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# **Electric Distribution Utility Annual Reliability Report For 2018**

**April 2019**

# KENTUCKY PUBLIC SERVICE COMMISSION

## Electric Distribution Utility Annual Reliability Report

### SECTION 1: CONTACT INFORMATION

UTILITY NAME	Blue Grass Energy
REPORT PREPARED BY	Kyle Lancaster
E-MAIL ADDRESS OF PREPARER	kylel@bgenenergy.com
PHONE NUMBER OF PREPARER	(859) 885-2103

### SECTION 2: REPORTING YEAR

CALENDAR YEAR OF REPORT	2018
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### SECTION 3: MAJOR EVENT DAYS (MED)

$T_{MED}$	9.70
FIRST DATE USED TO DETERMINE $T_{MED}$	January 1 2013
LAST DATE USED TO DETERMINE $T_{MED}$	December 31 2017
NUMBER OF MED IN REPORT YEAR	4

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

### SECTION 4: SYSTEM RELIABILITY INFORMATION AND RESULTS

#### System-wide Information

TOTAL CUSTOMERS	57576	TOTAL CIRCUITS	135
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#### Excluding MED

	5 YEAR AVERAGE		REPORTING YEAR
SAIDI	127.50	SAIDI	157.13
SAIFI	1.0941	SAIFI	1.1177

#### Including MED

	5 YEAR AVERAGE		REPORTING YEAR
SAIDI	233.63	SAIDI	440.88
SAIFI	1.3547	SAIFI	1.6218

#### 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 in Word Document.

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## SECTION 7: UTILITY COMMENTS

31-104

Substation Name and Number BRACKEN\_COUNTY 31  
 Substation Location 61 New Zion Rd, Foster, KY 41043  
 Circuit Name and Number BRACKEN\_COUNTY 104  
 Circuit Location Lenoxburg  
 Total Circuit Length (Miles) 85.8  
 2018 Member Count 655  
 5 Year Average Member Count 656  
 Date of Last Trim December-13  
 Date of Next Trim 2020

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
93.79349606	0.652600125	294.0122137	1.749618321

Total Minutes/Frequency	307423.00	2139.0000	192578.00	1146.0000
Equipment Fault	15.22%	13.65%	14.73%	12.30%
Wind	4.17%	2.43%	6.61%	4.45%
Small Animal	3.13%	4.68%	3.08%	4.62%
Squirrel	0.03%	0.05%	0.00%	0.00%
Unknown Cause	7.52%	10.38%	2.98%	5.85%
Deterioration	2.32%	4.68%	1.40%	2.53%
Scheduled	1.00%	2.20%	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	6.80%	13.56%	0.00%	0.00%
Ice/Snow	1.02%	0.98%	0.12%	0.09%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.03%	0.05%	0.00%	0.00%
Tree - ROW	4.89%	1.68%	0.00%	0.00%
Lightning	9.26%	8.60%	2.91%	4.80%
Tree - Non ROW	43.46%	35.34%	68.18%	65.36%
Large Animal	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Contractor	1.13%	1.73%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100%	100%	100%	100%

**Corrections to be made:**

Equipment repaired at time of outage. No corrections necessary at this time.

Substation Name and Number	BRACKEN_COUNTY	31
Substation Location	61 New Zion Rd, Foster, KY 41043	
Circuit Name and Number	BRACKEN_COUNTY	114
Circuit Location	Blakeston	
Total Circuit Length (Miles)	139.4	
2018 Member Count	1070	
5 Year Average Member Count	1071	
Date of Last Trim	November-13	
Date of Next Trim	2019	

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
269.6725372	2.254992291	393.5224299	2.972897196

Total Minutes/Frequency	1443919.00	12074.0000	421069.00	3181.0000
Equipment Fault	11.63%	11.22%	3.75%	6.13%
Wind	4.91%	4.71%	10.31%	9.05%
Small Animal	3.20%	3.37%	2.40%	3.40%
Squirrel	0.02%	0.03%	0.00%	0.00%
Unknown Cause	2.23%	1.91%	2.27%	2.33%
Deterioration	16.47%	13.01%	1.69%	1.63%
Scheduled	0.53%	1.07%	0.94%	1.16%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.41%	0.38%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	2.39%	2.68%	0.00%	0.00%
Ice/Snow	2.37%	0.64%	8.14%	2.42%
Fire	9.55%	4.46%	0.00%	0.00%
Sag/Clearance	0.52%	0.66%	0.00%	0.00%
Tree - ROW	12.30%	8.47%	36.43%	27.19%
Lightning	24.40%	40.16%	20.63%	34.39%
Tree - Non ROW	9.09%	7.21%	13.44%	12.29%
Large Animal	0.01%	0.01%	0.00%	0.00%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

Circuit to be trimmed in 2019. No corrections necessary at this time.

21-114

Substation Name and Number	BRIDGEPORT	21
Substation Location	218 Taylor Branch Rd., Frankfort, KY 40601	
Circuit Name and Number	BRIDGEPORT	114
Circuit Location	Huntington Woods/Taylor Branch	
Total Circuit Length (Miles)	90.1	
2018 Member Count	1295	
5 Year Average Member Count	1461	
Date of Last Trim	November-16	
Date of Next Trim	2022	

	5 Year Average		2018	
	SAIDI	SAIFI	SAIDI	SAIFI
	236.3602702	1.744224341	342.2540541	2.535135135

Total Minutes/Frequency	1726645.65	12741.8088	443219.00	3283.0000
Equipment Fault	12.97%	19.75%	14.43%	26.23%
Wind	4.31%	3.28%	14.50%	8.41%
Small Animal	1.17%	2.88%	1.22%	3.44%
Squirrel	0.15%	0.44%	0.01%	0.03%
Unknown Cause	1.81%	3.99%	0.00%	0.00%
Deterioration	1.03%	1.44%	0.42%	0.58%
Scheduled	0.26%	0.75%	0.00%	0.00%
Power Supplier	18.47%	9.43%	0.00%	0.00%
Bird	0.03%	0.10%	0.03%	0.06%
Overload	0.03%	0.04%	0.07%	0.12%
Public Accident	0.85%	3.92%	0.00%	0.00%
Ice/Snow	4.76%	3.19%	6.51%	4.11%
Fire	1.02%	0.68%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Tree - ROW	3.43%	6.15%	4.93%	8.83%
Lightning	35.74%	24.75%	50.33%	41.46%
Tree - Non ROW	9.67%	14.80%	7.54%	6.70%
Large Animal	4.31%	4.39%	0.01%	0.03%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

Storm related outages. No corrections necessary at this time.

21-124

Substation Name and Number BRIDGEPORT 21  
 Substation Location 218 Taylor Branch Rd., Frankfort, KY 40601  
 Circuit Name and Number BRIDGEPORT 124  
 Circuit Location Botkin Ln/Benson  
 Total Circuit Length (Miles) 104.9  
 2018 Member Count 903  
 5 Year Average Member Count 1019  
 Date of Last Trim February-13  
 Date of Next Trim 2019

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
379.7959322	2.355901821	630.2990033	3.789590255

Total Minutes/Frequency	1934626.05	12000.6262	569160.00	3422.0000
Equipment Fault	9.61%	13.49%	7.22%	8.12%
Wind	11.80%	6.37%	32.06%	12.33%
Small Animal	1.76%	2.80%	0.27%	0.79%
Squirrel	0.12%	0.32%	0.00%	0.00%
Unknown Cause	1.09%	2.06%	0.00%	0.00%
Deterioration	0.63%	0.73%	0.05%	0.12%
Scheduled	0.11%	0.17%	0.00%	0.00%
Power Supplier	27.48%	16.70%	0.00%	0.00%
Bird	7.24%	8.52%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	5.36%	12.00%	11.98%	26.56%
Ice/Snow	7.79%	5.88%	10.11%	8.85%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.18%	0.29%	0.00%	0.00%
Tree - ROW	1.87%	2.01%	1.94%	1.93%
Lightning	9.08%	9.56%	6.75%	5.58%
Tree - Non ROW	15.89%	19.11%	29.62%	35.71%
Large Animal	0.00%	0.00%	0.00%	0.00%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

Storm related outages. No corrections necessary at this time.



Substation Name and Number	BRIDGEPORT #2	42
Substation Location	218 Taylor Branch Rd., Frankfort, KY 40601	
Circuit Name and Number	BRIDGEPORT #2	184
Circuit Location	Harvieland/Flat Creek	
Total Circuit Length (Miles)	71.6	
2018 Member Count	438	
5 Year Average Member Count	434	
Date of Last Trim	November-14	
Date of Next Trim	2020	

	5 Year Average		2018	
	SAIDI	SAIFI	SAIDI	SAIFI
	606.179621	3.925621451	625.8196347	3.175799087

Total Minutes/Frequency	1316089.12	8522.9980	274109.00	1391.0000
Equipment Fault	2.52%	2.22%	6.02%	8.34%
Wind	11.17%	7.18%	25.63%	9.42%
Small Animal	0.45%	0.92%	0.15%	0.29%
Squirrel	0.04%	0.06%	0.00%	0.00%
Unknown Cause	5.36%	6.04%	0.00%	0.00%
Deterioration	0.28%	0.42%	0.19%	0.50%
Scheduled	0.00%	0.01%	0.00%	0.00%
Power Supplier	3.26%	5.66%	0.00%	0.00%
Bird	0.00%	0.00%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	0.52%	1.19%	0.00%	0.00%
Ice/Snow	10.27%	9.95%	4.69%	4.82%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Tree - ROW	6.05%	4.72%	4.92%	4.39%
Lightning	27.42%	30.98%	53.35%	64.92%
Tree - Non ROW	32.65%	30.66%	5.06%	7.33%
Large Animal	0.01%	0.01%	0.00%	0.00%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

Storm related outages. No corrections necessary at this time.

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)	72.7	
2018 Member Count	622	
5 Year Average Member Count	609	
Date of Last Trim	December-14	
Date of Next Trim	2020	

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
126.3332716	0.761528681	116.318328	0.975884244

Total Minutes/Frequency	384543.00	2318.0000	72350.00	607.0000
Equipment Fault	3.90%	11.13%	0.67%	1.65%
Wind	5.56%	5.61%	14.99%	7.25%
Small Animal	4.01%	9.02%	12.12%	21.25%
Squirrel	0.98%	1.47%	4.08%	3.13%
Unknown Cause	3.30%	6.99%	0.00%	0.00%
Deterioration	0.49%	1.38%	0.10%	0.16%
Scheduled	0.03%	0.13%	0.00%	0.00%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.28%	0.86%	0.48%	1.32%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	2.06%	3.49%	0.14%	0.16%
Ice/Snow	3.05%	1.08%	11.41%	1.98%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Tree - ROW	44.08%	17.39%	16.78%	24.88%
Lightning	14.02%	19.72%	11.61%	13.34%
Tree - Non ROW	18.24%	21.70%	27.62%	24.88%
Large Animal	0.03%	0.04%	0.00%	0.00%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

Storm related outages. No corrections necessary at this time.

Substation Name and Number	CLAY_LICK	26
Substation Location	5627 Louisville, Rd., Salvisa, KY	40372
Circuit Name and Number	CLAY_LICK	134
Circuit Location	Lillard's Ferry/Scott's Ferry	
Total Circuit Length (Miles)	51.3	
2018 Member Count	358	
5 Year Average Member Count	350	
Date of Last Trim	December-16	
Date of Next Trim	2022	

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
376.4884175	2.155322072	795.3407821	3.958100559

Total Minutes/Frequency	659586.00	3776.0000	284732.00	1417.0000
Equipment Fault	0.22%	0.50%	0.16%	0.42%
Wind	14.65%	14.72%	22.78%	12.21%
Small Animal	0.44%	1.01%	0.18%	0.49%
Squirrel	0.12%	0.34%	0.04%	0.14%
Unknown Cause	0.39%	0.93%	0.04%	0.07%
Deterioration	0.17%	0.42%	0.00%	0.00%
Scheduled	0.55%	1.64%	0.53%	1.41%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.00%	0.00%	0.00%	0.00%
Overload	0.03%	0.08%	0.04%	0.14%
Public Accident	0.00%	0.00%	0.00%	0.00%
Ice/Snow	10.96%	7.26%	9.58%	8.61%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.09%	0.11%	0.00%	0.00%
Tree - ROW	12.27%	19.57%	9.50%	25.12%
Lightning	14.12%	10.81%	5.45%	3.25%
Tree - Non ROW	45.99%	42.61%	51.72%	48.13%
Large Animal	0.00%	0.00%	0.00%	0.00%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

No corrections necessary at this time.

