

KENTUCKY PUBLIC SERVICE COMMISSION

Electric Distribution Utility Annual Reliability Report

SECTION 1: CONTACT INFORMATION

UTILITY NAME	Blue Grass Energy
REPORT PREPARED BY	Chris Brewer
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PHONE NUMBER OF PREPARER	859-885-2103

SECTION 2: REPORTING YEAR

CALENDAR YEAR OF REPORT	2023
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SECTION 3: MAJOR EVENT DAYS (MED)

T_{MED}	14.93
FIRST DATE USED TO DETERMINE T_{MED}	1/1/2018
LAST DATE USED TO DETERMINE T_{MED}	12/31/2022
NUMBER OF MED IN REPORT YEAR	7

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>61698</u>	TOTAL CIRCUITS	<u>139</u>
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Excluding MED

	5 YEAR AVERAGE		REPORTING YEAR
SAIDI	<u>158.01</u>	SAIDI	<u>210.02</u>
SAIFI	<u>1.25</u>	SAIFI	<u>1.33</u>

Including MED

	5 YEAR AVERAGE		REPORTING YEAR
SAIDI	<u>428.54</u>	SAIDI	<u>1234.04</u>
SAIFI	<u>1.64</u>	SAIFI	<u>2.41</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}

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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 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

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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

41-104

Substation Name and Number 3M#2 41
Substation Location Hwy 982, Cynthiana, KY 41031
Circuit Name and Number 3M #2 104
Circuit Location KY HWY 36 W & KY HWY 356
Total Circuit Length (Miles) 45.68
2023 Member Count 728
Date Of Last Trim 2018

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
Equipment Fault	18.73%	26.93%	0.84%	1.60%
Wind	3.95%	5.58%	2.53%	1.50%
Small Animal	1.47%	2.82%	0.26%	0.85%
Squirrel	0.24%	0.37%	0.30%	0.40%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	0.00%	0.02%	0.01%	0.05%
Deterioration	0.02%	0.02%	0.00%	0.00%
Scheduled	1.29%	2.40%	2.36%	5.69%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.47%	1.33%	0.70%	2.94%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	0.00%	0.00%	0.00%	0.00%
Tree - ROW	19.34%	18.11%	0.58%	0.90%
Lightning	45.62%	35.00%	86.61%	81.58%
Tree - Non ROW	8.87%	7.42%	5.81%	4.49%
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	0.00%	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.

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
2023 Member Count 411
Date Of Last Trim 2018

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	73.70	0.4300	119.45	0.4300
Equipment Fault	1.06%	1.62%	1.47%	3.93%
Wind	30.48%	12.88%	87.08%	53.37%
Small Animal	9.44%	13.11%	0.37%	1.12%
Squirrel	0.49%	1.97%	1.02%	6.18%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	7.21%	9.28%	0.00%	0.00%
Deterioration	9.55%	8.47%	0.00%	0.00%
Scheduled	3.61%	12.65%	0.83%	5.06%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	1.35%	5.10%	3.42%	20.79%
Overload	2.31%	3.02%	0.00%	0.00%
Public Accident	1.20%	1.74%	0.00%	0.00%
Tree - ROW	0.04%	0.12%	0.00%	0.00%
Lightning	29.94%	21.57%	5.81%	9.55%
Tree - Non ROW	3.32%	8.47%	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.

41-154

Substation Name and Number 3M #2 41
 Substation Location Hwy 982, Cynthiana, KY 41032
 Circuit Name and Number 3M #2 154
 Circuit Location Paris
 Total Circuit Length (Miles) 62.3
 2023 Member Count 561
 Date Of Last Trim 2022

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	423.67	2.58	554.89	3.04
Equipment Fault	10.23%	5.64%	2.32%	2.05%
Wind	10.18%	13.21%	13.56%	23.12%
Small Animal	0.31%	0.67%	0.32%	0.70%
Squirrel	0.05%	0.13%	0.15%	0.41%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	8.25%	11.70%	15.26%	37.97%
Deterioration	14.31%	7.60%	0.02%	0.06%
Scheduled	2.53%	12.71%	1.44%	2.93%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.08%	0.22%	0.12%	0.29%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	0.82%	1.08%	0.03%	0.06%
Tree - ROW	17.97%	17.25%	0.00%	0.00%
Lightning	19.66%	10.94%	66.61%	32.23%
Tree - Non ROW	7.93%	11.32%	0.17%	0.18%
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	7.68%	7.53%	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
 2023 Member Count 685
 Date Of Last Trim 2020

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	320.81	1.74	186.00	1.08
Equipment Fault	7.15%	6.32%	5.44%	5.44%
Wind	14.91%	7.91%	25.08%	13.40%
Small Animal	16.70%	22.18%	0.15%	0.42%
Squirrel	0.42%	0.70%	0.28%	0.50%
Ice/Snow	5.92%	0.94%	0.00%	0.00%
Unknown Cause	1.88%	2.81%	0.13%	0.25%
Deterioration	5.24%	4.97%	0.04%	0.08%
Scheduled	2.38%	4.99%	3.16%	6.53%
Power Supplier	15.81%	17.87%	46.89%	57.54%
Bird	0.18%	0.36%	0.36%	0.67%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	4.90%	5.77%	0.00%	0.00%
Tree - ROW	4.96%	7.20%	0.06%	0.08%
Lightning	1.52%	1.72%	0.55%	0.67%
Tree - Non ROW	15.65%	10.46%	17.86%	14.42%
Large Animal	0.46%	0.55%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	1.87%	5.20%	0.00%	0.00%
Contractor	0.05%	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 and power supplier 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
 2023 Member Count 1119
 Date Of Last Trim 2020

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	347.16	2.03	518.79	2.32
Equipment Fault	15.02%	16.75%	3.49%	5.74%
Wind	16.86%	11.07%	32.78%	17.17%
Small Animal	2.92%	4.46%	0.52%	1.21%
Squirrel	0.06%	0.09%	0.08%	0.16%
Ice/Snow	2.10%	1.39%	0.00%	0.00%
Unknown Cause	5.46%	7.43%	1.29%	1.66%
Deterioration	7.13%	4.76%	0.00%	0.00%
Scheduled	2.38%	3.09%	1.92%	2.79%
Power Supplier	8.93%	10.41%	22.63%	30.37%
Bird	0.01%	0.02%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	3.43%	5.33%	2.88%	3.94%
Tree - ROW	9.84%	8.53%	14.83%	4.43%
Lightning	9.74%	7.93%	11.05%	9.10%
Tree - Non ROW	15.39%	14.41%	7.34%	11.22%
Large Animal	0.01%	0.04%	0.03%	0.11%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.26%	0.14%	0.00%	0.00%
Contractor	0.46%	4.15%	1.16%	12.10%
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. 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
2023 Member Count 1378
Date Of Last Trim 2023

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
Equipment Fault	6.34%	6.69%	4.39%	4.20%
Wind	12.07%	9.13%	10.04%	7.23%
Small Animal	5.64%	7.21%	1.08%	2.17%
Squirrel	0.31%	0.44%	0.65%	1.16%
Ice/Snow	0.01%	0.01%	0.00%	0.00%
Unknown Cause	2.32%	3.11%	0.41%	0.67%
Deterioration	0.36%	0.41%	0.07%	0.12%
Scheduled	1.31%	3.24%	1.87%	6.97%
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	0.43%	0.91%	0.00%	0.00%
Tree - ROW	20.68%	23.83%	5.62%	4.60%
Lightning	7.02%	7.67%	2.31%	1.87%
Tree - Non ROW	41.69%	35.53%	73.56%	71.01%
Large Animal	0.00%	0.01%	0.00%	0.00%
Fire	0.06%	0.09%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	1.76%	1.72%	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.

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
 2023 Member Count 932
 Date Of Last Trim 2019

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	186.40	1.5200	334.86	2.7000
Equipment Fault	23.59%	14.00%	18.52%	10.94%
Wind	6.94%	7.61%	0.48%	0.68%
Small Animal	7.83%	11.54%	8.32%	11.26%
Squirrel	2.65%	5.50%	0.78%	1.03%
Ice/Snow	1.14%	0.87%	0.00%	0.00%
Unknown Cause	0.23%	0.39%	0.12%	0.12%
Deterioration	2.73%	2.32%	0.08%	0.08%
Scheduled	0.66%	2.70%	1.35%	5.89%
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	0.61%	0.68%	0.28%	0.48%
Tree - ROW	7.76%	4.10%	6.23%	1.63%
Lightning	20.83%	24.12%	22.29%	26.14%
Tree - Non ROW	22.58%	22.13%	39.71%	39.56%
Large Animal	0.85%	1.08%	1.84%	2.19%
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	1.60%	2.96%	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.

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
2023 Member Count 1092
Date Of Last Trim 2018

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	219.31	2.24	329.91	2.38
Equipment Fault	28.41%	36.35%	3.07%	6.96%
Wind	7.09%	4.23%	7.39%	11.39%
Small Animal	4.23%	7.19%	1.47%	5.04%
Squirrel	0.53%	0.57%	1.28%	1.75%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	3.01%	3.30%	4.14%	5.62%
Deterioration	0.07%	0.11%	0.06%	0.15%
Scheduled	2.97%	4.67%	2.01%	7.58%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.03%	0.04%	0.08%	0.15%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	0.00%	0.00%	0.00%	0.00%
Tree - ROW	4.05%	3.28%	9.26%	10.04%
Lightning	12.66%	14.78%	1.05%	3.42%
Tree - Non ROW	36.50%	23.78%	70.19%	47.90%
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	0.44%	1.68%	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.

