 64.87
 2024 Member Count 742
 Date Of Last Trim 2023

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	147.69	1.24	210.85	1.93
Equipment Fault	7.32%	8.31%	0.53%	0.70%
Wind	8.83%	5.00%	12.12%	8.16%
Small Animal	2.52%	4.20%	0.16%	0.28%
Squirrel	1.14%	1.49%	1.46%	1.53%
Ice/Snow	0.79%	0.28%	0.00%	0.00%
Unknown Cause	1.48%	2.90%	1.50%	2.58%
Deterioration	0.35%	0.54%	0.00%	0.00%
Scheduled	3.21%	4.67%	4.55%	5.16%
Power Supplier	0.00%	0.00%	0.01%	0.07%
Bird	0.52%	1.01%	0.67%	1.67%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	5.25%	18.41%	4.14%	7.46%
Tree - ROW	2.68%	2.81%	1.92%	0.84%
Lightning	9.48%	11.61%	29.85%	32.50%
Tree - Non ROW	56.17%	38.42%	43.02%	38.98%
Large Animal	0.06%	0.09%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.02%	0.02%	0.07%	0.07%
Sag/Clearance	0.17%	0.19%	0.00%	0.00%
Contractor	0.01%	0.05%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Storm related outages. No corrections needed at this time.

14-134

Substation Name and Number South Jessamine 14
 Substation Location 1307 Chrisman Mill Rd, Nicholasville, KY 40356
 Circuit Name and Number South Jessamine 134
 Circuit Location Chrisman Mill
 Total Circuit Length (Miles) 97.08
 2024 Member Count 781
 Date Of Last Trim 2021

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	236.36	1.54	561.44	3.38
Equipment Fault	10.43%	8.53%	0.46%	0.42%
Wind	4.26%	4.12%	3.87%	3.48%
Small Animal	3.04%	5.11%	3.43%	5.15%
Squirrel	1.64%	3.03%	3.23%	5.90%
Ice/Snow	0.02%	0.03%	0.00%	0.00%
Unknown Cause	6.76%	10.54%	2.24%	5.41%
Deterioration	0.04%	0.12%	0.00%	0.00%
Scheduled	3.28%	4.83%	4.29%	5.72%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.04%	0.12%	0.05%	0.15%
Overload	1.74%	1.68%	0.00%	0.00%
Public Accident	23.82%	25.12%	52.58%	57.72%
Tree - ROW	9.61%	8.88%	5.48%	3.29%
Lightning	12.31%	9.51%	19.00%	7.08%
Tree - Non ROW	22.28%	16.98%	5.10%	5.56%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	0.10%	0.03%	0.23%	0.08%
Vandalism	0.02%	0.01%	0.04%	0.04%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	0.61%	1.36%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Public accident and storm outages. No corrections needed at this time.

14-144

Substation Name and Number South Jessamine 14
 Substation Location 1307 Chrisman Mill Rd, Nicholasville, KY 40356
 Circuit Name and Number South Jessamine 144
 Circuit Location Industrial Park
 Total Circuit Length (Miles) 6.49
 2024 Member Count 31
 Date Of Last Trim 2023

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	15.14	0.25	64.81	1.13
Equipment Fault	0.00%	0.00%	0.00%	0.00%
Wind	0.00%	0.00%	0.00%	0.00%
Small Animal	0.00%	0.00%	0.00%	0.00%
Squirrel	0.00%	0.00%	0.00%	0.00%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	0.00%	0.00%	0.00%	0.00%
Deterioration	0.00%	0.00%	0.00%	0.00%
Scheduled	7.47%	7.89%	8.61%	8.57%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.00%	0.00%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	13.29%	7.89%	0.00%	0.00%
Tree - ROW	0.00%	0.00%	0.00%	0.00%
Lightning	12.34%	2.63%	14.24%	2.86%
Tree - Non ROW	66.90%	81.59%	77.15%	88.57%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	0.00%	0.00%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Storm related outages. No corrections needed at this time.

