



Farmers Rural Electric Cooperative Corporation

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PUBLIC SERVICE
COMMISSION

April 24, 2017

Dr. Talina R. Mathews
Executive Director
Kentucky Public Service Commission
P O Box 615
211 Sower Blvd.
Frankfort, KY 40602-0615

Dear Dr. Mathews:

Please find an original paper copy and an electronic version of Farmers Rural Electric's 2016 Distribution Reliability Report pursuant to the May 30, 2013 Order and the April 1, 2014 Order pertaining to Administrative Case No. 2011-00450.

If there are any questions or any further information needed Please contact me.

Sincerely,

A handwritten signature in blue ink that reads 'Tony Wells'.

Tony Wells
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A Touchstone Energy™ Cooperative The logo for Touchstone Energy, featuring a stylized figure with arms raised in a circle, colored in red, blue, and yellow.

KENTUCKY PUBLIC SERVICE COMMISSION

Electric Distribution Utility Annual Reliability Report

SECTION 1: CONTACT INFORMATION

UTILITY NAME	Farners Rural Electric Cooperative
REPORT PREPARED BY	Tony Wells
E-MAIL ADDRESS OF PREPARER	twells@farmersrecc.com
PHONE NUMBER OF PREPARER	270-651-2191 Ext 8200

SECTION 2: REPORT YEAR

CALENDAR YEAR OF REPORT	2016
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SECTION 3: MAJOR EVENT DAYS

T_{MED}	14.0
FIRST DATE USED TO DETERMINE T_{MED}	1/1/2011
LAST DATE USED TO DETERMINE T_{MED}	12/31/2015
NUMBER OF MED IN REPORT YEAR	1

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	24292	TOTAL CIRCUITS	59
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Excluding MED

	5 YEAR AVERAGE		REPORTING YEAR
SAIDI	192.48	SAIDI	206.33
SAIFI	1.83	SAIFI	2.23

Including MED

	5 YEAR AVERAGE		REPORTING YEAR
SAIDI	238.69	SAIDI	229.88
SAIFI	2.12	SAIFI	2.39

Notes:

- 1) All duration indices (SAIDI, CAIDI) 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, CAIDI, and T_{MED}

KENTUCKY PUBLIC SERVICE COMMISSION

Electric Distribution Utility Annual Reliability Report

SECTION 5: CIRCUIT REPORTING

(CIRCUIT WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE
(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1

1. SUBSTATION NAME AND NUMBER

Goodnight (1)

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

Barren County - Hwy 31 E - Goodnight Community

3. CIRCUIT NAME AND NUMBER

Hiseville (1)

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

Hiseville, Goodnight-Hiseville Rd Hwy 70 and Hwy 740

5. TOTAL CIRCUIT MILES (MILES)

75.8

6. CUSTOMER COUNT FOR THIS CIRCUIT

487

7. DATE OF LAST CIRCUIT TRIM (VM)

2014

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

Equipment Failure	58.62%
Public	33.16%
Weather	3.85%
Tree Related	2.18%
Planned	1.06%
Unknown	1.03%
Animal	0.09%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

178.29

10. REPORTING YEAR (SAIDI)

234.70

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.73

12. REPORTING YEAR (SAIFI)

2.41

13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

None taken or to be taken. Two circuit level outages - one for conductor burned down mid-span and one for auto accident.

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #2

1. **SUBSTATION NAME AND NUMBER**
Munfordville (2)
2. **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)**
Hart Co., Hwy 31-W, Munfordville, KY
3. **CIRCUIT NAME AND NUMBER**
Seymour (1)
4. **CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)**
Munfordville - Hwy 357 - Northeast of Munfordville
5. **TOTAL CIRCUIT MILES (MILES)**
8.0
6. **CUSTOMER COUNT FOR THIS CIRCUIT**
36
7. **DATE OF LAST CIRCUIT TRIM (VM)**
2015
8. **LIST OUTAGE FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE**

Tree Related	100.00%
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9. **CIRCUIT 5 YEAR AVERAGE (SAIDI)**
219.74
10. **REPORTING YEAR (SAIDI)**
561.21
11. **CIRCUIT 5 YEAR AVERAGE (SAIFI)**
2.2
12. **REPORTING YEAR (SAIFI)**
1.15
13. **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
None taken or to be taken. Circuit reconfigured during year.

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #3

1. SUBSTATION NAME AND NUMBER

Munfordville (2)

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

Hart Co., Hwy 357, Munfordville, KY

3. CIRCUIT NAME AND NUMBER

Jonesville (5)

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

Munfordville - Hwy 357 - Northeast of Munfordville

5. TOTAL CIRCUIT MILES (MILES)

10.4.