26-114

Substation Name and Number Clay Lick 26
Substation Location 5627 Louisville Rd, Salvisa, KY 40372
Circuit Name and Number Clay Lick 114
Circuit Location Van Arsdell 1 Tie
Total Circuit Length (Miles) 9.16
2023 Member Count 52
Date Of Last Trim 2022

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	107.82	1.15	234.31	1.71
Equipment Fault	8.48%	7.46%	13.15%	20.22%
Wind	5.26%	3.73%	0.31%	1.12%
Small Animal	9.23%	16.61%	6.48%	7.87%
Squirrel	0.00%	0.00%	0.00%	0.00%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	3.00%	5.76%	0.00%	0.00%
Deterioration	0.00%	0.00%	0.00%	0.00%
Scheduled	0.00%	0.00%	0.00%	0.00%
Power Supplier	11.17%	17.63%	0.00%	0.00%
Bird	0.22%	0.34%	0.50%	1.12%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	0.00%	0.00%	0.00%	0.00%
Tree - ROW	29.16%	22.37%	58.73%	59.55%
Lightning	31.16%	23.05%	20.83%	10.12%
Tree - Non ROW	2.32%	3.05%	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:

R/W addressed at time of the outage. Equipment repaired at time of the outage.
No corrections needed at this time.

26-124

Substation Name and Number Clay Lick 26
Substation Location 5627 Louisville Rd, Salvisa, KY 40372
Circuit Name and Number Clay Lick 124
Circuit Location McCouns Ferry
Total Circuit Length (Miles) 74.7
2023 Member Count 644
Date Of Last Trim 2021

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	209.93	1.52	279.59	1.28
Equipment Fault	1.03%	1.76%	1.07%	2.30%
Wind	27.31%	11.11%	67.05%	34.14%
Small Animal	5.14%	10.28%	3.79%	11.62%
Squirrel	0.09%	0.39%	0.01%	0.12%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	0.54%	0.95%	0.00%	0.00%
Deterioration	0.90%	1.29%	0.18%	0.36%
Scheduled	1.44%	2.51%	1.33%	3.27%
Power Supplier	6.25%	13.24%	0.00%	0.00%
Bird	0.00%	0.00%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	3.84%	6.06%	2.24%	1.57%
Tree - ROW	8.76%	10.19%	4.07%	11.26%
Lightning	19.00%	16.03%	5.29%	11.38%
Tree - Non ROW	23.04%	23.29%	5.15%	7.27%
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	2.65%	2.88%	9.82%	16.71%
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.

32-114

Substation Name and Number Colemansville 32
Substation Location Corner Of Hwy 1032 & 1054, Berry, KY 41006
Circuit Name and Number Colemansville 114
Circuit Location Blackburn Rd/Oddville Sunrise
Total Circuit Length (Miles) 68.71
2023 Member Count 450
Date Of Last Trim 2018

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	111.76	1.35	144.85	1.26
Equipment Fault	26.68%	16.63%	37.12%	15.34%
Wind	5.91%	4.11%	0.23%	0.18%
Small Animal	5.31%	6.58%	0.74%	1.23%
Squirrel	0.75%	0.77%	2.70%	3.88%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	6.11%	4.58%	0.00%	0.00%
Deterioration	5.22%	3.11%	0.00%	0.00%
Scheduled	12.64%	15.97%	36.18%	52.73%
Power Supplier	5.63%	30.06%	0.00%	0.00%
Bird	0.04%	0.07%	0.16%	0.35%
Overload	0.13%	0.10%	0.51%	0.53%
Public Accident	1.76%	2.74%	6.71%	14.46%
Tree - ROW	0.02%	0.03%	0.00%	0.00%
Lightning	12.25%	5.74%	10.68%	3.54%
Tree - Non ROW	16.63%	8.65%	1.46%	3.17%
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	0.92%	0.86%	3.51%	4.59%
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.Scheduled outages.
No other corrections needed at this time.

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
 2023 Member Count 624
 Date Of Last Trim 2018

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	116.04	1.25	157.86	1.45
Equipment Fault	24.28%	14.01%	19.38%	9.51%
Wind	14.56%	9.38%	8.80%	5.75%
Small Animal	1.97%	3.57%	1.05%	1.55%
Squirrel	0.62%	0.71%	0.47%	0.88%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	8.36%	5.66%	13.90%	8.96%
Deterioration	2.79%	2.01%	0.00%	0.00%
Scheduled	1.35%	1.08%	2.42%	2.77%
Power Supplier	5.25%	32.20%	0.00%	0.00%
Bird	0.00%	0.00%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	0.39%	0.26%	0.10%	0.11%
Tree - ROW	0.92%	0.87%	0.00%	0.00%
Lightning	31.94%	23.98%	53.55%	70.36%
Tree - Non ROW	6.76%	4.60%	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	0.81%	1.67%	0.33%	0.11%
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.

13-114

Substation Name and Number Crooksville 13
 Substation Location 765 Crooksville Rd, Richmond, KY 40475
 Circuit Name and Number Crooksville 114
 Circuit Location Speedwell/Brassfield
 Total Circuit Length (Miles) 71.16
 2023 Member Count 663
 Date Of Last Trim 2021

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	241.74	1.76	417.45	1.90
Equipment Fault	6.51%	10.96%	7.22%	14.64%
Wind	10.28%	6.98%	18.68%	14.72%
Small Animal	5.38%	8.29%	0.83%	2.55%
Squirrel	1.09%	2.59%	2.62%	9.23%
Ice/Snow	0.09%	0.07%	0.00%	0.00%
Unknown Cause	6.13%	8.65%	4.68%	2.86%
Deterioration	1.00%	0.91%	2.16%	3.02%
Scheduled	6.29%	6.54%	5.13%	6.52%
Power Supplier	7.33%	11.36%	0.00%	0.00%
Bird	0.00%	0.00%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	12.58%	11.17%	18.99%	22.67%
Tree - ROW	4.78%	5.65%	0.08%	0.08%
Lightning	20.23%	16.57%	12.21%	1.59%
Tree - Non ROW	18.29%	10.23%	27.40%	22.12%
Large Animal	0.02%	0.03%	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 storm related outages. No corrections needed at this time.

4-114

Substation Name and Number Davis 4
 Substation Location 3876 Delong Rd, Lexington, KY 40515
 Circuit Name and Number Davis 114
 Circuit Location Ashgrove Pike
 Total Circuit Length (Miles) 20.18
 2023 Member Count 363
 Date Of Last Trim 2021

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	353.35	2.87	576.69	3.88
Equipment Fault	2.78%	9.77%	1.90%	4.19%
Wind	1.46%	1.52%	1.24%	2.13%
Small Animal	1.95%	3.20%	0.25%	0.71%
Squirrel	0.35%	0.85%	0.80%	0.78%
Ice/Snow	0.80%	0.64%	0.00%	0.00%
Unknown Cause	1.50%	3.14%	2.15%	6.04%
Deterioration	0.03%	0.02%	0.00%	0.00%
Scheduled	3.00%	7.35%	0.50%	0.64%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.05%	0.08%	0.00%	0.00%
Overload	0.52%	1.27%	0.00%	0.00%
Public Accident	12.98%	14.50%	3.59%	26.71%
Tree - ROW	10.94%	13.36%	0.08%	0.21%
Lightning	7.50%	8.79%	4.30%	2.34%
Tree - Non ROW	55.51%	34.47%	85.19%	56.25%
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	0.63%	1.04%	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 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
 2023 Member Count 161
 Date Of Last Trim 2019

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	135.65	1.16	205.61	1.13
Equipment Fault	23.59%	14.46%	68.16%	63.19%
Wind	5.12%	0.94%	16.32%	2.75%
Small Animal	15.04%	18.31%	4.93%	11.54%
Squirrel	0.00%	0.00%	0.00%	0.00%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	14.10%	21.12%	2.16%	7.69%
Deterioration	0.00%	0.00%	0.00%	0.00%
Scheduled	0.64%	1.46%	1.77%	7.14%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.14%	0.31%	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	14.66%	14.36%	0.00%	0.00%
Lightning	4.14%	5.93%	2.51%	4.95%
Tree - Non ROW	22.57%	23.11%	4.15%	2.74%
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 outage. No 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
 2023 Member Count 497
 Date Of Last Trim 2021

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	230.86	0.91	578.98	0.70
Equipment Fault	9.74%	10.91%	3.34%	13.51%
Wind	43.38%	6.38%	79.87%	24.71%
Small Animal	1.88%	5.24%	0.02%	0.29%
Squirrel	0.05%	0.28%	0.00%	0.00%
Ice/Snow	0.13%	0.05%	0.00%	0.00%
Unknown Cause	1.07%	4.16%	0.87%	11.78%
Deterioration	1.49%	4.82%	0.00%	0.00%
Scheduled	2.30%	4.02%	1.38%	9.77%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.29%	1.18%	0.09%	0.86%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	1.19%	2.08%	0.11%	0.57%
Tree - ROW	10.10%	11.10%	11.22%	26.16%
Lightning	3.02%	5.76%	1.24%	4.02%
Tree - Non ROW	14.15%	21.58%	1.86%	8.33%
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	11.21%	22.44%	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 134
 Circuit Location Beulah Park/Bold Bidder
 Total Circuit Length (Miles) 7.76
 2023 Member Count 816
 Date Of Last Trim 2022

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	77.97	0.44	116.68	0.56
Equipment Fault	33.33%	32.91%	2.34%	3.30%
Wind	6.49%	0.50%	21.60%	1.98%
Small Animal	7.84%	17.59%	1.85%	3.30%
Squirrel	0.14%	0.50%	0.09%	0.44%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	0.11%	0.17%	0.00%	0.00%
Deterioration	0.00%	0.00%	0.00%	0.00%
Scheduled	2.85%	2.93%	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	0.26%	0.50%	0.00%	0.00%
Tree - ROW	14.06%	16.26%	46.85%	64.61%
Lightning	3.20%	8.79%	0.59%	0.88%
Tree - Non ROW	31.72%	19.85%	26.68%	25.49%
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	0.00%	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. R/W addressed at time of the outage. No corrections needed at this time.

