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MAY 01 2017

# PUBLIC SERVICE COMMISSION

Kentucky Utilities Company

State Regulation and Rates 220 West Main Street PO Box 32010 Louisville, Kentucky 40232 www.lge-ku.com

Rick E. Lovekamp Manager – Regulatory Affairs/Tariffs T 502-627-3780 F 502-627-3213 rick.lovekamp@lge-ku.com

Dr. Talina R. Mathews Executive Director Kentucky Public Service Commission 211 Sower Boulevard Frankfort, Kentucky 40601

May 1, 2017

RE: <u>An Investigation of the Reliability Measures of Kentucky's</u>
<u>Jurisdictional Electric Distribution Utilities</u>
Administrative Case No. 2011-00450

Dear Dr. Mathews:

Enclosed please find Kentucky Utilities Company's ("KU") 2016 Annual Reliability Report pursuant to the Commission's Order dated April 1, 2014 in the above referenced matter. Also enclosed is a CD which includes the 2016 Annual Reliability Report for KU in Excel format.

Should you have any questions concerning the enclosed, please contact me at your convenience.

Sincerely,

Rick E. Lovekamp

2. Louband

# **KENTUCKY PUBLIC SERVICE COMMISSION**

# **ELECTRIC DISTRIBUTION UTILITY ANNUAL RELIABILITY REPORT**

### **SECTION 1: CONTACT INFORMATION**

**UTILITY NAME** 

KENTUCKY UTILITIES COMPANY

REPORT PREPARD BY

Denise Simon (Dir. Dist Reliability, Analytics, & Admin)

E-MAIL ADDRESS OF PREPARER

denise.simon@lge-ku.com

PHONE NUMBER OF PREPARER

(502) 627-3035

#### **SECTION 2: REPORTING YEAR**

CALENDAR YEAR OF REPORT

2016

# **SECTION 3: MAJOR EVENT DAYS (MED)**

T<sub>MED</sub>

4.836

FIRST DATE USED TO DETERMINE  $T_{\text{MED}}$  LAST DATE USED TO DETERMINE  $T_{\text{MED}}$ 

1/1/2011 12/31/2015

NUMBER OF MED IN REPORTING 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 RELIABILTIY INFORMATION AND RESULTS**

# **System-wide Information**

TOTAL CUSTOMERS 530,529

**TOTAL CIRCUITS** 

1056

#### **Excluding MED**

5	Y	ΈA	R	A١	<b>VER</b>	AGE
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SAIDI 87.17 SAIFI 0.823 
 REPORTING YEAR

 SAIDI
 99.40

 SAIFI
 0.858

#### **Including MED**

## **5 YEAR AVERAGE**

5AIDI 124.3 SAIFI 0.941

REPORTING YEAR

SAIDI 106.18

SAIFI 0.882

#### 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  $T_{\text{MED}}$

#### **SECTION 5: CIRCUIT REPORTING**

**BEGIN ON NEXT PAGE** 

1.) SUBSTATION NAME AND NUMBER	LEXINGTON PLANT
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	<b>√</b> Fayette - 745 N Limestone - Lexington
3.) CIRCUIT NAME AND NUMBER	0006
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - N. Limestone St. SW of Station
5.) TOTAL CIRCUIT LENGTH (MILES)	2.5
6.) CUSTOMER COUNT FOR THIS CIRCUIT	363
7.) DATE OF LAST CIRCUIT TRIM (VM)	09/30/2014
8.) 2016 OUTAGES BY CAUSE	
Animal	· 0.0%
Construction-	0.0%
Lightning-	0.0%
Non-Company-	10.3%
Other/Unknown-	15.3%
Overload-	7.2%
Planned Work-	67.3%
Trees-	0.0%
Utility Equipment-	0.0%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	16.37
10.) <b>2016 SAIDI</b>	47.80
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.25
12.) <b>2016 SAIFI</b>	0.57
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN
•	

1.) SUBSTATION NAME AND NUMBER AMERICAN AVENUE 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Fayette - 96 Burley Ave. - Lexington 3.) CIRCUIT NAME AND NUMBER 0008 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Lexington - University Dr. - University of Kentucky Campus 5.) TOTAL CIRCUIT LENGTH (MILES) 5.1 6.) CUSTOMER COUNT FOR THIS CIRCUIT 686 7.) DATE OF LAST CIRCUIT TRIM (VM) 10/10/2015 8.) 2016 OUTAGES BY CAUSE Animal- 5.4% Construction- 0.0% Lightning- 0.0% Non-Company- 0.0% Other/Unknown- 4.3% Overload- 0.0% Planned Work- 65.4% Trees- 0.0% Utility Equipment- 24.9% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 38.39 10.) 2016 SAIDI 29.44 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.33 12.) 2016 SAIFI 0.40 13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER AMERICAN AVENUE 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Fayette - 96 Burley Ave. - Lexington 3.) CIRCUIT NAME AND NUMBER 0009 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Lexington - Nicholasville Rd. - S of Station 5.) TOTAL CIRCUIT LENGTH (MILES) 7.0 6.) CUSTOMER COUNT FOR THIS CIRCUIT 878 7.) DATE OF LAST CIRCUIT TRIM (VM) 10/10/2015 8.) 2016 OUTAGES BY CAUSE Animal- 1.4% Construction- 0.0% Lightning- 0.0% Non-Company- 0.0% Other/Unknown- 11.2% Overload- 0.0% Planned Work- 54.9% Trees- 25.9% Utility Equipment- 6.6% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 50.03 10.) **2016 SAIDI** 167.81 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.52 12.) 2016 SAIFI 2.10 13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER	LEXINGTON WATER COMPANY 4KV
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Fayette - 2300 Richmond Rd Lexington
3.) CIRCUIT NAME AND NUMBER	0011
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - Richmond Rd and Holiday Rd - NW of Station
5.) TOTAL CIRCUIT LENGTH (MILES)	3.4
6.) CUSTOMER COUNT FOR THIS CIRCUIT	152
7.) DATE OF LAST CIRCUIT TRIM (VM)	12/19/2009
8.) 2016 OUTAGES BY CAUSE	
Animal-	4.8%
Construction-	0.0%
Lightning-	0.0%
Non-Company-	0.0%
Other/Unknown-	56.2%
Overload-	0.0%
Planned Work-	32.0%
Trees-	6.9%
Utility Equipment-	0.0%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	13.92
10.) <b>2016 SAIDI</b>	25.49
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.11
12.) <b>2016 SAIFI</b>	0.24
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER	SCOTT STREET
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Fayette - 301 Scott St Lexington
3.) CIRCUIT NAME AND NUMBER	0017
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexingotn - Broadway Rd SE of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	5.0
6.) CUSTOMER COUNT FOR THIS CIRCUIT	988
7.) DATE OF LAST CIRCUIT TRIM (VM)	11/20/2010
8.) 2016 OUTAGES BY CAUSE	
Animal-	0.0%
Construction-	0.0%
Lightning-	0.0%
Non-Company-	0.0%
Other/Unknown-	19.3%
Overload-	0.0%
Planned Work-	80.7%
Trees-	0.0%
Utility Equipment-	0.0%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	2.65
10.) <b>2016 SAIDI</b>	3.53
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.21
12.) <b>2016 SAIFI</b>	0.02
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN
Continue to Monitor	

1.) SUBSTATION NAME AND NUMBER	SCOTT STREET		
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Fayette - 301 Scott St Lexington		
3.) CIRCUIT NAME AND NUMBER	0018		
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - Limestone St SE of Substation		
5.) TOTAL CIRCUIT LENGTH (MILES)	3.3		
6.) CUSTOMER COUNT FOR THIS CIRCUIT	734		
7.) DATE OF LAST CIRCUIT TRIM (VM)	11/21/2010		
8.) 2016 OUTAGES BY CAUSE			
Animal-	0.0%		
Construction- 0.0%			
Lightning-	0.0%		
Non-Company- 0.0%			
Other/Unknown-	25.3%		
Overload-	0.0%		
Planned Work-	0.1%		
Trees-	0.0%		
Utility Equipment-	0.0%		
Vehicle-	74.6%		
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	10.80		
10.) <b>2016 SAIDI</b>	25.76		
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.07		
12.) <b>2016 SAIFI</b>	0.08		
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN			

1.) SUBSTATION NAME AND NUMBER	KUNKEL
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Fayette - 2000 Versailles Rd Lexington
3.) CIRCUIT NAME AND NUMBER	0019
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - Versailles Rd NE of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	2.0
6.) CUSTOMER COUNT FOR THIS CIRCUIT	175
7.) DATE OF LAST CIRCUIT TRIM (VM)	12/02/2015
8.) 2016 OUTAGES BY CAUSE	
Animal-	0.0%
Construction-	0.0%
Lightning-	4.2%
Non-Company-	0.0%
Other/Unknown-	35.1%
Overload-	0.0%
Planned Work-	8.9%
Trees-	51.8%
Utility Equipment-	0.0%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	21.72
10.) <b>2016 SAIDI</b>	66.33
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.19
12.) <b>2016 SAIFI</b>	0.53
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

VINE STREET 4KV
Fayette - 112 E Vine St Lexington
0021
Lexington - Vines St & Rose St - S of StSubstationation
1.8
649
10/18/2014
0.0%
0.0%
0.0%
0.0%
99.1%
0.0%
0.7%
0.2%
0.0%
0.0%
38.10
74.78
0.42
1.12
TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER LANSDOWNE SWITCHING 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Fayette - 3200 Montavesta Rd. - Lexington 3.) CIRCUIT NAME AND NUMBER 0024 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Lexington - Old Mt. Tabor Rd & Turkeyfoot Rd. - N of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 30.6 6.) CUSTOMER COUNT FOR THIS CIRCUIT 2,509 7.) DATE OF LAST CIRCUIT TRIM (VM) 04/07/2015 8.) 2016 OUTAGES BY CAUSE Animal- 0.5% Construction- 0.0% Lightning- 8.4% Non-Company- 0.0% Other/Unknown- 1.2% Overload- 0.0% Planned Work- 1.2% Trees- 75.0% Utility Equipment- 13.8% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 85.37 10.) 2016 SAIDI 255.97 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.63 12.) 2016 SAIFI 1.43 13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER JOYLAND 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Fayette - 2375 Paris Pike - Lexington 3.) CIRCUIT NAME AND NUMBER 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Lexington - Beverly Ave. & Bryan Station Rd. - SW of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 27.7 6.) CUSTOMER COUNT FOR THIS CIRCUIT 1,696 7.) DATE OF LAST CIRCUIT TRIM (VM) 05/03/2014 8.) 2016 OUTAGES BY CAUSE Animal- 18.1% Construction- 0.0% Lightning- 13.2% Non-Company- 9.3% Other/Unknown- 24.3% Overload- 5.2% Planned Work- 0.4% Trees- 4.4% Utility Equipment- 25.2% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 50.60 10.) 2016 SAIDI 40.84 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.46 12.) 2016 SAIFI 0.57

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

1.) SUBSTATION NAME AND NUMBER KUNKEL 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Fayette - 2000 Versailles Rd. - Lexington 3.) CIRCUIT NAME AND NUMBER 0026 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Lexington - Duntreath Dr. & Pine Mt. Rd. - SE of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 4.7 6.) CUSTOMER COUNT FOR THIS CIRCUIT 572 7.) DATE OF LAST CIRCUIT TRIM (VM) 12/12/2015 8.) 2016 OUTAGES BY CAUSE Animal- 0.0% Construction- 0.0% Lightning- 0.0% Non-Company- 0.0% Other/Unknown- 0.0% Overload- 0.0% Planned Work- 0.3% Trees- 97.4% Utility Equipment- 2.3% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 37.18 10.) 2016 SAIDI 103.99 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.20 12.) 2016 SAIFI 0.20 13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

TAKEN ON TO BE TAKEN

2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Fayette - 420 Corral St - Lexington 3.) CIRCUIT NAME AND NUMBER 0030 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Lexington - Midland Ave. & Winchester Rd. - E of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 4.8 6.) CUSTOMER COUNT FOR THIS CIRCUIT 783 7.) DATE OF LAST CIRCUIT TRIM (VM) 06/15/2013 8.) 2016 OUTAGES BY CAUSE Animal- 0.0% Construction- 0.0% Lightning- 0.0% Non-Company- 0.0% Other/Unknown- 9.8% Overload- 0.0% Planned Work- 9.9% Trees- 5.3% Utility Equipment- 10.5% Vehicle- 64.5% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 50.80 10.) **2016 SAIDI** 93.13 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.43 12.) 2016 SAIFI 1.29 13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

RACE STREET 4KV

1.) SUBSTATION NAME AND NUMBER

1.) SUBSTATION NAME AND NUMBER	RACE STREET 4KV	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Fayette - 420 Corral St - Lexington	
3.) CIRCUIT NAME AND NUMBER	0031	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - Corral St. & MLK Blvd NE of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	2.8	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	446	
7.) DATE OF LAST CIRCUIT TRIM (VM)	03/01/2014	
8.) 2016 OUTAGES BY CAUSE		
Animal	0.0%	
Construction-	6.8%	
Lightning-	88.3%	
Non-Company-	0.0%	
Other/Unknown-	0.0%	
Overload-	0.0%	
Planned Work-	0.0%	
Trees-	0.0%	
Utility Equipment-	4.9%	
Vehicle-	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	9.97	
10.) <b>2016 SAIDI</b>	10.62	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.17	
12.) <b>2016 SAIFI</b>	0.18	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

LANSDOWNE SWITCHING 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Fayette - 3200 Montavesta Rd. - Lexington 3.) CIRCUIT NAME AND NUMBER 0033 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Lexington - Pepperhill Dr & Claiborne Way - S of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 17.7 6.) CUSTOMER COUNT FOR THIS CIRCUIT 2,506 7.) DATE OF LAST CIRCUIT TRIM (VM) 11/02/2012 8.) 2016 OUTAGES BY CAUSE Animal- 78.2% Construction- 0.0% Lightning- 19.0% Non-Company- 0.0% Other/Unknown- 0.0% Overload- 0.0% Planned Work- 1.7% Trees- 0.1% Utility Equipment- 0.9% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 49.67 10.) **2016 SAIDI** 138.56 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.47 12.) 2016 SAIFI 1.41 13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER

1.) SUBSTATION NAME AND NUMBER	SCOTT STREET			
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	<b>V</b> Fayette - 301 Scott St Lexington			
3.) CIRCUIT NAME AND NUMBER	0034			
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - Upper St N of Substation			
5.) TOTAL CIRCUIT LENGTH (MILES)	0.0			
6.) CUSTOMER COUNT FOR THIS CIRCUIT	266			
7.) DATE OF LAST CIRCUIT TRIM (VM)	11/22/2010			
8.) 2016 OUTAGES BY CAUSE				
Animal- 0.0%				
Construction-	0.0%			
Lightning- 0.0%				
Non-Company- 0.0%				
Other/Unknown- 4.9%				
Overload- 0.0%				
Planned Work- 95.1%				
Trees-	0.0%			
Utility Equipment-	0.0%			
Vehicle-	0.0%			
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	10.87			
10.) <b>2016 SAIDI</b> 54.04				
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.20				
12.) <b>2016 SAIFI</b> 0.99				
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN				

1.) SUBSTATION NAME AND NUMBER SCOTT STREET 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Fayette - 301 Scott St. - Lexington 3.) CIRCUIT NAME AND NUMBER 0035 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Lexington - Sellers Alley & Simpson Ave. - S of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 0.0 6.) CUSTOMER COUNT FOR THIS CIRCUIT 422 7.) DATE OF LAST CIRCUIT TRIM (VM) 11/23/2010 8.) 2016 OUTAGES BY CAUSE Animal- 0.0% Construction- 0.0% Lightning- 0.0% Non-Company- 0.0% Other/Unknown- 0.0% Overload- 0.0% Planned Work- 42.4% Trees- 0.0% Utility Equipment- 57.6% Vehicle- 0.0% 9 ) CIRCUIT E VEAR AVERACE (CAIRIL

9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	38.54
10.)	2016 SAIDI	160.87
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.58
12.)	2016 SAIFI	2.03

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

1.) SUBSTATION NAME AND NUMBER	BELT LINE
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	<b>N</b> Fayette - 1090 W. New Circle Rd - Lexington
3.) CIRCUIT NAME AND NUMBER	0036
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - Georgetown St. & Briarwood Dr NW of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	7.1
6.) CUSTOMER COUNT FOR THIS CIRCUIT	563
7.) DATE OF LAST CIRCUIT TRIM (VM)	09/01/2007
8.) 2016 OUTAGES BY CAUSE	
Animal	- 0.0%
Construction-	- 11.0%
Lightning-	- 84.6%
Non-Company-	- 0.0%
Other/Unknown-	0.0%
Overload-	0.0%
Planned Work-	3.7%
Trees-	0.0%
Utility Equipment-	0.7%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	44.48
10.) <b>2016 SAIDI</b>	61.87
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.37
12.) <b>2016 SAIFI</b>	0.54
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER **HUGHES LANE** 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Fayette - 251 Hughes Ln. - Lexington 3.) CIRCUIT NAME AND NUMBER 0037 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Lexington - Mir Station Rd. & US 27 - SW of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 136.0 6.) CUSTOMER COUNT FOR THIS CIRCUIT 1,081 7.) DATE OF LAST CIRCUIT TRIM (VM) 04/10/2015 8.) 2016 OUTAGES BY CAUSE Animal- 1.0% Construction- 2.8% Lightning- 1.6% Non-Company- 3.7% Other/Unknown- 3.5% Overload- 0.0% Planned Work- 0.4% Trees- 78.0% Utility Equipment- 7.7%

9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	144.00
10.)	2016 SAIDI	152.72
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.75
12.)	2016 SAIFI	0.81

Vehicle- 1.2%

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

1.) SUBSTATION NAME AND NUMBER	REYNOLDS	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Fayette - 200 W. Reynold Rd Lexington	
3.) CIRCUIT NAME AND NUMBER	0044	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - Nicholasville Rd E of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	14.3	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	1,610	
7.) DATE OF LAST CIRCUIT TRIM (VM)	08/10/2013	
8.) 2016 OUTAGES BY CAUSE		
Animal-	0.0%	
Construction-	0.0%	
Lightning-	36.7%	
Non-Company-	16.8%	
Other/Unknown-	0.8%	
Overload-	0.0%	
Planned Work-	1.1%	
Trees-	44.3%	
Utility Equipment-	0.4%	
Vehicle-	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	128.36	
10.) <b>2016 SAIDI</b>	262.17	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.43	
12.) <b>2016 SAIFI</b>	2.61	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

Reliability Improvements Completed in 2016

	.) SUBSTATION NAME AND NUMBER	HALEY
	2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Fayette - 5481 Winchester Rd - Lexington
3	3.) CIRCUIT NAME AND NUMBER	0045
4	.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - Winchester & Cleaveland Rd - W of Substation
į	i.) TOTAL CIRCUIT LENGTH (MILES)	88.8
6	i.) CUSTOMER COUNT FOR THIS CIRCUIT	1,044
7	.) DATE OF LAST CIRCUIT TRIM (VM)	08/29/2015
8	.) 2016 OUTAGES BY CAUSE	
	Animal-	0.6%
	Construction-	2.1%
	Lightning-	35.5%
	Non-Company-	0.1%
	Other/Unknown-	2.2%
	Overload-	0.0%
	Planned Work-	0.1%
	Trees-	43.4%
	Utility Equipment-	0.7%
	Vehicle-	15.3%
9	) CIRCUIT 5 YEAR AVERAGE (SAIDI)	277.16
10	) 2016 SAIDI	488.21
11	) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.52
12	) 2016 SAIFI	3.79

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

1.) SUBSTATION NAME AND NUMBER	HALEY
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Fayette - 5481 Winchester Rd - Lexington
3.) CIRCUIT NAME AND NUMBER	0046
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - Winchester & Haley Rd - W of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	45.1
6.) CUSTOMER COUNT FOR THIS CIRCUIT	377
7.) DATE OF LAST CIRCUIT TRIM (VM)	10/31/2015
8.) 2016 OUTAGES BY CAUSE	
Animal-	0.1%
Construction-	0.0%
Lightning-	37.8%
Non-Company-	0.0%
Other/Unknown-	3.7%
Overload-	0.0%
Planned Work-	3.3%
Trees-	42.8%
Utility Equipment-	0.1%
Vehicle-	12.2%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	202.93
10.) <b>2016 SAIDI</b>	283.76
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.31
12.) <b>2016 SAIFI</b>	1.70
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER JOYLAND 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Fayette - 2375 Paris Pike - Lexington 3.) CIRCUIT NAME AND NUMBER 0047 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Lexington - US 27 & 68 - NE of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 17.2 6.) CUSTOMER COUNT FOR THIS CIRCUIT 233 7.) DATE OF LAST CIRCUIT TRIM (VM) 08/23/2014 8.) 2016 OUTAGES BY CAUSE Animal- 0.3% Construction- 0.0% Lightning- 0.0% Non-Company- 0.0% Other/Unknown- 0.0% Overload- 0.0% Planned Work- 0.0% Trees- 34.6% Utility Equipment- 65.0% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 85.83 10.) **2016 SAIDI** 147.51 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.78 12.) 2016 SAIFI 0.42 13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Fayette - 448 S Ashland Ave Lexington 3.) CIRCUIT NAME AND NUMBER 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) 5.) TOTAL CIRCUIT LENGTH (MILES) 6.) CUSTOMER COUNT FOR THIS CIRCUIT 839 7.) DATE OF LAST CIRCUIT TRIM (VM) 7.) DATE OF LAST CIRCUIT TRIM (VM) 8.) 2016 OUTAGES BY CAUSE  Animal- 0.0%  Construction- 1.2%  Lightning- 0.0%  Non-Company- 0.0%  Other/Unknown- 0.7%  Overload- 2.2%  Planned Work- 92.6%  Trees- 2.6%  Utility Equipment- 0.7%  Vehicle- 0.0%  9.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 10.) 2016 SAIDI 294.32 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.40 12.) 2016 SAIFI				
3.) CIRCUIT NAME AND NUMBER 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) 5.) TOTAL CIRCUIT LENGTH (MILES) 6.) CUSTOMER COUNT FOR THIS CIRCUIT 839 7.) DATE OF LAST CIRCUIT TRIM (VM) 8.) 2016 OUTAGES BY CAUSE  Animal- 0.0% Construction- 1.2% Lightning- 0.0% Non-Company- 0.0% Other/Unknown- 0.7% Overload- 2.2% Planned Work- 92.6% Trees- 2.6% Utility Equipment- 0.7% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 10.) 2016 SAIDI 294.32 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.40	1.) SUBSTATION NAME AND NUMBER	ASHLAND AVENUE		
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)  Lexington - Euclid Ave NW of Substation  5.) TOTAL CIRCUIT LENGTH (MILES)  3.1  6.) CUSTOMER COUNT FOR THIS CIRCUIT  839  7.) DATE OF LAST CIRCUIT TRIM (VM)  01/19/2013  8.) 2016 OUTAGES BY CAUSE  Animal- 0.0%  Construction- 1.2%  Lightning- 0.0%  Non-Company- 0.0%  Other/Unknown- 0.7%  Overload- 2.2%  Planned Work- 92.6%  Trees- 2.6%  Utility Equipment- 0.7%  Vehicle- 0.0%  9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)  67.91  10.) 2016 SAIDI  294.32  11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)  0.40	2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Fayette - 448 S Ashland Ave Lexington		
5.) TOTAL CIRCUIT LENGTH (MILES) 3.1 6.) CUSTOMER COUNT FOR THIS CIRCUIT 839 7.) DATE OF LAST CIRCUIT TRIM (VM) 01/19/2013 8.) 2016 OUTAGES BY CAUSE  Animal- 0.0%  Construction- 1.2%  Lightning- 0.0%  Non-Company- 0.0%  Other/Unknown- 0.7%  Overload- 2.2%  Planned Work- 92.6%  Trees- 2.6%  Utility Equipment- 0.7%  Vehicle- 0.0%  9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 67.91 10.) 2016 SAIDI 294.32 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.40	3.) CIRCUIT NAME AND NUMBER	0049		
6.) CUSTOMER COUNT FOR THIS CIRCUIT  7.) DATE OF LAST CIRCUIT TRIM (VM)  839  8.) 2016 OUTAGES BY CAUSE  Animal- 0.0%  Construction- 1.2%  Lightning- 0.0%  Non-Company- 0.0%  Other/Unknown- 0.7%  Overload- 2.2%  Planned Work- 92.6%  Trees- 2.6%  Utility Equipment- 0.7%  Vehicle- 0.0%  9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)  10.) 2016 SAIDI  294.32  11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)  0.40	4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - Euclid Ave NW of Substation		
7.) DATE OF LAST CIRCUIT TRIM (VM)  8.) 2016 OUTAGES BY CAUSE  Animal- 0.0%  Construction- 1.2%  Lightning- 0.0%  Non-Company- 0.0%  Other/Unknown- 0.7%  Overload- 2.2%  Planned Work- 92.6%  Trees- 2.6%  Utility Equipment- 0.7%  Vehicle- 0.0%  9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)  10.) 2016 SAIDI  294.32  11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)  0.40	5.) TOTAL CIRCUIT LENGTH (MILES)	3.1		
8.) 2016 OUTAGES BY CAUSE  Animal- 0.0%  Construction- 1.2%  Lightning- 0.0%  Non-Company- 0.0%  Other/Unknown- 0.7%  Overload- 2.2%  Planned Work- 92.6%  Trees- 2.6%  Utility Equipment- 0.7%  Vehicle- 0.0%  9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)  67.91  10.) 2016 SAIDI  294.32  11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)  0.40	6.) CUSTOMER COUNT FOR THIS CIRCUIT	839		
Animal- 0.0%  Construction- 1.2%  Lightning- 0.0%  Non-Company- 0.0%  Other/Unknown- 0.7%  Overload- 2.2%  Planned Work- 92.6%  Trees- 2.6%  Utility Equipment- 0.7%  Vehicle- 0.0%  9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)  10.) 2016 SAIDI  294.32  11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)  0.40	7.) DATE OF LAST CIRCUIT TRIM (VM)	01/19/2013		
Construction- 1.2%  Lightning- 0.0%  Non-Company- 0.0%  Other/Unknown- 0.7%  Overload- 2.2%  Planned Work- 92.6%  Trees- 2.6%  Utility Equipment- 0.7%  Vehicle- 0.0%  9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)  10.) 2016 SAIDI  294.32  11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)  0.40	8.) 2016 OUTAGES BY CAUSE			
Lightning- 0.0%  Non-Company- 0.0%  Other/Unknown- 0.7%  Overload- 2.2%  Planned Work- 92.6%  Trees- 2.6%  Utility Equipment- 0.7%  Vehicle- 0.0%  9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)  10.) 2016 SAIDI  1294.32  11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)  0.40	Animal-	0.0%		
Non-Company- 0.0%  Other/Unknown- 0.7%  Overload- 2.2%  Planned Work- 92.6%  Trees- 2.6%  Utility Equipment- 0.7%  Vehicle- 0.0%  9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)  10.) 2016 SAIDI  1294.32  11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)  0.40	Construction-	1.2%		
Other/Unknown- 0.7%  Overload- 2.2%  Planned Work- 92.6%  Trees- 2.6%  Utility Equipment- 0.7%  Vehicle- 0.0%  9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)  10.) 2016 SAIDI  294.32  11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)  0.40	Lightning-	0.0%		
Overload- 2.2%  Planned Work- 92.6%  Trees- 2.6%  Utility Equipment- 0.7%  Vehicle- 0.0%  9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)  10.) 2016 SAIDI  294.32  11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)  0.40	Non-Company-	0.0%		
Planned Work- 92.6%  Trees- 2.6%  Utility Equipment- 0.7%  Vehicle- 0.0%  9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)  10.) 2016 SAIDI  294.32  11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)  0.40	Other/Unknown- 0.7%			
Trees- 2.6%  Utility Equipment- 0.7%  Vehicle- 0.0%  9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)  10.) 2016 SAIDI  11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)  0.40	Overload- 2.2%			
Vehicle- 0.0%  9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)  10.) 2016 SAIDI  294.32  11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)  0.40	Planned Work- 92.6%			
Vehicle- 0.0%  9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)  10.) 2016 SAIDI  294.32  11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)  0.40	Trees-	2.6%		
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 67.91 10.) 2016 SAIDI 294.32 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.40	Utility Equipment-	0.7%		
10.) 2016 SAIDI 294.32 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.40	Vehicle-	0.0%		
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)  0.40	9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	67.91		
12)	10.) <b>2016 SAIDI</b>	294.32		
12.) 2016 SAIFI 1.60	11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.40		
	12.) <b>2016 SAIFI</b>	1.60		
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN		

1.) SUBSTATION NAME AND NUMBER WEST HIGH STREET 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Fayette - 727 West High St - Lexington 3.) CIRCUIT NAME AND NUMBER 0054 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Lexington - West High St & Broadway - S of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 4.1 6.) CUSTOMER COUNT FOR THIS CIRCUIT 745 7.) DATE OF LAST CIRCUIT TRIM (VM) 10/18/2014 8.) 2016 OUTAGES BY CAUSE Animal- 0.0% Construction- 0.0% Lightning- 0.0% Non-Company- 0.0% Other/Unknown- 1.0% Overload- 0.0% Planned Work- 0.8% Trees- 0.0% Utility Equipment- 0.5% Vehicle- 97.6% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 110.10 10.) 2016 SAIDI 352.65

12.) 2016 SAIFI13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)

Continue to Monitor

0.76

1.19

1.) SUBSTATION NAME AND NUMBER HAEFLING 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Fayette - 1555 Baunmann Dr - Lexington 3.) CIRCUIT NAME AND NUMBER 0055 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Lexington - Fairman Rd & Leestown Rd - S of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 16.2 6.) CUSTOMER COUNT FOR THIS CIRCUIT 1,191 7.) DATE OF LAST CIRCUIT TRIM (VM) 02/16/2013 8.) 2016 OUTAGES BY CAUSE Animal- 2.1% Construction- 0.0% Lightning- 22.0% Non-Company- 0.0% Other/Unknown- 25.4% Overload- 0.0% Planned Work- 28.1% Trees- 6.1% Utility Equipment- 16.3% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 69.58 10.) 2016 SAIDI 109.79 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.68

12.) 2016 SAIFI 13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

Continue to Monitor

0.96

1.) SUBSTATION NAME AND NUMBER	REYNOLDS	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	<b>V</b> Fayette - 200 W. Reynold Rd Lexington	
3.) CIRCUIT NAME AND NUMBER	0056	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - Lochness Dr. & New Circle Rd E of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	9.5	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	1,555	
7.) DATE OF LAST CIRCUIT TRIM (VM)	07/04/2015	
8.) 2016 OUTAGES BY CAUSE		
Animal	- 18.1%	
Construction	- 2.0%	
Lightning	- 64.4%	
Non-Company-	0.0%	
Other/Unknown-	0.4%	
Overload	0.0%	
Planned Work-	9.9%	
Trees-	1.5%	
Utility Equipment-	3.7%	
Vehicle-	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	21.79	
10.) <b>2016 SAIDI</b>	17.44	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.11	
12.) <b>2016 SAIFI</b>	0.13	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1.) SUBSTATION NAME AND NUMBER	IBM
2.) SUBSTATION LOCATION (COUNTY-F	ROAD-TOWN Fayette - 740 W New Circle Rd - Lexington
3.) CIRCUIT NAME AND NUMBER	0057
4.) CIRCUIT LOCATION (COUNTY-ROAD	-TOWN) Lexington - W Loudon Ave - SE of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	0.7
6.) CUSTOMER COUNT FOR THIS CIRCU	IT 7
7.) DATE OF LAST CIRCUIT TRIM (VM)	06/08/2013
8.) 2016 OUTAGES BY CAUSE	
	Animal- 0.0%
C	onstruction- 0.0%
	Lightning- 0.0%
No	n-Company- 0.0%
Other	r/Unknown- 0.0%
	Overload- 0.0%
Pla	nned Work- 0.0%
	Trees- 0.0%
Utility	Equipment- 100.0%
	Vehicle- 0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	21.86
10.) <b>2016 SAIDI</b>	109.29
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.20
12.) <b>2016 SAIFI</b>	1.00
13.) LIST OF CORRECTIVE ACTION, IF ANY	, TAKEN OR TO BE TAKEN

SUBSTATION NAME AND NUMBER
 SUBSTATION LOCATION (COUNTY-ROAD-TOWN Fayette - 1555 Baunmann Dr - Lexington on the county of the county

Animal- 0.1%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 1.4%

Overload- 0.0%

Planned Work- 0.2%

Trees- 59.7%

Utility Equipment- 38.6%

Vehicle- 0.0%

9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	127.84	
10.)	2016 SAIDI	99.91	
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.98	
12.)	2016 SAIFI	1.30	

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

1.) SUBSTATION NAME AND NUMBER	PROCTOR & GAMBLE
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Fayette - 120 Zesta PI - Lexington
3.) CIRCUIT NAME AND NUMBER	0066
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - Zesta PI - W of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	0.4
6.) CUSTOMER COUNT FOR THIS CIRCUIT	6
7.) DATE OF LAST CIRCUIT TRIM (VM)	08/23/2014
8.) 2016 OUTAGES BY CAUSE	
Animal-	0.0%
Construction-	0.0%
Lightning-	0.0%
Non-Company-	0.0%
Other/Unknown-	10.5%
Overload-	0.0%
Planned Work-	77.5%
Trees-	0.0%
Utility Equipment-	6.4%
Vehicle-	5.5%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	47.65
10.) <b>2016 SAIDI</b>	220.00
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.26
12.) <b>2016 SAIFI</b>	1.17
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER	PROCTOR & GAMBLE	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Fayette - 120 Zesta PI - Lexington	
3.) CIRCUIT NAME AND NUMBER	0068	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - Delware Rd - SE of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	3.3	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	384	
7.) DATE OF LAST CIRCUIT TRIM (VM)	08/23/2014	
8.) 2016 OUTAGES BY CAUSE		
Animal-	0.0%	
Construction-	0.0%	
Lightning-	0.0%	
Non-Company-	0.0%	
Other/Unknown-	12.9%	
Overload-	0.0%	
Planned Work-	65.8%	
Trees-	9.2%	
Utility Equipment-	11.0%	
Vehicle-	1.1%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	34.01	
10.) <b>2016 SAIDI</b>	65.72	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.18	
12.) <b>2016 SAIFI</b>	0.36	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1.) SUBSTATION NAME AND NUMBER	TRAFTON AVENUE 4KV
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Fayette - 141 Trafton St - Lexington
3.) CIRCUIT NAME AND NUMBER	0078
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - Versailles Rd - W of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	5.2
6.) CUSTOMER COUNT FOR THIS CIRCUIT	503
7.) DATE OF LAST CIRCUIT TRIM (VM)	05/05/2012
8.) 2016 OUTAGES BY CAUSE	
Animal-	0.0%
Construction-	0.0%
Lightning-	15.0%
Non-Company-	0.0%
Other/Unknown-	0.0%
Overload-	0.0%
Planned Work-	2.0%
Trees-	74.6%
Utility Equipment-	8.4%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	8.95
10.) <b>2016 SAIDI</b>	14.18
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.06
12.) <b>2016 SAIFI</b>	0.10
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER	PICADOME 4KV
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Fayette - 1620 Harrodsburg Rd - Lexington
3.) CIRCUIT NAME AND NUMBER	0080
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - Lafayette Pky - S of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	7.2
6.) CUSTOMER COUNT FOR THIS CIRCUIT	922
7.) DATE OF LAST CIRCUIT TRIM (VM)	05/07/2015
8.) 2016 OUTAGES BY CAUSE	
Animal-	65.0%
Construction-	0.0%
Lightning-	0.7%
Non-Company-	0.0%
Other/Unknown-	5.0%
Overload-	0.0%
Planned Work-	1.4%
Trees-	27.4%
Utility Equipment-	0.5%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	66.85
10.) <b>2016 SAIDI</b>	43.26
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.69
12.) <b>2016 SAIFI</b>	1.18
12 \	

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

1.)	SUBSTATION NAME AND NUMBER	PARKERS MILL
2.)	SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Fayette - 2085 Parkers Mill Rd - Lexington
3.)	CIRCUIT NAME AND NUMBER	0083
4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - Versailles Rd - W of Substation
5.)	TOTAL CIRCUIT LENGTH (MILES)	27.9
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	254
7.)	DATE OF LAST CIRCUIT TRIM (VM)	03/30/2012
8.)	2016 OUTAGES BY CAUSE	
	Animal-	0.5%
	Construction-	0.0%
	Lightning-	32.3%
	Non-Company-	0.0%
	Other/Unknown-	2.5%
	Overload-	0.1%
	Planned Work-	1.2%
	Trees-	29.4%
	Utility Equipment-	34.0%
	Vehicle-	0.0%
9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	100.20