Substation Name and Number	COLEMANSVILLE	32
Substation Location	Corner of HWY 1032 & 1054, Berry, KY 41003	
Circuit Name and Number	COLEMANSVILLE	104
Circuit Location	Morgan Marcus	
Total Circuit Length (Miles)	111.0	
2018 Member Count	759	
5 Year Average Member Count	758	
Date of Last Trim	August-12	
Date of Next Trim	2019	

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
175.106066	1.321424699	374.3267457	1.844532279

Total Minutes/Frequency	663228.00	5005.0000	284114.00	1400.0000
Equipment Fault	5.84%	6.27%	0.33%	0.50%
Wind	2.34%	3.48%	0.00%	0.00%
Small Animal	1.67%	2.38%	2.29%	4.14%
Squirrel	0.14%	0.20%	0.27%	0.57%
Unknown Cause	2.92%	16.96%	0.00%	0.07%
Deterioration	3.29%	2.14%	0.48%	0.93%
Scheduled	1.80%	5.07%	0.00%	0.00%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.00%	0.00%	0.00%	0.00%
Overload	3.33%	1.66%	0.00%	0.00%
Public Accident	3.15%	3.50%	0.00%	0.00%
Ice/Snow	0.36%	0.12%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Tree - ROW	5.67%	2.64%	7.57%	4.57%
Lightning	36.63%	27.03%	45.80%	54.14%
Tree - Non ROW	25.44%	13.45%	43.25%	35.07%
Large Animal	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Contractor	7.41%	15.10%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100%	100%	100%	100%

**Corrections to be made:**

Storm related outages. No corrections necessary at this time.

32-114

Substation Name and Number	COLEMANSVILLE	32
Substation Location	Corner of HWY 1032 & 1054, Berry, KY 41004	
Circuit Name and Number	COLEMANSVILLE	114
Circuit Location	Kelat	
Total Circuit Length (Miles)	65.6	
2018 Member Count	430	
5 Year Average Member Count	429	
Date of Last Trim	December-18	
Date of Next Trim	2024	

	<b>5 Year Average</b>		<b>2018</b>	
	<b>SAIDI</b>	<b>SAIFI</b>	<b>SAIDI</b>	<b>SAIFI</b>
	112.2707144	0.809956007	339.2186047	2.134883721

<b>Total Minutes/Frequency</b>	240910.00	1738.0000	145864.00	918.0000
Equipment Fault	37.67%	25.60%	46.15%	27.89%
Wind	5.74%	4.78%	9.49%	9.04%
Small Animal	1.10%	2.30%	0.10%	0.33%
Squirrel	0.64%	2.07%	0.00%	0.00%
Unknown Cause	0.59%	1.55%	0.00%	0.00%
Deterioration	6.34%	12.03%	0.17%	0.33%
Scheduled	1.76%	3.16%	0.00%	0.00%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.05%	0.06%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	0.00%	0.00%	0.00%	0.00%
Ice/Snow	0.73%	1.21%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Tree - ROW	0.00%	0.06%	0.01%	0.11%
Lightning	28.25%	34.41%	16.61%	38.67%
Tree - Non ROW	17.14%	12.77%	27.47%	23.64%
Large Animal	0.00%	0.00%	0.00%	0.00%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

Equipment repaired at time of outage. No corrections necessary at this time.

Substation Name and Number COLEMANSVILLE 32  
 Substation Location Corner of HWY 1032 & 1054, Berry, KY 41005  
 Circuit Name and Number COLEMANSVILLE 124  
 Circuit Location Robinson  
 Total Circuit Length (Miles) 71.3  
 2018 Member Count 575  
 5 Year Average Member Count 574  
 Date of Last Trim December-18  
 Date of Next Trim 2024

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
153.2942101	1.267522188	135.5026087	1.351304348

Total Minutes/Frequency	439859.00	3637.0000	77914.00	777.0000
Equipment Fault	29.30%	16.33%	9.59%	10.55%
Wind	4.49%	6.76%	23.15%	28.31%
Small Animal	5.70%	9.95%	1.61%	4.25%
Squirrel	0.04%	0.11%	0.00%	0.00%
Unknown Cause	6.64%	10.53%	0.99%	1.42%
Deterioration	7.06%	5.22%	0.13%	0.26%
Scheduled	1.49%	1.98%	0.00%	0.00%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.05%	0.08%	0.00%	0.00%
Overload	0.02%	0.03%	0.10%	0.13%
Public Accident	8.40%	6.71%	0.00%	0.00%
Ice/Snow	0.12%	0.19%	0.00%	0.00%
Fire	0.50%	0.30%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Tree - ROW	4.88%	2.25%	25.98%	8.11%
Lightning	29.40%	35.61%	35.26%	38.61%
Tree - Non ROW	1.92%	3.93%	3.18%	8.37%
Large Animal	0.00%	0.00%	0.00%	0.00%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

Storm related outages. No corrections necessary at this time.

Substation Name and Number	COLEMANSVILLE	32
Substation Location	Corner of HWY 1032 & 1054, Berry, KY 41006	
Circuit Name and Number	COLEMANSVILLE	134
Circuit Location	Renaker	
Total Circuit Length (Miles)	77.3	
2018 Member Count	486	
5 Year Average Member Count	485	
Date of Last Trim	June-18	
Date of Next Trim	2024	

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
80.24746335	0.512524905	233.973251	0.802469136

Total Minutes/Frequency	194620.00	1243.0000	113711.00	390.0000
Equipment Fault	14.21%	14.16%	2.71%	5.13%
Wind	0.00%	0.00%	0.00%	0.00%
Small Animal	2.40%	4.02%	2.62%	6.41%
Squirrel	0.04%	0.08%	0.00%	0.00%
Unknown Cause	0.26%	0.32%	0.00%	0.00%
Deterioration	4.18%	3.54%	0.00%	0.00%
Scheduled	5.65%	23.41%	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	4.59%	7.24%	0.00%	0.00%
Ice/Snow	10.37%	5.95%	17.52%	17.44%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	2.05%	5.87%	0.00%	0.00%
Tree - ROW	0.05%	0.08%	0.00%	0.00%
Lightning	46.63%	25.18%	76.73%	70.51%
Tree - Non ROW	9.57%	10.14%	0.42%	0.51%
Large Animal	0.00%	0.00%	0.00%	0.00%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

Storm related outages. No corrections necessary at this time.

13-124

Substation Name and Number	CROOKSVILLE	13
Substation Location	765 Crooksville Rd., Richmond, KY	40475
Circuit Name and Number	CROOKSVILLE	124
Circuit Location	Ogg Lane	
Total Circuit Length (Miles)	53.6	
2018 Member Count	696	
5 Year Average Member Count	693	
Date of Last Trim	February-15	
Date of Next Trim	2021	

	<b>5 Year Average</b>		<b>2018</b>	
	<b>SAIDI</b>	<b>SAIFI</b>	<b>SAIDI</b>	<b>SAIFI</b>
	45.80863252	0.550277241	100.3520115	0.767241379

<b>Total Minutes/Frequency</b>	<b>158751.00</b>	<b>1907.0000</b>	<b>69845.00</b>	<b>534.0000</b>
Equipment Fault	14.68%	15.21%	7.31%	5.43%
Wind	3.70%	1.57%	0.00%	0.00%
Small Animal	19.52%	13.00%	30.68%	20.79%
Squirrel	0.70%	1.21%	0.05%	0.19%
Unknown Cause	5.16%	4.77%	8.13%	11.24%
Deterioration	0.15%	0.31%	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	18.90%	38.12%	0.00%	0.00%
Ice/Snow	9.04%	8.86%	20.55%	31.65%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Tree - ROW	2.25%	3.15%	3.44%	6.93%
Lightning	1.62%	2.05%	1.00%	4.12%
Tree - Non ROW	24.15%	11.43%	28.77%	19.29%
Large Animal	0.12%	0.31%	0.08%	0.37%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

Storm related outages. No corrections necessary at this time.



Substation Name and Number	DAVIS	4
Substation Location	3876 Delong Rd., Lexington, KY 40515	
Circuit Name and Number	DAVIS	114
Circuit Location	Delong Rd	
Total Circuit Length (Miles)	15.6	
2018 Member Count	158	
5 Year Average Member Count	170	
Date of Last Trim	December-14	
Date of Next Trim	2019	

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
102.5747151	1.555676728	164.0316456	3.753164557

Total Minutes/Frequency	87233.00	1323.0000	25917.00	593.0000
Equipment Fault	10.69%	26.53%	26.10%	54.13%
Wind	17.40%	6.65%	7.64%	7.42%
Small Animal	25.99%	27.82%	14.31%	7.76%
Squirrel	11.31%	13.15%	7.13%	7.42%
Unknown Cause	9.51%	9.83%	9.61%	7.42%
Deterioration	1.48%	0.38%	4.72%	0.67%
Scheduled	0.02%	0.23%	0.00%	0.00%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.13%	0.15%	0.28%	0.17%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	2.18%	1.13%	0.33%	0.17%
Ice/Snow	9.41%	3.63%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Tree - ROW	5.04%	3.33%	16.98%	7.42%
Lightning	6.69%	7.11%	12.90%	7.42%
Tree - Non ROW	0.13%	0.08%	0.00%	0.00%
Large Animal	0.00%	0.00%	0.00%	0.00%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

Equipment repaired at time of outage. Circuit to be trimmed in 2019. No corrections necessary 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	Tates Creek Estates	
Total Circuit Length (Miles)	5.0	
2018 Member Count	293	
5 Year Average Member Count	315	
Date of Last Trim	December-15	
Date of Next Trim	2021	

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
82.26520347	0.995516884	130.0341297	1.153583618

Total Minutes/Frequency	129738.00	1570.0000	38100.00	338.0000
Equipment Fault	14.82%	9.55%	0.89%	1.78%
Wind	4.56%	4.14%	15.52%	19.23%
Small Animal	25.52%	38.98%	0.00%	0.00%
Squirrel	0.11%	0.13%	0.00%	0.00%
Unknown Cause	2.95%	3.69%	0.00%	0.00%
Deterioration	9.12%	7.83%	0.00%	0.00%
Scheduled	4.05%	6.94%	7.38%	14.79%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.05%	0.13%	0.00%	0.00%
Overload	0.42%	0.25%	0.00%	0.00%
Public Accident	1.88%	1.27%	6.40%	5.92%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Fire	0.33%	0.45%	1.12%	2.07%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Tree - ROW	33.86%	22.68%	67.20%	52.37%
Lightning	1.72%	2.99%	1.47%	3.85%
Tree - Non ROW	0.61%	0.96%	0.00%	0.00%
Large Animal	0.00%	0.00%	0.00%	0.00%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

Corrected at time of outage. No corrections necessary at this time.

Substation Name and Number	FAYETTE2	6
Substation Location	2442 Armstrong Mill, Lexington, KY 40515	
Circuit Name and Number	FAYETTE2	104
Circuit Location	Squires Rd	
Total Circuit Length (Miles)	5.6	
2018 Member Count	466	
5 Year Average Member Count	468	
Date of Last Trim	May-16	
Date of Next Trim	2020	

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
91.53875166	1.159292363	89.30472103	2.004291845

Total Minutes/Frequency	213984.00	2710.0000	41616.00	934.0000
Equipment Fault	31.09%	17.08%	0.00%	0.00%
Wind	0.00%	0.00%	0.00%	0.00%
Small Animal	7.37%	6.46%	0.00%	0.00%
Squirrel	2.14%	2.80%	0.00%	0.00%
Unknown Cause	0.14%	0.41%	0.00%	0.00%
Deterioration	0.27%	0.70%	0.00%	0.00%
Scheduled	0.47%	0.63%	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%
Ice/Snow	3.92%	17.20%	20.16%	49.89%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	16.58%	6.35%	0.00%	0.00%
Tree - ROW	15.53%	17.27%	79.84%	50.11%
Lightning	22.50%	31.11%	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%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

Corrected at time of outage. No corrections necessary at this time.

Substation Name and Number	FAYETTE2	6
Substation Location	2442 Armstrong Mill, Lexington, KY 40515	
Circuit Name and Number	FAYETTE2	124
Circuit Location	Armstrong Mill	
Total Circuit Length (Miles)	6.4	
2018 Member Count	1062	
5 Year Average Member Count	1065	
Date of Last Trim	December-16	
Date of Next Trim	2020	

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
65.22437067	0.695461826	42.78248588	1.142184557

Total Minutes/Frequency	347476.00	3705.0000	45435.00	1213.0000
Equipment Fault	64.01%	29.10%	0.00%	0.00%
Wind	0.00%	0.00%	0.00%	0.00%
Small Animal	0.30%	0.51%	0.00%	0.00%
Squirrel	0.03%	0.08%	0.00%	0.00%
Unknown Cause	0.57%	1.16%	0.00%	0.00%
Deterioration	3.63%	6.02%	22.79%	12.37%
Scheduled	0.90%	6.07%	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	30.56%	57.06%	77.21%	87.63%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	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%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

Public Accident caused outages. No corrections necessary at this time.

