

# KENTUCKY PUBLIC SERVICE COMMISSION

## Electric Distribution Utility Annual Reliability Report

### SECTION 1: CONTACT INFORMATION

UTILITY NAME	Meade County RECC
REPORT PREPARED BY	Michael French
E-MAIL ADDRESS OF PREPARER	<a href="mailto:mfrench@mccecc.com">mfrench@mccecc.com</a>
PHONE NUMBER OF PREPARER	(270) 422-2162

### SECTION 2: REPORTING YEAR

CALENDAR YEAR OF REPORT	2024
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### SECTION 3: MAJOR EVENT DAYS (MED)

TMED	5.9975
FIRST DATE USED TO DETERMINE TMED	1/1/2019
LAST DATE USED TO DETERMINE TMED	12/31/2023
NUMBER OF MED IN REPORT YEAR	8

NOTE: Per IEEE 1366 TMED 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	31606	TOTAL CIRCUITS	86
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#### Excluding MED

5 YEAR AVERAGE	REPORTING YEAR
SAIDI 80.51	SAIDI 108.558501550339
SAIFI 0.83	SAIFI 1.28

#### Including MED

5 YEAR AVERAGE	REPORTING YEAR
SAIDI 229.9	SAIDI 371.367461874328
SAIFI 1.17	SAIFI 1.91

#### 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 TMED

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1

1. SUBSTATION NAME AND NUMBER HARDINSBURG1
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)  
Behind MCRECC's Hardinsburg Office
3. CIRCUIT NAME AND NUMBER  
Feeder 7
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)  
Center of town West from office
5. TOTAL CIRCUIT LENGTH (MILES)  
2.42
6. CUSTOMER COUNT FOR THIS CIRCUIT  
145
7. DATE OF LAST CIRCUIT TRIM (VM)  
2020

8.	Cause	Count	Percentage	Customer-Hours	Customer-Count	SAIDI	SAIFI
	Pre-Arranged	3	100	29	72	12.08	0.5

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 26.35
10. REPORTING YEAR (SAIDI) 12
11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.27
12. REPORTING YEAR (SAIFI) 0.5
13. CORRECTIVE ACTION PLAN

Two pre-arranged outages on 8/16/24 and one on 10/3/24

No action is deemed necessary.

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #2

1. SUBSTATION NAME AND NUMBER IRVINGTON

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

North side of Irvington, take Kentucky St west off Hwy 79 approximately 0.5 miles to sub

3. CIRCUIT NAME AND NUMBER

Feeder 5

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

South of Irvington along US 60

5. TOTAL CIRCUIT LENGTH (MILES)

48.08

6. CUSTOMER COUNT FOR THIS CIRCUIT

408

7. DATE OF LAST CIRCUIT TRIM (VM)

2021

8.	Cause	Count	Percentage	Customer-Hours	Customer-Count	SAIDI	SAIFI
	Public, other	1	4.17	236	73	35.05	0.18
	Pre-Arranged	5	20.83	84	100	12.44	0.25
	Cause unknown	5	20.83	59	42	8.74	0.1
	Small animal/bird	4	16.67	59	33	8.72	0.08
	Tree out of R/W	1	4.17	2	2	0.29	0

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 9.16

10. REPORTING YEAR (SAIDI) 65.29

11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.18

12. REPORTING YEAR (SAIFI) 0.63

13. CORRECTIVE ACTION PLAN

On 7/5/24, a car struck a pole after a downline recloser causing 73 members to be out for approximately 3 hours while crews changed the pole.

No action is deemed necessary.

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #3

1. SUBSTATION NAME AND NUMBER

MCDANIELS

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

From Harned take Hwy 259 South approximately 10.6 miles to sub

3. CIRCUIT NAME AND NUMBER

Feeder 4

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

SE from Sub along Hwy 259 and South on Hwy 737

5. TOTAL CIRCUIT LENGTH (MILES)

41.88

6. CUSTOMER COUNT FOR THIS CIRCUIT

764

7. DATE OF LAST CIRCUIT TRIM (VM)

2022

8.	Cause	Count	Percentage	Customer-Hours	Customer-Count	SAIDI	SAIFI
	Public, other	4	7.27	1760	589	139.13	0.78
	Cause unknown	3	5.45	1140	1103	90	1.45
	Tree out of R/W	3	5.45	298	87	23.53	0.11
	Pre-Arranged	22	40	132	103	10.41	0.14
	Maintenance	1	1.82	79	207	6.2	0.27

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

122.64

10. REPORTING YEAR (SAIDI)

279.5

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.13

12. REPORTING YEAR (SAIFI)

2.92

13. CORRECTIVE ACTION PLAN

On 7/25/24, a car struck a pole after a downline recloser causing 344 members to be out for approximately 4.5 hours while crews changed the pole.