٥.,	CINCOTT S TEAK AVERAGE (SAIDI)	190.20
10.)	2016 SAIDI	218.76
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.63
12.)	2016 SAIFI	2.22

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

1.) SUBSTATION NAME AND NUMBER	PROCTOR & GAMBLE
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Fayette - 120 Zesta Pl - Lexington
3.) CIRCUIT NAME AND NUMBER	0084
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - Magnolia Ave - NE of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	2.3
6.) CUSTOMER COUNT FOR THIS CIRCUIT	243
7.) DATE OF LAST CIRCUIT TRIM (VM)	08/23/2014
8.) 2016 OUTAGES BY CAUSE	
Animal-	0.0%
Construction-	0.0%
Lightning-	0.0%
Non-Company-	0.0%
Other/Unknown-	0.0%
Overload-	0.0%
Planned Work-	0.0%
Trees-	0.0%
Utility Equipment-	100.0%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	20.29
10.) <b>2016 SAIDI</b>	26.85
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.42
12.) <b>2016 SAIFI</b>	0.62
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER	HAEFLING
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Fayette - 1555 Baunmann Dr - Lexington
3.) CIRCUIT NAME AND NUMBER	0089
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - Baumann Dr - W of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	0.6
6.) CUSTOMER COUNT FOR THIS CIRCUIT	3
7.) DATE OF LAST CIRCUIT TRIM (VM)	11/01/2008
8.) 2016 OUTAGES BY CAUSE	
Animal-	0.0%
Construction-	0.0%
Lightning-	0.0%
Non-Company-	0.0%
Other/Unknown-	0.0%
Overload-	0.0%
Planned Work-	100.0%
Trees-	0.0%
Utility Equipment-	0.0%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	121.00
10.) <b>2016 SAIDI</b>	81.33

11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)

Continue to Monitor

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

12.) **2016 SAIFI** 

35

0.27

0.33

1.) SUBSTATION NAME AND NUMBER	LIBERTY ROAD	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	<b>V</b> Fayette - 2125 Liberty Rd Lexington	
3.) CIRCUIT NAME AND NUMBER	0092	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - New Circule Rd. & Winchester Rd E of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	12.7	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	802	
7.) DATE OF LAST CIRCUIT TRIM (VM)	11/15/2014	
8.) 2016 OUTAGES BY CAUSE		
Animal	- 1.4%	
Construction	- 0.0%	
Lightning	- 0.0%	
Non-Company-	- 0.0%	
Other/Unknown	76.8%	
Overload-	0.0%	
Planned Work-	0.6%	
Trees-	0.0%	
Utility Equipment-		
Vehicle-	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	34.12	
10.) <b>2016 SAIDI</b>	41.25	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.67	
12.) <b>2016 SAIFI</b>	1.13	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1.) SUBSTATION NAME AND NUMBER STONEWALL 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Fayette - 3060 Arrowhead Dr - Lexington 3.) CIRCUIT NAME AND NUMBER 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Lexington - W New Circle Rd & Harrodsburg Rd - NW of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 23.9 6.) CUSTOMER COUNT FOR THIS CIRCUIT 1,883 7.) DATE OF LAST CIRCUIT TRIM (VM) 09/10/2013 8.) 2016 OUTAGES BY CAUSE Animal- 52.3% Construction- 5.7% Lightning- 22.1% Non-Company- 0.0% Other/Unknown- 1.2% Overload- 0.0% Planned Work- 0.0% Trees- 0.7% Utility Equipment- 18.0% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 64.07 10.) 2016 SAIDI 61.83 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.71 12.) 2016 SAIFI 0.74

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

1.	SUBSTATION NAME AND NUMBER	STONEWALL		
2.	SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Fayette - 3060 Arrowhead Dr - Lexington		
3.	CIRCUIT NAME AND NUMBER	0098		
4.	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - Chelsea Dr & Clays Mill Dr - S of Substation		
5.)	TOTAL CIRCUIT LENGTH (MILES)	13.8		
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	1,127		
7.)	DATE OF LAST CIRCUIT TRIM (VM)	05/11/2013		
8.)	2016 OUTAGES BY CAUSE			
	Animal-	2.8%		
	Construction-	0.0%		
	Lightning-	0.0%		
	Non-Company-	y- 0.0%		
	Other/Unknown-	26.1%		
	Overload-	0.0%		
	Planned Work-	1.1%		
	Trees-	23.8%		
	Utility Equipment-	45.8%		
	Vehicle-	0.4%		
9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	62.51		
10.)	2016 SAIDI	83.79		
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.17		
12.)	2016 SAIFI	2.24		
13.)	LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN		

Substation		
Lightning- 0.5%		
Non-Company- 0.0%		
Other/Unknown- 1.6%		
Overload- 0.0%  Planned Work- 2.3%		
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1.) SUBSTATION NAME AND NUMBER DONERAIL 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Fayette - 4601 Old Iron Works Rd - Lexington 3.) CIRCUIT NAME AND NUMBER 0104 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Lexington - Georgetown Rd - N and S on Georgetown Rd from Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 31.7 6.) CUSTOMER COUNT FOR THIS CIRCUIT 401 7.) DATE OF LAST CIRCUIT TRIM (VM) 08/17/2013 8.) 2016 OUTAGES BY CAUSE Animal- 0.0% Construction- 0.0% Lightning- 3.4% Non-Company- 0.0% Other/Unknown- 4.2% Overload- 0.0% Planned Work- 0.1% Trees- 54.9% Utility Equipment- 37.3% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 132.13 10.) 2016 SAIDI 247.51 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.20 12.) 2016 SAIFI 0.98

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

1.) SUBSTATION NAME AND NUMBER	DONERAIL
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOW	<b>N</b> Fayette - 4601 Old Iron Works Rd - Lexington
3.) CIRCUIT NAME AND NUMBER	0105
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - Iron Works Rd - E of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	55.5
6.) CUSTOMER COUNT FOR THIS CIRCUIT	457
7.) DATE OF LAST CIRCUIT TRIM (VM)	04/13/2013
8.) 2016 OUTAGES BY CAUSE	
Animal	- 2.4%
Construction	- 0.0%
Lightning	- 13.0%
Non-Company	- 0.0%
Other/Unknown	- 3.4%
Overload	- 0.0%
Planned Work	- 1.2%
Trees	- 20.3%
Utility Equipment	5.4%
Vehicle-	54.3%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	374.74
10.) <b>2016 SAIDI</b>	807.67
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	2.29
12.) <b>2016 SAIFI</b>	4.32

1.) SUBSTATION NAME AND NUMBER	LANSDOWNE SWITCHING	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Fayette - 3200 Montavesta Rd Lexington		
3.) CIRCUIT NAME AND NUMBER	0106	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - Nicholasville Rd - W of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	19.9	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	2,093	
7.) DATE OF LAST CIRCUIT TRIM (VM)	09/01/2012	
8.) 2016 OUTAGES BY CAUSE		
Animal	0.2%	
Construction-	0.0%	
Lightning-	30.2%	
Non-Company-	0.0%	
Other/Unknown-	10.4%	
Overload	0.0%	
Planned Work-	2.2%	
Trees-	10.1%	
Utility Equipment-	46.9%	
Vehicle-	0.0%	

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	13!	5.75
10.) <b>2016 SAIDI</b>	42:	1.85
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	:	1.15
12.) <b>2016 SAIFI</b>		3.05

1.) SUBSTATION NAME AND NUMBER	STONEWALL
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOW	<b>N</b> Fayette - 3060 Arrowhead Dr - Lexington
3.) CIRCUIT NAME AND NUMBER	0108
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - Tomahawk Tr & Harrodsburg Rd - W of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	4.7
6.) CUSTOMER COUNT FOR THIS CIRCUIT	348
7.) DATE OF LAST CIRCUIT TRIM (VM)	02/23/2013
8.) 2016 OUTAGES BY CAUSE	
Animal	- 8.8%
Construction	- 0.0%
Lightning	- 48.3%
Non-Company	- 0.0%
Other/Unknown	- 4.0%
Overload	- 0.0%
Planned Work-	1.6%
Trees	- 0.0%
Utility Equipment-	37.4%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	28.58
10.) <b>2016 SAIDI</b>	43.50
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.25
12.) <b>2016 SAIFI</b>	0.38

1.) SUBSTATION NAME AND NUMBER	IBM	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	<b>N</b> Fayette - 740 W New Circle Rd - Lexington	
3.) CIRCUIT NAME AND NUMBER	0110	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - Russell Cave Rd - NE of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	22.3	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	2,067	
7.) DATE OF LAST CIRCUIT TRIM (VM)	06/08/2013	
8.) 2016 OUTAGES BY CAUSE		
Animal-	8.4%	
Construction- 0.0%		
Lightning- 0.5%		
Non-Company- 0.0%		
Other/Unknown- 3.9%		
Overload- 0.0%		
Planned Work- 0.4%		
Trees- 7.6%		
Utility Equipment-	71.7%	
Vehicle-	7.5%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	32.72	
10.) <b>2016 SAIDI</b>	49.89	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.63	
12.) <b>2016 SAIFI</b>	0.44	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1.) SUBSTATION NAME AND NUMBER	ASHLAND AVENUE		
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Fayette - 448 S Ashland Ave Lexington		
3.) CIRCUIT NAME AND NUMBER	0111		
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - Ashland Dr & Preston Ave E of Substation		
5.) TOTAL CIRCUIT LENGTH (MILES)	5.3		
6.) CUSTOMER COUNT FOR THIS CIRCUIT	977		
7.) DATE OF LAST CIRCUIT TRIM (VM)	05/09/2015		
8.) 2016 OUTAGES BY CAUSE			
Animal-	0.0%		
Construction-	0.0%		
Lightning-	g- 0.0%		
Non-Company-	0.0%		
Other/Unknown-	6.2%		
Overload-	- 0.0%		
Planned Work-	- 24.1%		
Trees-	- 6.7%		
Utility Equipment-	63.0%		
Vehicle-	0.0%		
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	62.18		
10.) <b>2016 SAIDI</b>	72.12		
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.65		
12.) <b>2016 SAIFI</b>	0.69		
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN		

45

1.)	SUBSTATION NAME AND NUMBER	PICADOME 12KV		
2.)	SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Fayette - 1620 Harrodsburg Rd - Lexington		
3.)	CIRCUIT NAME AND NUMBER	0112		
4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - Della Dr - W of Substation		
5.)	TOTAL CIRCUIT LENGTH (MILES)	11.5		
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	1,575		
7.)	DATE OF LAST CIRCUIT TRIM (VM)	06/12/2015		
8.)	2016 OUTAGES BY CAUSE			
	Animal-	0.1%		
	Construction-	0.0%		
	Lightning-	0.5%		
	Non-Company- 0.0%			
	Other/Unknown- 7.4%			
	Overload-	Overload- 0.0%		
	Planned Work-	0.3%		
	Trees-	89.5%		
	Utility Equipment-	2.2%		
	Vehicle-	0.0%		
9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	201.33		
10.)	2016 SAIDI	461.19		
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.25		
12.)	2016 SAIFI	2.07		

1.) SUBSTATION NAME AND NUMBER WILSON DOWNING 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Fayette - 680 Wilson Downing Rd - Lexington 3.) CIRCUIT NAME AND NUMBER 0114 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Lexington - Wilson Downing Rd , Bellueau Wood Dr, & Spangler Dr, W of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 11.2 6.) CUSTOMER COUNT FOR THIS CIRCUIT 1,480 7.) DATE OF LAST CIRCUIT TRIM (VM) 07/04/2014 8.) 2016 OUTAGES BY CAUSE Animal- 0.9% Construction- 0.0% Lightning- 0.0% Non-Company- 0.0% Other/Unknown- 2.4% Overload- 0.0% Planned Work- 0.1% Trees- 94.0% Utility Equipment- 2.6% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 67.46 10.) 2016 SAIDI 199.27 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.39

12.) 2016 SAIFI

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

Continue to Monitor

0.67

1.) SUBSTATION NAME AND NUMBER LANSDOWNE SWITCHING 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Fayette - 3200 Montavesta Rd. - Lexington 3.) CIRCUIT NAME AND NUMBER 0126 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Lexington - Alumni Dr. & Shady Brook Ln - E of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 29.5 6.) CUSTOMER COUNT FOR THIS CIRCUIT 2,503 7.) DATE OF LAST CIRCUIT TRIM (VM) 05/04/2012 8.) 2016 OUTAGES BY CAUSE Animal- 2.2% Construction- 0.4% Lightning- 0.0% Non-Company- 25.5% Other/Unknown- 27.9% Overload- 0.0% Planned Work- 2.1% Trees- 0.8% Utility Equipment- 41.1% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 60.70 10.) **2016 SAIDI** 53.06 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.37

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

Continue to Monitor

12.) 2016 SAIFI

0.37

1.) SUBSTATION NAME AND NUMBER	LOUDON AVENUE	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Fayette - 811 E Loudon Ave - Lexington	
3.) CIRCUIT NAME AND NUMBER	0127	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - Floyd Dr - N of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	20.9	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	2,568	
7.) DATE OF LAST CIRCUIT TRIM (VM)	07/13/2013	
8.) 2016 OUTAGES BY CAUSE		
Animal	3.8%	
Construction-	0.0%	
Lightning-	28.1%	
Non-Company-	0.0%	
Other/Unknown-	25.8%	
Overload-	0.7%	
Planned Work-	5.1%	
Trees-	19.6%	
Utility Equipment-	12.1%	
Vehicle-	4.9%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	73.02	
10.) <b>2016 SAIDI</b>	78.45	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.84	
12.) <b>2016 SAIFI</b>	0.61	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1.) SUBSTATION NAME AND NUMBER	LEXINGTON WATER COMPANY 12KV
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	<b>V</b> Fayette - 2300 Richmond Rd - Lexington
3.) CIRCUIT NAME AND NUMBER	0130
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - Richmond Rd E of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	24.4
6.) CUSTOMER COUNT FOR THIS CIRCUIT	3,189
7.) DATE OF LAST CIRCUIT TRIM (VM)	10/10/2015
8.) 2016 OUTAGES BY CAUSE	
Animal	- 12.5%
Construction-	0.0%
Lightning-	0.0%
Non-Company-	0.0%
Other/Unknown-	73.6%
Overload	0.0%
Planned Work-	12.7%
Trees-	0.0%
Utility Equipment-	1.2%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	16.97
10.) <b>2016 SAIDI</b>	29.97
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.15
12.) <b>2016 SAIFI</b>	0.21
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

50

1	) SUBSTATION NAME AND NUMBER	LAKESHORE	
2	2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Fayette - 3710 Richmond Rd - Lexington	
	3.) CIRCUIT NAME AND NUMBER	0132	
4	.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - Richmond Rd - SE of Substation	
5	.) TOTAL CIRCUIT LENGTH (MILES)	58.4	
6	.) CUSTOMER COUNT FOR THIS CIRCUIT	1,096	
7	.) DATE OF LAST CIRCUIT TRIM (VM)	06/06/2014	
8	.) 2016 OUTAGES BY CAUSE		
	Animal-	0.4%	
	Construction-	0.1%	
	Lightning-	3.8%	
	Non-Company-	0.0%	
	Other/Unknown-	53.8%	
	Overload-	0.0%	
	Planned Work-	1.1%	
	Trees-	36.7%	
	Utility Equipment-	2.8%	
	Vehicle-	3%	
9.	) CIRCUIT 5 YEAR AVERAGE (SAIDI)	47.	71
10.	) 2016 SAIDI	70.:	14
11.	) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.4	49
12.	) 2016 SAIFI	0.9	95
13.	) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	O BE TAKEN	

51

1.) SUBSTATION NAME AND NUMBER LAKESHORE 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Fayette - 3710 Richmond Rd - Lexington 3.) CIRCUIT NAME AND NUMBER 0135 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Lexington - Richmond Rd & Man O War Blvd - E of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 22.4 6.) CUSTOMER COUNT FOR THIS CIRCUIT 2,251 7.) DATE OF LAST CIRCUIT TRIM (VM) 08/18/2012 8.) 2016 OUTAGES BY CAUSE Animal- 0.7% Construction- 0.1% Lightning- 0.3% Non-Company- 0.0% Other/Unknown- 0.3% Overload- 0.0% Planned Work- 0.5%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 57.59

Utility Equipment- 95.6%

Trees- 2.5%

Vehicle- 0.0%

10.) **2016 SAIDI** 216.42

11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.35

12.) 2016 SAIFI 1.12

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

1.	SUBSTATION NAME AND NUMBER	WILSON DOWNING
2.)	SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Fayette - 680 Wilson Downing Rd - Lexington
3.)	CIRCUIT NAME AND NUMBER	0137
4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - Man O War Blvd - E of Substation
5.)	TOTAL CIRCUIT LENGTH (MILES)	9.2
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	1,488
7.)	DATE OF LAST CIRCUIT TRIM (VM)	01/17/2015
8.)	2016 OUTAGES BY CAUSE	
	Animal-	0.1%
	Construction-	0.0%
	Lightning-	0.2%
	Non-Company-	0.0%
	Other/Unknown-	0.0%
	Overload-	0.0%
	Planned Work-	0.0%
	Trees-	0.0%
	Utility Equipment-	7.9%
	Vehicle-	91.8%
9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	27.71
10.)	2016 SAIDI	60.38
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.42
12.)	2016 SAIFI	1.06
121		

2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Fayette - 420 Corral St - Lexington 3.) CIRCUIT NAME AND NUMBER 0139 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Lexington - Midland Ave. , Mian St. & water St. - W of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 2.5 6.) CUSTOMER COUNT FOR THIS CIRCUIT 12 7.) DATE OF LAST CIRCUIT TRIM (VM) Underground Circuit 8.) 2016 OUTAGES BY CAUSE Animal- 0.0% Construction- 0.0% Lightning- 0.0% Non-Company- 0.0% Other/Unknown- 0.0% Overload- 0.0% Planned Work- 0.0% Trees- 0.0% Utility Equipment- 0.0% Vehicle- 100.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 34.45 10.) 2016 SAIDI 31.67 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.35 12.) 2016 SAIFI 1.08 13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN Continue to Monitor

RACE STREET 12KV

1.) SUBSTATION NAME AND NUMBER

1.) SUBSTATION NAME AND NUMBER	ASHLAND PIPE	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Fayette - 448 S Ashland Ave Lexington	
3.) CIRCUIT NAME AND NUMBER	0142	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - Tates Creek Rd - N of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	18.6	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	1,762	
7.) DATE OF LAST CIRCUIT TRIM (VM)	07/31/2010	
8.) 2016 OUTAGES BY CAUSE		
Animal-	10.3%	
Construction-	0.0%	
Lightning-	0.0%	
Non-Company-	0.0%	
Other/Unknown-	10.6%	
Overload-	0.0%	
Planned Work-	0.6%	
Trees-	0.0%	
Utility Equipment-	78.6%	
Vehicle-	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	26.30	
10.) <b>2016 SAIDI</b>	30.23	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.22	
12.) <b>2016 SAIFI</b>	0.17	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN	

55

SUBSTATION NAME AND NUMBER
 SUBSTATION LOCATION (COUNTY-ROAD-TOWN Fayette - 4454 Clays Mill Rd - Lexington on 145
 CIRCUIT NAME AND NUMBER 0145
 CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Lexington - Glenview Dr - NW of Substation on 145
 TOTAL CIRCUIT LENGTH (MILES) 28.2
 CUSTOMER COUNT FOR THIS CIRCUIT 1,675
 DATE OF LAST CIRCUIT TRIM (VM) 12/06/2013
 2016 OUTAGES BY CAUSE

Animal- 0.2%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 5.3%

Overload- 0.0%

Planned Work- 0.3%

Trees- 94.2%

Utility Equipment- 0.0%

Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	100.35	
10.) <b>2016 SAIDI</b>	140.13	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.76	
12.) <b>2016 SAIFI</b>	1.05	

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

Reliability Improvements Completed in 2016

1.) SUBSTATION NAME AND NUMBER CLAYS MILL 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Fayette - 4454 Clays Mill Rd - Lexington 3.) CIRCUIT NAME AND NUMBER 0147 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Lexington - clays Mill Rd - N of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 14.1 6.) CUSTOMER COUNT FOR THIS CIRCUIT 1,392 7.) DATE OF LAST CIRCUIT TRIM (VM) 04/01/2012 8.) 2016 OUTAGES BY CAUSE Animal- 0.0% Construction- 0.0% Lightning- 2.6% Non-Company- 0.0% Other/Unknown- 1.0% Overload- 0.0% Planned Work- 92.2% Trees- 0.5% Utility Equipment- 3.6% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 54.70 10.) 2016 SAIDI 66.96 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.76

1.10

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

Continue to Monitor

12.) 2016 SAIFI

1.) SUBSTATION NAME AND NUMBER BRYANT ROAD 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Fayette - 3097 Helmsdale Pl. - Lexington 3.) CIRCUIT NAME AND NUMBER 0150 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Lexington - Maple Leaf Rd - S of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 8.9 6.) CUSTOMER COUNT FOR THIS CIRCUIT 1,261 7.) DATE OF LAST CIRCUIT TRIM (VM) 07/21/2012 8.) 2016 OUTAGES BY CAUSE Animal- 1.1% Construction- 0.0% Lightning- 0.0% Non-Company- 0.0% Other/Unknown- 9.7% Overload- 0.0% Planned Work- 0.2% Trees- 0.0% Utility Equipment- 89.0% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 17.93 10.) 2016 SAIDI 59.99 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.27

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

Continue to Monitor

12.) 2016 SAIFI

1.04

1.) SUBSTATION NAME AND NUMBER STANFORD 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Lincoln - 746 KY Highway 78 - Stanford 3.) CIRCUIT NAME AND NUMBER 0156 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Stanford - Martin Luther King St & Main St - E of substation 5.) TOTAL CIRCUIT LENGTH (MILES) 4.1 6.) CUSTOMER COUNT FOR THIS CIRCUIT 391 7.) DATE OF LAST CIRCUIT TRIM (VM) 05/24/2013

8.) 2016 OUTAGES BY CAUSE

Animal- 0.3%

Construction- 0.0%

Lightning- 1.3%

Non-Company- 0.0%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 0.4%

Trees- 0.0%

Utility Equipment- 0.0%

Vehicle- 98.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	30.94	
10.) <b>2016 SAIDI</b>	105.37	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.35	
12.) <b>2016 SAIFI</b>	1.03	

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

SUBSTATION NAME AND NUMBER
 SUBSTATION LOCATION (COUNTY-ROAD-TOWN Anderson - 108 E Broadway st - Lawrenceburg
 CIRCUIT NAME AND NUMBER
 CIRCUIT LOCATION (COUNTY-ROAD-TOWN)
 Lawrenceburg - US HWY 127 - S of Substation
 TOTAL CIRCUIT LENGTH (MILES)
 CUSTOMER COUNT FOR THIS CIRCUIT
 DATE OF LAST CIRCUIT TRIM (VM)
 10/01/2011
 2016 OUTAGES BY CAUSE

Animal- 0.9%

Construction- 0.0%

Lightning- 8.6%

Non-Company- 0.0%

Other/Unknown- 15.2%

Overload- 5.1%

Planned Work- 0.0%

Trees- 1.6%

Utility Equipment- 3.7%

Vehicle- 65.0%

9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	124.38	
10.)	2016 SAIDI	130.69	
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.77	
12.)	2016 SAIFI	0.70	

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

1.) SUBSTATION NAME AND NUMBER DANVILLE 1 12KV 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Boyle - 494 S 4TH ST - Danville 3.) CIRCUIT NAME AND NUMBER 0161 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Danville - 2nd St - S & E of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 3.2 6.) CUSTOMER COUNT FOR THIS CIRCUIT 157 7.) DATE OF LAST CIRCUIT TRIM (VM) 06/02/2015 8.) 2016 OUTAGES BY CAUSE Animal- 0.0% Construction- 71.4% Lightning- 0.0% Non-Company- 0.0% Other/Unknown- 23.9% Overload- 0.0% Planned Work- 3.6% Trees- 0.0%

Utility Equipment- 1.1%

Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	49.43	
10.) <b>2016 SAIDI</b>	106.50	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.66	
12.) <b>2016 SAIFI</b>	2.06	

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

1.) SUBSTATION NAME AND NUMBER DANVILLE 1 12KV 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Boyle - 494 S 4TH ST - Danville 3.) CIRCUIT NAME AND NUMBER 0162 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Danville - 4th St - S of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 13.3 6.) CUSTOMER COUNT FOR THIS CIRCUIT 1,201 7.) DATE OF LAST CIRCUIT TRIM (VM) 11/21/2015 8.) 2016 OUTAGES BY CAUSE Animal- 0.6% Construction- 0.3% Lightning- 14.1% Non-Company- 0.0% Other/Unknown- 0.0% Overload- 0.0% Planned Work- 3.1% Trees- 78.9% Utility Equipment- 3.0% Vehicle- 0.0% Q \ CIDCLIIT E VEAD AVEDAGE (SAIDI)

9.) CIRCUIT S YEAR AVERAGE (SAIDI)	27.85	
10.) <b>2016 SAIDI</b>	63.98	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.20	
12.) <b>2016 SAIFI</b>	0.32	

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

1.) SUBSTATION NAME AND NUMBER	DANVILLE 1 12KV
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Boyle - 494 S 4TH ST - Danville
3.) CIRCUIT NAME AND NUMBER	0163
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Danville - Russel St - W of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	2.4
6.) CUSTOMER COUNT FOR THIS CIRCUIT	105
7.) DATE OF LAST CIRCUIT TRIM (VM)	06/02/2015
8.) 2016 OUTAGES BY CAUSE	
Animal-	0.0%
Construction-	0.0%
Lightning-	0.0%
Non-Company-	0.0%
Other/Unknown-	36.6%
Overload-	0.0%
Planned Work-	63.4%
Trees-	0.0%
Utility Equipment-	0.0%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	7.86
10.) <b>2016 SAIDI</b>	21.09
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.11
12.) <b>2016 SAIFI</b>	0.34
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER	P. W. W. T. W. T.
	DANVILLE WEST
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Boyle - 1353 Lebanon Rd - Danville
3.) CIRCUIT NAME AND NUMBER	0167
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Danville - Lebanaon Rd - SW of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	6.5
6.) CUSTOMER COUNT FOR THIS CIRCUIT	23
7.) DATE OF LAST CIRCUIT TRIM (VM)	03/01/2011
8.) 2016 OUTAGES BY CAUSE	
Animal-	0.0%
Construction-	0.0%
Lightning-	0.0%
Non-Company-	0.0%
Other/Unknown-	100.0%
Overload-	0.0%
Planned Work-	0.0%
Trees-	0.0%
Utility Equipment-	0.0%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	22.03

10.) **2016 SAIDI** 50.04 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 12.) **2016 SAIFI** 13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

Continue to Monitor

0.30

0.79

1.)	SUBSTATION NAME AND NUMBER	DANVILLE WEST
2.)	SUBSTATION LOCATION (COUNTY-ROAD-TOWN	<b>8</b> Boyle - 1353 Lebanon Rd - Danville
3.)	CIRCUIT NAME AND NUMBER	0168
4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Danville - S Danville Bypass - S of Substation
5.)	TOTAL CIRCUIT LENGTH (MILES)	2.2
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	18
7.)	DATE OF LAST CIRCUIT TRIM (VM)	03/01/2011
8.)	2016 OUTAGES BY CAUSE	
	Animal-	0.0%
	Construction-	0.0%
	Lightning-	0.0%
	Non-Company-	0.0%
	Other/Unknown-	100.0%
	Overload-	0.0%
	Planned Work-	0.0%
	Trees-	
	Utility Equipment-	0.0%
0.1	Vehicle-	0.0%
9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	3.34
10.)	2016 SAIDI	7.67
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.06
12.)	2016 SAIFI	0.17
13.)	LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

65

1.) SUBSTATION NAME AND NUMBER	ASHLAND AVENUE
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	<b>V</b> Fayette - 448 S Ashland Ave Lexington
3.) CIRCUIT NAME AND NUMBER	0187
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - High St NW of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	3.2
6.) CUSTOMER COUNT FOR THIS CIRCUIT	780
7.) DATE OF LAST CIRCUIT TRIM (VM)	05/09/2015
8.) 2016 OUTAGES BY CAUSE	
Animal	- 0.0%
Construction	- 0.0%
Lightning	- 0.0%
Non-Company	- 0.0%
Other/Unknown-	1.4%
Overload	0.3%
Planned Work-	1.1%
Trees-	0.0%
Utility Equipment-	0.4%
Vehicle-	96.8%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	23.91
10.) <b>2016 SAIDI</b>	68.13
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.34
12.) <b>2016 SAIFI</b>	1.27

1.) SUBSTATION NAME AND NUMBER	REYNOLDS
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Fayette - 200 W. Reynold Rd Lexington
3.) CIRCUIT NAME AND NUMBER	0188
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - Regency Rd N of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	6.5
6.) CUSTOMER COUNT FOR THIS CIRCUIT	733
7.) DATE OF LAST CIRCUIT TRIM (VM)	10/24/2015
8.) 2016 OUTAGES BY CAUSE	
Animal	0.0%
Construction-	0.0%
Lightning-	40.1%
Non-Company-	0.0%
Other/Unknown-	4.7%
Overload-	0.0%
Planned Work-	4.4%
Trees-	0.0%
Utility Equipment-	50.8%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	86.91
10.) <b>2016 SAIDI</b>	91.77
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.25
12.) <b>2016 SAIFI</b>	3.16
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

67

1.) SUBSTATION NAME AND NUMBER HUME ROAD 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Fayette - 2319 Hume Rd. - Lexington 3.) CIRCUIT NAME AND NUMBER 0191 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Lexington - Hume Rd & Winchester Rd - N & NE of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 12.2 6.) CUSTOMER COUNT FOR THIS CIRCUIT 87 7.) DATE OF LAST CIRCUIT TRIM (VM) 10/25/2014 8.) 2016 OUTAGES BY CAUSE Animal- 0.4% Construction- 0.0% Lightning- 1.2% Non-Company- 0.0% Other/Unknown- 2.1% Overload- 0.0% Planned Work- 0.2%

Trees- 2.1%

137.59

Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 162.87 10.) 2016 SAIDI

Utility Equipment- 94.0%

11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.45

12.) 2016 SAIFI 2.98

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

1.) SUBSTATION NAME AND NUMBER LONDON 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Laurel - Near corner of Foster Heights & Substation Rd - London 3.) CIRCUIT NAME AND NUMBER 0200 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) London - Main St - W of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 10.6 6.) CUSTOMER COUNT FOR THIS CIRCUIT 496 7.) DATE OF LAST CIRCUIT TRIM (VM) 09/13/2013 8.) 2016 OUTAGES BY CAUSE Animal- 0.0% Construction- 0.4% Lightning- 0.0% Non-Company- 5.0% Other/Unknown- 30.7% Overload- 0.0% Planned Work- 0.3% Trees- 6.6%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 118.04
10.) 2016 SAIDI 272.07
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.32

Utility Equipment- 44.3%

Vehicle- 12.6%

12.) **2016 SAIFI** 3.90

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

1.) SUBSTATION NAME AND NUMBER LONDON 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Laurel - Near corner of Foster Heights & Substation Rd - London 3.) CIRCUIT NAME AND NUMBER 0201 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) London - Waterworks Rd & Daniel Boone PKWY - W & SW of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 39.2 6.) CUSTOMER COUNT FOR THIS CIRCUIT 1,021 7.) DATE OF LAST CIRCUIT TRIM (VM) 02/08/2014 8.) 2016 OUTAGES BY CAUSE Animal- 0.1% Construction- 0.0% Lightning- 1.2% Non-Company- 0.0% Other/Unknown- 25.6% Overload- 0.0% Planned Work- 5.6% Trees- 45.4% Utility Equipment- 21.7%

9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	171.00	
10.)	2016 SAIDI	329.67	
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.20	
12.)	2016 SAIFI	2.19	

Vehicle- 0.4%

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

1.) SUBSTATION NAME AND NUMBER LONDON 2 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Laurel - Near corner of Foster Heights & Substation Rd - London 3.) CIRCUIT NAME AND NUMBER 0204 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) London - McWhorter Rd & Main St - S of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 30.7 6.) CUSTOMER COUNT FOR THIS CIRCUIT 1,413 7.) DATE OF LAST CIRCUIT TRIM (VM) 11/29/2013 8.) 2016 OUTAGES BY CAUSE Animal- 0.6% Construction- 0.8% Lightning- 78.1% Non-Company- 0.1% Other/Unknown- 7.9% Overload- 0.0% Planned Work- 1.9% Trees- 6.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	77.33
10.) <b>2016 SAIDI</b>	94.10
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.82
12.) <b>2016 SAIFI</b>	1.19

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

Utility Equipment- 3.6%

Vehicle- 1.1%

Reliability Improvements Scheduled for 2017

1.) SUBSTATION NAME AND NUMBER CAMPBELLSVILLE 2 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Taylor - 620 Clem Haskins Blvd. - Campbellsville 3.) CIRCUIT NAME AND NUMBER 0206 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Campbellsville - Broadway St & Airport Rd - N of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 16.3 6.) CUSTOMER COUNT FOR THIS CIRCUIT 852 7.) DATE OF LAST CIRCUIT TRIM (VM) 09/19/2014 8.) 2016 OUTAGES BY CAUSE Animal- 0.0% Construction- 0.0% Lightning- 84.9% Non-Company- 0.0% Other/Unknown- 1.1% Overload- 0.0% Planned Work- 0.2% Trees- 12.2% Utility Equipment- 1.6%

9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	74.14	
10.)	2016 SAIDI	93.46	
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.99	
12.)	2016 SAIFI	1.21	

Vehicle- 0.0%

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

1.)	SUBSTATION NAME AND NUMBER	COLUMBIA
2.)	SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Taylor - 114 Lindsey Wilson St - Columbia
3.)	CIRCUIT NAME AND NUMBER	0209
4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Columbia - KY HWY 3491 & KY 55 - N of Substation
5.)	TOTAL CIRCUIT LENGTH (MILES)	43.3
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	928
7.)	DATE OF LAST CIRCUIT TRIM (VM)	04/18/2014
8.)	2016 OUTAGES BY CAUSE	
	Animal-	2.2%
	Construction-	0.0%
	Lightning-	1.3%
	Non-Company-	0.0%
	Other/Unknown-	7.8%
	Overload-	0.0%
	Planned Work-	1.3%
	Trees-	63.7%
	Utility Equipment-	23.7%
	Vehicle-	0.0%
9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	57.49
10.)	2016 SAIDI	62.52
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.53
12.)	2016 SAIFI	0.66
13.)	LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

SUBSTATION NAME AND NUMBER CARON
 SUBSTATION LOCATION (COUNTY-ROAD-TOWN Laurel - 1136 South Laurel Rd - London O210
 CIRCUIT NAME AND NUMBER O210
 CIRCUIT LOCATION (COUNTY-ROAD-TOWN) London - S Laurel Rd - N of Substation O14.8
 TOTAL CIRCUIT LENGTH (MILES) 14.8
 CUSTOMER COUNT FOR THIS CIRCUIT 739
 DATE OF LAST CIRCUIT TRIM (VM) 05/24/2013
 2016 OUTAGES BY CAUSE

Animal- 0.1%

Construction- 0.0%

Lightning- 0.1%

Non-Company- 0.0%

Other/Unknown- 0.5%

Overload- 3.0%

Planned Work- 0.1%

Trees- 2.5%

Utility Equipment- 28.9%

Vehicle- 64.9%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 79.78

10.) 2016 SAIDI 294.70

11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.58

12.) 2016 SAIFI 2.14

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

1.) SUBSTATION NAME AND NUMBER	FARISTON
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOW	<b>/N</b> Laurel - 57 Rocky Branch Rd - North Corbin
3.) CIRCUIT NAME AND NUMBER	0216
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	North Corbin - S Laurel Rd - S of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	3.2
6.) CUSTOMER COUNT FOR THIS CIRCUIT	90
7.) DATE OF LAST CIRCUIT TRIM (VM)	05/20/2013
8.) 2016 OUTAGES BY CAUSE	
Anima	l- 52.5%
Construction	1- 0.0%
Lightning	g- 0.0%
Non-Company	/- 0.0%
Other/Unknown	1- 0.0%
Overload	I- 0.0%
Planned Work	C- 0.0%
Trees	i- 0.0%
Utility Equipment	- 47.5%
Vehicle	- 0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	17.53
10.) <b>2016 SAIDI</b>	8.00
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.14
12.) <b>2016 SAIFI</b>	0.15
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OF	R TO BE TAKEN

