

# KENTUCKY PUBLIC SERVICE COMMISSION

## Electric Distribution Utility Annual Reliability Report

### SECTION 1: CONTACT INFORMATION

UTILITY NAME	FLEMING MASON ENERGY
REPORT PREPARED BY	BRANDON HUNT
E-MAIL ADDRESS OF PREPARER	<a href="mailto:bhunt@fme.coop">bhunt@fme.coop</a>
PHONE NUMBER OF PREPARER	606-845-2661

### SECTION 2: REPORTING YEAR

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

$T_{MED}$	13.71
FIRST DATE USED TO DETERMINE $T_{MED}$	1/1/2019
LAST DATE USED TO DETERMINE $T_{MED}$	12/31/2023
NUMBER OF MED IN REPORT YEAR	3

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	26,110	TOTAL CIRCUITS	47
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#### Excluding MED

	5 YEAR AVERAGE		REPORTING YEAR
SAIDI	187.22	SAIDI	174.7
SAIFI	1.35	SAIFI	1.27

#### Including MED

	5 YEAR AVERAGE		REPORTING YEAR
SAIDI	419.41	SAIDI	788.95
SAIFI	1.81	SAIFI	1.86

#### 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

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## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

### **CIRCUIT #1:**

1. SUBSTATION NAME AND NUMBER  
**Sharkey**
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)  
**KY 801, Rowan, Farmers**
3. CIRCUIT NAME AND NUMBER  
**801/Farmers. OCR 224**
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)  
**KY 801, Farmers**
5. TOTAL CIRCUIT LENGTH (MILES)  
**46.1**
6. CUSTOMER COUNT FOR THIS CIRCUIT  
**804**
- 7.. DATE OF LAST CIRCUIT TRIM (VM)  
**2024**
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

Equipment Failure	27.74	Tree w/ wind	9.74	Animal	0
Installation Fault	0	Tree w/ Ice	0	Cust Caused	0
Conductor Sag	0	In-house Tree	5.66	Motor Vehicle	0
Overload	0	Tree out of ROW	4.37	Public Cut Tree	0
Decay/Age Equip	0	Lightning	1.75	Public Other	0
Corrosion/Abrasion	0	Wind	0	Other	0
Tree Growth	0.714	Small Animal	3.98	Cause Unknown	3.49

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)  
**46.6**
10. REPORTING YEAR (SAIDI)  
**57.73**
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)  
**0.368**
12. REPORTING YEAR (SAIFI)  
**0.8337**
13. CORRECTIVE ACTION PLAN

**Equipment failure and trees with wind were the largest cause. Will investigate equipment failure and ROW was trimmed at the end of this reporting year.**

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

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## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

### **CIRCUIT #1:**

1. SUBSTATION NAME AND NUMBER  
**Plummers Landing**
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)  
**Fleming, Plummers Landing, KY 32**
3. CIRCUIT NAME AND NUMBER  
**Bluebank**
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)  
**Bluebank, KY 32**
5. TOTAL CIRCUIT LENGTH (MILES)  
**48**
6. CUSTOMER COUNT FOR THIS CIRCUIT  
**508**
- 7.. DATE OF LAST CIRCUIT TRIM (VM)  
**2019**
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

Equipment Failure	0.011	Tree w/ wind	8.13	Animal	0
Installation Fault	0	Tree w/ Ice	0	Cust Caused	0.02
Conductor Sag	0	In-house Tree	0	Motor Vehicle	0
Overload	0	Tree out of ROW	0	Public Cut Tree	0
Decay/Age Equip	53.49	Lightning	0.92	Fire	0
Corrosion/Abrasion	0	Wind	0	Other	0
Tree Growth	1.87	Small Animal	3.913	Cause Unknown	4.07

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)  
**37.17**
10. REPORTING YEAR (SAIDI)  
**72.44**
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)  
**0.048**
12. REPORTING YEAR (SAIFI)  
**0.407**
13. CORRECTIVE ACTION PLAN

**Decay/age of equipment was the largest cause. This was mainly around one large outage. Will monitor condition of equipment.**

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

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## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

### **CIRCUIT #1:**

1. SUBSTATION NAME AND NUMBER

**Snow Hill**

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

**Robertson County, KY 165**

3. CIRCUIT NAME AND NUMBER

**Bluelicks**

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

**Bluelicks, US 68**

5. TOTAL CIRCUIT LENGTH (MILES)

**104.4**

6. CUSTOMER COUNT FOR THIS CIRCUIT

**664**

7.. DATE OF LAST CIRCUIT TRIM (VM)