Substation Name and Number	FAYETTE2	6
Substation Location	2442 Armstrong Mill, Lexington, KY 40515	
Circuit Name and Number	FAYETTE2	134
Circuit Location	Fairview	
Total Circuit Length (Miles)	2.9	
2018 Member Count	162	
5 Year Average Member Count	163	
Date of Last Trim	December-16	
Date of Next Trim	2020	

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
11.03545352	0.034455029	51.87654321	0.135802469

Total Minutes/Frequency	8968.00	28.0000	8404.00	22.0000
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%
Unknown Cause	0.00%	0.00%	0.00%	0.00%
Deterioration	4.82%	14.29%	0.00%	0.00%
Scheduled	1.47%	7.14%	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%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Tree - ROW	0.00%	0.00%	0.00%	0.00%
Lightning	93.71%	78.57%	100.00%	100.00%
Tree - Non ROW	0.00%	0.00%	0.00%	0.00%
Large Animal	0.00%	0.00%	0.00%	0.00%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

Storm related outages. No corrections necessary at this time.



Substation Name and Number	FOUR_OAKS	33
Substation Location	4255 Hwy. 27 South, Falmouth, KY	41040
Circuit Name and Number	FOUR_OAKS	134
Circuit Location	Sunrise	
Total Circuit Length (Miles)	136.4	
2018 Member Count	747	
5 Year Average Member Count	741	
Date of Last Trim	November-17	
Date of Next Trim	2023	

	5 Year Average		2018	
	SAIDI	SAIFI	SAIDI	SAIFI
	84.9845524	0.554985521	102.8835341	0.615796519

Total Minutes/Frequency	314987.00	2057.0000	76854.00	460.0000
Equipment Fault	11.15%	12.01%	5.66%	8.48%
Wind	1.27%	1.46%	0.00%	0.00%
Small Animal	7.89%	16.72%	12.31%	19.78%
Squirrel	0.04%	0.15%	0.00%	0.00%
Unknown Cause	2.70%	4.28%	0.00%	0.00%
Deterioration	17.10%	15.36%	29.07%	12.61%
Scheduled	0.10%	0.73%	0.06%	0.22%
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	11.91%	10.55%	13.95%	18.04%
Ice/Snow	11.04%	5.15%	30.68%	18.70%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Tree - ROW	3.55%	4.62%	4.25%	11.96%
Lightning	8.13%	10.45%	0.20%	0.22%
Tree - Non ROW	25.12%	18.52%	3.82%	10.00%
Large Animal	0.00%	0.00%	0.00%	0.00%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

2016-18 CWP conversion of conductor. No corrections necessary at this time.



36-104

Substation Name and Number HEADQUARTERS 36  
 Substation Location 2195 Saltwell Hedquarters, Rd., Carlisle, KY 40311  
 Circuit Name and Number HEADQUARTERS 104  
 Circuit Location US 68  
 Total Circuit Length (Miles) 9.7  
 2018 Member Count 72  
 5 Year Average Member Count 72  
 Date of Last Trim June-16  
 Date of Next Trim 2022

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
34.21784557	0.545893724	41.23611111	0.375

Total Minutes/Frequency	12270.57	195.7583	2969.00	27.0000
Equipment Fault	1.40%	0.51%	0.00%	0.00%
Wind	3.50%	1.53%	0.00%	0.00%
Small Animal	20.45%	15.84%	31.69%	55.56%
Squirrel	11.46%	9.20%	0.00%	0.00%
Unknown Cause	18.27%	15.84%	0.00%	0.00%
Deterioration	0.00%	0.00%	0.00%	0.00%
Scheduled	2.60%	4.09%	0.00%	0.00%
Power Supplier	11.92%	38.19%	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%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Tree - ROW	0.00%	0.00%	0.00%	0.00%
Lightning	30.41%	14.81%	68.31%	44.44%
Tree - Non ROW	0.00%	0.00%	0.00%	0.00%
Large Animal	0.00%	0.00%	0.00%	0.00%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

Storm related outages. No corrections necessary at this time.

Substation Name and Number	HEADQUARTERS	36
Substation Location	2195 Saltwell Hedquarters, Rd., Carlisle, KY 40311	
Circuit Name and Number	HEADQUARTERS	114
Circuit Location	Arther Rd	
Total Circuit Length (Miles)	29.2	
2018 Member Count	157	
5 Year Average Member Count	156	
Date of Last Trim	July-17	
Date of Next Trim	2023	

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
201.169791	1.239720693	263.3757962	1.541401274

Total Minutes/Frequency	157304.81	969.4001	41350.00	242.0000
Equipment Fault	16.20%	11.35%	57.50%	42.15%
Wind	0.13%	0.41%	0.00%	0.00%
Small Animal	1.07%	3.09%	0.00%	0.00%
Squirrel	0.04%	0.21%	0.00%	0.00%
Unknown Cause	1.34%	2.99%	0.64%	1.24%
Deterioration	25.30%	24.86%	11.20%	18.60%
Scheduled	1.01%	2.99%	0.00%	0.00%
Power Supplier	4.10%	15.82%	0.00%	0.00%
Bird	0.14%	0.41%	0.00%	0.00%
Overload	6.00%	6.29%	0.00%	0.00%
Public Accident	2.13%	1.96%	0.00%	0.00%
Ice/Snow	0.22%	0.10%	0.82%	0.41%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.23%	0.41%	0.00%	0.00%
Tree - ROW	1.05%	1.44%	0.00%	0.00%
Lightning	33.41%	20.73%	2.91%	13.22%
Tree - Non ROW	7.08%	6.09%	26.92%	24.38%
Large Animal	0.58%	0.83%	0.00%	0.00%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

Equipment repaired at time of outage. No corrections necessary at this time.

Substation Name and Number	HEADQUARTERS	36
Substation Location	2195 Saltwell Hedquarters, Rd., Carlisle, KY 40311	
Circuit Name and Number	HEADQUARTERS	144
Circuit Location	Kentontown	
Total Circuit Length (Miles)	121.1	
2018 Member Count	706	
5 Year Average Member Count	703	
Date of Last Trim	December-13	
Date of Next Trim	2019	

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
164.5778069	1.141252288	195.0566572	1.883852691

Total Minutes/Frequency	578702.75	4012.9702	137710.00	1330.0000
Equipment Fault	52.35%	30.28%	22.77%	18.87%
Wind	3.00%	3.14%	7.17%	7.67%
Small Animal	8.24%	12.56%	31.06%	32.33%
Squirrel	0.65%	0.87%	0.04%	0.08%
Unknown Cause	1.31%	3.21%	0.00%	0.00%
Deterioration	0.79%	1.42%	2.96%	3.83%
Scheduled	0.65%	2.39%	0.83%	4.06%
Power Supplier	4.85%	16.65%	0.00%	0.00%
Bird	0.00%	0.00%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	4.53%	5.76%	0.00%	0.00%
Ice/Snow	2.14%	2.24%	8.64%	6.54%
Fire	0.01%	0.02%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Tree - ROW	7.13%	7.97%	15.97%	15.04%
Lightning	8.92%	7.58%	0.39%	0.45%
Tree - Non ROW	5.44%	5.91%	10.17%	11.13%
Large Animal	0.00%	0.00%	0.00%	0.00%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

Equipment repaired at time of outage. Circuit to be trimmed in 2019. No corrections necessary 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	Wildlife Preserve	
Total Circuit Length (Miles)	46.9	
2018 Member Count	750	
5 Year Average Member Count	732	
Date of Last Trim	December-17	
Date of Next Trim	2023	

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
99.4239143	0.986078306	126.4066667	1.510666667

Total Minutes/Frequency	363786.00	3608.0000	94805.00	1133.0000
Equipment Fault	51.94%	45.98%	67.01%	80.32%
Wind	0.14%	0.22%	0.00%	0.00%
Small Animal	3.27%	5.82%	2.30%	3.18%
Squirrel	4.73%	3.66%	0.00%	0.00%
Unknown Cause	19.91%	25.97%	0.03%	0.09%
Deterioration	0.01%	0.06%	0.05%	0.18%
Scheduled	0.48%	0.53%	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	1.19%	1.25%	0.00%	0.00%
Ice/Snow	1.86%	1.03%	7.13%	3.27%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Tree - ROW	5.88%	6.93%	0.00%	0.00%
Lightning	1.69%	2.22%	0.31%	0.44%
Tree - Non ROW	8.89%	6.35%	23.17%	12.53%
Large Animal	0.00%	0.00%	0.00%	0.00%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

Equipment repaired at time of outage. No corrections necessary 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) 73.9  
 2018 Member Count 1107  
 5 Year Average Member Count 1080  
 Date of Last Trim May-13  
 Date of Next Trim 2019

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
73.03734429	0.894161	188.2556459	2.52303523

Total Minutes/Frequency	394445.00	4829.0000	208399.00	2793.0000
Equipment Fault	6.19%	5.01%	5.31%	3.51%
Wind	22.60%	25.02%	38.70%	40.10%
Small Animal	6.45%	8.37%	1.30%	2.65%
Squirrel	0.04%	0.08%	0.00%	0.00%
Unknown Cause	4.95%	4.56%	0.82%	0.86%
Deterioration	0.60%	0.29%	0.00%	0.00%
Scheduled	0.33%	1.08%	0.22%	1.11%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.18%	0.23%	0.00%	0.00%
Overload	1.53%	1.28%	0.07%	0.07%
Public Accident	4.43%	6.05%	0.24%	0.32%
Ice/Snow	1.26%	0.17%	2.39%	0.29%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Tree - ROW	8.61%	8.78%	3.20%	1.86%
Lightning	7.84%	6.01%	2.44%	2.72%
Tree - Non ROW	34.54%	32.43%	45.32%	46.51%
Large Animal	0.45%	0.66%	0.00%	0.00%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

Storm related outages. No corrections necessary 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	144
Circuit Location	Silver Creek/Rainbow Sub	
Total Circuit Length (Miles)	24.2	
2018 Member Count	720	
5 Year Average Member Count	703	
Date of Last Trim	December-14	
Date of Next Trim	2020	

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
60.49853237	0.80168968	104.3388889	0.893055556

Total Minutes/Frequency	212506.00	2816.0000	75124.00	643.0000
Equipment Fault	9.95%	7.39%	7.63%	11.51%
Wind	0.33%	0.60%	0.00%	0.00%
Small Animal	10.70%	15.06%	2.13%	6.53%
Squirrel	0.94%	0.71%	0.00%	0.00%
Unknown Cause	0.46%	0.57%	0.00%	0.00%
Deterioration	0.07%	0.07%	0.00%	0.00%
Scheduled	2.53%	2.63%	7.16%	11.51%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.00%	0.00%	0.00%	0.00%
Overload	0.87%	0.75%	0.00%	0.00%
Public Accident	26.31%	25.39%	0.00%	0.00%
Ice/Snow	16.42%	7.10%	45.57%	29.70%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Tree - ROW	18.43%	30.29%	8.81%	9.95%
Lightning	2.57%	2.17%	3.38%	6.38%
Tree - Non ROW	10.42%	7.28%	25.32%	24.42%
Large Animal	0.00%	0.00%	0.00%	0.00%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

Storm related outages. No corrections necessary 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)	12.9	
2018 Member Count	436	
5 Year Average Member Count	425	
Date of Last Trim	May-18	
Date of Next Trim	2024	

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
55.09380812	0.645490994	64.95642202	0.637614679

Total Minutes/Frequency	117188.00	1373.0000	28321.00	278.0000
Equipment Fault	4.08%	3.20%	0.00%	0.00%
Wind	3.79%	7.65%	0.00%	0.00%
Small Animal	10.21%	16.17%	0.17%	0.72%
Squirrel	0.00%	0.00%	0.00%	0.00%
Unknown Cause	6.10%	7.43%	9.96%	12.23%
Deterioration	2.74%	2.77%	0.00%	0.00%
Scheduled	3.05%	3.13%	9.84%	12.23%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.00%	0.00%	0.00%	0.00%
Overload	0.24%	0.29%	0.00%	0.00%
Public Accident	0.20%	0.22%	0.00%	0.00%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Tree - ROW	27.01%	17.70%	11.49%	12.59%
Lightning	39.46%	32.92%	7.79%	12.59%
Tree - Non ROW	2.33%	5.97%	57.53%	37.05%
Large Animal	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Contractor	0.78%	2.55%	3.21%	12.59%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100%	100%	100%	100%

**Corrections to be made:**

No corrections necessary at this time.

