

KENTUCKY PUBLIC SERVICE COMMISSION

Electric Distribution Utility Annual Reliability Report

SECTION 1: CONTACT INFORMATION

UTILITY NAME	Clark Energy Coop
REPORT PREPARED BY	Phillip Blythe
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SECTION 2: REPORTING YEAR

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

T_{MED}	27
FIRST DATE USED TO DETERMINE T_{MED}	1/1/2018
LAST DATE USED TO DETERMINE T_{MED}	12/31/2022
NUMBER OF MED IN REPORT YEAR	5

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	27424	TOTAL CIRCUITS	74
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Excluding MED

5 YEAR AVERAGE		REPORTING YEAR	
SAIDI	175.70	SAIDI	193.79
SAIFI	1.38	SAIFI	1.36

Including MED

5 YEAR AVERAGE		REPORTING YEAR	
SAIDI	948.03	SAIDI	528.24
SAIFI	2.02	SAIFI	2.25

Notes:

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

KENTUCKY PUBLIC SERVICE COMMISSION

SECTION 6: VEGETATION MANAGEMENT PLAN REVIEW

INCLUDE CURRENT VEGETATION MANAGEMENT PLAN

Additional page may be attached as needed.

At Clark Energy we have been targeting our right of ways in order to improve reliability numbers. We are currently working on a complete system inventory to identify all areas that will include trimming in order to assist with the bidding process.

We are trying to turn our focus toward a significant amount of dead trees that are also affecting outages. the main issue is the Ash tree population and a number of Oak trees that are also dieing.

We have expanded our herbicide usage by more than double in hopes of slowing tree and underbrush growth until we have our right of ways in a more managable condition.

SECTION 7: UTILITY COMMENTS

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Substation Substation Location Circuit Circuit Location (miles) Average Member Count Date of last Trim	TRAPP Clark Co. Trapp-Goffs Corner Road 134 Log Lick RD Log Lick Road 36.89 349 2023 Herbicide
	Total Circuit Length

	Totals		SAIDI	SAIFI	5 Year Average
		104.54	82.54	.83	.41

Animals

600 Small Animal/Bird	0.15%	0.34	0.40%	1.28%
601 Squirrel	2.01%	2.75	2.20%	6.56%
610 Large Animal	0%	0%	0%	0%
611 Cattle Rubbing	0%	0%	0%	0%
612 Animal/Large Bird	0%	0%	0%	0%
620 Animal damage-gnawing or boring	0%	0%	0%	0%
690 Animal, Other	0%	0%	0%	0%

Equipment or Installation/Design

300 Material or Equipment Fault/Failure	0.49%	0.34	3.58%	4.99%
310 Installation Fault	0%	0%	0%	0%
320 Conductor Sag or Inadequate Clearance	0%	0%	0%	0%
340 Overload	0%	0%	0.13%	0.29%
350 Miscoordination of Protection Devices	0%	0%	0%	0%
360 Other Equipment Installation/Design	0%	0%	0%	0%

Maintenance

400 Decay/Age of Material/Equipment	2.31%	1.72	0.32%	0.57%
410 Corrosion/Abrasion of Material/Equipm	0%	0%	0%	0%
420 Tree Growth	0%	0%	0.38%	0.86%
430 Tree failure from overhang or dead tr	41.46%	42.96	42.87%	39.23%
440 Trees With Ice/Snow	0%	0%	0.29%	0.71%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

450 Contamination (leakage/external)	0%	0%	0%	0%	0%
460 Moisture	0%	0%	0%	0%	0%
470 Borrower crew cuts tree	0%	0%	0%	0%	0%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Substation	TRAPP
Substation Location	Clark Co/TRAPP GOFFS CORNER ROAD
Circuit	134 Log Lick Rd
Circuit Location	LOG LICK ROAD
Total Circuit Length (miles)	36.89
Average Member Count	349
Date of last Trim	2023 Herbicide

	Totals	
	SAIDI	SAIFI
Total Minutes/Frequency	104.54	.83
	5 Year Average SAIDI	SAIFI
	82.54	.41

Maintenance		
490 Maintenance, Other	0%	0%
Other		
800 Other	0%	0%
801 Supervisor Review	0%	0%
Planned Outage		
100 Construction	0%	0%
110 Maintenance	0%	0%
190 Other Planned	0%	0%
Power Supply		
000 Power Supply	0%	0%
Public		
700 Customer-Caused	7.51%	6.87%
710 Motor Vehicle	0%	0%
720 Aircraft	0%	0%
730 Fire	0%	0%
740 Public Cuts Tree	0%	0%
750 Vandalism	0%	0%
760 Switching error or caused by construe	0%	0%
790 Public, Other	0%	0%
Unknown		
999 Cause Unknown	32.44%	27.15%
Weather		
500 Lightning	13.62%	17.87%
	8.77%	20.97%
	15.67%	11.41%
	13.28%	8.42%
	0%	0%
	0%	0%
	0%	0%
	0.21%	0.29%
	0%	0%
	0%	0%
	0.12%	0.29%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 134 Log Lick Rd

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

TRAPP

Substation

Substation Location Clark Co/Trapp/Goff Corner/Winchester_
 Circuit 134 Log Lick Rd
 Circuit Location Log Lick Road
 Total Circuit Length (miles) 36.89
 Average Member Count 349
 Date of last Trim 2023 Herbicide

5 Year Average			
SAIDI	82.54	SAIFI	.41

Totals			
SAIDI	104.54	SAIFI	.83

Total Minutes/Frequency

Weather

510 Wind, Not Trees	0%	0%	9.69%	3.00%
520 Ice, Sleet, Frost, Not Trees	0%	0%	0%	0%
530 Flood	0%	0%	0%	0%
590 Weather, Other	0%	0%	2.08%	1.14%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 114 Trapp Goffs Corner Rd

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

TRAPP

Substation				
Substation Location	TRAPP GOFFS CORNER ROAD			
Circuit	<u>114 Trapp Goffs Corner Rd</u>			
Circuit Location	TRAPP GOFFS CORNER ROAD			
Total Circuit Length (miles)	23.943			
Average Member Count	221			
Date of last Trim	2023 Herbicide			
Totals				
	SAIDI	SAIFI	SAIDI	SAIFI
	267.27	2.05	211.03	1.39
	Total Minutes/Frequency			

Animals

600 Small Animal/Bird	0.11%	0.22%	0.55%	1.01%
601 Squirrel	0.72%	1.54%	0.54%	1.35%
610 Large Animal	0%	0%	0%	0%
611 Cattle Rubbing	0%	0%	0%	0%
612 Animal/Large Bird	0%	0%	0%	0%
620 Animal damage-gnawing or boring	0%	0%	0%	0%
690 Animal, Other	0%	0%	0%	0%

Equipment or Installation/Design

300 Material or Equipment Fault/Failure	0.67%	0.66%	11.14%	12.37%
310 Installation Fault	0%	0%	0%	0%
320 Conductor Sag or Inadequate Clearance	0%	0%	0%	0%
340 Overload	0%	0%	0.20%	0.20%
350 Miscoordination of Protection Devices	0%	0%	0%	0%
360 Other Equipment Installation/Design	0%	0%	0%	0%

Maintenance

400 Decay/Age of Material/Equipment	0.19%	0.22%	2.90%	5.07%
410 Corrosion/Abrasion of Material/Equipm	0%	0%	0%	0%
420 Tree Growth	10.19%	18.28%	1.54%	1.69%
430 Tree failure from overhang or dead tr	49.27%	44.49%	68.18%	58.35%
440 Trees With Ice/Snow	0%	0%	0%	0%
450 Contamination (leakage/external)	0%	0%	0%	0%
460 Moisture	0%	0%	0%	0%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

0%

0%

470 Borrower crew cuts tree Feeder: 114 Trapp^{0%}Goff's Corner Rd

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 114 Trapp Goffs Corner Rd

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

TRAPP

Substation _____
 Substation Location Clark Co/Trapp-Goff Corner/Winchester _____
 Circuit 114 Trapp Goffs Corner Rd
 Circuit Location Trapp/Goff Corner Road _____
 Total Circuit Length (miles) 23.943
 Average Member Count 221
 Date of last Trim 2023 Herbicide _____

Totals		5 Year Average	
SAIDI	SAIFI	SAIDI	SAIFI
267.27	2.05	211.03	1.39

Total

Minutes/Frequency Maintenance

490 Maintenance, Other

Other					
800 Other	0%	0%	0%	0%	0%
801 Supervisor Review	0%	0%	0%	0%	0%
Planned Outage					
100 Construction	0%	0%	0%	0%	0%
110 Maintenance	0%	0%	0%	0%	0%
190 Other Planned	0%	0%	0%	0%	0%
Power Supply					
000 Power Supply	0%	0%	0%	0%	0%
Public					
700 Customer-Caused	0%	0%	0%	0%	0%
710 Motor Vehicle	0.75%	0.88%	0%	0%	0%
720 Aircraft	0%	0%	0%	0%	0%
730 Fire	0%	0%	0%	0%	0%
740 Public Cuts Tree	0%	0%	0%	0%	0%
750 Vandalism	0%	0%	0%	0%	0%
760 Switching error or caused by construe	0%	0%	0.81%	0%	0%
790 Public, Other	0%	0.37%	0.40%	0%	0.95%
Unknown					
999 Cause Unknown	1.79%	3.30%	12.44%	16.02%	

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Weather			
500 Lightning			
Feeder: 114 Trapp Goffs Corner Rd			
	21.08%	18.28%	
	1.74%	2.16%	

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 114 Trapp Goffs Corner Rd
 1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

TRAPP

Substation

Substation Location Clark Co/Trapp-Goff Corner/Winchester
 Circuit 114 Trapp Goffs Corner Rd
 Circuit Location Trapp/Goff Corner Road
 Total Circuit Length (miles) 23.943
 Average Member Count 221
 Date of last Trim 2023 Herbicide

	Totals		5 Year Average
	SAIDI	SAIFI	SAIDI SAIFI

Total Minutes/Frequency	267.27	2.05	211.03 1.39
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Weather

510 Wind, Not Trees	15.08%	11.89%	0%	0%
520 Ice, Sleet, Frost, Not Trees	0%	0%	0%	0%
530 Flood	0%	0%	0%	0%
590 Weather, Other	0%	0%	0%	0%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 124 Curry-Flats Airport

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

Substation	CAVE RUN
Substation Location	ROWAN-HWY 801-FARMERS
Circuit	<u>124 Curry-Flats Airport</u>
Circuit Location	FARMERS-HWY 801
Total Circuit Length (miles)	20.39
Average Member Count	84
Date of last Trim	2022 Herbicide

	Totals				
	SAIDI	SAIFI	SAIDI	SAIFI	5 Year Average
Total Minutes/Frequency	107.74	1.15	95.16	.66	

Animals

600 Small Animal/Bird	0%	0%	1.73%	2.65%
601 Squirrel	0%	0%	0%	0%
610 Large Animal	0%	0%	0%	0%
611 Cattle Rubbing	0%	0%	0%	0%
612 Animal/Large Bird	0%	0%	0%	0%
620 Animal damage-gnawing or boring	0%	0%	0%	0%
690 Animal, Other	0%	0%	2.32%	2.65%

Equipment or Installation/Design

300 Material or Equipment Fault/Failure	0%	0%	0.29%	1.52%
310 Installation Fault	0%	0%	0%	0%
320 Conductor Sag or Inadequate Clearance	0%	0%	0%	0%
340 Overload	0%	0%	0%	0%
350 Miscoordination of Protection Devices	0%	0%	0%	0%
360 Other Equipment Installation/Design	0%	0%	0%	0%

Maintenance

400 Decay/Age of Material/Equipment	0%	0%	0.46%	0.38%
410 Corrosion/Abrasion of Material/Equipm	0%	0%	0%	0%
420 Tree Growth	0%	0%	0%	0%
430 Tree failure from overhang or dead tr	87.54%	96.91%	2.53%	2.65%
440 Trees With Ice/Snow	0%	0%	0%	0%
450 Contamination (leakage/external)	0%	0%	0%	0%
460 Moisture	0%	0%	0%	0%

PSC Report
 Excluding Major Event Day outages, Planned Outages, Customer Responsible outages and Momentary Outages

Feeder: 124 Curry-Flats Airport

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

CAVE RUN

Substation _____
 Substation Location Rowan/Hwy 801/Farmers
 Circuit 124 Curry-Flats Airport
 Circuit Location Farmers/Ky Hwy 801
 Total Circuit Length (miles) 20.39
 Average Member Count 84
 Date of last Trim Herbicide 2022

	Totals		
	SAIDI	SAIFI	
Total Minutes/Frequency	107.74	1.15	
	95.16	.66	

Maintenance

490 Maintenance, Other	0%	0%	0%
Other			
800 Other	0%	0%	0%
801 Supervisor Review	0%	0%	0%
Planned Outage			
100 Construction	0%	0%	0%
110 Maintenance	0%	0%	0%
190 Other Planned	0%	0%	0%