6-114

Substation Name and Number Fayette2 6
 Substation Location 2442 Armstrong Mill Rd Lexington, KY 40515
 Circuit Name and Number Fayette2 114
 Circuit Location Winding Wood/Pleasant Grove
 Total Circuit Length (Miles) 3.19
 2023 Member Count 692
 Date Of Last Trim 2020

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	86.89	0.42	395.51	1.01
Equipment Fault	1.39%	1.87%	0.00%	0.00%
Wind	0.00%	0.00%	0.00%	0.00%
Small Animal	0.29%	1.04%	0.00%	0.00%
Squirrel	0.06%	0.28%	0.05%	0.29%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	0.04%	0.14%	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	0.31%	0.35%	0.00%	0.00%
Tree - ROW	0.00%	0.00%	0.00%	0.00%
Lightning	0.22%	0.28%	0.24%	0.57%
Tree - Non ROW	97.69%	96.04%	99.71%	99.14%
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.

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 Sunrise
 Total Circuit Length (Miles) 141.2
 2023 Member Count 787
 Date Of Last Trim 2017

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	188.74	1.38	412.31	3.20
Equipment Fault	25.38%	19.16%	51.67%	35.71%
Wind	6.80%	2.97%	9.66%	1.47%
Small Animal	3.69%	6.76%	5.10%	7.50%
Squirrel	0.10%	0.28%	0.16%	0.38%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	5.56%	6.54%	1.09%	1.87%
Deterioration	14.17%	5.32%	0.04%	0.12%
Scheduled	11.27%	13.65%	18.28%	19.41%
Power Supplier	2.74%	14.50%	0.00%	0.00%
Bird	0.00%	0.00%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	0.65%	0.46%	0.20%	0.08%
Tree - ROW	1.71%	0.47%	0.08%	0.08%
Lightning	4.24%	2.95%	0.30%	0.36%
Tree - Non ROW	18.67%	12.32%	1.80%	1.19%
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	5.02%	14.62%	11.62%	31.83%
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 outage. 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
 2023 Member Count 70
 Date Of Last Trim 2022

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	60.84	0.53	88.74	0.80
Equipment Fault	19.19%	11.54%	0.00%	0.00%
Wind	10.88%	15.93%	36.72%	51.79%
Small Animal	2.67%	7.14%	0.00%	0.00%
Squirrel	1.78%	1.66%	6.00%	5.36%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	5.88%	7.69%	0.00%	0.00%
Deterioration	0.00%	0.00%	0.00%	0.00%
Scheduled	2.87%	3.85%	9.71%	12.50%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	9.48%	7.69%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	2.68%	1.65%	9.03%	5.35%
Tree - ROW	6.07%	8.24%	0.00%	0.00%
Lightning	37.54%	34.06%	38.54%	25.00%
Tree - Non ROW	0.96%	0.55%	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.

36-124

Substation Name and Number Headquarters 36
 Substation Location 2195 Saltwell Headquarters Rd, Carlisle, KY 40311
 Circuit Name and Number Headquarters 124
 Circuit Location Colville
 Total Circuit Length (Miles) 30.4
 2023 Member Count 181
 Date Of Last Trim 2023

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	258.51	1.25	633.27	1.13
Equipment Fault	18.03%	21.08%	0.00%	0.00%
Wind	51.78%	33.60%	98.05%	91.22%
Small Animal	0.79%	3.70%	0.10%	0.98%
Squirrel	0.09%	0.26%	0.18%	1.46%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	0.44%	1.15%	0.00%	0.00%
Deterioration	0.19%	0.35%	0.28%	0.98%
Scheduled	4.18%	13.58%	0.33%	0.98%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.07%	0.26%	0.14%	1.46%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	0.97%	0.97%	0.00%	0.00%
Tree - ROW	3.39%	4.76%	0.00%	0.00%
Lightning	17.68%	14.29%	0.92%	2.92%
Tree - Non ROW	2.39%	6.00%	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.

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
 2023 Member Count 397
 Date Of Last Trim 2020

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	148.08	1.08	166.71	0.94
Equipment Fault	18.26%	16.58%	56.74%	60.75%
Wind	15.22%	22.03%	0.39%	0.54%
Small Animal	3.02%	5.49%	0.42%	0.81%
Squirrel	1.05%	1.72%	3.23%	6.72%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	1.32%	1.58%	0.00%	0.00%
Deterioration	0.41%	0.24%	1.31%	1.08%
Scheduled	1.54%	6.16%	2.21%	10.22%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.03%	0.19%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	0.05%	0.05%	0.00%	0.00%
Tree - ROW	1.61%	1.77%	0.00%	0.00%
Lightning	11.35%	8.74%	26.00%	9.66%
Tree - Non ROW	46.14%	35.45%	9.70%	10.22%
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 outage. 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 124
 Circuit Location Muddy Creek
 Total Circuit Length (Miles) 45.88
 2023 Member Count 778
 Date Of Last Trim 2023

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	63.13	0.68	64.34	0.61
Equipment Fault	19.74%	11.41%	59.92%	34.18%
Wind	3.35%	1.88%	0.00%	0.00%
Small Animal	9.78%	12.72%	6.34%	11.60%
Squirrel	2.31%	2.34%	11.07%	12.45%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	5.76%	7.80%	2.52%	5.06%
Deterioration	3.94%	2.07%	0.00%	0.00%
Scheduled	3.18%	3.73%	1.22%	1.27%
Power Supplier	26.24%	29.43%	0.00%	0.00%
Bird	0.02%	0.04%	0.09%	0.21%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	0.95%	1.58%	0.12%	0.21%
Tree - ROW	7.12%	8.72%	15.20%	26.37%
Lightning	6.46%	4.23%	3.52%	8.65%
Tree - Non ROW	10.34%	12.72%	0.00%	0.00%
Large Animal	0.81%	1.33%	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 outage. 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
 2023 Member Count 1152
 Date Of Last Trim 2019

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	94.26	0.91	105.39	0.63
Equipment Fault	10.08%	9.12%	2.02%	1.93%
Wind	2.04%	1.78%	3.59%	2.35%
Small Animal	11.88%	19.38%	2.84%	6.77%
Squirrel	0.81%	1.20%	3.13%	7.60%
Ice/Snow	3.25%	1.18%	0.00%	0.00%
Unknown Cause	7.40%	8.73%	7.50%	15.19%
Deterioration	0.69%	0.31%	0.00%	0.00%
Scheduled	2.64%	3.15%	0.97%	2.07%
Power Supplier	17.18%	22.01%	0.00%	0.00%
Bird	0.00%	0.00%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	9.14%	11.28%	6.65%	4.01%
Tree - ROW	7.80%	5.68%	13.36%	9.39%
Lightning	6.61%	4.06%	24.24%	19.48%
Tree - Non ROW	20.46%	12.10%	35.62%	31.07%
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	0.02%	0.02%	0.08%	0.14%
	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 154
 Circuit Location North-City Of Berea
 Total Circuit Length (Miles) 13.1
 2023 Member Count 468
 Date Of Last Trim 2018

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	152.61	1.30	271.05	1.22
Equipment Fault	1.90%	2.04%	2.87%	6.98%
Wind	15.36%	19.47%	2.19%	0.35%
Small Animal	3.82%	9.40%	0.00%	0.00%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Squirrel	0.61%	1.85%	0.00%	0.00%
Unknown Cause	4.05%	5.36%	1.51%	7.50%
Deterioration	0.03%	0.03%	0.09%	0.17%
Scheduled	0.21%	0.47%	0.19%	0.70%
Power Supplier	10.70%	15.62%	0.00%	0.00%
Bird	0.00%	0.00%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	3.00%	2.41%	0.00%	0.00%
Tree - ROW	39.38%	26.44%	91.94%	82.90%
Lightning	3.95%	7.64%	0.17%	0.52%
Tree - Non ROW	16.87%	8.95%	1.04%	0.88%
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	0.12%	0.32%	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 2024.

2-134

Substation Name and Number Holloway 2
 Substation Location 6447 Harrodsburg Rd, Nicholasville, KY 40356
 Circuit Name and Number Holloway 134
 Circuit Location Keene-Troy Rd
 Total Circuit Length (Miles) 37.35
 2023 Member Count 430
 Date Of Last Trim 2019

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	127.56	0.93	166.51	0.66
Equipment Fault	3.06%	4.06%	1.52%	4.56%
Wind	11.21%	3.85%	41.45%	25.26%
Small Animal	8.50%	8.42%	0.25%	1.05%
Squirrel	6.63%	22.10%	1.37%	6.67%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	1.45%	2.39%	2.01%	5.61%
Deterioration	0.96%	1.98%	0.00%	0.00%
Scheduled	0.61%	0.99%	0.80%	3.52%
Power Supplier	18.50%	22.10%	0.00%	0.00%
Bird	0.77%	1.46%	0.04%	0.35%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	0.59%	0.94%	0.00%	0.00%
Tree - ROW	9.31%	8.27%	30.19%	29.47%
Lightning	2.53%	2.13%	8.27%	9.47%
Tree - Non ROW	35.85%	21.26%	14.10%	14.04%
Large Animal	0.03%	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	0.00%	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.