**2022**

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

Equipment Failure	3.97	Tree Failure	0	Animal	0
Installation Fault	0	Tree w/ wind	2.35	Ice	0
Conductor Sag	0	In-house Tree	0	Motor Vehicle	0
Overload	0	Tree out of ROW	1.34	Public Cut Tree	0
Decay/Age Equip	0.08	Lightning	7.3	Public Other	0
Corrosion/Abrasion	119.2	Wind	1.65	Other	9.12
Tree growth	0	Small Animal	18.6	Cause Unknown	4.49

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

**72.3**

10. REPORTING YEAR (SAIDI)

**168.6**

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

**0.694**

12. REPORTING YEAR (SAIFI)

**0.978**

13. CORRECTIVE ACTION PLAN

**Largest cause was corrosion/abrasion. Usually this is a bad jumper or connection equipment. Will monitor.**

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

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## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

### **CIRCUIT #1:**

1. SUBSTATION NAME AND NUMBER  
**Hilda**
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)  
**Rowan County, Ky 32**
3. CIRCUIT NAME AND NUMBER  
**Bluestone**
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)  
**Morehead, KY 32**
5. TOTAL CIRCUIT LENGTH (MILES)  
**11.5**
6. CUSTOMER COUNT FOR THIS CIRCUIT  
**255**
- 7.. DATE OF LAST CIRCUIT TRIM (VM)  
**2019**
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

Equipment Failure	0	Tree Failure	0	Animal	0
Installation Fault	0	Tree w/ Ice	0	Cust Caused	0
Conductor Sag	0	In-house Tree	0	Motor Vehicle	0
Overload	0	Tree out of ROW	8.74	Public Cut Tree	0
Decay/Age Equip	0	Lightning	0	Public Other	0
Corrosion/Abrasion	0	Wind	37.72	Other	0
Tree W/ wind	1.32	Small Animal	0.67	Cause Unknown	1.47

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)  
**10.36**
10. REPORTING YEAR (SAIDI)  
**49.92**
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)  
**0.08**
12. REPORTING YEAR (SAIFI)  
**0.55**
13. CORRECTIVE ACTION PLAN

**Wind was the major event.**

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

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## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

### **CIRCUIT #1:**

1. SUBSTATION NAME AND NUMBER  
**Oak Ridge**
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)  
**Lewis County, Oak Ridge Rd**
3. CIRCUIT NAME AND NUMBER  
**Burtonville**
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)  
**Burtonville, Mudlick**
5. TOTAL CIRCUIT LENGTH (MILES)  
**56.9**
6. CUSTOMER COUNT FOR THIS CIRCUIT  
**336**
- 7.. DATE OF LAST CIRCUIT TRIM (VM)  
**2018**
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

Equipment Failure	0.25	Tree Failure	0	Animal	0
Installation Fault	0	Tree w/ Wind	26.54	Cust Caused	0
Conductor Sag	0	In-house Tree	0	Motor Vehicle	0
Overload	0	Tree out of ROW	0	Public Cut Tree	0
Decay/Age Equip	0	Lightning	0	Public Other	0
Corrosion/Abrasion	0	Wind	7.67	Other	0
Tree Growth	0	Small Animal	0.31	Cause Unknown	1.63

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)  
**36.6**
10. REPORTING YEAR (SAIDI)  
**37.03**
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)  
**0.22**
12. REPORTING YEAR (SAIFI)  
**0.433**
13. CORRECTIVE ACTION PLAN

**Trees with wind was largest cause. Will monitor ROW. Due to be cut in 2025**

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

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

### **CIRCUIT #1:**

1. SUBSTATION NAME AND NUMBER

**Snow Hill**

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

**Robertson County, Piqua, KY 165**

3. CIRCUIT NAME AND NUMBER

**Fairview**

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

**Fairview, KY 165**

5. TOTAL CIRCUIT LENGTH (MILES)

**45.2**

6. CUSTOMER COUNT FOR THIS CIRCUIT

**449**

7.. DATE OF LAST CIRCUIT TRIM (VM)

**2022**

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

Equipment Failure	0.17	Tree W/ Wind	0.15	Animal	0
Installation Fault	0	Tree Failure	0	Cust Caused	0
Conductor Sag	0	Dead Ash Tree	0	Motor Vehicle	0.21
Overload	0	Tree out of ROW	0.045	Public Cut Tree	0
Decay/Age Equip	0.72	Lightning	1.4	Public Other	0
Corrosion/Abrasion	0	Wind	29.77	Other	0
Tree Growth	0.95	Small Animal	0.9	Cause Unknown	0.788