Power Supply

000 Power Supply	0%	78.89%	59.09%
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Public

700 Customer-Caused	0%	0%	0%
710 Motor Vehicle	0%	0%	0%
720 Aircraft	0%	0%	0%
730 Fire	0%	0%	0%
740 Public Cuts Tree	0%	12.91%	29.55%
750 Vandalism	0%	0%	0%
760 Switching error or caused by construe	0%	0%	0%
790 Public, Other	0%	0%	0%

Unknown

999 Cause Unknown	0%	0.72%	1.14%
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Weather

PSC Report

500 Lightning

12.46%

0.15%

0.38%

3.09%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 124 Curry-Flats Airport

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

CAVE RUN

Substation

Substation Location Rowan Co/Hwy 801/Farmers
 Circuit 124 Curry-Flats Airport
 Circuit Location Farmers/Ky Hwy 801
 Total Circuit Length (miles) 20.39
 Average Member Count 84
 Date of last Trim Herbicide 2022

	Totals		5 Year Average	
	SAIDI	SAIFI	SAIDI	SAIFI
<u>Total Minutes/Frequency</u>	<u>107.74</u>	<u>1.15</u>	<u>95.16</u>	<u>.66</u>

Weather

510 Wind, Not Trees	0%	0%	0%	0%
520 Ice, Sleet, Frost, Not Trees	0%	0%	0%	0%
530 Flood	0%	0%	0%	0%
590 Weather, Other	0%	0%	0%	0%

PSC Report

Excluding Major Event Day outages, Planned outages, Customer Responsible outages and Momentary outages

Feeder: 144 Kiddville

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

MT. STERLING

Substation

Substation Location Montgomery Co/LEVEE ROAD/Mt.Sterling_
 Circuit 144 Kiddville
 Circuit Location KIDDVILLE ROAD
 Total Circuit Length (miles) 58.038
 Average Member Count 501
 Date of last Trim 2023 Herbicide

	Totals	5 Year Average
	SAIDI	SAIFI
Total Minutes/Frequency	756.09	3.91
	1,794.52	.65

Animals

600 Small Animal/Bird	0%	0%	1.62%
601 Squirrel	0%	0%	3.74%
610 Large Animal	0%	0%	0%
611 Cattle Rubbing	0%	0%	0.06%
612 Animal/Large Bird	0%	0%	0%
620 Animal damage-gnawing or boring	0%	0%	0%
690 Animal, Other	0.02%	0.05%	0%

Equipment or Installation/Design

300 Material or Equipment Fault/Failure	0.93%	2.76%	7.85%
310 Installation Fault	0%	0%	0%
320 Conductor Sag or Inadequate Clearance	0%	0%	0%
340 Overload	0.22%	0.56%	4.49%
350 Miscoordination of Protection Devices	0%	0%	0%
360 Other Equipment Installation/Design	0%	0%	0%

Maintenance

400 Decay/Age of Material/Equipment	14.16%	25.33%	3.74%
410 Corrosion/Abrasion of Material/Equipm	0%	0%	0.31%
420 Tree Growth	35.11%	25.38%	2.62%
430 Tree failure from overhang or dead tr	47.23%	41.52%	22.24%
440 Trees With Ice/Snow	0%	0%	0%
450 Contamination (leakage/external)	0%	0%	0%
460 Moisture	0%	0%	0%
470 Borrower crew cuts tree	0%	0%	0%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 144 Kiddville

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

MT. STERLING

Substation

Substation Location Montgomery Co/Levee Rd/Mt.Sterling
 Circuit 144 Kiddville
 Circuit Location Kiddville Rd.
 Total Circuit Length (miles) 58.038
 Average Member Count 501
 Date of last Trim Herbicide 2023

	SAIDI	SAIFI	5 Year Average SAIDI	5 Year Average SAIFI
Total Minutes/Frequency	756.09	3.91	1£794.52	.65

Maintenance

490 Maintenance, Other 0% 0%

Other

800 Other 0% 0%
 801 Supervisor Review 0% 0%

Planned Outage

100 Construction 0% 0%
 110 Maintenance 0% 0%
 190 Other Planned 0% 0%

Power Supply

000 Power Supply 0% 0%

Public

700 Customer-Caused 0.05% 0.05% 0% 0%
 710 Motor Vehicle 0% 0% 0.07% 0.44%
 720 Aircraft 0% 0% 0% 0%
 730 Fire 0% 0% 0.02% 0.12%
 740 Public Cuts Tree 0% 0% 0% 0%
 750 Vandalism 0% 0% 0% 0%
 760 Switching error or caused by construe 0% 0% 0.16% 3.61%
 790 Public, Other

Unknown

999 Cause Unknown 0.26% 0.97% 1.01% 35.51%

Weather

PSC Report

Excluding Major Event Day outages, Planned outages, Customer Responsible outages and Momentary outages

Feeder: 144 Kiddville

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

Substation MT. STERLING

Substation Location Montgomery Co/Levee Rd/Mt.Sterling
 Circuit 144 Kiddville
 Circuit Location Kiddville Rd.
 Total Circuit Length (miles) 58.038
 Average Member Count 501
 Date of last Trim Herbicide 2023

	Totals	5 Year Average
	SAIDI	SAIFI
Total Minutes/Frequency	756.09	11794.52
SAIDI	3.91	.65

Weather

510 Wind, Not Trees	0%	0%	95.24%	1.62%
520 Ice, Sleet, Frost, Not Trees	0%	0%	0.03%	0.31%
530 Flood	0%	0%	0%	0%
590 Weather, Other	0%	0%	0.02%	0.12%

PSC Report
 Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 134 Levee-Hwy 11

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

MT. STERLING

Substation Location
 Circuit
 Substation Location
 Circuit Location
 Total Circuit Length (miles)
 Average Member Count
 Date of last Trim

Montgomery/HWY-11\LEVEE ROAD/MtSterling
 134 Levee-Hwy 11
 HWY-11/ LEVEE ROAD
 59.292
 693
 2023 Herbicide

	Totals	5 Year Average
	SAIDI	SAIFI
Total Minutes/Frequency	290.14	2.04
	131.71	.76

Animals

600 Small Animal/Bird	0.21%	0.35%	1.92%	3.27%
601 Squirrel	16.73%	23.25%	0.25%	0.85%
610 Large Animal	0%	0%	0%	0%
611 Cattle Rubbing	0.07%	0.21%	0.09%	0.15%
612 Animal/Large Bird	0%	0%	1.51%	2.73%
620 Animal damage-gnawing or boring	0%	0%	0%	0%
690 Animal, Other	0%	0%	0.01%	0.04%

Equipment or Installation/Design

300 Material or Equipment Fault/Failure	0.04%	0.07%	5.02%	7.96%
310 Installation Fault	0%	0%	0%	0%
320 Conductor Sag or Inadequate Clearance	0%	0%	0%	0%
340 Overload	0%	0%	0.33%	0.23%
350 Miscoordination of Protection Devices	0%	0%	0%	0%
360 Other Equipment Installation/Design	0%	0%	0%	0%

Maintenance

400 Decay/Age of Material/Equipment	0%	0%	1.89%	3.35%
410 Corrosion/Abrasion of Material/Equipm	0%	0%	7.18%	4.85%
420 Tree Growth	7.15%	8.43%	2.16%	2.38%
430 Tree failure from overhang or dead tr	49.32%	44.51%	42.78%	37.35%
440 Trees With Ice/Snow	0%	0%	0.09%	0.12%
450 Contamination (leakage/external)	0%	0%	0%	0%
460 Moisture	0%	0%	0%	0%
470 Borrower crew cuts tree	0%	0%	0.02%	0.04%

PSC Report
 Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 134 Levee-Hwy 11

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

MT. STERLING

Substation _____
 Substation Location Montgomery/Levee Rd/Mt.Sterling _____
 Circuit 134 Levee-Hwy 11
 Circuit Location Hwy.11/Levee
 Total Circuit Length (miles) 59.29
 Average Member Count 693
 Date of last Trim Herbicide 2023

	Totals		
	SAIDI	SAIFI	
	290.14	2.04	
			5 Year Average
	131.71	SAIDI	SAIFI
		131.71	.76

Maintenance				
490 Maintenance, Other	0.20%	0.43%	0%	0%
Other				
800 Other	7.27%	9.36%	0%	0%
801 Supervisor Review	0%	0%	0%	0%
Planned Outage				
100 Construction	0%	0%	0%	0%
110 Maintenance	0%	0%	0%	0%
190 Other Planned	0%	0%	0%	0%
Power Supply				
000 Power Supply	0%	0%	0%	0%
Public				
700 Customer-Caused	0%	0%	0.08%	0.19%
710 Motor Vehicle	0.11%	0.28%	9.55%	5.42%
720 Aircraft	0%	0%	0%	0%
730 Fire	0%	0%	0.32%	0.12%
740 Public Cuts Tree	0%	0%	0.89%	1.12%
750 Vandalism	0%	0%	0%	0%
760 Switching error or caused by construe	0%	0%	0%	0%
790 Public, Other	0%	0%	0%	0%
Unknown				
999 Cause Unknown	2.43%	2.83%	3.79%	6.58%
Weather				
500 Lightning	16.47%	10.28%	11.31%	13.92%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 134 Levee-Hwy 11

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

MT. STERLING

Substation

Substation Location _____
 Circuit 134 Levee-Hwy 11
 Circuit Location Hwy 11/Levee Rd.
 Total Circuit Length (miles) 59.29
 Average Member Count 693
 Date of last Trim Herbicide 2023

5 Year Average
 SAIDI **131.71**
 SAIFI **.76**

Totals
 SAIDI **290.14**
 SAIFI **2.04**

Total Minutes/Frequency

Weather			
510 Wind, Not Trees	0%	1.97%	3.54%
520 Ice, Sleet, Frost, Not Trees	0%	8.85%	5.81%
530 Flood	0%	0%	0%
590 Weather, Other	0%	0%	0%

PSC Report
 Excluding Major Event Day outages, Planned outages, Customer Responsible outages and Momentary outages

Feeder: 124 Fuller Est-Fogg Pike
 1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

MT. STERLING

Substation _____
 Substation Location LEVEE ROAD
 Circuit 124 Fuller Est-Fogg Pike
 Circuit Location FULLER EST. FOGG PIKE
 Total Circuit Length (miles) 18.507
 Average Member Count 329
 Date of last Trim 2021/SPRAYED 2022

	Totals	SAIDI	SAIFI	5 Year Average	SAIDI	SAIFI
	Total Minutes/Frequency	322.62	2.24	114.57	1.13	

Animals						
600 Small Animal/Bird	0.37%	0.95%		1.49%	1.45%	
601 Squirrel	0%	0%		0.77%	0.81%	
610 Large Animal	0%	0%		0%	0%	
611 Cattle Rubbing	0%	0%		0%	0%	
612 Animal/Large Bird	0%	0%		0.08%	0.11%	
620 Animal damage-gnawing or boring	0%	0%		0%	0%	
690 Animal, Other	0%	0%		0%	0%	

Equipment or Installation/Design						
300 Material or Equipment Fault/Failure	0%	0%		11.02%	18.29%	
310 Installation Fault	0%	0%		0%	0%	
320 Conductor Sag or Inadequate Clearance	0%	0%		0%	0%	
340 Overload	0%	0%		0.87%	0.86%	
350 Miscoordination of Protection Devices	0%	0%		0%	0%	
360 Other Equipment Installation/Design	0%	0%		0%	0%	

Maintenance						
400 Decay/Age of Material/Equipment	0.05%	0.14%		16.46%	18.18%	
410 Corrosion/Abrasion of Material/Equipm	0%	0%		4.83%	3.39%	
420 Tree Growth	0.12%	0.41%		1.48%	1.29%	
430 Tree failure from overhang or dead tr	36.16%	44.50%		13.12%	7.91%	
440 Trees With Ice/Snow	0%	0%		0%	0%	
450 Contamination (leakage/external)	0%	0%		0%	0%	
460 Moisture	0%	0%		0%	0%	
470 Borrower crew cuts tree	0%	0%		0%	0%	

PSC Report
 Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 124 Fuller Est-Fogg Pike

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

MT. STERLING

Substation

Substation Location Montgomery/Levee Rd/Mt.Sterling
 Circuit 124 Fuller Est-Fogg Pike
 Circuit Location Fuller Est/Fogg Pike
 Total Circuit Length (miles) 18.50
 Average Member Count 329
 Date of last Trim 2021 Herbicide 2022

	Totals				
	SAIDI	SAIFI		5 Year Average	
				SAIDI	SAIFI

Total Minutes/Frequency	322.62	2.24	114.57	1.13
--------------------------------	---------------	-------------	---------------	-------------