Substation Name and Number	HOLLOWAY	2
Substation Location	6447 Harrodsburg Rd., Nicholasville, KY 40356	
Circuit Name and Number	HOLLOWAY	104
Circuit Location	BGE HQ Office	
Total Circuit Length (Miles)	15.6	
2018 Member Count	690	
5 Year Average Member Count	677	
Date of Last Trim	December-17	
Date of Next Trim	2023	

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
7.431540924	0.088323028	19.83768116	0.163768116

Total Minutes/Frequency	25158.00	299.0000	13688.00	113.0000
Equipment Fault	5.31%	4.35%	8.24%	7.08%
Wind	0.00%	0.00%	0.00%	0.00%
Small Animal	2.29%	3.34%	0.00%	0.00%
Squirrel	0.29%	0.67%	0.20%	0.88%
Unknown Cause	0.09%	0.33%	0.00%	0.00%
Deterioration	2.94%	4.35%	0.00%	0.00%
Scheduled	10.95%	6.69%	0.00%	0.00%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.10%	0.33%	0.18%	0.88%
Overload	0.29%	0.67%	0.00%	0.00%
Public Accident	3.36%	6.02%	0.00%	0.00%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Tree - ROW	51.29%	51.17%	73.13%	84.96%
Lightning	12.06%	19.06%	0.00%	0.00%
Tree - Non ROW	11.04%	3.01%	18.26%	6.19%
Large Animal	0.00%	0.00%	0.00%	0.00%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

Corrected at time of outage. No corrections necessary at this time.





Substation Name and Number	HOLLOWAY	2
Substation Location	6447 Harrodsburg Rd., Nicholasville, KY 40356	
Circuit Name and Number	HOLLOWAY	124
Circuit Location	Keene	
Total Circuit Length (Miles)	33.6	
2018 Member Count	397	
5 Year Average Member Count	390	
Date of Last Trim	December-14	
Date of Next Trim	2019	

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
88.33774557	0.86611673	125.8186398	0.944584383

Total Minutes/Frequency	172062.00	1687.0000	49950.00	375.0000
Equipment Fault	1.44%	9.01%	1.01%	1.07%
Wind	0.86%	1.66%	0.00%	0.00%
Small Animal	1.85%	3.85%	0.00%	0.00%
Squirrel	1.68%	3.20%	3.00%	8.27%
Unknown Cause	2.59%	3.85%	6.17%	12.80%
Deterioration	2.02%	1.78%	5.67%	6.93%
Scheduled	0.41%	0.95%	1.41%	4.27%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.00%	0.00%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	13.61%	6.76%	8.35%	6.13%
Ice/Snow	1.12%	0.30%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Tree - ROW	13.29%	9.78%	22.15%	17.07%
Lightning	1.30%	2.85%	0.00%	0.00%
Tree - Non ROW	59.70%	55.78%	52.24%	43.47%
Large Animal	0.14%	0.24%	0.00%	0.00%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

Circuit to be trimmed in 2019. No corrections necessary at this time.

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 Broadwell  
 Total Circuit Length (Miles) 25.2  
 2018 Member Count 189  
 5 Year Average Member Count 187  
 Date of Last Trim April-14  
 Date of Next Trim 2020

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
59.06390194	0.735772231	95.53968254	0.751322751

Total Minutes/Frequency	55229.00	688.0000	18057.00	142.0000
Equipment Fault	16.87%	12.06%	0.00%	0.00%
Wind	0.00%	0.00%	0.00%	0.00%
Small Animal	3.17%	4.22%	7.11%	14.79%
Squirrel	0.08%	0.15%	0.00%	0.00%
Unknown Cause	1.71%	3.49%	0.00%	0.00%
Deterioration	0.20%	0.58%	0.00%	0.00%
Scheduled	1.83%	5.09%	0.00%	0.00%
Power Supplier	1.86%	5.52%	5.68%	26.76%
Bird	0.21%	0.29%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	13.07%	11.48%	12.63%	28.17%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Tree - ROW	0.27%	0.15%	0.00%	0.00%
Lightning	21.40%	20.35%	0.45%	0.70%
Tree - Non ROW	38.95%	36.05%	73.77%	28.17%
Large Animal	0.37%	0.58%	0.37%	1.41%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

No corrections necessary 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) 92.9  
 2018 Member Count 632  
 5 Year Average Member Count 625  
 Date of Last Trim August-13  
 Date of Next Trim 2020

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
82.26457463	1.023410006	151.2547468	1.194620253

Total Minutes/Frequency	257225.00	3200.0000	95593.00	755.0000
Equipment Fault	19.77%	13.53%	40.12%	45.96%
Wind	11.22%	21.56%	0.00%	0.00%
Small Animal	3.54%	4.50%	4.90%	8.21%
Squirrel	0.61%	0.59%	0.00%	0.00%
Unknown Cause	15.68%	10.75%	9.43%	8.87%
Deterioration	1.50%	2.09%	0.50%	3.71%
Scheduled	1.06%	1.72%	0.00%	0.00%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.62%	0.47%	0.00%	0.00%
Overload	0.05%	0.06%	0.00%	0.00%
Public Accident	0.91%	1.75%	0.05%	0.13%
Ice/Snow	0.08%	0.19%	0.23%	0.79%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	9.09%	19.56%	0.00%	0.00%
Tree - ROW	19.47%	8.63%	39.92%	27.42%
Lightning	4.81%	4.63%	3.69%	4.64%
Tree - Non ROW	8.00%	7.78%	1.16%	0.26%
Large Animal	3.59%	2.19%	0.00%	0.00%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

Equipment repaired at time of outage. No corrections necessary 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)	26.7	
2018 Member Count	207	
5 Year Average Member Count	205	
Date of Last Trim	February-14	
Date of Next Trim	2019	

	<b>5 Year Average</b>		<b>2018</b>	
	<b>SAIDI</b>	<b>SAIFI</b>	<b>SAIDI</b>	<b>SAIFI</b>
	<b>81.70182427</b>	<b>0.72940211</b>	<b>84.33816425</b>	<b>0.45410628</b>

<b>Total Minutes/Frequency</b>	<b>83673.00</b>	<b>747.0000</b>	<b>17458.00</b>	<b>94.0000</b>
Equipment Fault	35.91%	37.08%	0.00%	0.00%
Wind	4.41%	6.83%	0.00%	0.00%
Small Animal	10.11%	14.73%	2.41%	7.45%
Squirrel	0.00%	0.00%	0.00%	0.00%
Unknown Cause	7.60%	12.45%	3.53%	11.70%
Deterioration	16.12%	12.05%	0.00%	0.00%
Scheduled	0.85%	2.01%	0.00%	0.00%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.04%	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%
Ice/Snow	0.38%	0.27%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Tree - ROW	0.87%	0.40%	3.39%	2.13%
Lightning	4.79%	4.15%	0.00%	0.00%
Tree - Non ROW	18.92%	9.91%	90.67%	78.72%
Large Animal	0.00%	0.00%	0.00%	0.00%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

No corrections necessary 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 Davis  
 Total Circuit Length (Miles) 95.0  
 2018 Member Count 608  
 5 Year Average Member Count 666  
 Date of Last Trim May-14  
 Date of Next Trim 2020

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
128.9920719	1.168326086	265.4128289	2.550986842

Total Minutes/Frequency	429521.83	3890.3287	161371.00	1551.0000
Equipment Fault	18.50%	17.68%	31.77%	29.79%
Wind	1.03%	0.28%	2.20%	0.52%
Small Animal	0.76%	1.23%	0.46%	0.58%
Squirrel	0.03%	0.03%	0.00%	0.00%
Unknown Cause	1.21%	1.85%	2.84%	4.32%
Deterioration	1.77%	1.31%	0.04%	0.06%
Scheduled	1.34%	3.80%	1.19%	5.74%
Power Supplier	13.86%	30.34%	24.15%	39.26%
Bird	0.04%	0.08%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	1.75%	1.39%	0.05%	0.06%
Ice/Snow	2.97%	0.85%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.35%	0.87%	0.00%	0.00%
Tree - ROW	7.54%	5.55%	14.28%	9.03%
Lightning	26.10%	22.80%	2.82%	4.45%
Tree - Non ROW	22.66%	11.82%	20.18%	6.19%
Large Animal	0.07%	0.10%	0.00%	0.00%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

Equipment repaired at time of outage. No corrections necessary 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 White Oak  
 Total Circuit Length (Miles) 61.6  
 2018 Member Count 441  
 5 Year Average Member Count 483  
 Date of Last Trim November-16  
 Date of Next Trim 2022

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
70.68615257	0.960042726	95.71428571	1.371882086

Total Minutes/Frequency	170722.82	2318.7173	42210.00	605.0000
Equipment Fault	3.60%	2.59%	0.77%	0.50%
Wind	37.38%	32.04%	0.90%	1.16%
Small Animal	8.14%	7.46%	0.74%	1.65%
Squirrel	2.32%	1.73%	9.12%	6.12%
Unknown Cause	2.97%	2.63%	3.53%	4.79%
Deterioration	0.37%	0.39%	1.16%	0.99%
Scheduled	0.51%	0.39%	0.00%	0.00%
Power Supplier	20.72%	37.12%	47.84%	72.56%
Bird	1.37%	1.29%	3.65%	3.14%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	2.01%	1.98%	0.00%	0.00%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.24%	0.22%	0.00%	0.00%
Tree - ROW	2.08%	1.98%	0.22%	0.17%
Lightning	10.77%	8.24%	2.36%	1.98%
Tree - Non ROW	7.53%	1.94%	29.72%	6.94%
Large Animal	0.00%	0.00%	0.00%	0.00%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

Power Supplier caused outages. No corrections necessary at this time.

Substation Name and Number	LEES_LICK	34
Substation Location	HWY 1842, Cynthiana, KY 41031	
Circuit Name and Number	LEES_LICK	134
Circuit Location	Hicks/Muddy Ford	
Total Circuit Length (Miles)	58.7	
2018 Member Count	478	
5 Year Average Member Count	524	
Date of Last Trim	August-16	
Date of Next Trim	2022	

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
152.5821093	1.224353352	238.4497908	2.066945607

Total Minutes/Frequency	399438.72	3205.1866	113979.00	988.0000
Equipment Fault	29.85%	19.03%	19.47%	23.08%
Wind	1.02%	1.22%	0.00%	0.00%
Small Animal	1.69%	3.78%	0.51%	1.21%
Squirrel	1.14%	3.40%	0.00%	0.00%
Unknown Cause	3.78%	4.56%	0.00%	0.00%
Deterioration	0.15%	0.28%	0.18%	0.20%
Scheduled	0.89%	1.31%	0.00%	0.00%
Power Supplier	11.55%	35.85%	19.17%	48.08%
Bird	0.04%	0.09%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	1.51%	1.50%	0.00%	0.00%
Ice/Snow	0.01%	0.03%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Tree - ROW	15.85%	8.70%	0.23%	0.30%
Lightning	4.82%	6.21%	7.89%	6.98%
Tree - Non ROW	27.69%	14.01%	52.54%	20.14%
Large Animal	0.02%	0.03%	0.00%	0.00%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

Equipment repaired at time of outage. No corrections necessary at this time.



34-144

Substation Name and Number LEES\_LICK 34  
 Substation Location HWY 1842, Cynthiana, KY 41031  
 Circuit Name and Number LEES\_LICK 144  
 Circuit Location Newtown  
 Total Circuit Length (Miles) 3.1  
 2018 Member Count 15  
 5 Year Average Member Count 16  
 Date of Last Trim September-16  
 Date of Next Trim 2022

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
47.05514797	0.656857633	58.26666667	1.066666667

Total Minutes/Frequency	3865.60	53.9611	874.00	16.0000
Equipment Fault	5.15%	1.85%	22.77%	6.25%
Wind	0.00%	0.00%	0.00%	0.00%
Small Animal	4.94%	5.56%	0.00%	0.00%
Squirrel	0.00%	0.00%	0.00%	0.00%
Unknown Cause	0.00%	0.00%	0.00%	0.00%
Deterioration	39.11%	16.68%	0.00%	0.00%
Scheduled	0.00%	0.00%	0.00%	0.00%
Power Supplier	31.39%	55.52%	77.23%	93.75%
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%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Tree - ROW	0.00%	0.00%	0.00%	0.00%
Lightning	19.40%	20.39%	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%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

Power Supplier caused outages. No corrections necessary at this time.