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

**17.8**

10. REPORTING YEAR (SAIDI)

**34.5**

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

**0.29**

12. REPORTING YEAR (SAIFI)

**0.33**

13. CORRECTIVE ACTION PLAN

**Wind was the largest cause.**

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

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

### **CIRCUIT #1:**

1. SUBSTATION NAME AND NUMBER  
**Sharkey**
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)  
**Rowan County, Ky 801, Sharkey**
3. CIRCUIT NAME AND NUMBER  
**Family Dollar**
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)  
**Sharkey, MMRC Park**
5. TOTAL CIRCUIT LENGTH (MILES)  
**1.2**
6. CUSTOMER COUNT FOR THIS CIRCUIT  
**9**
- 7.. DATE OF LAST CIRCUIT TRIM (VM)  
**NA**
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

Equipment Failure	0	Tree W/ Wind	0	Animal	0
Installation Fault	0	Tree w/ Ice	0	Cust Caused	0
Conductor Sag	0	Tree Failure	0	Motor Vehicle	0
Overload	0	Tree out of ROW	0	Public Cut Tree	0
Decay/Age Equip	0	Lightning	0	Public Other	0
Corrosion/Abrasion	0	Wind	0	Other	0
Tree Growth	0	Small Animal	0	Cause Unknown	0.447

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)  
**0.17**
10. REPORTING YEAR (SAIDI)  
**0.44**
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)  
**0.002**
12. REPORTING YEAR (SAIFI)  
**0.003**
13. CORRECTIVE ACTION PLAN

**UG circuit with one outage.**

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



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## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

### **CIRCUIT #1:**

1. SUBSTATION NAME AND NUMBER

**Peasticks**

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

**Bath County, Peasticks Rd**

3. CIRCUIT NAME AND NUMBER

**Fordge Mill**

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

**Peasticks, Fordge Mill Rd**

5. TOTAL CIRCUIT LENGTH (MILES)

**40.8**

6. CUSTOMER COUNT FOR THIS CIRCUIT

**406**

7.. DATE OF LAST CIRCUIT TRIM (VM)

**2020**

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

Equipment Failure	0.07	Tree w/ wind	22.8	Animal	0
Installation Fault	0	Tree w/ Ice	0	Cust Caused	0
Conductor Sag	0	Tree Failure	0	Motor Vehicle	0
Overload	0	Tree out of ROW	0	Public Cut Tree	0
Decay/Age Equip	27.7	Lightning	7.2	Public Other	0.15
Corrosion/Abrasion	0	Wind	0	Other	0
Tree Growth	0	Small Animal	1.69	Cause Unknown	0.29

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

**145.52**

10. REPORTING YEAR (SAIDI)

**199.63**

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

**0.14**

12. REPORTING YEAR (SAIFI)

**0.45**

13. CORRECTIVE ACTION PLAN

**Decay/age of equipment and tree with wind were the largest contributing cause.  
Will monitor equipment age.**

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

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

### **CIRCUIT #1:**

1. SUBSTATION NAME AND NUMBER

**Peasticks**

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

**Bath County, Peasticks Rd**

3. CIRCUIT NAME AND NUMBER

**Hart Pike**

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

**Peasticks, Hart Pike**

5. TOTAL CIRCUIT LENGTH (MILES)

**27.1**

6. CUSTOMER COUNT FOR THIS CIRCUIT

**220**

7.. DATE OF LAST CIRCUIT TRIM (VM)

**2020**

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

<b>Equipment Failure</b>	<b>3.66</b>	<b>Tree Failure</b>	<b>0</b>	<b>Weather</b>	<b>0</b>
<b>Installation Fault</b>	<b>0</b>	<b>Tree w/ Wind</b>	<b>5.78</b>	<b>Cust Caused</b>	<b>0</b>
<b>Conductor Sag</b>	<b>0</b>	<b>Tree OOR</b>	<b>0</b>	<b>Motor Vehicle</b>	<b>0</b>
<b>Overload</b>	<b>0</b>	<b>Tree w/ wind</b>	<b>0</b>	<b>Public Cut Tree</b>	<b>0</b>
<b>Decay/Age Equip</b>	<b>0</b>	<b>Lightning</b>	<b>0.82</b>	<b>Public Other</b>	<b>0</b>
<b>Corrosion/Abrasion</b>	<b>0</b>	<b>Wind</b>	<b>0.042</b>	<b>Other</b>	<b>0</b>
<b>Tree Growth</b>	<b>0</b>	<b>Small Animal</b>	<b>0.058</b>	<b>Cause Unknown</b>	<b>1.7</b>