6. CUSTOMER COUNT FOR THIS CIRCUIT

53

7. DATE OF LAST CIRCUIT TRIM (VM)

2014

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

Tree Related	89.90%
Unknown	5.99%
Animal	4.11%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

269.75

10. REPORTING YEAR (SAIDI)

332.20

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

2.3

12. REPORTING YEAR (SAIFI)

1.58

13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

None taken or to be taken. One circuit level outage involving multiple broken poles.

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #4

1. SUBSTATION NAME AND NUMBER

Munfordville (2)

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

Hart Co., Hwy 31-W, Munfordville, KY

3. CIRCUIT NAME AND NUMBER

Cub Run (6)

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

Munfordville to Cub Run and Wax, Hwy 88

5. TOTAL CIRCUIT MILES (MILES)

175.2

6. CUSTOMER COUNT FOR THIS CIRCUIT

1695

7. DATE OF LAST CIRCUIT TRIM (VM)

2009

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

Tree Related	59.46%
Weather	20.13%
Equipment Failure	15.13%
Animal	3.73%
Public	0.94%
Planned	0.30%
Unknown	0.30%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

165.7

10. REPORTING YEAR (SAIDI)

274.68

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.54

12. REPORTING YEAR (SAIFI)

2.38

13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

None taken or to be taken. One circuit level outage was 43% of outage time.

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #5

1. SUBSTATION NAME AND NUMBER

Temple Hill (3)

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

Barren Co., Hwy 163, Temple Hill

3. CIRCUIT NAME AND NUMBER

Summer Shade (1)

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

Temple Hill, Hwy 90, Eighty-Eight and Summer Shade

5. TOTAL CIRCUIT MILES (MILES)

126.1

6. CUSTOMER COUNT FOR THIS CIRCUIT

869

7. DATE OF LAST CIRCUIT TRIM (VM)

Before 2009

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

Equipment Failure	34.389%
Sag or Clearance	21.499%
Weather	19.668%
Tree Related	18.721%
Unknown	3.259%
Planned	2.205%
Public	0.154%
Animal	0.11%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

369.07

10. REPORTING YEAR (SAIDI)

435.15

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

2.65

12. REPORTING YEAR (SAIFI)

4.59

13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

None taken or to be taken. A large road move project was in progress and multiple outages occurred while temporary construction was in place.

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #6

1. SUBSTATION NAME AND NUMBER

Temple Hill (3)

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

Barren Co., Hwy 163, Temple Hill

3. CIRCUIT NAME AND NUMBER

Etoile (4)

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

Etoile, crossing multiple rds serving towards Barren River State Park

5. TOTAL CIRCUIT MILES (MILES)

161

6. CUSTOMER COUNT FOR THIS CIRCUIT

948

7. DATE OF LAST CIRCUIT TRIM (VM)

2010

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

Tree Related	74.10%
Weather	14.55%
Unknown	4.73%
Public	3.78%
Planned	1.06%
Animal	0.95%
Borrower R/W crew	0.48%
Equipment Failure	0.35%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

159.06

10. REPORTING YEAR (SAIDI)

284.56

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.63

12. REPORTING YEAR (SAIFI)

3.30

13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

This is a long circuit that will be broken up in to 3 circuits when the new Roseville sub is brought online this year.

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #7

1. SUBSTATION NAME AND NUMBER

Temple Hill (3)

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

Barren Co., Hwy 163, Temple Hill

3. CIRCUIT NAME AND NUMBER

Temple Hill (6)

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

Temple Hill - Hwy 63

5. TOTAL CIRCUIT MILES (MILES)

34.5

6. CUSTOMER COUNT FOR THIS CIRCUIT

269

7. DATE OF LAST CIRCUIT TRIM (VM)

Before 2009

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

Weather	59.03%
Tree Related	36.72%
Equipment Failure	2.61%
Planned	1.08%
Public	0.56%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

105.21

10. REPORTING YEAR (SAIDI)

158.39

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.74

12. REPORTING YEAR (SAIFI)

1.19

13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

Circuit will be trimmed in 2017.