75

	1.)	SUBSTATION NAME AND NUMBER	EAST BERNSTADT
	2.)	SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Laurel - 440 State HWY 490 - East Bernstadt
	3.)	CIRCUIT NAME AND NUMBER	0221
	4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	East Bernstadt - US HWY 25 - N & S of Substation
	5.)	TOTAL CIRCUIT LENGTH (MILES)	32.9
	6.)	CUSTOMER COUNT FOR THIS CIRCUIT	877
	7.)	DATE OF LAST CIRCUIT TRIM (VM)	04/04/2014
	8.)	2016 OUTAGES BY CAUSE	
		Animal-	0.6%
		Construction-	0.1%
		Lightning-	0.7%
		Non-Company-	0.1%
		Other/Unknown-	42.2%
		Overload-	0.0%
		Planned Work-	5.3%
		Trees-	5.3%
		Utility Equipment-	45.6%
		Vehicle-	0.0%
	9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	50.55
-	10.)	2016 SAIDI	107.55
1	11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.61
1	12.)	2016 SAIFI	1.65

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

1.)	SUBSTATION NAME AND NUMBER	SPRINGFIELD
2.)	SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Washinton - 107 Commercial Ave - Springfield
3.)	CIRCUIT NAME AND NUMBER	0224
4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Springfield - High St - E of Substation
5.)	TOTAL CIRCUIT LENGTH (MILES)	7.4
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	633
7.)	DATE OF LAST CIRCUIT TRIM (VM)	08/21/2014
8.)	2016 OUTAGES BY CAUSE	
	Animal-	4.0%
	Construction-	0.0%
	Lightning-	64.0%
	Non-Company-	0.0%
	Other/Unknown-	6.3%
	Overload-	0.0%
	Planned Work-	24.2%
	Trees-	1.6%
	Utility Equipment-	0.0%
	Vehicle-	0.0%
9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	12.13
10.)	2016 SAIDI	29.37
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.14
12.)	2016 SAIFI	0.31
12 \	LIST OF CORRECTIVE ACTION IS ANY TAXON OF	

 $13.) \ \ \text{LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN}$ 

1.)	SUBSTATION NAME AND NUMBER	WILLIAMSBURG SOUTH
2.)	SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Whitley - Corner of Savoy Clear Creek Rd and Railroad Tracks East of 175 - Williamsburg
	CIRCUIT NAME AND NUMBER	0227
4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Williamsburg - Savoy Clear Creek Rd - N of Substation
5.)	TOTAL CIRCUIT LENGTH (MILES)	5.3
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	68
7.)	DATE OF LAST CIRCUIT TRIM (VM)	10/05/2012
8.)	2016 OUTAGES BY CAUSE	
	Animal-	10.2%
	Construction-	2.6%
	Lightning-	0.0%
	Non-Company-	0.0%
	Other/Unknown-	3.6%
	Overload	0.0%
	Planned Work-	0.0%
	Trees-	23.4%
	Utility Equipment-	60.2%
	Vehicle-	0.0%
9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	9.85
10.)	2016 SAIDI	28.53
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.08
12.)	2016 SAIFI	0.20
13.)	LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER WILLIAMSBURG SOUTH 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Whitley - Corner of Savoy Clear Creek Rd and Railroad Tracks East of 175 - Williamsburg 3.) CIRCUIT NAME AND NUMBER 0230 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Williamsburg - Highway 92 - N of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 25.4 6.) CUSTOMER COUNT FOR THIS CIRCUIT 760 7.) DATE OF LAST CIRCUIT TRIM (VM) 11/26/2012 8.) 2016 OUTAGES BY CAUSE Animal- 0.7% Construction- 2.4% Lightning- 1.0% Non-Company- 0.0% Other/Unknown- 13.2% Overload- 0.0% Planned Work- 1.0% Trees- 72.7% Utility Equipment- 9.1%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	216.23	
10.) <b>2016 SAIDI</b>	230.66	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.79	
12.) <b>2016 SAIFI</b>	0.84	

Vehicle- 0.0%

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

SUBSTATION NAME AND NUMBER
 SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Whitley - Corner of Savoy Clear Creek Rd and Railroad Tracks East of 175 - Williamsburg
 CIRCUIT NAME AND NUMBER
 CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Williamsburg - Savoy Clear Creek Rd - E of Substation
 TOTAL CIRCUIT LENGTH (MILES)
 CUSTOMER COUNT FOR THIS CIRCUIT
 A
 DATE OF LAST CIRCUIT TRIM (VM)

8.) 2016 OUTAGES BY CAUSE

Animal- 0.0%

Construction- 0.0%

Lightning- 89.5%

Non-Company- 0.0%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 0.0%

Trees- 0.0%

Utility Equipment- 10.5%

Vehicle- 0.0%

9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	21.25	
10.)	2016 SAIDI	76.00	
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.50	
12.)	2016 SAIFI	2.00	

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

1.) SUBSTATION NAME AND NUMBER	PICADOME 12KV
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Fayette - 1620 Harrodsburg Rd - Lexington
3.) CIRCUIT NAME AND NUMBER	0232
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - Harrodsburg Rd - SW of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	10.9
6.) CUSTOMER COUNT FOR THIS CIRCUIT	1,045
7.) DATE OF LAST CIRCUIT TRIM (VM)	02/07/2015
8.) 2016 OUTAGES BY CAUSE	
Animal	1.1%
Construction-	0.0%
Lightning-	0.6%
Non-Company-	0.0%
Other/Unknown-	3.0%
Overload	0.0%
Planned Work-	1.2%
Trees-	49.6%
Utility Equipment-	9.0%
Vehicle-	35.6%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	88.30
10.) <b>2016 SAIDI</b>	89.98
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.93
12.) <b>2016 SAIFI</b>	1.26
12 ) LIST OF CORRECTIVE ACTION IS ANY TAXABLE	

13.) List of corrective action, if any, taken or to be taken

Reliability Improvements Completed in 2016

1.) SUBSTATION NAME AND NUMBER WILLIAMSBURG 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Whitley - Corner of 2nd and 3rd St - Williamsburg 3.) CIRCUIT NAME AND NUMBER 0236 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Williamsburg - 2nd St - N of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 1.9 6.) CUSTOMER COUNT FOR THIS CIRCUIT 185 7.) DATE OF LAST CIRCUIT TRIM (VM) 08/09/2012 8.) 2016 OUTAGES BY CAUSE Animal- 1.4% Construction- 0.6% Lightning- 0.0% Non-Company- 0.0% Other/Unknown- 2.1% Overload- 0.0% Planned Work- 0.0% Trees- 0.0% Utility Equipment- 0.0% Vehicle- 96.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 45.07 10.) 2016 SAIDI 147.08 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.29 12.) 2016 SAIFI 1.10 13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

Continue to Monitor

82

1.) SUBSTATION NAME AND NUMBER	MANCHESTER
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOW	VN Clay - 1195 HWY 687 (Town Branch Rd) - Manchester
3.) CIRCUIT NAME AND NUMBER	0250
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Manchester - Town Branch Rd - NE of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	23.9
6.) CUSTOMER COUNT FOR THIS CIRCUIT	1,082
7.) DATE OF LAST CIRCUIT TRIM (VM)	05/23/2014
8.) 2016 OUTAGES BY CAUSE	
Anima	al- 0.5%
Construction	n- 0.2%
Lightnin	g- 12.3%
Non-Compan	y- 15.7%
Other/Unknown	n- 0.2%
Overload	d- 0.0%
Planned Worl	K- 6.8%
Tree	S- 62.1%
Utility Equipmen	t- 2.1%
Vehicle	2- 0.2%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	72.43
10.) <b>2016 SAIDI</b>	107.68
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.54
12.) <b>2016 SAIFI</b>	0.58
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN O	R TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER MANCHESTER SOUTH 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Clay - 530 Muddy Gap Rd - Manchester 3.) CIRCUIT NAME AND NUMBER 0253 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Manchester - US HWY 421 - E of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 17.4 6.) CUSTOMER COUNT FOR THIS CIRCUIT 583 7.) DATE OF LAST CIRCUIT TRIM (VM) 04/08/2014 8.) 2016 OUTAGES BY CAUSE Animal- 0.1% Construction- 0.3% Lightning- 21.0% Non-Company- 0.0% Other/Unknown- 11.4% Overload- 0.0% Planned Work- 5.4% Trees- 50.2%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 105.05
10.) 2016 SAIDI 149.96

Utility Equipment- 1.6%

Vehicle- 10.0%

11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.98

12.) **2016 SAIFI** 0.95

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

1.) SUBSTATION NAME AND NUMBER	CORBIN EAST
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	N Knox - Corner of State HWY 1232 and E Barbourville Rd - Corbin
3.) CIRCUIT NAME AND NUMBER	0275
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Corbin - Barbourville Rd - E of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	30.0
6.) CUSTOMER COUNT FOR THIS CIRCUIT	872
7.) DATE OF LAST CIRCUIT TRIM (VM)	10/20/2015
8.) 2016 OUTAGES BY CAUSE	
Animal	- 0.2%
Construction	- 0.0%
Lightning	- 1.3%
Non-Company	- 0.5%
Other/Unknown	78.1%
Overload	- 0.0%
Planned Work-	3.4%
Trees-	1.4%
Utility Equipment-	14.3%
Vehicle-	0.7%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	185.60
10.) <b>2016 SAIDI</b>	617.64
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.19
12.) <b>2016 SAIFI</b>	3.27
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

85

1.) SUBSTATION NAME AND NUMBER	CORBIN EAST
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	<b>N</b> Knox - Corner of State HWY 1232 and E Barbourville Rd - Corbin
3.) CIRCUIT NAME AND NUMBER	0276
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Corbin - Pennington Rd & Industrial Rd - SE of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	7.4
6.) CUSTOMER COUNT FOR THIS CIRCUIT	212
7.) DATE OF LAST CIRCUIT TRIM (VM)	06/01/2011
8.) 2016 OUTAGES BY CAUSE	
Animal	- 0.0%
Construction	- 51.7%
Lightning	- 21.1%
Non-Company:	- 0.0%
Other/Unknown	- 2.6%
Overload	- 0.0%
Planned Work-	2.5%
Trees-	20.5%
Utility Equipment-	1.6%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	147.17
10.) <b>2016 SAIDI</b>	347.17
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.99
12.) <b>2016 SAIFI</b>	2.79
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

86

1.) SUBSTATION NAME AND NUMBER CORBIN EAST 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Knox - Corner of State HWY 1232 and E Barbourville Rd - Corbin 3.) CIRCUIT NAME AND NUMBER 0277 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Corbin - State HWY 1232 & Hancock - NW of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 14.1 6.) CUSTOMER COUNT FOR THIS CIRCUIT 728 7.) DATE OF LAST CIRCUIT TRIM (VM) 03/01/2011 8.) 2016 OUTAGES BY CAUSE Animal- 1.4% Construction- 0.0% Lightning- 0.2% Non-Company- 0.1% Other/Unknown- 25.3% Overload- 0.0% Planned Work- 3.7% Trees- 43.7% Utility Equipment- 25.6% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 98.30 10.) **2016 SAIDI** 104.65 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.94 12.) 2016 SAIFI 0.99

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

1.) SUBSTATION NAME AND NUMBER	CORBIN EAST
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOW	<b>N</b> Knox - Corner of State HWY 1232 and E Barbourville Rd - Corbin
3.) CIRCUIT NAME AND NUMBER	0279
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Corbin - Pennington Rd - S of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	11.6
6.) CUSTOMER COUNT FOR THIS CIRCUIT	449
7.) DATE OF LAST CIRCUIT TRIM (VM)	06/01/2011
8.) 2016 OUTAGES BY CAUSE	
Animal	- 3.8%
Construction	- 0.0%
Lightning	- 0.1%
Non-Company.	- 0.0%
Other/Unknown	39.9%
Overload	0.0%
Planned Work-	7.7%
Trees-	16.1%
Utility Equipment-	32.6%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	42.41
10.) <b>2016 SAIDI</b>	48.31
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.38
12.) <b>2016 SAIFI</b>	0.46
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER VAKSDAHL AVE 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Boyle - 100 Vaksdahl Ave - Danville 3.) CIRCUIT NAME AND NUMBER 0280 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Danville - Vaksdahl Ave & Perryville St - N of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 11.2 6.) CUSTOMER COUNT FOR THIS CIRCUIT 709 7.) DATE OF LAST CIRCUIT TRIM (VM) 06/02/2015 8.) 2016 OUTAGES BY CAUSE Animal- 36.4% Construction- 0.0% Lightning- 13.0% Non-Company- 0.0% Other/Unknown- 0.9% Overload- 0.0% Planned Work- 47.9% Trees- 0.0% Utility Equipment- 1.9% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 5.50 10.) 2016 SAIDI 10.44 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.09 12.) 2016 SAIFI 0.11

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

1.) SUBSTATION NAME AND NUMBER	HOPEWELL
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Laurel - Corner of American Greeting Rd and Hopewell Church Rd - North Corbin
3.) CIRCUIT NAME AND NUMBER	0285
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	North Corbin - American Greeting Rd and I75 - S of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	35.9
6.) CUSTOMER COUNT FOR THIS CIRCUIT	1,374
7.) DATE OF LAST CIRCUIT TRIM (VM)	12/31/2011
8.) 2016 OUTAGES BY CAUSE	
Animal	5.4%
Construction-	1.2%
Lightning-	67.3%
Non-Company-	0.0%
Other/Unknown-	8.5%
Overload-	0.0%
Planned Work-	1.2%
Trees-	13.5%
Utility Equipment-	2.8%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	70.14
10.) <b>2016 SAIDI</b>	74.85
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.75
12.) <b>2016 SAIFI</b>	0.51
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

Reliability Improvements Scheduled for 2017

1.) SUBSTATION NAME AND NUMBER	CORBIN US STEEL
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Whitley - S Woodbine Ave off HWY 830 - Corbin
3.) CIRCUIT NAME AND NUMBER	0288
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Corbin - 0.15 miles E of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	19.8
6.) CUSTOMER COUNT FOR THIS CIRCUIT	358
7.) DATE OF LAST CIRCUIT TRIM (VM)	09/25/2015
8.) 2016 OUTAGES BY CAUSE	
Animal-	0.0%
Construction-	0.2%
Lightning-	0.5%
Non-Company-	0.0%
Other/Unknown-	14.4%
Overload-	0.0%
Planned Work-	0.2%
Trees-	84.2%
Utility Equipment-	0.6%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	43.54
10.) <b>2016 SAIDI</b>	217.68
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.19
12.) <b>2016 SAIFI</b>	0.96
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER	PINEVILLE
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Bell - Corner of E Park Ave and Maple St - Pineville	
3.) CIRCUIT NAME AND NUMBER	0300
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Pineville - Park Ave - W of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	7.2
6.) CUSTOMER COUNT FOR THIS CIRCUIT	302
7.) DATE OF LAST CIRCUIT TRIM (VM)	08/07/2015
8.) 2016 OUTAGES BY CAUSE	
Animal-	2.2%
Construction-	0.0%
Lightning-	0.6%
Non-Company-	0.0%
Other/Unknown-	41.1%
Overload-	2.5%
Planned Work-	4.5%
Trees-	21.8%
Utility Equipment-	0.0%
Vehicle-	27.2%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	95.72
10.) <b>2016 SAIDI</b>	163.38
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.91
12.) <b>2016 SAIFI</b>	2.31
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	

92

1.) SUBSTATION NAME AND NUMBER **PINEVILLE** 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Bell - Corner of E Park Ave and Maple St - Pineville 3.) CIRCUIT NAME AND NUMBER 0301 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Pineville - US HWY 25E & KY HWY 66 - N of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 25.5 6.) CUSTOMER COUNT FOR THIS CIRCUIT 1,167 7.) DATE OF LAST CIRCUIT TRIM (VM) 02/11/2013 8.) 2016 OUTAGES BY CAUSE Animal- 0.0% Construction- 0.0% Lightning- 0.3% Non-Company- 0.0% Other/Unknown- 61.2% Overload- 0.0% Planned Work- 25.8% Trees- 10.1% Utility Equipment- 2.6% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 109.34 10.) 2016 SAIDI 116.54 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.66

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

Reliability Improvements Scheduled for 2017

12.) 2016 SAIFI

2.09

1.) SUBSTATION NAME AND NUMBER	PINEVILLE
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Bell - Corner of E Park Ave and Maple St - Pineville
3.) CIRCUIT NAME AND NUMBER	0302
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Pineville - US HWY 25E - S of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	32.2
6.) CUSTOMER COUNT FOR THIS CIRCUIT	646
7.) DATE OF LAST CIRCUIT TRIM (VM)	06/25/2013
8.) 2016 OUTAGES BY CAUSE	
Animal-	0.1%
Construction-	0.0%
Lightning-	0.0%
Non-Company-	0.0%
Other/Unknown-	8.4%
Overload-	0.0%
Planned Work-	0.4%
Trees-	76.9%
Utility Equipment-	14.2%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	252.15
10.) <b>2016 SAIDI</b>	656.99
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.79
12.) <b>2016 SAIFI</b>	3.17

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

Tree Trim Scheduled for 2017

1.) SUBSTATION NAME AND NUMBER	PINEVILLE
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	
3.) CIRCUIT NAME AND NUMBER	
	0303
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Pineville - US HWY 25E - S of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	27.3
6.) CUSTOMER COUNT FOR THIS CIRCUIT	533
7.) DATE OF LAST CIRCUIT TRIM (VM)	02/14/2014
8.) 2016 OUTAGES BY CAUSE	
Animal-	0.1%
Construction-	0.0%
Lightning-	0.9%
Non-Company-	0.0%
Other/Unknown-	7.9%
Overload-	0.0%
Planned Work-	1.3%
Trees-	88.6%
Utility Equipment-	1.1%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	214.95
10.) <b>2016 SAIDI</b>	798.99
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.17
12.) <b>2016 SAIFI</b>	2.12
13 ) LIST OF CORRECTIVE ACTION IF ANY TAKEN OR	TO DE TAVEN

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

SUBSTATION NAME AND NUMBER CROCKETT
 SUBSTATION LOCATION (COUNTY-ROAD-TOWN Bell - On HWY 66 across the street from Chaz Coal Co - Pineville
 CIRCUIT NAME AND NUMBER 0304
 CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Pineville - State HWY 66 - NW of Substation
 TOTAL CIRCUIT LENGTH (MILES) 14.3
 CUSTOMER COUNT FOR THIS CIRCUIT 99
 DATE OF LAST CIRCUIT TRIM (VM) 04/05/2013
 2016 OUTAGES BY CAUSE

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 36.2%

Overload- 0.0%

Planned Work- 0.2%

Trees- 62.6%

Utility Equipment- 1.0%

Vehicle- 0.0%

9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	1262.70
10.)	2016 SAIDI	2382.87
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	4.70
12.)	2016 SAIFI	5.49

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

Tree Trim Scheduled for 2017

1.) SUBSTATION NAME AND NUMBER	CROCKETT
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	<b>N</b> Bell - On HWY 66 across the street from Chaz Coal Co - Pineville
3.) CIRCUIT NAME AND NUMBER	0305
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Pineville - State HWY 66 - SW of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	1.8
6.) CUSTOMER COUNT FOR THIS CIRCUIT	10
7.) DATE OF LAST CIRCUIT TRIM (VM)	03/03/2012
8.) 2016 OUTAGES BY CAUSE	
Animal-	- 0.0%
Construction-	- 0.0%
Lightning	- 0.0%
Non-Company-	- 0.0%
Other/Unknown-	0.0%
Overload	0.0%
Planned Work-	0.0%
Trees-	100.0%
Utility Equipment-	0.0%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	185.18
10.) <b>2016 SAIDI</b>	687.50
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.64
12.) <b>2016 SAIFI</b>	1.90

Tree Trim Scheduled for 2017

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

1.) SUBSTATION NAME AND NUMBER	MELDRUM	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Bell - HWY 25/Wilderness Rd S of HWY 2486 Middlesborough	
3.) CIRCUIT NAME AND NUMBER	0308	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Middlesborough - US HWY 25E - N of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	20.0	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	448	
7.) DATE OF LAST CIRCUIT TRIM (VM)	06/16/2012	
8.) 2016 OUTAGES BY CAUSE		
Animal-	0.5%	
Construction-	0.0%	
Lightning-	1.0%	
Non-Company-	0.0%	
Other/Unknown-	33.0%	
Overload-	0.0%	
Planned Work-	0.3%	
Trees-	64.9%	
Utility Equipment-	0.3%	
Vehicle-	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	172.72	
10.) <b>2016 SAIDI</b>	269.45	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.41	
12.) <b>2016 SAIFI</b>	1.92	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

98

1.) SUBSTATION NAME AND NUMBER GREASY CREEK 12KV 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Bell - US HWY 25 at HWY 3085 - Pineville US HWY 25 AT HWY 3085 PINEVILLE 3.) CIRCUIT NAME AND NUMBER 0309 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Pineville - State HWY 92 - S of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 20.6 6.) CUSTOMER COUNT FOR THIS CIRCUIT 337 7.) DATE OF LAST CIRCUIT TRIM (VM) 04/30/2015 8.) 2016 OUTAGES BY CAUSE Animal- 0.0% Construction- 0.0% Lightning- 1.9% Non-Company- 0.0% Other/Unknown- 44.9% Overload- 0.0% Planned Work- 4.2% Trees- 48.3%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 124.27

Utility Equipment- 0.7%

Vehicle- 0.0%

10.) **2016 SAIDI** 163.81

11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.76

12.) **2016 SAIFI** 0.81

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

1.) SUBSTATION NAME AND NUMBER	GREASY CREEK 12KV
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Bell - US HWY 25 at HWY 3085 - Pineville US HWY 25 AT HWY 3085 PINEVILLE
3.) CIRCUIT NAME AND NUMBER	0310
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Pineville - Mocking Bird - E of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	1.9
6.) CUSTOMER COUNT FOR THIS CIRCUIT	33
7.) DATE OF LAST CIRCUIT TRIM (VM)	03/24/2015
8.) 2016 OUTAGES BY CAUSE	
Animal-	0.0%
Construction-	0.0%
Lightning-	94.3%
Non-Company-	0.0%
Other/Unknown-	0.0%
Overload	0.0%
Planned Work-	5.7%
Trees-	0.0%
Utility Equipment-	0.0%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	52.17
10.) <b>2016 SAIDI</b>	80.82
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.87
12.) <b>2016 SAIFI</b>	0.91

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

1.) SUBSTATION NAME AND NUMBER CALLOWAY 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Bell - Hwy 119 - Calloway 3.) CIRCUIT NAME AND NUMBER 0311 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Calloway - US HWY 119 - S of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 61.7 6.) CUSTOMER COUNT FOR THIS CIRCUIT 925 7.) DATE OF LAST CIRCUIT TRIM (VM) 08/08/2014 8.) 2016 OUTAGES BY CAUSE Animal- 0.0% Construction- 0.0% Lightning- 0.0% Non-Company- 0.6% Other/Unknown- 29.2% Overload- 0.0% Planned Work- 0.2% Trees- 31.6% Utility Equipment- 38.3% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 531.15 10.) 2016 SAIDI 463.29 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 3.11 12.) 2016 SAIFI

3.80

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

2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Bell - Hwy 119 - Calloway	
3.) CIRCUIT NAME AND NUMBER	0312
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Calloway - US HWY 119 - NW of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	22.7
6.) CUSTOMER COUNT FOR THIS CIRCUIT	364
7.) DATE OF LAST CIRCUIT TRIM (VM)	09/19/2014
8.) 2016 OUTAGES BY CAUSE	
Animal-	0.0%
Construction-	0.0%
Lightning-	32.2%
Non-Company-	0.0%
Other/Unknown-	61.7%
Overload-	0.0%
Planned Work-	3.2%
Trees-	2.6%
Utility Equipment-	0.3%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	811.05
10.) <b>2016 SAIDI</b>	931.58
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	6.17
12.) <b>2016 SAIFI</b>	8.24
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN
Continue to Monitor	

CALLOWAY

1.) SUBSTATION NAME AND NUMBER

1.) SUBSTATION NAME AND NUMBER	STINKING CREEK	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	N Knox - Croner of New US HWY 25 E and HWY 930 - Barbourville	
3.) CIRCUIT NAME AND NUMBER	0313	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Barbourville - US HWY 25E - S of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	35.4	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	843	
7.) DATE OF LAST CIRCUIT TRIM (VM)	01/30/2015	
8.) 2016 OUTAGES BY CAUSE		
Animal	0.2%	
Construction-	0.0%	
Lightning	1.5%	
Non-Company-	0.6%	
Other/Unknown-	38.1%	
Overload-	0.0%	
Planned Work-	3.2%	
Trees-	56.0%	
Utility Equipment-	0.5%	
Vehicle-	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	211.53	
10.) <b>2016 SAIDI</b>	364.27	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	2.21	
12.) <b>2016 SAIFI</b>	2.19	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

Reliability Improvements Completed in 2016

1.) SUBSTATION NAME AND NUMBER	STINKING CREEK	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	N Knox - Croner of New US HWY 25 E and HWY 930 - Barbourville	
3.) CIRCUIT NAME AND NUMBER	0314	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Barbourville - US HWY 25E & Stinking Creek Rd - NW of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	27.2	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	397	
7.) DATE OF LAST CIRCUIT TRIM (VM)	12/30/2011	
8.) 2016 OUTAGES BY CAUSE		
Animal- 12.1%		
Construction-	0.0%	
Lightning-	0.2%	
Non-Company- 0.6%		
Other/Unknown- 2.1%		
Overload- 0.0%		
Planned Work-	8.3%	
Trees-	4.1%	
Utility Equipment-	72.7%	
Vehicle-	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	168.03	
10.) 2016 SAIDI	162.06	

 10.)
 2016 SAIDI
 163.96

 11.)
 CIRCUIT 5 YEAR AVERAGE (SAIFI)
 2.17

 12.)
 2016 SAIFI
 2.18

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

Reliability Improvements Completed in 2016

1.) SUBSTATION NAME AND NUMBER DEER BRANCH 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Bell - HWY 66 0.5 miles S of Buffalo Hollow Rd, 7.5 miles N of HWY 221 - Pineville 3.) CIRCUIT NAME AND NUMBER 0319 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Pineville - State HWY 66 - S of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 13.6 6.) CUSTOMER COUNT FOR THIS CIRCUIT 229 7.) DATE OF LAST CIRCUIT TRIM (VM) 04/06/2013 8.) 2016 OUTAGES BY CAUSE Animal- 0.0% Construction- 0.0% Lightning- 0.1% Non-Company- 0.0% Other/Unknown- 29.5% Overload- 0.0%

Trees- 54.4%

Planned Work- 10.9%

Utility Equipment- 5.2%

Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 456.42
10.) 2016 SAIDI 576.31
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 3.48
12.) 2016 SAIFI 3.89

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

Tree Trim Scheduled for 2017

1.) SUBSTATION NAME AND NUMBER	PUCKETT CREEK	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Harlan - 5627 E HWY 72 Pathfork - Alva	
3.) CIRCUIT NAME AND NUMBER	0321	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Alva - E Highway 72 - SE of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	1.9	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	58	
7.) DATE OF LAST CIRCUIT TRIM (VM)	09/13/2013	
8.) 2016 OUTAGES BY CAUSE		
Animal-	2.9%	
Construction-	0.0%	
Lightning-	0.0%	
Non-Company-	0.0%	
Other/Unknown-	0.0%	
Overload-	0.0%	
Planned Work-	78.7%	
Trees-	0.0%	
Utility Equipment-	18.4%	
Vehicle-	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	80.28	
10.) <b>2016 SAIDI</b>	46.66	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.83	
12.) <b>2016 SAIFI</b>	1.07	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

106

1.) SUBSTATION NAME AND NUMBER	PUCKETT CREEK
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Harlan - 5627 E HWY 72 Pathfork - Alva
3.) CIRCUIT NAME AND NUMBER	0322
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Alva - E Highway 72 - NW of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	10.5
6.) CUSTOMER COUNT FOR THIS CIRCUIT	307
7.) DATE OF LAST CIRCUIT TRIM (VM)	10/25/2013
8.) 2016 OUTAGES BY CAUSE	
Animal-	0.2%
Construction-	0.0%
Lightning-	11.9%
Non-Company-	0.0%
Other/Unknown-	85.5%
Overload-	0.0%
Planned Work-	0.0%
Trees-	2.3%
Utility Equipment-	0.0%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	233.26
10.) <b>2016 SAIDI</b>	311.44
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.58
12.) <b>2016 SAIFI</b>	1.37
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER	YELLOW ROCK NORTH
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Lee Ky - 584 New Yellow Rock Rd - Beattyville
3.) CIRCUIT NAME AND NUMBER	0332
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Beattyville - New Yellow Rock Rd - N of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	4.0
6.) CUSTOMER COUNT FOR THIS CIRCUIT	57
7.) DATE OF LAST CIRCUIT TRIM (VM)	01/15/2015
8.) 2016 OUTAGES BY CAUSE	
Animal-	0.0%
Construction-	0.0%
Lightning-	0.0%
Non-Company-	0.0%
Other/Unknown-	0.0%
Overload-	0.0%
Planned Work-	0.0%
Trees-	100.0%
Utility Equipment-	0.0%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	145.23
10.) <b>2016 SAIDI</b>	188.51
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.70
12.) <b>2016 SAIFI</b>	1.00

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

1.) SUBSTATION NAME AND NUMBER OKONITE 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Madison - 1742 Berea Rd - Richmond 3.) CIRCUIT NAME AND NUMBER 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Richmond - Battlefield Memorial Rd & Berea Rd - S of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 23.6 6.) CUSTOMER COUNT FOR THIS CIRCUIT 917 7.) DATE OF LAST CIRCUIT TRIM (VM) 08/23/2013 8.) 2016 OUTAGES BY CAUSE Animal- 0.0% Construction- 0.0% Lightning- 0.0% Non-Company- 0.0% Other/Unknown- 94.0% Overload- 0.0% Planned Work- 5.7% Trees- 0.0% Utility Equipment- 0.3% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 26.78 10.) 2016 SAIDI 65.20 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.34 12.) 2016 SAIFI 1.05 13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER	DARK HOLLOW
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Estill - 37 Dark Hollow Rd - Red Lick
3.) CIRCUIT NAME AND NUMBER	0336
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Red Lick - Wisemantown Rd - S of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	11.6
6.) CUSTOMER COUNT FOR THIS CIRCUIT	563
7.) DATE OF LAST CIRCUIT TRIM (VM)	04/05/2013
8.) 2016 OUTAGES BY CAUSE	
Animal-	1.0%
Construction-	0.0%
Lightning-	0.1%
Non-Company-	0.0%
Other/Unknown-	0.5%
Overload-	0.0%
Planned Work-	1.1%
Trees-	63.0%
Utility Equipment-	0.0%
Vehicle-	34.3%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	14.60
10.) <b>2016 SAIDI</b>	25.91
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.12
12.) <b>2016 SAIFI</b>	0.16
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

Tree Trim Scheduled for 2017

1.) SUBSTATION NAME AND NUMBER	DARK HOLLOW
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Estill - 37 Dark Hollow Rd - Red Lick
3.) CIRCUIT NAME AND NUMBER	0337
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Red Lick - Richmond Rd - E of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	16.7
6.) CUSTOMER COUNT FOR THIS CIRCUIT	508
7.) DATE OF LAST CIRCUIT TRIM (VM)	04/16/2013
8.) 2016 OUTAGES BY CAUSE	
Animal-	0.1%
Construction-	0.0%
Lightning-	78.5%
Non-Company-	0.0%
Other/Unknown-	0.8%
Overload-	0.0%
Planned Work-	1.2%
Trees-	0.8%
Utility Equipment-	17.5%
Vehicle-	1.2%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	128.42
10.) <b>2016 SAIDI</b>	333.15
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.96
12.) <b>2016 SAIFI</b>	3.15
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN
Continue to Monitor	

1.) SUBSTATION NAME AND NUMBER	RICHMOND INDUSTRIAL
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Madison - 110 Mikron Way - Richmond
3.) CIRCUIT NAME AND NUMBER	0343
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Richmond - Pavilion Way - NW of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	7.9
6.) CUSTOMER COUNT FOR THIS CIRCUIT	322
7.) DATE OF LAST CIRCUIT TRIM (VM)	08/21/2014
8.) 2016 OUTAGES BY CAUSE	
Animal-	0.0%
Construction-	0.0%
Lightning-	47.0%
Non-Company-	0.0%
Other/Unknown-	51.0%
Overload-	0.0%
Planned Work-	1.0%
Trees-	0.0%
Utility Equipment-	1.0%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	66.64
10.) <b>2016 SAIDI</b>	233.40
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.49
12.) <b>2016 SAIFI</b>	2.11
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	

1.) SUBSTATION NAME AND NUMBER	MIDDLESBORO 2 4KV
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Bell - Intersection of Cumberland Ace and S 38th St - Middlesborough
3.) CIRCUIT NAME AND NUMBER	0350
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Middlesborough - Dorchester Ave - E of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	5.5
6.) CUSTOMER COUNT FOR THIS CIRCUIT	454
7.) DATE OF LAST CIRCUIT TRIM (VM)	01/17/2014
8.) 2016 OUTAGES BY CAUSE	
Animal	0.0%
Construction-	0.0%
Lightning-	0.0%
Non-Company-	0.0%
Other/Unknown-	71.8%
Overload	0.0%
Planned Work-	20.8%
Trees-	7.4%
Utility Equipment-	0.0%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	15.33
10.) <b>2016 SAIDI</b>	18.37
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.16
12.) <b>2016 SAIFI</b>	0.13
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER MIDDLESBORO 2 4KV 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Bell - Intersection of Cumberland Ace and S 38th St - Middlesborough 3.) CIRCUIT NAME AND NUMBER 0351 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Middlesborough - Dorchester Ave - E of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 7.6 6.) CUSTOMER COUNT FOR THIS CIRCUIT 7.) DATE OF LAST CIRCUIT TRIM (VM) 01/17/2014 8.) 2016 OUTAGES BY CAUSE Animal- 0.0% Construction- 0.0% Lightning- 2.6% Non-Company- 2.4% Other/Unknown- 60.9% Overload- 0.0% Planned Work- 4.0% Trees- 3.8% Utility Equipment- 20.8% Vehicle- 5.5% 9 ) CIRCUIT 5 VEAR AVERAGE (CAIDI)

5.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	64.23
10.)	2016 SAIDI	141.79
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.88
12.)	2016 SAIFI	2.00

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

1.) SUBSTATION NAME AND NUMBER	MIDDLESBORO 2 12KV #2
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Bell - Intersection of Cumberland Ace and S 38th St - Middlesborough
3.) CIRCUIT NAME AND NUMBER	0355
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Middlesborough - Cumberland Ave & Belt Line Rd - N of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	34.0
6.) CUSTOMER COUNT FOR THIS CIRCUIT	1,347
7.) DATE OF LAST CIRCUIT TRIM (VM)	06/05/2015
8.) 2016 OUTAGES BY CAUSE	
Animal-	0.2%
Construction-	0.0%
Lightning-	32.4%
Non-Company-	0.0%
Other/Unknown-	11.4%
Overload- 0.0%	
Planned Work- 2.3%	
Trees- 4.2%	
Utility Equipment-	3.0%
Vehicle-	46.4%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	94.00
10.) <b>2016 SAIDI</b>	249.62
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.15
12.) <b>2016 SAIFI</b>	3.15
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER	MIDDLESBORO 2 12KV #2
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOW	N Bell - Intersection of Cumberland Ace and S 38th St - Middlesborough
3.) CIRCUIT NAME AND NUMBER	0356
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Middlesborough - S 38th St - S of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	7.5
6.) CUSTOMER COUNT FOR THIS CIRCUIT	567
7.) DATE OF LAST CIRCUIT TRIM (VM)	01/17/2014
8.) 2016 OUTAGES BY CAUSE	
Anima	l- 2.6%
Construction	- 0.0%
Lightning	r- 43.4%
Non-Company	- 0.0%
Other/Unknown	- 18.9%
Overload	- 0.0%
Planned Work	- 1.7%
Trees	- 29.3%
Utility Equipment	- 4.2%
Vehicle	- 0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	37.84
10.) <b>2016 SAIDI</b>	42.67
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.31
12.) <b>2016 SAIFI</b>	0.38