17-134

Substation Name and Number South Point 17
 Substation Location Lauderdale Dr, Nicholasville, KY 40356
 Circuit Name and Number South Point 134
 Circuit Location Grey Oak Ln
 Total Circuit Length (Miles) 4.86
 2024 Member Count 216
 Date Of Last Trim 2020

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	38.88	1.04	39.84	1.02
Equipment Fault	0.00%	0.00%	0.00%	0.00%
Wind	0.00%	0.00%	0.00%	0.00%
Small Animal	48.51%	17.36%	0.00%	0.00%
Squirrel	0.00%	0.00%	0.00%	0.00%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	0.00%	0.00%	0.00%	0.00%
Deterioration	0.00%	0.00%	0.00%	0.00%
Scheduled	35.07%	44.11%	100.00%	100.00%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.00%	0.00%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	12.18%	21.17%	0.00%	0.00%
Tree - ROW	0.00%	0.00%	0.00%	0.00%
Lightning	0.00%	0.00%	0.00%	0.00%
Tree - Non ROW	4.24%	17.36%	0.00%	0.00%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	0.00%	0.00%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Scheduled outages. Animal gaurds to be installed in 2025. No other corrections needed at this time.

24-114

Substation Name and Number Van Arsdell 24
 Substation Location 104 Bardstown Rd, Harrodsburg, KY 40330
 Circuit Name and Number Van Arsdell 114
 Circuit Location Shakertown/McAfee Ln
 Total Circuit Length (Miles) 135.03
 2024 Member Count 1017
 Date Of Last Trim 2020

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	163.79	1.69	164.22	2.52
Equipment Fault	9.63%	6.06%	7.49%	3.16%
Wind	12.23%	4.37%	7.65%	6.59%
Small Animal	6.39%	12.81%	1.48%	1.60%
Squirrel	0.07%	0.12%	0.13%	0.12%
Ice/Snow	0.90%	0.79%	0.00%	0.00%
Unknown Cause	0.92%	1.30%	1.97%	2.19%
Deterioration	2.68%	1.50%	0.16%	0.20%
Scheduled	1.95%	3.14%	1.55%	1.99%
Power Supplier	8.01%	11.94%	0.00%	0.00%
Bird	0.02%	0.04%	0.00%	0.00%
Overload	0.01%	0.02%	0.00%	0.00%
Public Accident	2.36%	1.40%	0.15%	0.20%
Tree - ROW	12.79%	17.77%	38.49%	40.98%
Lightning	2.04%	1.54%	0.29%	0.16%
Tree - Non ROW	39.98%	37.17%	40.59%	42.77%
Large Animal	0.01%	0.02%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.01%	0.01%	0.05%	0.04%
Contractor	0.00%	0.00%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Storm related outages. Trees cut at time of event. No other corrections needed at this time.

24-124

Substation Name and Number Van Arsdell 24
Substation Location 104 Bardstown Rd, Harrodsburg, KY 40330
Circuit Name and Number Van Arsdell 124
Circuit Location Bohon
Total Circuit Length (Miles) 42.1
2024 Member Count 363
Date Of Last Trim 2019

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	97.35	1.12	115.09	1.19
Equipment Fault	24.61%	21.14%	92.21%	91.44%
Wind	0.05%	0.05%	0.17%	0.23%
Small Animal	4.72%	5.84%	0.73%	1.16%
Squirrel	0.63%	0.94%	2.33%	3.70%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	0.09%	0.10%	0.22%	0.23%
Deterioration	0.27%	0.30%	0.00%	0.00%
Scheduled	11.80%	10.54%	4.01%	2.78%
Power Supplier	12.84%	17.72%	0.00%	0.00%
Bird	0.00%	0.00%	0.00%	0.00%
Overload	0.16%	0.20%	0.00%	0.00%
Public Accident	27.01%	18.42%	0.00%	0.00%
Tree - ROW	0.96%	0.94%	0.19%	0.23%
Lightning	11.78%	20.74%	0.00%	0.00%
Tree - Non ROW	3.62%	2.23%	0.00%	0.00%
Large Animal	0.03%	0.05%	0.14%	0.23%
Fire	1.43%	0.79%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	0.00%	0.00%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Equipment repaired at time of the outage. No other corrections needed at this time.