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #8

1. SUBSTATION NAME AND NUMBER

Knob Lick (4)

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

Metcalf County - Hwy 70 - Knob Lick

3. CIRCUIT NAME AND NUMBER

Sulphur Well(1)

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

Knob Lick to Sulphur Well - Hwy 70

5. TOTAL CIRCUIT MILES (MILES)

97.4

6. CUSTOMER COUNT FOR THIS CIRCUIT

623

7. DATE OF LAST CIRCUIT TRIM (VM)

2013

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

Equipment Failure	75.04%
Unknown	11.59%
Animal	8.29%
Public	2.59%
Weather	1.48%
Tree Related	0.96%
Planned	0.04%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

334.34

10. REPORTING YEAR (SAIDI)

463.28

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

2.68

12. REPORTING YEAR (SAIFI)

4.17

13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

None taken or to be taken. One outage account for 37% of outage time

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #9

1. SUBSTATION NAME AND NUMBER

Knob Lick (4)

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

Metcalf County - Hwy 70 - Knob Lick

3. CIRCUIT NAME AND NUMBER

Edmonton (2)

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

Knob Lick to Edmonton, Hwy 1243 and Hwy 80

5. TOTAL CIRCUIT MILES (MILES)

48.1

6. CUSTOMER COUNT FOR THIS CIRCUIT

311

7. DATE OF LAST CIRCUIT TRIM (VM)

2010

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

Public	51.29%
Tree Related	37.69%
Weather	7.04%
Unknown	3.13%
Planned	0.56%
Equipment Failure	0.29%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

201.27

10. REPORTING YEAR (SAIDI)

255.99

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.76

12. REPORTING YEAR (SAIFI)

3.58

13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

None taken or to be taken. Public accounted for 51% of outages and the circuit was split in half and a portion was served from another substation.

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #10

1. SUBSTATION NAME AND NUMBER

Knob Lick (4)

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

Metcalfe County - Hwy 70 - Knob Lick

3. CIRCUIT NAME AND NUMBER

Hiseville (3)

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

Knob Lick to Hiseville - Hwy 70

5. TOTAL CIRCUIT MILES (MILES)

22.5

6. CUSTOMER COUNT FOR THIS CIRCUIT

176

7. DATE OF LAST CIRCUIT TRIM (VM)

Before 2009

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

Public	56.37%
Equipment Failure	29.36%
Tree Related	9.64%
Planned	3.44%
Animal	1.20%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

136.57

10. REPORTING YEAR (SAIDI)

102.01

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.08

12. REPORTING YEAR (SAIFI)

1.26

13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

None taken or to be taken. Public outages were 56% of outages

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #11

1. **SUBSTATION NAME AND NUMBER**
Knob Lick (4)
2. **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)**
Metcalf County - Hwy 70 - Knob Lick
3. **CIRCUIT NAME AND NUMBER**
Wisdom (5)
4. **CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)**
Knob Lick to Wisdom, Hwy 640
5. **TOTAL CIRCUIT MILES (MILES)**
27.4
6. **CUSTOMER COUNT FOR THIS CIRCUIT**
137
7. **DATE OF LAST CIRCUIT TRIM (VM)**
2013
8. **LIST OUTAGE FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE**

Weather	51.22%
Power Supply	16.39%
Equipment Failure	15.20%
Unknown	7.94%
Tree Related	5.64%
Animal	2.69%
Planned	0.9%
9. **CIRCUIT 5 YEAR AVERAGE (SAIDI)**
80.96
10. **REPORTING YEAR (SAIDI)**
245.07
11. **CIRCUIT 5 YEAR AVERAGE (SAIFI)**
0.82
12. **REPORTING YEAR (SAIFI)**
3.32
13. **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
'None taken or to be taken. Power Supply and 1 outage accounted for 46%

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #12

1. SUBSTATION NAME AND NUMBER

Beckton (5)

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

Barren County - Hwy 1297 - Beckton

3. CIRCUIT NAME AND NUMBER

Glasgow (1)

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

Beckton - Glasgow - Hwy 1297

5. TOTAL CIRCUIT MILES (MILES)

17.6

6. CUSTOMER COUNT FOR THIS CIRCUIT

160

7. DATE OF LAST CIRCUIT TRIM (VM)

2015

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

Weather	45.08%
Public	37.59%
Tree Related	14.67%
Equipment Failure	2.00%
Planned	0.67%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

82.27

10. REPORTING YEAR (SAIDI)

326.76

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.73

12. REPORTING YEAR (SAIFI)

2.77

13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

None taken or to be taken. Public and 2 other outages accounted for 76%

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #13

1. SUBSTATION NAME AND NUMBER

Beckton (5)

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

Barren County - Hwy 1297 - Beckton

3. CIRCUIT NAME AND NUMBER

Rocky Hill - Barren River State Park (2)

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

Beckton, Rocky Hill, Finney - Hwy 252, Beckton-Rocky Hill Rd - Barren River State Pk

5. TOTAL CIRCUIT MILES (MILES)

110.2

6. CUSTOMER COUNT FOR THIS CIRCUIT

1188

7. DATE OF LAST CIRCUIT TRIM (VM)

2015-2016

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

Equipment Failure	61.36%
Unknown	15.49%
weather	10.59%
Tree Related	8.89%
Animal	1.81%
Planned	1.48%
Public	0.38%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