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

1.) SUBSTATION NAME AND NUMBER MIDDLESBORO 2 12KV 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Bell - Intersection of Cumberland Ace and S 38th St - Middlesborough 3.) CIRCUIT NAME AND NUMBER 0360 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Middlesborough - State HWY 74 - E of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 29.5 6.) CUSTOMER COUNT FOR THIS CIRCUIT 303 7.) DATE OF LAST CIRCUIT TRIM (VM) 01/27/2012 8.) 2016 OUTAGES BY CAUSE Animal- 67.0% Construction- 0.0% Lightning- 0.9% Non-Company- 3.5% Other/Unknown- 6.3% Overload- 0.0% Planned Work- 3.9% Trees- 6.0% Utility Equipment- 12.5% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 112.72 10.) 2016 SAIDI 89.51 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.10 12.) 2016 SAIFI 1.25

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

1.) SUBSTATION NAME AND NUMBER	MIDDLESBORO 2 12KV	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Bell - Intersection of Cumberland Ace and S 38th St - Middlesborough	
3.) CIRCUIT NAME AND NUMBER	0361	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Middlesborough - Glenboro Rd - SW of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	11.3	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	169	
7.) DATE OF LAST CIRCUIT TRIM (VM)	07/24/2015	
8.) 2016 OUTAGES BY CAUSE		
Animal-	0.0%	
Construction- 0.0%		
Lightning-	0.0%	
Non-Company-	0.0%	
Other/Unknown-	18.3%	
Overload- 0.0%		
Planned Work- 0.1%		
Trees- 81.3%		
Utility Equipment-	0.3%	
Vehicle-	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	230.24	
10.) <b>2016 SAIDI</b>	938.44	

11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 12.) **2016 SAIFI** 13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

Continue to Monitor

0.83

2.19

1.) SUBSTATION NAME AND NUMBER	MIDDLESBORO 1 12KV
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Bell - Corner of N 19th and Ironwood Rd - Middlesborough
3.) CIRCUIT NAME AND NUMBER	0364
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Middlesborough - Nutwood Rd - N of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	6.5
6.) CUSTOMER COUNT FOR THIS CIRCUIT	416
7.) DATE OF LAST CIRCUIT TRIM (VM)	11/22/2013
8.) 2016 OUTAGES BY CAUSE	
Animal-	0.1%
Construction-	0.0%
Lightning-	0.0%
Non-Company-	0.0%
Other/Unknown-	
Overload-	0.0%
Planned Work-	1.1%
Trees-	
Utility Equipment-	
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	82.65
10.) <b>2016 SAIDI</b>	98.72
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.01
12.) <b>2016 SAIFI</b>	1.12
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER	MIDDLESBORO 1 12KV	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	<b>Ⅵ</b> Bell - Corner of N 19th and Ironwood Rd - Middlesborough	
3.) CIRCUIT NAME AND NUMBER	0366	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Middlesborough - Asbury Rd & N 12th St - E of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	10.9	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	473	
7.) DATE OF LAST CIRCUIT TRIM (VM)	12/06/2013	
8.) 2016 OUTAGES BY CAUSE		
Animal	· 0.0%	
Construction	0.0%	
Lightning-	9.0%	
Non-Company- 0.0%		
Other/Unknown-	54.2%	
Overload-		
Planned Work-	14.9%	
Trees-		
Utility Equipment-		
Vehicle-		
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	58.66	
10.) <b>2016 SAIDI</b>	62.70	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.48	
12.) <b>2016 SAIFI</b>	0.42	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1.) SUBSTATION NAME AND NUMBER	MIDDLESBORO 1 4KV	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Bell - Corner of N 19th and Ironwood Rd - Middlesborough	
3.) CIRCUIT NAME AND NUMBER	0370	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Middlesborough - N 19th St - SW of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	4.2	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	614	
7.) DATE OF LAST CIRCUIT TRIM (VM)	01/03/2014	
8.) 2016 OUTAGES BY CAUSE		
Animal-	0.0%	
Construction-	0.0%	
Lightning-	0.0%	
Non-Company-	0.0%	
Other/Unknown-	78.5%	
Overload- 0.0%		
Planned Work- 4.2%		
Trees-	11.4%	
Utility Equipment-	6.0%	
Vehicle-	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	102.68	
10.) <b>2016 SAIDI</b>	221.32	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.30	
12.) <b>2016 SAIFI</b>	3.48	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1.)	SUBSTATION NAME AND NUMBER	MIDDLESBORO 1 4KV
2.)	SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Bell - Corner of N 19th and Ironwood Rd - Middlesborough
	CIRCUIT NAME AND NUMBER	0372
4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Middlesborough - Lynnwood Dr - E of Substation
5.)	TOTAL CIRCUIT LENGTH (MILES)	8.8
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	510
7.)	DATE OF LAST CIRCUIT TRIM (VM)	11/22/2013
8.)	2016 OUTAGES BY CAUSE	
	Animal-	0.0%
	Construction-	0.0%
	Lightning-	1.1%
	Non-Company-	0.0%
	Other/Unknown-	0.0%
	Overload-	0.0%
	Planned Work-	27.0%
	Trees-	68.5%
	Utility Equipment-	3.5%
	Vehicle-	0.0%
9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	17.78
10.)	2016 SAIDI	30.02
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.18
12.)	2016 SAIFI	0.18
13.)	LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER MELDRUM 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Bell - HWY 25/Wilderness Rd S of HWY 2486 Middlesborough 3.) CIRCUIT NAME AND NUMBER 0390 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Middlesborough - S of Substation on US HWY 25E and E of Substation Colmar Rd 5.) TOTAL CIRCUIT LENGTH (MILES) 49.4 6.) CUSTOMER COUNT FOR THIS CIRCUIT 773 7.) DATE OF LAST CIRCUIT TRIM (VM) 04/16/2012 8.) 2016 OUTAGES BY CAUSE Animal- 0.1% Construction- 0.0% Lightning- 24.3% Non-Company- 0.0% Other/Unknown- 22.2% Overload- 0.0% Planned Work- 0.3% Trees- 52.4% Utility Equipment- 0.4% Vehicle- 0.3% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 288.79 10.) **2016 SAIDI** 407.03 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.75 12.) 2016 SAIFI 1.17

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

1.) SUBSTATION NAME AND NUMBER	DELAPLAIN	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Scott Ky - 413 Triport Cir - Sadieville	
3.) CIRCUIT NAME AND NUMBER	0403	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Sadieville - 0.41 Miles N of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	0.4	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	1	
7.) DATE OF LAST CIRCUIT TRIM (VM)	06/01/2009	
8.) 2016 OUTAGES BY CAUSE		
Animal-	0.0%	
Construction-	0.0%	
Lightning-	0.0%	
Non-Company-	0.0%	
Other/Unknown-	26.0%	
Overload-	0.0%	
Planned Work-	74.0%	
Trees-	0.0%	
Utility Equipment-	0.0%	
Vehicle- (	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	140.50	
10.) <b>2016 SAIDI</b>	292.00	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.30	
12.) <b>2016 SAIFI</b>	2.00	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1.) SUBSTATION NAME AND NUMBER	TRAFTON AVENUE 12KV
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	
3.) CIRCUIT NAME AND NUMBER	0404
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - Old Frankfort Rd - N of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	4.2
6.) CUSTOMER COUNT FOR THIS CIRCUIT	89
7.) DATE OF LAST CIRCUIT TRIM (VM)	12/12/2015
8.) 2016 OUTAGES BY CAUSE	, -,
Animal-	0.0%
Construction-	0.0%
Lightning-	0.0%
Non-Company-	0.0%
Other/Unknown-	18.3%
Overload-	0.0%
Planned Work-	52.7%
Trees-	0.0%
Utility Equipment-	10.4%
Vehicle-	18.6%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	77.34
10.) <b>2016 SAIDI</b>	46.54
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.36
12.) <b>2016 SAIFI</b>	0.89
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER	FORKS OF ELKHORN	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Franklin - 3286 Georgetown Rd - Frankfort	
3.) CIRCUIT NAME AND NUMBER	0405	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Frankfort - Switzer Rd - N of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	49.9	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	604	
7.) DATE OF LAST CIRCUIT TRIM (VM)	11/17/2012	
8.) 2016 OUTAGES BY CAUSE		
Animal-	0.5%	
Construction-	0.0%	
Lightning-	0.5%	
Non-Company-	0.0%	
Other/Unknown-	1.2%	
Overload-	0.0%	
Planned Work-	0.0%	
Trees-	95.6%	
Utility Equipment-	2.2%	
Vehicle-	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	141.88	
10.) <b>2016 SAIDI</b>	259.00	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.01	
12.) <b>2016 SAIFI</b>	1.04	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1.) SUBSTATION NAME AND NUMBER	FORKS OF ELKHORN
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Franklin - 3286 Georgetown Rd - Frankfort
3.) CIRCUIT NAME AND NUMBER	0406
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Frankfort - Steadmantown Ln - N of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	22.1
6.) CUSTOMER COUNT FOR THIS CIRCUIT	772
7.) DATE OF LAST CIRCUIT TRIM (VM)	03/01/2008
8.) 2016 OUTAGES BY CAUSE	
Animal-	0.6%
Construction-	0.0%
Lightning-	0.0%
Non-Company-	0.0%
Other/Unknown-	29.7%
Overload-	0.0%
Planned Work-	0.0%
Trees-	64.9%
Utility Equipment-	4.9%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	107.79
10.) <b>2016 SAIDI</b>	112.91
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.82
12.) <b>2016 SAIFI</b>	1.29
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

Tree Trim Scheduled for 2017

1.) SUBSTATION NAME AND NUMBER HOOVER 1 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Scott Ky - 3 Quality Dr - Georgetown 3.) CIRCUIT NAME AND NUMBER 0410 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Georgetown - Showalter Dr & McClelland Blvd - SW of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 20.0 6.) CUSTOMER COUNT FOR THIS CIRCUIT 1,278 7.) DATE OF LAST CIRCUIT TRIM (VM) 02/09/2013 8.) 2016 OUTAGES BY CAUSE Animal- 76.7% Construction- 0.0% Lightning- 1.1% Non-Company- 0.0% Other/Unknown- 3.7% Overload- 0.0% Planned Work- 0.3% Trees- 0.0% Utility Equipment- 18.2%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	56.53	
10.) <b>2016 SAIDI</b>	115.45	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.60	
12.) <b>2016 SAIFI</b>	1.19	

Vehicle- 0.0%

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

1.) SUBSTATION NAME AND NUMBER	HOOVER 1		
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Scott Ky - 3 Quality Dr - Georgetown		
3.) CIRCUIT NAME AND NUMBER	0411		
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Georgetown - Pocaontas Trl - E of Substation		
5.) TOTAL CIRCUIT LENGTH (MILES)	20.3		
6.) CUSTOMER COUNT FOR THIS CIRCUIT	1,616		
7.) DATE OF LAST CIRCUIT TRIM (VM)	03/02/2013		
8.) 2016 OUTAGES BY CAUSE			
Animal- 0.0%			
Construction-	0.1%		
Lightning-	0.0%		
Non-Company-	0.4%		
Other/Unknown-	6.3%		
Overload-	0.0%		
Planned Work-	0.1%		
Trees-			
Utility Equipment-	93.2%		
Vehicle- 0.0%			
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	28.90		
10.) <b>2016 SAIDI</b>	58.52		
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.69		
12.) <b>2016 SAIFI</b>	1.03		
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN			

1.) SUBSTATION NAME AND NUMBER	HOOVER 1	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Scott Ky - 3 Quality Dr - Georgetown	
3.) CIRCUIT NAME AND NUMBER	0412	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Georgetown - Old Lemons Mill Rd - N of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	3.4	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	243	
7.) DATE OF LAST CIRCUIT TRIM (VM)	10/25/2014	
8.) 2016 OUTAGES BY CAUSE		
Animal	6.1%	
Construction-	9.1%	
Lightning-	66.4%	
Non-Company-	0.0%	
Other/Unknown-	0.0%	
Overload	0.0%	
Planned Work- 0.0%		
Trees-	0.9%	
Utility Equipment-	17.5%	
Vehicle-	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	24.14	
10.) <b>2016 SAIDI</b>	27.09	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.68	
12.) <b>2016 SAIFI</b>	1.12	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN	

1.)	SUBSTATION NAME AND NUMBER	DAYHOIT
2.)	SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Harlan - Dayhoit Dr (Keith Tremont Rd) - Harlan
3.)	CIRCUIT NAME AND NUMBER	0414
4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Harlan - US HWY 119 - N of Substation
5.)	TOTAL CIRCUIT LENGTH (MILES)	15.2
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	592
7.)	DATE OF LAST CIRCUIT TRIM (VM)	05/02/2014
8.)	2016 OUTAGES BY CAUSE	
	Animal-	0.3%
	Construction-	0.0%
	Lightning-	0.0%
	Non-Company-	0.0%
	Other/Unknown-	32.1%
	Overload-	0.0%
	Planned Work-	5.5%
	Trees-	44.2%
	Utility Equipment-	18.0%
	Vehicle-	0.0%
9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	222.02

5.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	22	2.02
10.)	2016 SAIDI	29	5.60
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.52
12.)	2016 SAIFI		2.06

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

Reliability Improvements Completed in 2016

1.) SUBSTATION NAME AND NUMBER	DAYHOIT	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Harlan - Dayhoit Dr (Keith Tremont Rd) - Harlan	
3.) CIRCUIT NAME AND NUMBER	0415	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Harlan - S US HWY 119 - S of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	13.9	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	421	
7.) DATE OF LAST CIRCUIT TRIM (VM)	03/14/2014	
8.) 2016 OUTAGES BY CAUSE		
Animal	0.0%	
Construction-	0.0%	
Lightning-	0.5%	
Non-Company-	0.0%	
Other/Unknown-	30.5%	
Overload	0.0%	
Planned Work-	1.0%	
Trees-	65.5%	
Utility Equipment-	2.6%	
Vehicle-	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	170.35	
10.) <b>2016 SAIDI</b>	392.11	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.23	
12.) <b>2016 SAIFI</b>	3.58	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Bell - Off Slack Hollow Rd just N of S Old US HWY 421 - Cawood 3.) CIRCUIT NAME AND NUMBER 0418 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Cawood - US HWY 421 Bypass - W of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 32.0 6.) CUSTOMER COUNT FOR THIS CIRCUIT 717 7.) DATE OF LAST CIRCUIT TRIM (VM) 03/20/2015 8.) 2016 OUTAGES BY CAUSE Animal- 0.3% Construction- 0.0% Lightning- 0.0% Non-Company- 0.9% Other/Unknown- 47.8% Overload- 0.0% Planned Work- 1.2% Trees- 49.0%

CAWOOD

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	344.11	
10.) <b>2016 SAIDI</b>	279.31	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.86	
12.) <b>2016 SAIFI</b>	2.03	

Utility Equipment- 0.8%

Vehicle- 0.0%

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

1.) SUBSTATION NAME AND NUMBER

1.) SUBSTATION NAME AND NUMBER	GEORGETOWN 4KV
2.) SUBSTATION LOCATION (COUNTY-ROA	.D-TOWN Scott Ky - 207 W Clinton St - Georgetown
3.) CIRCUIT NAME AND NUMBER	0421
4.) CIRCUIT LOCATION (COUNTY-ROAD-TO	WN) Georgetown - Water St - N of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	2.8
6.) CUSTOMER COUNT FOR THIS CIRCUIT	323
7.) DATE OF LAST CIRCUIT TRIM (VM)	04/20/2013
8.) 2016 OUTAGES BY CAUSE	
	Animal- 1.5%
Cons	truction- 0.0%
Li	ightning- 0.0%
Non-Co	ompany- 0.0%
Other/U	nknown- 92.4%
0	verload- 0.0%
Planne	ed Work- 6.1%
	Trees- 0.0%
Utility Equ	uipment- 0.0%
	Vehicle- 0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	10.49
10.) <b>2016 SAIDI</b>	18.92
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.14
12.) <b>2016 SAIFI</b>	0.22

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER KENTENIA 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Harlan - Near HWY 219 on Meadow Creek Ln (Wilson Ln) - Wallins Creek 3.) CIRCUIT NAME AND NUMBER 0422 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Wallins Creek - HWY 219 - N of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 44.6 6.) CUSTOMER COUNT FOR THIS CIRCUIT 1,127 7.) DATE OF LAST CIRCUIT TRIM (VM) 09/28/2010 8.) 2016 OUTAGES BY CAUSE Animal- 0.0% Construction- 0.0% Lightning- 0.0% Non-Company- 0.0% Other/Unknown- 15.0% Overload- 0.0% Planned Work- 20.4% Trees- 58.0% Utility Equipment- 6.3%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	238.77
10.) <b>2016 SAIDI</b>	480.97
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.52
12.) <b>2016 SAIFI</b>	2.51

Vehicle- 0.3%

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

1.) SUBSTATION NAME AND NUMBER KENTENIA 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Harlan - Near HWY 219 on Meadow Creek Ln (Wilson Ln) - Wallins Creek 3.) CIRCUIT NAME AND NUMBER 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Wallins Creek - E on Wilson Ln & S on HWY 219 5.) TOTAL CIRCUIT LENGTH (MILES) 9.1 6.) CUSTOMER COUNT FOR THIS CIRCUIT 215 7.) DATE OF LAST CIRCUIT TRIM (VM) 09/15/2014 8.) 2016 OUTAGES BY CAUSE Animal- 0.3% Construction- 0.0% Lightning- 0.0% Non-Company- 0.0% Other/Unknown- 1.1% Overload- 0.0%

Utility Equipment- 2.6%

Planned Work- 18.0%

Vehicle- 0.0%

Trees- 78.1%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 279.60
10.) 2016 SAIDI 449.71
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.86
12.) 2016 SAIFI 2.56

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

1.) SUBSTATION NAME AND NUMBER **GEORGETOWN 12KV** 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Scott Ky - 207 W Clinton St - Georgetown 3.) CIRCUIT NAME AND NUMBER 0425 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Georgetown - College St - E of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 7.8 6.) CUSTOMER COUNT FOR THIS CIRCUIT 655 7.) DATE OF LAST CIRCUIT TRIM (VM) 05/04/2013 8.) 2016 OUTAGES BY CAUSE Animal- 28.5% Construction- 9.5% Lightning- 20.7% Non-Company- 0.0% Other/Unknown- 0.0% Overload- 0.0% Planned Work- 8.3% Trees- 0.0% Utility Equipment- 33.0%

9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	31.30
10.)	2016 SAIDI	26.64
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.38
12.)	2016 SAIFI	0.39

Vehicle- 0.0%

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

1.) SUBSTATION NAME AND NUMBER **GEORGETOWN 12KV** 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Scott Ky - 207 W Clinton St - Georgetown 3.) CIRCUIT NAME AND NUMBER 0427 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Georgetown - S Broadway St - S of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 7.8 6.) CUSTOMER COUNT FOR THIS CIRCUIT 568 7.) DATE OF LAST CIRCUIT TRIM (VM) 05/11/2013 8.) 2016 OUTAGES BY CAUSE Animal- 0.0% Construction- 2.0% Lightning- 3.7% Non-Company- 0.4% Other/Unknown- 11.2% Overload- 0.0% Planned Work- 0.0%

9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	69.80	
10.)	2016 SAIDI	187.16	
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.70	
12.)	2016 SAIFI	1.11	

Utility Equipment- 1.9%

Trees- 80.7%

Vehicle- 0.0%

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

Tree Trim Scheduled for 2017

	1.)	SUBSTATION NAME AND NUMBER	NEWTOWN
	2.)	SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Scott Ky - 5849 Paris Pike - Georgetown
	3.)	CIRCUIT NAME AND NUMBER	0431
	4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Georgetown - US 460 Pike - W of Substation
	5.)	TOTAL CIRCUIT LENGTH (MILES)	39.8
	6.)	CUSTOMER COUNT FOR THIS CIRCUIT	887
	7.)	DATE OF LAST CIRCUIT TRIM (VM)	07/06/2013
	8.)	2016 OUTAGES BY CAUSE	
		Animal-	0.2%
		Construction-	0.0%
		Lightning-	13.2%
		Non-Company-	0.0%
		Other/Unknown-	4.0%
		Overload-	0.0%
		Planned Work-	0.0%
		Trees-	79.6%
		Utility Equipment-	3.0%
		Vehicle-	0.2%
	9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	128.78
10	0.)	2016 SAIDI	265.12
1	1.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.47
12	2.)	2016 SAIFI	2.59

Continue to Monitor

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

1.) SUBSTATION NAME AND NUMBER **LEMONS MILL** 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Scott Ky - 125 Carley Ct - Georgetown 3.) CIRCUIT NAME AND NUMBER 0440 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Georgetown - McClelland Blvd - N of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 19.8 6.) CUSTOMER COUNT FOR THIS CIRCUIT 1,449 7.) DATE OF LAST CIRCUIT TRIM (VM) 03/16/2013 8.) 2016 OUTAGES BY CAUSE Animal- 0.0% Construction- 0.2% Lightning- 69.8% Non-Company- 0.0% Other/Unknown- 21.7% Overload- 0.0% Planned Work- 0.1% Trees- 0.4% Utility Equipment- 7.8% Vehicle- 0.0%

9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	58.89	
10.)	2016 SAIDI	70.97	
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.73	
12.)	2016 SAIFI	1.30	

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

1.) SUBSTATION NAME AND NUMBER	ROGERS GAP
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	<b>V</b> Scott Ky - 192 Harbor Village Dr - Stamping Ground
3.) CIRCUIT NAME AND NUMBER	0450
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Stamping Ground - Cincinnati Rd - S of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	11.6
6.) CUSTOMER COUNT FOR THIS CIRCUIT	495
7.) DATE OF LAST CIRCUIT TRIM (VM)	11/16/2013
8.) 2016 OUTAGES BY CAUSE	
Animal	- 0.9%
Construction	- 0.0%
Lightning	- 0.0%
Non-Company-	- 26.0%
Other/Unknown-	- 0.0%
Overload	0.0%
Planned Work-	0.0%
Trees-	0.0%
Utility Equipment-	73.1%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	21.10
10.) <b>2016 SAIDI</b>	18.80
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.21
12.) <b>2016 SAIFI</b>	0.22

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

1.)	SUBSTATION NAME AND NUMBER	ROGERS GAP
2.)	SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Scott Ky - 192 Harbor Village Dr - Stamping Ground
3.)	CIRCUIT NAME AND NUMBER	0451
4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Stamping Ground - Cincinnati Rd - N of Substation
5.)	TOTAL CIRCUIT LENGTH (MILES)	67.1
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	1,103
7.)	DATE OF LAST CIRCUIT TRIM (VM)	05/17/2014
8.)	2016 OUTAGES BY CAUSE	
	Animal-	0.1%
	Construction-	0.0%
	Lightning-	4.2%
	Non-Company-	0.0%
	Other/Unknown-	21.5%
	Overload-	0.0%
	Planned Work-	0.3%
	Trees-	32.4%
	Utility Equipment-	41.5%
	Vehicle-	0.0%
9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	371.82
10.)	2016 SAIDI	453.79
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	3.10
12.)	2016 SAIFI	3.62
13.)	LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN
	Continue to Monitor	

	1.)	SUBSTATION NAME AND NUMBER	PEPPER PIKE	
	2.)	SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Scott Ky - 4341 Frankfort Rd - Georgetown	
	3.)	CIRCUIT NAME AND NUMBER	0460	
	4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Georgetown - Frankfort Rd - E of Substation	
	5.)	TOTAL CIRCUIT LENGTH (MILES)	41.5	
	6.)	CUSTOMER COUNT FOR THIS CIRCUIT	741	
	7.)	DATE OF LAST CIRCUIT TRIM (VM)	05/12/2012	
	8.)	2016 OUTAGES BY CAUSE		
		Animal-	0.0%	
		Construction-	0.0%	
		Lightning-	0.4%	
		Non-Company-	0.0%	
		Other/Unknown-	8.3%	
		Overload-	0.0%	
		Planned Work-	0.3%	
		Trees-	87.3%	
		Utility Equipment-	3.6%	
		Vehicle-	0.0%	
9	9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	69.87	
10	0.)	2016 SAIDI	137.57	
1	1.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.86	

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

Continue to Monitor

12.) **2016 SAIFI** 

1.) SUBSTATION NAME AND NUMBER PEPPE	ER PIKE
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Scott	Ky - 4341 Frankfort Rd - Georgetown
3.) CIRCUIT NAME AND NUMBER 0461	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) George	getown - E on US HWY 460 & S on Fishers Mill Rd
5.) TOTAL CIRCUIT LENGTH (MILES) 51.5	
6.) CUSTOMER COUNT FOR THIS CIRCUIT 556	
7.) DATE OF LAST CIRCUIT TRIM (VM) 04/14/	/2012
8.) 2016 OUTAGES BY CAUSE	
Animal- 0.8%	
Construction- 0.0%	
Lightning- 0.4%	
Non-Company- 0.0%	
Other/Unknown- 5.5%	
Overload- 0.0%	
Planned Work- 35.2%	
Trees- 38.2%	
Utility Equipment- 15.7%	
Vehicle- 4.1%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	121.24
10.) <b>2016 SAIDI</b>	154.62
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.39
12.) <b>2016 SAIFI</b>	1.38
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE	TAKEN

1.) SUBSTATION NAME AND NUMBER	BLACK MOUNTAIN
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Harlan - Black Mountain Rd - Lynch
3.) CIRCUIT NAME AND NUMBER	0467
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lynch - Radar Station Rd - SW of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	4.2
6.) CUSTOMER COUNT FOR THIS CIRCUIT	11
7.) DATE OF LAST CIRCUIT TRIM (VM)	09/18/2015
8.) 2016 OUTAGES BY CAUSE	
Animal-	0.0%
Construction-	0.0%
Lightning-	0.0%
Non-Company-	0.0%
Other/Unknown-	76.3%
Overload-	0.0%
Planned Work-	0.0%
Trees-	23.7%
Utility Equipment-	0.0%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	413.58
10.) <b>2016 SAIDI</b>	1486.64
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.83
12.) <b>2016 SAIFI</b>	2.00
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER TOTZ 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Harlan - HWY 119 about 1/4 miles S on unnamed Rd on W side of Loop Dione 3.) CIRCUIT NAME AND NUMBER 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Poor Fork - N US HWY 119 - E of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 3.5 6.) CUSTOMER COUNT FOR THIS CIRCUIT 74 7.) DATE OF LAST CIRCUIT TRIM (VM) 12/31/2015 8.) 2016 OUTAGES BY CAUSE Animal- 0.0% Construction- 0.0% Lightning- 0.0% Non-Company- 0.0% Other/Unknown- 1.6% Overload- 0.0% Planned Work- 3.5% Trees- 0.0% Utility Equipment- 94.9% Vehicle- 0.0%

9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)			1	77.85	
10.)	2016 SAIDI				96.91	
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)				1.03	
12.)	2016 SAIFI				1.14	

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

OXFORD
Scott Ky - 1827 Oxford Dr - Georgetown
0470
Georgetown - Oxford Rd - N of Substation
27.5
538
11/09/2013
1.9%
16.5%
33.5%
0.0%
4.6%
0.0%
19.1%
17.3%
0.0%
7.2%
57.39
8.88
0.25
0.28

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

1.) SUBSTATION NAME AND NUMBER	OXFORD
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Scott Ky - 1827 Oxford Dr - Georgetown
3.) CIRCUIT NAME AND NUMBER	0471
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Georgetown - Oxford Rd - S & E of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	12.7
6.) CUSTOMER COUNT FOR THIS CIRCUIT	568
7.) DATE OF LAST CIRCUIT TRIM (VM)	11/02/2013
8.) 2016 OUTAGES BY CAUSE	
Animal-	70.8%
Construction-	0.0%
Lightning-	0.0%
Non-Company-	0.0%
Other/Unknown-	0.0%
Overload-	0.0%
Planned Work-	0.0%
Trees-	0.0%
Utility Equipment-	29.2%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	2.17
10.) <b>2016 SAIDI</b>	6.94
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.05
12.) <b>2016 SAIFI</b>	0.09
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER OXFORD 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Scott Ky - 1827 Oxford Dr - Georgetown 3.) CIRCUIT NAME AND NUMBER 0472 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Georgetown - Oxford Rd - S of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 16.4 6.) CUSTOMER COUNT FOR THIS CIRCUIT 968 7.) DATE OF LAST CIRCUIT TRIM (VM) 11/02/2013 8.) 2016 OUTAGES BY CAUSE Animal- 0.0% Construction- 0.0% Lightning- 0.0% Non-Company- 0.0% Other/Unknown- 0.8% Overload- 0.0% Planned Work- 0.0% Trees- 0.0% Utility Equipment- 99.2% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 22.91 10.) 2016 SAIDI 52.06 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.48

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

Continue to Monitor

12.) 2016 SAIFI

1.02

1.) SUBSTATION NAME AND NUMBER SHADRACK 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Franklin - 74 Bethel Ln - Frankfort 3.) CIRCUIT NAME AND NUMBER 0476 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Frankfort - S on US HWY 127 & N on Peaks Mill Rd 5.) TOTAL CIRCUIT LENGTH (MILES) 54.4 6.) CUSTOMER COUNT FOR THIS CIRCUIT 686 7.) DATE OF LAST CIRCUIT TRIM (VM) 01/19/2013 8.) 2016 OUTAGES BY CAUSE Animal- 2.3% Construction- 0.0% Lightning- 28.9% Non-Company- 10.6% Other/Unknown- 22.2% Overload- 0.0% Planned Work- 5.7% Trees- 1.7% Utility Equipment- 28.5% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 101 05

٥.,	CINCOTT S TEAR AVERAGE (SAIDI)	181.95
10.)	2016 SAIDI	148.20
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.20
12.)	2016 SAIFI	1.27

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

1.) SUBSTATION NAME AND NUMBER STAMPING GROUND 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Scott Ky - 3540 Main St - Stamping Ground 3.) CIRCUIT NAME AND NUMBER 0480 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Stamping Ground - Owenton/HWY 227 N of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 56.2 6.) CUSTOMER COUNT FOR THIS CIRCUIT 467 7.) DATE OF LAST CIRCUIT TRIM (VM) 07/28/2012 8.) 2016 OUTAGES BY CAUSE Animal- 0.7% Construction- 0.1% Lightning- 8.4% Non-Company- 0.0% Other/Unknown- 44.2% Overload- 0.0% Planned Work- 0.1% Trees- 12.0% Utility Equipment- 5.4% Vehicle- 29.1% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 148.05 10.) **2016 SAIDI** 383.75 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.25 12.) 2016 SAIFI 2.03

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

1.) SUBSTATION NAME AND NUMBER	STAMPING GROUND
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Scott Ky - 3540 Main St - Stamping Ground
3.) CIRCUIT NAME AND NUMBER	0481
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Stamping Ground - SE on Main St & N on Locust Fork Rd
5.) TOTAL CIRCUIT LENGTH (MILES)	97.9
6.) CUSTOMER COUNT FOR THIS CIRCUIT	1,232
7.) DATE OF LAST CIRCUIT TRIM (VM)	09/01/2012
8.) 2016 OUTAGES BY CAUSE	
Animal-	1.2%
Construction-	0.0%
Lightning-	0.5%
Non-Company-	1.6%
Other/Unknown-	44.1%
Overload-	0.0%
Planned Work-	0.1%
Trees-	0.2%
Utility Equipment-	25.6%
Vehicle-	26.6%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	149.04
10.) <b>2016 SAIDI</b>	157.95
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.40
12.) <b>2016 SAIFI</b>	1.64

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

1.) SUBSTATION NAME AND NUMBER	ROBBINS
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Harlan - E of 15537 HwY 38 - Upper Clover
3.) CIRCUIT NAME AND NUMBER	0488
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Upper Clover - Highway 38 - SW of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	11.1
6.) CUSTOMER COUNT FOR THIS CIRCUIT	302
7.) DATE OF LAST CIRCUIT TRIM (VM)	05/03/2013
8.) 2016 OUTAGES BY CAUSE	
Animal-	0.0%
Construction-	0.0%
Lightning-	33.8%
Non-Company-	0.0%
Other/Unknown-	8.0%
Overload-	0.0%
Planned Work-	0.1%
Trees-	56.5%
Utility Equipment-	1.6%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	507.54
10.) <b>2016 SAIDI</b>	810.24
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.95

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

Tree Trim Scheduled for 2017

12.) 2016 SAIFI

1.79

1.) SUBSTATION NAME AND NUMBER	HOLMES MILL				
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	. Harlan - 1/4 mile E of 25511 HWY 38 - Upper Clove				
3.) CIRCUIT NAME AND NUMBER	0491				
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Upper Clover - Highway 38 - W of Substation				
5.) TOTAL CIRCUIT LENGTH (MILES)	8.9				
6.) CUSTOMER COUNT FOR THIS CIRCUIT	206				
7.) DATE OF LAST CIRCUIT TRIM (VM)	04/19/2013				
8.) 2016 OUTAGES BY CAUSE					
Animal-	0.0%				
Construction-	0.0%				
Lightning-	0.0%				
Non-Company-	0.0%				
Other/Unknown-	30.0%				
Overload	0.0%				
Planned Work-	0.0%				
Trees-	68.6%				
Utility Equipment-	1.3%				
Vehicle-	0.0%				
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	267.91				
10.) <b>2016 SAIDI</b>	369.29				
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.78				
12.) <b>2016 SAIFI</b>	1.29				
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN					

Tree Trim Scheduled for 2017

1.) SUBSTATION NAME AND NUMBER	ALEXANDER
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	
3.) CIRCUIT NAME AND NUMBER	
	0500
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Woodford South - Troy Pike - S of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	87.2
6.) CUSTOMER COUNT FOR THIS CIRCUIT	879
7.) DATE OF LAST CIRCUIT TRIM (VM)	05/11/2011
8.) 2016 OUTAGES BY CAUSE	
Animal-	0.6%
Construction-	0.0%
Lightning-	0.8%
Non-Company-	0.0%
Other/Unknown-	4.3%
Overload-	0.0%
Planned Work-	0.2%
Trees-	4.1%
Utility Equipment-	2.4%
Vehicle-	87.6%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	224.14
10.) <b>2016 SAIDI</b>	376.02
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.05
12.) <b>2016 SAIFI</b>	2.40
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.)	SUBSTATION NAME AND NUMBER	MIDWAY 12KV
2.)	SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Woodford - 860 Weisenburger Rd - Midway
3.)	CIRCUIT NAME AND NUMBER	0503
4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Midway - Weisenberger Mill Rd - W of Substation
5.)	TOTAL CIRCUIT LENGTH (MILES)	45.8
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	801
7.)	DATE OF LAST CIRCUIT TRIM (VM)	02/11/2012
8.)	2016 OUTAGES BY CAUSE	
	Animal-	2.2%
	Construction-	0.3%
	Lightning-	1.0%
	Non-Company-	0.0%
	Other/Unknown-	2.3%
	Overload	0.1%
	Planned Work-	0.5%
	Trees-	7.0%
	Utility Equipment-	86.6%
	Vehicle-	0.0%
	CIRCUIT 5 YEAR AVERAGE (SAIDI)	76.22
	2016 SAIDI	82.90
	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.79
	2016 SAIFI	1.35
13.)	LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.)	SUBSTATION NAME AND NUMBER	VERSAILLES
2.)	SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Woodford - 150 Tanner Alley - Versailles
3.)	CIRCUIT NAME AND NUMBER	0505
4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Versailles - Main St - N of Substation
5.)	TOTAL CIRCUIT LENGTH (MILES)	5.1
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	544
7.)	DATE OF LAST CIRCUIT TRIM (VM)	06/30/2014
8.)	2016 OUTAGES BY CAUSE	
	Animal-	0.0%
	Construction-	0.0%
	Lightning-	84.1%
	Non-Company-	0.0%
	Other/Unknown-	3.7%
	Overload-	0.0%
	Planned Work-	2.6%
	Trees-	0.0%
	Utility Equipment-	9.6%
	Vehicle-	0.0%
9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	17.51
10.)	2016 SAIDI	29.20
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.32
12.)	2016 SAIFI	1.15
13.)	LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER	VERSAILLES	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Woodford - 150 Tanner Alley - Versailles	
3.) CIRCUIT NAME AND NUMBER	0506	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Versailles - Main St - S of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	5.0	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	504	
7.) DATE OF LAST CIRCUIT TRIM (VM)	06/30/2014	
8.) 2016 OUTAGES BY CAUSE		
Animal-	0.0%	
Construction-	5.1%	
Lightning-	0.0%	
Non-Company- 1.5%		
Other/Unknown- 63.0%		
Overload-	24.7%	
Planned Work-	5.5%	
Trees-	0.0%	
Utility Equipment- 0.0%		
Vehicle-	0.2%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	36.69	
10.) <b>2016 SAIDI</b>	44.62	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.43	
12.) <b>2016 SAIFI</b>	0.33	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN	