On 1/14/24, a high side fuse blew creating a 1 hour outage. No cause was found after a thorough investigation.

No action is deemed necessary.

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #4

1. SUBSTATION NAME AND NUMBER CLOVERPORT

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)  
Hwy 60 to Cloverport, turn on U.S. 60 Business into Cloverport then turn on L.M. Basham Road.

3. CIRCUIT NAME AND NUMBER  
Feeder 4

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)  
West side of town

5. TOTAL CIRCUIT LENGTH (MILES)  
6.19

6. CUSTOMER COUNT FOR THIS CIRCUIT  
268

7. DATE OF LAST CIRCUIT TRIM (VM)  
2023

8.	Cause	Count	Percentage	Customer-Hours	Customer-Count	SAIDI	SAIFI
	Tree out of R/W	1	5.26	200	261	45.8	1
	Pre-Arranged	10	52.63	58	23	12.99	0.09
	Cause unknown	3	15.79	10	13	2.25	0.05
	Small animal/bird	1	5.26	7	6	1.57	0.02
	Maintenance	1	5.26	5	3	1.12	0.01

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 32.61

10. REPORTING YEAR (SAIDI) 64.03

11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.53

12. REPORTING YEAR (SAIFI) 1.16

13. CORRECTIVE ACTION PLAN

On 3/1/24, a tree out of ROW fell onto a line outaging the entire feeder. 261 members were out for approximately 45 minutes.

The substation ROW was trimmed in 2023 and was sprayed in 2024. Relatively high reliably feeder. No further action is deemed necessary.

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #5

1. SUBSTATION NAME AND NUMBER MCDANIELS

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)  
From Harned take Hwy 259 South approximately 10.6 miles to sub

3. CIRCUIT NAME AND NUMBER  
Feeder 3

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)  
SE from Sub along Hwy 259 and NW on McCoy-Roff Rd.

5. TOTAL CIRCUIT LENGTH (MILES)  
28.9

6. CUSTOMER COUNT FOR THIS CIRCUIT  
384

7. DATE OF LAST CIRCUIT TRIM (VM)  
2022

8.	Cause	Count	Percentage	Customer-Hours	Customer-Count	SAIDI	SAIFI
	Pre-Arranged	36	64.29	646	634	100.94	1.65
	Cause unknown	3	5.36	496	471	77.5	1.23
	Tree in R/W	1	1.79	225	91	35.81	0.24
	Tree out of R/W	4	7.14	166	156	26.01	0.41
	Small animal/bird	2	3.57	75	61	11.72	0.16

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 238.36

10. REPORTING YEAR (SAIDI) 259.22

11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.86

12. REPORTING YEAR (SAIFI) 3.78

13. CORRECTIVE ACTION PLAN

36 small pre-arranged outages for construction and maintenance.

On 1/14/24, a high side fuse blew creating a 1 hour outage. No cause was found after a thorough investigation.

No action is deemed necessary.

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #6

1. SUBSTATION NAME AND NUMBER IRVINGTON

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

North side of Irvington, take Kentucky St west off Hwy 79 approximately 0.5 miles to sub

3. CIRCUIT NAME AND NUMBER

Feeder 3

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

West side of town, South on Hwy 2202, East and West on Hwy 333

5. TOTAL CIRCUIT LENGTH (MILES)

28.99

6. CUSTOMER COUNT FOR THIS CIRCUIT

630

7. DATE OF LAST CIRCUIT TRIM (VM)

2021

8.	Cause	Count	Percentage	Customer-Hours	Customer-Count	SAIDI	SAIFI
	Motor vehicle	2	16.67	2405	1250	230.88	2
	Small animal/bird	4	33.33	83	131	7.97	0.21
	Storm	1	8.33	45	56	4.35	0.09
	Pre-Arranged	1	8.33	1	1	0.1	0

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 21.09

10. REPORTING YEAR (SAIDI) 241.33

11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.37

12. REPORTING YEAR (SAIFI) 2.28

13. CORRECTIVE ACTION PLAN

On 11/5/24, a car struck a guy wire on a pole wrapping it around the primary wire outaging the entire feeder causing 625 members to be out for approximately 2 hours while crews changed the pole.

