



Farmers Rural Electric Cooperative Corporation

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PUBLIC SERVICE
COMMISSION

May 12, 2015

Jeff Derouen, Executive Director
Kentucky Public Service Commission
211 Sower Blvd.
P. O. Box 615
Frankfort, KY 40602-0615

RE: Case No. 2011-00450

Dear Mr. Derouen,
Farmers RECC respectfully submits the information requested regarding Case No. 2011-00450. If you have any questions, please contact me.

Sincerely,

Tony Wells
V. P. Technical Services
Farmers Rural Electric Cooperative Corporation

www.farmersrecc.com

A Touchstone Energy® Cooperative 

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	2014
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SECTION 3: MAJOR EVENT DAYS

T_{MED}	26.54
FIRST DATE USED TO DETERMINE T_{MED}	5/1/2010
LAST DATE USED TO DETERMINE T_{MED}	12/31/2013
NUMBER OF MED IN REPORT YEAR	0

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	24318	TOTAL CIRCUITS	59
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Excluding MED

	5 YEAR AVERAGE		REPORTING YEAR
SAIDI	211.68	SAIDI	126.1
SAIFI	1.86	SAIFI	1.24

Including MED

	5 YEAR AVERAGE		REPORTING YEAR
SAIDI	256.3	SAIDI	126.1
SAIFI	2.05	SAIFI	1.24

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)

76.1 miles

6. CUSTOMER COUNT FOR THIS CIRCUIT

486

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**

Animal	39.02%
Unknown	23.62%
Equipment	22.33%
Tree - Off RW	4.26%
Public	3.99%
Tree - Off RW	3.07%
Weather	2.86%
Planned	0.64%
Other	0.21%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

103.6

10. REPORTING YEAR (SAIDI)

424.98

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.88

12. REPORTING YEAR (SAIFI)

5.03

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

Multiple Circuit level outages occurred due to equipment in cattle lot. Resolved after it was found during inspection of line.

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CIRCUIT #2

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**
Cave City (5)
4. **CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)**
Goodnight to Cave City via Whitney Woods Rd
5. **TOTAL CIRCUIT MILES (MILES)**
21.4
6. **CUSTOMER COUNT FOR THIS CIRCUIT**
98
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	57.0%
Weather	42.1%
Animal	0.8%
9. **CIRCUIT 5 YEAR AVERAGE (SAIDI)**
30.0
10. **REPORTING YEAR (SAIDI)**
172.48
11. **CIRCUIT 5 YEAR AVERAGE (SAIFI)**
0.71
12. **REPORTING YEAR (SAIFI)**
2.78
13. **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
None taken or to be taken. Short Circuit with Historically small outage times.

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CIRCUIT #3

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**
Hiseville (3)
4. **CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)**
Knob Lick to Hiseville - Hwy 70
5. **TOTAL CIRCUIT MILES (MILES)**
22.9
6. **CUSTOMER COUNT FOR THIS CIRCUIT**
173
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 - Off RW	97.51%
Planned	2.22%
Weather	0.27%
9. **CIRCUIT 5 YEAR AVERAGE (SAIDI)**
154.7
10. **REPORTING YEAR (SAIDI)**
206.5
11. **CIRCUIT 5 YEAR AVERAGE (SAIFI)**
1.33
12. **REPORTING YEAR (SAIFI)**
1.22
13. **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
None taken or to be taken. One outage caused circuit to break criteria

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #4

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)

109.79

6. CUSTOMER COUNT FOR THIS CIRCUIT

1161

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 - Off RW	40.18%
Weather	30.60%
Tree - On RW	14.43%
Animal	5.45%
Equipment	4.16%
Unknown	3.34%
Planned	1.33%
Public	0.02%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

94.84

10. REPORTING YEAR (SAIDI)

206.78

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.37

12. REPORTING YEAR (SAIFI)

2.4

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

All taps on 3 phase will be fused in 2015 - Completed

Sectionalizing study will be performed and implemented in 2015

Numerous lightning arrestors will be added to line in 2015 - Completed

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CIRCUIT #5

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)**
9.1
6. **CUSTOMER COUNT FOR THIS CIRCUIT**
77
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**

Overload	100.0%
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9. **CIRCUIT 5 YEAR AVERAGE (SAIDI)**
18.37
10. **REPORTING YEAR (SAIDI)**
57.93
11. **CIRCUIT 5 YEAR AVERAGE (SAIFI)**
0.22
12. **REPORTING YEAR (SAIFI)**
1.26
13. **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
None taken or to be taken. One outage caused circuit to break criteria

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #6

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)

23.2

6. CUSTOMER COUNT FOR THIS CIRCUIT

417

7. DATE OF LAST CIRCUIT TRIM (VM)

2014

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

Unknown	73.67%
Equipment	26.17%
Public	0.16%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