2-144

Substation Name and Number Holloway 2
 Substation Location 6447 Harrodsburg Rd, Nicholasville, KY 40356
 Circuit Name and Number Holloway 144
 Circuit Location Southland C.C.
 Total Circuit Length (Miles) 29.84
 2023 Member Count 397
 Date Of Last Trim 2018

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	143.21	0.79	497.45	1.30
Equipment Fault	5.58%	4.80%	4.35%	5.81%
Wind	2.19%	2.05%	1.87%	1.16%
Small Animal	3.22%	8.20%	0.58%	3.10%
Squirrel	5.22%	24.98%	0.00%	0.00%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	1.22%	3.78%	1.01%	6.98%
Deterioration	0.08%	0.19%	0.00%	0.00%
Scheduled	1.13%	1.35%	1.63%	4.07%
Power Supplier	16.34%	25.62%	0.00%	0.00%
Bird	0.20%	0.64%	0.12%	0.78%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	1.48%	1.99%	0.05%	0.19%
Tree - ROW	61.47%	25.75%	88.30%	77.52%
Lightning	0.05%	0.06%	0.00%	0.00%
Tree - Non ROW	1.74%	0.46%	2.09%	0.39%
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	0.08%	0.13%	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 2024.

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
 2023 Member Count 156
 Date Of Last Trim 2021

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	124.10	0.79	331.49	1.54
Equipment Fault	0.15%	0.16%	0.00%	0.00%
Wind	26.83%	10.38%	45.73%	20.75%
Small Animal	0.10%	0.33%	0.00%	0.00%
Squirrel	0.05%	0.16%	0.00%	0.00%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	7.00%	14.33%	7.83%	18.67%
Deterioration	0.00%	0.00%	0.00%	0.00%
Scheduled	0.35%	0.82%	0.00%	0.00%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	7.52%	7.08%	8.11%	9.13%
Overload	0.07%	0.16%	0.00%	0.00%
Public Accident	12.77%	24.05%	0.00%	0.00%
Tree - ROW	0.00%	0.00%	0.00%	0.00%
Lightning	23.18%	23.72%	38.25%	51.04%
Tree - Non ROW	9.08%	7.74%	0.08%	0.41%
Large Animal	12.90%	11.07%	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.

39-114

Substation Name and Number Jacksonville 39
 Substation Location 1386 Russell Cave Rd, Cynthiana, KY 41031
 Circuit Name and Number Jacksonville 114
 Circuit Location Bourbon Acres
 Total Circuit Length (Miles) 93.4
 2023 Member Count 642
 Date Of Last Trim 2020

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	116.70	1.00	132.52	0.71
Equipment Fault	14.04%	20.70%	0.57%	0.44%
Wind	14.90%	8.50%	46.79%	30.70%
Small Animal	1.94%	2.84%	1.28%	2.63%
Squirrel	0.42%	0.65%	0.58%	1.32%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	6.33%	4.70%	13.67%	11.18%
Deterioration	1.47%	2.29%	0.00%	0.00%
Scheduled	2.20%	3.89%	2.31%	3.95%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.04%	0.09%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	2.51%	3.55%	3.18%	8.99%
Tree - ROW	9.49%	9.24%	29.95%	39.04%
Lightning	28.74%	29.97%	1.47%	1.53%
Tree - Non ROW	16.20%	10.78%	0.20%	0.22%
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	0.94%	0.59%	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.

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
 2023 Member Count 215
 Date Of Last Trim 2019

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	134.49	1.11	252.30	2.14
Equipment Fault	15.62%	21.39%	0.00%	0.00%
Wind	22.38%	12.23%	29.72%	10.20%
Small Animal	1.96%	2.99%	0.95%	1.08%
Squirrel	0.56%	0.94%	0.43%	0.65%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	9.91%	8.38%	17.45%	10.85%
Deterioration	17.77%	4.62%	0.00%	0.00%
Scheduled	1.15%	1.45%	2.65%	3.04%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.10%	0.17%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	0.07%	0.43%	0.00%	0.00%
Tree - ROW	3.57%	4.79%	0.00%	0.00%
Lightning	22.92%	36.18%	47.98%	73.32%
Tree - Non ROW	2.83%	3.85%	0.00%	0.00%
Large Animal	0.74%	0.86%	0.82%	0.86%
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	0.42%	1.72%	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.

34-104

Substation Name and Number Lees Lick 34
 Substation Location Hwy 1842, Cynthiana, KY 41031
 Circuit Name and Number Lees Lick 104
 Circuit Location Rutland Rd/KY Hwy 356
 Total Circuit Length (Miles) 64.17
 2023 Member Count 473
 Date Of Last Trim 2023

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	73.15	0.71	111.87	0.82
Equipment Fault	1.07%	0.58%	2.14%	1.54%
Wind	23.69%	13.94%	43.57%	29.82%
Small Animal	9.46%	8.71%	14.15%	15.68%
Squirrel	0.85%	1.26%	1.34%	2.57%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	35.67%	45.69%	0.00%	0.00%
Deterioration	0.00%	0.00%	0.00%	0.00%
Scheduled	1.49%	5.42%	2.92%	14.14%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	2.04%	2.13%	4.07%	5.66%
Overload	10.29%	10.26%	7.71%	13.11%
Public Accident	0.00%	0.00%	0.00%	0.00%
Tree - ROW	0.00%	0.00%	0.00%	0.00%
Lightning	5.97%	1.94%	11.59%	4.88%
Tree - Non ROW	8.52%	9.39%	12.51%	12.60%
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	0.95%	0.68%	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.

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
 2023 Member Count 216
 Date Of Last Trim 2021

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	111.99	1.18	121.65	0.48
Equipment Fault	9.41%	5.46%	2.20%	3.88%
Wind	9.28%	3.29%	33.05%	2.91%
Small Animal	5.92%	7.27%	0.00%	0.00%
Squirrel	9.45%	22.57%	1.27%	3.88%
Ice/Snow	5.03%	2.47%	0.00%	0.00%
Unknown Cause	10.23%	8.92%	0.00%	0.00%
Deterioration	7.85%	2.96%	0.00%	0.00%
Scheduled	6.42%	6.09%	0.71%	2.91%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.10%	0.13%	0.30%	0.97%
Overload	0.05%	0.10%	0.00%	0.00%
Public Accident	4.36%	4.15%	0.00%	0.00%
Tree - ROW	12.72%	5.92%	20.10%	23.30%
Lightning	10.94%	6.02%	19.36%	38.83%
Tree - Non ROW	5.61%	3.10%	23.01%	23.32%
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	2.60%	21.52%	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.

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 Sadievile Rd
 Total Circuit Length (Miles) 100.75
 2023 Member Count 658
 Date Of Last Trim 2021

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	269.03	1.79	395.62	2.40
Equipment Fault	0.62%	0.47%	0.85%	0.70%
Wind	16.44%	8.55%	7.76%	7.66%
Small Animal	0.05%	0.13%	0.07%	0.19%
Squirrel	4.75%	3.06%	6.34%	4.31%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	21.12%	34.35%	7.84%	8.30%
Deterioration	0.20%	0.34%	0.28%	0.51%
Scheduled	15.41%	19.56%	20.63%	28.50%
Power Supplier	0.04%	0.09%	0.05%	0.13%
Bird	0.02%	0.04%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	2.54%	2.08%	3.46%	3.10%
Tree - ROW	0.00%	0.00%	0.00%	0.00%
Lightning	25.53%	16.75%	34.67%	24.89%
Tree - Non ROW	11.14%	7.10%	15.14%	10.58%
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	2.14%	7.48%	2.91%	11.13%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Schedule and storm related outages. No corrections needed at this time.

25-114

Substation Name and Number Mercer Co. 25
Substation Location Industry Rd, Harrodsburg, KY 40330
Circuit Name and Number Mercer Co. 114
Circuit Location Cornishville Rd
Total Circuit Length (Miles) 28.42
2023 Member Count 266
Date Of Last Trim 2021

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	65.24	0.6500	117.76	1.1700
Equipment Fault	10.56%	7.90%	0.00%	0.00%
Wind	10.75%	7.19%	8.42%	0.32%
Small Animal	21.98%	30.66%	39.54%	46.62%
Squirrel	1.44%	2.83%	3.91%	7.72%
Ice/Snow	0.01%	0.12%	0.00%	0.00%
Unknown Cause	2.85%	3.18%	0.00%	0.00%
Deterioration	0.26%	0.35%	0.00%	0.00%
Scheduled	0.66%	0.83%	0.54%	1.29%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	5.31%	6.49%	14.40%	17.68%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	3.62%	2.83%	9.81%	7.72%
Tree - ROW	10.19%	10.61%	0.00%	0.00%
Lightning	13.78%	11.91%	23.38%	18.65%
Tree - Non ROW	18.59%	15.10%	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 2024.

38-114

Substation Name and Number Millersburg 38
 Substation Location 1024 Miller Station Rd, Carlisle, KY 40311
 Circuit Name and Number Millersburg 114
 Circuit Location Little Rock
 Total Circuit Length (Miles) 89.8
 2023 Member Count 488
 Date Of Last Trim 2021

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	339.13	1.65	736.75	2.85
Equipment Fault	28.02%	21.89%	38.51%	36.09%
Wind	29.42%	20.21%	54.26%	43.35%
Small Animal	1.32%	2.58%	0.04%	0.14%
Squirrel	0.10%	0.25%	0.06%	0.29%
Ice/Snow	1.78%	2.98%	0.00%	0.00%
Unknown Cause	1.99%	4.26%	1.86%	4.82%
Deterioration	2.29%	2.68%	0.00%	0.00%
Scheduled	1.21%	2.86%	1.88%	5.32%
Power Supplier	9.54%	12.34%	0.00%	0.00%
Bird	0.04%	0.10%	0.02%	0.07%
Overload	0.03%	0.10%	0.00%	0.00%
Public Accident	3.45%	4.04%	0.00%	0.00%
Tree - ROW	6.55%	7.65%	0.12%	0.14%
Lightning	5.79%	5.84%	3.07%	3.81%
Tree - Non ROW	8.33%	11.89%	0.18%	5.97%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	0.04%	0.05%	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%	0.28%	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.