.

24-144

Substation Name and Number Van Arsdell 24
 Substation Location 104 Bardstown Rd, Harrodsburg, KY 40330
 Circuit Name and Number Van Arsdell 144
 Circuit Location Kirkwood
 Total Circuit Length (Miles) 91.5
 2024 Member Count 662
 Date Of Last Trim 2022

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	221.36	2.00	267.32	1.95
Equipment Fault	20.26%	12.82%	59.54%	31.86%
Wind	8.31%	6.92%	14.11%	21.20%
Small Animal	4.94%	6.52%	8.62%	15.62%
Squirrel	0.54%	0.72%	1.29%	1.70%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	1.61%	2.49%	2.31%	2.86%
Deterioration	6.85%	6.27%	0.00%	0.00%
Scheduled	3.85%	4.38%	4.12%	8.97%
Power Supplier	5.87%	9.99%	0.00%	0.00%
Bird	0.01%	0.02%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	12.84%	6.30%	0.09%	0.08%
Tree - ROW	0.60%	0.64%	0.00%	0.00%
Lightning	22.32%	27.33%	9.92%	17.71%
Tree - Non ROW	11.13%	14.67%	0.00%	0.00%
Large Animal	0.16%	0.18%	0.00%	0.00%
Fire	0.71%	0.75%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	0.00%	0.00%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Equipment repaired at time of the outage. No other corrections needed at this time.

8-114

Substation Name and Number West Berea 8
 Substation Location 5350 Walnut Meadow Rd, Berea, KY 40403
 Circuit Name and Number West Berea 114
 Circuit Location Walnut Creek
 Total Circuit Length (Miles) 4.52
 2024 Member Count 145
 Date Of Last Trim 2023

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	31.11	0.49	40.77	1.32
Equipment Fault	88.30%	53.95%	84.34%	22.51%
Wind	0.80%	1.14%	0.00%	0.00%
Small Animal	1.22%	0.56%	0.00%	0.00%
Squirrel	0.00%	0.00%	0.00%	0.00%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	0.00%	0.00%	0.00%	0.00%
Deterioration	2.48%	1.13%	0.00%	0.00%
Scheduled	0.90%	0.85%	3.40%	1.57%
Power Supplier	3.23%	40.96%	12.26%	75.92%
Bird	0.00%	0.00%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	0.00%	0.00%	0.00%	0.00%
Tree - ROW	2.60%	1.13%	0.00%	0.00%
Lightning	0.47%	0.28%	0.00%	0.00%
Tree - Non ROW	0.00%	0.00%	0.00%	0.00%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	0.00%	0.00%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Equipment repaired at time of the outage. No other corrections needed at this time.

Substation Name and Number West Nicholasville 3
 Substation Location 398 Bass Pond Glen Dr, Nicholasville, KY 40356
 Circuit Name and Number West Nicholasville 144
 Circuit Location Keenland/Paddock
 Total Circuit Length (Miles) 14.9
 2024 Member Count 588
 Date Of Last Trim 2020

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	148.79	1.32	345.04	2.50
Equipment Fault	1.29%	2.21%	1.35%	3.00%
Wind	21.65%	19.89%	1.09%	2.31%
Small Animal	10.89%	18.91%	0.56%	1.23%
Squirrel	14.54%	16.29%	29.98%	40.60%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	1.01%	1.74%	0.00%	0.00%
Deterioration	14.93%	15.17%	0.00%	0.00%
Scheduled	3.69%	1.59%	7.74%	4.09%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	11.04%	15.22%	23.81%	40.12%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	0.00%	0.00%	0.00%	0.00%
Tree - ROW	1.21%	1.10%	0.19%	0.27%
Lightning	0.00%	0.00%	0.00%	0.00%
Tree - Non ROW	19.75%	7.88%	35.28%	8.38%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	0.00%	0.00%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Animal guards to be installed in 2025.