1.) SUBSTATION NAME AND NUMBER	VERSAILLES BYPASS
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Woodford - 350 Markham Dr - Versailles
3.) CIRCUIT NAME AND NUMBER	0508
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Versailles - US 60 Bypass - SE of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	3.9
6.) CUSTOMER COUNT FOR THIS CIRCUIT	331
7.) DATE OF LAST CIRCUIT TRIM (VM)	05/14/2013
8.) 2016 OUTAGES BY CAUSE	
Animal-	0.1%
Construction-	1.0%
Lightning-	0.0%
Non-Company-	0.0%
Other/Unknown-	0.7%
Overload-	0.0%
Planned Work-	0.4%
Trees-	13.6%
Utility Equipment-	84.2%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	102.59
10.) <b>2016 SAIDI</b>	224.60
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.71
12.) <b>2016 SAIFI</b>	0.89
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER	VERSAILLES BYPASS	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Woodford - 350 Markham Dr - Versailles	
3.) CIRCUIT NAME AND NUMBER	0509	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Versailles - Frankfort Rd - N of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	135.8	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	1,912	
7.) DATE OF LAST CIRCUIT TRIM (VM)	01/10/2010	
8.) 2016 OUTAGES BY CAUSE		
Animal-	0.7%	
Construction- 0.5%		
Lightning- 28.5%		
Non-Company- 0.1%		
Other/Unknown- 6.5%		
Overload- 0.0%		
Planned Work- 0.2%		
Trees- 55.5%		
Utility Equipment- 7.8%		
Vehicle- 0.1%		
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	189.75	
10.) <b>2016 SAIDI</b>	329.00	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.14	
12.) <b>2016 SAIFI</b>	1.44	

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	MIDWAY 12KV	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Woodford - 860 Weisenburger Rd - Midway	
3.) CIRCUIT NAME AND NUMBER	0516	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Midway - State HWY 341 - N of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	39.8	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	786	
7.) DATE OF LAST CIRCUIT TRIM (VM)	03/24/2012	
8.) 2016 OUTAGES BY CAUSE		
Animal-	1.3%	
Construction-	0.0%	
Lightning-	0.1%	
Non-Company-	0.0%	
Other/Unknown-	0.7%	
Overload- 0.0%		
Planned Work-	8.0%	
Trees- 0.5%		
Utility Equipment-	0.2%	
Vehicle-	89.2%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	90.80	
10.) <b>2016 SAIDI</b>	129.39	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.97	
12.) <b>2016 SAIFI</b>	1.33	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

Reliability Improvements Scheduled for 2017

1.) SUBSTATION NAME AND NUMBER	DENHAM STREET	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Pulaski - 114 Adams St - Somerset	
3.) CIRCUIT NAME AND NUMBER	0531	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Somerset - Monticello St - S of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	5.1	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	202	
7.) DATE OF LAST CIRCUIT TRIM (VM)	12/31/2015	
8.) 2016 OUTAGES BY CAUSE		
Animal-	7.4%	
Construction-	0.0%	
Lightning- 66.9%		
Non-Company- 0.0%		
Other/Unknown-	0.0%	
Overload-	0.0%	
Planned Work-	19.9%	
Trees-	5.8%	
Utility Equipment-	0.0%	
Vehicle-	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	9.83	
10.) <b>2016 SAIDI</b> 13.03		
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.33	
12.) <b>2016 SAIFI</b>	0.18	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR 1	ΓΟ BE TAKEN	
Continue to Monitor		

1.) SUBSTATION NAME AND NUMBER	WAITSBORO
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Pulaski - 676 Old Monticello Rd at W Summitt Dr just W of HWY 27 - Somerset
3.) CIRCUIT NAME AND NUMBER	0533
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Somerset - N & S on HWY 27
5.) TOTAL CIRCUIT LENGTH (MILES)	24.2
6.) CUSTOMER COUNT FOR THIS CIRCUIT	1,111
7.) DATE OF LAST CIRCUIT TRIM (VM)	12/01/2010
8.) 2016 OUTAGES BY CAUSE	
Animal-	0.9%
Construction-	0.0%
Lightning-	0.8%
Non-Company-	0.0%
Other/Unknown-	6.6%
Overload-	0.0%
Planned Work-	0.8%
Trees-	3.4%
Utility Equipment-	0.5%
Vehicle-	87.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	55.51
10.) <b>2016 SAIDI</b>	95.66
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.86
12.) <b>2016 SAIFI</b>	1.18
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER	WAITSBORO	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Pulaski - 676 Old Monticello Rd at W Summitt Dr just W of HWY 27 - Somerset	
3.) CIRCUIT NAME AND NUMBER	0534	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Somerset - Old Monticello Rd - N of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	10.9	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	463	
7.) DATE OF LAST CIRCUIT TRIM (VM)	12/01/2010	
8.) 2016 OUTAGES BY CAUSE		
Animal-	0.3%	
Construction- 0.0%		
Lightning-	0.4%	
Non-Company-	0.0%	
Other/Unknown-	6.8%	
Overload-	0.0%	
Planned Work-	21.3%	
Trees-	66.4%	
Utility Equipment-	0.7%	
Vehicle-	4.2%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	30.03	
10.) <b>2016 SAIDI</b>	75.68	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.26	
12.) <b>2016 SAIFI</b>	0.65	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN	

1.) SUBSTATION NAME AND NUMBER	BURNSIDE	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Pulaski - S Hwy 27 - Burnside	
3.) CIRCUIT NAME AND NUMBER	0544	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Burnside - City of Burnside - NW of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	13.8	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	484	
7.) DATE OF LAST CIRCUIT TRIM (VM)	03/01/2011	
8.) 2016 OUTAGES BY CAUSE		
Animal-	6.2%	
Construction-	0.0%	
Lightning-	74.0%	
Non-Company-	0.0%	
Other/Unknown-	5.4%	
Overload-	0.0%	
Planned Work-	4.8%	
Trees-	4.8%	
Utility Equipment-	4.9%	
Vehicle-	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	114.35	
10.) <b>2016 SAIDI</b>	122.04	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.20	
12.) <b>2016 SAIFI</b>	1.54	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Pulaski - S Hwy 27 - Burnside 3.) CIRCUIT NAME AND NUMBER 0545 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Burnside - HWY 27 & Old 27 - SE of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 8.1 6.) CUSTOMER COUNT FOR THIS CIRCUIT 188 7.) DATE OF LAST CIRCUIT TRIM (VM) 03/01/2011 8.) 2016 OUTAGES BY CAUSE Animal- 0.0% Construction- 0.0% Lightning- 0.0% Non-Company- 0.0% Other/Unknown- 15.7% Overload- 2.2% Planned Work- 0.4% Trees- 66.7% Utility Equipment- 15.0% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 99.11 10.) 2016 SAIDI 165.25 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.53 12.) **2016 SAIFI** 1.11 13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN Continue to Monitor

BURNSIDE

1.) SUBSTATION NAME AND NUMBER

SUBSTATION NAME AND NUMBER WAYNESBURG
 SUBSTATION LOCATION (COUNTY-ROAD-TOWN Lincoln - On Old Somerset Rd (HWY 1247) just S of Clear Fork Rd - Waynesburg
 CIRCUIT NAME AND NUMBER 0547
 CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Waynesburg - KY HWY 1247 - N of Substation
 TOTAL CIRCUIT LENGTH (MILES) 14.7
 CUSTOMER COUNT FOR THIS CIRCUIT 357
 DATE OF LAST CIRCUIT TRIM (VM) 06/09/2012
 2016 OUTAGES BY CAUSE

Animal- 0.3%

Construction- 0.0%

Lightning- 0.1%

Non-Company- 0.0%

Other/Unknown- 0.4%

Overload- 0.0%

Planned Work- 0.0%

Trees- 96.8%

Utility Equipment- 1.3%

Vehicle- 1.1%

9.) CIRCUIT 5 YEAR AVERAGE (SAID	276.83
10.) <b>2016 SAIDI</b>	145.60
11.) CIRCUIT 5 YEAR AVERAGE (SAIF	1.29
12.) <b>2016 SAIFI</b>	2.17

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

1.)	SUBSTATION NAME AND NUMBER	DANIEL BOONE
2.)	SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Hopkins - 500 Daniel Boone Rd - Nortonville
3.)	CIRCUIT NAME AND NUMBER	0557
4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Nortonville - Dan Boone Rd, Squire Rd, Hwy 62 - NW&SE of Subst.
5.)	TOTAL CIRCUIT LENGTH (MILES)	9.8
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	118
7.)	DATE OF LAST CIRCUIT TRIM (VM)	10/14/2011
8.)	2016 OUTAGES BY CAUSE	
	Animal-	0.0%
	Construction-	0.0%
	Lightning-	0.0%
	Non-Company-	0.0%
	Other/Unknown-	78.5%
	Overload-	8.1%
	Planned Work-	0.0%
	Trees-	0.0%
	Utility Equipment-	13.4%
	Vehicle-	0.0%
9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	53.28
10.)	2016 SAIDI	225.39
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.47
12.)	2016 SAIFI	1.90
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1.) SUBSTATION NAME AND NUMBER	EDDYVILLE	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	<b>V</b> Lyon - 1765 S R 3305 - Eddyville	
3.) CIRCUIT NAME AND NUMBER	0560	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Eddyville - US HWY 62 & Riley Rd - NE of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	46.8	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	458	
7.) DATE OF LAST CIRCUIT TRIM (VM)	04/10/2010	
8.) 2016 OUTAGES BY CAUSE	3 (7 25) 2525	
Animal- 0.9%		
Construction- 0.0%		
Lightning- 0.1%		
Non-Company- 0.0%		
Other/Unknown- 1.9%		
Overload- 0.0%		
Planned Work- 0.2%		
Trees- 0.9%		
Utility Equipment- 95.9%		
Vehicle-		
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	61.10	
10.) <b>2016 SAIDI</b>	105.72	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.18	
12.) <b>2016 SAIFI</b>	1.09	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR		

1.) SUBSTATION NAME AND NUMBER	WHITLEY CITY
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	McCreary - Corner of US HWY 27 & Hicks Rd - Stearns-Whitley City
3.) CIRCUIT NAME AND NUMBER	0575
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Stearns-Whitley City - Tunnel Ridge Rd - SW of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	11.2
6.) CUSTOMER COUNT FOR THIS CIRCUIT	623
7.) DATE OF LAST CIRCUIT TRIM (VM)	07/31/2015
8.) 2016 OUTAGES BY CAUSE	
Animal-	0.4%
Construction-	0.0%
Lightning-	32.5%
Non-Company-	0.0%
Other/Unknown-	0.5%
Overload-	0.0%
Planned Work-	0.6%
Trees-	20.6%
Utility Equipment-	45.4%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	111.66
10.) <b>2016 SAIDI</b>	365.14
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.96

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

Continue to Monitor

12.) **2016 SAIFI** 

3.09

1.) SUBSTATION NAME AND NUMBER WHITLEY CITY 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN McCreary - Corner of US HWY 27 & Hicks Rd - Stearns-Whitley City 3.) CIRCUIT NAME AND NUMBER 0576 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Stearns-Whitley City - US HWY 27 - N of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 39.3 6.) CUSTOMER COUNT FOR THIS CIRCUIT 749 7.) DATE OF LAST CIRCUIT TRIM (VM) 02/13/2014 8.) 2016 OUTAGES BY CAUSE Animal- 0.0% Construction- 0.0% Lightning- 19.9% Non-Company- 0.0% Other/Unknown- 1.0% Overload- 0.0% Planned Work- 3.7% Trees- 75.4% Utility Equipment- 0.1% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 478.73 10.) 2016 SAIDI 708.21 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 2.25 12.) 2016 SAIFI 3.75

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

REVELO	
McCreary - N of 4850 S HWY 1651 - Stearns-Whitley City	
0577	
Stearns-Whitley City - N & S on State HWY 1651	
16.7	
550	
06/30/2015	
Animal- 0.4%	
Construction- 0.0%	
Lightning- 0.0%	
Non-Company- 0.0%	
Other/Unknown- 1.1%	
Overload- 0.0%	
Planned Work- 1.3%	
80.0%	
Utility Equipment- 17.1%	
0.0%	
37.20	
96.79	
0.41	
1.07	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	

1.) SUBSTATION NAME AND NUMBER	WILMORE 12KV	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Jessamine - 210 W Linden St - Wilmore		
3.) CIRCUIT NAME AND NUMBER	0586	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Wilmore - Lexington Rd - N of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	48.3	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	1,275	
7.) DATE OF LAST CIRCUIT TRIM (VM)	10/13/2012	
8.) 2016 OUTAGES BY CAUSE		
Animal-	2.6%	
Construction-	0.0%	
Lightning-	0.0%	
Non-Company-	0.0%	
Other/Unknown-	3.5%	
Overload-	0.0%	
Planned Work-	1.1%	
Trees-	0.2%	
Utility Equipment-	56.4%	
Vehicle-	36.3%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	109.21	
10.) <b>2016 SAIDI</b>	159.17	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.85	
12.) <b>2016 SAIFI</b>	1.42	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1.) SUBSTATION NAME AND NUMBER	INNOVATION DRIVE
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Fayette - 2350 Innovation Dr - Lexington
3.) CIRCUIT NAME AND NUMBER	0591
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - Jaggie Fox Way - S of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	5.5
6.) CUSTOMER COUNT FOR THIS CIRCUIT	94
7.) DATE OF LAST CIRCUIT TRIM (VM)	08/29/2015
8.) 2016 OUTAGES BY CAUSE	
Animal- 0.0%	
Construction- 0.0%	
Lightning- 0.0%	
Non-Company- 0.0%	
Other/Unknown- 1.5%	
Overload-	0.0%
Planned Work-	3.5%
Trees-	86.9%
Utility Equipment-	8.2%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	86.00
10.) <b>2016 SAIDI</b>	176.14
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.71
12.) <b>2016 SAIFI</b>	0.90
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	

1.) SUBSTATION NAME AND NUMBER	INNOVATION DRIVE
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Fayette - 2350 Innovation Dr - Lexington
3.) CIRCUIT NAME AND NUMBER	0594
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - Greendale Rd - W of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	22.1
6.) CUSTOMER COUNT FOR THIS CIRCUIT	1,693
7.) DATE OF LAST CIRCUIT TRIM (VM)	08/29/2015
8.) 2016 OUTAGES BY CAUSE	
Animal- 0.0%	
Construction- 0.0%	
Lightning-	0.0%
Non-Company- 0.0%	
Other/Unknown- 5.9%	
Overload-	3.5%
Planned Work-	0.0%
Trees- (	0.0%
Utility Equipment- 9	90.6%
Vehicle- (	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	7.49
10.) <b>2016 SAIDI</b>	6.82
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.05
12.) <b>2016 SAIFI</b>	0.07
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	

1.) SUBSTATION NAME AND NUMBER	MOUNT STERLING 12KV
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Montgomery 346 Calk Ave - Mount Sterling
3.) CIRCUIT NAME AND NUMBER	0600
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Mount Sterling - Fogg Pike - SW of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	22.9
6.) CUSTOMER COUNT FOR THIS CIRCUIT	842
7.) DATE OF LAST CIRCUIT TRIM (VM)	03/07/2014
8.) 2016 OUTAGES BY CAUSE	
Animal- 2.5%	
Construction- 0.5%	
Lightning-	0.1%
Non-Company- 0.0%	
Other/Unknown- 17.2%	
Overload- 0.0%	
Planned Work- 26.0%	
Trees-	0.7%
Utility Equipment-	1.0%
Vehicle-	52.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	56.86
10.) <b>2016 SAIDI</b>	172.91
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.69
12.) <b>2016 SAIFI</b>	1.93
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	

1 \ CURSTATION NAME AND ADDRESS	
1.) SUBSTATION NAME AND NUMBER	CAMARGO
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Montgomery - 555 S Queen St - Mt Sterling	
3.) CIRCUIT NAME AND NUMBER	0605
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Mount Sterling - 686 Bypass & Spencer Rd - E of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	38.6
6.) CUSTOMER COUNT FOR THIS CIRCUIT	1,304
7.) DATE OF LAST CIRCUIT TRIM (VM)	05/03/2014
8.) 2016 OUTAGES BY CAUSE	
Animal- 0.4%	
Construction- 15.4%	
Lightning- 0.1%	
Non-Company- 39.6%	
Other/Unknown- 42.2%	
Overload- 0.0%	
Planned Work- 1.1%	
Trees-	0.1%
Utility Equipment- 1.3%	
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	53.36
10.) <b>2016 SAIDI</b>	97.61
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.60
12.) <b>2016 SAIFI</b>	1.79
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	

1.) SUBSTATION NAME AND NUMBER	A O SMITH
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Montgomery - 1871 Owingsville Rd - Mt. Sterling	
3.) CIRCUIT NAME AND NUMBER	0606
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Mount Sterling - Owingsville Rd - E of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	1.4
6.) CUSTOMER COUNT FOR THIS CIRCUIT	21
7.) DATE OF LAST CIRCUIT TRIM (VM)	Underground Circuit
8.) 2016 OUTAGES BY CAUSE	
Animal- 0.0%	
Construction- 0.0%	
Lightning- 0.0%	
Non-Company-	0.0%
Other/Unknown-	0.0%
Overload-	0.0%
Planned Work-	100.0%
Trees-	0.0%
Utility Equipment-	0.0%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	39.92
10.) <b>2016 SAIDI</b>	96.29
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.51
12.) <b>2016 SAIFI</b>	0.29
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	

1.) SUBSTATION NAME AND NUMBER	OWINGSVILLE	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Montgomery - 69 W Paul Lewis Dr - Owingsville	
3.) CIRCUIT NAME AND NUMBER	0610	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Owingsville - Slate Ave - S of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	9.0	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	465	
7.) DATE OF LAST CIRCUIT TRIM (VM)	07/03/2016	
8.) 2016 OUTAGES BY CAUSE		
Animal-	0.0%	
Construction-	0.0%	
Lightning-	1.6%	
Non-Company-	0.0%	
Other/Unknown-	0.7%	
Overload-	0.0%	
Planned Work-	0.0%	
Trees-	0.0%	
Utility Equipment-	97.7%	
Vehicle-	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	11.60	
10.) <b>2016 SAIDI</b>	24.21	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.12	
12.) <b>2016 SAIFI</b>	0.18	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1.)	SUBSTATION NAME AND NUMBER	MOREHEAD WEST
2.)	SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Rowan - 133 Gregory Ct - Morehead
3.)	CIRCUIT NAME AND NUMBER	0616
4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Morehead - US HWY 60 - SW of Substation
5.)	TOTAL CIRCUIT LENGTH (MILES)	8.1
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	394
7.)	DATE OF LAST CIRCUIT TRIM (VM)	03/30/2012
8.)	2016 OUTAGES BY CAUSE	
	Animal-	0.0%
	Construction-	79.0%
	Lightning-	0.0%
	Non-Company-	0.0%
	Other/Unknown-	0.0%
	Overload-	0.0%
	Planned Work-	2.7%
	Trees- (	0.0%
	Utility Equipment-	18.4%
	Vehicle- (	0.0%
9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	29.51
10.)	2016 SAIDI	18.36
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.39
12.)	2016 SAIFI	1.06
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1.) SUBSTATION NAME AND NUMBER	MOREHEAD 4KV
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Rowan - 100 E Wilkinson Blvd - Morehead
3.) CIRCUIT NAME AND NUMBER	0618
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Morehead - Wilkinson Blvd - SW of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	1.2
6.) CUSTOMER COUNT FOR THIS CIRCUIT	111
7.) DATE OF LAST CIRCUIT TRIM (VM)	06/18/2012
8.) 2016 OUTAGES BY CAUSE	
Animal-	0.0%
Construction-	0.0%
Lightning-	0.0%
Non-Company-	0.0%
Other/Unknown-	0.0%
Overload	0.0%
Planned Work-	100.0%
Trees-	0.0%
Utility Equipment-	0.0%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	4.74
10.) <b>2016 SAIDI</b>	7.67
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.06
12.) <b>2016 SAIFI</b>	0.07
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.)	SUBSTATION NAME AND NUMBER	RODBURN 12KV
2.)	SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Rowan - 1974 US HWY 60 E - Morehead
3.)	CIRCUIT NAME AND NUMBER	0622
4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Morehead - Midland Trail - NE of Substation
5.)	TOTAL CIRCUIT LENGTH (MILES)	5.6
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	236
7.)	DATE OF LAST CIRCUIT TRIM (VM)	06/21/2012
8.)	2016 OUTAGES BY CAUSE	
	Animal-	0.0%
	Construction-	0.0%
	Lightning-	0.0%
	Non-Company-	0.0%
	Other/Unknown-	1.1%
	Overload-	0.0%
	Planned Work-	18.8%
	Trees-	80.1%
	Utility Equipment-	0.0%
	Vehicle-	0.0%
9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	33.09
10.)	2016 SAIDI	83.64
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.32
12.)	2016 SAIFI	1.14
13.)	LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

SUBSTATION NAME AND NUMBER RODBURN 12KV
 SUBSTATION LOCATION (COUNTY-ROAD-TOWN Rowan - 1974 US HWY 60 E - Morehead
 CIRCUIT NAME AND NUMBER 0623
 CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Morehead - Rodburn Hollow Rd - NW of Substation
 TOTAL CIRCUIT LENGTH (MILES) 4.4
 CUSTOMER COUNT FOR THIS CIRCUIT 304
 DATE OF LAST CIRCUIT TRIM (VM) 06/21/2012
 2016 OUTAGES BY CAUSE

Animal- 0.0%

Construction- 0.7%

Lightning- 20.2%

Non-Company- 0.0%

Other/Unknown- 47.0%

Overload- 0.0%

Planned Work- 0.0%

Trees- 25.2%

Utility Equipment- 6.9%

Vehicle- 0.0%

9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	125.82
10.)	2016 SAIDI	86.84
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.55
12.)	2016 SAIFI	0.65

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

1.) SUBSTATION NAME AND NUMBER	ROCKWELL
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Clark - 5835 Rockwell Rd - Winchester
3.) CIRCUIT NAME AND NUMBER	0626
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Winchester - Lexington Rd - E of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	17.7
6.) CUSTOMER COUNT FOR THIS CIRCUIT	596
7.) DATE OF LAST CIRCUIT TRIM (VM)	04/29/2016
8.) 2016 OUTAGES BY CAUSE	
Animal-	21.5%
Construction-	0.0%
Lightning-	10.5%
Non-Company-	0.0%
Other/Unknown-	22.0%
Overload	9.1%
Planned Work-	12.2%
Trees-	23.3%
Utility Equipment-	1.4%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	33.10
10.) <b>2016 SAIDI</b>	96.20
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.33
12.) <b>2016 SAIFI</b>	0.71
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER	ROCKWELL
2.) SUBSTATION LOCATION (COUNTY-ROA	AD-TOWN Clark - 5835 Rockwell Rd - Winchester
3.) CIRCUIT NAME AND NUMBER	0628
4.) CIRCUIT LOCATION (COUNTY-ROAD-TO	OWN) Winchester - Lexington RD - SE of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	21.4
6.) CUSTOMER COUNT FOR THIS CIRCUIT	1,714
7.) DATE OF LAST CIRCUIT TRIM (VM)	08/26/2016
8.) 2016 OUTAGES BY CAUSE	
	Animal- 1.2%
Con	struction- 0.0%
1	ightning- 0.2%
Non-C	Company- 48.0%
Other/U	Jnknown- 0.1%
	Overload- 0.0%
Plann	ed Work- 0.3%
	Trees- 2.6%
Utility Eq	uipment- 45.6%
	Vehicle- 1.9%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	32.97
10.) <b>2016 SAIDI</b>	75.63
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.80
12.) <b>2016 SAIFI</b>	1.52
13.) LIST OF CORRECTIVE ACTION, IF ANY, T	AKEN OR TO BE TAKEN
2	

1.)	SUBSTATION NAME AND NUMBER	PARKER SEAL
2.)	SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Clark - 390 Mt Sterling Rd - Winchester
3.)	CIRCUIT NAME AND NUMBER	0630
4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Winchester - Cherry St - SW of Substation
5.)	TOTAL CIRCUIT LENGTH (MILES)	17.6
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	1,414
7.)	DATE OF LAST CIRCUIT TRIM (VM)	04/15/2015
8.)	2016 OUTAGES BY CAUSE	
	Animal-	0.7%
	Construction-	0.0%
	Lightning-	3.5%
	Non-Company-	0.0%
	Other/Unknown-	1.4%
	Overload-	0.0%
	Planned Work-	1.1%
	Trees-	11.2%
	Utility Equipment-	0.3%
	Vehicle-	81.8%
9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	47.26
10.)	2016 SAIDI	88.10
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.63
12.)	2016 SAIFI	1.18
13.)	LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.	SUBSTATION NAME AND NUMBER	WINCHESTER
2.	SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Clark - 2 Almond St - Winchester
3.	CIRCUIT NAME AND NUMBER	0634
4.	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Winchester - Maple St - S of Substation
5.)	TOTAL CIRCUIT LENGTH (MILES)	1.6
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	252
7.)	DATE OF LAST CIRCUIT TRIM (VM)	07/03/2016
8.)	2016 OUTAGES BY CAUSE	
	Animal-	0.0%
	Construction-	0.0%
	Lightning-	0.0%
	Non-Company-	0.0%
	Other/Unknown-	0.0%
	Overload-	0.0%
	Planned Work-	7.6%
	Trees-	0.0%
	Utility Equipment-	92.4%
	Vehicle- (	0.0%
9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	13.56
10.)	2016 SAIDI	34.98
	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.26
	2016 SAIFI	1.00
13.)	LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.)	SUBSTATION NAME AND NUMBER	WINCHESTER SOUTH
2.)	SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Clark - 105 Hood Ave - Winchester
3.)	CIRCUIT NAME AND NUMBER	0636
4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Winchester - Boone Ave & S Main St - E of Substation
5.)	TOTAL CIRCUIT LENGTH (MILES)	2.7
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	313
7.)	DATE OF LAST CIRCUIT TRIM (VM)	07/09/2011
8.)	2016 OUTAGES BY CAUSE	
	Animal-	0.0%
	Construction-	0.0%
	Lightning-	0.0%
	Non-Company-	0.0%
	Other/Unknown-	0.0%
	Overload	0.0%
	Planned Work-	20.6%
	Trees-	1.6%
	Utility Equipment-	4.8%
	Vehicle-	73.0%
9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	16.48
	2016 SAIDI	54.81
	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.33
	2016 SAIFI	1.20
13.) (	LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.)	SUBSTATION NAME AND NUMBER	WINCHESTER COUTU
		WINCHESTER SOUTH
	SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Clark - 105 Hood Ave - Winchester
	CIRCUIT NAME AND NUMBER	0637
4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Winchester - Belmont Ave & S Burns Ave - NE of Substation
5.)	TOTAL CIRCUIT LENGTH (MILES)	2.9
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	381
7.)	DATE OF LAST CIRCUIT TRIM (VM)	09/01/2015
8.)	2016 OUTAGES BY CAUSE	
	Animal-	0.0%
	Construction-	0.0%
	Lightning-	0.0%
	Non-Company-	0.0%
	Other/Unknown-	100.0%
	Overload-	0.0%
	Planned Work-	0.0%
	Trees-	0.0%
	Utility Equipment-	0.0%
	Vehicle-	0.0%
9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	2.51
10.)	2016 SAIDI	1.00
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.23
12.)	2016 SAIFI	1.00
13.)	LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER	WINCHESTER WATER
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Clark - 335 Waterworks Rd - Winchester
3.) CIRCUIT NAME AND NUMBER	0641
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Winchester - Old Boonesboro Rd - N of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	23.1
6.) CUSTOMER COUNT FOR THIS CIRCUIT	1,089
7.) DATE OF LAST CIRCUIT TRIM (VM)	11/30/2016
8.) 2016 OUTAGES BY CAUSE	
Animal-	1.9%
Construction-	0.0%
Lightning-	53.6%
Non-Company-	0.0%
Other/Unknown-	2.4%
Overload-	0.0%
Planned Work-	2.1%
Trees-	39.1%
Utility Equipment-	0.6%
Vehicle-	0.3%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	33.46
10.) <b>2016 SAIDI</b>	41.12
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.45
12.) <b>2016 SAIFI</b>	0.52
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

Trees Trimmed in 2016

1.) SUBSTATION NAME AND NUMBER	WINCHESTER WATER
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Clark - 335 Waterworks Rd - Winchester
3.) CIRCUIT NAME AND NUMBER	0642
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Winchester - Waterworks Rd - E of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	24.8
6.) CUSTOMER COUNT FOR THIS CIRCUIT	205
7.) DATE OF LAST CIRCUIT TRIM (VM)	10/29/2012
8.) 2016 OUTAGES BY CAUSE	
Animal-	1.2%
Construction-	0.0%
Lightning-	10.8%
Non-Company-	0.0%
Other/Unknown-	7.6%
Overload-	0.0%
Planned Work-	0.0%
Trees-	67.6%
Utility Equipment-	12.9%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	65.07
10.) <b>2016 SAIDI</b>	75.75
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.47
12.) <b>2016 SAIFI</b>	0.60
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	

1.) SUBSTATION NAME AND NUMBER	BOONESBORO	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	<b>V</b> Clark - 170 Settlers Ln Winchester	
3.) CIRCUIT NAME AND NUMBER	0643	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Town - Road - General Area	
5.) TOTAL CIRCUIT LENGTH (MILES)	8.6	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	110	
7.) DATE OF LAST CIRCUIT TRIM (VM)	12/15/2012	
8.) 2016 OUTAGES BY CAUSE		
Animal	· 2.8%	
Construction-	0.0%	
Lightning- 1.3%		
Non-Company- 0.0%		
Other/Unknown- 0.7%		
Overload- 0.0%		
Planned Work- 7.6%		
Trees- 85.6%		
Utility Equipment- 1.9%		
Vehicle-	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	115.49	
10.) <b>2016 SAIDI</b>	83.80	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.51	
12.) <b>2016 SAIFI</b>	0.59	

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

Tree Trim Scheduled for 2017

1.) SUBSTATION NAME AND NUMBER	WINCHESTER INDUSTRIAL
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOW	<b>V</b> Clark - 705 Tech Dr - Winchester
3.) CIRCUIT NAME AND NUMBER	0645
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Winchester - Tech Dr, Rolling Hills Ln, Corporate Dr - W of Subs.
5.) TOTAL CIRCUIT LENGTH (MILES)	3.0
6.) CUSTOMER COUNT FOR THIS CIRCUIT	14
7.) DATE OF LAST CIRCUIT TRIM (VM)	07/01/2015
8.) 2016 OUTAGES BY CAUSE	
Animal	- 0.0%
Construction	- 0.0%
Lightning	· 0.0%
Non-Company.	
Other/Unknown	49.5%
Overload-	
Planned Work-	
Trees-	
Utility Equipment-	
Vehicle-	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	1.81
10.) <b>2016 SAIDI</b>	7.93
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.04
12.) <b>2016 SAIFI</b>	0.14
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER MUHLENBERG PRISON 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Muhlenberg - 1200 River Rd - Central City 3.) CIRCUIT NAME AND NUMBER 0657 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Central City - Hwy 431, S R 81, & S Carrolton St - NW of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 45.4 6.) CUSTOMER COUNT FOR THIS CIRCUIT 786 7.) DATE OF LAST CIRCUIT TRIM (VM) 08/27/2013 8.) 2016 OUTAGES BY CAUSE Animal- 0.5% Construction- 0.0% Lightning- 75.0% Non-Company- 0.0% Other/Unknown- 6.4% Overload- 0.0% Planned Work- 3.4% Trees- 12.6% Utility Equipment- 2.1% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 185.97 10.) 2016 SAIDI 387.61

10.) 2016 SAIDI 387.61
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.70
12.) 2016 SAIFI 1.92

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

1.) SUBSTATION NAME AND NUMBER	CAMARGO	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	<b>V</b> Montgomery - 555 S Queen St - Mt Sterling	
3.) CIRCUIT NAME AND NUMBER	0658	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Mt Sterling - US 460 Hwy, By-Pass, Burley Dr - SW of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	4.8	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	313	
7.) DATE OF LAST CIRCUIT TRIM (VM)	12/09/2013	
8.) 2016 OUTAGES BY CAUSE		
Animal	- 0.0%	
Construction-	- 0.0%	
Lightning- 0.0%		
Non-Company-	0.0%	
Other/Unknown-	45.8%	
Overload-	0.0%	
Planned Work-	0.0%	
Trees-	0.0%	
Utility Equipment-	0.0%	
Vehicle-	54.2%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	6.80	
10.) <b>2016 SAIDI</b>	4.66	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.11	
12.) <b>2016 SAIFI</b>	0.12	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1.) SUBSTATION NAME AND NUMBER	BEECHMONT
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Muhlenberg - 3660 Merle Travis Hwy - Beechmont
3.) CIRCUIT NAME AND NUMBER	0695
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Beechmont - US Hwy 431 - N of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	11.4
6.) CUSTOMER COUNT FOR THIS CIRCUIT	320
7.) DATE OF LAST CIRCUIT TRIM (VM)	05/07/2013
8.) 2016 OUTAGES BY CAUSE	
Animal-	0.0%
Construction-	0.0%
Lightning- 0.0%	
Non-Company-	0.0%
Other/Unknown-	0.9%
Overload-	0.0%
Planned Work-	92.7%
Trees-	3.0%
Utility Equipment-	1.7%
Vehicle-	1.7%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	34.58
10.) <b>2016 SAIDI</b>	86.31
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.42
12.) <b>2016 SAIFI</b>	1.08
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	

1.) SUBSTATION NAME AND NUMBER	BEECHMONT
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	<b>N</b> Muhlenberg - 3660 Merle Travis Hwy - Beechmont
3.) CIRCUIT NAME AND NUMBER	0696
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Beechmont - US Hwy 431, Hazel Creek Rd - SE of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	16.0
6.) CUSTOMER COUNT FOR THIS CIRCUIT	372
7.) DATE OF LAST CIRCUIT TRIM (VM)	06/29/2013
8.) 2016 OUTAGES BY CAUSE	
Animal	- 0.3%
Construction	- 0.0%
Lightning- 0.0%	
Non-Company- 0.0%	
Other/Unknown-	9.7%
Overload	1.3%
Planned Work-	71.5%
Trees-	17.1%
Utility Equipment-	0.0%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	40.26
10.) <b>2016 SAIDI</b>	112.32
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.48
12.) <b>2016 SAIFI</b>	1.25
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	

1.) SUBSTATION NAME AND NUMBER	SIMMONS	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Ohio - 5798 US HWY 62 W - Centertown	
3.) CIRCUIT NAME AND NUMBER	0698	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Centertown - US HWY 62 - E of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	2.5	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	23	
7.) DATE OF LAST CIRCUIT TRIM (VM)	04/28/2012	
8.) 2016 OUTAGES BY CAUSE		
Animal- 0.0%		
Construction- 0.0%		
Lightning-	0.0%	
Non-Company-	0.0%	
Other/Unknown-	0.0%	
Overload-	0.0%	
Planned Work-	100.0%	
Trees-	0.0%	
Utility Equipment-	0.0%	
Vehicle-	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	1.32	
10.) <b>2016 SAIDI</b>	3.57	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.02	
12.) <b>2016 SAIFI</b>	0.04	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN	