Weather

510 Wind, Not Trees	0%	0%	0.46%	0.32%
520 Ice, Sleet, Frost, Not Trees	0%	0%	0%	0%
530 Flood	0%	0%	0%	0%
590 Weather, Other	0%	0%	0%	0%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 104 Rockwell

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

VAN METER

Substation

Substation Location CLARK COUNTY\VAN METER ROAD\WINCHESTER
 Circuit 104 Rockwell
 Circuit Location ROCKWELL ROAD
 Total Circuit Length (miles) 9.623
 Average Member Count 63
 Date of last Trim HERBICIDE 2021

	Total	SAIDI	SAIFI	5 Year Average
	Minutes/Frequency	SAIDI	SAIFI	SAIDI
	341.90	1.59	212.88	1.04

Animals

600 Small Animal/Bird	0%	0%	0%	0%	8.84%
601 Squirrel	0%	0%	0%	0%	1.52%
610 Large Animal	0%	0%	0%	0%	0%
611 Cattle Rubbing	0%	0%	0%	0%	0%
612 Animal/Large Bird	0%	0%	0%	0%	0%
620 Animal damage-gnawing or boring	0%	0%	0%	0%	0%
690 Animal, Other	0%	0%	0%	0%	0%

Equipment or Installation/Design

300 Material or Equipment Fault/Failure	0%	0%	0%	0%	0.61%
310 Installation Fault	0%	0%	0%	0%	0%
320 Conductor Sag or Inadequate Clearance	0%	0%	0%	0%	0%
340 Overload	0%	0%	0%	0%	0%
350 Miscoordination of Protection Devices	0%	0%	0%	0%	0%
360 Other Equipment Installation/Design	0%	0%	0%	0%	0%

Maintenance

400 Decay/Age of Material/Equipment	0%	0%	0%	0%	1.22%
410 Corrosion/Abrasion of Material/Equipm	0%	0%	0%	0%	0%
420 Tree Growth	28.73%	68%	11.05%	19.82%	41.16%
430 Tree failure from overhang or dead tr	0%	0%	0%	0%	20.12%
440 Trees With Ice/Snow	0%	0%	0%	0%	0%
450 Contamination (leakage/external)	0%	0%	0%	0%	0%
460 Moisture	0%	0%	0%	0%	0%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

0%

0%

Feeder: 104% Rockwell

470 Borrower crew cuts tree

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 104 Rockwell

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

Substation VAN METER

Substation Location Clark/Van Meter/Winchester

Circuit 104 Rockwell

Circuit Location Rockwell Rd

Total Circuit Length (miles) 9.623

Average Member Count 63

Date of last Trim Herbicide 2021

	Totals	5 Year Average
	SAIDI	SAIFI
Total Minutes/Frequency	341.90	1.59
	212.88	1.04

Weather

510 Wind, Not Trees	57.66%	11%	0%
520 Ice, Sleet, Frost, Not Trees	0%	0%	0%
530 Flood	0%	0%	0%
590 Weather, Other	0%	0%	0%

PSC Report

Excluding Major Event Day outages, Planned outages, Customer Responsible Outages and Momentary outages

Feeder: 134 Hwy 1274

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

FRENCHBURG

Substation	
Substation Location	MENIFEE-HWY 36 Frenchburg
Circuit	134 HWY 1274
Circuit Location	HWY 1274
Total Circuit Length (miles)	27.57
Average Member Count	357
Date of last Trim	2022 /2023 Herbicide

	Totals		5 Year Average	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	698.10	2.64	499.75	3.58

Animals	SAIDI	SAIFI	SAIDI	SAIFI
600 Small Animal/Bird	0.02%	0.11%	0.24%	0.49%
601 Squirrel	0.77%	3.39%	0.52%	1.13%
610 Large Animal	0%	0%	0%	0%
611 Cattle Rubbing	0%	0%	0%	0%
612 Animal/Large Bird	0%	0%	0.01%	0.03%
620 Animal damage-gnawing or boring	0%	0%	0%	0%
690 Animal, Other	0%	0%	0%	0%

Equipment or Installation/Design

300 Material or Equipment Fault/Failure	0.10%	0.42%	2.68%	8.34%
310 Installation Fault	0%	0%	0%	0%
320 Conductor Sag or Inadequate Clearance	0%	0%	0%	0%
340 Overload	0%	0%	0.05%	0.03%
350 Miscoordination of Protection Devices	0%	0%	0%	0%
360 Other Equipment Installation/Design	0%	0%	0%	0%

Maintenance

400 Decay/Age of Material/Equipment	0.06%	0.74%	0.35%	0.43%
410 Corrosion/Abrasion of Material/Equipm	0%	0%	0%	0%
420 Tree Growth	1.16%	3.61%	7.21%	8.68%
430 Tree failure from overhang or dead tr	93.41%	86.21%	73.46%	63.34%
440 Trees With Ice/Snow	0%	0%	7.72%	3.04%
450 Contamination (leakage/external)	0%	0%	0%	0%
460 Moisture	0%	0%	0%	0%
470 Borrower crew cuts tree	2.04%	3.71%	1.46%	6.72%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 134 Hwy 1274

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

FRENCHBURG

Substation Location Menifee/Hwy 36/Frenchburg
 Circuit 134 Hwy 1274
 Circuit Location Hwy 1274
 Total Circuit Length (miles) 27.57
 Average Member Count 357
 Date of last Trim 2022 Herbicide 2023

	Totals		
	SAIDI	SAIFI	
Total Minutes/Frequency	698.10	2.64	

	5 Year Average		
	SAIDI	SAIFI	
	499.75	3.58	

Maintenance				
490 Maintenance, Other	0.06%	0.32%	0%	0%
Other				
800 Other	0%	0%	0%	0%
801 Supervisor Review	0%	0%	0%	0%
Planned Outage				
100 Construction	0%	0%	0%	0%
110 Maintenance	0%	0%	0%	0%
190 Other Planned	0%	0%	0%	0%
Power Supply				
000 Power Supply	0%	0%	0%	0%
Public				
700 Customer-Caused	0%	0%	0%	0%
710 Motor Vehicle	0%	0%	0%	0.29%
720 Aircraft	0%	0%	0%	0%
730 Fire	0%	0%	0%	0%
740 Public Cuts Tree	0.22%	0.42%	0%	0.29%
750 Vandalism	0%	0%	0%	0%
760 Switching error or caused by construe	0%	0%	0%	0%
790 Public, Other	0%	0%	0%	0%
Unknown				
999 Cause Unknown	0.02%	0.11%	1.40%	5.27%
Weather				

PSC Report

500 Lightning 0.59% 0.74% 2.27% 1.29%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 134 Hwy 1274

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

FRENCHBURG

Substation

Substation Location Menifee/Hwy 36/Frenchburg
 Circuit 134 Hwy 1274
 Circuit Location Hwy 1274
 Total Circuit Length (miles) 27.57
 Average Member Count 357
 Date of last Trim 2022 Herbicide 2023

	Totals		
	SAIDI	SAIFI	
Total Minutes/Frequency	698.10	2.64	
	5 Year Average SAIDI	SAIFI	3.58
	499.75		

Weather

510 Wind, Not Trees	1.56%	0.21%	0%
520 Ice, Sleet, Frost, Not Trees	0%	0%	0.02%
530 Flood	0%	0%	0.28%
590 Weather, Other	0%	1.76%	0.34%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 104 Hwy 460 East

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

FRENCHBURG	
Substation Location	HWY 36
Circuit	104 Hwy 460 East
Circuit Location	HWY 460 EAST
Total Circuit Length (miles)	24.505
Average Member Count	363
Date of last Trim	2021 Herbicide

	Totals	SAIDI	SAIFI	5 Year Average	SAIDI	SAIFI
	Total Minutes/Frequency	169.66	3.41		76.89	.65

Animals

600 Small Animal/Bird	0.34%	0.81%	1.46%	3.36%
601 Squirrel	1.13%	1.70%	0.95%	2.74%
610 Large Animal	0%	0%	0%	0%
611 Cattle Rubbing	0%	0%	0%	0%
612 Animal/Large Bird	0%	0%	0%	0%
620 Animal damage-gnawing or boring	0%	0%	0%	0%
690 Animal, Other	0%	0%	0%	0%

Equipment or Installation/Design

300 Material or Equipment Fault/Failure	0%	0%	1.74%	2.58%
310 Installation Fault	0%	0%	0%	0%
320 Conductor Sag or Inadequate Clearance	0%	0%	0%	0%
340 Overload	0%	0%	1.54%	1.49%
350 Miscoordination of Protection Devices	0%	0%	0%	0%
360 Other Equipment Installation/Design	0%	0%	0%	0%

Maintenance

400 Decay/Age of Material/Equipment	23.05%	29.40%	1.59%	1.41%
410 Corrosion/Abrasion of Material/Equipm	0%	0%	0%	0%
420 Tree Growth	0%	0%	0.69%	1.02%
430 Tree failure from overhang or dead tr	75.27%	67.85%	64.12%	47.34%
440 Trees With Ice/Snow	0%	0%	0%	0%
450 Contamination (leakage/external)	0%	0%	0%	0%
460 Moisture	0%	0%	0%	0%
470 Borrower crew cuts tree	0%	0%	0%	0%

PSC Report

Excluding Major Event Day outages, Planned outages, Customer Responsible outages and Momentary outages

Feeder: 104 Hwy 460 East

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

FRENCHBURG	
Substation Location	Menifee/Hwy 36/Frenchburg
Circuit	104 Hwy 460 East
Circuit Location	Hwy 460 East
Total Circuit Length (miles)	24.505
Average Member Count	363
Date of last Trim	Herbicide 2021

5 Year Average	
SAIDI	SAIFI
76.89	.65

Totals	
SAIDI	SAIFI
169.66	3.41

Total Minutes/Frequency

Maintenance					
490 Maintenance, Other	0%	0%	0%	0%	0%
Other					
800 Other	0.22%	0.24%	0%	0%	0%
801 Supervisor Review	0%	0%	0%	0%	0%
Planned Outage					
100 Construction	0%	0%	0%	0%	0%
110 Maintenance	0%	0%	0%	0%	0%
190 Other Planned	0%	0%	0%	0%	0%
Power Supply					
000 Power Supply	0%	0%	0%	0%	0%
Public					
700 Customer-Caused	0%	0%	0%	0%	0%
710 Motor Vehicle	0%	0%	0%	0%	0%
720 Aircraft	0%	0%	0%	0%	0%
730 Fire	0%	0%	0%	0%	0%
740 Public Cuts Tree	0%	0%	0%	0%	0%
750 Vandalism	0%	0%	0%	0%	0%
760 Switching error or caused by construe	0%	0%	0%	0%	0%
790 Public, Other	0%	0%	0%	0%	0%
Unknown					
999 Cause Unknown	0%	0%	0%	0%	0%
Weather					
500 Lightning	0%	0%	0%	0%	0%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 104 Hwy 460 East

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

FRENCHBURG

Substation

Substation Location _____
 Circuit _____
 Circuit Location _____
 Total Circuit Length (miles) 24.505
 Average Member Count 363

Date of last Trim _____
 Herbicide 2021 _____

Totals	SAIDI	SAIFI	5 Year Average
Total Minutes	169.66	3.41	76.89
Frequency			.65

Weather

510 Wind, Not Trees	0%	0%	0%
520 Ice, Sleet, Frost, Not Trees	0%	0%	0%
530 Flood	0%	0%	0%
590 Weather, Other	0%	0%	0%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 144 Millwork-SPCAB-Bottom

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 144 Millwork-SPCAB-Bottom

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

Substation	CLAY CITY
Substation Location	Powell/SHIPPS BRANCH ROAD/Clay City
Circuit	<u>144 Millwork-SPCAB-Bottom</u>
Circuit Location	WINCHESTER ROAD\MAIN ST CLAY CITY
Total Circuit Length (miles)	10.266
Average Member Count	445
Date of last Trim	2022 trim/herbicide

	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	26.88	.20	84698.16	.11

	SAIDI	SAIFI	SAIDI	SAIFI
Animals				
600 Small Animal/Bird	0%	0%	0.00%	4.24%
601 Squirrel	5.15%	15.91%	0.01%	12.71%
610 Large Animal	0%	0%	0%	0%
611 Cattle Rubbing	0%	0%	0%	0%
612 Animal/Large Bird	0%	0%	0%	0%
620 Animal damage-gnawing or boring	0%	0%	0%	0%
690 Animal, Other	0%	0%	0%	0%
Equipment or Installation/Design				
300 Material or Equipment Fault/Failure	0.33%	1.14%	0.01%	5.93%
310 Installation Fault	0%	0%	0%	0%
320 Conductor Sag or Inadequate Clearance	0%	0%	0%	0%
340 Overload	0%	0%	0.00%	0.42%
350 Miscoordination of Protection Devices	0%	0%	0%	0%
360 Other Equipment Installation/Design	0%	0%	0%	0%
Maintenance				
400 Decay/Age of Material/Equipment	0%	0%	0.01%	6.78%
410 Corrosion/Abrasion of Material/Equipm	0%	0%	0%	0%
420 Tree Growth	49.11%	28.41%	0.01%	4.66%
430 Tree failure from overhang or dead tr	44.84%	50%	0.06%	38.56%
440 Trees With Ice/Snow	0%	0%	0%	0%
450 Contamination (leakage/external)	0%	0%	0%	0%
460 Moisture	0%	0%	0%	0%
470 Borrower crew cuts tree	0%	0%	0.00%	11.02%