No action is deemed necessary.

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #7

1. SUBSTATION NAME AND NUMBER HARDINSBURG1  
Behind MCRECC's Hardinsburg Office

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

3. CIRCUIT NAME AND NUMBER  
Feeder 3

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)  
East Side of town

5. TOTAL CIRCUIT LENGTH (MILES)  
2.44

6. CUSTOMER COUNT FOR THIS CIRCUIT  
169

7. DATE OF LAST CIRCUIT TRIM (VM)  
2020

8.	Cause	Count	Percentage	Customer-Hours	Customer-Count	SAIDI	SAIFI
	Small animal/bird	2	33.33	369	138	131.01	0.82
	Pre-Arranged	4	66.67	37	12	13.21	0.07

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 14.58

10. REPORTING YEAR (SAIDI) 144.14

11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.2

12. REPORTING YEAR (SAIFI) 0.89

13. CORRECTIVE ACTION PLAN

On 6/28/24 a small animal or bird blew a downline fuse outaging 69 members approximately 5 hours while crews searched for the animal.

No action is deemed necessary.



# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #8

1. SUBSTATION NAME AND NUMBER BATTLETOWN

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

Approximately 1.5 miles North of Battletown

3. CIRCUIT NAME AND NUMBER

Feeder 3

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

North of Sub along Battletown Rd, Big Bend Rd, and West along Cedar Flat Rd.

5. TOTAL CIRCUIT LENGTH (MILES)

36.97

6. CUSTOMER COUNT FOR THIS CIRCUIT

151

7. DATE OF LAST CIRCUIT TRIM (VM)

2020

8.	Cause	Count	Percentage	Customer-Hours	Customer-Count	SAIDI	SAIFI
	Storm	3	13.04	366	152	144.47	1
	Tree out of R/W	4	17.39	289	157	114.83	1.04
	Weather, other	2	8.7	125	39	49.67	0.26
	Major Storms	2	8.7	13	19	5.17	0.13
	Pre-Arranged	3	13.04	13	45	5.17	0.3

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 133.63

10. REPORTING YEAR (SAIDI) 322.65

11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.13

12. REPORTING YEAR (SAIFI) 2.77

13. CORRECTIVE ACTION PLAN

Several storms have affected this feeder throughout the year. All have been downline devices except for one outage on 4/19/24 that outaged the entire feeder for 1 hour.

On 1/19/24, 11/5/24, and 12/29/24 trees fell out of the ROW affecting the same downline recloser causing 52 members to be outaged approximately 5.5 hours in total. In all three cases wind was blowing strong.

ROW will be cut in this area in 2025 and danger trees will be looked at.

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #9

1. SUBSTATION NAME AND NUMBER MCDANIELS

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)  
From Harned take Hwy 259 South approximately 10.6 miles to sub

3. CIRCUIT NAME AND NUMBER  
Feeder 2

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)  
North along Hwy 259 and East along Hwy 690

5. TOTAL CIRCUIT LENGTH (MILES)  
56.44

6. CUSTOMER COUNT FOR THIS CIRCUIT  
919

7. DATE OF LAST CIRCUIT TRIM (VM)  
2022

8.	Cause	Count	Percentage	Customer-Hours	Customer-Count	SAIDI	SAIFI
	Cause unknown	5	9.43	855	965	56.25	1.06
	Tree out of R/W	5	9.43	493	324	32.33	0.35
	Pre-Arranged	22	41.51	364	211	23.76	0.23
	Storm	4	7.55	302	191	19.7	0.21
	Small animal/bird	8	15.09	193	178	12.6	0.19

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 59.21

10. REPORTING YEAR (SAIDI) 150.42

11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.56

12. REPORTING YEAR (SAIFI) 2.11

13. CORRECTIVE ACTION PLAN

On 1/14/24, a high side fuse blew creating a 1 hour outage. No cause was found after a thorough investigation.

No action is deemed necessary.