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) 89.3  
 2018 Member Count 480  
 5 Year Average Member Count 478  
 Date of Last Trim March-14  
 Date of Next Trim 2020

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
128.957755	1.126864387	167.01875	1.079166667

Total Minutes/Frequency	307988.86	2691.2820	80169.00	518.0000
Equipment Fault	9.59%	8.73%	27.13%	33.20%
Wind	1.81%	1.97%	0.00%	0.00%
Small Animal	4.57%	4.83%	15.30%	20.27%
Squirrel	3.36%	2.49%	0.00%	0.00%
Unknown Cause	5.27%	7.47%	0.00%	0.00%
Deterioration	4.05%	2.53%	15.17%	12.16%
Scheduled	1.83%	6.58%	0.00%	0.00%
Power Supplier	14.26%	34.01%	0.00%	0.00%
Bird	0.00%	0.00%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	6.33%	6.06%	10.09%	12.74%
Ice/Snow	20.23%	8.06%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.76%	1.41%	0.00%	0.00%
Tree - ROW	7.56%	5.13%	4.14%	4.63%
Lightning	10.34%	7.21%	11.21%	9.65%
Tree - Non ROW	10.05%	3.53%	16.96%	7.34%
Large Animal	0.00%	0.00%	0.00%	0.00%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

Equipment repaired at time of outage. No corrections necessary 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)	14.6	
2018 Member Count	255	
5 Year Average Member Count	270	
Date of Last Trim	December-17	
Date of Next Trim	2023	

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
135.1202208	0.938479007	88.6745098	1.02745098

Total Minutes/Frequency	182276.00	1266.0000	22612.00	262.0000
Equipment Fault	4.07%	3.71%	0.00%	0.00%
Wind	0.00%	0.00%	0.00%	0.00%
Small Animal	3.98%	9.16%	10.65%	15.27%
Squirrel	0.00%	0.00%	0.00%	0.00%
Unknown Cause	0.82%	0.95%	0.00%	0.00%
Deterioration	0.14%	0.24%	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	0.04%	0.16%	0.00%	0.00%
Public Accident	0.00%	0.00%	0.00%	0.00%
Ice/Snow	4.26%	1.82%	33.66%	8.40%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Tree - ROW	59.06%	47.47%	6.21%	6.87%
Lightning	1.91%	3.08%	10.43%	9.54%
Tree - Non ROW	25.72%	33.41%	39.05%	59.92%
Large Animal	0.00%	0.00%	0.00%	0.00%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

No corrections necessary at this time.

Substation Name and Number	NEWBY	7
Substation Location	247 Maple Grove Rd., Richmond, KY 40475	
Circuit Name and Number	NEWBY	114
Circuit Location	Baldwin	
Total Circuit Length (Miles)	19.7	
2018 Member Count	128	
5 Year Average Member Count	135	
Date of Last Trim	July-18	
Date of Next Trim	2022	

	5 Year Average		2018	
	SAIDI	SAIFI	SAIDI	SAIFI
	148.7992033	0.847681997	284.9296875	0.765625
<b>Total Minutes/Frequency</b>	100758.00	574.0000	36471.00	98.0000
Equipment Fault	44.58%	23.00%	91.86%	69.39%
Wind	3.38%	2.09%	0.00%	0.00%
Small Animal	10.03%	24.22%	1.70%	9.18%
Squirrel	0.00%	0.00%	0.00%	0.00%
Unknown Cause	3.50%	6.97%	2.57%	8.16%
Deterioration	26.02%	21.78%	0.00%	0.00%
Scheduled	0.19%	0.52%	0.00%	0.00%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.00%	0.00%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	0.00%	0.00%	0.00%	0.00%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Tree - ROW	4.38%	7.14%	0.00%	0.00%
Lightning	6.70%	12.37%	0.50%	2.04%
Tree - Non ROW	1.22%	1.92%	3.38%	11.22%
Large Animal	0.00%	0.00%	0.00%	0.00%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

Equipment repaired at time of outage. No corrections necessary at this time.

Substation Name and Number	NEWBY	7
Substation Location	247 Maple Grove Rd., Richmond, KY 40475	
Circuit Name and Number	NEWBY	134
Circuit Location	Tates Creek Rd	
Total Circuit Length (Miles)	21.7	
2018 Member Count	382	
5 Year Average Member Count	404	
Date of Last Trim	November-15	
Date of Next Trim	2021	

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
16.71481621	0.188040445	33.32198953	0.303664921

Total Minutes/Frequency	33778.00	380.0000	12729.00	116.0000
Equipment Fault	4.65%	6.05%	9.22%	14.66%
Wind	5.89%	4.47%	10.96%	12.93%
Small Animal	26.31%	35.79%	16.53%	28.45%
Squirrel	8.20%	8.95%	0.00%	0.00%
Unknown Cause	15.74%	19.74%	0.14%	0.86%
Deterioration	4.83%	4.47%	0.00%	0.00%
Scheduled	0.10%	0.26%	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	0.63%	0.53%	0.00%	0.00%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Tree - ROW	5.28%	4.47%	1.41%	1.72%
Lightning	9.82%	7.37%	16.84%	17.24%
Tree - Non ROW	18.55%	7.89%	44.90%	24.14%
Large Animal	0.00%	0.00%	0.00%	0.00%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

No corrections necessary at this time.

Substation Name and Number	NEWBY	7
Substation Location	247 Maple Grove Rd., Richmond, KY 40475	
Circuit Name and Number	NEWBY	154
Circuit Location	Jiggwate	
Total Circuit Length (Miles)	29.9	
2018 Member Count	210	
5 Year Average Member Count	222	
Date of Last Trim	October-15	
Date of Next Trim	2021	

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
81.05071967	0.490578199	174.1333333	0.780952381

Total Minutes/Frequency	90042.00	545.0000	36568.00	164.0000
Equipment Fault	13.71%	10.46%	0.00%	0.00%
Wind	10.75%	6.61%	0.80%	1.22%
Small Animal	12.94%	24.59%	13.64%	31.10%
Squirrel	0.00%	0.00%	0.00%	0.00%
Unknown Cause	6.50%	13.39%	5.26%	15.24%
Deterioration	5.79%	4.22%	0.00%	0.00%
Scheduled	0.19%	0.18%	0.00%	0.00%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.00%	0.00%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	29.58%	11.19%	72.84%	37.20%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Tree - ROW	7.66%	9.36%	0.00%	0.00%
Lightning	9.66%	15.60%	7.45%	15.24%
Tree - Non ROW	2.81%	3.67%	0.00%	0.00%
Large Animal	0.29%	0.55%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Contractor	0.11%	0.18%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100%	100%	100%	100%

**Corrections to be made:**

Public Accident caused outages. No corrections necessary at this time.

Substation Name and Number	NICHOLASVILLE	1
Substation Location	1049 Bethany Rd., Nicholasville, KY 40356	
Circuit Name and Number	NICHOLASVILLE	124
Circuit Location	Spears	
Total Circuit Length (Miles)	45.6	
2018 Member Count	550	
5 Year Average Member Count	501	
Date of Last Trim	December-17	
Date of Next Trim	2023	

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
97.19925743	0.719509444	100.1436364	0.672727273

Total Minutes/Frequency	243434.00	1802.0000	55079.00	370.0000
Equipment Fault	26.00%	24.64%	0.65%	1.35%
Wind	1.24%	2.05%	5.00%	9.19%
Small Animal	5.15%	11.71%	1.12%	2.70%
Squirrel	17.32%	10.65%	71.56%	42.70%
Unknown Cause	1.07%	2.11%	4.60%	10.00%
Deterioration	0.00%	0.00%	0.00%	0.00%
Scheduled	0.15%	0.06%	0.00%	0.00%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.00%	0.00%	0.00%	0.00%
Overload	0.17%	0.11%	0.74%	0.54%
Public Accident	0.04%	0.11%	0.00%	0.00%
Ice/Snow	0.47%	0.39%	0.00%	0.00%
Fire	0.11%	0.11%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Tree - ROW	5.33%	7.49%	11.53%	19.46%
Lightning	42.56%	40.23%	4.23%	13.24%
Tree - Non ROW	0.39%	0.33%	0.57%	0.81%
Large Animal	0.00%	0.00%	0.00%	0.00%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

No corrections necessary at this time.



22-104

Substation Name and Number	NINEVAH	22
Substation Location	1746 Clifton Rd., Lawrenceburg, KY 40342	
Circuit Name and Number	NINEVAH	104
Circuit Location	Wild Cat/ Fox Creek Office	
Total Circuit Length (Miles)	44.4	
2018 Member Count	402	
5 Year Average Member Count	399	
Date of Last Trim	December-17	
Date of Next Trim	2023	

	<b>5 Year Average</b>		<b>2018</b>	
	<b>SAIDI</b>	<b>SAIFI</b>	<b>SAIDI</b>	<b>SAIFI</b>
	207.9352888	1.520356527	273.5472637	1.514925373

<b>Total Minutes/Frequency</b>	<b>415058.11</b>	<b>3034.7725</b>	<b>109966.00</b>	<b>609.0000</b>
Equipment Fault	0.36%	0.69%	0.00%	0.00%
Wind	5.21%	3.56%	6.36%	3.28%
Small Animal	0.77%	2.31%	0.11%	0.33%
Squirrel	0.41%	1.35%	0.00%	0.00%
Unknown Cause	1.06%	2.27%	0.14%	0.16%
Deterioration	2.47%	1.65%	0.05%	0.16%
Scheduled	0.73%	3.13%	0.00%	0.00%
Power Supplier	54.02%	38.94%	74.39%	66.17%
Bird	0.00%	0.00%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	0.37%	0.72%	0.00%	0.00%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Tree - ROW	2.60%	2.87%	0.10%	0.16%
Lightning	9.61%	19.38%	12.80%	19.87%
Tree - Non ROW	22.38%	23.13%	6.04%	9.85%
Large Animal	0.00%	0.00%	0.00%	0.00%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

Power Supplier caused outages. No corrections necessary 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 Walker Lane/Peach Tree  
 Total Circuit Length (Miles) 13.2  
 2018 Member Count 123  
 5 Year Average Member Count 122  
 Date of Last Trim September-18  
 Date of Next Trim 2024

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
91.46787892	0.643669273	171.1300813	1.008130081

Total Minutes/Frequency	55863.53	393.1176	21049.00	124.0000
Equipment Fault	0.00%	0.00%	0.00%	0.00%
Wind	0.06%	0.25%	0.17%	0.81%
Small Animal	0.38%	1.02%	0.00%	0.00%
Squirrel	0.03%	0.25%	0.00%	0.00%
Unknown Cause	0.24%	1.02%	0.00%	0.00%
Deterioration	0.00%	0.00%	0.00%	0.00%
Scheduled	0.20%	0.25%	0.00%	0.00%
Power Supplier	95.69%	91.61%	99.69%	98.39%
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%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Tree - ROW	0.00%	0.00%	0.00%	0.00%
Lightning	2.61%	4.83%	0.14%	0.81%
Tree - Non ROW	0.79%	0.76%	0.00%	0.00%
Large Animal	0.00%	0.00%	0.00%	0.00%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

Power Supplier caused outages. No corrections necessary 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 Lane's Mill/Dove Creek Estates  
 Total Circuit Length (Miles) 59.4  
 2018 Member Count 958  
 5 Year Average Member Count 951  
 Date of Last Trim December-17  
 Date of Next Trim 2023

	5 Year Average		2018	
	SAIDI	SAIFI	SAIDI	SAIFI
	296.4490373	2.050067301	398.2974948	1.892484342

Total Minutes/Frequency	1410165.89	9751.8784	381569.00	1813.0000
Equipment Fault	9.00%	11.54%	1.44%	2.32%
Wind	16.61%	20.52%	6.05%	0.99%
Small Animal	1.45%	3.25%	1.51%	3.42%
Squirrel	0.30%	0.83%	0.02%	0.06%
Unknown Cause	3.75%	7.01%	2.48%	6.45%
Deterioration	1.40%	1.39%	0.00%	0.00%
Scheduled	0.72%	2.39%	0.04%	0.22%
Power Supplier	42.07%	29.19%	63.94%	52.56%
Bird	0.40%	1.28%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	0.21%	0.57%	0.03%	0.22%
Ice/Snow	0.41%	0.30%	1.53%	1.60%
Fire	0.01%	0.02%	0.00%	0.00%
Sag/Clearance	0.27%	0.42%	0.00%	0.00%
Tree - ROW	1.16%	1.90%	0.46%	1.10%
Lightning	3.02%	2.71%	6.68%	7.78%
Tree - Non ROW	19.23%	16.67%	15.82%	23.28%
Large Animal	0.00%	0.00%	0.00%	0.00%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

Power Supplier caused outages. No corrections necessary 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  
 Total Circuit Length (Miles) 6.6  
 2018 Member Count 49  
 5 Year Average Member Count 49  
 Date of Last Trim September-18  
 Date of Next Trim 2024

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
458.2706984	3.169815296	530.8979592	3.530612245

Total Minutes/Frequency	111499.47	771.2314	26014.00	173.0000
Equipment Fault	13.92%	6.48%	0.00%	0.00%
Wind	0.00%	0.00%	0.00%	0.00%
Small Animal	0.09%	0.26%	0.00%	0.00%
Squirrel	1.26%	3.24%	0.00%	0.00%
Unknown Cause	1.45%	3.24%	0.00%	0.00%
Deterioration	8.50%	6.74%	0.29%	1.73%
Scheduled	1.63%	6.35%	0.00%	0.00%
Power Supplier	28.87%	18.44%	56.91%	27.17%
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%
Ice/Snow	1.41%	0.26%	6.04%	1.16%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Tree - ROW	18.24%	18.93%	28.11%	55.49%
Lightning	13.83%	26.58%	0.00%	0.00%
Tree - Non ROW	8.78%	6.22%	0.00%	0.00%
Large Animal	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Contractor	2.02%	3.24%	8.65%	14.45%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100%	100%	100%	100%

**Corrections to be made:**

Power Supplier caused outages. No corrections necessary at this time.