38-124

Substation Name and Number Millersburg 38
 Substation Location 1024 Miller Station Rd, Carlisle, KY 40311
 Circuit Name and Number Millersburg 124
 Circuit Location Taylors Creek
 Total Circuit Length (Miles) 34.9
 2023 Member Count 381
 Date Of Last Trim 2023

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	228.70	1.84	534.58	2.80
Equipment Fault	1.20%	5.52%	0.00%	0.00%
Wind	14.81%	9.95%	27.82%	29.77%
Small Animal	4.22%	6.25%	1.27%	2.63%
Squirrel	1.14%	1.19%	0.29%	0.75%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	3.13%	4.05%	0.77%	1.22%
Deterioration	2.70%	5.73%	0.00%	0.00%
Scheduled	6.60%	13.82%	4.03%	8.08%
Power Supplier	14.01%	11.02%	0.00%	0.00%
Bird	0.14%	0.14%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	17.37%	10.90%	31.34%	23.10%
Tree - ROW	6.05%	8.01%	2.77%	7.23%
Lightning	2.52%	2.20%	2.40%	1.31%
Tree - Non ROW	28.88%	17.61%	29.31%	25.91%
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	0.23%	3.61%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	103.00%	100.00%	100.00%	100.00%

Corrections to be made:

Storm related and 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 104
 Circuit Location Hickory Hill
 Total Circuit Length (Miles) 15.6
 2023 Member Count 257
 Date Of Last Trim 2023

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	159.49	1.20	225.06	1.09
Equipment Fault	1.45%	0.65%	0.70%	0.71%
Wind	9.17%	6.33%	8.90%	5.71%
Small Animal	5.54%	12.35%	0.00%	0.00%
Squirrel	0.00%	0.00%	0.00%	0.00%
Ice/Snow	0.84%	2.13%	0.00%	0.00%
Unknown Cause	3.73%	6.46%	0.00%	0.00%
Deterioration	0.00%	0.00%	0.00%	0.00%
Scheduled	0.33%	0.58%	1.04%	2.14%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.86%	1.81%	3.06%	10.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	0.00%	0.00%	0.00%	0.00%
Tree - ROW	48.15%	37.10%	8.93%	17.50%
Lightning	8.15%	7.50%	24.80%	31.43%
Tree - Non ROW	21.76%	25.03%	52.57%	32.51%
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	0.02%	0.06%	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.

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
 2023 Member Count 533
 Date Of Last Trim 2018

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	36.75	0.46	66.60	0.76
Equipment Fault	17.55%	30.51%	39.05%	44.33%
Wind	0.00%	0.00%	0.00%	0.00%
Small Animal	3.75%	3.75%	8.47%	8.87%
Squirrel	0.10%	0.16%	0.00%	0.00%
Ice/Snow	0.11%	0.08%	0.00%	0.00%
Unknown Cause	3.54%	3.51%	0.12%	0.25%
Deterioration	0.47%	0.40%	0.00%	0.00%
Scheduled	4.07%	4.71%	2.16%	2.22%
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	1.02%	1.76%	0.00%	0.00%
Tree - ROW	28.10%	20.53%	0.00%	0.00%
Lightning	21.66%	18.53%	50.20%	44.33%
Tree - Non ROW	19.63%	16.06%	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. Equipment repaired at time of the outage. No other corrections needed at

1-114

Substation Name and Number Nicholasville 1
 Substation Location 1049 Bethany Rd, Nicholasville, KY 40356
 Circuit Name and Number Nicholasville 114
 Circuit Location Mackey Pike/McLane
 Total Circuit Length (Miles) 20.65
 2023 Member Count 236
 Date Of Last Trim 2018

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	123.01	1.68	309.57	4.22
Equipment Fault	0.81%	0.51%	0.50%	0.20%
Wind	1.40%	1.02%	0.00%	0.00%
Small Animal	8.91%	14.94%	0.22%	0.20%
Squirrel	0.63%	1.12%	0.00%	0.00%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	19.92%	41.97%	9.44%	47.74%
Deterioration	0.16%	0.05%	0.00%	0.00%
Scheduled	3.33%	1.47%	0.29%	0.20%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.39%	0.61%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	1.41%	0.71%	0.00%	0.00%
Tree - ROW	29.65%	15.90%	53.23%	26.63%
Lightning	15.94%	13.37%	27.90%	23.82%
Tree - Non ROW	17.45%	8.33%	8.42%	1.21%
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. To be trimmed in 2024.

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
 2023 Member Count 566
 Date Of Last Trim 2019

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	65.15	0.54	227.43	1.48
Equipment Fault	3.99%	7.16%	5.86%	8.18%
Wind	0.86%	1.57%	0.94%	1.96%
Small Animal	7.49%	13.27%	2.38%	7.25%
Squirrel	0.28%	0.50%	0.10%	0.17%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	8.49%	13.35%	6.57%	8.10%
Deterioration	0.90%	1.84%	0.54%	1.71%
Scheduled	6.24%	6.93%	0.72%	1.71%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.42%	0.60%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	2.92%	2.44%	1.50%	1.36%
Tree - ROW	6.50%	6.51%	8.24%	9.38%
Lightning	4.71%	4.52%	9.26%	10.39%
Tree - Non ROW	57.15%	41.26%	63.89%	49.79%
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	0.05%	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:

To be trimmed in 2024.

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
 2023 Member Count 154
 Date Of Last Trim 2019

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	97.53	0.58	170.98	0.32
Equipment Fault	7.34%	10.55%	0.00%	0.00%
Wind	28.31%	6.71%	65.15%	32.65%
Small Animal	9.25%	16.79%	0.48%	4.08%
Squirrel	0.09%	0.48%	0.00%	0.00%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	10.75%	17.99%	11.26%	24.49%
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	0.72%	2.88%	0.22%	2.04%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	32.79%	34.05%	0.00%	0.00%
Tree - ROW	1.55%	3.12%	0.00%	0.00%
Lightning	0.10%	0.24%	0.00%	0.00%
Tree - Non ROW	9.10%	7.19%	22.89%	36.74%
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.

22-114

Substation Name and Number Ninevah 22
 Substation Location 1746 Clifton Rd, Lawrenceburg, KY 40342
 Circuit Name and Number Ninevah 114
 Circuit Location Wildcat
 Total Circuit Length (Miles) 45.3
 2023 Member Count 416
 Date Of Last Trim 2023

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	113.73	1.28	323.24	3.63
Equipment Fault	1.80%	2.71%	0.37%	0.40%
Wind	15.47%	4.27%	19.63%	3.97%
Small Animal	18.51%	27.01%	25.74%	31.61%
Squirrel	0.08%	0.16%	0.05%	0.13%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	0.95%	1.64%	1.61%	2.65%
Deterioration	3.27%	2.01%	5.32%	2.65%
Scheduled	0.50%	0.78%	0.37%	0.73%
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	0.12%	0.12%	0.00%	0.00%
Tree - ROW	7.30%	7.92%	0.00%	0.00%
Lightning	3.67%	4.35%	0.07%	0.07%
Tree - Non ROW	39.73%	29.97%	36.12%	29.76%
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	1.67%	1.48%	0.00%	0.00%
Contractor	6.35%	17.41%	10.72%	28.03%
Flash Flood	0.58%	0.17%	0.00%	0.00%
	100.00%	100.00%	100.00%	100.00%

Corrections to be made:

Storm related outages. Animal guards to be installed in 2024.

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
 2023 Member Count 127
 Date Of Last Trim 2018

5 Year Average 2023
SAIDI SAIFI SAIDI SAIFI

Total Minutes/Frequency	7.58	0.11	15.93	0.19
Equipment Fault	3.75%	2.90%	0.00%	0.00%
Wind	12.32%	5.80%	9.24%	4.17%
Small Animal	14.61%	27.54%	0.00%	0.00%
Squirrel	0.85%	1.45%	2.03%	4.17%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	1.02%	1.45%	2.42%	4.17%
Deterioration	2.00%	4.35%	2.08%	4.17%
Scheduled	16.86%	23.19%	30.05%	50.00%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	12.19%	10.14%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	12.42%	5.80%	0.00%	0.00%
Tree - ROW	22.84%	11.59%	54.18%	33.32%
Lightning	0.00%	0.00%	0.00%	0.00%
Tree - Non ROW	1.14%	5.79%	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.

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
 2023 Member Count 999
 Date Of Last Trim 2023

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	121.20	1.30	202.50	2.50
Equipment Fault	23.11%	28.31%	51.07%	59.81%
Wind	12.46%	6.82%	8.25%	3.16%
Small Animal	6.42%	10.82%	1.16%	1.72%
Squirrel	0.14%	0.33%	0.41%	0.84%
Ice/Snow	0.79%	2.36%	0.00%	0.00%
Unknown Cause	9.44%	9.95%	22.28%	19.74%
Deterioration	0.13%	0.16%	0.04%	0.08%
Scheduled	3.75%	4.42%	8.89%	9.61%
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	0.57%	0.89%	0.74%	0.80%
Tree - ROW	10.39%	8.73%	2.95%	1.28%
Lightning	5.29%	5.36%	1.75%	1.08%
Tree - Non ROW	27.50%	21.82%	2.43%	1.80%
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%	0.03%	0.03%	0.08%
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 outage. No corrections needed at this time.