18-134

Substation Name and Number West Nicholasville #2 18
 Substation Location 398 Bass Pond Glen Dr, Nicholasville, KY 40356
 Circuit Name and Number West Nicholasville #2 134
 Circuit Location Donaldson/Etter Dr.
 Total Circuit Length (Miles) 2.13
 2024 Member Count 52
 Date Of Last Trim 2021

	5 Year Average		2024	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	3.26	0.08	6.48	0.10
Equipment Fault	54.07%	45.00%	85.46%	80.00%
Wind	0.00%	0.00%	0.00%	0.00%
Small Animal	40.14%	50.00%	0.00%	0.00%
Squirrel	0.00%	0.00%	0.00%	0.00%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	0.00%	0.00%	0.00%	0.00%
Deterioration	0.00%	0.00%	0.00%	0.00%
Scheduled	0.00%	0.00%	0.00%	0.00%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	5.79%	5.00%	14.54%	20.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	0.00%	0.00%	0.00%	0.00%
Tree - ROW	0.00%	0.00%	0.00%	0.00%
Lightning	0.00%	0.00%	0.00%	0.00%
Tree - Non ROW	0.00%	0.00%	0.00%	0.00%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	0.00%	0.00%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Equipment repaired at time of the outage. Animal gaurds to be installed in 2025. No other corrections needed at this time.



DISTRIBUTION RIGHT-OF-WAY VEGETATION MANAGEMENT 2025 PLAN/ 2024 PLAN REVIEW

April 2025

Blue Grass Energy Vegetation Management Plan

2024 Review of Plan Implementation

Blue Grass Energy developed a formal plan to manage the maintenance of vegetation on distribution rights-of-way (ROW) in 2007/2008. The plans goals were established to provide excellent member service, maintain current tree related reliability, and look for opportunities to increase production and reduce program cost. These plans were continued and improved into 2024.

As stated in the previously submitted Vegetation Management Plan, the plan may be modified from time-to-time based on performance as measured by tree-related service reliability and evaluations of member satisfaction with service reliability. Specific reliability metrics may include Tree SAIFI, trends in customer minutes interrupted by tree-related causes and tree-caused primary interruptions per 100 line miles as internal benchmarks of program performance over time. A Tree-Caused Outage Report summarizes these reliability criteria and is regularly reviewed and monitored daily. Upon reporting of tree related outages, a field investigation is conducted to determine the root cause.

2022-2025 Vegetation Management Strategy

SCHEDULED MAINTENANCE AND CLEARANCE

Blue Grass Energy provides electric service to over 63,000 members through a network of over 4,900 miles of distribution line. Blue Grass Energy uses a cyclic approach to preventive vegetation management of its electric distribution ROW. Different circuits or portions of circuits may be scheduled on different cycles based on site conditions, sensitivity of the line to interruptions caused by trees or criticality of the line. The maintenance cycle for tree removal, tree pruning or brush control may be the same or different for a given scheduling unit. Following pruning and clearance operations, herbicide application is conducted after one full growing season.

As illustrated in Table 1, Blue Grass Energy completed 25 distribution circuits scheduled in 2024 and a total of 716 miles of line completed. In 2025, there are 29 distribution circuits, for a total of 816 miles scheduled for completion. The varying site conditions determine the cost and cause completed miles to vary by year.

Table 1. Blue Grass Energy R/W Miles Scheduled vs. Completed - Trimming

Maintenance Year	2022	2023	2024	2025
Scheduled	768	773	732	816
Completed	717	773	716	TBD

Of the 2022 and 2023 maintenance year mileage, 23 circuits consisting of 808 miles were identified for selective herbicide application in 2024. Herbicide application consisting of 789 miles are scheduled for 2025.