135.44

10. REPORTING YEAR (SAIDI)

140.29

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.7

12. REPORTING YEAR (SAIFI)

2.00

13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

None taken or to be taken. 1 outage (broken insulator) accounted for 50%

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #14

1. **SUBSTATION NAME AND NUMBER**
Cave City (6)
2. **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)**
Barren County - Hwy 90 - Cave City
3. **CIRCUIT NAME AND NUMBER**
Goodnight (4)
4. **CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)**
Goodnight, Whitney Woods areas
5. **TOTAL CIRCUIT MILES (MILES)**
9.0
6. **CUSTOMER COUNT FOR THIS CIRCUIT**
79
7. **DATE OF LAST CIRCUIT TRIM (VM)**
Before 2009
8. **LIST OUTAGE FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE**

Tree Related	70.25%
weather	29.75%
9. **CIRCUIT 5 YEAR AVERAGE (SAIDI)**
24.53
10. **REPORTING YEAR (SAIDI)**
45.17
11. **CIRCUIT 5 YEAR AVERAGE (SAIFI)**
0.40
12. **REPORTING YEAR (SAIFI)**
0.37
13. **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
None taken or to be taken. Only 4 outages total.

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #15

1. **SUBSTATION NAME AND NUMBER**
Cave City (6)
2. **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)**
Barren County - Hwy 90 - Cave City
3. **CIRCUIT NAME AND NUMBER**
Park City (5)
4. **CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)**
Cave City, Hwy 31-W, Cave City - Park City
5. **TOTAL CIRCUIT MILES (MILES)**
22.3
6. **CUSTOMER COUNT FOR THIS CIRCUIT**
419
7. **DATE OF LAST CIRCUIT TRIM (VM)**
2014
8. **LIST OUTAGE FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE**

weather	54.63%
Unknown	44.26%
Planned	1.11%
9. **CIRCUIT 5 YEAR AVERAGE (SAIDI)**
6.13
10. **REPORTING YEAR (SAIDI)**
66.02
11. **CIRCUIT 5 YEAR AVERAGE (SAIFI)**
0.05
12. **REPORTING YEAR (SAIFI)**
0.91
13. **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
None taken or to be taken. New Circuit - Refeed of existing line

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CIRCUIT #16

1. SUBSTATION NAME AND NUMBER

Parkway (7)

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

Barren County - Hwy 31E - Glasgow, KY

3. CIRCUIT NAME AND NUMBER

Pritchardsville (2)

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

Glasgow, KY -Pritchardsville, South Fork Rd - South of Glasgow, KY

5. TOTAL CIRCUIT MILES (MILES)

19.8

6. CUSTOMER COUNT FOR THIS CIRCUIT

401

7. DATE OF LAST CIRCUIT TRIM (VM)

2015

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

Public	69.15%
Animal	9.96%
Unknown	7.36%
weather	6.30%
Tree Related	4.25%
Equipment Failure	2.50%
Planned	0.49%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

77.21

10. REPORTING YEAR (SAIDI)

43.59

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.85

12. REPORTING YEAR (SAIFI)

1.2

13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

None taken or to be taken. One public caused outage was 69%

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #17

1. **SUBSTATION NAME AND NUMBER**
Parkway (7)
2. **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)**
Barren County - Hwy 31E - Glasgow, KY
3. **CIRCUIT NAME AND NUMBER**
Haywood (4)
4. **CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)**
Glasgow, KY - South Fork Rd - Haywood, South of Glasgow, KY
5. **TOTAL CIRCUIT MILES (MILES)**
46.9
6. **CUSTOMER COUNT FOR THIS CIRCUIT**
905
7. **DATE OF LAST CIRCUIT TRIM (VM)**
2015
8. **LIST OUTAGE FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE**

Tree Related	84.80%
Weather	9.86%
Planned	3.14%
Public	0.93%
Equipment Failure	0.77%
Animal	0.27%
Unknown	0.22%
9. **CIRCUIT 5 YEAR AVERAGE (SAIDI)**
99.72
10. **REPORTING YEAR (SAIDI)**
122.89
11. **CIRCUIT 5 YEAR AVERAGE (SAIFI)**
0.97
12. **REPORTING YEAR (SAIFI)**
1.39
13. **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
None taken or to be taken. One outage was 79% of outage time.