22-144

Substation Name and Number Ninevah 22
 Substation Location 1746 Clifton Rd, Lawrenceburg, KY 40342
 Circuit Name and Number Ninevah 144
 Circuit Location Clifton Rd
 Total Circuit Length (Miles) 8.77
 2023 Member Count 54
 Date Of Last Trim 2018

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	43.98	0.72	158.28	2.19
Equipment Fault	11.39%	14.89%	0.00%	0.00%
Wind	0.47%	0.53%	0.00%	0.00%
Small Animal	15.11%	22.34%	0.57%	0.85%
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	60.74%	32.98%	82.70%	52.54%
Tree - Non ROW	12.29%	29.26%	16.73%	46.61%
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.

15-134

Substation Name and Number North Madison 15
 Substation Location 2064 Jacks Creek Pike, Richmond, KY 40475
 Circuit Name and Number North Madison 134
 Circuit Location Tates Creek
 Total Circuit Length (Miles) 31.59
 2023 Member Count 248
 Date Of Last Trim 2023

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	178.37	1.32	347.96	1.73
Equipment Fault	10.48%	8.48%	6.71%	6.99%
Wind	21.07%	7.22%	51.54%	24.94%
Small Animal	4.50%	5.23%	0.07%	0.23%
Squirrel	0.00%	0.00%	0.00%	0.00%
Ice/Snow	1.27%	1.50%	0.00%	0.00%
Unknown Cause	7.93%	21.11%	0.00%	0.00%
Deterioration	0.00%	0.00%	0.00%	0.00%
Scheduled	2.47%	2.83%	3.97%	7.93%
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	24.66%	27.24%	0.00%	0.00%
Lightning	1.53%	1.14%	3.36%	3.50%
Tree - Non ROW	26.09%	25.25%	34.35%	56.41%
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	0.00%	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
 2023 Member Count 374
 Date Of Last Trim 2019

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	179.96	1.17	457.28	2.28
Equipment Fault	6.10%	7.21%	2.90%	2.46%
Wind	32.00%	6.50%	60.68%	15.49%
Small Animal	1.34%	2.28%	0.07%	0.23%
Squirrel	5.85%	7.31%	9.50%	13.38%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	7.38%	8.21%	0.03%	0.12%
Deterioration	0.19%	0.33%	0.32%	0.70%
Scheduled	6.20%	10.96%	10.00%	21.24%
Power Supplier	19.33%	34.27%	15.10%	43.31%
Bird	0.14%	0.19%	0.20%	0.23%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	0.94%	0.90%	0.00%	0.00%
Tree - ROW	0.62%	1.72%	0.16%	1.53%
Lightning	19.59%	19.98%	0.51%	1.06%
Tree - Non ROW	0.32%	0.14%	0.53%	0.25%
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 power supplier outages. No corrections needed at this time.

40-124

Substation Name and Number Oxford 40
 Substation Location 3466 Cynthiana Rd, Georgetown, KY 40324
 Circuit Name and Number Oxford 124
 Circuit Location Cherry Blossom
 Total Circuit Length (Miles) 23.5
 2023 Member Count 343
 Date Of Last Trim 2022

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	36.42	0.24	52.61	0.32
Equipment Fault	11.06%	4.47%	0.00%	0.00%
Wind	4.78%	4.87%	1.82%	0.22%
Small Animal	14.28%	16.18%	17.11%	13.97%
Squirrel	0.43%	0.79%	0.00%	0.00%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	0.65%	0.92%	0.00%	0.00%
Deterioration	1.58%	1.18%	0.00%	0.00%
Scheduled	11.97%	7.39%	23.04%	9.25%
Power Supplier	28.38%	46.71%	57.58%	76.34%
Bird	0.00%	0.00%	0.00%	0.00%
Overload	5.91%	4.47%	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	18.74%	11.05%	0.45%	0.22%
Tree - Non ROW	2.22%	1.97%	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.

40-134

Substation Name and Number Oxford 40
 Substation Location 3466 Cynthiana Rd, Georgetown, KY 40324
 Circuit Name and Number Oxford 134
 Circuit Location BCTC
 Total Circuit Length (Miles) 32.9
 2023 Member Count 324
 Date Of Last Trim 2022

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	376.92	2.50	737.46	4.11
Equipment Fault	2.28%	3.04%	2.28%	2.85%
Wind	23.53%	23.15%	2.49%	3.53%
Small Animal	0.55%	1.57%	0.30%	0.83%
Squirrel	1.12%	2.13%	2.58%	5.86%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	1.24%	2.31%	1.19%	2.78%
Deterioration	0.03%	0.05%	0.04%	0.08%
Scheduled	0.57%	0.94%	0.52%	1.05%
Power Supplier	9.09%	15.77%	9.33%	24.27%
Bird	4.35%	8.55%	10.29%	22.54%
Overload	0.01%	0.05%	0.00%	0.00%
Public Accident	0.97%	1.70%	0.00%	0.00%
Tree - ROW	0.61%	0.79%	0.00%	0.00%
Lightning	20.71%	6.80%	51.65%	19.98%
Tree - Non ROW	34.78%	32.72%	19.33%	16.23%
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	0.00%	0.00%	0.00%	0.00%
Contractor	0.16%	0.43%	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, storms, and equipment repaired at time of outage. No corrections needed at this time.

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
 2023 Member Count 357
 Date Of Last Trim 2023

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	438.34	2.20	751.70	2.91
Equipment Fault	4.18%	7.16%	0.30%	0.96%
Wind	4.67%	4.94%	4.46%	5.49%
Small Animal	3.04%	7.28%	0.95%	2.60%
Squirrel	0.05%	0.17%	0.02%	0.10%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	0.56%	1.12%	0.32%	1.83%
Deterioration	1.10%	1.43%	0.00%	0.00%
Scheduled	2.62%	10.32%	0.38%	0.96%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.00%	0.00%	0.00%	0.00%
Overload	0.15%	0.17%	0.00%	0.00%
Public Accident	5.38%	6.33%	0.00%	0.00%
Tree - ROW	3.45%	5.25%	1.76%	3.27%
Lightning	5.75%	6.85%	2.68%	1.25%
Tree - Non ROW	69.03%	48.91%	89.10%	83.44%
Large Animal	0.01%	0.05%	0.00%	0.00%
Fire	0.01%	0.02%	0.03%	0.10%
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.

28-134

Substation Name and Number Powell Taylor 28
Substation Location 1024 Powell Taylor Rd, Lawrenceburg, KY 40342
Circuit Name and Number Powell Taylor 134
Circuit Location Walmart/Briar Creek
Total Circuit Length (Miles) 10.9
2023 Member Count 363
Date Of Last Trim 2017

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	25.48	0.38	67.61	1.06
Equipment Fault	18.45%	10.46%	0.00%	0.00%
Wind	7.81%	5.08%	0.00%	0.00%
Small Animal	17.82%	25.56%	2.47%	2.87%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Squirrel	0.00%	0.00%	0.00%	0.00%
Unknown Cause	1.11%	1.79%	0.00%	0.00%
Deterioration	0.00%	0.00%	0.00%	0.00%
Scheduled	2.33%	2.24%	1.74%	2.09%
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	52.10%	54.57%	95.79%	95.04%
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	0.38%	0.30%	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.

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
 2023 Member Count 216
 Date Of Last Trim 2017

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	48.47	0.66	124.25	1.63
Equipment Fault	5.47%	2.64%	1.11%	1.42%
Wind	7.03%	3.67%	9.03%	1.14%
Small Animal	37.31%	40.41%	13.64%	15.10%
Squirrel	6.79%	12.86%	5.23%	7.12%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	0.00%	0.00%	0.00%	0.00%
Deterioration	0.58%	0.80%	0.00%	0.00%
Scheduled	6.65%	6.89%	9.68%	5.70%
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	1.46%	0.80%	0.00%	0.00%
Tree - ROW	0.00%	0.00%	0.00%	0.00%
Lightning	10.48%	3.79%	15.10%	6.27%
Tree - Non ROW	24.23%	28.14%	46.21%	63.25%
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:

No corrections needed at this time.

23-124

Substation Name and Number Sinai 23
 Substation Location HWY 62, Lawrenceburg, KY 40342
 Circuit Name and Number Sinai 124
 Circuit Location Beaver Lake/HWY 53
 Total Circuit Length (Miles) 100.4
 2023 Member Count 838
 Date Of Last Trim 2017

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	265.39	2.03	620.14	4.94
Equipment Fault	13.88%	22.91%	7.73%	20.58%
Wind	13.33%	11.68%	10.51%	9.55%
Small Animal	6.90%	10.72%	2.31%	3.41%
Squirrel	7.97%	1.30%	15.31%	2.18%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	0.11%	0.21%	0.18%	0.34%
Deterioration	18.57%	12.42%	33.94%	20.41%
Scheduled	0.75%	0.96%	1.04%	1.09%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.02%	0.04%	0.01%	0.02%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	0.03%	0.03%	0.00%	0.00%
Tree - ROW	3.29%	4.67%	0.01%	0.02%
Lightning	1.63%	1.90%	1.18%	1.21%
Tree - Non ROW	32.51%	22.04%	25.83%	20.79%
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	1.01%	11.12%	1.95%	20.40%
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.