PSC Report

Excluding Major Event Day outages, Planned Outages, Customer Responsible outages and Momentary outages

Feeder: 144 Millwork-SPCAB-Bottom

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

Substation	<u>CLAY CITY</u>				
Substation Location	Powell/Shipp's Branch/Clay City				
Circuit	<u>144 Millwork-SPCAB-Bottom</u>				
Circuit Location	Winchester Rd/Main St Clay City				
Total Circuit Length (miles)	10.26				
Average Member Count	445				
Date of last Trim	2022 Trim/Herbicide				
		Totals			
		SAIDI	SAIFI	SAIDI	SAIFI
		26.88	.20	84698.16	.11
		Total Minutes/Frequency			

Maintenance					
490 Maintenance, Other		0%	0%	0%	0%
Other					
800 Other		0%	0%	0%	0%
801 Supervisor Review		0%	0%	0%	0%
Planned Outage					
100 Construction		0%	0%	0%	0%
110 Maintenance		0%	0%	0%	0%
190 Other Planned		0%	0%	0%	0%
Power Supply					
000 Power Supply		0%	0%	0%	0%
Public					
700 Customer-Caused		0%	0%	0%	0%
710 Motor Vehicle		0%	0%	0.00%	3.81%
720 Aircraft		0%	0%	0%	0%
730 Fire		0%	0%	0%	0%
740 Public Cuts Tree		0%	0%	0%	0%
750 Vandalism		0%	0%	0%	0%
760 Switching error or caused by construe		0%	0%	0%	0%
790 Public, Other		0%	0%	0%	0%
Unknown					
999 Cause Unknown		0%	0%	0.00%	1.27%

PSC Report

Weather
500 Lightning

0.57% 4.55%

0.01%

1.69%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 144 Millwork-SPCAB-Bottom

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

Substation	CLAY CITY			
Substation Location	Powell/Shippys Branch Rd/Clay City			
Circuit	144 Millwork-SPCAB-Bottom			
Circuit Location	Winchester Rd/Main Street			
Total Circuit Length (miles)	10.26			
Average Member Count	445			
Date of last Trim	2022 Trim/Herbicide			
Totals				
	SAIDI	SAIFI	SAIDI	SAIFI
	26.88	.20	8,698.16	.11

Weather				
510 Wind, Not Trees		0%	99.88%	5.08%
520 Ice, Sleet, Frost, Not Trees		0%	0.00%	1.27%
530 Flood		0%	0%	0%
590 Weather, Other		0%	0.01%	2.54%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 224 Judy

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

SIDEVIEW

Substation

Substation Location Montgomery/N MIDDLETOWN ROAD/Mt.Sterling
 Circuit 224 Judy
 Circuit Location MAYSVILLE ROAD
 Total Circuit Length (miles) 43.231
 Average Member Count 373
 Date of last Trim 2022 trim/herbicide

	Totals		5 Year Average	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	188.59	2.21	115.82	.50

Animals

600 Small Animal/Bird	1.30%	1.33%	0.48%	0.86%
601 Squirrel	0.15%	0.24%	0%	0%
610 Large Animal	0%	0%	0%	0%
611 Cattle Rubbing	0%	0%	0.09%	0.11%
612 Animal/Large Bird	0%	0%	0%	0%
620 Animal damage-gnawing or boring	0%	0%	0%	0%
690 Animal, Other	0%	0%	0%	0%

Equipment or Installation/Design

300 Material or Equipment Fault/Failure	32.96%	22.30%	36.23%	13.93%
310 Installation Fault	0%	0%	0%	0%
320 Conductor Sag or Inadequate Clearance	0%	0%	0%	0%
340 Overload	0%	0%	0%	0%
350 Miscoordination of Protection Devices	0%	0%	0%	0%
360 Other Equipment Installation/Design	0%	0%	0%	0%

Maintenance

400 Decay/Age of Material/Equipment	0%	0%	1.04%	1.62%
410 Corrosion/Abrasion of Material/Equipm	0%	0%	0%	0%
420 Tree Growth	13.01%	3.39%	15.51%	21.92%
430 Tree failure from overhang or dead tr	19.81%	18.42%	40.43%	38.66%
440 Trees With Ice/Snow	0%	0%	0%	0%
450 Contamination (leakage/external)	0%	0%	0%	0%
460 Moisture	0%	0%	0%	0%
470 Borrower crew cuts tree	0%	0%	0%	0%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 224 Judy

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

SIDEVIEW

Substation

Substation Location Montgomery/N.Middletown Rd/Mt.Sterling
 Circuit 224 Judy
 Circuit Location Maysville Rd
 Total Circuit Length (miles) 43.231
 Average Member Count 373
 Date of last Trim 2022 Trim/Herbicide

	Totals	SAIDI	SAIFI	5 Year Average
<u>Total Minutes/Frequency</u>		<u>115.82</u>	<u>0.50</u>	

Maintenance

490 Maintenance, Other 0% 0%

Other

800 Other 0.04% 0.12% 0% 0%
 801 Supervisor Review 0% 0% 0% 0%

Planned Outage

100 Construction 0% 0% 0% 0%
 110 Maintenance 0% 0% 0% 0%
 190 Other Planned 0% 0% 0% 0%

Power Supply

000 Power Supply 0% 0% 0% 0%

Public

700 Customer-Caused 0.01% 0.12% 0% 0%
 710 Motor Vehicle 0% 0% 3.14% 18.79%
 720 Aircraft 0% 0% 0% 0%
 730 Fire 0% 0% 0% 0%
 740 Public Cuts Tree 0% 0% 0% 0%
 750 Vandalism 0% 0% 0% 0%
 760 Switching error or caused by construe 0% 0% 0% 0%
 790 Public, Other 0% 0% 0% 0%

Unknown

999 Cause Unknown 0% 0.04% 0.22%

Weather

500 Lightning 31.52% 53.70% 3.04% 3.89%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 224 Judy

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

SIDEVIEW

Substation

Substation Location Montgomery/N. Middletown Rd/Mt. Sterling
 Circuit 224 Judy
 Circuit Location Maysville Rd
 Total Circuit Length (miles) 43.231
 Average Member Count 373
 Date of last Trim 2022 Trim/Herbicide

5 Year Average
 SAIDI SAIFI
 115.82 .50

Totals
 SAIDI SAIFI
 188.59 2.21

Total Minutes/Frequency

Weather

510 Wind, Not Trees	1.20%	0.36%	0%
520 Ice, Sleet, Frost, Not Trees	0%	0%	0%
530 Flood	0%	0%	0%
590 Weather, Other	0%	0%	0%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages
Feeder: 214 Plumlick-Bunker Hill

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

SIDEVIEW

Substation

Substation Location Montgomery/N MIDDLETOWN/Mt. Sterling
 Circuit 214 Plumlick-Bunker Hill
 Circuit Location BUNKER HILL ROAD
 Total Circuit Length (miles) 60.766
 Average Member Count 363
 Date of last Trim 2023 trim/spray

	Totals		5 Year Average	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	749.40	4.28	169.61	1.08

Animals

600 Small Animal/Bird	0.23%	0.52%	3.11%	5.54%
601 Squirrel	0.09%	0.19%	0.33%	0.58%
610 Large Animal	0%	0%	0.27%	0.42%
611 Cattle Rubbing	0%	0%	0.13%	0.16%
612 Animal/Large Bird	0%	0%	0.51%	0.84%
620 Animal damage-gnawing or boring	0%	0%	0%	0%
690 Animal, Other	0%	0%	0.02%	0.05%

Equipment or Installation/Design

300 Material or Equipment Fault/Failure	30.33%	23.45%	0.59%	0.84%
310 Installation Fault	0%	0%	0%	0%
320 Conductor Sag or Inadequate Clearance	0%	0%	0%	0%
340 Overload	0%	0%	0.31%	0.42%
350 Miscoordination of Protection Devices	0%	0%	0%	0%
360 Other Equipment Installation/Design	0%	0%	0.05%	0.05%

Maintenance

400 Decay/Age of Material/Equipment	0.17%	0.19%	0%	0%
410 Corrosion/Abrasion of Material/Equipm	0%	0%	0.04%	0.05%
420 Tree Growth	5.32%	5.73%	19.47%	21.13%
430 Tree failure from overhang or dead tr	14.88%	8.12%	60.17%	52.82%
440 Trees With Ice/Snow	0%	0%	0.05%	0.05%
450 Contamination (leakage/external)	0%	0%	0%	0%
460 Moisture	0%	0%	0%	0%
470 Borrower crew cuts tree	2.01%	23.45%	0%	0%

PSC Report

Excluding Major Event Day outages, Planned outages, Customer Responsible outages and Momentary outages

Feeder: 214 Plumlick-Bunker Hill

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

SIDEVIEW

Substation Location Montgomery/N.Middletown Rd/Mt.Sterling
 Circuit 214 Plumlick-Bunker Hill
 Circuit Location Bunker Hill Rd
 Total Circuit Length (miles) 60.766
 Average Member Count 363
 Date of last Trim 2023.Trim/Spray

	Totals		5 Year Average	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	749.40	4.28	169.61	1.08

	SAIDI	SAIFI	SAIDI	SAIFI
Maintenance				
490 Maintenance, Other	25.76%	23.45%	0%	0%
Other				
800 Other	0%	0%	0.05%	0.05%
801 Supervisor Review	0%	0%	0%	0%
Planned Outage				
100 Construction	0%	0%	0%	0%
110 Maintenance	0%	0%	0%	0%
190 Other Planned	0%	0%	0%	0%
Power Supply				
000 Power Supply	0%	0%	0%	0%
Public				
700 Customer-Caused	0%	0%	0%	0%
710 Motor Vehicle	0%	0%	0.29%	0.31%
720 Aircraft	0%	0%	0%	0%
730 Fire	0%	0%	0%	0%
740 Public Cuts Tree	5.54%	4.32%	0%	0%
750 Vandalism	0%	0%	0%	0%
760 Switching error or caused by construe	0%	0%	0%	0%
790 Public, Other	0.16%	0.26%	0%	0%
Unknown				
999 Cause Unknown	0.15%	0.19%	5.77%	6.33%

PSC Report

Weather
500 Lightning

2.53%

2.26%

8.54%

9.99%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 214 Plumlick-Bunker Hill

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

SIDEVIEW

Substation

Substation Location Montgomery/N.Middletown Rd/Mt.Sterling
 Circuit 214 Plumlick-Bunker Hill
 Circuit Location Bunker Hill
 Total Circuit Length (miles) 60.766
 Average Member Count 363

Date of last Trim 2023 Trim/Spray

	Totals		5 Year Average	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	749.40	4.28	169.61	1.08

Weather

510 Wind, Not Trees	0.69%	0.13%	0.10%	0.21%
520 Ice, Sleet, Frost, Not Trees	0%	0%	0.19%	0.16%
530 Flood	0%	0%	0%	0%
590 Weather, Other	12.13%	7.73%	0%	0%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 114 Little Hardwicks Crk

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

HARDWICKS CREEK

Substation

Substation Location Powell/SPOUT SPRINGS ROAD/Clay City
 Circuit 114 Little Hardwicks Crk
 Circuit Location HARDWICKS CREEK ROAD
 Total Circuit Length (miles) 35.098
 Average Member Count 417
 Date of last Trim 2021 trim/herbicide

	Totals		5 Year Average	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	327.49	3.55	118.34	.70

Animals

600 Small Animal/Bird	0.76%	0.81%	0.83%	2.05%
601 Squirrel	1.21%	1.82%	2.62%	8.49%
610 Large Animal	0%	0%	0%	0%
611 Cattle Rubbing	0%	0%	0%	0%
612 Animal/Large Bird	0%	0%	0.04%	0.07%
620 Animal damage-gnawing or boring	0%	0%	0%	0%
690 Animal, Other	0%	0%	0%	0%

Equipment or Installation/Design

300 Material or Equipment Fault/Failure	2.09%	5.20%	7.49%	6.10%
310 Installation Fault	0%	0%	0%	0%
320 Conductor Sag or Inadequate Clearance	0%	0%	0%	0%
340 Overload	0%	0%	0%	0%
350 Miscoordination of Protection Devices	0%	0%	0%	0%
360 Other Equipment Installation/Design	0%	0%	0%	0%