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #18

1. SUBSTATION NAME AND NUMBER

Parkway 2 (14)

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

Barren County - Hwy 31E - Glasgow, KY

3. CIRCUIT NAME AND NUMBER

Nemac (1)

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

Industrial Circuit serving Nemac

5. TOTAL CIRCUIT MILES (MILES)

0.5

6. CUSTOMER COUNT FOR THIS CIRCUIT

4

7. DATE OF LAST CIRCUIT TRIM (VM)

2013

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

Planned	100%
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9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

15.63

10. REPORTING YEAR (SAIDI)

36.00

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.32

12. REPORTING YEAR (SAIFI)

0.80

13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

None taken or to be taken. One planned outage

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #19

1. SUBSTATION NAME AND NUMBER

Galloway (8)

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

Metcalf County, Hwy 68-80, Edmonton

3. CIRCUIT NAME AND NUMBER

Edmonton (1)

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

Edmonton, Hwy 68-80, Serves the city of Edmonton and surrounding area

5. TOTAL CIRCUIT MILES (MILES)

172.1

6. CUSTOMER COUNT FOR THIS CIRCUIT

1328

7. DATE OF LAST CIRCUIT TRIM (VM)

2015

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

Planned	34.73%
Tree Related	29.01%
Unknown	21.76%
Equipment Failure	13.89%
Public	0.26%
Weather	0.18%
Borrower Cut Tree	0.11%
Animal	0.06%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

97.35

10. REPORTING YEAR (SAIDI)

136.99

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.21

12. REPORTING YEAR (SAIFI)

1.32

13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

None taken or to be taken. Planned outages for voltage conversion and this circuit has additional line added to it from Knob Lick circuit 2.

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #20

1. SUBSTATION NAME AND NUMBER

Galloway (8)

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

Metcalf County, Hwy 68-80, Edmonton

3. CIRCUIT NAME AND NUMBER

Edmonton (2)

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

Edmonton, Hwy 68-80 - Hwy 640, Wisdom and Randolph

5. TOTAL CIRCUIT MILES (MILES)

94.1

6. CUSTOMER COUNT FOR THIS CIRCUIT

808

7. DATE OF LAST CIRCUIT TRIM (VM)

2011

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

Weather	36.07%
Tree Related	29.10%
Public	16.70%
Equipment Failure	11.06%
Planned	3.44%
Animal	2.51%
Unknown	1.13%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

113.58

10. REPORTING YEAR (SAIDI)

121.35

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.25

12. REPORTING YEAR (SAIFI)

1.25

13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

The right of way is scheduled to be trimmed out in 2018. With only a 7% increase over the five year average, The current schedule will be followed

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #21

1. **SUBSTATION NAME AND NUMBER**
Galloway (8)
2. **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)**
Metcalfe County, Hwy 68-80, Edmonton
3. **CIRCUIT NAME AND NUMBER**
Old 68-80 (3)
4. **CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)**
Edmonton, Old Hwy 68-80
5. **TOTAL CIRCUIT MILES (MILES)**
0.92
6. **CUSTOMER COUNT FOR THIS CIRCUIT**
19
7. **DATE OF LAST CIRCUIT TRIM (VM)**
2017
8. **LIST OUTAGE FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE**

Equipment Failure	50.00%
Tree Related	50.00%
9. **CIRCUIT 5 YEAR AVERAGE (SAIDI)**
1.62
10. **REPORTING YEAR (SAIDI)**
25.74
11. **CIRCUIT 5 YEAR AVERAGE (SAIFI)**
0.02
12. **REPORTING YEAR (SAIFI)**
0.35
13. **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
None taken or to be taken. Small circuit only 2 outages total.

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #22

1. SUBSTATION NAME AND NUMBER

Bonnieville (9)

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

Hart County, Hwy 31-W, Bonnieville

3. CIRCUIT NAME AND NUMBER

Munfordville (2)

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

Bonnieville - Munfordville - Hwy 31-W - Along 31-W and Pine ridge Hill

5. TOTAL CIRCUIT MILES (MILES)

49.7

6. CUSTOMER COUNT FOR THIS CIRCUIT

448

7. DATE OF LAST CIRCUIT TRIM (VM)

2015

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

Equipment Failure	62.63%
Tree Related	17.86%
R/W Contractor	1.60%
Weather	8.28%
Public	9.17%
Other	0.09%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

187.78

10. REPORTING YEAR (SAIDI)

221.64

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.46

12. REPORTING YEAR (SAIFI)

0.74

13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

None taken or to be taken. 2 outages were 79.9% of outages

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #23

1. **SUBSTATION NAME AND NUMBER**
West Glasgow (10)
2. **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)**
Barren County, Donnelly Drive, Glasgow
3. **CIRCUIT NAME AND NUMBER**
Old Bowling Green Rd (2)
4. **CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)**
Glasgow - Hwy 1297 - Towards Beckton
5. **TOTAL CIRCUIT MILES (MILES)**
8.0
6. **CUSTOMER COUNT FOR THIS CIRCUIT**
90
7. **DATE OF LAST CIRCUIT TRIM (VM)**
2014
8. **LIST OUTAGE FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE**