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #10

1. SUBSTATION NAME AND NUMBER HARDINSBURG1

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)  
Behind MCRECC's Hardinsburg Office

3. CIRCUIT NAME AND NUMBER  
Feeder 2

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)  
NW along Hwy 259

5. TOTAL CIRCUIT LENGTH (MILES)  
30.27

6. CUSTOMER COUNT FOR THIS CIRCUIT  
307

7. DATE OF LAST CIRCUIT TRIM (VM)  
2020

8.	Cause	Count	Percentage	Customer-Hours	Customer-Count	SAIDI	SAIFI
	Storm	6	37.5	2208	1130	430.13	3.67
	Motor vehicle	2	12.5	644	534	125.45	1.73
	Cause unknown	3	18.75	40	43	7.79	0.14
	Pre-Arranged	2	12.5	7	10	1.36	0.03
	Tree out of R/W	1	6.25	7	2	1.37	0.01

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 37.15

10. REPORTING YEAR (SAIDI) 568.73

11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.62

12. REPORTING YEAR (SAIFI) 5.61

13. CORRECTIVE ACTION PLAN

Several storms have affected this feeder throughout the year. All have been downline devices except for one outage on 8/1/24 that outaged the entire feeder for 1 hour.

On 9/30/24, a car struck a pole after a downline recloser causing 267 members to be out for approximately 2 hours while crews changed the pole.

No action is deemed necessary.

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #11

1. SUBSTATION NAME AND NUMBER CLOVERPORT

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

Hwy 60 to Cloverport, turn on U.S. 60 Business into Cloverport then turn on L.M. Basham Road.

3. CIRCUIT NAME AND NUMBER

Feeder 2

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

East along Hwy 60 and North along Hwy 144

5. TOTAL CIRCUIT LENGTH (MILES)

26.47

6. CUSTOMER COUNT FOR THIS CIRCUIT

193

7. DATE OF LAST CIRCUIT TRIM (VM)

2023

8.	Cause	Count	Percentage	Customer-Hours	Customer-Count	SAIDI	SAIFI
	Weather, other	2	13.33	857	258	265.05	1.33
	Tree out of R/W	1	6.67	29	7	9.21	0.04
	Storm	2	13.33	18	10	5.6	0.05
	Pre-Arranged	3	20	13	6	4.04	0.03
	Cause unknown	1	6.67	6	4	1.87	0.02

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 58.23

10. REPORTING YEAR (SAIDI) 287.56

11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.89

12. REPORTING YEAR (SAIFI) 1.49

13. CORRECTIVE ACTION PLAN

On 12/5/24, a tree out of ROW fell onto a line due to wind outaging 129 members for approximately 3 hours.

No action is deemed necessary.

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #12

1. SUBSTATION NAME AND NUMBER BATTLETOWN

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

Approximately 1.5 miles North of Battletown

3. CIRCUIT NAME AND NUMBER

Feeder 2

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

SE along Battletown Rd.

5. TOTAL CIRCUIT LENGTH (MILES)

42.78

6. CUSTOMER COUNT FOR THIS CIRCUIT

358

7. DATE OF LAST CIRCUIT TRIM (VM)

2020

8.	Cause	Count	Percentage	Customer-Hours	Customer-Count	SAIDI	SAIFI
	Public, other	4	18.18	841	743	140.95	2.08
	Storm	2	9.09	337	183	57.77	0.52
	Construction	2	9.09	49	7	8.21	0.02
	Tree out of R/W	1	4.55	21	4	3.54	0.01
	Cause unknown	2	9.09	19	17	3.18	0.05

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 49.76

10. REPORTING YEAR (SAIDI) 216.54

11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.56

12. REPORTING YEAR (SAIFI) 2.72

13. CORRECTIVE ACTION PLAN

On 9/10/24, an excavator working on the road got into the line outaging the entire feeder causing 358 members to be outaged for approximately 1.5 hours as crews worked to fix the wire. No one was injured and a full investigation was performed.

Several storms have affected this feeder throughout the year. All have been downline devices except for one outage on 4/19/24 that outaged the entire feeder for approximately 2 hours.

No action is deemed necessary.

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #13

1. SUBSTATION NAME AND NUMBER IRVINGTON

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

North side of Irvington, take Kentucky St west off Hwy 79 approximately 0.5 miles to sub

3. CIRCUIT NAME AND NUMBER

Feeder 1

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

North along Hwy 79 and East along Guston Rd.