Maintenance

400 Decay/Age of Material/Equipment	0%	0%	3.44%	2.67%
410 Corrosion/Abrasion of Material/Equipm	0%	0%	0%	0%
420 Tree Growth	0.12%	0.27%	2.51%	2.60%
430 Tree failure from overhang or dead tr	37.06%	42.09%	27.52%	39.45%
440 Trees With Ice/Snow	0%	0%	5.65%	1.51%
450 Contamination (leakage/external)	0%	0%	0%	0%
460 Moisture	0%	0%	0%	0%
470 Borrower crew cuts tree	0%	0%	0%	0%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 114 Little Hardwicks Crk

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

HARDWICKS CREEK

Substation

Substation Location Powell/Spout Spring Rd/Clay City
 Circuit 114 Little Hardwicks Crk
 Circuit Location Hardwicks Creek Rd
 Total Circuit Length (miles) 35.098
 Average Member Count 417
 Date of last Trim 2021 Trim/Herbicide

	SAIDI	SAIFI	Totals	SAIDI	SAIFI
Total Minutes/Frequency	327.49	3.55	Totals	118.34	.70

Maintenance

490 Maintenance, Other 0% 0%

Other

800 Other 0% 0%

801 Supervisor Review 0% 0%

Planned Outage

100 Construction 0% 0%

110 Maintenance 0% 0%

190 Other Planned 0% 0%

Power Supply

000 Power Supply 0% 0%

Public

700 Customer-Caused 0% 0%

710 Motor Vehicle 0% 0%

720 Aircraft 0% 0%

730 Fire 0% 0%

740 Public Cuts Tree 9.16% 28.18%

750 Vandalism 0% 0%

760 Switching error or caused by construe 0% 0%

790 Public, Other 0% 0%

Unknown

999 Cause Unknown 0.55% 0.61%

1.07%

3.22%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Weather		
500 Lightning	0.19%	1.20%
Feeder: 114 Little Hardwicks Crk	0.07%	1.85%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 114 Little Hardwicks Crk

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

HARDWICKS CREEK

Substation

Substation Location Powell/Spout Springs Rd/Clay City
 Circuit 114 Little Hardwicks Crk
 Circuit Location Little Hardwicks Creek/Lone Oak
 Total Circuit Length (miles) 35.098
 Average Member Count 417
 Date of last Trim 2021 Trim/Herbicide

5 Year Average
SAIDI 118.34
SAIFI .70

Totals
SAIDI 327.49
SAIFI 3.55

Total Minutes/Frequency

Weather			
510 Wind, Not Trees	0.83%	0.14%	0%
520 Ice, Sleet, Frost, Not Trees	0%	0%	0%
530 Flood	48.04%	20.81%	0%
590 Weather, Other	0%	1.89%	1.03%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages
Feeder: 114 Tarr Ridge

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

MARIBA

Substation

Substation Location Meniffe/KENDRICK RIDGE ROAD/Frenchburg
 Circuit 114 Tarr Ridge
 Circuit Location TARR RIDGE ROAD
 Total Circuit Length (miles) 84.376
 Average Member Count 266
 Date of last Trim 2021 Herbicide

	Totals		5 Year Average	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	89.03	.34	29.99	.26

Animals

600 Small Animal/Bird	1.86%	10%	2.14%	4.01%
601 Squirrel	7.26%	31.11%	7.23%	10.32%
610 Large Animal	0%	0%	0%	0%
611 Cattle Rubbing	0%	0%	0%	0%
612 Animal/Large Bird	0.05%	1.11%	0.13%	0.29%
620 Animal damage-gnawing or boring	0%	0%	0%	0%
690 Animal, Other	0.48%	1.11%	0%	0%

Equipment or Installation/Design

300 Material or Equipment Fault/Failure	0%	0%	23.09%	36.10%
310 Installation Fault	0%	0%	0%	0%
320 Conductor Sag or Inadequate Clearance	0%	0%	0%	0%
340 Overload	0%	0%	0%	0%
350 Miscoordination of Protection Devices	0%	0%	0%	0%
360 Other Equipment Installation/Design	0%	0%	0%	0%

Maintenance

400 Decay/Age of Material/Equipment	0%	0%	0.34%	0.29%
410 Corrosion/Abrasion of Material/Equipm	0%	0%	0%	0%
420 Tree Growth	17.29%	23.33%	0.15%	0.29%
430 Tree failure from overhang or dead tr	44.66%	31.11%	32.74%	24.64%
440 Trees With Ice/Snow	0%	0%	12.02%	2.01%
450 Contamination (leakage/external)	0%	0%	0%	0%
460 Moisture	0%	0%	0%	0%
470 Borrower crew cuts tree	0%	0%	0%	0%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 114 Tarr Ridge

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

MARIBA

Substation

Substation Location Meniffee/Kendrick Ridge/Frenchburg
 Circuit 114 Tarr Ridge
 Circuit Location Tarr Ridge
 Total Circuit Length (miles) 84.376
 Average Member Count 266
 Date of last Trim 2021 Herbicide

	Totals		5 Year Average	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	89.03	.34	29.99	.26

Maintenance

490 Maintenance, Other 0% 0%

Other

800 Other 0% 0%

801 Supervisor Review 0% 0%

Planned Outage

100 Construction 0% 0%

110 Maintenance 0% 0%

190 Other Planned 0% 0%

Power Supply

000 Power Supply 0% 0%

Public

700 Customer-Caused 0% 0%

710 Motor Vehicle 0% 0%

720 Aircraft 0% 0%

730 Fire 0% 0%

740 Public Cuts Tree 0% 0%

750 Vandalism 0% 0%

760 Switching error or caused by construe 0% 0%

790 Public, Other 0% 0%

999 Cause Unknown 0% 0%

Unknown

999 Cause Unknown 0% 0%

PSC Report

Weather
500 Lightning

0%

0%

15.36%

16.33%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 114 Tarr Ridge

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

MARIBA

Substation

Substation Location Meniffee/Kendrick Ridge/Frenchburg
 Circuit 114 Tarr Ridge
 Circuit Location Tarr Ridge
 Total Circuit Length (miles) 84.376
 Average Member Count 266
 Date of last Trim Herbicide 2021

	Totals	5 Year Average
	SAIDI	SAIFI
Total Minutes/Frequency	89.03	29.99
	.34	.26

Weather

510 Wind, Not Trees	28.39%	2.22%	0%
520 Ice, Sleet, Frost, Not Trees	0%	0%	0%
530 Flood	0%	0%	0%
590 Weather, Other	1.28%	0.57%	0%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 204 Combs Ferry

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

Substation	BECKNERVILLE
Substation Location	Clark/COMBS FERRY ROAD/Winchester
Circuit	204 Combs Ferry
Circuit Location	COMBS FERRY ROAD
Total Circuit Length (miles)	7.683
Average Member Count	153
Date of last Trim	2020 Herbicide

	Totals		5 Year Average	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	183.14	.74	126.82	.64

Animals				
600 Small Animal/Bird	0%	0%	2.32%	4.97%
601 Squirrel	0%	0%	0.05%	0.41%
610 Large Animal	0%	0%	0%	0%
611 Cattle Rubbing	0%	0%	0%	0%
612 Animal/Large Bird	0%	0%	0%	0%
620 Animal damage-gnawing or boring	0%	0%	0%	0%
690 Animal, Other	0%	0%	0%	0%
Equipment or Installation/Design				
300 Material or Equipment Fault/Failure	0%	0%	0.42%	0.62%
310 Installation Fault	0%	0%	0%	0%
320 Conductor Sag or Inadequate Clearance	0%	0%	0%	0%
340 Overload	0%	0%	0%	0%
350 Miscoordination of Protection Devices	0%	0%	0%	0%
360 Other Equipment Installation/Design	0%	0%	0%	0%
Maintenance				
400 Decay/Age of Material/Equipment	1.37%	1.77%	0.40%	0.83%
410 Corrosion/Abrasion of Material/Equipm	0%	0%	0%	0%
420 Tree Growth	1.43%	1.77%	11.72%	4.35%
430 Tree failure from overhang or dead tr	83.87%	84.07%	58.64%	50.93%
440 Trees With Ice/Snow	0%	0%	0%	0%
450 Contamination (leakage/external)	0%	0%	0%	0%
460 Moisture	0%	0%	0%	0%
470 Borrower crew cuts tree	0%	0%	0%	0%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 204 Combs Ferry

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

BECKNERVILLE

Substation

Substation Location Clark/Combs Ferry rd/Winchester
 Circuit 204 Combs Ferry
 Circuit Location Combs Ferry rd
 Total Circuit Length (miles) 7.683
 Average Member Count 153
 Date of last Trim 2020 Herbicide

	Totals	5 Year Average
	SAIDI	SAIFI
Total Minutes/Frequency	183.14	.74
	126.82	.64

Maintenance

490 Maintenance, Other 0%

Other

800 Other 7.27%
 801 Supervisor Review 1.77%

Planned Outage

100 Construction 0%
 110 Maintenance 0%
 190 Other Planned 0%

Power Supply

000 Power Supply 0%

Public

700 Customer-Caused 0%
 710 Motor Vehicle 0%
 720 Aircraft 0.83%
 73-0 Fire 0%
 740 Public Cuts Tree 0%
 750 Vandalism 0%
 760 Switching error or caused by construe 0%
 790 Public, Other 0%

Unknown

999 Cause Unknown 0.58%

1.77%

9.11%

14.29%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Weather	Feeder: 204 Combs Ferry	
500 Lightning	4.64%	5.31%
	4.39%	6.42%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 204 Combs Ferry

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

BECKNERVILLE

Substation

Substation Location Clark/Combs Ferry rd/Winchester
 Circuit 204 Combs Ferry
 Circuit Location Combs Ferry rd
 Total Circuit Length (miles) 7.683
 Average Member Count 153
 Date of last Trim 2020 Herbicide

	Totals	
	SAIDI	SAIFI
Total Minutes/Frequency	183.14	.74
	126.82	.64

Weather

510 Wind, Not Trees	0%	0%	12.93%	16.98%
520 Ice, Sleet, Frost, Not Trees	0%	0%	0.02%	0.21%
530 Flood	0%	0%	0%	0%
590 Weather, Other	0%	0%	0%	0%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 214 College Hill

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

HUNT

Substation

Substation Location Clark/JACKSON FERRY ROAD/Winchester
 Circuit 214 College Hill
 Circuit Location COLLEGE HILL ROAD
 Total Circuit Length (miles) 76.70
 Average Member Count 715
 Date of last Trim 2021 Herbicide 2023

	Totals		5 Year Average	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	11012.33	3.33	425.89	2.25

Animals

600 Small Animal/Bird	0.30%	1.01%	0.84%	1.11%
601 Squirrel	12.49%	22.75%	12.10%	10.93%
610 Large Animal	0%	0%	0%	0%
611 Cattle Rubbing	0%	0%	0.02%	0.03%
612 Animal/Large Bird	0%	0%	0%	0%
620 Animal damage-gnawing or boring	0%	0%	0%	0%
690 Animal, Other	0%	0%	0%	0%

Equipment or Installation/Design

300 Material or Equipment Fault/Failure	0.81%	1.93%	12.60%	16.47%
310 Installation Fault	0%	0%	0%	0%
320 Conductor Sag or Inadequate Clearance	0%	0%	0%	0%
340 Overload	0%	0%	0.13%	0.16%
350 Miscoordination of Protection Devices	0%	0%	0%	0%
360 Other Equipment Installation/Design	0%	0%	0%	0%

Maintenance

400 Decay/Age of Material/Equipment	1.70%	2.90%	1.89%	1.66%
410 Corrosion/Abrasion of Material/Equipm	0.06%	0.17%	0.02%	0.06%
420 Tree Growth	0.56%	0.84%	3.85%	6.07%
430 Tree failure from overhang or dead tr	5.92%	7.85%	46.56%	43.49%
440 Trees With Ice/Snow	0%	0%	1.56%	0.93%
450 Contamination (leakage/external)	0%	0%	0%	0%
460 Moisture	0%	0%	0%	0%
470 Borrower crew cuts tree	0%	0%	0.11%	0.10%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 214 College Hill

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

Substation	HUNT				
Substation Location	Clark/Jackson Ferry/Winchester				
Circuit	<u>214 College Hill</u>				
Circuit Location	College Hill				
Total Circuit Length (miles)	76.70				
Average Member Count	715				
Date of last Trim	2021 Herbicide 2023				
		Totals			
		SAIDI	SAIFI	SAIDI	SAIFI
		14012.33	3.33	425.89	2.25
		Total Minutes/Frequency			