1.) SUBSTATION NAME AND NUMBER	BEDFORD RECC	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	<b>√</b> Trimble - 660 Cutshaw - Bedford	
3.) CIRCUIT NAME AND NUMBER	0700	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Bedford - City of Bedford/Highway 421N - W of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	33.0	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	881	
7.) DATE OF LAST CIRCUIT TRIM (VM)	06/28/2014	
8.) 2016 OUTAGES BY CAUSE		
Animal-	0.3%	
Construction-	12.6%	
Lightning-	10.8%	
Non-Company- 0.0%		
Other/Unknown- 6.7%		
Overload- 0.0%		
Planned Work- 2.0%		
Trees- 5.5%		
Utility Equipment- 62.1%		
Vehicle- 0.0%		
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	15.75	
10.) <b>2016 SAIDI</b>	35.59	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.11	
12.) <b>2016 SAIFI</b> 0.22		
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1) (4)		
1.) SUBSTATION NAME AND NUMBER	CAMPBELLSBURG	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Henry - 379 Turners Station Rd Campbellsburg	
3.) CIRCUIT NAME AND NUMBER	0703	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Campbellsburg - Hwy 193 & Webb Ln - W & E of Sub.	
5.) TOTAL CIRCUIT LENGTH (MILES)	50.2	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	933	
7.) DATE OF LAST CIRCUIT TRIM (VM)	07/27/2013	
8.) 2016 OUTAGES BY CAUSE		
Animal- 0.9%		
Construction-	0.0%	
Lightning-	1.4%	
Non-Company-	0.4%	
Other/Unknown-	41.2%	
Overload-	0.0%	
Planned Work-	0.0%	
Trees-	54.1%	
Utility Equipment-	2.0%	
Vehicle-	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	161.95	
10.) <b>2016 SAIDI</b>	141.08	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.29	
12.) <b>2016 SAIFI</b>	1.42	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1.) SUBSTATION NAME AND NUMBER	OWENTON	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Owen - 327 Gayle Avenue - Owenton	
3.) CIRCUIT NAME AND NUMBER	0715	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Owenton - Madison St - S of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	1.4	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	175	
7.) DATE OF LAST CIRCUIT TRIM (VM)	10/13/2012	
8.) 2016 OUTAGES BY CAUSE		
Animal-	0.0%	
Construction-	0.0%	
Lightning-	0.0%	
Non-Company- 0.0%		
Other/Unknown- 14.4%		
Overload- 0.0%		
Planned Work- 9.8%		
Trees-	0.0%	
Utility Equipment-	75.8%	
Vehicle-	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	10.02	
10.) <b>2016 SAIDI</b>	10.44	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.25	
12.) <b>2016 SAIFI</b>	0.11	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1.) SUBSTATION NAME AND NUMBER	GHENT	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Carroll - 402 Liberty - Ghent	
3.) CIRCUIT NAME AND NUMBER	0717	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Ghent - US HWY 42 - NE & SW of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	7.9	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	288	
7.) DATE OF LAST CIRCUIT TRIM (VM)	05/19/2012	
8.) 2016 OUTAGES BY CAUSE		
Animal-	0.0%	
Construction-	0.0%	
Lightning-	37.1%	
Non-Company- 0.0%		
Other/Unknown- 0.0%		
Overload- 0.0%		
Planned Work- 1.2%		
Trees- 55.5%		
Utility Equipment- 6.2%		
Vehicle- 0.0%		
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	31.47	
10.) <b>2016 SAIDI</b>	78.80	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.32		
12.) <b>2016 SAIFI</b> 0.33		
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

Tree Trim Scheduled for 2017

1.) SUBSTATION NAME AND NUMBER	METAL & THERMIT	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Carroll - 2318 Highland Ave - Carrollton	
3.) CIRCUIT NAME AND NUMBER	0722	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Carrollton - Easterday Rd, Highland Ave - NE and SE of Subst.	
5.) TOTAL CIRCUIT LENGTH (MILES)	15.8	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	435	
7.) DATE OF LAST CIRCUIT TRIM (VM)	09/27/2014	
8.) 2016 OUTAGES BY CAUSE		
Animal- 0.2%		
Construction-	3.7%	
Lightning-	0.0%	
Non-Company-	0.0%	
Other/Unknown-	0.2%	
Overload	0.0%	
Planned Work-	18.6%	
Trees-	46.2%	
Utility Equipment-	18.7%	
Vehicle-	12.4%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	19.83	
10.) <b>2016 SAIDI</b>	31.58	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.22	
12.) <b>2016 SAIFI</b>	0.38	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1.) SUBSTATION NAME AND NUMBER	WARSAW	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Gallatin - RR 1 Box 51 - Warsaw	
3.) CIRCUIT NAME AND NUMBER 0727		
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Warsaw - City of Warsaw - N of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	7.3	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	500	
7.) DATE OF LAST CIRCUIT TRIM (VM)	06/16/2012	
8.) 2016 OUTAGES BY CAUSE		
Animal-	0.0%	
Construction- 0.0%		
Lightning-	5.4%	
Non-Company- 0.0%		
Other/Unknown-	2.2%	
Overload- 3.5%		
Planned Work-	0.5%	
Trees-	1.9%	
Utility Equipment-	2.8%	
Vehicle-	83.8%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	33.10	
10.) <b>2016 SAIDI</b>	60.28	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.37	
12.) <b>2016 SAIFI</b>	1.12	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1.) SUBSTATION NAME AND NUMBER	WARSAW
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Gallatin - RR 1 Box 51 - Warsaw
3.) CIRCUIT NAME AND NUMBER	0728
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Warsaw - Dry Creek Rd - S & E of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	9.7
6.) CUSTOMER COUNT FOR THIS CIRCUIT	92
7.) DATE OF LAST CIRCUIT TRIM (VM)	12/21/2013
8.) 2016 OUTAGES BY CAUSE	
Animal-	0.0%
Construction-	0.0%
Lightning-	7.3%
Non-Company-	53.0%
Other/Unknown- 0.0%	
Overload- 0.0%	
Planned Work-	7.6%
Trees-	32.2%
Utility Equipment-	0.0%
Vehicle- (	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	30.25
10.) <b>2016 SAIDI</b>	120.56
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.18
12.) <b>2016 SAIFI</b>	0.74
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR 1	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER	DETROIT HARVESTER 12KV	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Bourbon - 115 W 20th St - Paris	
3.) CIRCUIT NAME AND NUMBER	0801	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Paris - Bypass Rd, S Main, US 27/66, Bethlehem Rd - SW of Sub	
5.) TOTAL CIRCUIT LENGTH (MILES)	86.7	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	1,785	
7.) DATE OF LAST CIRCUIT TRIM (VM)	10/24/2014	
8.) 2016 OUTAGES BY CAUSE		
Animal	1.0%	
Construction	1.0%	
Lightning- 71.8%		
Non-Company- 1.0%		
Other/Unknown- 4.8%		
Overload- 1.4%		
Planned Work- 2.4%		
Trees-	5.3%	
Utility Equipment-	11.3%	
Vehicle-	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	45.66	
10.) <b>2016 SAIDI</b>	58.17	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.53	
12.) <b>2016 SAIFI</b>	1.21	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1.) SUBSTATION NAME AND NUMBER	DETROIT HARVESTER 12KV	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Bourbon - 115 W 20th St - Paris	
3.) CIRCUIT NAME AND NUMBER	0802	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Paris - Bypass Rd, Cynthiana Rd - N of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	24.8	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	197	
7.) DATE OF LAST CIRCUIT TRIM (VM)	06/21/2014	
8.) 2016 OUTAGES BY CAUSE		
Animal-	4.3%	
Construction-	89.3%	
Lightning-	0.0%	
Non-Company-	0.0%	
Other/Unknown-	2.6%	
Overload-	0.0%	
Planned Work-	0.8%	
Trees-	0.0%	
Utility Equipment-	3.1%	
Vehicle-	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	58.68	
10.) <b>2016 SAIDI</b>	4.20	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.75	
12.) <b>2016 SAIFI</b>	1.05	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1.) SUBSTATION NAME AND NUMBER
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Bourbon - 520 Scott Ave - Paris
3.) CIRCUIT NAME AND NUMBER
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Paris - Cane Ridge Rd/KY 537, US HWY 68, & Bypass Rd - NE of Substation
5.) TOTAL CIRCUIT LENGTH (MILES) 112.4
6.) CUSTOMER COUNT FOR THIS CIRCUIT
7.) DATE OF LAST CIRCUIT TRIM (VM) 06/01/2013
8.) 2016 OUTAGES BY CAUSE

Animal- 5.9%

Construction- 3.1%

Lightning- 8.2%

Non-Company- 1.7%

Other/Unknown- 3.8%

Overload- 0.0%

Planned Work- 0.0%

Trees- 38.0%

Utility Equipment- 39.3%

Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	125.89
10.) <b>2016 SAIDI</b>	73.00
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.01
12.) <b>2016 SAIFI</b>	1.06

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

1.) SUBSTATION NAME AND NUMBER MILLERSBURG 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Bourbon - Vimont Ln. - Millersburg 3.) CIRCUIT NAME AND NUMBER 0808 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Millersburg - Old US Hwy 68/Vimont St/HWY 68/HWY 1879 - NE/NW/SW of Subst. 5.) TOTAL CIRCUIT LENGTH (MILES) 34.3 6.) CUSTOMER COUNT FOR THIS CIRCUIT 642 7.) DATE OF LAST CIRCUIT TRIM (VM) 10/19/2015 8.) 2016 OUTAGES BY CAUSE Animal- 0.8% Construction- 0.0% Lightning- 0.1% Non-Company- 0.0% Other/Unknown- 84.0% Overload- 0.0% Planned Work- 2.3% Trees- 0.1% Utility Equipment- 12.7% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 69.10 10.) 2016 SAIDI 161.81 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.67 12.) 2016 SAIFI 1.47

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

SUBSTATION NAME AND NUMBER
 HANSON
 Hopkins - 235 Fowler Rd - Hanson
 OB11
 CIRCUIT NAME AND NUMBER
 OB11
 CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Hanson - US HWY 41 & City of Hanson - N of Substation
 TOTAL CIRCUIT LENGTH (MILES) 17.2
 CUSTOMER COUNT FOR THIS CIRCUIT 608
 OB8/02/2014

8.) 2016 OUTAGES BY CAUSE

Animal- 0.0%

Construction- 0.0%

Lightning- 27.5%

Non-Company- 0.0%

Other/Unknown- 3.0%

Overload- 0.0%

Planned Work- 0.2%

Trees- 0.2%

Utility Equipment- 69.1%

Vehicle- 0.0%

9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	126.95
10.)	2016 SAIDI	408.01
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.99
12.)	2016 SAIFI	1.09

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

1.) SUBSTATION NAME AND NUMBER	CROSSROADS
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Hopkins - 1340 Amanda Ln - Nortonville
3.) CIRCUIT NAME AND NUMBER	0812
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Nortonville - Wells Rd - W of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	6.1
6.) CUSTOMER COUNT FOR THIS CIRCUIT	78
7.) DATE OF LAST CIRCUIT TRIM (VM)	01/25/2013
8.) 2016 OUTAGES BY CAUSE	
Animal-	0.0%
Construction-	0.0%
Lightning-	2.3%
Non-Company- 0.0%	
Other/Unknown- 97.4%	
Overload- 0.0%	
Planned Work- o	0.0%
Trees- o	0.0%
Utility Equipment- o	0.4%
Vehicle- o	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	47.97
10.) <b>2016 SAIDI</b>	204.38
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.50
12.) <b>2016 SAIFI</b>	1.09
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR T	O BE TAKEN

1.) SUBSTATION NAME AND NUMBER	DOZIER HEIGHTS
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	<b>V</b> Hopkins - 200 Claire Ln - Madisonville
3.) CIRCUIT NAME AND NUMBER	0815
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Madisonville - Country Club Ln, US 41A - NW of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	13.7
6.) CUSTOMER COUNT FOR THIS CIRCUIT	656
7.) DATE OF LAST CIRCUIT TRIM (VM)	08/07/2013
8.) 2016 OUTAGES BY CAUSE	
Animal	1.0%
Construction	0.0%
Lightning- 73.9%	
Non-Company- 0.0%	
Other/Unknown- 18.7%	
Overload- 0.0%	
Planned Work- 3.4%	
Trees-	2.3%
Utility Equipment-	0.7%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	49.43
10.) <b>2016 SAIDI</b>	67.40
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.90
12.) <b>2016 SAIFI</b>	0.69
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	

1.) SUBSTATION NAME AND NUMBER NORTONVILLE 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Hopkins - 55 Holly Ln - Nortonville 3.) CIRCUIT NAME AND NUMBER 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Nortonville - City of Nortonville, US 41, & Red Hill Rd - S of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 34.8 6.) CUSTOMER COUNT FOR THIS CIRCUIT 901 7.) DATE OF LAST CIRCUIT TRIM (VM) 10/27/2012 8.) 2016 OUTAGES BY CAUSE Animal- 0.3% Construction- 0.0% Lightning- 10.6% Non-Company- 0.0% Other/Unknown- 5.3% Overload- 0.0% Planned Work- 0.0% Trees- 7.6% Utility Equipment- 76.1% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 100.83 10.) 2016 SAIDI 119.75 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.14

12.) 2016 SAIFI

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

Reliability Improvements Completed in 2016

0.81

1.) SUBSTATION NAME AND NUMBER EAST DIAMOND 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Hopkins - 550 East Diamond Rd - Madisonville 3.) CIRCUIT NAME AND NUMBER 0827 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Madisonville - Hwy 85, Hwy 892, & Hwy 1221 - NE & SE of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 22.7 6.) CUSTOMER COUNT FOR THIS CIRCUIT 349 7.) DATE OF LAST CIRCUIT TRIM (VM) 12/27/2014 8.) 2016 OUTAGES BY CAUSE Animal- 0.2% Construction- 0.0% Lightning- 7.0% Non-Company- 0.0% Other/Unknown- 59.0% Overload- 12.8% Planned Work- 4.1% Trees- 4.2% Utility Equipment- 12.7% Vehicle- 0.0% Q \ CIRCUIT E VEAR AVERAGE (CAIRU

CIRCUIT 5 YEAR AVERAGE (SAIDI)	50.42
2016 SAIDI	114.56
CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.75
2016 SAIFI	1.54
	2016 SAIDI CIRCUIT 5 YEAR AVERAGE (SAIFI)

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

1.) SUBSTATION NAME AND NUMBER	WHITE PLAINS
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	<b>V</b> Hopkins - 336 NW Railroad - White Plains
3.) CIRCUIT NAME AND NUMBER	0837
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	White Plains - City of White Plains, HWY 813, White Plains Rd - W/SE of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	42.5
6.) CUSTOMER COUNT FOR THIS CIRCUIT	484
7.) DATE OF LAST CIRCUIT TRIM (VM)	12/31/2011
8.) 2016 OUTAGES BY CAUSE	
Animal	0.0%
Construction-	10.5%
Lightning-	40.0%
Non-Company-	0.0%
Other/Unknown-	4.9%
Overload-	0.0%
Planned Work-	0.2%
Trees-	44.4%
Utility Equipment-	0.0%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	194.03
10.) <b>2016 SAIDI</b>	213.44
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.70
12.) <b>2016 SAIFI</b>	2.53

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

1.) SUBSTATION NAME AND NUMBER SYLVANIA 12KV 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Clark - 439 E Washington St - Winchester 3.) CIRCUIT NAME AND NUMBER 0847 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Winchester - E Washington, E Broadway St, Hickman St - SW of Subst. 5.) TOTAL CIRCUIT LENGTH (MILES) 13.7 6.) CUSTOMER COUNT FOR THIS CIRCUIT 1,431 7.) DATE OF LAST CIRCUIT TRIM (VM) 06/01/2015 8.) 2016 OUTAGES BY CAUSE Animal- 1.3% Construction- 0.0% Lightning- 0.2% Non-Company- 0.0% Other/Unknown- 85.2% Overload- 0.0% Planned Work- 11.7% Trees- 1.3% Utility Equipment- 0.3% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 45.70 10.) 2016 SAIDI 58.05 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.85 12.) 2016 SAIFI 1.09 13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	SYLVANIA 12KV
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	V Clark - 439 E Washington St - Winchester
3.) CIRCUIT NAME AND NUMBER	0849
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Winchester - Ecton Rd, Iron Works Rd - NE of Subst.
5.) TOTAL CIRCUIT LENGTH (MILES)	44.1
6.) CUSTOMER COUNT FOR THIS CIRCUIT	1,038
7.) DATE OF LAST CIRCUIT TRIM (VM)	08/01/2015
8.) 2016 OUTAGES BY CAUSE	
Animal	0.7%
Construction-	0.0%
Lightning-	2.6%
Non-Company-	0.0%
Other/Unknown-	15.6%
Overload	0.0%
Planned Work-	0.1%
Trees-	38.3%
Utility Equipment-	42.7%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	35.59
10.) <b>2016 SAIDI</b>	53.10
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.57
12.) <b>2016 SAIFI</b>	0.77
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER	CYNTHIANA 4KV	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOW	<b>N</b> Harrison - 208 McIlvain Blvd - Cynthiana	
3.) CIRCUIT NAME AND NUMBER	0852	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Cynthiana - Main St, N Poplar St, W Pleasant St - NNW of Subst.	
5.) TOTAL CIRCUIT LENGTH (MILES)	3.8	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	513	
7.) DATE OF LAST CIRCUIT TRIM (VM)	01/19/2015	
8.) 2016 OUTAGES BY CAUSE		
Animal- 0.0%		
Construction	- 0.0%	
Lightning	- 0.0%	
Non-Company	- 0.0%	
Other/Unknown	- 8.7%	
Overload	- 0.0%	
Planned Work	- 0.2%	
Trees	91.1%	
Utility Equipment	- 0.0%	
Vehicle	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	31.52	
10.) <b>2016 SAIDI</b>	128.48	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.15	
12.) <b>2016 SAIFI</b>	0.42	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1.) SUBSTATION NAME AND NUMBER	CYNTHIANA 12KV	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	<b>V</b> Harrison - 208 McIlvain Blvd - Cynthiana	
3.) CIRCUIT NAME AND NUMBER	0854	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Cynthiana - Water Works Ave, Ney Lair Rd - S of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	1.2	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	37	
7.) DATE OF LAST CIRCUIT TRIM (VM)	04/01/2009	
8.) 2016 OUTAGES BY CAUSE		
Animal	- 83.8%	
Construction	- 0.0%	
Lightning	- 0.0%	
Non-Company-	· 0.0%	
Other/Unknown-	0.0%	
Overload-	0.0%	
Planned Work-	16.2%	
Trees-	0.0%	
Utility Equipment-	0.0%	
Vehicle-	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	27.47	
10.) <b>2016 SAIDI</b>	28.26	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.25	
12.) <b>2016 SAIFI</b>	0.53	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1.)	SUBSTATION NAME AND NUMBER	CYNTHIANA 12KV
2.)	SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Harrison - 208 McIlvain Blvd - Cynthiana
3.)	CIRCUIT NAME AND NUMBER	0855
4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Cynthiana - City of Cynthiana (Eastern) - E of Substation
5.)	TOTAL CIRCUIT LENGTH (MILES)	14.5
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	1,300
7.)	DATE OF LAST CIRCUIT TRIM (VM)	04/30/2009
8.)	2016 OUTAGES BY CAUSE	
	Animal-	0.8%
	Construction-	0.0%
	Lightning-	0.1%
	Non-Company-	0.0%
	Other/Unknown-	0.1%
	Overload-	1.6%
	Planned Work-	0.9%
	Trees-	0.3%
	Utility Equipment-	96.2%
	Vehicle-	0.0%
9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	56.45
10.)	2016 SAIDI	99.63
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.54
12.)	2016 SAIFI	0.56
13.)	LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER	KAWNEER
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Harrison - RR 7 Box 729 White Oak Pike - Cynthiana
3.) CIRCUIT NAME AND NUMBER	0856
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Cynthiana - Western Ave, Ladish Rd, Hwy 27 - S of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	14.6
6.) CUSTOMER COUNT FOR THIS CIRCUIT	437
7.) DATE OF LAST CIRCUIT TRIM (VM)	06/08/2015
8.) 2016 OUTAGES BY CAUSE	
Animal-	0.3%
Construction-	0.0%
Lightning-	1.0%
Non-Company-	0.0%
Other/Unknown-	2.0%
Overload	0.0%
Planned Work-	9.6%
Trees-	60.2%
Utility Equipment-	26.9%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	42.63
10.) <b>2016 SAIDI</b>	45.39
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.38
12.) <b>2016 SAIFI</b>	0.48
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER	WEST HICKMAN	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOV	VN Fayette - 3172 Ashgrove Rd - Lexington	
3.) CIRCUIT NAME AND NUMBER	0864	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - Lauderdale Dr, Whitfield Dr, Ridgewater Dr - NW of Subst	
5.) TOTAL CIRCUIT LENGTH (MILES)	27.0	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	2,107	
7.) DATE OF LAST CIRCUIT TRIM (VM)	09/27/2014	
8.) 2016 OUTAGES BY CAUSE		
Anima	al- 0.3%	
Constructio	n- 0.0%	
Lightnin	g- 98.2%	
Non-Compan	y- 0.0%	
Other/Unknow	n- 0.6%	
Overloa	d- 0.0%	
Planned Wor	k- 0.0%	
Tree	S- 0.0%	
Utility Equipmen	t- 0.9%	
Vehicle	2- 0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	24.72	
10.) <b>2016 SAIDI</b>	41.77	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.35	
12.) <b>2016 SAIFI</b>	0.47	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

Reliability Improvements Scheduled for 2017

1.) SUBSTATION NAME AND NUMBER SHANNON RUN 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Woodford - 2770 Shannon Run Rd - Versailles 3.) CIRCUIT NAME AND NUMBER 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Versailles - Shannon Run, Hwy 169 - SW of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 39.3 6.) CUSTOMER COUNT FOR THIS CIRCUIT 359 7.) DATE OF LAST CIRCUIT TRIM (VM) 10/01/2010 8.) 2016 OUTAGES BY CAUSE Animal- 0.4% Construction- 0.0% Lightning- 16.5% Non-Company- 0.0% Other/Unknown- 0.6% Overload- 0.0% Planned Work- 1.5% Trees- 70.8% Utility Equipment- 0.6% Vehicle- 9.6% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 183.36 10.) 2016 SAIDI 249.07 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.83 12.) 2016 SAIFI 0.93

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

1.) SUBSTATION NAME AND NUMBER	BRYANT ROAD
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Fayette - 3097 Helmsdale Pl Lexington
3.) CIRCUIT NAME AND NUMBER	0873
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - Bryant Rd & I75 - E of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	30.4
6.) CUSTOMER COUNT FOR THIS CIRCUIT	1,766
7.) DATE OF LAST CIRCUIT TRIM (VM)	07/21/2012
8.) 2016 OUTAGES BY CAUSE	
Animal-	0.0%
Construction-	0.7%
Lightning-	0.0%
Non-Company-	0.0%
Other/Unknown-	4.0%
Overload	0.0%
Planned Work-	21.2%
Trees-	0.0%
Utility Equipment-	74.2%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	9.92
10.) <b>2016 SAIDI</b>	7.24
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.08
12.) <b>2016 SAIFI</b>	0.15
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER	BRYANT ROAD	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Fayette - 3097 Helmsdale Pl Lexington	
3.) CIRCUIT NAME AND NUMBER	0874	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - Todds Rd - S of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	29.8	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	2,378	
7.) DATE OF LAST CIRCUIT TRIM (VM)	07/21/2012	
8.) 2016 OUTAGES BY CAUSE		
Animal-	0.0%	
Construction-	7.0%	
Lightning-	0.0%	
Non-Company-	44.6%	
Other/Unknown-	2.1%	
Overload-	0.0%	
Planned Work-	0.4%	
Trees-	14.8%	
Utility Equipment-	31.2%	
Vehicle-	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	73.27	
10.) <b>2016 SAIDI</b>	299.96	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.05	
12.) <b>2016 SAIFI</b>	4.19	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1.)	SUBSTATION NAME AND NUMBER	CARLISLE 4KV
2.)	SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Nicholas - 104 S Elm St - Carlisle
3.)	CIRCUIT NAME AND NUMBER	0876
4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Carlisle - Main St, Eastern Ave - ENE of Substation
5.)	TOTAL CIRCUIT LENGTH (MILES)	7.3
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	431
7.)	DATE OF LAST CIRCUIT TRIM (VM)	08/01/2009
8.)	2016 OUTAGES BY CAUSE	
	Animal-	2.4%
	Construction-	0.4%
	Lightning-	0.0%
	Non-Company-	1.0%
	Other/Unknown-	0.0%
	Overload-	0.0%
	Planned Work-	38.7%
	Trees-	
	Utility Equipment-	
0.1	Vehicle-	0.0%
	CIRCUIT 5 YEAR AVERAGE (SAIDI)	16.91
10.)	2016 SAIDI	41.62
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.69
12.)	2016 SAIFI	2.05
13.)	LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER MAYSVILLE WEST 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Mason - 210 Cox Alley - Maysville 3.) CIRCUIT NAME AND NUMBER 0901 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Maysville - Maddox Aly, 4th St, Plum St, Mulberry St- SE of Subst. 5.) TOTAL CIRCUIT LENGTH (MILES) 2.0 6.) CUSTOMER COUNT FOR THIS CIRCUIT 412 7.) DATE OF LAST CIRCUIT TRIM (VM) 09/06/2014 8.) 2016 OUTAGES BY CAUSE Animal- 0.0% Construction- 0.0% Lightning- 0.0% Non-Company- 0.0% Other/Unknown- 0.0% Overload- 0.0% Planned Work- 0.0% Trees- 0.0% Utility Equipment- 0.0% Vehicle- 100.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 17.83 10.) 2016 SAIDI 27.93 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.30 12.) 2016 SAIFI 1.00 13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

Continue to Monitor

	1.)	SUBSTATION NAME AND NUMBER	MAYSVILLE WEST
	2.)	SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Mason - 210 Cox Alley - Maysville
	3.)	CIRCUIT NAME AND NUMBER	0902
	4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Maysville - Washington St, E 6th, Edgemont Rd - SW of Subst.
	5.)	TOTAL CIRCUIT LENGTH (MILES)	3.7
	6.)	CUSTOMER COUNT FOR THIS CIRCUIT	166
	7.)	DATE OF LAST CIRCUIT TRIM (VM)	09/06/2014
	8.)	2016 OUTAGES BY CAUSE	
		Animal-	0.0%
		Construction-	0.0%
		Lightning-	36.7%
		Non-Company-	0.0%
		Other/Unknown-	5.3%
		Overload-	0.0%
		Planned Work-	8.7%
		Trees-	38.6%
		Utility Equipment-	10.7%
		Vehicle-	0.0%
	9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	17.46
	10.)	2016 SAIDI	22.31
	11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.27
	12.)	2016 SAIFI	0.19
10	13.)	LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER MAYSVILLE WEST 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Mason - 210 Cox Alley - Maysville 3.) CIRCUIT NAME AND NUMBER 0903 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Maysville - W 2nd St, W Mcdonald Pkwy - NW of Subst. 5.) TOTAL CIRCUIT LENGTH (MILES) 3.3 6.) CUSTOMER COUNT FOR THIS CIRCUIT 366 7.) DATE OF LAST CIRCUIT TRIM (VM) 09/06/2014 8.) 2016 OUTAGES BY CAUSE Animal- 0.0% Construction- 0.0% Lightning- 0.0% Non-Company- 0.0% Other/Unknown- 32.8% Overload- 0.0% Planned Work- 0.0% Trees- 0.0% Utility Equipment- 67.2% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 33.08 10.) 2016 SAIDI 40.16 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.57 12.) 2016 SAIFI 1.19 13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	MAYSVILLE MID	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Mason - 314 Lexington St - Maysville	
3.) CIRCUIT NAME AND NUMBER	0906	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Maysville - E Reynolds dr, Elizabeth St, Center St, Union St - E of Subst.	
5.) TOTAL CIRCUIT LENGTH (MILES)	1.3	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	76	
7.) DATE OF LAST CIRCUIT TRIM (VM)	08/01/2015	
8.) 2016 OUTAGES BY CAUSE		
Animal-	0.0%	
Construction-	0.0%	
Lightning-	0.0%	
Non-Company-	0.0%	
Other/Unknown-	0.0%	
Overload-	0.0%	
Planned Work-	0.0%	
Trees-	0.0%	
Utility Equipment-	100.0%	
Vehicle-	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	22.59	
10.) <b>2016 SAIDI</b>	99.53	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.28	
12.) <b>2016 SAIFI</b>	1.26	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1.) SUBSTATION NAME AND NUMBER MAYSVILLE MID 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Mason - 314 Lexington St - Maysville 3.) CIRCUIT NAME AND NUMBER 0907 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Maysville - Buckley PI, Hwy 11, Bank St - W & S of Subst. 5.) TOTAL CIRCUIT LENGTH (MILES) 6.6 6.) CUSTOMER COUNT FOR THIS CIRCUIT 234 7.) DATE OF LAST CIRCUIT TRIM (VM) 08/01/2015 8.) 2016 OUTAGES BY CAUSE Animal- 0.0% Construction- 0.0% Lightning- 0.2% Non-Company- 0.0% Other/Unknown- 21.6% Overload- 0.0% Planned Work- 76.7% Trees- 0.0% Utility Equipment- 1.6% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 36.42 10.) 2016 SAIDI 128.35 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.41 12.) 2016 SAIFI 1.07 13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

Continue to Monitor

1.) SUBS	TATION NAME AND NUMBER	KENTON
2.) SUBS	TATION LOCATION (COUNTY-ROAD-TOWN	Mason - 801 Kenton Station Rd - Maysville
3.) CIRCL	JIT NAME AND NUMBER	0921
4.) CIRCU	JIT LOCATION (COUNTY-ROAD-TOWN)	Maysville - W Maple Leaf Rd, Jersey Ridge Rd - E&NE of Subst.
5.) <b>TOTA</b>	L CIRCUIT LENGTH (MILES)	20.8
6.) <b>CUST</b>	OMER COUNT FOR THIS CIRCUIT	885
7.) <b>DATE</b>	OF LAST CIRCUIT TRIM (VM)	01/05/2016
8.) <b>2016</b>	OUTAGES BY CAUSE	
	Animal-	0.7%
	Construction-	0.0%
	Lightning-	95.5%
	Non-Company-	0.0%
	Other/Unknown-	0.3%
	Overload-	0.0%
	Planned Work-	0.6%
	Trees-	2.4%
	Utility Equipment-	0.5%
	Vehicle-	0.0%
9.) CIRCU	IT 5 YEAR AVERAGE (SAIDI)	45.79
10.) <b>2016</b> S	SAIDI	54.11
11.) CIRCU	IT 5 YEAR AVERAGE (SAIFI)	0.85
12.) <b>2016</b> S	AIFI	1.29
13.) <b>LIST O</b>	F CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER KENTON 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Mason - 801 Kenton Station Rd - Maysville 3.) CIRCUIT NAME AND NUMBER 0924 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Maysville - Old US 68, Clarks Run Rd, Slack Pike - S&W of Subst.. 5.) TOTAL CIRCUIT LENGTH (MILES) 63.1 6.) CUSTOMER COUNT FOR THIS CIRCUIT 894 7.) DATE OF LAST CIRCUIT TRIM (VM) 08/30/2016 8.) 2016 OUTAGES BY CAUSE

Animal- 1.0%

Construction- 0.0%

Lightning- 45.4%

Non-Company- 0.0%

Other/Unknown- 14.6%

Overload- 0.0%

Planned Work- 0.4%

Trees- 15.6%

Utility Equipment- 23.1%

Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 194.95 10.) 2016 SAIDI 511.49 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.56 12.) 2016 SAIFI 3.60

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

SUBSTATION NAME AND NUMBER
 SUBSTATION LOCATION (COUNTY-ROAD-TOWN Pendleton - 15125 Hwy 8 - Foster)
 CIRCUIT NAME AND NUMBER
 CIRCUIT LOCATION (COUNTY-ROAD-TOWN)
 Foster - Hwy 8 - NNW of Substation
 TOTAL CIRCUIT LENGTH (MILES)
 CUSTOMER COUNT FOR THIS CIRCUIT
 DATE OF LAST CIRCUIT TRIM (VM)
 10/30/2012
 Animal - 0.1%

Construction- 0.0%

Lightning- 1.8%

Non-Company- 0.0%

Other/Unknown- 1.5%

Overload- 0.0%

Planned Work- 0.0%

Trees- 89.0%

Utility Equipment- 7.5%

Vehicle- 0.1%

9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	596.07
10.)	2016 SAIDI	495.80
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	2.58
12.)	2016 SAIFI	3.69

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

1.) SUBSTATION NAME AND NUMBER	FLEMINGSBURG	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Fleming - 523 Fountain Ave - Flemingsburg	
3.) CIRCUIT NAME AND NUMBER	0961	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Flemingsburg - Water St - Fountain Ave - SW of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	7.9	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	451	
7.) DATE OF LAST CIRCUIT TRIM (VM)	04/01/2013	
8.) 2016 OUTAGES BY CAUSE		
Animal	0.0%	
Construction-	0.0%	
Lightning-	55.2%	
Non-Company-	3.3%	
Other/Unknown-	14.2%	
Overload	0.0%	
Planned Work-	0.5%	
Trees-	18.8%	
Utility Equipment-	7.9%	
Vehicle- 0.0%		
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	26.71	
10.) <b>2016 SAIDI</b>	36.16	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.25	
12.) <b>2016 SAIFI</b>	0.30	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1.) SUBSTATION NAME AND NUMBER WEDONIA 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Mason - 6964 KY Hwy 11 - Maysville 3.) CIRCUIT NAME AND NUMBER 0966 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Flemingsburg - Hwy 170, City of Ewing - SW of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 26.6 6.) CUSTOMER COUNT FOR THIS CIRCUIT 525 7.) DATE OF LAST CIRCUIT TRIM (VM) 02/16/2013 8.) 2016 OUTAGES BY CAUSE Animal- 0.2% Construction- 0.0% Lightning- 0.2% Non-Company- 0.0% Other/Unknown- 1.2% Overload- 0.0% Planned Work- 0.1% Trees- 20.3% Utility Equipment- 78.1% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 136.79

10.) 2016 SAIDI 305.00
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.74
12.) 2016 SAIFI 1.49

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

Reliability Improvements Scheduled for 2017

1.) SUBSTATION NAME AND NUMBER	HIGBY MILL 12KV	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Fayette - 308 Waveland Museum Ln - Lexington	
3.) CIRCUIT NAME AND NUMBER	1071	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - Man O War Blvd - NW of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	14.7	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	1,701	
7.) DATE OF LAST CIRCUIT TRIM (VM)	12/31/2013	
8.) 2016 OUTAGES BY CAUSE		
Animal-	1.7%	
Construction-	0.0%	
Lightning-	0.0%	
Non-Company- 0.0%		
Other/Unknown- 68.8%		
Overload-	0.0%	
Planned Work-	0.3%	
Trees-	29.1%	
Utility Equipment-	0.0%	
Vehicle- (	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	139.22	
10.) <b>2016 SAIDI</b>	170.00	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.78	

12.) **2016 SAIFI** 

Continue to Monitor

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

237

1.60

1.) SUBSTATION NAME AND NUMBER	VINE STREET 12KV	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	<b>√</b> Fayette - 112 E Vine St Lexington	
3.) CIRCUIT NAME AND NUMBER	1202	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - Water St - E of Substation, Ayers Aly - E of Subst.	
5.) TOTAL CIRCUIT LENGTH (MILES)	1.1	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	22	
7.) DATE OF LAST CIRCUIT TRIM (VM)	Underground Circuit	
8.) 2016 OUTAGES BY CAUSE		
Animal-	0.0%	
Construction-	100.0%	
Lightning-	0.0%	
Non-Company-	0.0%	
Other/Unknown-	0.0%	
Overload-	0.0%	
Planned Work-	0.0%	
Trees-	0.0%	
Utility Equipment-	0.0%	
Vehicle-	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	36.54	
10.) <b>2016 SAIDI</b>	36.95	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.30	
12.) <b>2016 SAIFI</b>	0.18	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1.) SUBSTATION NAME AND NUMBER	BARLOW	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Ballard - 433 Oscar Rd Barlow	
3.) CIRCUIT NAME AND NUMBER	1310	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Barlow - US Hwy 60 - S of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	14.9	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	212	
7.) DATE OF LAST CIRCUIT TRIM (VM)	08/29/2013	
8.) 2016 OUTAGES BY CAUSE		
Animal-	0.4%	
Construction-	0.0%	
Lightning-	1.5%	
Non-Company-	0.0%	
Other/Unknown-	0.0%	
Overload-	0.0%	
Planned Work-	0.0%	
Trees-	98.1%	
Utility Equipment-	0.0%	
Vehicle-	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	97.76	
10.) <b>2016 SAIDI</b>	172.89	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.49	
12.) <b>2016 SAIFI</b>	0.61	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1.) SUBSTATION NAME AND NUMBER	CLINTON 12KV	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Hickman - 318 Moss Drive - Clinton	
3.) CIRCUIT NAME AND NUMBER	1316	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Clinton - City of Clinton, Hwy 58,	
5.) TOTAL CIRCUIT LENGTH (MILES)	27.2	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	670	
7.) DATE OF LAST CIRCUIT TRIM (VM)	07/23/2011	
8.) 2016 OUTAGES BY CAUSE		
Animal-	1.3%	
Construction-	0.0%	
Lightning-	5.0%	
Non-Company-	0.0%	
Other/Unknown-	5.5%	
Overload-	0.0%	
Planned Work-	0.5%	
Trees-	41.8%	
Utility Equipment-	45.8%	
Vehicle-	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	172.82	
10.) <b>2016 SAIDI</b>	405.13	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.11	
12.) <b>2016 SAIFI</b>	1.81	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1.) SUBSTATION NAME AND NUMBER	FORESTDALE	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	McCracken - 4250 Rice Springs Rd - Kevil	
3.) CIRCUIT NAME AND NUMBER	1320	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Kevil - SR 1154, SR 996, & Cairo Rd - E of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	41.1	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	918	
7.) DATE OF LAST CIRCUIT TRIM (VM)	06/21/2014	
8.) 2016 OUTAGES BY CAUSE		
Animal-	8.0%	
Construction-	0.0%	
Lightning-	44.8%	
Non-Company-	0.0%	
Other/Unknown-	4.0%	
Overload-	0.0%	
Planned Work-	2.8%	
Trees-	40.4%	
Utility Equipment- 0.0%		
Vehicle-	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	25.15	
10.) <b>2016 SAIDI</b>	26.86	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.46	
12.) <b>2016 SAIFI</b>	0.15	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