0

10. REPORTING YEAR (SAIDI)

28.72

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0

12. REPORTING YEAR (SAIFI)

0.25

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

None - New Circuit - Reforeed of existing line

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CIRCUIT #7

1. SUBSTATION NAME AND NUMBER

Parkway (7)

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

Barren County - Hwy 31E - Glasgow, KY

3. CIRCUIT NAME AND NUMBER

Idea Park (1)

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

Glasgow, KY - Idea Industrial Park - South of Glasgow, KY

5. TOTAL CIRCUIT MILES (MILES)

1.3

6. CUSTOMER COUNT FOR THIS CIRCUIT

9

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	44.9%
Equipment	33.7%
Tree - Off RW	18.4%
Animal	3.0%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

55.8

10. REPORTING YEAR (SAIDI)

156.3

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.4

12. REPORTING YEAR (SAIFI)

2.1

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

None, very short industrial circuit

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CIRCUIT #8

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)**
20.1
6. **CUSTOMER COUNT FOR THIS CIRCUIT**
397
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	90.36%
Tree - On RW	6.02%
Planned	3.51%
9. **CIRCUIT 5 YEAR AVERAGE (SAIDI)**
70.13
10. **REPORTING YEAR (SAIDI)**
155.05
11. **CIRCUIT 5 YEAR AVERAGE (SAIFI)**
0.88
12. **REPORTING YEAR (SAIFI)**
1.19
13. **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
None taken or to be taken. One outage caused circuit to break criteria

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #9

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**
JL French - Industrial (1)
4. **CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)**
Glasgow - Idea Park - JL French
5. **TOTAL CIRCUIT MILES (MILES)**
0.9
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**

Equipment	100.0%
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9. **CIRCUIT 5 YEAR AVERAGE (SAIDI)**
14.0
10. **REPORTING YEAR (SAIDI)**
36.16
11. **CIRCUIT 5 YEAR AVERAGE (SAIFI)**
0.25
12. **REPORTING YEAR (SAIFI)**
0.86
13. **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
None taken or to be taken. Only one outage

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #10

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

Uno (2)

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

Uno, KY - Hwy 31E - Uno, Bunnell Crossing

5. TOTAL CIRCUIT MILES (MILES)

113.2

6. CUSTOMER COUNT FOR THIS CIRCUIT

745

7. DATE OF LAST CIRCUIT TRIM (VM)

2012

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

Equipment	53.1%
Weather	43.8%
Planned	1.8%
Animal	0.7%
Unknown	0.3%
Installaion Fault	0.1%
Tree - On RW	0.1%
Public	0.0%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

207.44

10. REPORTING YEAR (SAIDI)

242.53

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

2.06

12. REPORTING YEAR (SAIFI)

1.6

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

All taps on 3 phase will be fused in 2015

Sectionalizing study will be performed and implemented in 2015

Numerous lightning arrestors will be added to line in 2015

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #11

- 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)**
50.7
- 6 **CUSTOMER COUNT FOR THIS CIRCUIT**
403
- 7 **DATE OF LAST CIRCUIT TRIM (VM)**
2012
- 8 **LIST OUTAGE FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE**

Overload	86.6%
Planned	8.3%
Tree - Off RW	3.4%
Weather	1.0%
Public	0.4%
Equipment	0.2%
Unknown	0.1%
- 9 **CIRCUIT 5 YEAR AVERAGE (SAIDI)**
118.57
- 10 **REPORTING YEAR (SAIDI)**
314.66
- 11 **CIRCUIT 5 YEAR AVERAGE (SAIFI)**
1.10
- 12 **REPORTING YEAR (SAIFI)**
2.75
- 13 **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
There were 2 stepdowns burnt up during extreme cold. Increased size of stepdowns.

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #12

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

Lecta (1)

4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

Glasgow, KY - Hy 68-80 - Lecta

5 TOTAL CIRCUIT MILES (MILES)

37.8

6 CUSTOMER COUNT FOR THIS CIRCUIT

441

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	82.3%
Tree - On RW	8.7%
Tree - Off RW	5.6%
Public	1.7%
Planned	1.2%
Overload	0.3%
Equipment	0.1%
Animal	0.0%

9 CIRCUIT 5 YEAR AVERAGE (SAIDI)

153.61

10 REPORTING YEAR (SAIDI)

250.94

11 CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.95

12 REPORTING YEAR (SAIFI)

3.24

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

None taken or to be taken One outage caused circuit to break criteria

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #13

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)

58.2

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

Public	79.48%
R/W contractor	9.45%
Weather	6.83%
Unknown	1.16%
Animal	1.04%
Planned	1.03%
Tree - On RW	0.70%
Equipment	0.22%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