Maintenance					
490 Maintenance, Other		0.01%	0.04%	0%	0%
Other					
800 Other		0%	0%	0%	0%
801 Supervisor Review		0%	0%	0.03%	0.06%
Planned Outage					
100 Construction		0%	0%	0%	0%
110 Maintenance		0%	0%	0%	0%
190 Other Planned		0%	0%	0%	0%
Power Supply					
000 Power Supply		0%	0%	0%	0%
Public					
700 Customer-Caused		0.01%	0.04%	0.00%	0.03%
710 Motor Vehicle		0.01%	0.04%	7.93%	6.75%
720 Aircraft		0%	0%	0%	0%
730 Fire		0%	0%	0%	0%
740 Public Cuts Tree		1.88%	2.90%	2.40%	2.35%
750 Vandalism		0%	0%	0%	0%
760 Switching error or caused by construe		0%	0%	0%	0%
790 Public, Other		0%	0%	0%	0%
Unknown					
999 Cause Unknown		1.85%	3.06%	1.93%	3.22%

PSC Report

Weather

500 Lightning

74.41% 56.47%

3.30%

3.93%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages
Feeder: 214 College Hill

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

HUNT

Substation

Substation Location Clark/Jackson Ferry/Winchester
 Circuit 214 College Hill
 Circuit Location College Hill
 Total Circuit Length (miles) 76.70
 Average Member Count 715
 Date of last Trim 2021 Herbicide 2023

	Totals	SAIDI	SAIFI	5 Year Average
		SAIDI	SAIFI	SAIDI SAIFI
Total Minutes/Frequency	1,012.33	425.89	3.33	2.25

Weather

510 Wind, Not Trees	0%	0%	0%	0%
520 Ice, Sleet, Frost, Not Trees	0%	1.73%	0%	0.64%
530 Flood	0%	0%	0%	0%
590 Weather, Other	0%	2.98%	2.01%	2.01%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 224 Bybee-Elkin Station
 1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

HUNT

Substation _____
 Substation Location Clark/JACKSON FERRY ROAD/Winchester
 Circuit 224 Bybee-Elkin Station
 Circuit Location ELKIN STATION ROAD
 Total Circuit Length (miles) 27.276
 Average Member Count 265
 Date of last Trim TRIM-2021/SPRAYED 2022

Totals	SAIDI	SAIFI	5 Year Average SAIDI	5 Year Average SAIFI
	<u>411.52</u>	<u>2.38</u>	<u>189.36</u>	<u>1.05</u>

Minutes/Frequency Animals

Total	SAIDI	SAIFI	5 Year Average SAIDI	5 Year Average SAIFI
600 Small Animal/Bird	0%	0%	0.48%	1.31%
601 Squirrel	0.97%	1.74%	0.62%	1.68%
610 Large Animal	0%	0%	0%	0%
611 Cattle Rubbing	0%	0%	0.03%	0.07%
612 Animal/Large Bird	0%	0%	0%	0%
620 Animal damage-gnawing or boring	0%	0%	0%	0%
690 Animal, Other	0%	0%	0%	0%

Equipment or Installation/Design

300 Material or Equipment Fault/Failure	1.37%	0.95%	4.28%	6.13%
310 Installation Fault	0%	0%	0%	0%
320 Conductor Sag or Inadequate Clearance	0%	0%	0%	0%
340 Overload	0%	0%	0.74%	0.80%
350 Miscoordination of Protection Devices	0%	0%	0%	0%
360 Other Equipment Installation/Design	0.06%	0.16%	0%	0%

Maintenance

400 Decay/Age of Material/Equipment	0%	0%	8.03%	17.59%
410 Corrosion/Abrasion of Material/Equipm	0%	0%	5.23%	3.07%
420 Tree Growth	5.39%	6.49%	22.28%	11.61%
430 Tree failure from overhang or dead tr	86.68%	87.34%	33.38%	35.33%
440 Trees With Ice/Snow	0%	0%	0%	0%
450 Contamination (leakage/external)	0%	0%	0%	0%
460 Moisture	0%	0%	0%	0%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

470 Borrower crew cuts tree Feeder: 224 Bybee-Elkin Station 0.03% 0.07%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 224 Bybee-Elkin Station

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

HUNT

Substation HUNT
 Substation Location Clark/Jackson Ferry/Winchester
 Circuit 224 Bybee-Elkin Station
 Circuit Location Elkin Station
 Total Circuit Length (miles) 27.276
 Average Member Count 265
 Date of last Trim trim 2021 Herbicide 2022

	SAIDI	SAIFI	Totals	SAIDI	SAIFI
Total Minutes/Frequency	411.52	2.38		189.36	1.05

Maintenance					
490 Maintenance, Other	0%		0%	0.07%	0.15%
Other					
800 Other	0%		0%	0%	0%
801 Supervisor Review	0%		0%	0%	0%
Planned Outage					
100 Construction	0%		0%	0%	0%
110 Maintenance	0%		0%	0%	0%
190 Other Planned	0%		0%	0%	0%
Power Supply					
000 Power Supply	0%		0%	0%	0%
Public					
700 Customer-Caused	0%		0%	0%	0%
710 Motor Vehicle	0%		0%	3.35%	3.07%
720 Aircraft	0%		0%	0%	0%
730 Fire	0.14%	0.32%	0%	0%	0%
740 Public Cuts Tree	0%		0%	0.03%	0.07%
750 Vandalism	0%		0%	0%	0%
760 Switching error or caused by construe	0%		0%	0%	0%
790 Public, Other	0%		0%	0%	0%
Unknown					
999 Cause Unknown	0.37%	0.79%	0%	9.56%	7.88%
Weather					
500 Lightning	5.01%	2.22%	0%	9.70%	10.36%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 224 Bybee-Elkin Station
 1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

HUNT

Substation

Substation Location Clark/Jackson Ferry/Winchester
 Circuit 224 Bybee-Elkin Station
 Circuit Location Elkin Station
 Total Circuit Length (miles) 27.276
 Average Member Count 265
 Date of last Trim Trim 2021 Herbicide 2022

	Totals	5 Year Average	
	SAIDI	SAIFI	SAIFI
Total Minutes/Frequency	411.52	2.38	1.05

Weather

510 Wind, Not Trees	0%	0%	0.22%
520 Ice, Sleet, Frost, Not Trees	0%	0%	0.44%
530 Flood	0%	0%	0%
590 Weather, Other	0%	0.63%	0.15%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 134 Treehaven

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

TREEHAVEN

Substation

Clark Co. Rockwell Road/Winchester

134 Treehaven

Treehaven mobile home park

.967

102

2023

5 Year Average
SAIDI 46.35
SAIFI .49

Totals
SAIDI 56.11
SAIFI .66

Total Minutes/Frequency

Animals

600 Small Animal/Bird	0%	0%	26.31%	25.88%
601 Squirrel	52.47%	49.25%	32.04%	28.07%
610 Large Animal	0%	0%	0%	0%
611 Cattle Rubbing	0%	0%	0%	0%
612 Animal/Large Bird	0%	0%	1.05%	1.75%
620 Animal damage-gnawing or boring	0%	0%	0%	0%
690 Animal, Other	0%	0%	0%	0%

Equipment or Installation/Design

300 Material or Equipment Fault/Failure	0%	0%	0%	0%
310 Installation Fault	0%	0%	0%	0%
320 Conductor Sag or Inadequate Clearance	0%	0%	0%	0%
340 Overload	0%	0%	9.98%	12.72%
350 Miscoordination of Protection Devices	0%	0%	0%	0%
360 Other Equipment Installation/Design	0%	0%	0%	0%

Maintenance

400 Decay/Age of Material/Equipment	0%	0%	0%	0%
410 Corrosion/Abrasion of Material/Equipm	0%	0%	0%	0%
420 Tree Growth	0%	0%	0%	0%
430 Tree failure from overhang or dead tr	47.53%	50.75%	0%	0%
440 Trees With Ice/Snow	0%	0%	0%	0%
450 Contamination (leakage/external)	0%	0%	0%	0%
460 Moisture	0%	0%	0%	0%
470 Borrower crew cuts tree	0%	0%	0%	0%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 134 Treehaven

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

TREEHAVEN

Substation

Substation Location Clark/Rockwell rd/Winchester
 Circuit 134 Treehaven
 Circuit Location Treehaven
 Total Circuit Length (miles) .967
 Average Member Count 102
 Date of last Trim 2023

5 Year Average
SAIDI 46.35
SAIFI .49

Totals
SAIDI 56.11
SAIFI .66

Total Minutes/Frequency

Weather

510 Wind, Not Trees	0%	0%	0%
520 Ice, Sleet, Frost, Not Trees	0%	0%	0%
530 Flood	0%	0%	0%
590 Weather, Other	0%	0%	0%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 244 Means

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

Substation JEFFERSONVILLE
 Substation Location Montgomery Co/Hwy 1050/Jeffersonville
 Circuit 244 Means
 Circuit Location Hwy 460 Means
 Total Circuit Length (miles) 46.54
 Average Member Count 588
 Date of last Trim 2022 Herbicide 2018

	Total	SAIDI	SAIFI	5 Year Average
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	270.54	1.40	106.15	1.07

Animals

600 Small Animal/Bird	0.35%	0.24%	0.72%	0.84%
601 Squirrel	0.10%	0.48%	0.64%	0.84%
610 Large Animal	0%	0%	0%	0%
611 Cattle Rubbing	0%	0%	0%	0%
612 Animal/Large Bird	0%	0%	0.06%	0.16%
620 Animal damage-gnawing or boring	0%	0%	0%	0%
690 Animal, Other	0%	0%	0%	0%

Equipment or Installation/Design

300 Material or Equipment Fault/Failure	0.05%	0.12%	6.33%	4.86%
310 Installation Fault	0%	0%	0%	0%
320 Conductor Sag or Inadequate Clearance	0%	0%	0%	0%
340 Overload	0%	0%	0.06%	0.16%
350 Miscoordination of Protection Devices	0%	0%	0%	0%
360 Other Equipment Installation/Design	0%	0%	0%	0%

Maintenance

400 Decay/Age of Material/Equipment	5.56%	7.99%	10.00%	18.31%
410 Corrosion/Abrasion of Material/Equipm	0%	0%	0.03%	0.06%
420 Tree Growth	0.08%	0.24%	0.62%	0.52%
430 Tree failure from overhang or dead tr	31.72%	15.01%	35.80%	34.10%
440 Trees With Ice/Snow	0%	0%	9.58%	3.01%
450 Contamination (leakage/external)	0%	0%	0%	0%
460 Moisture	0%	0%	0%	0%
470 Borrower crew cuts tree	0%	0%	0%	0%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 244 Means

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

Substation JEFFERSONVILLE
 Substation Location Montgomery/Hwy 1050/Jeffersonville
 Circuit 244 Means
 Circuit Location Hwy 460 Means
 Total Circuit Length (miles) 46.54
 Average Member Count 588
 Date of last Trim 2022 Herbicide 2018

5 Year Average
SAIDI 106.15 **SAIFI 1.07**

Totals
SAIDI 270.54 **SAIFI 1.40**
Total Minutes/Frequency

Maintenance				
490 Maintenance, Other	35.30%	70.82%	4.67%	2.07%
Other				
800 Other	0%	0%	0%	0%
801 Supervisor Review	0%	0%	0%	0%
Planned Outage				
100 Construction	0%	0%	0%	0%
110 Maintenance	0%	0%	0%	0%
190 Other Planned	0%	0%	0%	0%
Power Supply				
000 Power Supply	0%	0%	0%	0%
Public				
700 Customer-Caused	0%	0%	0%	0%
710 Motor Vehicle	0.20%	0.24%	14.19%	19.00%
720 Aircraft	0%	0%	0%	0%
730 Fire	0%	0%	0%	0%
740 Public Cuts Tree	0%	0%	0.21%	0.23%
750 Vandalism	0%	0%	0%	0%
760 Switching error or caused by construe	0%	0%	0%	0%
790 Public, Other	0%	0%	0%	0%
Unknown				
999 Cause Unknown	0.08%	0.36%	8.24%	9.11%
Weather				
500 Lightning	0.87%	2.06%	0.88%	0.81%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 244 Means

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

JEFFERSONVILLE

Substation _____
 Substation Location Montgomery/Hwy 1050/Jeffersonville _____
 Circuit 244 Means
 Circuit Location Hwy 460/Means _____
 Total Circuit Length (miles) 46.54 _____
 Average Member Count 588 _____
 Date of last Trim 2022 Herbicide 2018 _____

Totals		5 Year Average	
SAIDI	SAIFI	SAIDI	SAIFI
106.15	1.07	3.08%	3.34%
4.36%	1.98%	0.55%	0.58%
0%	0%	0%	0%

Totals		5 Year Average	
SAIDI	SAIFI	SAIDI	SAIFI
270.54	1.40	25.69%	2.42%
0%	0%	0%	0%
0%	0%	0%	0%
0%	0%	0%	0%