SUBSTATION NAME AND NUMBER
 SUBSTATION LOCATION (COUNTY-ROAD-TOWN Ballard - Mayola Ave - Wickliffe
 CIRCUIT NAME AND NUMBER
 CIRCUIT LOCATION (COUNTY-ROAD-TOWN)
 Wickliffe - Hwy 1290, Hwy 286, Hwy 21/Court St, & Beech Grove Rd - S of Substation
 TOTAL CIRCUIT LENGTH (MILES)
 CUSTOMER COUNT FOR THIS CIRCUIT
 DATE OF LAST CIRCUIT TRIM (VM)
 2016 OUTAGES BY CAUSE

Animal- 2.0%

Construction- 0.0%

Lightning- 43.0%

Non-Company- 0.0%

Other/Unknown- 27.4%

Overload- 0.0%

Planned Work- 0.8%

Trees- 26.1%

Utility Equipment- 0.0%

Vehicle- 0.7%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	84.59
10.) <b>2016 SAIDI</b>	226.70
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.63
12.) 2016 SAIFI	1.34

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

1.) SUBSTATION NAME AND NUMBER WICKLIFFE CITY 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Ballard - Mayola Ave - Wickliffe 3.) CIRCUIT NAME AND NUMBER 1325 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Wickliffe - 4th St, Greene St, US 60, & County Farm Rd - N & S of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 14.3 6.) CUSTOMER COUNT FOR THIS CIRCUIT 317 7.) DATE OF LAST CIRCUIT TRIM (VM) 03/31/2007 8.) 2016 OUTAGES BY CAUSE Animal- 0.9% Construction- 0.0% Lightning- 26.6% Non-Company- 0.0% Other/Unknown- 37.9% Overload- 0.0% Planned Work- 0.0% Trees- 27.3% Utility Equipment- 0.1% Vehicle- 7.2% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 39.36 10.) 2016 SAIDI 141.79 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.19 12.) 2016 SAIFI 0.45 13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

Continue to Monitor

2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Muhlenberg - 501 HWY 189 Bypass - Greenville 3.) CIRCUIT NAME AND NUMBER 1327 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Greenville - HWY 601, S R 181, & Luzerne Depoy Rd - NW of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 42.0 6.) CUSTOMER COUNT FOR THIS CIRCUIT 795 7.) DATE OF LAST CIRCUIT TRIM (VM) 07/02/2011 8.) 2016 OUTAGES BY CAUSE Animal- 1.3% Construction- 0.8% Lightning- 81.0% Non-Company- 0.0% Other/Unknown- 10.2% Overload- 0.8% Planned Work- 1.0% Trees- 1.0% Utility Equipment- 0.4% Vehicle- 3.5% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 115.30 10.) 2016 SAIDI 126.85 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.46 12.) 2016 SAIFI 2.22 13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

GREENVILLE NORTH

1.) SUBSTATION NAME AND NUMBER

1.) SUBSTATION NAME AND NUMBER	GREENVILLE NORTH	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Muhlenberg - 501 HWY 189 Bypass - Greenville	
3.) CIRCUIT NAME AND NUMBER	1328	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Greenville - S R 176 & Paradise Rd/St - SE of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	43.6	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	960	
7.) DATE OF LAST CIRCUIT TRIM (VM)	12/31/2011	
8.) 2016 OUTAGES BY CAUSE		
Animal-	0.7%	
Construction-	0.1%	
Lightning-	91.6%	
Non-Company-	0.0%	
Other/Unknown-	4.1%	
Overload-	0.0%	
Planned Work-	0.4%	
Trees-	2.7%	
Utility Equipment-	0.5%	
Vehicle-	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	149.08	
10.) <b>2016 SAIDI</b>	216.44	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.46	
12.) <b>2016 SAIFI</b>	1.31	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

CHRISTIAN		
N Webster - 1678 S R 493 - Wheatcroft		
1404		
Wheatcroft - City of Wheatcroft - NW of	Substation	
11.3		
202		
04/25/2014		
I- 0.0%		
1- 0.0%		
<b>;</b> - 41.9%		
<b>'-</b> 0.0%		
58.1%		
- 0.0%		
- 0.0%		
- 0.0%		
- 0.0%		
- 0.0%		
	6.21	
	9.28	
	0.06	
	0.08	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	/N Webster - 1678 S R 493 - Wheatcroft  1404  Wheatcroft - City of Wheatcroft - NW of  11.3  202  04/25/2014  I- 0.0%  I- 0.0%	

2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Webster - 62 W College St - Clay
3.) CIRCUIT NAME AND NUMBER	1407
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Clay – Main St, Taylor St, & Lisman St- NE & SW of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	11.1
6.) CUSTOMER COUNT FOR THIS CIRCUIT	446
7.) DATE OF LAST CIRCUIT TRIM (VM)	11/22/2014
8.) 2016 OUTAGES BY CAUSE	
Animal-	0.0%
Construction-	0.0%
Lightning-	1.9%
Non-Company-	0.0%
Other/Unknown-	0.0%
Overload-	0.0%
Planned Work-	0.0%
Trees-	95.8%
Utility Equipment-	1.8%
Vehicle-	0.5%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	23.90
10.) <b>2016 SAIDI</b>	44.73
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.20
12.) <b>2016 SAIFI</b>	0.37
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN
Continue to Monitor	

CLAY - KU

1.) SUBSTATION NAME AND NUMBER

1.) SUBSTATION NAME AND NUMBER	CLAY - KU	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOW	<b>N</b> Webster - 62 W College St - Clay	
3.) CIRCUIT NAME AND NUMBER	1408	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Clay - S R 270, W Elm St - W & E of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	17.3	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	356	
7.) DATE OF LAST CIRCUIT TRIM (VM)	04/25/2014	
8.) 2016 OUTAGES BY CAUSE		
Animal	- 0.2%	
Construction	- 0.0%	
Lightning	- 3.8%	
Non-Company	- 56.6%	
Other/Unknown-	12.0%	
Overload-	0.0%	
Planned Work- 0.0%		
Trees-	0.0%	
Utility Equipment- 0.0%		
Vehicle-	27.4%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	38.97	
10.) <b>2016 SAIDI</b>	149.31	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.39	
12.) <b>2016 SAIFI</b>	1.34	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1.) SUBSTATION NAME AND NUMBER	DIAMOND
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Webster - 830 Bill Dorris Rd - Providence
3.) CIRCUIT NAME AND NUMBER	1410
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Providence - Bill Dorris Rd, S R 109 - SW of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	6.7
6.) CUSTOMER COUNT FOR THIS CIRCUIT	127
7.) DATE OF LAST CIRCUIT TRIM (VM)	03/03/2009
8.) 2016 OUTAGES BY CAUSE	
Animal-	1.6%
Construction-	0.0%
Lightning-	0.0%
Non-Company-	53.5%
Other/Unknown-	1.3%
Overload-	0.0%
Planned Work-	0.0%
Trees-	43.6%
Utility Equipment-	0.0%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	20.75
10.) <b>2016 SAIDI</b>	53.72
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.34
12.) <b>2016 SAIFI</b>	1.20
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER	SPENCER CHEMICAL 12KV	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Henderson - 1413 Hwy 136 W - Henderson		
3.) CIRCUIT NAME AND NUMBER	1437	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Henderson - Hwy 136 & Hwy 60 - S of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	4.3	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	80	
7.) DATE OF LAST CIRCUIT TRIM (VM)	11/07/2015	
8.) 2016 OUTAGES BY CAUSE		
Animal-	0.0%	
Construction-	0.0%	
Lightning-	0.0%	
Non-Company-	0.0%	
Other/Unknown-	0.0%	
Overload-	0.0%	
Planned Work-	90.5%	
Trees-	0.0%	
Utility Equipment-	9.5%	
Vehicle-	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	9.87	
10.) <b>2016 SAIDI</b>	16.20	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.15		
12.) <b>2016 SAIFI</b>	0.24	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1.) SUBSTATION NAME AND NUMBER	TUNNEL HILL	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Henderson - 12990 HWY 416 W - Corydon	
3.) CIRCUIT NAME AND NUMBER	1443	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Corydon - US HWY 41 A & S R 416 - N & E of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	23.5	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	388	
7.) DATE OF LAST CIRCUIT TRIM (VM)	12/05/2015	
8.) 2016 OUTAGES BY CAUSE		
Animal- 1.2%		
Construction- 0.0%		
Lightning- 2.6%		
Non-Company- 0.0%		
Other/Unknown- 83.2%		
Overload	0.0%	
Planned Work-	2.5%	
Trees-	10.5%	
Utility Equipment-	0.0%	
Vehicle-	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	75.62	
10.) <b>2016 SAIDI</b>	85.96	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.04	
12.) <b>2016 SAIFI</b>	1.44	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1.) SUBSTATION NAME AND NUMBER	AIRLINE RD 12KV	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Henderson - 1830 Clay St - Henderson	
3.) CIRCUIT NAME AND NUMBER	1461	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Henderson - Clay St - E of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	11.6	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	824	
7.) DATE OF LAST CIRCUIT TRIM (VM)	09/05/2015	
8.) 2016 OUTAGES BY CAUSE		
Animal-	3.6%	
Construction-	0.0%	
Lightning- 0.0%		
Non-Company- 0.0%		
Other/Unknown- 0.4%		
Overload- 0.0%		
Planned Work- 0.5%		
Trees-	95.5%	
Utility Equipment-	0.0%	
Vehicle-	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	57.59	
10.) <b>2016 SAIDI</b>	73.67	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.75	
12.) <b>2016 SAIFI</b>	0.58	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
Continue to Monitor		

1.) SUBSTATION NAME AND NUMBER	SEBREE
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	<b>V</b> Webster - 199 N Railroad St - Sebree
3.) CIRCUIT NAME AND NUMBER	1472
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Sebree - SR 56, College St, Jefferson St, & Old Beech Grove Rd - W/E of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	12.2
6.) CUSTOMER COUNT FOR THIS CIRCUIT	425
7.) DATE OF LAST CIRCUIT TRIM (VM)	07/18/2015
8.) 2016 OUTAGES BY CAUSE	
Animal	0.0%
Construction-	0.0%
Lightning-	35.7%
Non-Company-	0.0%
Other/Unknown-	64.3%
Overload	0.0%
Planned Work-	0.0%
Trees-	0.0%
Utility Equipment-	0.0%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	6.35
10.) <b>2016 SAIDI</b>	7.82
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.07
12.) <b>2016 SAIFI</b>	0.10
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER	MADISONVILLE EAST
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Hopkins - 300 Central City Rd - Madisonville
3.) CIRCUIT NAME AND NUMBER	1484
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Madisonville - Hwy 85 - SE of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	2.7
6.) CUSTOMER COUNT FOR THIS CIRCUIT	25
7.) DATE OF LAST CIRCUIT TRIM (VM)	12/03/2013
8.) 2016 OUTAGES BY CAUSE	
Animal-	2.9%
Construction-	0.0%
Lightning-	0.0%
Non-Company-	0.0%
Other/Unknown-	97.1%
Overload-	0.0%
Planned Work-	0.0%
Trees-	0.0%
Utility Equipment- (	0.0%
Vehicle- (	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	5.30
10.) <b>2016 SAIDI</b>	7.00
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.11
12.) <b>2016 SAIFI</b>	0.16
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	

1.) SUBSTATION NAME AND NUMBER	CROFTON
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	<b>N</b> Christian - 13770 Madisonville Rd - Crofton
3.) CIRCUIT NAME AND NUMBER	1491
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Crofton - Madisonville Rd, W Princeton St, W Mill St - S of Subst
5.) TOTAL CIRCUIT LENGTH (MILES)	6.2
6.) CUSTOMER COUNT FOR THIS CIRCUIT	266
7.) DATE OF LAST CIRCUIT TRIM (VM)	03/08/2013
8.) 2016 OUTAGES BY CAUSE	
Animal	- 2.7%
Construction	- 0.0%
Lightning	94.5%
Non-Company-	- 0.0%
Other/Unknown-	2.8%
Overload	0.0%
Planned Work-	0.0%
Trees-	0.0%
Utility Equipment-	0.0%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	85.09
10.) <b>2016 SAIDI</b>	205.35
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.69
12.) <b>2016 SAIFI</b>	1.15
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER CROFTON 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Christian - 13770 Madisonville Rd - Crofton 3.) CIRCUIT NAME AND NUMBER 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Crofton - City of Crofton, Madisonville Rd - N&S of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 24.8 6.) CUSTOMER COUNT FOR THIS CIRCUIT 466 7.) DATE OF LAST CIRCUIT TRIM (VM) 03/25/2013 8.) 2016 OUTAGES BY CAUSE Animal- 0.1% Construction- 0.0% Lightning- 74.8% Non-Company- 0.0% Other/Unknown- 0.1% Overload- 0.0% Planned Work- 0.2% Trees- 24.8% Utility Equipment- 0.1% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 133.62 10.) **2016 SAIDI** 197.68 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.61

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

Continue to Monitor

12.) 2016 SAIFI

1.06

1.) SUBSTATION NAME AND NUMBER PERDUE 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN McLean - S R 2110 - Island 3.) CIRCUIT NAME AND NUMBER 1498 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Island - Old Island-Livermore Rd & Hwy 138 - NE & NW of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 8.9 6.) CUSTOMER COUNT FOR THIS CIRCUIT 7.) DATE OF LAST CIRCUIT TRIM (VM) 12/05/2015 8.) 2016 OUTAGES BY CAUSE Animal- 0.0% Construction- 0.0% Lightning- 26.4% Non-Company- 0.0% Other/Unknown- 6.8% Overload- 0.0% Planned Work- 3.5% Trees- 12.0% Utility Equipment- 51.4% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 82.77 10.) 2016 SAIDI 46.44 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.70 12.) 2016 SAIFI 0.89 13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER KUTTAWA 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Lyon - 3487 Lake Barkley Dr - Kuttawa 3.) CIRCUIT NAME AND NUMBER 1501 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Kuttawa - Hwy 295, Lake Shore Dr, & Holley St - SW & SE of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 11.1 6.) CUSTOMER COUNT FOR THIS CIRCUIT 399 7.) DATE OF LAST CIRCUIT TRIM (VM) 02/06/2010 8.) 2016 OUTAGES BY CAUSE Animal- 0.3% Construction- 0.0% Lightning- 0.4% Non-Company- 0.0% Other/Unknown- 0.1% Overload- 0.0% Planned Work- 0.2% Trees- 76.6% Utility Equipment- 22.3% Vehicle- 0.1% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 82.20 10.) **2016 SAIDI** 197.14 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.69

12.) 2016 SAIFI

Continue to Monitor

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

258

0.92

1.) SUBSTATION NAME AND NUMBER	FREDONIA
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Caldwell - 150 Wigginton Ln - Fredonia
3.) CIRCUIT NAME AND NUMBER	1507
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Fredonia - City of Fredonia & Hwy 641 - S of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	15.1
6.) CUSTOMER COUNT FOR THIS CIRCUIT	297
7.) DATE OF LAST CIRCUIT TRIM (VM)	09/25/2010
8.) 2016 OUTAGES BY CAUSE	
Animal-	1.5%
Construction-	0.0%
Lightning-	3.7%
Non-Company-	0.0%
Other/Unknown-	0.1%
Overload-	0.0%
Planned Work-	0.0%
Trees-	94.6%
Utility Equipment-	0.1%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	59.78
10.) <b>2016 SAIDI</b>	166.18
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.62
12.) <b>2016 SAIFI</b>	1.12
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	

1.) SUBSTATION NAME AND NUMBER	FREDONIA
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Caldwell - 150 Wigginton Ln - Fredonia
3.) CIRCUIT NAME AND NUMBER	1508
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Fredonia - Hwy 651, Loyd Rd, & Crayne Cemetery Rd - NW of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	15.9
6.) CUSTOMER COUNT FOR THIS CIRCUIT	220
7.) DATE OF LAST CIRCUIT TRIM (VM)	09/25/2010
8.) 2016 OUTAGES BY CAUSE	
Animal-	1.1%
Construction-	0.0%
Lightning-	0.8%
Non-Company-	0.0%
Other/Unknown-	87.3%
Overload-	0.0%
Planned Work-	9.9%
Trees-	0.9%
Utility Equipment-	0.0%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	84.22
10.) <b>2016 SAIDI</b>	95.15
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.20
12.) <b>2016 SAIFI</b>	1.18
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER FREDONIA 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Caldwell - 150 Wigginton Ln - Fredonia 3.) CIRCUIT NAME AND NUMBER 1509 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Fredonia - Hwy 91, Princeton Fredonia Rd, & Marion Rd - SE of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 6.) CUSTOMER COUNT FOR THIS CIRCUIT 180 7.) DATE OF LAST CIRCUIT TRIM (VM) 09/25/2010 8.) 2016 OUTAGES BY CAUSE Animal- 0.3% Construction- 0.0% Lightning- 38.7% Non-Company- 0.0% Other/Unknown- 5.5% Overload- 0.0% Planned Work- 0.6% Trees- 54.1% Utility Equipment- 0.6% Vehicle- 0.2% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 66.95 10.) 2016 SAIDI 170.61 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.70 12.) 2016 SAIFI 1.31 13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER CEDAR BLUFF 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Caldwell - 10195 Hopkinsville Rd - Princeton 3.) CIRCUIT NAME AND NUMBER 1515 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Princeton - Hopkinsville Rd, Sandlick Rd, Hwy 91 - E/NW of Subs 5.) TOTAL CIRCUIT LENGTH (MILES) 9.0 6.) CUSTOMER COUNT FOR THIS CIRCUIT 80 7.) DATE OF LAST CIRCUIT TRIM (VM) 11/03/2012 8.) 2016 OUTAGES BY CAUSE Animal- 0.0% Construction- 0.0% Lightning- 96.8% Non-Company- 0.0%

Trees- 0.0%

Planned Work- 2.1%

Overload- 0.0%

Utility Equipment- 1.1%

Other/Unknown- 0.0%

Vehicle- 0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 166.12
10.) 2016 SAIDI 204.56
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.80
12.) 2016 SAIFI 1.07

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

1.) SUBSTATION NAME AND NUMBER	CLAXTON	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	<b>V</b> Caldwell - 1600 Jones-Keeney Rd - Princeton	
3.) CIRCUIT NAME AND NUMBER	1519	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Princeton - Mt Hebron Rd, Dearing Cem. Rd - W & E of Subst.	
5.) TOTAL CIRCUIT LENGTH (MILES)	12.1	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	50	
7.) DATE OF LAST CIRCUIT TRIM (VM)	01/11/2013	
8.) 2016 OUTAGES BY CAUSE		
Animal- 0.0%		
Construction-	0.0%	
Lightning- 100.0%		
Non-Company- 0.0%		
Other/Unknown- 0.0%		
Overload- 0.0%		
Planned Work- 0.0%		
Trees-	0.0%	
Utility Equipment- 0.0%		
Vehicle-	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	69.83	
10.) <b>2016 SAIDI</b>	98.00	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.82	
12.) <b>2016 SAIFI</b>	1.00	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1.) SUBSTATION NAME AND NUMBER	BARNHILL	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Webster - 7390 Rabbit Ridge Rd - Providence	
3.) CIRCUIT NAME AND NUMBER	1520	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Providence - Hwy 109 - S of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	5.2	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	30	
7.) DATE OF LAST CIRCUIT TRIM (VM)	02/04/2012	
8.) 2016 OUTAGES BY CAUSE		
Animal-	0.0%	
Construction-	0.0%	
Lightning-	6.7%	
Non-Company-	0.0%	
Other/Unknown- 93.3%		
Overload- 0.0%		
Planned Work- 0.0%		
Trees- 0	0.0%	
Utility Equipment- o	).0%	
Vehicle- o	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	164.59	
10.) <b>2016 SAIDI</b>	795.06	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.22	
12.) <b>2016 SAIFI</b>	1.00	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1.) SUBSTATION NAME AND NUMBER SIXTH VEIN 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Hopkins - 2395 Sixth Vein Rd - Dawson Springs 3.) CIRCUIT NAME AND NUMBER 1541 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Dawson Springs - Charleston Rd, Hwy 70, Campbell Rd, & High Glory Rd - N of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 40.9 6.) CUSTOMER COUNT FOR THIS CIRCUIT 458 7.) DATE OF LAST CIRCUIT TRIM (VM) 01/21/2012 8.) 2016 OUTAGES BY CAUSE Animal- 1.6% Construction- 8.3% Lightning- 76.8% Non-Company- 0.0% Other/Unknown- 0.8% Overload- 0.0% Planned Work- 1.0% Trees- 7.7% Utility Equipment- 0.0% Vehicle- 3.8% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 166.22 10.) 2016 SAIDI 96.23 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.66

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

Continue to Monitor

12.) 2016 SAIFI

2.18

1.) SUBSTATION NAME AND NUMBER SIXTH VEIN 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Hopkins - 2395 Sixth Vein Rd - Dawson Springs 3.) CIRCUIT NAME AND NUMBER 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Dawson Springs - Fergusontown Rd, Hwy 109, Niles Rd & Fox Rd - W & S of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 26.3 6.) CUSTOMER COUNT FOR THIS CIRCUIT 331 7.) DATE OF LAST CIRCUIT TRIM (VM) 03/10/2012 8.) 2016 OUTAGES BY CAUSE Animal- 0.1% Construction- 0.0% Lightning- 23.7% Non-Company- 0.0% Other/Unknown- 2.3% Overload- 0.0% Planned Work- 6.5% Trees- 0.3% Utility Equipment- 45.4% Vehicle- 21.7% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 49.12 10.) 2016 SAIDI 142.93 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.58 12.) 2016 SAIFI 1.10

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

1.) SUBSTATION NAME AND NUMBER	ST CHARLES
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	N Hopkins - 660 St. Charles Rd - St. Charles
3.) CIRCUIT NAME AND NUMBER	1553
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	St. Charles - City of St. Charles & Mc Gregor Rd - SE of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	12.3
6.) CUSTOMER COUNT FOR THIS CIRCUIT	211
7.) DATE OF LAST CIRCUIT TRIM (VM)	03/17/2012
8.) 2016 OUTAGES BY CAUSE	
Animal	0.3%
Construction-	0.0%
Lightning-	0.0%
Non-Company-	0.0%
Other/Unknown-	52.9%
Overload-	0.0%
Planned Work-	1.5%
Trees-	45.3%
Utility Equipment-	0.0%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	48.88
10.) <b>2016 SAIDI</b>	136.39
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.42
12.) <b>2016 SAIFI</b>	1.15
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	

1.) SUBSTATION NAME AND NUMBER ST CHARLES 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Hopkins - 660 St. Charles Rd - St. Charles 3.) CIRCUIT NAME AND NUMBER 1554 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) St. Charles - Ilsley Rd, Union Temple Rd, & Hwy 112 - SW/NW of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 67.9 6.) CUSTOMER COUNT FOR THIS CIRCUIT 616 7.) DATE OF LAST CIRCUIT TRIM (VM) 08/04/2012 8.) 2016 OUTAGES BY CAUSE Animal- 0.3% Construction- 0.0% Lightning- 4.7% Non-Company- 0.0% Other/Unknown- 61.1% Overload- 0.0% Planned Work- 0.8% Trees- 29.5% Utility Equipment- 1.6% Vehicle- 1.9% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 86.30 10.) 2016 SAIDI 180.47 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.97 12.) 2016 SAIFI 2.02

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

1.) SUBSTATION NAME AND NUMBER	GRAHAM	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Muhlenberg - 5230 S R 175 S - Greenville	
3.) CIRCUIT NAME AND NUMBER	1603	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Greenville - S R 175, Landfill Rd, & S R 70 - NW of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	19.9	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	315	
7.) DATE OF LAST CIRCUIT TRIM (VM)	01/24/2013	
8.) 2016 OUTAGES BY CAUSE		
Animal- 1.9%		
Construction-	0.0%	
Lightning-	0.5%	
Non-Company-	13.2%	
Other/Unknown-	19.3%	
Overload-	0.0%	
Planned Work-	0.0%	
Trees-	27.1%	
Utility Equipment-	37.9%	
Vehicle-	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	74.97	
10.) <b>2016 SAIDI</b>	89.33	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.00	
12.) <b>2016 SAIFI</b>	1.06	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

Tree Trim Scheduled for 2017

1.) SUBSTATION NAME AND NUMBER CALHOUN 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN McLean - 530 W First St - Calhoun 3.) CIRCUIT NAME AND NUMBER 1607 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Calhoun - State Hwy 81, W 2nd St, Walnut St - NE & S of Subst. 5.) TOTAL CIRCUIT LENGTH (MILES) 6.) CUSTOMER COUNT FOR THIS CIRCUIT 367 7.) DATE OF LAST CIRCUIT TRIM (VM) 03/22/2013 8.) 2016 OUTAGES BY CAUSE Animal- 0.0% Construction- 0.3% Lightning- 5.7% Non-Company- 0.0% Other/Unknown- 8.8% Overload- 0.0% Planned Work- 1.6% Trees- 67.1% Utility Equipment- 16.5% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 37.04 10.) 2016 SAIDI 53.65 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.36 12.) 2016 SAIFI 0.22

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

Tree Trim Scheduled for 2017

1.) SUBSTATION NAME AND NUMBER SHAVERS CHAPEL 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Muhlenberg - 7870 S R 181 N - Bremen 3.) CIRCUIT NAME AND NUMBER 1612 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Bremen - S R 181, HWY 70, & New Harmony Rd- S of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 44.9 6.) CUSTOMER COUNT FOR THIS CIRCUIT 797 7.) DATE OF LAST CIRCUIT TRIM (VM) 06/21/2014 8.) 2016 OUTAGES BY CAUSE Animal- 2.0% Construction- 0.0% Lightning- 3.0% Non-Company- 42.6% Other/Unknown- 19.2% Overload- 0.0% Planned Work- 7.6% Trees- 25.3% Utility Equipment- 0.3% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 38.55 10.) 2016 SAIDI 66.96 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.44 12.) 2016 SAIFI 0.69 13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER **GREENVILLE 12KV** 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Muhlenberg - 200 N Boggess Ave - Greenville 3.) CIRCUIT NAME AND NUMBER 1615 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Greenville - Hwy 181, 62, 171, SR 189, & Bards Hill Rd - W&S of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 95.9 6.) CUSTOMER COUNT FOR THIS CIRCUIT 1,803 7.) DATE OF LAST CIRCUIT TRIM (VM) 05/06/2016 8.) 2016 OUTAGES BY CAUSE Animal- 0.6% Construction- 0.0% Lightning- 3.8% Non-Company- 0.0% Other/Unknown- 11.3% Overload- 0.0% Planned Work- 0.8% Trees- 82.7% Utility Equipment- 0.6% Vehicle- 0.2% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 107.01 10.) 2016 SAIDI 222.78 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)

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

Trees Trimmed in 2016

12.) 2016 SAIFI

1.29

2.48

1.) SUBSTATION NAME AND NUMBER	GREENVILLE
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Muhlenberg - 117 E Depot St - Greenville
3.) CIRCUIT NAME AND NUMBER	1622
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Greenville - W Depot St, N Cherry St, & Short St - SE of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	4.9
6.) CUSTOMER COUNT FOR THIS CIRCUIT	418
7.) DATE OF LAST CIRCUIT TRIM (VM)	02/19/2011
8.) 2016 OUTAGES BY CAUSE	
Animal	0.0%
Construction-	0.0%
Lightning-	0.0%
Non-Company-	0.0%
Other/Unknown-	0.0%
Overload	0.0%
Planned Work-	11.5%
Trees-	0.0%
Utility Equipment-	88.5%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	17.79
10.) <b>2016 SAIDI</b>	32.97
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.21
12.) <b>2016 SAIFI</b>	0.47
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	

1.)	SUBSTATION NAME AND NUMBER	POWDERLY
2.)	SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Muhlenberg - Opportunity Way - Greenville
3.)	CIRCUIT NAME AND NUMBER	1625
4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Greenville - Opportunity Way & N Main St - E of Substation
5.)	TOTAL CIRCUIT LENGTH (MILES)	1.1
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	25
7.)	DATE OF LAST CIRCUIT TRIM (VM)	12/12/2015
8.)	2016 OUTAGES BY CAUSE	
	Animal-	18.8%
	Construction-	0.0%
	Lightning-	0.0%
Non-Company- 0.0%		
Other/Unknown- 0.0%		
Overload- 0.0%		
Planned Work- 0.0%		
Trees- 0.0%		
Utility Equipment- 81.3%		
	Vehicle-	0.0%
9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	0.40
10.)	2016 SAIDI	1.24
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.02
12.)	2016 SAIFI	0.08
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1.) SUBSTATION NAME AND NUMBER	POWDERLY
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Muhlenberg - Opportunity Way - Greenville
3.) CIRCUIT NAME AND NUMBER	1626
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Greenville - Main St - NE of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	25.2
6.) CUSTOMER COUNT FOR THIS CIRCUIT	832
7.) DATE OF LAST CIRCUIT TRIM (VM)	12/12/2015
8.) 2016 OUTAGES BY CAUSE	
Animal-	1.4%
Construction-	0.0%
Lightning-	59.7%
Non-Company-	2.7%
Other/Unknown-	3.8%
Overload-	0.0%
Planned Work-	14.2%
Trees-	18.0%
Utility Equipment-	0.2%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	51.83
10.) <b>2016 SAIDI</b>	62.05
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.57
12.) <b>2016 SAIFI</b>	0.48
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER ISLAND 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN McLean - 499 E Main St - Island 3.) CIRCUIT NAME AND NUMBER 1638 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Island - City of Island, Hwy 85, 1412, & Old Island Rd - W & E of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 37.9 6.) CUSTOMER COUNT FOR THIS CIRCUIT 613 7.) DATE OF LAST CIRCUIT TRIM (VM) 08/28/2010 8.) 2016 OUTAGES BY CAUSE Animal- 0.3% Construction- 0.0% Lightning- 40.6% Non-Company- 30.1% Other/Unknown- 0.2% Overload- 0.1% Planned Work- 0.2% Trees- 6.9% Utility Equipment- 9.3% Vehicle- 12.2% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 57.67 10.) 2016 SAIDI 180.01 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.58 12.) 2016 SAIFI

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

Continue to Monitor

1.37

1.) SUBSTATION NAME AND NUMBER	LIVERMORE
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	McLean - 190 Main St - Livermore
3.) CIRCUIT NAME AND NUMBER	1642
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Livermore - Hill St, Hwy 431, & Comy Dock Rd - NE of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	6.4
6.) CUSTOMER COUNT FOR THIS CIRCUIT	348
7.) DATE OF LAST CIRCUIT TRIM (VM)	03/22/2013
8.) 2016 OUTAGES BY CAUSE	
Animal-	1.1%
Construction-	0.7%
Lightning-	6.3%
Non-Company-	0.0%
Other/Unknown-	7.5%
Overload-	0.0%
Planned Work-	3.1%
Trees-	4.4%
Utility Equipment-	76.9%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	13.48
10.) <b>2016 SAIDI</b>	19.19
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.20
12.) <b>2016 SAIFI</b>	0.25
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER	CENTRAL CITY
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	<b>N</b> Muhlenberg - 106 Pendleton St - Central City
3.) CIRCUIT NAME AND NUMBER	1645
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Central City - Hwy 70, S Cherry Hill Rd - W of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	12.2
6.) CUSTOMER COUNT FOR THIS CIRCUIT	428
7.) DATE OF LAST CIRCUIT TRIM (VM)	09/28/2015
8.) 2016 OUTAGES BY CAUSE	
Animal	- 0.2%
Construction	0.0%
Lightning	8.1%
Non-Company-	0.8%
Other/Unknown-	52.8%
Overload-	0.0%
Planned Work-	0.5%
Trees-	3.6%
Utility Equipment-	34.0%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	125.18
10.) <b>2016 SAIDI</b>	269.83
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.62
12.) <b>2016 SAIFI</b>	4.13
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER CENTRAL CITY SOUTH 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Muhlenberg - 500 E Second Ave - Central City 3.) CIRCUIT NAME AND NUMBER 1650 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Central City - Everly Borthers Blvd, S R 604, US 431 - E of Subst. 5.) TOTAL CIRCUIT LENGTH (MILES) 12.0 6.) CUSTOMER COUNT FOR THIS CIRCUIT 437 7.) DATE OF LAST CIRCUIT TRIM (VM) 10/31/2015 8.) 2016 OUTAGES BY CAUSE Animal- 0.5% Construction- 0.0% Lightning- 0.0% Non-Company- 0.0% Other/Unknown- 0.0% Overload- 0.0% Planned Work- 0.1% Trees- 27.8% Utility Equipment- 0.5% Vehicle- 71.1% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 71.56 10.) **2016 SAIDI** 10.29 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.98 12.) 2016 SAIFI 1.12

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

1.)	SUBSTATION NAME AND NUMBER	CENTRAL CITY SOUTH
2.)	SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Muhlenberg - 500 E Second Ave - Central City
3.)	CIRCUIT NAME AND NUMBER	1651
4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Central City - W 2nd Ave, Center St, W Reservoir St - W of Subst.
5.)	TOTAL CIRCUIT LENGTH (MILES)	5.3
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	407
7.)	DATE OF LAST CIRCUIT TRIM (VM)	11/21/2015
8.)	2016 OUTAGES BY CAUSE	
	Animal-	0.0%
	Construction-	0.0%
	Lightning-	67.5%
	Non-Company-	0.0%
	Other/Unknown-	0.0%
	Overload-	0.0%
	Planned Work-	10.4%
	Trees-	21.3%
	Utility Equipment-	0.9%
	Vehicle-	0.0%
9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	29.09
10.)	2016 SAIDI	40.12
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.46
12.)	2016 SAIFI	0.71
121	LICT OF CORRECTIVE A CTUAL CO.	