15-114

Substation Name and Number NORTH MADISON 15  
 Substation Location 2064 Jacks Creek Pike, Richmond KY 40475  
 Circuit Name and Number NORTH MADISON 114  
 Circuit Location Boones Trace  
 Total Circuit Length (Miles) 29.4  
 2018 Member Count 490  
 5 Year Average Member Count 435  
 Date of Last Trim November-16  
 Date of Next Trim 2022

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
123.1486148	0.88046756	260.944898	1.557142857

Total Minutes/Frequency	267706.00	1914.0000	127863.00	763.0000
Equipment Fault	19.16%	16.30%	0.80%	18.48%
Wind	0.00%	0.00%	0.00%	0.00%
Small Animal	3.54%	5.33%	1.76%	3.80%
Squirrel	0.00%	0.00%	0.00%	0.00%
Unknown Cause	0.55%	1.04%	0.00%	0.00%
Deterioration	0.36%	0.57%	0.00%	0.00%
Scheduled	0.71%	1.78%	0.00%	0.00%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.00%	0.00%	0.00%	0.00%
Overload	9.01%	13.58%	7.43%	19.40%
Public Accident	12.28%	17.82%	8.70%	5.24%
Ice/Snow	0.49%	0.73%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.09%	0.10%	0.00%	0.00%
Tree - ROW	0.06%	0.10%	0.00%	0.00%
Lightning	1.22%	1.46%	0.00%	0.00%
Tree - Non ROW	52.45%	40.86%	81.16%	52.29%
Large Animal	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Contractor	0.07%	0.31%	0.15%	0.79%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100%	100%	100%	100%

**Corrections to be made:**

No corrections necessary at this time.

15-124

Substation Name and Number	NORTH MADISON	15
Substation Location	2064 Jacks Creek Pike, Richmond KY 40475	
Circuit Name and Number	NORTH MADISON	124
Circuit Location	Indigo Run	
Total Circuit Length (Miles)	17.3	
2018 Member Count	400	
5 Year Average Member Count	355	
Date of Last Trim	November-15	
Date of Next Trim	2021	

	<b>5 Year Average</b>		<b>2018</b>	
	<b>SAIDI</b>	<b>SAIFI</b>	<b>SAIDI</b>	<b>SAIFI</b>
	3.758662653	0.027612364	8.11	0.0275

	6670.00	49.0000	3244.00	11.0000
<b>Total Minutes/Frequency</b>				
Equipment Fault	12.05%	10.20%	0.00%	0.00%
Wind	0.00%	0.00%	0.00%	0.00%
Small Animal	11.03%	20.41%	6.47%	27.27%
Squirrel	0.00%	0.00%	0.00%	0.00%
Unknown Cause	4.20%	8.16%	2.71%	9.09%
Deterioration	1.77%	4.08%	0.00%	0.00%
Scheduled	4.42%	8.16%	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	1.00%	2.04%	2.07%	9.09%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Tree - ROW	0.00%	0.00%	0.00%	0.00%
Lightning	62.91%	40.82%	88.75%	54.55%
Tree - Non ROW	2.61%	6.12%	0.00%	0.00%
Large Animal	0.00%	0.00%	0.00%	0.00%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

Storm related outages. No corrections necessary at this time.

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	Stringtown/Tates Creek	
Total Circuit Length (Miles)	31.0	
2018 Member Count	245	
5 Year Average Member Count	217	
Date of Last Trim	November-16	
Date of Next Trim	2022	

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
71.8330885	0.422293219	245.3183673	1.191836735

Total Minutes/Frequency	78077.00	459.0000	60103.00	292.0000
Equipment Fault	1.78%	2.61%	2.31%	4.11%
Wind	0.15%	0.22%	0.00%	0.00%
Small Animal	7.06%	13.07%	1.68%	6.16%
Squirrel	0.00%	0.00%	0.00%	0.00%
Unknown Cause	2.32%	4.79%	0.00%	0.00%
Deterioration	4.15%	5.88%	0.00%	0.00%
Scheduled	0.57%	2.61%	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	0.24%	0.44%	0.00%	0.00%
Ice/Snow	1.53%	0.87%	1.99%	1.37%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Tree - ROW	6.21%	7.63%	0.44%	1.03%
Lightning	3.93%	7.84%	0.24%	2.74%
Tree - Non ROW	0.53%	0.44%	0.43%	0.34%
Large Animal	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Contractor	0.00%	0.00%	0.00%	0.00%
Flash Flood	71.52%	53.59%	92.91%	84.25%
	100%	100%	100%	100%

**Corrections to be made:**

Storm related outages. No corrections necessary at this time.

40-114

Substation Name and Number	OXFORD	40
Substation Location	3466 Cynthiana Rd., Georgetown, KY 40324	
Circuit Name and Number	OXFORD	114
Circuit Location	Finnell Pike	
Total Circuit Length (Miles)	20.6	
2018 Member Count	175	
5 Year Average Member Count	142	
Date of Last Trim	May-14	
Date of Next Trim	2019	

	<b>5 Year Average</b>		<b>2018</b>	
	<b>SAIDI</b>	<b>SAIFI</b>	<b>SAIDI</b>	<b>SAIFI</b>
	120.9103395	1.293457669	228.5714286	1.76

<b>Total Minutes/Frequency</b>	<b>85564.46</b>	<b>915.3395</b>	<b>40000.00</b>	<b>308.0000</b>
Equipment Fault	7.53%	5.13%	9.92%	8.12%
Wind	0.02%	0.11%	0.00%	0.00%
Small Animal	6.48%	9.50%	7.71%	14.29%
Squirrel	0.76%	1.31%	0.00%	0.00%
Unknown Cause	1.70%	2.95%	0.00%	0.00%
Deterioration	14.98%	10.27%	0.00%	0.00%
Scheduled	4.14%	17.59%	0.00%	0.00%
Power Supplier	36.95%	36.85%	48.03%	55.84%
Bird	0.00%	0.00%	0.00%	0.00%
Overload	0.08%	0.11%	0.00%	0.00%
Public Accident	0.05%	0.11%	0.10%	0.32%
Ice/Snow	1.49%	2.62%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Tree - ROW	0.05%	0.11%	0.00%	0.00%
Lightning	5.39%	3.82%	5.55%	3.57%
Tree - Non ROW	20.38%	9.50%	28.70%	17.86%
Large Animal	0.00%	0.00%	0.00%	0.00%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

Power Supplier caused outages. No corrections necessary 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)	22.8	
2018 Member Count	324	
5 Year Average Member Count	262	
Date of Last Trim	June-17	
Date of Next Trim	2021	

	5 Year Average		2018	
	SAIDI	SAIFI	SAIDI	SAIFI
	53.9047113	0.576155621	118.2098765	1.043209877

Total Minutes/Frequency	70625.85	754.8780	38300.00	338.0000
Equipment Fault	1.45%	1.06%	2.67%	2.37%
Wind	0.63%	0.79%	0.00%	0.00%
Small Animal	0.74%	1.06%	0.02%	0.30%
Squirrel	0.24%	0.40%	0.00%	0.00%
Unknown Cause	3.62%	5.83%	0.00%	0.00%
Deterioration	0.30%	0.93%	0.00%	0.00%
Scheduled	0.65%	2.25%	0.30%	1.78%
Power Supplier	80.27%	79.07%	93.02%	93.49%
Bird	0.13%	0.13%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	0.31%	0.40%	0.00%	0.00%
Ice/Snow	1.00%	0.79%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Tree - ROW	0.55%	0.79%	0.00%	0.00%
Lightning	10.11%	6.49%	3.99%	2.07%
Tree - Non ROW	0.00%	0.00%	0.00%	0.00%
Large Animal	0.00%	0.00%	0.00%	0.00%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

Power Supplier caused outages. No corrections necessary 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 Industrial Park  
 Total Circuit Length (Miles) 30.9  
 2018 Member Count 296  
 5 Year Average Member Count 239  
 Date of Last Trim August-16  
 Date of Next Trim 2022

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
33.57892328	0.344202135	176.8243243	1.800675676

Total Minutes/Frequency	40193.00	412.0000	52340.00	533.0000
Equipment Fault	0.74%	0.73%	0.40%	0.19%
Wind	47.09%	38.35%	0.00%	0.00%
Small Animal	16.21%	26.46%	12.35%	20.26%
Squirrel	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%	63.75%	54.97%
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%
Ice/Snow	0.91%	0.49%	0.70%	0.38%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Tree - ROW	10.20%	10.68%	7.83%	8.26%
Lightning	5.50%	2.67%	0.23%	0.19%
Tree - Non ROW	19.35%	20.63%	14.74%	15.76%
Large Animal	0.00%	0.00%	0.00%	0.00%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

Power Supplier caused outages. No corrections necessary 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) 57.3  
 2018 Member Count 378  
 5 Year Average Member Count 373  
 Date of Last Trim November-17  
 Date of Next Trim 2023

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
205.7261058	1.575228316	241.6931217	0.978835979

Total Minutes/Frequency	383444.00	2936.0000	91360.00	370.0000
Equipment Fault	2.19%	1.91%	0.60%	0.81%
Wind	23.85%	15.57%	23.57%	10.27%
Small Animal	2.12%	2.08%	0.13%	1.35%
Squirrel	0.24%	0.48%	0.21%	0.54%
Unknown Cause	0.80%	1.33%	0.00%	0.00%
Deterioration	0.09%	0.17%	0.00%	0.00%
Scheduled	0.54%	2.28%	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	1.93%	2.38%	0.00%	0.00%
Ice/Snow	13.04%	4.80%	54.74%	38.11%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Tree - ROW	3.68%	7.25%	0.53%	10.00%
Lightning	8.10%	12.77%	1.13%	2.97%
Tree - Non ROW	41.96%	44.93%	19.09%	35.95%
Large Animal	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Contractor	1.47%	4.05%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100%	100%	100%	100%

**Corrections to be made:**

Storm related outages. No corrections necessary at this time.