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

**4.97**

10. REPORTING YEAR (SAIDI)

**12.7**

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

**0.07**

12. REPORTING YEAR (SAIFI)

**0.09**

13. CORRECTIVE ACTION PLAN

**Tree with wind largest cause. Small outage numbers**

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

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

### **CIRCUIT #1:**

1. SUBSTATION NAME AND NUMBER

**Charter**

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

**Lewis County, Charter**

3. CIRCUIT NAME AND NUMBER

**Herron Hill**

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

**Charter, Herron Hill**

5. TOTAL CIRCUIT LENGTH (MILES)

**117**

6. CUSTOMER COUNT FOR THIS CIRCUIT

**928**

7.. DATE OF LAST CIRCUIT TRIM (VM)

**2018**

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

Equipment Failure	1.68	Tree Failure	17.24	Animal	0
Installation Fault	0	Tree growth	4.62	Cust Caused	0
Conductor Sag	0	Weather	0	Motor Vehicle	0
Overload	0	Tree out of ROW	2.12	Public Cut Tree	0
Decay/Age Equip	0	Lightning	3.82	Public Other	0
Corrosion/Abrasion	0	Wind	0	Other	0
Tree w/ Wind	1.94	Small Animal	2.7	Cause Unknown	2.8

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

**28.03**

10. REPORTING YEAR (SAIDI)

**37.39**

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

**0.28**

12. REPORTING YEAR (SAIFI)

**0.25**

13. CORRECTIVE ACTION PLAN

**Tree Failure was largest cause. Usually storm related but will montior.**

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

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

### **CIRCUIT #1:**

1. SUBSTATION NAME AND NUMBER

**Big Woods**

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

**Rowan County, KY 32, Big Woods**

3. CIRCUIT NAME AND NUMBER

**Hickory Pointe**

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

**KY 32, Morehead**

5. TOTAL CIRCUIT LENGTH (MILES)

**41.7**

6. CUSTOMER COUNT FOR THIS CIRCUIT

**916**

7.. DATE OF LAST CIRCUIT TRIM (VM)

**2024**

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

Equipment Failure	2.95	Tree Growth	8.07	Animal	0
Installation Fault	0	Tree Failure	0.34	Cust Caused	5.36
Conductor Sag	0	In-house Tree	13.87	Motor Vehicle	0
Overload	0	Tree out of ROW	6.42	Public Cut Tree	0
Decay/Age Equip	0.144	Lightning	6.72	Public Other	0
Corrosion/Abrasion	0	Wind	0	Other	0
Tree w/ wind	25.43	Small Animal	0.51	Cause Unknown	1.28

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

**47.1**

10. REPORTING YEAR (SAIDI)

**71.8**

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

**0.49**

12. REPORTING YEAR (SAIFI)

**0.46**

13. CORRECTIVE ACTION PLAN

**Trees with wind was largest cause. Will monitor ROW.**

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

# 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  
**Plummers Landing**
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)  
**Fleming County, KY 32, Plummers Landing**
3. CIRCUIT NAME AND NUMBER  
**Hillsboro**
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)  
**Muses Mill, KY 1013, KY 32**
5. TOTAL CIRCUIT LENGTH (MILES)  
**39.5**
6. CUSTOMER COUNT FOR THIS CIRCUIT  
**320**
- 7.. DATE OF LAST CIRCUIT TRIM (VM)  
**2019**
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

Equipment Failure	0.07	Tree Failure	15.3	Animal	0
Installation Fault	0	Tree w/ Ice	0.09	Cust Caused	0
Conductor Sag	0	In-house Tree	0	Motor Vehicle	0.08
Overload	0	Tree out of ROW	7.2	Public Cut Tree	0.86
Decay/Age Equip	0.12	Lightning	0	Public Other	0
Tree Growth	0.21	Wind	9.06	Other	0
Tree w/ wind	78.8	Small Animal	0.32	Cause Unknown	1.11

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)  
**11.2**
10. REPORTING YEAR (SAIDI)  
**113.4**
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)  
**0.09**
12. REPORTING YEAR (SAIFI)  
**0.69**
13. CORRECTIVE ACTION PLAN

**Trees with wind. Likely during storms but will monitor ROW.**

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

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## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

### **CIRCUIT #1:**

1. SUBSTATION NAME AND NUMBER

**Charter**

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

**Lewis County, Charter**

3. CIRCUIT NAME AND NUMBER

**Holly**

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

**Holly, KY 559**

5. TOTAL CIRCUIT LENGTH (MILES)

**148.1**

6. CUSTOMER COUNT FOR THIS CIRCUIT

**832**

7.. DATE OF LAST CIRCUIT TRIM (VM)