Equipment Failure	62.90%
Tree Related	15.63%
Unknown	8.38%
weather	7.44%
Animal	4.72%
Planned	0.93%
9. **CIRCUIT 5 YEAR AVERAGE (SAIDI)**
145.64
10. **REPORTING YEAR (SAIDI)**
169.27
11. **CIRCUIT 5 YEAR AVERAGE (SAIFI)**
0.98
12. **REPORTING YEAR (SAIFI)**
2.81
13. **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
None taken or to be taken. 1 outage was 62% of outages

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #24

1. SUBSTATION NAME AND NUMBER

Seymour (11)

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

Hart County - Hwy 218 - Horse Cave, KY

3. CIRCUIT NAME AND NUMBER

Monroe (4)

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

Hardyville, KY - Hwy 218, Hundred Acre rd - Legrade and Monroe

5. TOTAL CIRCUIT MILES (MILES)

49.2

6. CUSTOMER COUNT FOR THIS CIRCUIT

405

7. DATE OF LAST CIRCUIT TRIM (VM)

2012

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

weather	69.9%
Tree Related	15.3%
Animal	14.0%
Unknown	0.5%
Planned	0.2%
Public	0.1%
Equipment Failure	0.1%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

154.82

10. REPORTING YEAR (SAIDI)

276.40

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.48

12. REPORTING YEAR (SAIFI)

2.24

13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

None taken or to be taken. 1 outage was 69% of outages

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #25

1. **SUBSTATION NAME AND NUMBER**
Fox Hollow (12)
2. **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)**
Barren County - Hwy 63 - Glasgow, KY
3. **CIRCUIT NAME AND NUMBER**
Green Valley (2)
4. **CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)**
Glasgow, KY - Hy 90 - Green Valley
5. **TOTAL CIRCUIT MILES (MILES)**
56.8
6. **CUSTOMER COUNT FOR THIS CIRCUIT**
791
7. **DATE OF LAST CIRCUIT TRIM (VM)**
2013
8. **LIST OUTAGE FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE**

Equipment Failure	80.28%
Tree Related	13.08%
Planned	2.31%
Unknown	1.42%
Borrower Cuts Tree	1.33%
Animal	1.14%
Weather	0.39%
Maint, Other	0.05%
9. **CIRCUIT 5 YEAR AVERAGE (SAIDI)**
102.37
10. **REPORTING YEAR (SAIDI)**
264.15
11. **CIRCUIT 5 YEAR AVERAGE (SAIFI)**
1.10
12. **REPORTING YEAR (SAIFI)**
2.51
13. **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
None taken or to be taken. 1 outage was 75% of outages

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #26

1. SUBSTATION NAME AND NUMBER

Fox Hollow (12)

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

Barren County - Hwy 63 - Glasgow, KY

3. CIRCUIT NAME AND NUMBER

Hollow Rd - Lecta (3)

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

Glasgow, KY - Hy 90, Hwy 68-80, Lecta

5. TOTAL CIRCUIT MILES (MILES)

94.8

6. CUSTOMER COUNT FOR THIS CIRCUIT

1180

7. DATE OF LAST CIRCUIT TRIM (VM)

2013

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

Tree Related	53.52%
Equipment Failure	39.20%
Public	2.82%
Planned	2.33%
Weather	1.93%
Unknown	0.21%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

91.24

10. REPORTING YEAR (SAIDI)

147.34

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.08

12. REPORTING YEAR (SAIFI)

2.34

13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

None taken or to be taken. The circuit has been reconfigured within the last 5 years and is still establishing a baseline.

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #27

1. SUBSTATION NAME AND NUMBER

Bon Ayr (16)

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

Barren County - Hwy 68-80 - Glasgow, KY

3. CIRCUIT NAME AND NUMBER

Dripping Springs (1)

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

Glasgow - Hwy 68-80, Dripping Springs Rd, Carden Rd - Dripping Springs

5. TOTAL CIRCUIT MILES (MILES)

23.8

6. CUSTOMER COUNT FOR THIS CIRCUIT

351

7. DATE OF LAST CIRCUIT TRIM (VM)

2014

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

Tree Related	51.28%
Equipment Failure	39.82%
Planned	6.46%
Public	2.07%
Weather	0.37%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

63.51

10. REPORTING YEAR (SAIDI)

114.74

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.69

12. REPORTING YEAR (SAIFI)

1.06

13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

None taken or to be taken. New substation brought online in 2013 still establishing 5yr average.