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
 2023 Member Count 367
 Date Of Last Trim 2019

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	151.86	1.27	279.51	1.93
Equipment Fault	14.41%	13.95%	27.90%	24.75%
Wind	5.40%	1.00%	13.83%	1.84%
Small Animal	24.93%	24.25%	44.06%	53.47%
Squirrel	0.03%	0.04%	0.00%	0.00%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	1.29%	3.29%	3.33%	10.47%
Deterioration	0.11%	0.22%	0.00%	0.00%
Scheduled	4.20%	3.90%	10.09%	8.63%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.02%	0.04%	0.05%	0.14%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	26.79%	26.20%	0.00%	0.00%
Tree - ROW	0.30%	0.52%	0.00%	0.00%
Lightning	0.72%	0.43%	0.42%	0.57%
Tree - Non ROW	21.80%	26.16%	0.32%	0.13%
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:

Animal guards to be installed in 2024.

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

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
 2023 Member Count 508
 Date Of Last Trim 2018

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	117.63	1.06	177.09	1.28
Equipment Fault	13.62%	11.23%	1.50%	1.39%
Wind	7.92%	5.89%	4.55%	2.47%
Small Animal	5.42%	7.25%	1.87%	2.31%
Squirrel	0.04%	0.12%	0.00%	0.00%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	0.18%	0.28%	0.13%	0.15%
Deterioration	0.86%	0.72%	0.00%	0.00%
Scheduled	1.52%	1.87%	1.23%	3.70%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.02%	0.04%	0.05%	0.15%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	21.31%	21.42%	63.99%	79.20%
Tree - ROW	1.14%	1.27%	0.13%	0.31%
Lightning	5.08%	5.02%	4.82%	1.23%
Tree - Non ROW	26.67%	24.83%	21.73%	9.09%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	16.22%	20.06%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Contractor	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.

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
 2023 Member Count 385
 Date Of Last Trim 2019

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	358.06	2.46	506.56	1.54
Equipment Fault	1.04%	2.82%	1.09%	3.38%
Wind	30.63%	6.63%	79.26%	32.43%
Small Animal	3.67%	7.68%	2.14%	9.12%
Squirrel	0.42%	0.52%	1.10%	2.87%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	1.91%	2.91%	1.90%	5.41%
Deterioration	0.03%	0.09%	0.04%	0.34%
Scheduled	9.03%	14.66%	2.44%	22.13%
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	0.66%	1.77%	0.00%	0.00%
Tree - ROW	7.58%	11.29%	8.75%	13.01%
Lightning	2.29%	3.20%	2.69%	8.45%
Tree - Non ROW	41.05%	47.05%	0.59%	2.86%
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	1.69%	1.38%	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.

12-104

Substation Name and Number South Elkhorn 12
 Substation Location 3251 Keene Rd, Nicholasville, KY 40356
 Circuit Name and Number South Elkhorn 104
 Circuit Location Firebrook Blvd/Dogwood Trace
 Total Circuit Length (Miles) 22.17
 2023 Member Count 1083
 Date Of Last Trim 2019

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	97.92	1.21	103.80	1.05
Equipment Fault	23.71%	13.99%	31.88%	26.64%
Wind	0.00%	0.00%	0.00%	0.00%
Small Animal	12.63%	19.02%	0.00%	0.00%
Squirrel	0.69%	1.04%	3.08%	5.52%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	1.81%	3.32%	1.94%	2.02%
Deterioration	0.04%	0.06%	0.08%	0.18%
Scheduled	3.39%	2.76%	0.36%	0.26%
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	1.41%	3.07%	4.61%	15.60%
Lightning	8.56%	6.38%	39.48%	36.02%
Tree - Non ROW	47.76%	50.36%	18.57%	13.76%
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. To be trimmed in 2024.

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
2023 Member Count 436
Date Of Last Trim 2019

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	65.03	0.59	149.77	1.11
Equipment Fault	17.23%	8.22%	9.08%	4.15%
Wind	0.68%	0.62%	1.46%	1.66%
Small Animal	1.19%	2.78%	0.52%	1.04%
Squirrel	0.27%	0.47%	0.58%	1.24%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	2.26%	1.32%	0.09%	0.21%
Deterioration	0.00%	0.00%	0.00%	0.00%
Scheduled	3.23%	17.77%	0.07%	0.21%
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	40.82%	34.37%	88.20%	91.49%
Lightning	33.99%	33.98%	0.00%	0.00%
Tree - Non ROW	0.33%	0.47%	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:

To be trimmed in 2024.

12-134

Substation Name and Number South Elkhorn 12
Substation Location 3251 Keene Rd, Nicholasville, KY 40356
Circuit Name and Number South Elkhorn 134
Circuit Location Cambridge Ln
Total Circuit Length (Miles) 8.77
2023 Member Count 129
Date Of Last Trim 2018

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	3.29	0.05	3.43	0.07
Equipment Fault	0.00%	0.00%	0.00%	0.00%
Wind	0.00%	0.00%	0.00%	0.00%
Small Animal	10.93%	12.12%	52.49%	44.44%
Squirrel	4.62%	6.06%	22.17%	22.22%
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	1.98%	6.06%	9.50%	22.22%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	3.30%	3.03%	15.84%	11.12%
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	79.17%	72.73%	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 2024.

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
 2023 Member Count 52
 Date Of Last Trim 2023

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	15.75	0.16	44.71	0.60
Equipment Fault	0.00%	0.00%	0.00%	0.00%
Wind	0.00%	0.00%	0.00%	0.00%
Small Animal	2.75%	2.78%	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	4.03%	2.78%	5.42%	3.23%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	5.40%	2.78%	7.27%	3.23%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	0.00%	0.00%	0.00%	0.00%
Tree - ROW	1.82%	2.78%	0.00%	0.00%
Lightning	21.10%	8.33%	0.00%	0.00%
Tree - Non ROW	64.90%	80.55%	87.31%	93.54%
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	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.

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
 2023 Member Count 691
 Date Of Last Trim 2023

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	15.75	0.16	44.71	0.60
Equipment Fault	5.52%	5.27%	8.94%	11.56%
Wind	3.96%	1.43%	8.87%	3.83%
Small Animal	16.92%	19.70%	0.76%	2.10%
Squirrel	0.53%	0.63%	0.26%	0.68%
Ice/Snow	0.61%	0.18%	0.00%	0.00%
Unknown Cause	1.38%	2.03%	0.68%	1.95%
Deterioration	0.27%	0.35%	0.66%	1.58%
Scheduled	1.40%	1.90%	2.88%	7.58%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	8.61%	13.42%	0.54%	1.13%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	10.72%	19.70%	0.00%	0.00%
Tree - ROW	10.64%	8.48%	1.09%	2.18%
Lightning	5.82%	9.72%	0.03%	0.08%
Tree - Non ROW	33.44%	16.98%	74.89%	66.58%
Large Animal	0.04%	0.06%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.13%	0.12%	0.37%	0.60%
Contractor	0.01%	0.03%	0.03%	0.15%
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.

17-104

Substation Name and Number South Point 17
Substation Location Lauderdale Dr, Nicholasville, KY 40356
Circuit Name and Number South Point 104
Circuit Location Blackthorn/Little Leaf
Total Circuit Length (Miles) 5.6
2023 Member Count 184
Date Of Last Trim N/A

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	40.19	0.58	80.09	1.16
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	99.66%	99.53%	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	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	0.34%	0.47%	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 outage. No 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
 2023 Member Count 364
 Date Of Last Trim 2019

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	87.58	1.00	147.28	1.20
Equipment Fault	5.00%	3.31%	0.19%	0.23%
Wind	2.24%	2.02%	0.00%	0.00%
Small Animal	5.97%	7.90%	0.98%	2.76%
Squirrel	0.08%	0.17%	0.23%	0.69%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	0.05%	0.06%	0.00%	0.00%
Deterioration	0.30%	0.34%	0.10%	0.23%
Scheduled	12.16%	11.27%	1.30%	2.30%
Power Supplier	14.40%	20.07%	0.00%	0.00%
Bird	0.00%	0.00%	0.00%	0.00%
Overload	0.18%	0.22%	0.00%	0.00%
Public Accident	30.33%	20.96%	88.01%	84.83%
Tree - ROW	1.82%	1.91%	0.10%	0.23%
Lightning	21.68%	28.20%	4.40%	5.05%
Tree - Non ROW	4.06%	2.50%	0.00%	0.00%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	1.60%	0.90%	4.69%	3.68%
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	0.13%	0.17%	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.

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
 2023 Member Count 654
 Date Of Last Trim 2022

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	197.58	1.80	371.51	3.51
Equipment Fault	16.73%	13.33%	2.15%	1.13%
Wind	7.31%	3.85%	14.25%	7.61%
Small Animal	3.69%	4.97%	2.44%	4.05%
Squirrel	0.26%	0.43%	0.67%	1.09%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	1.39%	2.48%	0.74%	0.87%
Deterioration	9.13%	7.96%	0.00%	0.00%
Scheduled	3.22%	2.94%	6.43%	5.35%
Power Supplier	6.66%	11.23%	0.00%	0.00%
Bird	0.01%	0.02%	0.03%	0.04%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	14.53%	7.07%	36.01%	15.71%
Tree - ROW	0.80%	1.01%	0.00%	0.00%
Lightning	22.65%	27.04%	14.88%	30.64%
Tree - Non ROW	12.64%	16.62%	22.40%	33.51%
Large Animal	0.18%	0.21%	0.00%	0.00%
Fire	0.80%	0.84%	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. Storm related outages. No 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
 2023 Member Count 144
 Date Of Last Trim 2023

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	28.27	0.30	104.75	1.03
Equipment Fault	91.63%	92.96%	96.13%	97.32%
Wind	0.88%	1.87%	0.00%	0.00%
Small Animal	1.35%	0.94%	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	2.74%	1.88%	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	2.88%	1.88%	3.87%	2.68%
Lightning	0.52%	0.47%	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 outage. No corrections needed at this time.