Total Minutes/Frequency 270.54

Weather

510 Wind, Not Trees
 520 Ice, Sleet, Frost, Not Trees
 530 Flood
 590 Weather, Other

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 234 Three Forks-Pineur Rd

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

THREE FORKS

Substation

Substation Location Madison Co. Three Forks Rd. / Richmond
 Circuit 234 Three Forks-Pineur Rd
 Circuit Location Pineur Acres/ Threeforks Road
 Total Circuit Length (miles) 14.45
 Average Member Count 152
 Date of last Trim 2023 trim/herbicide

	Totals	5 Year Average
	SAIDI	SAIFI
Total Minutes/Frequency	689.30	112.24
	1.44	.75

Animals

600 Small Animal/Bird	0%	0%	3.68%	5.65%
601 Squirrel	0%	0%	8.80%	13.25%
610 Large Animal	0%	0%	0%	0%
611 Cattle Rubbing	0%	0%	0%	0%
612 Animal/Large Bird	0%	0%	0%	0%
620 Animal damage-gnawing or boring	0%	0%	0%	0%
690 Animal, Other	0%	0%	0%	0%

Equipment or Installation/Design

300 Material or Equipment Fault/Failure	0%	0%	21.00%	18.37%
310 Installation Fault	0%	0%	0%	0%
320 Conductor Sag or Inadequate Clearance	0%	0%	1.02%	1.24%
340 Overload	0%	0%	0%	0%
350 Miscoordination of Protection Devices	0%	0%	0%	0%
360 Other Equipment Installation/Design	0%	0%	0%	0%

Maintenance

400 Decay/Age of Material/Equipment	0.04%	0.46%	0.97%	1.59%
410 Corrosion/Abrasion of Material/Equipm	0%	0%	24.23%	20.85%
420 Tree Growth	3.53%	19.63%	0.40%	0.53%
430 Tree failure from overhang or dead tr	82.24%	68.49%	33.79%	30.74%
440 Trees With Ice/Snow	0%	0%	0%	0%
450 Contamination (leakage/external)	0%	0%	0%	0%
460 Moisture	0%	0%	0%	0%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

470 Borrower crew cuts tree Feeder: 234 Three Forks-Pineur Rd 0% 0%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 234 Three Forks-Pineur Rd

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

Substation THREE FORKS

Substation Location Madison/Threeforks rd/Richmond

Circuit 234 Three Forks-Pineur Rd

Circuit Location Pineur Drive/Threeforks Rd

Total Circuit Length (miles) 14.45

Average Member Count 152

Date of last Trim 2023 HERBICIDE 2023

	SAIDI	SAIFI	SAIDI	SAIFI
Totals	689.30	1.44	112.24	.75
Total Minutes/Frequency				

Maintenance							
490 Maintenance, Other	0%	0%	0%	0%	0%	0%	0%
Other							
800 Other	0%	0%	0%	0%	0%	0%	0%
801 Supervisor Review	0%	0%	0%	0%	0%	0%	0%
Planned Outage							
100 Construction	0%	0%	0%	0%	0%	0%	0%
110 Maintenance	0%	0%	0%	0%	0%	0%	0%
190 Other Planned	0%	0%	0%	0%	0%	0%	0%
Power Supply							
000 Power Supply	0%	0%	0%	0%	0%	0%	0%
Public							
700 Customer-Caused	0.10%	0.46%	0.08%	0.18%	0.08%	0.18%	0.08%
710 Motor Vehicle	0%	0%	0%	0%	0%	0%	0%
720 Aircraft	0%	0%	0%	0%	0%	0%	0%
730 Fire	0%	0%	0%	0%	0%	0%	0%
740 Public Cuts Tree	0%	0%	0%	0%	0%	0%	0%
750 Vandalism	0%	0%	0%	0%	0%	0%	0%
760 Switching error or caused by construe	0%	0%	0%	0%	0%	0%	0%
790 Public, Other	0%	0%	0%	0%	0%	0%	0%
Unknown							
999 Cause Unknown	0.48%	4.11%	2.86%	4.95%	2.86%	4.95%	2.86%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Weather	Feeder: 234 Three Forks-Pineur Rd		
500 Lightning	0.61%	2.74%	
		1.94%	2.12%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 234 Three Forks-Pineur Rd

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

THREE FORKS

Substation

Substation Location Madison/Threeforks rd/Richmond
 Circuit 234 Three Forks-Pineur Rd
 Circuit Location Pineur Drive/Threeforks Rd
 Total Circuit Length (miles) 14.45
 Average Member Count 152
 Date of last Trim

5 Year Average
 SAIDI 112.24
 SAIFI .75

Totals
 SAIDI 689.30
 SAIFI 1.44

Total Minutes/Frequency

Weather	510 Wind, Not Trees	13.01%	4.11%	0%	0%
	520 Ice, Sleet, Frost, Not Trees	0%	0%	0%	0%
	530 Flood	0%	0%	0%	0%
	590 Weather, Other	0%	0%	1.25%	0.53%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 224 Ford

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

THREE FORKS

Substation

Substation Location Madison Co./Threeforks Rd./Richmond
 Circuit 224 Ford
 Circuit Location Ford Road
 Total Circuit Length (miles) 12.43
 Average Member Count 330
 Date of last Trim Trim/herbicide 2023

	Totals		5 Year Average	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	289.61	2.00	209.96	1.38

Animals

600 Small Animal/Bird	0.14%	0.15%	1.54%	1.98%
601 Squirrel	1.91%	2.43%	1.41%	2.42%
610 Large Animal	0%	0%	0%	0%
611 Cattle Rubbing	0%	0%	0.18%	0.18%
612 Animal/Large Bird	0.28%	0.46%	0%	0%
620 Animal damage-gnawing or boring	0%	0%	0%	0%
690 Animal, Other	0%	0%	0%	0%

Equipment or Installation/Design

300 Material or Equipment Fault/Failure	38.55%	50.68%	14.56%	25.22%
310 Installation Fault	0%	0%	0%	0%
320 Conductor Sag or Inadequate Clearance	0%	0%	0%	0%
340 Overload	0%	0%	0.35%	0.66%
350 Miscoordination of Protection Devices	0%	0%	0%	0%
360 Other Equipment Installation/Design	0%	0%	0%	0%

Maintenance

400 Decay/Age of Material/Equipment	32.41%	18.06%	0.48%	0.57%
410 Corrosion/Abrasion of Material/Equipm	0%	0%	0%	0%
420 Tree Growth	0.35%	0.30%	3.47%	3.12%
430 Tree failure from overhang or dead tr	4.92%	6.53%	9.87%	9.27%
440 Trees With Ice/Snow	0%	0%	0%	0%
450 Contamination (leakage/external)	0%	0%	0%	0%
460 Moisture	0%	0%	0%	0%
470 Borrower crew cuts tree	0%	0%	0%	0%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 224 Ford

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

THREE FORKS

Substation

Substation Location MADISON CO./THREEFORKS RD/RICHMOND
 Circuit 224 Ford
 Circuit Location FORD ROAD
 Total Circuit Length (miles) 12.431
 Average Member Count 330
 Date of last Trim 2023 HERBICIDE 2023

5 Year Average
SAIDI 209.96 SAIFI 1.38

Totals
SAIDI 289.61 SAIFI 2.00

Total Minutes/Frequency

Maintenance					
490 Maintenance, Other	0.53%	0.30%	0%	0%	0%
Other					
800 Other	0.31%	0.30%	0%	0%	0%
801 Supervisor Review	0%	0%	0%	0%	0%
Planned Outage					
100 Construction	0%	0%	0%	0%	0%
110 Maintenance	0%	0%	0%	0%	0%
190 Other Planned	0%	0%	0%	0%	0%
Power Supply					
000 Power Supply	0%	0%	17.12%	14.63%	0%
Public					
700 Customer-Caused	13.93%	16.69%	0.02%	0.04%	0.04%
710 Motor Vehicle	0%	0%	27.55%	15.77%	0%
720 Aircraft	0%	0%	0%	0%	0%
730 Fire	0%	0%	0%	0%	0%
740 Public Cuts Tree	0%	0%	0%	0%	0%
750 Vandalism	0%	0%	0.02%	0.04%	0%
760 Switching error or caused by construe	0%	0%	0%	0%	0%
790 Public, Other	0%	0%	0.22%	0.13%	0%
Unknown					
999 Cause Unknown	1.04%	1.52%	10.23%	10.37%	0%
Weather					

PSC Report

500 Lightning
Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages
Feeder 64224 Ford 6.96% 9.45%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 224 Ford

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

THREE FORKS

Substation

Substation Location MADISON CO./THREEFORKS RD/RICHMOND
 Circuit 224 Ford
 Circuit Location FORD ROAD
 Total Circuit Length (miles) 12.431
 Average Member Count 330
 Date of last Trim TRIM\HERBICIDE 2023

5 Year Average
SAIDI 209.96
SAIFI 1.38

Totals
SAIDI 289.61
SAIFI 2.00

Total Minutes/Frequency

Weather

510 Wind, Not Trees	0%	0%	0%
520 Ice, Sleet, Frost, Not Trees	0%	5.46%	6.11%
530 Flood	0%	0%	0%
590 Weather, Other	0%	0.57%	0.04%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 244 Dunbar

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

Substation

UNION CITY

Substation Location Madison Co./Union City Road/Richmond_
 Circuit 244 Dunbar
 Circuit Location Dunbar Lane
 Total Circuit Length (miles) 16.69
 Average Member Count 307
 Date of last Trim Trim 2018 Herbicide 2023

5 Year Average
SAIDI 52.25
SAIFI .73

Totals
SAIDI 146.24
SAIFI .69

Total

Minutes/Frequency Animals

600 Small Animal/Bird	0%	0%	2.34%	1.45%
601 Squirrel	0%	0%	0.66%	0.36%
610 Large Animal	0%	0%	0%	0%
611 Cattle Rubbing	0%	0%	0%	0%
612 Animal/Large Bird	0%	0%	0%	0%
620 Animal damage-gnawing or boring	0%	0%	0%	0%
690 Animal, Other	0%	0%	0%	0%

Equipment or Installation/Design

300 Material or Equipment Fault/Failure	0.28%	0.47%	28.77%	16.80%
310 Installation Fault	0%	0%	0.78%	0.36%
320 Conductor Sag or Inadequate Clearance	0%	0%	0%	0%
340 Overload	0%	0%	0%	0%
350 Miscoordination of Protection Devices	0%	0%	0%	0%
360 Other Equipment Installation/Design	0%	0%	0%	0%

Maintenance

400 Decay/Age of Material/Equipment	1.01%	1.42%	0.60%	0.27%
410 Corrosion/Abrasion of Material/Equipm	0%	0%	0.12%	0.09%
420 Tree Growth	0.44%	0.94%	26.13%	12.83%
430 Tree failure from overhang or dead tr	75.21%	61.79%	22.82%	31.53%
440 Trees With Ice/Snow	0%	0%	0%	0%
450 Contamination (leakage/external)	0%	0%	0%	0%
460 Moisture	0%	0%	0%	0%

PSC Report

470 Borrower crew cuts tree

0%

0%

2.56%

26.02%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 244 Dunbar

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

Substation UNION CITY
 Substation Location Madison Co./Union City Road/Richmond
 Circuit 244 Dunbar
 Circuit Location DUNBAR LANE
 Total Circuit Length (miles) 16.69
 Average Member Count 307
 Date of last Trim TRIM 2018\HERBICIDE 2023

	Totals	SAIDI	SAIFI	5 Year Average
		SAIDI	SAIFI	SAIDI SAIFI
Total Minutes/Frequency	146.24	.69		52.25 .73

Maintenance

490 Maintenance, Other	0.45%	0.94%	0%	0%
Other				
800 Other	0%	0%	0%	0%
801 Supervisor Review	0%	0%	0%	0%
Planned Outage				
100 Construction	0%	0%	0%	0%
110 Maintenance	0%	0%	0%	0%
190 Other Planned	0%	0%	0%	0%

Power Supply

000 Power Supply	0%	0%	0%	0%
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Public

700 Customer-Caused	0%	0%	0.25%	0.09%
710 Motor Vehicle	0%	0%	2.29%	1.72%
720 Aircraft	0%	0%	0%	0%
730 Fire	0%	0%	0%	0%
740 Public Cuts Tree	10.78%	18.87%	0%	0%
750 Vandalism	0%	0%	0%	0%
760 Switching error or caused by construe	0%	0%	0%	0%
790 Public, Other	0%	0%	0%	0%

Unknown

999 Cause Unknown	1.64%	3.77%	3.23%	2.35%
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PSC Report

Weather

500 Lightning

8.14%

10.85%

8.79%

5.78%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages
Feeder: 244 Dunbar