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #28

1. SUBSTATION NAME AND NUMBER

Bon Ayr

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

Barren County - Hwy 68-80 - Glasgow, KY

3. CIRCUIT NAME AND NUMBER

Park City (3)

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

Park City, KY - Bon Ayr - Park City Rd - Park City

5. TOTAL CIRCUIT MILES (MILES)

51.5

6. CUSTOMER COUNT FOR THIS CIRCUIT

411

7. DATE OF LAST CIRCUIT TRIM (VM)

2014

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

Equipment Failure	70.34%
Tree Related	22.06%
weather	4.64%
Planned	2.96%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

17.89

10. REPORTING YEAR (SAIDI)

39.39

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.22

12. REPORTING YEAR (SAIFI)

0.23

13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

None taken or to be taken. New substation brought online in 2013 still establishing 5yr average.

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #29

1. SUBSTATION NAME AND NUMBER

Bon Ayr (16)

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

Barren County - Hwy 68-80 - Glasgow, KY

3. CIRCUIT NAME AND NUMBER

Merry Oaks (4)

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

Merry Oaks - Hwy 68-80

5. TOTAL CIRCUIT MILES (MILES)

23.6

6. CUSTOMER COUNT FOR THIS CIRCUIT

287

7. DATE OF LAST CIRCUIT TRIM (VM)

2014

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

Planned	27.01%
Public	24.62%
Weather	23.20%
Animal	15.29%
Off R/W	9.07%
Equipment Failure	0.81%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

8.09

10. REPORTING YEAR (SAIDI)

31.94

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.12

12. REPORTING YEAR (SAIFI)

0.33

13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

None taken or to be taken. New substation brought online in 2013 still establishing 5yr average.

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #30

1. SUBSTATION NAME AND NUMBER

Jonesville

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

Hart County - Hwy 357 - Munfordville, KY

3. CIRCUIT NAME AND NUMBER

Hammondsville (1)

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

Munfordville, KY - Hwy 357 - Hammondsville

5. TOTAL CIRCUIT MILES (MILES)

55.1

6. CUSTOMER COUNT FOR THIS CIRCUIT

336

7. DATE OF LAST CIRCUIT TRIM (VM)

2014.

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

Animal	31.41%
Public	26.66%
Tree Related	14.48%
weather	10.78%
Equipment Failure	9.47%
Unknown	6.94%
Planned	0.27%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

152.28

10. REPORTING YEAR (SAIDI)

327.40

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.11

12. REPORTING YEAR (SAIFI)

2.70

13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

None taken or to be taken. New substation brought online in 2014 still establishing 5yr average.

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #31

1. SUBSTATION NAME AND NUMBER

Jonesville (17)

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

Hart County - Hwy 357 - Munfordville, KY

3. CIRCUIT NAME AND NUMBER

Jonesville (2)

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

Jonesville, KY - Hwy 936 , Aetna Furnace Rd - Jonesville

5. TOTAL CIRCUIT MILES (MILES)

94.6

6. CUSTOMER COUNT FOR THIS CIRCUIT

621

7. DATE OF LAST CIRCUIT TRIM (VM)

2014

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

Tree Related	53.88%
Equipment Failure	24.22%
Weather	10.49%
Public	4.11%
Planned	3.21%
Unknown	3.08%
Sag or Clearance	1.02%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

154.51

10. REPORTING YEAR (SAIDI)

325.38

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.58

12. REPORTING YEAR (SAIFI)

2.70

13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

None taken or to be taken. New substation brought online in 2014 still establishing 5yr average.

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #32

1. SUBSTATION NAME AND NUMBER

Jonesville (17)

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

Hart County - Hwy 357 - Munfordville, KY

3. CIRCUIT NAME AND NUMBER

Seymour (3)

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

Munfordville to Canmer - Hwy 357, Hwy 31-E - Hwy 357 to east of Canmer

5. TOTAL CIRCUIT MILES (MILES)

123.0

6. CUSTOMER COUNT FOR THIS CIRCUIT

675

7. DATE OF LAST CIRCUIT TRIM (VM)

2015

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

Weather	63.74%
Tree Related	26.03%
Planned	6.32%
Unknown	2.80%
Equipment Failure	0.63%
Public	0.45%
Animal	0.03%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

71.25

10. REPORTING YEAR (SAIDI)

249.69

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.38

12. REPORTING YEAR (SAIFI)

1.88

13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

None taken or to be taken. New substation brought online in 2014 still establishing 5yr average.

KENTUCKY PUBLIC SERVICE COMMISSION

Electric Distribution Utility Annual Reliability Report

Additional pages may be attached as necessary

SECTION 7: VEGETATION MANAGEMENT PLAN REVIEW

KENTUCKY PUBLIC SERVICE COMMISSION

Electric Distribution Utility Annual Reliability Report

Additional pages may be attached as necessary

SECTION 7: VEGETATION MANAGEMENT PLAN REVIEW

Farmers RECC Vegetation Management Plan for 2017

Farmers RECC will be committed to its members by providing safe reliable electricity

For 2017 we have contracted with Environmental Consultants Inc. (ECI) to help

oversee and manage our Right-Of-Way program.