**2023**

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

Equipment Failure	16.3	Tree Failure	25.9	Animal	0
Installation Fault	0	Tree w/ wind	68.2	Cust Caused	0.06
Conductor Sag	0	In-house Tree	0	Motor Vehicle	2.33
Overload	0	Tree out of ROW	79.3	Public Cut Tree	0.32
Decay/Age Equip	0	Lightning	0.67	Public Other	0
Corrosion/Abrasion	0	Wind	0.61	Other	0.4
Tree Growth	0	Small Animal	0.24	Cause Unknown	1.04

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

**169.4**

10. REPORTING YEAR (SAIDI)

**195.4**

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

**1.07**

12. REPORTING YEAR (SAIFI)

**0.8**

13. CORRECTIVE ACTION PLAN

**Tree related outage. Area is heavily forested. ROW was cut well in 2023. Will monitor.**

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

# 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

**Hilda**

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

**Rowan County, KY 32**

3. CIRCUIT NAME AND NUMBER

**Interchange**

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

**Morehead, KY 32**

5. TOTAL CIRCUIT LENGTH (MILES)

**20**

6. CUSTOMER COUNT FOR THIS CIRCUIT

**596**

7.. DATE OF LAST CIRCUIT TRIM (VM)

**2019**

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

Equipment Failure	0.72	Tree Failure	0.33	Animal	0
Installation Fault	0	Tree w/ wind	11.77	Cust Caused	0
Conductor Sag	0	In-house Tree	0	Motor Vehicle	0
Overload	0	Tree out of ROW	25.15	Public Cut Tree	0
Decay/Age Equip	0.17	Lightning	0	Public Other	1.97
Corrosion/Abrasion	0	Wind	62.34	Other	0
Tree Growth	0	Small Animal	3.5	Cause Unknown	28.39

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

**65**

10. REPORTING YEAR (SAIDI)

**141.5**

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

**0.9**

12. REPORTING YEAR (SAIFI)

**1.21**

13. CORRECTIVE ACTION PLAN

**Trees and wind was the largest cause. Wooded area.**

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

# 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

**Big Woods**

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

**Rowan County, KY 32**

3. CIRCUIT NAME AND NUMBER

**Maxey Flat**

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

**Morehead, KY 32, Maxey Flat Rd**

5. TOTAL CIRCUIT LENGTH (MILES)

**12.4**

6. CUSTOMER COUNT FOR THIS CIRCUIT

**207**

7.. DATE OF LAST CIRCUIT TRIM (VM)

**2024**

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

Equipment Failure	0	Tree Failure	0	Animal	0
Installation Fault	0	Tree w/ wind	0.16	Cust Caused	0
Conductor Sag	0	In-house Tree	0	Motor Vehicle	0
Overload	0	Tree out of ROW	0	Public Cut Tree	0
Decay/Age Equip	0	Lightning	0.58	Public Other	0
Corrosion/Abrasion	0	Wind	0.66	Other	0
Tree Growth	3.29	Small Animal	0	Cause Unknown	1.17

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

**1.8**

10. REPORTING YEAR (SAIDI)

**5.8**

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

**0.04**

12. REPORTING YEAR (SAIFI)

**0.09**

13. CORRECTIVE ACTION PLAN

**Tree Growth. Cut in 2024, will monitor.**

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



# 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

**Plummes Landing**

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

**Fleming County, KY 32**

3. CIRCUIT NAME AND NUMBER

**Muses Mill**

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

**Musses Mill, KY 1013**

5. TOTAL CIRCUIT LENGTH (MILES)

**70.7**

6. CUSTOMER COUNT FOR THIS CIRCUIT

**484**

7.. DATE OF LAST CIRCUIT TRIM (VM)

**2019**

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

Equipment Failure	18.3	Tree Failure	14.78	Animal	0
Installation Fault	0	Tree w/ wind	25.71	Cust Caused	0.42
Conductor Sag	0	In-house Tree	0	Motor Vehicle	0.11
Overload	0	Tree out of ROW	21.9	Public Cut Tree	0
Decay/Age Equip	0.18	Lightning	6.58	Public Other	0
Ice	0	Wind	0	Other	0
Tree Growth	0	Small Animal	0.024	Cause Unknown	0.39

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

**66**

10. REPORTING YEAR (SAIDI)

**90.2**

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

**1.37**

12. REPORTING YEAR (SAIFI)

**1.45**

13. CORRECTIVE ACTION PLAN

**Trees were the main cause. Coupled with wind in a heavily wooded area.**

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

#NAME?