28-124

Substation Name and Number POWELL TAYLOR 28  
 Substation Location 1024 Powell Taylor Rd., Lawrenceburg, KY 40342  
 Circuit Name and Number POWELL TAYLOR 124  
 Circuit Location Puckett Rd  
 Total Circuit Length (Miles) 33.7  
 2018 Member Count 343  
 5 Year Average Member Count 338  
 Date of Last Trim March-18  
 Date of Next Trim 2024

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
91.06843999	0.729625995	139.2944606	1.259475219

Total Minutes/Frequency	154022.00	1234.0000	47778.00	432.0000
Equipment Fault	32.00%	37.03%	79.46%	80.09%
Wind	5.21%	8.10%	2.51%	0.46%
Small Animal	11.39%	13.13%	0.00%	0.00%
Squirrel	0.13%	0.32%	0.00%	0.00%
Unknown Cause	0.98%	2.27%	0.00%	0.00%
Deterioration	0.89%	1.70%	0.10%	0.93%
Scheduled	0.11%	0.16%	0.00%	0.00%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.28%	0.57%	0.00%	0.00%
Overload	0.07%	0.16%	0.00%	0.00%
Public Accident	0.72%	1.05%	1.42%	1.39%
Ice/Snow	4.00%	4.94%	12.91%	14.12%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.45%	0.97%	0.00%	0.00%
Tree - ROW	0.03%	0.08%	0.00%	0.00%
Lightning	10.17%	10.05%	3.61%	3.01%
Tree - Non ROW	33.58%	19.45%	0.00%	0.00%
Large Animal	0.00%	0.00%	0.00%	0.00%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

Equipment repaired at time of outage. No corrections necessary 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	Ashby Rd	
Total Circuit Length (Miles)	68.8	
2018 Member Count	472	
5 Year Average Member Count	467	
Date of Last Trim	June-18	
Date of Next Trim	2024	

	<b>5 Year Average</b>		<b>2018</b>	
	<b>SAIDI</b>	<b>SAIFI</b>	<b>SAIDI</b>	<b>SAIFI</b>
	231.3205263	1.820638075	326.6970339	0.877118644

<b>Total Minutes/Frequency</b>	540568.28	4254.6124	154201.00	414.0000
Equipment Fault	17.19%	9.50%	0.30%	0.48%
Wind	31.30%	14.48%	80.73%	50.48%
Small Animal	1.07%	2.02%	0.12%	0.72%
Squirrel	0.28%	0.38%	0.00%	0.00%
Unknown Cause	3.46%	5.38%	0.00%	0.00%
Deterioration	0.17%	0.31%	0.04%	0.24%
Scheduled	0.11%	0.12%	0.00%	0.00%
Power Supplier	21.97%	43.99%	0.00%	0.00%
Bird	0.00%	0.00%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	0.75%	0.80%	0.14%	0.24%
Ice/Snow	3.50%	1.88%	5.01%	8.94%
Fire	0.80%	1.10%	2.77%	11.11%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Tree - ROW	3.06%	1.48%	7.69%	5.31%
Lightning	8.74%	7.57%	2.57%	11.84%
Tree - Non ROW	7.56%	10.95%	0.54%	10.14%
Large Animal	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Contractor	0.01%	0.02%	0.05%	0.24%
Flash Flood	0.01%	0.02%	0.05%	0.24%
	100%	100%	100%	100%

**Corrections to be made:**

Storm related outages. No corrections necessary 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	Glensboro	
Total Circuit Length (Miles)	57.0	
2018 Member Count	370	
5 Year Average Member Count	366	
Date of Last Trim	March-13	
Date of Next Trim	2019	

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
165.5946578	1.736596916	279.2810811	1.313513514

Total Minutes/Frequency	303348.91	3181.2305	103334.00	486.0000
Equipment Fault	6.22%	4.15%	7.32%	14.20%
Wind	10.73%	4.34%	20.40%	6.38%
Small Animal	1.62%	2.23%	0.30%	0.82%
Squirrel	0.31%	0.44%	0.06%	0.21%
Unknown Cause	3.20%	3.68%	0.00%	0.00%
Deterioration	0.30%	0.50%	0.15%	0.62%
Scheduled	0.72%	3.24%	1.86%	13.17%
Power Supplier	30.37%	45.56%	0.00%	0.00%
Bird	0.08%	0.13%	0.00%	0.00%
Overload	0.03%	0.09%	0.05%	0.41%
Public Accident	4.88%	7.10%	2.85%	13.17%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Tree - ROW	0.18%	0.16%	0.13%	0.41%
Lightning	4.23%	6.51%	0.77%	0.82%
Tree - Non ROW	37.13%	21.88%	66.12%	49.79%
Large Animal	0.00%	0.00%	0.00%	0.00%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

No corrections necessary at this time.



12-114

Substation Name and Number SOUTH ELKHORN 12  
 Substation Location 3251 Keene Rd., Nicholasville, KY 40356  
 Circuit Name and Number SOUTH ELKHORN 114  
 Circuit Location Bellarive & Equestrian Woods  
 Total Circuit Length (Miles) 16.8  
 2018 Member Count 430  
 5 Year Average Member Count 425  
 Date of Last Trim May-15  
 Date of Next Trim 2019

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
65.35212111	0.924986465	85.62325581	1.265116279

Total Minutes/Frequency	139009.97	1967.5312	36818.00	544.0000
Equipment Fault	3.00%	1.73%	4.14%	3.31%
Wind	0.29%	0.10%	0.00%	0.00%
Small Animal	27.07%	21.35%	0.00%	0.00%
Squirrel	0.43%	0.56%	0.00%	0.00%
Unknown Cause	0.40%	0.46%	0.27%	0.37%
Deterioration	8.21%	4.02%	7.68%	7.54%
Scheduled	0.02%	0.15%	0.00%	0.00%
Power Supplier	14.39%	21.63%	0.00%	0.00%
Bird	17.18%	21.30%	0.00%	0.00%
Overload	0.32%	2.08%	1.22%	7.54%
Public Accident	0.00%	0.00%	0.00%	0.00%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Tree - ROW	23.68%	23.58%	86.36%	80.88%
Lightning	0.08%	0.10%	0.32%	0.37%
Tree - Non ROW	3.02%	1.73%	0.00%	0.00%
Large Animal	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Contractor	1.91%	1.22%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100%	100%	100%	100%

**Corrections to be made:**

Circuit to be trimmed in 2019. No corrections necessary at this time.

14-114

Substation Name and Number SOUTH JESSAMINE 14  
 Substation Location 1307 Chrisman Mill Rd., Nicholasville, KY 40356  
 Circuit Name and Number SOUTH JESSAMINE 114  
 Circuit Location Locust Heights/Southbrook  
 Total Circuit Length (Miles) 24.2  
 2018 Member Count 875  
 5 Year Average Member Count 841  
 Date of Last Trim August-16  
 Date of Next Trim 2022

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
76.96549848	0.811858793	122.2891429	1.032

Total Minutes/Frequency	323463.00	3412.0000	107003.00	903.0000
Equipment Fault	2.13%	3.69%	0.20%	0.22%
Wind	0.00%	0.00%	0.00%	0.00%
Small Animal	6.96%	9.55%	0.10%	0.22%
Squirrel	5.79%	6.36%	1.19%	2.99%
Unknown Cause	0.01%	0.03%	0.02%	0.11%
Deterioration	0.57%	0.82%	0.00%	0.00%
Scheduled	0.08%	0.26%	0.00%	0.00%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.02%	0.06%	0.00%	0.00%
Overload	0.12%	0.18%	0.00%	0.00%
Public Accident	20.56%	29.63%	0.00%	0.00%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	29.25%	21.83%	0.00%	0.00%
Tree - ROW	0.36%	0.50%	0.00%	0.00%
Lightning	1.58%	1.55%	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%
Vandalism	0.00%	0.00%	0.00%	0.00%
Contractor	32.58%	25.53%	98.49%	96.46%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100%	100%	100%	100%

**Corrections to be made:**

Contractor caused outage. No corrections necessary at this time.

14-144

Substation Name and Number	SOUTH JESSAMINE	14
Substation Location	1307 Chrisman Mill Rd., Nicholasville, KY 40356	
Circuit Name and Number	SOUTH JESSAMINE	144
Circuit Location	Industrial Park	
Total Circuit Length (Miles)	4.5	
2018 Member Count	28	
5 Year Average Member Count	27	
Date of Last Trim	December-16	
Date of Next Trim	2022	

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
5.242164137	0.074356938	7	0.107142857

Total Minutes/Frequency	705.00	10.0000	196.00	3.0000
Equipment Fault	15.46%	10.00%	55.61%	33.33%
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%
Unknown Cause	12.34%	20.00%	44.39%	66.67%
Deterioration	0.00%	0.00%	0.00%	0.00%
Scheduled	1.84%	10.00%	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	54.04%	40.00%	0.00%	0.00%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Tree - ROW	6.95%	10.00%	0.00%	0.00%
Lightning	9.36%	10.00%	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%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

Equipment repaired at time of outage. No corrections necessary at this time.

17-114

Substation Name and Number	SOUTH POINT	17
Substation Location	Laudale Drive, Nicholasville, KY	40356
Circuit Name and Number	SOUTH POINT	114
Circuit Location	Southpoint Drive	
Total Circuit Length (Miles)	6.6	
2018 Member Count	470	
5 Year Average Member Count	385	
Date of Last Trim	February-15	
Date of Next Trim	2021	

	5 Year Average		2018	
	SAIDI	SAIFI	SAIDI	SAIFI
	5.773436914	0.053014995	19.45531915	0.174468085

Total Minutes/Frequency	11108.00	102.0000	9144.00	82.0000
Equipment Fault	4.11%	3.92%	0.00%	0.00%
Wind	0.00%	0.00%	0.00%	0.00%
Small Animal	2.83%	5.88%	0.00%	0.00%
Squirrel	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	0.45%	1.96%	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	0.55%	0.98%	0.00%	0.00%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Tree - ROW	84.75%	84.31%	100.00%	100.00%
Lightning	7.32%	2.94%	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%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

Corrected at time of outage. No corrections necessary at this time.

17-124

Substation Name and Number SOUTH POINT 17  
 Substation Location Laudale Drive, Nicholasville, KY 40356  
 Circuit Name and Number SOUTH POINT 124  
 Circuit Location Brannon Crossing Movie Tavern  
 Total Circuit Length (Miles) 8.1  
 2018 Member Count 278  
 5 Year Average Member Count 228  
 Date of Last Trim February-15  
 Date of Next Trim 2021

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
3.325963658	0.072055223	3.208633094	0.082733813

Total Minutes/Frequency	3785.00	82.0000	892.00	23.0000
Equipment Fault	7.08%	7.32%	0.00%	0.00%
Wind	3.83%	6.10%	16.26%	21.74%
Small Animal	10.44%	9.76%	0.00%	0.00%
Squirrel	9.91%	12.20%	9.53%	21.74%
Unknown Cause	0.00%	0.00%	0.00%	0.00%
Deterioration	0.85%	2.44%	3.59%	8.70%
Scheduled	9.67%	3.66%	41.03%	13.04%
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	4.60%	3.66%	19.51%	13.04%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Tree - ROW	20.58%	8.54%	0.00%	0.00%
Lightning	13.47%	30.49%	10.09%	21.74%
Tree - Non ROW	19.58%	15.85%	0.00%	0.00%
Large Animal	0.00%	0.00%	0.00%	0.00%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

No corrections necessary at this time.

24-114

Substation Name and Number VAN\_ARSDPELL 24  
 Substation Location 104 Bardstown Rd., Harrodsburg, KY 40330  
 Circuit Name and Number VAN\_ARSDPELL 114  
 Circuit Location Shakertown/Mcafee Ln  
 Total Circuit Length (Miles) 127.4  
 2018 Member Count 925  
 5 Year Average Member Count 918  
 Date of Last Trim December-14  
 Date of Next Trim 2020

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
102.0997315	1.140909426	108.9221622	0.583783784

Total Minutes/Frequency	468825.21	5238.8688	100753.00	540.0000
Equipment Fault	4.29%	3.91%	5.91%	12.78%
Wind	17.63%	4.12%	54.01%	20.19%
Small Animal	6.31%	7.54%	12.78%	21.48%
Squirrel	3.24%	2.00%	12.37%	11.30%
Unknown Cause	2.73%	3.82%	1.22%	2.96%
Deterioration	0.97%	1.30%	0.28%	0.93%
Scheduled	3.40%	21.76%	0.00%	0.00%
Power Supplier	33.70%	34.13%	0.00%	0.00%
Bird	0.59%	0.99%	0.00%	0.00%
Overload	0.22%	0.29%	0.00%	0.00%
Public Accident	1.87%	2.27%	0.86%	1.11%
Ice/Snow	0.55%	0.13%	0.17%	0.19%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.12%	0.11%	0.00%	0.00%
Tree - ROW	3.04%	3.49%	0.88%	3.89%
Lightning	4.70%	4.70%	7.60%	15.00%
Tree - Non ROW	16.08%	8.63%	3.93%	10.19%
Large Animal	0.23%	0.25%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Contractor	0.33%	0.55%	0.00%	0.00%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100%	100%	100%	100%

**Corrections to be made:**

Storm related outages. No corrections necessary at this time.

24-124

Substation Name and Number VAN\_ARSDPELL 24  
 Substation Location 104 Bardstown Rd., Harrodsburg, KY 40330  
 Circuit Name and Number VAN\_ARSDPELL 124  
 Circuit Location Bohon  
 Total Circuit Length (Miles) 40.3  
 2018 Member Count 340  
 5 Year Average Member Count 338  
 Date of Last Trim April-13  
 Date of Next Trim 2019

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
120.5216908	1.197625904	211.5558824	1.270588235

Total Minutes/Frequency	203417.71	2021.3649	71929.00	432.0000
Equipment Fault	10.33%	7.96%	0.00%	0.00%
Wind	7.45%	9.25%	0.23%	0.23%
Small Animal	3.04%	4.30%	4.18%	6.94%
Squirrel	0.93%	0.79%	0.00%	0.00%
Unknown Cause	5.74%	4.40%	0.00%	0.00%
Deterioration	2.11%	3.17%	2.73%	6.25%
Scheduled	2.89%	13.26%	0.00%	0.00%
Power Supplier	28.56%	32.42%	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%	0.30%	1.55%	0.93%
Ice/Snow	31.19%	16.97%	88.19%	79.40%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Tree - ROW	0.27%	0.25%	0.65%	0.69%
Lightning	3.19%	3.31%	0.56%	1.39%
Tree - Non ROW	3.49%	3.22%	1.39%	2.55%
Large Animal	0.04%	0.05%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Contractor	0.00%	0.00%	0.00%	0.00%
Flash Flood	0.18%	0.35%	0.52%	1.62%
	100%	100%	100%	100%

**Corrections to be made:**

Storm related outages. No corrections necessary at this time.