In 2017 we will work on six circuits. We have contracted with A&G Tree Service and Green Leaf to clear the following circuits.

- Bonnieville – Priceville has 43 miles of line.
- Temple Hill – Summer Shade has 126 miles of line.
- Temple Hill – Green valley has 19 miles of line.
- Temple Hill – Glover Creek / 44 Market 65 miles of line.
- Temple Hill – Temple Hill has 35 miles of line.
- Galloway – Edmonton has 156 miles of line

Total Miles = 444 miles of line

We also have one A&G crew working hot spots & yard tress. They are cutting Right – Of – Way for new work orders.

We have contracted with Sage for Herbicide spraying on the following 7 circuits.

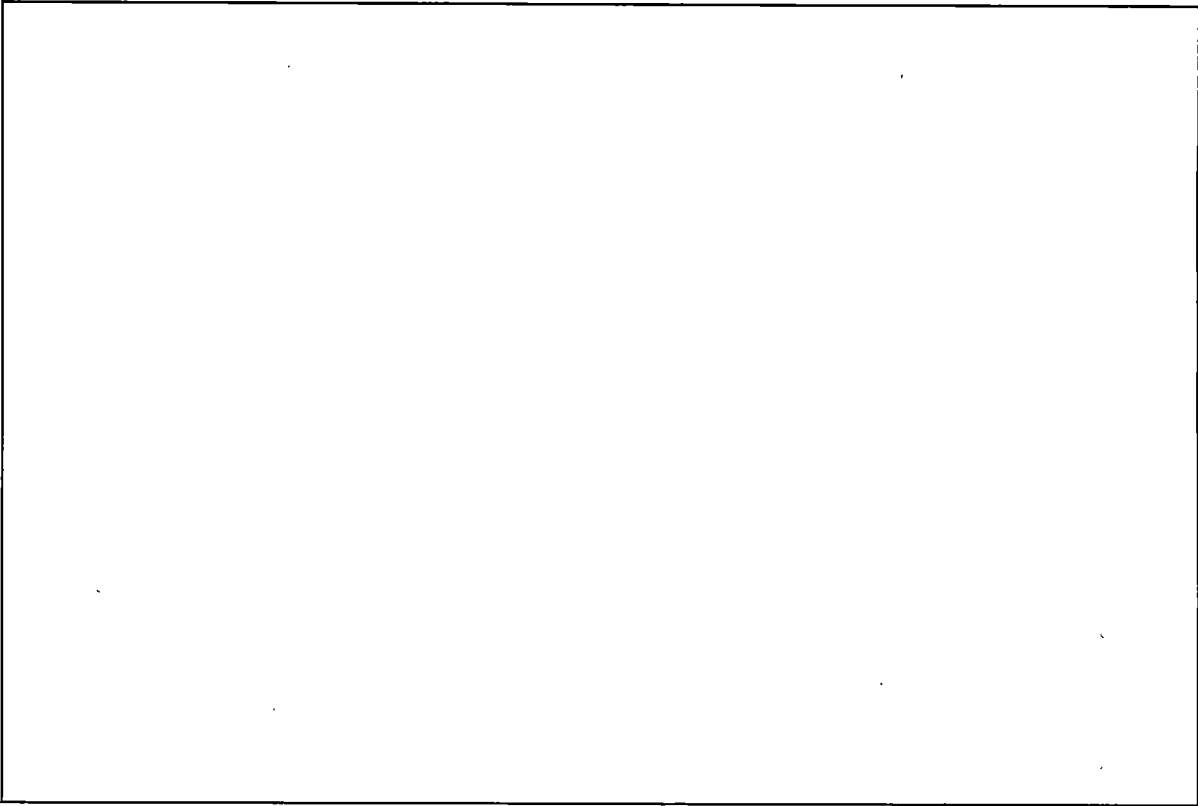
- Fox Hollow – Lecta has 57 miles of line
- Galloway – Randolph has 104 miles of line
- Cave City – Cave City has 4 miles of line
- Cave City – Mammoth Cave has 63 miles of line
- Knob Lick – Sulfur Well has 96 miles of line
- Knob Lick – Center has 113 miles of line
- Munfordville – Northtown has 77 miles of line

Total Miles = 514

By implementing this work plan we can keep our commitment to our members and provide a safe reliable service.

KENTUCKY PUBLIC SERVICE COMMISSION

SECTION 8: UTILITY COMMENTS

A large, empty rectangular box with a thin black border, occupying the upper half of the page. It is intended for entering utility comments.