72.75

10. REPORTING YEAR (SAIDI)

112.75

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.59

12. REPORTING YEAR (SAIFI)

1.33

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

None taken or to be taken. One outage caused circuit to break criteria

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #14

- 1 SUBSTATION NAME AND NUMBER**
Edmonton Industrial (13)
- 2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)**
Metcalfe County - Industrial Dr - Edmonton, KY
- 3 CIRCUIT NAME AND NUMBER**
SEWS (3)
- 4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)**
Edmonton, KY - Industrial Drive - Edmonton Industrial Park
- 5 TOTAL CIRCUIT MILES (MILES)**
0 2
- 6 CUSTOMER COUNT FOR THIS CIRCUIT**
1
- 7 DATE OF LAST CIRCUIT TRIM (VM)**
2010
- 8 LIST OUTAGE FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE**

Planned	100 0%
---------	--------
- 9 CIRCUIT 5 YEAR AVERAGE (SAIDI)**
52 8
- 10 REPORTING YEAR (SAIDI)**
89 5
- 11 CIRCUIT 5 YEAR AVERAGE (SAIFI)**
0 17
- 12 REPORTING YEAR (SAIFI)**
0 5
- 13 LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
One planned outage

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #15

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**
Beckton (2)
4. **CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)**
Glasgow, KY - Hwy 685 - Beckton
5. **TOTAL CIRCUIT MILES (MILES)**
25.1
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**
Tree off- RW 100.0%
9. **CIRCUIT 5 YEAR AVERAGE (SAIDI)**
0.00
10. **REPORTING YEAR (SAIDI)**
80.8
11. **CIRCUIT 5 YEAR AVERAGE (SAIFI)**
0.00
12. **REPORTING YEAR (SAIFI)**
1.32
13. **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
One outage - Off R/W tree

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #16

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)

53.2

6. CUSTOMER COUNT FOR THIS CIRCUIT

408

7. DATE OF LAST CIRCUIT TRIM (VM)

2014

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

Public	33.15%
Equipment	31.82%
Unknown	21.75%
weather	8.49%
Installation	2.00%
Planned	1.26%
Tree - On RW	1.23%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

2.13

10. REPORTING YEAR (SAIDI)

24.04

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.03

12. REPORTING YEAR (SAIFI)

0.33

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

New substation brought online in 2013 atill establishing average

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #17

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**
Merry Oaks (4)
4. **CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)**
Merry Oaks - Hwy 68-80
5. **TOTAL CIRCUIT MILES (MILES)**
23.9
6. **CUSTOMER COUNT FOR THIS CIRCUIT**
279
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	68.5%
Weather	25.1%
Equipment	6.4%
9. **CIRCUIT 5 YEAR AVERAGE (SAIDI)**
0.00
10. **REPORTING YEAR (SAIDI)**
6.04
11. **CIRCUIT 5 YEAR AVERAGE (SAIFI)**
0.00
12. **REPORTING YEAR (SAIFI)**
0.04
13. **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**
New substation brought online in 2013 atill establishing average

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #18

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)

54.6

6. CUSTOMER COUNT FOR THIS CIRCUIT

380

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 - Off RW	62.7%
Weather	30.8%
Equipment	6.1%
Tree - On RW	0.3%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

0.00

10. REPORTING YEAR (SAIDI)

182.62

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.00

12. REPORTING YEAR (SAIFI)

1.01

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

New substation brought online in 2014 atill establishing average

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #19

1. SUBSTATION NAME AND NUMBER

Jonesville

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)

100.3

6. CUSTOMER COUNT FOR THIS CIRCUIT

611

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 - Off RW	86.6%
Weather	11.3%
Unknown	2.2%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

0.00

10. REPORTING YEAR (SAIDI)

113.09

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.00

12. REPORTING YEAR (SAIFI)

1.36

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

New substation brought online in 2014 atill establishing average

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 2015

Farmers RECC will be committed to its members by providing safe reliable electricity. For 2015 we have contracted with Environmental Consultants Inc. (ECI) to help oversee and manage our Right-Of-Way program.

In 2015 we have started work on work on five circuits. We have contracted with A&G Tree Service to clear the following circuits.

- Beckton – Rocky Hill / State Park has 112 miles of line.
- Munfordville – Seymour has 113 miles of line.
- Parkway – Haywood has 47 miles of line.
- Beckton – Red Cross (Railton) has 76 miles of line.
- Galloway – Edmonton has 53 miles of line.

Total Miles = 401

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

We have contracted with Sage for Herbicide spraying that will include several miles of line which will include the following circuits.

- Munfordville – Jonesville has 175 miles of line.
- Cave City – Bearwallow has 61 miles of line.
- West Glasgow – Bowling Green Road has 32 miles of line.

Total Miles = 268

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

Circuit comparison based on 2 years of history instead of 5. 5 years of data not available in the OMS.