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

Substation UNION CITY

Substation Location Madison Co./Union City Road/Richmond

Circuit 244 Dunbar

Circuit Location DUNBAR LANE

Total Circuit Length (miles) 16.69

Average Member Count 307

Date of last Trim TRIM 2018/HERBICIDE 2023

5 Year Average
SAIDI 52.25
SAIFI .73

Tota.ls
SAIDI 146.24
SAIFI .69

Tota.l Minutes/Frequency

Weather			
510 Wind, Not Trees	2.06%	0.94%	0%
520 Ice, Sleet, Frost, Not Trees	0%	0%	0.36%
530 Flood	0%	0%	0%
590 Weather, Other	0%	0%	0%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 224 Hackett Pk-Hampton Rdg
 1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

UNION CITY
 Substation _____
 Substation Location _____
 Circuit _____
 Circuit Location _____
 Total Circuit Length (miles) _____
 Average Member Count _____
 Date of last Trim _____

Madison Co./Union City Road/ Richmond _____
 224 Hackett Pk-Hampton Rdg _____
 Hackett Pike/ Hampton Ridge _____
 10.91 _____
 543 _____
 Trim/Herbicide 2023 _____

	SAIDI	SAIFI	5 Year Average SAIDI	5 Year Average SAIFI
Total Minutes	169.81	2.50	118.19	.88

	SAIDI	SAIFI	5 Year Average SAIDI	5 Year Average SAIFI
Animals				
600 Small Animal/Bird	0%	0%	0.05%	0.04%
601 Squirrel	0.93%	0.66%	0.44%	0.90%
610 Large Animal	0%	0%	0.27%	0.34%
611 Cattle Rubbing	0%	0%	1.07%	1.20%
612 Animal/Large Bird	0%	0%	1.11%	1.03%
620 Animal damage-gnawing or boring	0%	0%	0%	0%
690 Animal, Other	0%	0%	0%	0%

	SAIDI	SAIFI	5 Year Average SAIDI	5 Year Average SAIFI
Equipment or Installation/Design				
300 Material or Equipment Fault/Failure	0%	0%	34.08%	28.19%
310 Installation Fault	0%	0%	0%	0%
320 Conductor Sag or Inadequate Clearance	0%	0%	0.26%	0.26%
340 Overload	0%	0%	0%	0%
350 Miscoordination of Protection Devices	0%	0%	0%	0%
360 Other Equipment Installation/Design	0%	0%	0%	0%

	SAIDI	SAIFI	5 Year Average SAIDI	5 Year Average SAIFI
Maintenance				
400 Decay/Age of Material/Equipment	0.45%	0.15%	0.46%	0.60%
410 Corrosion/Abrasion of Material/Equipm	0%	0%	0%	0%
420 Tree Growth	1.18%	1.03%	1.81%	2.87%
430 Tree failure from overhang or dead tr	47.67%	81.36%	35.71%	25.49%
440 Trees With Ice/Snow	0%	0%	0%	0%
450 Contamination (leakage/external)	0%	0%	0%	0%
460 Moisture	0%	0%	0%	0%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

470 Borrower crew cuts tree **Feeder: 224 Hackett Pk-Hampton Rdg** 0%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 224 Hacket Pk-Hampton Rdg

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

UNION CITY

Substation

Substation Location Madison Co./Union City Road/ Richmond

Circuit 224 Hacket Pk-Hampton Rdg

Circuit Location HACKET PIKE\HAMPTON RIDGE

Total Circuit Length (miles) 10.91

Average Member Count 543

Date of last Trim TRIM\HERBICIDE 2023

	Totals		5 Year Average	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	169.81	2.50	118.19	.88

Maintenance

490 Maintenance, Other 0%

Other

800 Other 0%

801 Supervisor Review 0%

Planned Outage

100 Construction 0%

110 Maintenance 0%

190 Other Planned 0%

Power Supply

000 Power Supply 0%

Public

700 Customer-Caused 0%

710 Motor Vehicle 0%

720 Aircraft 0%

730 Fire 0%

740 Public Cuts Tree 0%

750 Vandalism 0%

760 Switching error or caused by construe 0%

790 Public, Other 0%

Unknown

999 Cause Unknown 48.31%

Weather

4.54%

4.96%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

500 Lightning

Feeder: 224 Hackett Pk-Hampton Rdg

5.06%

6.03%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 224 Hackett Pk-Hampton Rdg
 1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

UNION CITY

Substation

Substation Location Madison Co./Union City Road/ Richmond
 Circuit 224 Hackett Pk-Hampton Rdg
 Circuit Location HACKETT PIKE\HAMPTON RIDGE
 Total Circuit Length (miles) 10.91
 Average Member Count 543
 Date of last Trim TRIM\HERBICIDE 2023

	Totals	5 Year Average
	SAIDI SAIFI	SAIDI SAIFI
Total Minutes/Frequency	169.81 2.50	118.19 .88

Weather

510 Wind, Not Trees	0%	0%	0%
520 Ice, Sleet, Frost, Not Trees	0%	0%	0%
530 Flood	0%	0%	0%
590 Weather, Other	0%	0%	0%

PSC REPORT

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

Substation BECKNERVILLE
 Substation Location Clark Co./Combs Ferry Road/ Winchester
 Circuit 244 Grimes Mill
 Circuit Location Grimes Mill Road
 Total Circuit Length (miles) 43.41
 Average Member Count 330
 Date of last Trim
 HERBICIDE 2020 TRIM 2023

	Totals	SAIDI	SAIFI	5 Year Average
		301.28	1.70	SAIDI SAIPI
	Total			200.62 1.01

Minutes/Frequency Animals

600 Small Animal/Bird	0%	0%	0%	0%
601 Squirrel	0%	0%	0.04%	0.12%
610 Large Animal	0%	0%	0%	0%
611 Cattle Rubbing	0%	0%	0%	0%
612 Animal/Large Bird	0%	0%	0%	0%
620 Animal damage-gnawing or boring.	0%	0%	0.03%	0.06%
690 Animal, Other	0%	0%		

Equipment or Installation/Design

300 Material or Equipment Fault/Failure	8.97%	6.60%	8.95%	12.86%
310 Installation Fault	0%	0%	0%	0%
320 Conductor Sag or Inadequate Clearance	0%	0%	0%	0%
340 Overload	0%	0%	0.04%	0.06%
350 Miscoordination of Protection Devices	0%	0%	0%	0%
360 Other Equipment Installation/Design	0%	0%	0%	0%

Maintenance

400 Decay/Age of Material/Equipment	0.15%	0.18%	2.10%	2.76%
410 Corrosion/Abrasion of Material/Equipm	0%	0%	0.04%	0.06%
420 Tree Growth	0.88%	1.60%	10.46%	9.37%
430 Tree failure from overhang or deadtr	81.15%	85.74%	48.33%	38.21%
440 Trees With Ice/Snow	0%	0%	0.23%	0.49%
450 Contamination (leakage/external)	0%	0%	0%	0%
460 Moisture	0%	0%	0%	0%

470 Borrower crew cuts tree

0%

0%

0%

0%

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 244 Grimes Mill

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

BECKNERVILLE

Substation

Substation Location CLARK CO./COMBS FERRY ROAD/WINCHESTER

Circuit 244 Grimes Mill

Circuit Location GRIMES MILL ROAD

Total Circuit Length (miles) 43.41

Average Member Count 330

Date of last Trim HERBICIDE 2020\TRIM 2023

5 Year Average				
SAIDI	SAIFI	SAIFI	SAIFI	SAIFI
200.62	1.01	1.01	1.01	1.01

Totals				
SAIDI	SAIFI	SAIFI	SAIFI	SAIFI
301.28	1.70	1.70	1.70	1.70

Total Minutes/Frequency

Maintenance				
490 Maintenance, Other	0%	0%	0%	0%
Other				
800 Other	0%	0%	0%	0%
801 Supervisor Review	0%	0%	0%	0%
Planned Outage				
100 Construction	0%	0%	0%	0%
110 Maintenance	0%	0%	0%	0%
190 Other Planned	0%	0%	0%	0%
Power Supply				
000 Power Supply	0%	0%	0%	0%
Public				
700 Customer-Caused	0%	0%	0%	0%
710 Motor Vehicle	0.31%	0.36%	0.36%	0.36%
720 Aircraft	0%	0%	0%	0%
730 Fire	0%	0%	0%	0%
740 Public Cuts Tree	0%	0%	0%	0%
750 Vandalism	0%	0%	0%	0%
760 Switching error or caused by construe	0%	0%	0%	0%
790 Public, Other	0%	0%	0%	0%
Unknown				
999 Cause Unknown	0%	0%	0%	0%
Weather				
500 Lightning	6.11%	5.17%	5.17%	5.17%
	4.41%	7.29%	7.29%	7.29%
	4.25%	3.43%	3.43%	3.43%

PSC Report

Excluding Major Event Day outages, Planned outages, Customer Responsible outages and Momentary outages

Feeder: 244 Grimes Mill

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

BECKNERVILLE

Substation

Substation Location CLARK CO.\COMBS FERRY RD/WINCHESTER
 Circuit 244 Grimes Mill
 Circuit Location GRIMES MILL ROAD
 Total Circuit Length (miles) 43.41
 Average Member Count 330

Date of last Trim HERBICIDE 2020\TRIM 2023

	Totals		5 Year Average	
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	301.28	1.70	200.62	1.01

Weather

510 Wind, Not Trees	2.42%	0.36%	0.02%	0.18%
520 Ice, Sleet, Frost, Not Trees	0%	0%	0.73%	1.47%
530 Flood	0%	0%	0%	0%
590 Weather, Other	0%	0%	14.40%	19.41%

PSC Report

Excluding Major Event Day outages, Planned outages, Customer Responsible outages and Momentary outages

Feeder: 214 Water Works

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

BECKNERVILLE

Substation _____
 Substation Location Clark Co./Combs Ferry Road/Winchester _____
 Circuit 214 Water Works
 Circuit Location Water Works/Elkin Station _____
 Total Circuit Length (miles) 23.90 _____
 Average Member Count 25 _____
 Date of last Trim Herbicide 2020\TRIM 2023 _____

	SAIDI	SAIFI	5 Year Average SAIDI	5 Year Average SAIFI
Total Minutes/Frequency	94.76	.28	44.08	.40

Animals

600 Small Animal/Bird	0%	0%	23.19%	24%
601 Squirrel	0%	0%	0%	0%
610 Large Animal	0%	0%	0%	0%
611 Cattle Rubbing	0%	0%	0%	0%
612 Animal/Large Bird	0%	0%	0%	0%
620 Animal damage-gnawing or boring	0%	0%	0%	0%
690 Animal, Other	0%	0%	0%	0%

Equipment or Installation/Design

300 Material or Equipment Fault/Failure	0%	0%	2.50%	2%
310 Installation Fault	0%	0%	0%	0%
320 Conductor Sag or Inadequate Clearance	0%	0%	0%	0%
340 Overload	0%	0%	0%	0%
350 Miscoordination of Protection Devices	0%	0%	0%	0%
360 Other Equipment Installation/Design	0%	0%	0%	0%

Maintenance

400 Decay/Age of Material/Equipment	0%	0%	0%	0%
410 Corrosion/Abrasion of Material/Equipm	0%	0%	38.22%	54%
420 Tree Growth	0%	0%	1.22%	2%
430 Tree failure from overhang or dead tr	12.49%	57.14%	0%	0%
440 Trees With Ice/Snow	0%	0%	0%	0%
450 Contamination (leakage/external)	0%	0%	0%	0%
460 Moisture	0%	0%	0%	0%

PSC Report

470 Borrower crew cuts tree

0%

0%

0%

0%

PSC Report

Excluding Major Event Day outages, Planned outages, Customer Responsible outages and Momentary outages

Feeder: 214 Water Works

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM

BECKNERVILLE

Substation Location CLARK CO.\COMBS FERRY ROAD/WINCHESTER
 Circuit 214 Water Works
 Circuit Location WATER WORKS/ELKIN STATION
 Total Circuit Length (miles) 25.90
 Average Member Count 25
 Date of last Trim HERBICIDE 2020\TRIM 2023

	Totals			
	SAIDI	SAIFI	SAIDI	SAIFI
Total Minutes/Frequency	94.76	.28		
Weather				
510 Wind, Not Trees	0%	0%	0%	0%
520 Ice, Sleet, Frost, Not Trees	0%	0%	3.67%	4%
530 Flood	0%	0%	0%	0%
590 Weather, Other	0%	0%	0%	0%
			44.08	.40
			5 Year Average	

PSC Report

Excluding Major Event Day Outages, Planned Outages, Customer Responsible Outages and Momentary Outages

Feeder: 134 Log Lick Rd

1/1/2023 12:00:00 AM to 12/31/2023 11:59:59 PM