Table 2. Blue Grass Energy R/W Miles Scheduled vs. Completed - Herbicide

Maintenance Year - Herbicide	2022	2023	2024	2025
Scheduled	835	755	808	789
Completed	582	755	808	TBD

RELIABILITY

In 2008, Blue Grass Energy developed and implemented an outage investigation process to better understand the cause of tree failures. The data was again used in 2024 to identify species failure rates and help plan future scheduled and non-scheduled work to eliminate potential outages. The investigation of tree related outages will continue through 2025 to collect data on major outage categories.

Historical Blue Grass Energy tree caused outages within the right of way are illustrated in Table 3.

Table 3. Number of Tree-Caused Outages within the ROW on the Blue Grass Energy System†

Year	2020	2021	2022	2023	2024
TOTALS	114	222	167	126	170

†Outages on primary conductor excluding major event days

2024 VEGETATION MANAGEMENT PLAN REVIEW

No Changes were implemented in 2024 to the ROW management plan. The “Distribution Right-Of-Way Vegetation Management Plan” Dated April 2024 reiterated in detail the processes that were built into the plan.

In 2024, 716 trim miles and 808 herbicide miles were completed. 14,378 diameter inches treated with tree growth regulator (TGR).

Listed below are some of the processes used in 2024:

1. Continuation of Formal Contractor Evaluation Program. Each contractor will be rated on nine qualitative categories such as customer complaints, quarterly mileage goals, exceptions/ omissions, quality/standards, tools/equipment, unscheduled interruptions/OSHA LWD, contractor cooperation & communication, crew professionalism, and data accuracy.
2. Yearly Revision of formal program policies and procedures and assurance of consistent implementation throughout the system to include additional detailed requirements.
3. Continued yearly revision of a 5-6 year maintenance cycle for the system based on collected field data. In areas where standard clearances cannot be consistently achieved (e.g., subdivisions), mid cycle assessments will be conducted, and cycles adjusted based on those findings. Recommended cycle lengths are guidelines.
4. Vegetation Management personnel maintain ISA Certified Arborist Utility Specialist certification.

5. Selective use of herbicides to control resprouting from the stumps of removed deciduous trees.
6. Continuation of formal herbicide spray program to control woody species following maintenance pruning.
7. Written notification of property owners of the intent to prune trees and requirement of written permission for “yard” tree removals. We always strive to not allow property owners to influence pruning clearances.
8. The crew labor and equipment complements were adjusted throughout the year to maximize cost effectiveness.
9. Revised and improved the formal work monitoring and completion process. Each circuit is 100 percent audited by ROW supervisory personnel to ensure specifications for clearance and quality are achieved.
10. Records were maintained of key aspects of the ROW vegetation management program to document program performance. This data provides information necessary for ongoing program management and circuit scheduling.
11. Met requirements for Arbor Day Foundation Tree Line USA certification.

2025 VEGETATION MANAGEMENT PLAN

In addition to continuing the Distribution Right-Of-Way Vegetation Management Plans outlined for 2024 we intend to utilize the following key objectives in the upcoming year:

- Continue to Uphold National Arbor Day Tree Line USA standards
- Continue to uphold ANSI A300 pruning and Z133 safety standards
- Utilization of vegetation management Best Management Practices as defined by the International Society of Arboriculture.
- Continue to evaluate and increase production and quality with established work force.
- Further inspection and reduction of unnecessary reactive maintenance
- Utilize multiple ROW vegetation maintenance contractors
- Continue with formal herbicide spray program to control woody species following maintenance pruning.
- Evaluate effectiveness of program for using tree growth regulators (TGR) in urban area yard trees and continue use of TGR's in 2025.

Appendix

ROW VEGETATION MAINTENANCE CLEARANCE CYCLE SCHEDULING STRATEGY

The following table summarizes the Blue Grass Energy ROW vegetation maintenance scheduling strategy. Individual circuits may be accelerated or deferred based on assessment of field conditions and operating performance.

Circuit Description	Primary Cycle Length (Years)	Mid-cycle Inspection/selective Tree Maintenance (Years)
Feeder Multi-phase	5-6	2 to 3
Feeder Laterals (single-phase)	5-6	
Industrial Circuits	4-5	Annual inspection and selective maintenance