# 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

**Peasticks**

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

**Bath County, Peasticks**

3. CIRCUIT NAME AND NUMBER

**Sharpsburg**

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

**KY 36, Sharpsburg**

5. TOTAL CIRCUIT LENGTH (MILES)

**149.3**

6. CUSTOMER COUNT FOR THIS CIRCUIT

**948**

7.. DATE OF LAST CIRCUIT TRIM (VM)

**2019**

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

Equipment Failure	1.01	Tree Failure	0	Animal	0
Installation Fault	0	Tree w/ wind	6.62	Cust Caused	0.38
Conductor Sag	0	In-house Tree	0	Motor Vehicle	0
Overload	0	Tree out of ROW	0	Public Cut Tree	0
Decay/Age Equip	0.07	Lightning	10.3	Public Other	0
Corrosion/Abrasion	0	Wind	11.42	Other	25.5
Tree Growth	0.09	Small Animal	1	Cause Unknown	4.28

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

**50.8**

10. REPORTING YEAR (SAIDI)

**63.2**

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

**0.32**

12. REPORTING YEAR (SAIFI)

**0.37**

13. CORRECTIVE ACTION PLAN

**A switching error was the largest cause. Procedures were revisited.**

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

# 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  
**Rectorville**
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)  
**Mason County, Owl Hollow**
3. CIRCUIT NAME AND NUMBER  
**Owl Hollow**
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)  
**Rectorville, Owl Hollow**
5. TOTAL CIRCUIT LENGTH (MILES)  
**53.6**
6. CUSTOMER COUNT FOR THIS CIRCUIT  
**305**
- 7.. DATE OF LAST CIRCUIT TRIM (VM)  
**2024**
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

Equipment Failure	0.401	Tree Failure	0	Animal	0
Installation Fault	0	Tree w/ wind	16.8	Cust Caused	0
Conductor Sag	0	In-house Tree	7.5	Motor Vehicle	0
Overload	0	Tree out of ROW	18.3	Public Cut Tree	0
Decay/Age Equip	0	Lightning	2.19	Public Other	0
Corrosion/Abrasion	0	Wind	0.27	Other	0
Tree Growth	31.1	Small Animal	0.11	Cause Unknown	0.14

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)  
**9.7**
10. REPORTING YEAR (SAIDI)  
**76.7**
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)  
**0.06**
12. REPORTING YEAR (SAIFI)  
**0.51**
13. CORRECTIVE ACTION PLAN

**Tree related outage were the main cause. Circuit was trimmed in 2024**

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

# 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

**Oak Ridge**

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

**Lewis County, Oak Ridge Rd**

3. CIRCUIT NAME AND NUMBER

**Petersville**

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

**KY 59, Petersville Rd**

5. TOTAL CIRCUIT LENGTH (MILES)

**32.4**

6. CUSTOMER COUNT FOR THIS CIRCUIT

**169**

7.. DATE OF LAST CIRCUIT TRIM (VM)

**2018**

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

Equipment Failure	0.52	Tree Failure	9.7	Animal	0
Installation Fault	0	Tree w/ wind	0.53	Cust Caused	0
Conductor Sag	0	Weather	12.06	Motor Vehicle	0
Overload	0	Tree out of ROW	5.89	Public Cut Tree	0
Decay/Age Equip	0	Lightning	0.303	Public Other	0
Corrosion/Abrasion	0	Wind	1.14	Other	0
Tree Growth	0	Small Animal	0	Cause Unknown	0.43

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

**21.9**

10. REPORTING YEAR (SAIDI)

**30.6**

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

**0.12**

12. REPORTING YEAR (SAIFI)

**0.21**

13. CORRECTIVE ACTION PLAN

**Weather was the larger cause.**

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

# 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  
**Hillsboro**
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)  
**Fleming County, Hillsboro**
3. CIRCUIT NAME AND NUMBER  
**Ringos**
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)  
**KY 158, Ringos**
5. TOTAL CIRCUIT LENGTH (MILES)  
**32.3**
6. CUSTOMER COUNT FOR THIS CIRCUIT  
**252**
- 7.. DATE OF LAST CIRCUIT TRIM (VM)  
**2019**
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

Equipment Failure	0	Tree Failure	0.88	Animal	0
Installation Fault	0	Tree w/ wind	9.35	Cust Caused	0
Conductor Sag	0	In-house Tree	0	Motor Vehicle	1.9
Overload	0	Tree out of ROW	0.14	Public Cut Tree	0
Decay/Age Equip	0.037	Lightning	0.35	Public Other	0
Corrosion/Abrasion	0	Wind	0.23	Other	0
Tree Growth	1.25	Small Animal	0	Cause Unknown	0.19