24-134

Substation Name and Number VAN\_ARSDOLL 24  
 Substation Location 104 Bardstown Rd., Harrodsburg, KY 40330  
 Circuit Name and Number VAN\_ARSDOLL 134  
 Circuit Location Cornishville/Bushtown  
 Total Circuit Length (Miles) 72.3  
 2018 Member Count 440  
 5 Year Average Member Count 437  
 Date of Last Trim May-15  
 Date of Next Trim 2021

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
401.8820231	2.619460051	633.9795455	2.788636364

Total Minutes/Frequency	877800.61	5721.4891	278951.00	1227.0000
Equipment Fault	42.84%	26.81%	58.57%	46.86%
Wind	0.00%	0.00%	0.00%	0.00%
Small Animal	1.92%	3.60%	3.85%	9.86%
Squirrel	1.05%	2.25%	0.05%	0.16%
Unknown Cause	1.22%	2.48%	0.00%	0.00%
Deterioration	1.10%	1.31%	0.00%	0.00%
Scheduled	0.86%	4.68%	0.00%	0.00%
Power Supplier	12.52%	25.60%	0.00%	0.00%
Bird	0.00%	0.00%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	0.81%	0.73%	0.05%	0.16%
Ice/Snow	6.43%	2.53%	20.23%	11.82%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Tree - ROW	2.22%	1.84%	0.00%	0.00%
Lightning	28.44%	27.07%	15.95%	26.65%
Tree - Non ROW	0.57%	1.07%	1.30%	4.48%
Large Animal	0.01%	0.02%	0.00%	0.00%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

Equipment repaired at time of outage. No corrections necessary at this time.



24-144

Substation Name and Number VAN\_ARSDHELL 24  
 Substation Location 104 Bardstown Rd., Harrodsburg, KY 40330  
 Circuit Name and Number VAN\_ARSDHELL 144  
 Circuit Location Kirkwood  
 Total Circuit Length (Miles) 88.3  
 2018 Member Count 610  
 5 Year Average Member Count 606  
 Date of Last Trim March-15  
 Date of Next Trim 2021

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
128.8962258	0.900977673	173.4737705	1.17704918

Total Minutes/Frequency	390314.48	2728.2772	105819.00	718.0000
Equipment Fault	22.81%	18.62%	2.65%	4.87%
Wind	20.28%	19.35%	63.35%	60.86%
Small Animal	1.07%	2.79%	1.26%	3.20%
Squirrel	0.03%	0.11%	0.00%	0.00%
Unknown Cause	2.04%	3.37%	0.00%	0.00%
Deterioration	0.31%	0.92%	0.07%	0.28%
Scheduled	0.03%	0.04%	0.00%	0.00%
Power Supplier	18.57%	21.97%	0.00%	0.00%
Bird	0.00%	0.00%	0.00%	0.00%
Overload	0.01%	0.04%	0.00%	0.00%
Public Accident	4.25%	6.30%	9.50%	6.55%
Ice/Snow	4.38%	1.83%	15.73%	6.69%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.48%	1.21%	1.76%	4.60%
Tree - ROW	1.83%	4.29%	3.09%	8.50%
Lightning	13.77%	8.80%	2.09%	3.06%
Tree - Non ROW	10.13%	10.34%	0.50%	1.39%
Large Animal	0.01%	0.04%	0.00%	0.00%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

Storm related outages. No corrections necessary at this time.

Substation Name and Number	WEST BERA	8
Substation Location	5350 Walnutmeadow Rd., Berea, KY 40403	
Circuit Name and Number	WEST BERA	134
Circuit Location	Wallacton	
Total Circuit Length (Miles)	36.2	
2018 Member Count	466	
5 Year Average Member Count	456	
Date of Last Trim	December-15	
Date of Next Trim	2021	

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
172.6348688	1.591941465	266.167382	0.809012876

Total Minutes/Frequency	393648.00	3630.0000	124034.00	377.0000
Equipment Fault	21.29%	20.14%	0.54%	2.39%
Wind	0.90%	1.68%	0.58%	2.65%
Small Animal	9.49%	17.02%	1.20%	6.37%
Squirrel	0.19%	0.41%	0.00%	0.00%
Unknown Cause	2.47%	3.58%	0.00%	0.00%
Deterioration	0.58%	1.16%	0.07%	0.27%
Scheduled	0.37%	0.28%	0.30%	0.53%
Power Supplier	8.50%	12.29%	0.00%	0.00%
Bird	0.00%	0.00%	0.00%	0.00%
Overload	0.03%	0.06%	0.00%	0.00%
Public Accident	15.54%	13.47%	0.00%	0.00%
Ice/Snow	27.54%	6.94%	87.42%	66.84%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Tree - ROW	5.68%	4.08%	1.94%	8.22%
Lightning	3.19%	2.45%	4.26%	7.43%
Tree - Non ROW	4.16%	16.34%	3.49%	4.24%
Large Animal	0.00%	0.00%	0.00%	0.00%
Vandalism	0.00%	0.00%	0.00%	0.00%
Contractor	0.06%	0.11%	0.19%	1.06%
Flash Flood	0.00%	0.00%	0.00%	0.00%
	100%	100%	100%	100%

**Corrections to be made:**

Storm related outages. No corrections necessary at this time.

Substation Name and Number	WEST BERA	8
Substation Location	5350 Walnutmeadow Rd., Berea, KY 40403	
Circuit Name and Number	WEST BERA	154
Circuit Location	Dogwood	
Total Circuit Length (Miles)	44.6	
2018 Member Count	1221	
5 Year Average Member Count	1195	
Date of Last Trim	November-15	
Date of Next Trim	2021	

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
154.108235	1.24560513	198.2219492	1.424242424

Total Minutes/Frequency	920736.00	7442.0000	242029.00	1739.0000
Equipment Fault	7.51%	7.12%	0.61%	1.09%
Wind	0.50%	1.03%	0.37%	1.21%
Small Animal	3.30%	6.23%	2.28%	5.41%
Squirrel	0.19%	0.54%	0.00%	0.00%
Unknown Cause	1.91%	2.57%	0.50%	1.21%
Deterioration	0.01%	0.01%	0.00%	0.00%
Scheduled	0.75%	0.64%	0.00%	0.00%
Power Supplier	9.10%	14.82%	0.00%	0.00%
Bird	0.00%	0.00%	0.00%	0.00%
Overload	0.05%	0.07%	0.04%	0.06%
Public Accident	31.12%	28.47%	62.40%	54.11%
Ice/Snow	3.60%	1.29%	13.68%	5.52%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.12%	0.26%	0.00%	0.00%
Tree - ROW	3.67%	4.97%	1.47%	2.36%
Lightning	6.22%	8.53%	0.54%	1.21%
Tree - Non ROW	31.94%	23.43%	18.11%	27.83%
Large Animal	0.00%	0.00%	0.00%	0.00%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

Public Accident caused outages. No corrections necessary 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	Shun Pike	
Total Circuit Length (Miles)	48.0	
2018 Member Count	421	
5 Year Average Member Count	417	
Date of Last Trim	April-15	
Date of Next Trim	2021	

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
111.4339931	0.901315136	165.1045131	0.714964371

Total Minutes/Frequency	232438.82	1880.0424	69509.00	301.0000
Equipment Fault	1.02%	1.33%	2.14%	4.98%
Wind	0.20%	0.59%	0.19%	2.33%
Small Animal	11.05%	27.98%	0.07%	0.33%
Squirrel	0.53%	1.12%	0.00%	0.00%
Unknown Cause	0.94%	1.97%	0.00%	0.00%
Deterioration	0.10%	0.27%	0.13%	0.66%
Scheduled	0.61%	0.90%	0.00%	0.00%
Power Supplier	0.00%	0.00%	0.00%	0.00%
Bird	0.21%	0.59%	0.00%	0.00%
Overload	0.00%	0.00%	0.00%	0.00%
Public Accident	13.23%	12.07%	3.24%	15.28%
Ice/Snow	5.07%	5.05%	0.00%	0.00%
Fire	0.15%	0.16%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Tree - ROW	9.78%	6.38%	21.57%	22.59%
Lightning	2.75%	3.30%	0.47%	3.99%
Tree - Non ROW	54.36%	38.30%	72.18%	49.83%
Large Animal	0.00%	0.00%	0.00%	0.00%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

No corrections necessary at this time.

18-214

Substation Name and Number WEST NICHOLASVILLE 2 18  
 Substation Location 398 Bass Pond Glen Dr., Nicholasville, KY 40356  
 Circuit Name and Number WEST NICHOLASVILLE 2 214  
 Circuit Location Bell Place/Keene Crossing  
 Total Circuit Length (Miles) 11.0  
 2018 Member Count 681  
 5 Year Average Member Count 674  
 Date of Last Trim December-15  
 Date of Next Trim 2021

5 Year Average		2018	
SAIDI	SAIFI	SAIDI	SAIFI
15.88579755	0.178065284	48.95447871	0.422907489

Total Minutes/Frequency	53528.00	600.0000	33338.00	288.0000
Equipment Fault	87.06%	74.17%	99.57%	94.44%
Wind	0.00%	0.00%	0.00%	0.00%
Small Animal	3.98%	9.00%	0.43%	5.56%
Squirrel	4.18%	9.17%	0.00%	0.00%
Unknown Cause	3.30%	5.67%	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%
Ice/Snow	0.00%	0.00%	0.00%	0.00%
Fire	0.00%	0.00%	0.00%	0.00%
Sag/Clearance	0.00%	0.00%	0.00%	0.00%
Tree - ROW	0.19%	0.50%	0.00%	0.00%
Lightning	1.28%	1.50%	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%
Vandalism	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%	100%	100%	100%

**Corrections to be made:**

Equipment repaired at time of outage. No corrections necessary at this time.



# **DISTRIBUTION RIGHT-OF-WAY VEGETATION MANAGEMENT 2019 PLAN/ 2018 PLAN REVIEW**

**April 2019**

# Blue Grass Energy Vegetation Management Plan

## 2018 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 plan's 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 2018.

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.

## 2016-2019 Vegetation Management Strategy

### SCHEDULED MAINTENANCE AND CLEARANCE

Blue Grass Energy provides electric service to over 57,000 members through a network of over 4,700 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 27 distribution circuits scheduled in 2018 for a total of 658 miles of distribution line. In 2019, there are 18 distribution circuits, for a total of 756 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	2016	2017	2018	2019
Scheduled	796	736	658	756
Completed	796	736	658	TBD

Of the 2016 & 2017 maintenance year mileage, 18 circuits consisting of 731 miles were identified for selective herbicide application and completed in 2018. Herbicide application consisting of 731 miles from the 2017 & 2018 maintenance years are scheduled to be completed in 2019.

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

Maintenance Year - Herbicide	2017	2018	2019
Scheduled	816	731	697
Completed	816	731	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 2018 to identify species failure rates and help plan future scheduled and non-scheduled work to eliminate potential outages. The investigation of all tree related outages will continue through 2019 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	2014	2015	2016	2017	2018
TOTALS	91	77	86	110	142

†Outages on primary conductor excluding major event days

**2018 VEGETATION MANAGEMENT PLAN REVIEW**

No Changes were implemented in 2018 to the ROW management plan. The “Distribution Right-Of-Way Vegetation Management Plan” Dated April 2018 reiterated in detail the processes that were built into the plan.

In 2018, all scheduled mileage was completed within the 2018 calendar year.

Listed below are some of the processes used in 2018:

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. ISA Certified Arborist Utility Specialist supervisory personnel have adequate utility vegetation management technical expertise and a qualified ISA Certified Assistant Arborist is on staff.



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. Meet requirements for Arbor Day Foundation Tree Line USA certification.

#### **2019 VEGETATION MANAGEMENT PLAN**

In addition to continuing the Distribution Right-Of-Way Vegetation Management Plans outlined for 2018 we intend to utilize the following key objectives in the upcoming year:

- Continue Formal Crew Field Audit Evaluation process, at the 100 percent level
- 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.
- Conduct pilot program for using tree growth regulators (TGR) in urban area yard trees.

# 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.

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