Substation Name and Number West Berea 8
 Substation Location 5350 Walnut Meadow Rd, Berea, KY 40403
 Circuit Name and Number West Berea 134
 Circuit Location Wallacetown
 Total Circuit Length (Miles) 38
 2023 Member Count 484
 Date Of Last Trim 2021

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	148.33	1.27	195.57	1.35
Equipment Fault	22.87%	29.08%	72.07%	55.42%
Wind	3.87%	2.38%	0.84%	0.16%
Small Animal	4.54%	8.10%	0.66%	1.68%
Squirrel	0.98%	0.30%	0.00%	0.00%
Ice/Snow	0.45%	4.69%	0.00%	0.00%
Unknown Cause	6.15%	6.71%	4.49%	8.85%
Deterioration	0.00%	0.00%	0.00%	0.00%
Scheduled	0.51%	0.59%	1.05%	1.37%
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	3.42%	4.26%	10.71%	16.64%
Tree - ROW	7.62%	7.40%	3.27%	6.26%
Lightning	0.44%	0.30%	1.47%	1.07%
Tree - Non ROW	49.09%	36.02%	5.44%	8.55%
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	0.06%	0.17%	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. Equipment repaired at time of the outage. No other corrections needed at this time.

Substation Name and Number West Berea 8
 Substation Location 5350 Walnut Meadow Rd, Berea, KY 40403
 Circuit Name and Number West Berea 144
 Circuit Location Walnut Meadow
 Total Circuit Length (Miles) 46.6
 2023 Member Count 246
 Date Of Last Trim 2022

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	252.24	1.20	246.01	1.04
Equipment Fault	26.16%	18.24%	1.22%	1.56%
Wind	5.00%	3.07%	20.01%	7.00%
Small Animal	2.55%	5.03%	1.40%	4.28%
Squirrel	0.00%	0.00%	0.00%	0.00%
Ice/Snow	4.50%	6.50%	0.00%	0.00%
Unknown Cause	7.07%	12.23%	15.19%	26.07%
Deterioration	3.22%	2.87%	0.00%	0.00%
Scheduled	1.24%	1.82%	4.05%	6.61%
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	16.48%	16.21%	0.00%	0.00%
Tree - ROW	4.60%	4.47%	0.00%	0.00%
Lightning	4.98%	5.87%	17.28%	13.23%
Tree - Non ROW	23.95%	23.27%	40.85%	41.25%
Large Animal	0.25%	0.42%	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 West Berea 8
 Substation Location 5350 Walnut Meadow Rd, Berea, KY 40403
 Circuit Name and Number West Berea 154
 Circuit Location Dogwood
 Total Circuit Length (Miles) 45.4
 2023 Member Count 1252
 Date Of Last Trim 2022

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	179.81	1.39	233.13	1.32
Equipment Fault	4.30%	5.88%	0.88%	1.39%
Wind	10.18%	16.22%	9.52%	4.61%
Small Animal	3.35%	6.09%	0.97%	2.67%
Squirrel	4.94%	7.20%	18.84%	37.45%
Ice/Snow	18.48%	6.53%	0.00%	0.00%
Unknown Cause	7.08%	12.75%	4.24%	10.24%
Deterioration	0.58%	0.39%	0.00%	0.00%
Scheduled	0.91%	1.80%	0.47%	1.82%
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	0.58%	0.39%	0.00%	0.00%
Tree - ROW	12.26%	9.58%	0.00%	0.00%
Lightning	6.92%	5.90%	5.48%	6.91%
Tree - Non ROW	30.42%	27.23%	59.60%	34.91%
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%	0.02%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100.00%	99.98%	100.00%	100.00%

Corrections to be made:

Storm related outages. Animal guards to be installed in 2024. No 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 124
 Circuit Location Handys Bend
 Total Circuit Length (Miles) 51.22
 2023 Member Count 452
 Date Of Last Trim 2021

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	261.05	1.76	336.85	1.93
Equipment Fault	17.85%	14.88%	0.79%	1.72%
Wind	16.62%	8.42%	31.75%	9.15%
Small Animal	1.45%	4.88%	0.79%	1.49%
Squirrel	0.07%	0.23%	0.06%	0.23%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	3.97%	6.33%	8.02%	11.78%
Deterioration	0.00%	0.00%	0.00%	0.00%
Scheduled	1.11%	1.96%	0.26%	0.69%
Power Supplier	5.93%	11.01%	0.00%	0.00%
Bird	0.08%	0.21%	0.13%	0.46%
Overload	0.76%	1.21%	0.00%	0.00%
Public Accident	15.79%	14.83%	2.46%	3.43%
Tree - ROW	8.15%	8.14%	19.80%	17.73%
Lightning	4.89%	4.86%	0.27%	0.23%
Tree - Non ROW	23.31%	22.97%	35.64%	52.97%
Large Animal	0.01%	0.03%	0.03%	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	0.01%	0.04%	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 West Nicholasville 3
 Substation Location 398 Bass Pond Glen Dr, Nicholasville, KY 40356
 Circuit Name and Number West Nicholasville 134
 Circuit Location Clear Creek Rd/Harrodsburg Rd
 Total Circuit Length (Miles) 48.24
 2023 Member Count 1035
 Date Of Last Trim 2017

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	122.38	1.35	215.87	1.51
Equipment Fault	40.24%	47.01%	55.37%	68.58%
Wind	6.98%	1.92%	16.11%	5.56%
Small Animal	5.05%	6.91%	0.25%	0.83%
Squirrel	0.98%	2.12%	0.15%	0.32%
Ice/Snow	0.76%	0.68%	0.00%	0.00%
Unknown Cause	4.45%	4.65%	7.71%	10.92%
Deterioration	0.03%	0.03%	0.00%	0.00%
Scheduled	0.49%	0.45%	0.77%	1.28%
Power Supplier	28.78%	29.34%	0.00%	0.00%
Bird	0.44%	0.57%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	0.14%	0.09%	0.08%	0.19%
Tree - ROW	3.85%	2.59%	9.07%	8.62%
Lightning	0.58%	0.74%	0.24%	0.32%
Tree - Non ROW	6.69%	2.67%	10.25%	3.38%
Large Animal	0.00%	0.00%	0.00%	0.00%
Fire	0.54%	0.23%	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 outage. No 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
 2023 Member Count 589
 Date Of Last Trim 2020

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	98.13	1.06	178.86	1.49
Equipment Fault	1.90%	2.40%	1.78%	1.94%
Wind	32.03%	23.67%	87.90%	84.69%
Small Animal	16.66%	23.94%	4.26%	4.00%
Squirrel	0.94%	1.25%	1.91%	3.31%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Unknown Cause	2.44%	3.67%	3.30%	5.37%
Deterioration	22.63%	18.88%	0.00%	0.00%
Scheduled	0.15%	0.06%	0.00%	0.00%
Power Supplier	16.30%	18.82%	0.00%	0.00%
Bird	0.02%	0.13%	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	1.76%	1.31%	0.85%	0.69%
Lightning	0.00%	0.00%	0.00%	0.00%
Tree - Non ROW	5.17%	5.87%	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.

18-114

Substation Name and Number West Nicholasville #2 18
Substation Location 398 Bass Pond Glen Dr, Nicholasville, KY 40356
Circuit Name and Number West Nicholasville #2 114
Circuit Location Bell Place
Total Circuit Length (Miles) 11.3
2023 Member Count 687
Date Of Last Trim 2022

Total Minutes/Frequency	5 Year Average		2023	
	SAIDI	SAIFI	SAIDI	SAIFI
	18.20	0.20	41.46	0.47
Equipment Fault	36.75%	38.02%	65.65%	68.75%
Wind	0.53%	0.57%	0.00%	0.00%
Small Animal	6.18%	12.77%	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	6.39%	8.61%	0.00%	0.00%
Deterioration	0.00%	0.00%	0.00%	0.00%
Scheduled	1.11%	3.44%	0.31%	1.25%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	15.78%	11.91%	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	33.26%	24.68%	34.04%	30.00%
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:

R/W addressed at time of the outage. No corrections needed at this time.



DISTRIBUTION RIGHT-OF-WAY VEGETATION MANAGEMENT 2024 PLAN/ 2023 PLAN REVIEW

April 2024

Blue Grass Energy Vegetation Management Plan

2023 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 2023.

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.

2021-2024 Vegetation Management Strategy

SCHEDULED MAINTENANCE AND CLEARANCE

Blue Grass Energy provides electric service to over 60,000 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 21 distribution circuits scheduled in 2023 and a total of 773 miles of line completed. In 2024, there are 24 distribution circuits, for a total of 778 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	2021	2022	2023	2024
Scheduled	773	768	773	778
Completed	773	717	773	TBD

Of the 2021& 2022 maintenance year mileage, 23 circuits consisting of 755 miles were identified for selective herbicide application in 2023. Herbicide application consisting of 808 miles are scheduled for 2024.

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

Maintenance Year - Herbicide	2021	2022	2023	2024
Scheduled	762	835	755	808
Completed	302	582	755	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 2023 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 2024 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	2019	2020	2021	2022	2023
TOTALS	150	114	222	167	126

†Outages on primary conductor excluding major event days

2023 VEGETATION MANAGEMENT PLAN REVIEW

No Changes were implemented in 2023 to the ROW management plan. The “Distribution Right-Of-Way Vegetation Management Plan” Dated April 2023 reiterated in detail the processes that were built into the plan.

In 2023, 773 trim miles and 755 herbicide miles were completed. 14,842 diameter inches treated with tree growth regulator (TGR).

Listed below are some of the processes used in 2023:

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.

2024 VEGETATION MANAGEMENT PLAN

In addition to continuing the Distribution Right-Of-Way Vegetation Management Plans outlined for 2023 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 2024.

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