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)  
**3.6**
10. REPORTING YEAR (SAIDI)  
**14.6**
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)  
**0.04**
12. REPORTING YEAR (SAIFI)  
**0.05**
13. CORRECTIVE ACTION PLAN

**Wind with trees was the largest cause.**

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

# 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

**Hilda**

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

**Rowan County, KY 32**

3. CIRCUIT NAME AND NUMBER

**Rowan County High School**

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

**KY 32, Morehead**

5. TOTAL CIRCUIT LENGTH (MILES)

**10.3**

6. CUSTOMER COUNT FOR THIS CIRCUIT

**200**

7.. DATE OF LAST CIRCUIT TRIM (VM)

**2018**

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

Equipment Failure	0	Tree Failure	0.08	Animal	0.16
Installation Fault	0	Tree w/ wind	6.48	Cust Caused	0
Conductor Sag	0	In-house Tree	0	Motor Vehicle	0.04
Overload	0	Tree out of ROW	6.98	Public Cut Tree	0
Decay/Age Equip	0	Lightning	0	Public Other	0
Corrosion/Abrasion	0	Wind	5.75	Other	0
Tree Growth	0	Small Animal	0.06	Cause Unknown	0

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

**4.6**

10. REPORTING YEAR (SAIDI)

**20.02**

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

**0.05**

12. REPORTING YEAR (SAIFI)

**0.07**

13. CORRECTIVE ACTION PLAN

**Trees and wind were the largest cause. Will monitor ROW.**

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

# 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

**Charters**

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

**Lewis County, Charters**

3. CIRCUIT NAME AND NUMBER

**Salt Lick**

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

**Charters, Salt Lick Rd.**

5. TOTAL CIRCUIT LENGTH (MILES)

**11.7**

6. CUSTOMER COUNT FOR THIS CIRCUIT

**89**

7.. DATE OF LAST CIRCUIT TRIM (VM)

**2023**

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

Equipment Failure	0	Tree Failure	0	Animal	0
Installation Fault	0	Tree w/ wind	2.65	Cust Caused	0
Conductor Sag	0	In-house Tree	0	Motor Vehicle	0.057
Overload	0	Tree out of ROW	0	Public Cut Tree	0
Decay/Age Equip	0	Lightning	0	Public Other	0
Corrosion/Abrasion	0	Wind	0	Other	0
Tree Growth	0	Small Animal	0	Cause Unknown	0.43

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

**0.4**

10. REPORTING YEAR (SAIDI)

**3.13**

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

**0.004**

12. REPORTING YEAR (SAIFI)

**0.03**

13. CORRECTIVE ACTION PLAN

**Small circuit with very few outages**

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

# 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  
**Sharkey**
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)  
**Rowan County, Sharkey**
3. CIRCUIT NAME AND NUMBER  
**Sharkey**
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)  
**KY 801, Sharkey**
5. TOTAL CIRCUIT LENGTH (MILES)  
**40.6**
6. CUSTOMER COUNT FOR THIS CIRCUIT  
**580**
- 7.. DATE OF LAST CIRCUIT TRIM (VM)  
**2024**
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

Equipment Failure	0.08	Tree Failure	0.78	Animal	0
Installation Fault	0	Tree w/ wind	3.92	Cust Caused	0
Conductor Sag	0	In-house Tree	5.42	Motor Vehicle	0
Overload	0	Tree out of ROW	24.4	Public Cut Tree	0
Decay/Age Equip	0.09	Lightning	2.04	Public Other	0
Corrosion/Abrasion	0	Wind	0	Other	0
Tree Growth	0.58	Small Animal	2.08	Cause Unknown	0.39

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)  
**33.3**
10. REPORTING YEAR (SAIDI)  
**40.2**
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)  
**0.26**
12. REPORTING YEAR (SAIFI)  
**0.66**
13. CORRECTIVE ACTION PLAN

**Tree out of right of way is the target cause. Will monitor.**

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



# 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  
**Murphysville**
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)  
**Mason County, Murphysville**
3. CIRCUIT NAME AND NUMBER  
**Strodes Run**
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)  
**US 68, Strodes Run**
5. TOTAL CIRCUIT LENGTH (MILES)  
**29.4**
6. CUSTOMER COUNT FOR THIS CIRCUIT  
**104**
- 7.. DATE OF LAST CIRCUIT TRIM (VM)  
**2023**
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

Equipment Failure	10.21	Tree Failure	0	Animal	0.02
Installation Fault	0	Tree w/ wind	0	Cust Caused	0
Conductor Sag	0	In-house Tree	0	Motor Vehicle	0
Overload	0	Tree out of ROW	0	Public Cut Tree	0
Decay/Age Equip	0.075	Lightning	0.338	Public Other	0.2
Corrosion/Abrasion	0	Wind	0	Other	0
Tree Growth	0	Small Animal	0.212	Cause Unknown	2.11