5. TOTAL CIRCUIT LENGTH (MILES)

20.44

6. CUSTOMER COUNT FOR THIS CIRCUIT

249

7. DATE OF LAST CIRCUIT TRIM (VM)

2021

8.	Cause	Count	Percentage	Customer-Hours	Customer-Count	SAIDI	SAIFI
	Storm	1	7.14	58	57	14.15	0.23
	Small animal/bird	3	21.43	45	43	10.89	0.17
	Pre-Arranged	3	21.43	35	26	8.5	0.11
	Cause unknown	3	21.43	32	42	7.77	0.17

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 16.46

10. REPORTING YEAR (SAIDI) 40.96

11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.43

12. REPORTING YEAR (SAIFI) 0.67

13. CORRECTIVE ACTION PLAN

Relatively high reliably feeder and substation; therefore no action is deemed necessary.

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #14

1. SUBSTATION NAME AND NUMBER FORTAVENUE

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)  
Approximately 2 miles north of the intersection of Hwy 313 and Ky-1882 (Fort Ave)

3. CIRCUIT NAME AND NUMBER  
Feeder 1

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)  
N Hwy 1882, W Hwy 1816, N Hwy 2726

5. TOTAL CIRCUIT LENGTH (MILES)  
4.94

6. CUSTOMER COUNT FOR THIS CIRCUIT  
57

7. DATE OF LAST CIRCUIT TRIM (VM)  
2020

8.	Cause	Count	Percentage	Customer-Hours	Customer-Count	SAIDI	SAIFI
	Pre-Arranged	3	30	17	8	18.21	0.14
	Cause unknown	3	30	5	6	5.17	0.1
	Storm	1	10	1	2	1.07	0.04

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 12.05

10. REPORTING YEAR (SAIDI) 24.21

11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.04

12. REPORTING YEAR (SAIFI) 0.28

13. CORRECTIVE ACTION PLAN

Relatively high reliably feeder and substation; therefore no action is deemed necessary.

# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #15

1. SUBSTATION NAME AND NUMBER ANDYVILLE

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)  
Approximately 500 ft. N of the intersection of Hwy 144 and Hwy 228

3. CIRCUIT NAME AND NUMBER  
Feeder 1

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)  
North along Wolf Creek Rd.

5. TOTAL CIRCUIT LENGTH (MILES)  
43.96

6. CUSTOMER COUNT FOR THIS CIRCUIT  
289

7. DATE OF LAST CIRCUIT TRIM (VM)  
2024

8.	Cause	Count	Percentage	Customer-Hours	Customer-Count	SAIDI	SAIFI
	Cause unknown	4	16.67	545	319	114.74	1.12
	Tree out of R/W	6	25	216	98	44.69	0.34
	Storm	6	25	207	87	43.43	0.3
	Conductor sag or i	1	4.17	90	30	19.01	0.11
	Public, other	4	16.67	32	23	6.64	0.08

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 53.53

10. REPORTING YEAR (SAIDI) 227.13

11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.6

12. REPORTING YEAR (SAIFI) 1.94

13. CORRECTIVE ACTION PLAN

On 1/8/24, an outage occurred affecting the entire feeder. 284 members were out for approximately 1 hour and 45 minutes while crews tried to determine the cause. Nothing was found.

Relatively high reliably feeder and substation; therefore no action is deemed necessary.



# KENTUCKY PUBLIC SERVICE COMMISSION

## SECTION 6: VEGETATION MANAGEMENT PLAN REVIEW

### INCLUDE CURRENT VEGETATION MANAGEMENT PLAN

Additional page may be attached as needed

Meade County RECC's vegetation management practices have continued to benefit our reliability figures and reduce outages." "For example, trees in ROW events only contributed 0.0153 to SAIFI and 12.7331 to SAIDI. Currently, there is no anticipated change to the existing ROW program. We continue to monitor risks associated with dead ash trees from the emerald ash borer, which are starting to be a concern related to power outages and other power disturbances. We are addressing this issue within our ROW program, in addition to removing danger trees identified by our crews.

## SECTION 7: UTILITY COMMENTS

Weather events continue to be one of the greatest causes for power disturbances at Meade County RECC, thus impacting our reliability figures. Excluding weather disturbances, Meade County RECC reliability numbers have remained strong. However, our power outage data reveals vehicle incidents are problematic to our electric distribution system as we encounter several damage poles due to vehicle incidents. The other contributor to our reliability metrics is pre-arranged power outages as we continue to invest into our distribution system. These events require deliberate deenergized conditions to safely repair or build distribution services within our system.