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)  
**0.48**
10. REPORTING YEAR (SAIDI)  
**13.1**
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)  
**0.046**
12. REPORTING YEAR (SAIFI)  
**0.07**
13. CORRECTIVE ACTION PLAN

**Equipment failure is the largest cause. Will investigate.**

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

# 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

**Rectorville**

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

**Mason County, Rectorville**

3. CIRCUIT NAME AND NUMBER

**Tollesboro**

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

**AA Hwy, Tollesboro**

5. TOTAL CIRCUIT LENGTH (MILES)

**68.7**

6. CUSTOMER COUNT FOR THIS CIRCUIT

**985**

7.. DATE OF LAST CIRCUIT TRIM (VM)

**2024**

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

Equipment Failure	0.33	Tree Failure	0	Animal	0
Installation Fault	0	Tree w/ wind	0.27	Cust Caused	0
Conductor Sag	0	In-house Tree	0.08	Motor Vehicle	0
Overload	0	Tree out of ROW	0	Public Cut Tree	0
Decay/Age Equip	0.33	Lightning	1.15	Public Other	0
Corrosion/Abrasion	0	weather	2.6	Other	0
Tree Growth	0	Small Animal	0.77	Cause Unknown	6.74

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

**10.8**

10. REPORTING YEAR (SAIDI)

**12.8**

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

**0.13**

12. REPORTING YEAR (SAIFI)

**0.14**

13. CORRECTIVE ACTION PLAN

**Unknown was largest cause. Usually animal related but will investigate.**

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

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

### **CIRCUIT #1:**

1. SUBSTATION NAME AND NUMBER  
**Flemingsburg**
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)  
**Fleming County, Energy Rd**
3. CIRCUIT NAME AND NUMBER  
**Toyo Seat**
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)  
**Flemingsburg, KY 11**
5. TOTAL CIRCUIT LENGTH (MILES)  
**10.4**
6. CUSTOMER COUNT FOR THIS CIRCUIT  
**88**
- 7.. DATE OF LAST CIRCUIT TRIM (VM)  
**2020**
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

Equipment Failure	1.07	Tree Failure	0	Animal	0
Installation Fault	0	Tree w/ wind	0	Cust Caused	0
Conductor Sag	0	In-house Tree	0	Motor Vehicle	4.6
Overload	0	Tree out of ROW	0	Public Cut Tree	0
Decay/Age Equip	0	Lightning	0	Public Other	0
Corrosion/Abrasion	0	Wind	0.32	Other	0
Tree Growth	0	Small Animal	0.34	Cause Unknown	0.11

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)  
**0.86**
10. REPORTING YEAR (SAIDI)  
**6.5**
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)  
**0.016**
12. REPORTING YEAR (SAIFI)  
**0.06**
13. CORRECTIVE ACTION PLAN

**Vehicle accident was largest cause.**

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

# KENTUCKY PUBLIC SERVICE COMMISSION

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## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

### **CIRCUIT #1:**

1. SUBSTATION NAME AND NUMBER  
**Murphysville**
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)  
**Mason County, Murphysville**
3. CIRCUIT NAME AND NUMBER  
**Weaver Rd**
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)  
**Weaver Rd, Mayslick**
5. TOTAL CIRCUIT LENGTH (MILES)  
**83.7**
6. CUSTOMER COUNT FOR THIS CIRCUIT  
**73**
- 7.. DATE OF LAST CIRCUIT TRIM (VM)  
**2021**
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

Equipment Failure	12.83	Tree Failure	0.05	Animal	0
Installation Fault	0	Tree w/ wind	6.84	Cust Caused	0
Conductor Sag	0	In-house Tree	0	Motor Vehicle	9.37
Overload	0	Tree out of ROW	0.22	Public Cut Tree	0
Decay/Age Equip	0.36	Lightning	0.56	Public Other	2.07
Corrosion/Abrasion	0	weather	0	Other	0
Tree Growth	0	Small Animal	0	Cause Unknown	0.44

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)  
**30.5**
10. REPORTING YEAR (SAIDI)  
**35**
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)  
**0.22**
12. REPORTING YEAR (SAIFI)  
**0.39**
13. CORRECTIVE ACTION PLAN

**Equipment Failure was the largest cause. Will investigate.**

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

KENTUCKY PUBLIC SERVICE COMMISSION

Trimming Cycle - 8 years  
Spaying Cycle - 2 years

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