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

1.) SUBSTATION NAME AND NUMBER	BEECH CREEK 1
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Muhlenberg - 169 Beech Creek Browder Rd - Beech Creek
3.) CIRCUIT NAME AND NUMBER	1668
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Beech Creek - Arnold Hill Rd, State Route 1163 - SW of Subst.
5.) TOTAL CIRCUIT LENGTH (MILES)	21.6
6.) CUSTOMER COUNT FOR THIS CIRCUIT	299
7.) DATE OF LAST CIRCUIT TRIM (VM)	05/07/2013
8.) 2016 OUTAGES BY CAUSE	
Animal-	0.1%
Construction-	0.0%
Lightning-	2.7%
Non-Company-	0.0%
Other/Unknown-	5.4%
Overload-	0.0%
Planned Work-	87.4%
Trees-	3.1%
Utility Equipment-	1.2%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	57.71
10.) <b>2016 SAIDI</b>	91.48
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.48
12.) <b>2016 SAIFI</b>	1.15
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

	1.)	SUBSTATION NAME AND NUMBER	BEECH CREEK 1
	2.)	SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Muhlenberg - 169 Beech Creek Browder Rd - Beech Creek
		CIRCUIT NAME AND NUMBER	1671
	4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Beech Creek - Beech Creek Browder Rd - NE of Substation
	5.)	TOTAL CIRCUIT LENGTH (MILES)	3.9
	6.)	CUSTOMER COUNT FOR THIS CIRCUIT	95
	7.)	DATE OF LAST CIRCUIT TRIM (VM)	05/07/2013
	8.)	2016 OUTAGES BY CAUSE	
		Animal-	0.0%
		Construction-	0.0%
		Lightning-	0.0%
	Non-Company- 0.0%		
Other/Unknown- 0.0%			
Overload- 0.0%			
Planned Work- 100.0%			
		Trees-	0.0%
Utility Equipment- 0.0%			
		Vehicle-	0.0%
	9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	28.52
	10.)	2016 SAIDI	80.00
	11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.38
	12.)	2016 SAIFI	1.00
	13.)	LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER	DRAKESBORO
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Muhlenberg - 201 S Mine St - Drakesboro
3.) CIRCUIT NAME AND NUMBER	1674
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Drakesboro - Broad St, SR 2107, & Big Springs Rd - NE of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	11.8
6.) CUSTOMER COUNT FOR THIS CIRCUIT	388
7.) DATE OF LAST CIRCUIT TRIM (VM)	07/19/2013
8.) 2016 OUTAGES BY CAUSE	
Animal-	0.0%
Construction-	0.0%
Lightning-	0.0%
Non-Company-	24.9%
Other/Unknown-	63.4%
Overload	0.0%
Planned Work-	6.5%
Trees-	1.1%
Utility Equipment-	4.1%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	19.74
10.) <b>2016 SAIDI</b>	22.75
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.39
12.) <b>2016 SAIFI</b>	0.34
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.)	SUBSTATION NAME AND NUMBER	GREEN RIVER STEEL
2.)	SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Daviess - 4575 US 60 E - Owensboro
3.)	CIRCUIT NAME AND NUMBER	1676
4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Owensboro - Ellis Smeathers Rd & US 60 - NE of Substation
5.)	TOTAL CIRCUIT LENGTH (MILES)	3.3
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	22
7.)	DATE OF LAST CIRCUIT TRIM (VM)	07/19/2012
8.)	2016 OUTAGES BY CAUSE	
Animal- 0.0%		
	Construction-	0.0%
Lightning- 0.0%		
Non-Company- 0.0%		
	Other/Unknown-	5.2%
	Overload-	
	Planned Work-	0.0%
	Trees-	
	Utility Equipment-	
٥.\	Vehicle-	0.0%
	CIRCUIT 5 YEAR AVERAGE (SAIDI)	53.59
10.)	2016 SAIDI	98.86
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.71
12.)	2016 SAIFI	0.45
13.)	LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER SALEM 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Livingston - 266 W Main St - Salem 3.) CIRCUIT NAME AND NUMBER 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Salem - Hwy 60, College St, & Levias Rd - ENE of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 19.8 6.) CUSTOMER COUNT FOR THIS CIRCUIT 407 7.) DATE OF LAST CIRCUIT TRIM (VM) 04/30/2011 8.) 2016 OUTAGES BY CAUSE Animal- 2.2% Construction- 0.0% Lightning- 5.6% Non-Company- 0.0% Other/Unknown- 13.4% Overload- 0.0% Planned Work- 23.2% Trees- 47.0% Utility Equipment- 3.2% Vehicle- 5.4% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 38.80 10.) 2016 SAIDI 91.74 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.60 12.) 2016 SAIFI 1.01 13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN Continue to Monitor

1.)	SUBSTATION NAME AND NUMBER	SALEM
2.)	SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Livingston - 266 W Main St - Salem
3.)	CIRCUIT NAME AND NUMBER	1704
4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Salem - Hayden Ave, Hwy 723, & Jayna Ln - NE/SE of Substation
5.)	TOTAL CIRCUIT LENGTH (MILES)	14.0
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	308
7.)	DATE OF LAST CIRCUIT TRIM (VM)	04/30/2011
8.)	2016 OUTAGES BY CAUSE	
	Animal-	0.8%
	Construction-	42.5%
	Lightning-	8.8%
	Non-Company-	0.0%
	Other/Unknown-	0.2%
	Overload-	0.0%
	Planned Work-	9.5%
	Trees-	31.2%
	Utility Equipment-	6.9%
	Vehicle-	0.0%
9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	37.64
10.)	2016 SAIDI	72.93
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.54
12.)	2016 SAIFI	1.59
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

Reliability Improvements Scheduled for 2017

1.) SUBSTATION NAME AND NUMBER	DYCUSBURG	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Crittenden - 9315 S R 70 - Dycusburg	
3.) CIRCUIT NAME AND NUMBER	1707	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Dycusburg - City of Dycusburg, S R 70 - N & SW of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	7.0	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	87	
7.) DATE OF LAST CIRCUIT TRIM (VM)	09/04/2010	
8.) 2016 OUTAGES BY CAUSE		
Animal-	3.3%	
Construction-	0.0%	
Lightning-	0.0%	
Non-Company-	0.0%	
Other/Unknown-	0.0%	
Overload-	0.0%	
Planned Work-	17.7%	
Trees-	79.1%	
Utility Equipment-	0.0%	
Vehicle-	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	16.39	
10.) <b>2016 SAIDI</b>	16.76	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.18	
12.) <b>2016 SAIFI</b>	0.14	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1.)	SUBSTATION NAME AND NUMBER	MEXICO
2.)	SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Crittenden - 2747 S R 70 - Crayne
3.)	CIRCUIT NAME AND NUMBER	1709
4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Crayne - S R 70 & Marion Rd - W of Substation
5.)	TOTAL CIRCUIT LENGTH (MILES)	11.4
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	127
7.)	DATE OF LAST CIRCUIT TRIM (VM)	09/18/2010
8.)	2016 OUTAGES BY CAUSE	
	Animal-	0.0%
	Construction-	0.0%
	Lightning-	0.0%
	Non-Company-	0.0%
	Other/Unknown-	23.3%
	Overload-	0.0%
	Planned Work-	9.7%
	Trees-	
	Utility Equipment-	
0.1	Vehicle-	0.0%
	CIRCUIT 5 YEAR AVERAGE (SAIDI)	9.09
10.)	2016 SAIDI	9.86
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.10
12.)	2016 SAIFI	0.10
13.)	LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER MARION SOUTH 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Crittenden - 505 Chappell Hill Rd - Marion 3.) CIRCUIT NAME AND NUMBER 1710 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Marion - Hwy 60, N Main St, Sturgis Rd, & Old Fords Ferry Rd - N & W of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 26.9 6.) CUSTOMER COUNT FOR THIS CIRCUIT 910 7.) DATE OF LAST CIRCUIT TRIM (VM) 12/11/2010 8.) 2016 OUTAGES BY CAUSE Animal- 0.7% Construction- 0.0% Lightning- 54.0% Non-Company- 0.0% Other/Unknown- 1.1% Overload- 0.0% Planned Work- 6.7% Trees- 17.2% Utility Equipment- 17.3% Vehicle- 2.9% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 33.02 10.) **2016 SAIDI** 35.00 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.40 12.) 2016 SAIFI 0.20

Continue to Monitor

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

1.) SUBSTATION NAME AND NUMBER	STURGIS 4KV
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	<b>V</b> Union - 1402 N Washington St - Sturgis
3.) CIRCUIT NAME AND NUMBER	1725
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Sturgis - Cs 2047, 8th St, 3rd St, & 10th St - S of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	4.3
6.) CUSTOMER COUNT FOR THIS CIRCUIT	393
7.) DATE OF LAST CIRCUIT TRIM (VM)	06/27/2015
8.) 2016 OUTAGES BY CAUSE	
Animal	- 0.0%
Construction	- 0.0%
Lightning	- 0.0%
Non-Company	- 0.0%
Other/Unknown	- 0.0%
Overload	- 0.0%
Planned Work	0.0%
Trees	40.3%
Utility Equipment-	59.7%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	4.44
10.) <b>2016 SAIDI</b>	6.46
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.07
12.) <b>2016 SAIFI</b>	0.09
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER MORGANFIELD INDUSTRIAL 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Union - 3324 U S HWY 60 E - Morganfield 3.) CIRCUIT NAME AND NUMBER 1762 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Morganfield - US HWY 60, Blessed Martin Rd, & King Mill Rd - NE of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 6.) CUSTOMER COUNT FOR THIS CIRCUIT 208 7.) DATE OF LAST CIRCUIT TRIM (VM) 09/09/2009 8.) 2016 OUTAGES BY CAUSE Animal- 0.6% Construction- 0.0% Lightning- 97.3% Non-Company- 0.0% Other/Unknown- 1.2% Overload- 0.0% Planned Work- 0.0% Trees- 0.1% Utility Equipment- 0.8%

9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	62.08
10.)	2016 SAIDI	25.91
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.02
12.)	2016 SAIFI	2.47

Vehicle- 0.0%

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

1.)	SUBSTATION NAME AND NUMBER	MORGANFIELD INDUSTRIAL
2.)	SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Union - 3324 U S HWY 60 E - Morganfield
3.)	CIRCUIT NAME AND NUMBER	1763
4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Morganield - Buchanan Rd - E & W of Substation
5.)	TOTAL CIRCUIT LENGTH (MILES)	1.9
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	20
7.)	DATE OF LAST CIRCUIT TRIM (VM)	09/09/2009
8.)	2016 OUTAGES BY CAUSE	

Animal- 0.0%

Construction- 0.0%

Lightning- 100.0%

Non-Company- 0.0%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 0.0%

Trees- 0.0%

Utility Equipment- 0.0%

Vehicle- 0.0%

CIRCUIT 5 YEAR AVERAGE (SAIDI)	29.99
2016 SAIDI	145.00
CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.21
2016 SAIFI	1.00
	2016 SAIDI CIRCUIT 5 YEAR AVERAGE (SAIFI)

 $13.)\;\;$  list of corrective action, if any, taken or to be taken

1.) SUBSTATION NAME AND NUMBER	MANNINGTON	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Christian - 2535 Mannington Loop - Mannington	
3.) CIRCUIT NAME AND NUMBER	1801	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Mannington - HWY 407 & US 41- E of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	3.6	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	26	
7.) DATE OF LAST CIRCUIT TRIM (VM)	02/28/2013	
8.) 2016 OUTAGES BY CAUSE		
Animal-	0.0%	
Construction-	0.0%	
Lightning-	3.2%	
Non-Company-	0.0%	
Other/Unknown-	96.8%	
Overload-	0.0%	
Planned Work-	0.0%	
Trees-	0.0%	
Utility Equipment-	0.0%	
Vehicle-	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	186.17	
10.) <b>2016 SAIDI</b>	53.39	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.67	
12.) <b>2016 SAIFI</b>	1.10	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1.) SUBSTATION NAME AND NUMBER	BORG-WARNER	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Hopkins - 1000 Island Ford Rd - Madisonville	
3.) CIRCUIT NAME AND NUMBER	1805	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Madisonville SSE of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	0.7	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	8	
7.) DATE OF LAST CIRCUIT TRIM (VM)	Underground Circuit	
8.) 2016 OUTAGES BY CAUSE		
Animal-	0.0%	
Construction-	0.0%	
Lightning-	0.0%	
Non-Company-	0.0%	
Other/Unknown-	0.0%	
Overload-	0.0%	
Planned Work-	0.0%	
Trees-	0.0%	
Utility Equipment-	100.0%	
Vehicle-	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	0.95	
10.) <b>2016 SAIDI</b>	4.75	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.03	
12.) <b>2016 SAIFI</b>	0.13	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1.) SUBSTATION NAME AND NUMBER	BORG-WARNER
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Hopkins - 1000 Island Ford Rd - Madisonville
3.) CIRCUIT NAME AND NUMBER	1807
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Madisonville - Whittington Dr/St Malo Dr/Pin Oak St - NW of Subst.
5.) TOTAL CIRCUIT LENGTH (MILES)	13.3
6.) CUSTOMER COUNT FOR THIS CIRCUIT	459
7.) DATE OF LAST CIRCUIT TRIM (VM)	04/12/2013
8.) 2016 OUTAGES BY CAUSE	
Animal-	0.4%
Construction-	0.0%
Lightning-	4.1%
Non-Company-	0.0%
Other/Unknown-	88.2%
Overload-	0.0%
Planned Work-	1.8%
Trees-	0.4%
Utility Equipment-	5.1%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	104.82
10.) <b>2016 SAIDI</b>	129.16
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.91
12.) <b>2016 SAIFI</b>	1.62
13 ) LIST OF CORRECTIVE ACTION IF ANY TAKEN OR	TO DE TAUTO

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

Reliability Improvements Scheduled for 2017

1.) SUBSTATION NAME AND NUMBER **ECHOLS** 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Ohio - 5590 S R 1245 - Rockport 3.) CIRCUIT NAME AND NUMBER 1903 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Rockport - Hwy 1245, Hwy 62, & City of Rockport - NW & SE of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 14.7 6.) CUSTOMER COUNT FOR THIS CIRCUIT 330 7.) DATE OF LAST CIRCUIT TRIM (VM) 12/05/2015 8.) 2016 OUTAGES BY CAUSE Animal- 0.7% Construction- 0.0% Lightning- 91.6% Non-Company- 0.0% Other/Unknown- 1.7% Overload- 0.0% Planned Work- 0.5% Trees- 5.6% Utility Equipment- 0.0% Vehicle- 0.0% Q \ CIRCUIT E VEAR AVERAGE (CAIRI)

9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	76.72
10.)	2016 SAIDI	120.40
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.59
12.)	2016 SAIFI	1.08

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

1.) SUBSTATION NAME AND NUMBER	RIVERVIEW
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Ohio - 25 Riverview Rd - McHenry
3.) CIRCUIT NAME AND NUMBER	1907
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	McHenry - Watts Rd, City of McHenry, & HWY 62 - E & S of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	23.9
6.) CUSTOMER COUNT FOR THIS CIRCUIT	517
7.) DATE OF LAST CIRCUIT TRIM (VM)	04/28/2012
8.) 2016 OUTAGES BY CAUSE	
Animal	0.0%
Construction-	0.0%
Lightning-	0.0%
Non-Company-	0.2%
Other/Unknown-	1.5%
Overload	0.1%
Planned Work-	0.3%
Trees-	96.0%
Utility Equipment-	1.9%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	18.90
10.) <b>2016 SAIDI</b>	24.15
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.22
12.) <b>2016 SAIFI</b>	0.28
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER	HARTFORD	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	<b>V</b> Ohio - 425 Walnut St - Hartford	
3.) CIRCUIT NAME AND NUMBER	1912	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Hartford - HWY 69, Frederica St, & Mulberry Ct- NE of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	11.6	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	480	
7.) DATE OF LAST CIRCUIT TRIM (VM)	12/16/2014	
8.) 2016 OUTAGES BY CAUSE		
Animal	- 0.6%	
Construction	- 0.0%	
Lightning	6.9%	
Non-Company- 0.0%		
Other/Unknown- 0.5%		
Overload- 0.0%		
Planned Work- 1.2%		
Trees- 89.9%		
Utility Equipment- 0.8%		
Vehicle- 0.0%		
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	76.62	
10.) <b>2016 SAIDI</b>	192.49	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.63	
12.) <b>2016 SAIFI</b>	1.25	

 $13.) \ \ \textbf{LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN}$ 

1.) SUBSTATION NAME AND NUMBER **BUENA VISTA** 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Garrard - 164 High Bridge Rd. - Lancaster 3.) CIRCUIT NAME AND NUMBER 2105 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Lancaster - Rock Quarry Rd, Lexington Rd, & US 27 - E of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 19.7 6.) CUSTOMER COUNT FOR THIS CIRCUIT 302 7.) DATE OF LAST CIRCUIT TRIM (VM) 02/25/2013 8.) 2016 OUTAGES BY CAUSE Animal- 55.1% Construction- 0.0% Lightning- 0.0% Non-Company- 0.0% Other/Unknown- 0.0% Overload- 0.0% Planned Work- 0.0% Trees- 41.6% Utility Equipment- 3.2% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 85.62 10.) 2016 SAIDI 96.86 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.69 12.) 2016 SAIFI 1.07

Tree Trim Scheduled for 2017

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

1.) SUBSTATION NAME AND NUMBER BUENA VISTA 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Garrard - 164 High Bridge Rd. - Lancaster 3.) CIRCUIT NAME AND NUMBER 2106 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Lancaster - Kennedy Bridge Rd, Ashley Camp Rd, & Chminey Rock Rd - W of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 29.3 6.) CUSTOMER COUNT FOR THIS CIRCUIT 1,028 7.) DATE OF LAST CIRCUIT TRIM (VM) 02/25/2013 8.) 2016 OUTAGES BY CAUSE Animal- 39.1% Construction- 0.0% Lightning- 0.5% Non-Company- 0.0% Other/Unknown- 0.0% Overload- 0.0% Planned Work- 1.0% Trees- 57.9% Utility Equipment- 1.2% Vehicle- 0.3% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 53.99 10.) 2016 SAIDI 109.34 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.45 12.) 2016 SAIFI 1.09

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

Tree Trim Scheduled for 2017

1.) SUBSTATION NAME AND NUMBER	DANVILLE 1 4KV		
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Boyle - 494 S 4TH ST - Danville			
3.) CIRCUIT NAME AND NUMBER	2110		
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Danville - S 3rd St, MLK Blvd, & E Walnut St - N of Substation		
5.) TOTAL CIRCUIT LENGTH (MILES)	1.5		
6.) CUSTOMER COUNT FOR THIS CIRCUIT	139		
7.) DATE OF LAST CIRCUIT TRIM (VM)	06/02/2015		
8.) 2016 OUTAGES BY CAUSE			
Animal	- 0.0%		
Construction	- 0.0%		
Lightning.	- 0.0%		
Non-Company- 0.0%			
Other/Unknown- 0.0%			
Overload-	0.0%		
Planned Work-	100.0%		
Trees-	0.0%		
Utility Equipment-	0.0%		
Vehicle-	0.0%		
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	0.49		
10.) <b>2016 SAIDI</b>	1.82		
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.02		
12.) <b>2016 SAIFI</b>	0.02		
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN			

1.)	SUBSTATION NAME AND NUMBER	DANVILLE E 4KV
2.)	SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Boyle - 805 East Dr - Danville
3.)	CIRCUIT NAME AND NUMBER	2111
4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Danville - E Walnut St, Alta Ave, & E Main St - W of Substation
5.)	TOTAL CIRCUIT LENGTH (MILES)	2.5
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	341
7.)	DATE OF LAST CIRCUIT TRIM (VM)	03/01/2010
8.)	2016 OUTAGES BY CAUSE	
	Animal-	0.0%
	Construction-	0.0%
	Lightning-	0.0%
	Non-Company-	0.0%
	Other/Unknown-	0.0%
	Overload-	0.0%
	Planned Work-	42.4%
	Trees-	0.0%
	Utility Equipment-	57.6%
	Vehicle-	0.0%
9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	3.54
10.)	2016 SAIDI	4.52
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.05
12.)	2016 SAIFI	0.07
131	LIST OF CORRECTIVE ACTION IF ANY TAKEN OR	

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

1.) SUBSTATION NAME AND NUMBER DANVILLE E 12KV 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Boyle - 805 East Dr - Danville 3.) CIRCUIT NAME AND NUMBER 2113 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Danville - Lexington Ave, Fork Church Rd, & Lancaster Rd - NW & E of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 46.6 6.) CUSTOMER COUNT FOR THIS CIRCUIT 1,301 7.) DATE OF LAST CIRCUIT TRIM (VM) 06/01/2010 8.) 2016 OUTAGES BY CAUSE Animal- 0.2% Construction- 0.0% Lightning- 55.8% Non-Company- 0.0% Other/Unknown- 2.0% Overload- 0.0% Planned Work- 1.5% Trees- 3.4% Utility Equipment- 5.7% Vehicle- 31.3% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 107.73 10.) 2016 SAIDI 134.41 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.17 12.) 2016 SAIFI 1.71

Reliability Improvements Scheduled for 2017

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

1.) SUBSTATION NAME AND NUMBER	DANVILLE E 12KV		
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Boyle - 805 East Dr - Danville			
3.) CIRCUIT NAME AND NUMBER	2114		
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Danville - Hill N Dale St, Lexington St, Shakertown Rd, & 4th St - N of Substation		
5.) TOTAL CIRCUIT LENGTH (MILES)	31.4		
6.) CUSTOMER COUNT FOR THIS CIRCUIT	1,795		
7.) DATE OF LAST CIRCUIT TRIM (VM)	03/01/2010		
8.) 2016 OUTAGES BY CAUSE			
Animal-	44.0%		
Construction-	0.2%		
Lightning-	1.4%		
Non-Company-	0.0%		
Other/Unknown-	31.3%		
Overload-	0.0%		
Planned Work-	7.7%		
Trees-	11.6%		
Utility Equipment-	3.8%		
Vehicle-	0.0%		
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	26.92		
10.) <b>2016 SAIDI</b>	36.67		
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.32		
12.) <b>2016 SAIFI</b>	0.47		
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN			

1.) SUBSTATION NAME AND NUMBER DANVILLE E 12KV 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Boyle - 805 East Dr - Danville 3.) CIRCUIT NAME AND NUMBER 2115 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Danville - Stanford Rd, Baughman Ave, & Danville Bypass - S of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 6.) CUSTOMER COUNT FOR THIS CIRCUIT 710 7.) DATE OF LAST CIRCUIT TRIM (VM) 03/01/2010 8.) 2016 OUTAGES BY CAUSE Animal- 0.2% Construction- 0.0% Lightning- 43.2% Non-Company- 0.0% Other/Unknown- 6.1% Overload- 0.0% Planned Work- 0.5% Trees- 24.1% Utility Equipment- 26.0% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 23.25 10.) 2016 SAIDI 64.42 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.25 12.) 2016 SAIFI 0.62 13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	DANVILLE INDUSTRIAL
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Boyle - 1866 S Danville Bypass - Danville
3.) CIRCUIT NAME AND NUMBER	2117
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Danville - S Danville Bypass & Denmark Rd- SE of Substatio
5.) TOTAL CIRCUIT LENGTH (MILES)	4.5
6.) CUSTOMER COUNT FOR THIS CIRCUIT	205
7.) DATE OF LAST CIRCUIT TRIM (VM)	03/01/2011
8.) 2016 OUTAGES BY CAUSE	
Animal-	0.0%
Construction-	0.0%
Lightning-	57.5%
Non-Company-	0.1%
Other/Unknown-	42.4%
Overload-	0.0%
Planned Work-	0.0%
Trees-	0.0%
Utility Equipment-	0.0%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	36.41
10.) <b>2016 SAIDI</b>	105.22
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.35
12.) <b>2016 SAIFI</b>	0.97
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER	DANVILLE INDUSTRIAL		
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Boyle - 1866 S Danville Bypass - Danville		
3.) CIRCUIT NAME AND NUMBER	2118		
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Danville - Along Railroad Tracks - W of Substation		
5.) TOTAL CIRCUIT LENGTH (MILES)	1.2		
6.) CUSTOMER COUNT FOR THIS CIRCUIT	9		
7.) DATE OF LAST CIRCUIT TRIM (VM)	03/01/2011		
8.) 2016 OUTAGES BY CAUSE			
Animal-	0.0%		
Construction-	0.0%		
Lightning-	0.0%		
Non-Company-	0.0%		
Other/Unknown-	100.0%		
Overload-	0.0%		
Planned Work-	0.0%		
Trees-	0.0%		
Utility Equipment-	0.0%		
Vehicle-	0.0%		
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	16.98		
10.) <b>2016 SAIDI</b>	2.44		
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.07		
12.) <b>2016 SAIFI</b>	0.11		
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN			

1.) SUBSTATION NAME AND NUMBER DANVILLE NORTH 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Boyle - 514 N Danville Bypass - Danville 3.) CIRCUIT NAME AND NUMBER 2123 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Danville - Harrodsburg Rd, Maple Ave, Lexington Ave, & Springhill Rd - N & E of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 22.6 6.) CUSTOMER COUNT FOR THIS CIRCUIT 1,199 7.) DATE OF LAST CIRCUIT TRIM (VM) 08/02/2014 8.) 2016 OUTAGES BY CAUSE Animal- 0.9% Construction- 0.0% Lightning- 95.4% Non-Company- 0.0% Other/Unknown- 0.0% Overload- 0.0% Planned Work- 0.5% Trees- 3.0% Utility Equipment- 0.2% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 35.23 10.) 2016 SAIDI 109.24 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.36

1.05

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

Continue to Monitor

12.) 2016 SAIFI

1.) SUBSTATION NAME AND NUMBER	DANVILLE NORTH		
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Boyle - 514 N Danville Bypass - Danville			
3.) CIRCUIT NAME AND NUMBER	2124		
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Danville - Whirlaway Dr, War Admiral Dr, & Bluegrass Pike - W of Substation		
5.) TOTAL CIRCUIT LENGTH (MILES)	6.7		
6.) CUSTOMER COUNT FOR THIS CIRCUIT	409		
7.) DATE OF LAST CIRCUIT TRIM (VM)	06/01/2010		
8.) 2016 OUTAGES BY CAUSE			
Animal-	3.3%		
Construction-	0.0%		
Lightning- 0.0%			
Non-Company-	0.0%		
Other/Unknown-	0.0%		
Overload-	0.0%		
Planned Work-	0.1%		
Trees-	94.0%		
Utility Equipment-	2.5%		
Vehicle-	0.0%		
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	44.21		
10.) <b>2016 SAIDI</b>	59.43		
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.66		
12.) <b>2016 SAIFI</b>	0.94		
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN		

1.) SUBSTATION NAME AND NUMBER HARRODSBURG 2 12KV 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Mercer - 709 E Office St - Harrodsburg 3.) CIRCUIT NAME AND NUMBER 2131 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Harrodsburg - Lexington Rd, Burgin Rd, & City of Burgin - NE/SE of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 43.6 6.) CUSTOMER COUNT FOR THIS CIRCUIT 819 7.) DATE OF LAST CIRCUIT TRIM (VM) 09/13/2012 8.) 2016 OUTAGES BY CAUSE Animal- 1.4% Construction- 0.0% Lightning- 0.0% Non-Company- 0.0% Other/Unknown- 76.1% Overload- 0.0% Planned Work- 2.2% Trees- 5.0% Utility Equipment- 11.4% Vehicle- 3.9% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 76.78 10.) **2016 SAIDI** 105.63 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.30 12.) 2016 SAIFI 0.92 13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER	HARRODSBURG 3		
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Mercer - 1020 N College St - Harrodsburg			
3.) CIRCUIT NAME AND NUMBER	2133		
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Harrodsburg - N College St, Lynn Dr, & Cornishville St - S of Substation		
5.) TOTAL CIRCUIT LENGTH (MILES)	6.1		
6.) CUSTOMER COUNT FOR THIS CIRCUIT	490		
7.) DATE OF LAST CIRCUIT TRIM (VM)	09/13/2012		
8.) 2016 OUTAGES BY CAUSE			
Animal	- 11.7%		
Construction	- 0.0%		
Lightning	- 0.3%		
Non-Company- 0.0%			
Other/Unknown- 3.5%			
Overload	0.0%		
Planned Work-	6.8%		
Trees-	6.7%		
Utility Equipment-	50.7%		
Vehicle-	20.3%		
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	21.18		
10.) <b>2016 SAIDI</b>	36.83		
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.21		
12.) <b>2016 SAIFI</b>	0.34		
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN			

1.) SUBSTATION NAME AND NUMBER KENTUCKY STATE HOSPITAL 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Boyle - 4180 Shakertown Rd - Danville 3.) CIRCUIT NAME AND NUMBER 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Danville - Shakertown Rd, Gwinn Island Rd, & Spears Ln - S of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 17.5 6.) CUSTOMER COUNT FOR THIS CIRCUIT 320 7.) DATE OF LAST CIRCUIT TRIM (VM) 09/08/2008 8.) 2016 OUTAGES BY CAUSE Animal- 0.6% Construction- 4.6% Lightning- 61.6% Non-Company- 0.0% Other/Unknown- 0.0% Overload- 0.0% Planned Work- 5.5% Trees- 27.7% Utility Equipment- 0.0% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 87.10 10.) 2016 SAIDI 149.20 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.94

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

Continue to Monitor

12.) 2016 SAIFI

2.18

1.) SUBSTATION NAME AND NUMBER KENTUCKY STATE HOSPITAL 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Boyle - 4180 Shakertown Rd - Danville 3.) CIRCUIT NAME AND NUMBER 2138 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Danville - Shakertown Rd, Faulkner Ln, & Curdsville Rd - N of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 32.7 6.) CUSTOMER COUNT FOR THIS CIRCUIT 577 7.) DATE OF LAST CIRCUIT TRIM (VM) 09/08/2008 8.) 2016 OUTAGES BY CAUSE Animal- 3.2% Construction- 0.0% Lightning- 3.7% Non-Company- 0.1% Other/Unknown- 87.2% Overload- 0.0% Planned Work- 0.0% Trees- 0.1% Utility Equipment- 5.7% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 62.23 10.) 2016 SAIDI 71.22 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.76 12.) 2016 SAIFI 1.11 13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER LANCASTER 2 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Garrard - 183 Industry Rd - Lancaster 3.) CIRCUIT NAME AND NUMBER 2142 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Lancaster - Hwy 39, Stanford Rd, & Deer Run Rd - NW of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 6.) CUSTOMER COUNT FOR THIS CIRCUIT 329 7.) DATE OF LAST CIRCUIT TRIM (VM) 02/27/2013 8.) 2016 OUTAGES BY CAUSE Animal- 0.0% Construction- 0.0% Lightning- 19.0% Non-Company- 0.0% Other/Unknown- 5.6% Overload- 0.0% Planned Work- 31.9% Trees- 24.2% Utility Equipment- 19.2% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 8.69 10.) **2016 SAIDI** 7.26 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.11 12.) 2016 SAIFI 0.11

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

Continue to Monitor

1.)	SUBSTATION NAME AND NUMBER	LANCASTER 2
2.)	SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Garrard - 183 Industry Rd - Lancaster
3.)	CIRCUIT NAME AND NUMBER	2143
4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lancaster - Crab Orchard St & Richmond St - NE of Substation
5.)	TOTAL CIRCUIT LENGTH (MILES)	3.7
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	110
7.)	DATE OF LAST CIRCUIT TRIM (VM)	02/27/2013
8.)	2016 OUTAGES BY CAUSE	
	Animal-	0.0%
	Construction-	0.0%
	Lightning-	0.0%
	Non-Company-	0.0%
	Other/Unknown-	0.0%
	Overload-	0.0%
	Planned Work-	0.0%
	Trees-	0.0%
	Utility Equipment-	100.0%
	Vehicle-	0.0%
9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	3.18
10.)	2016 SAIDI	11.38
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.04
12.)	2016 SAIFI	0.11
13.)	LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER	MOUNT VERNON		
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Rockcastle - 56 Old Somerset Rd - Mt. Vernon			
3.) CIRCUIT NAME AND NUMBER	2144		
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Mt. Vernon - Hysinger Hollow Rd, W Main St, Williams St, Richmond St - ENE of Sub		
5.) TOTAL CIRCUIT LENGTH (MILES)	13.9		
6.) CUSTOMER COUNT FOR THIS CIRCUIT	736		
7.) DATE OF LAST CIRCUIT TRIM (VM)	06/18/2015		
8.) 2016 OUTAGES BY CAUSE			
Animal	4.2%		
Construction	0.0%		
Lightning-	0.0%		
Non-Company-	Non-Company- 0.0%		
Other/Unknown-	11.8%		
Overload-	0.0%		
Planned Work-	5.9%		
Trees-	61.5%		
Utility Equipment-	16.7%		
Vehicle-	0.0%		
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	21.96		
10.) <b>2016 SAIDI</b>	24.17		
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.18		
12.) <b>2016 SAIFI</b>	0.12		
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN			

SUBSTATION NAME AND NUMBER
 SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Rockcastle - 501 Flat Rock Rd - Mt. Vernon
 CIRCUIT NAME AND NUMBER
 CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Mt. Vernon - S Wilderness Rd, Main St (Livingston) - SE of Substation
 TOTAL CIRCUIT LENGTH (MILES)
 CUSTOMER COUNT FOR THIS CIRCUIT
 BATE OF LAST CIRCUIT TRIM (VM)
 12/16/2015

8.) 2016 OUTAGES BY CAUSE

Animal- 0.6%

Construction- 0.0%

Lightning- 0.4%

Non-Company- 1.0%

Other/Unknown- 52.6%

Overload- 0.0%

Planned Work- 0.2%

Trees- 0.4%

Utility Equipment- 0.0%

Vehicle- 44.9%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	368.86
10.) <b>2016 SAIDI</b>	401.50
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.54
12.) <b>2016 SAIFI</b>	1.91

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

1.) SUBSTATION NAME AND NUMBER PINE HILL 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Rockcastle - 501 Flat Rock Rd - Mt. Vernon 3.) CIRCUIT NAME AND NUMBER 2148 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Mt. Vernon - Mullins Station Rd, Skyline Rd, & Honeycomb Rd - NE of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 6.) CUSTOMER COUNT FOR THIS CIRCUIT 49 7.) DATE OF LAST CIRCUIT TRIM (VM) 07/01/2015 8.) 2016 OUTAGES BY CAUSE Animal- 47.1% Construction- 0.0% Lightning- 0.0% Non-Company- 0.0% Other/Unknown- 50.6% Overload- 0.0% Planned Work- 2.3% Trees- 0.0% Utility Equipment- 0.0% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 103.18 10.) **2016 SAIDI** 161.54

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

Continue to Monitor

12.) 2016 SAIFI

11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.71

1.21

1.) SUBSTATION NAME AND NUMBER	PINE HILL		
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Rockcastle - 501 Flat Rock Rd - Mt. Vernon		
3.) CIRCUIT NAME AND NUMBER	2149		
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Mt. Vernon - Wilderness Rd, Limestone - W of Substation		
5.) TOTAL CIRCUIT LENGTH (MILES)	8.1		
6.) CUSTOMER COUNT FOR THIS CIRCUIT	76		
7.) DATE OF LAST CIRCUIT TRIM (VM)	05/01/2015		
8.) 2016 OUTAGES BY CAUSE			
Animal	0.0%		
Construction	0.0%		
Lightning	15.4%		
Non-Company-	0.0%		
Other/Unknown-	0.0%		
Overload	0.0%		
Planned Work-	8.3%		
Trees-	76.3%		
Utility Equipment-	0.0%		
Vehicle-	0.0%		
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	175.72		
10.) <b>2016 SAIDI</b>	185.79		
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.86		
12.) <b>2016 SAIFI</b>	0.99		
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN			

2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Mercer - 3499 Lexington Rd - Harrodsburg 3.) CIRCUIT NAME AND NUMBER 2152 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Harrodsburg - Lexington Rd & Sexton Rd - SW of the Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 6.) CUSTOMER COUNT FOR THIS CIRCUIT 73 7.) DATE OF LAST CIRCUIT TRIM (VM) 11/26/2012 8.) 2016 OUTAGES BY CAUSE Animal- 39.1% Construction- 0.0% Lightning- 55.7% Non-Company- 0.0% Other/Unknown- 1.5% Overload- 0.0% Planned Work- 3.8% Trees- 0.0%

SHAKERTOWN

9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)		80.58
10.)	2016 SAIDI		176.82
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.00
12.)	2016 SAIFI		1.58

Utility Equipment- 0.0%

Vehicle- 0.0%

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER

1.) SUBSTATION NAME AND NUMBER	RICHMOND 3 4KV	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Madison - 950 Vickers Dr - Richmond	
3.) CIRCUIT NAME AND NUMBER	2161	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Richmond - Eastern Byp, Boggs Ln, & Opal Dr - E of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	4.6	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	179	
7.) DATE OF LAST CIRCUIT TRIM (VM)	05/03/2014	
8.) 2016 OUTAGES BY CAUSE		
Animal- 0.0%		
Construction-	0.0%	
Lightning-	0.0%	
Non-Company-	0.0%	
Other/Unknown-	0.0%	
Overload-	0.0%	
Planned Work-	100.0%	
Trees-	0.0%	
Utility Equipment-	0.0%	
Vehicle-	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	13.39	
10.) <b>2016 SAIDI</b>	18.24	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.25	
12.) <b>2016 SAIFI</b>	0.12	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1.) SUBSTATION NAME AND NUMBER	BARTON	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Nelson - 500 Cathedral Manor - Bardstown		
3.) CIRCUIT NAME AND NUMBER	2202	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Bardstown - New Haven Rd - W/N/S of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	1.2	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	6	
7.) DATE OF LAST CIRCUIT TRIM (VM)	07/25/2014	
8.) 2016 OUTAGES BY CAUSE		
Animal- 0.0%		
Construction-	0.0%	
Lightning- 0.0%		
Non-Company-	0.0%	
Other/Unknown-	0.0%	
Overload-	0.0%	
Planned Work-	100.0%	
Trees-	0.0%	
Utility Equipment-	0.0%	
Vehicle-	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	7.79	
10.) <b>2016 SAIDI</b>	27.57	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.07	
12.) <b>2016 SAIFI</b>	0.14	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

	1.)	SUBSTATION NAME AND NUMBER	COLUMBIA SOUTH
	2.)	SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Adair - 1139 Gaston Ave - Columbia
	3.)	CIRCUIT NAME AND NUMBER	2208
	4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Columbia - KY 80, Jamestown Rd, & Wright Dr - N of Substation
	5.)	TOTAL CIRCUIT LENGTH (MILES)	3.9
	6.)	CUSTOMER COUNT FOR THIS CIRCUIT	329
	7.)	DATE OF LAST CIRCUIT TRIM (VM)	03/15/2014
	8.)	2016 OUTAGES BY CAUSE	
		Animal-	0.1%
		Construction-	0.0%
		Lightning-	0.1%
		Non-Company-	0.0%
		Other/Unknown-	34.2%
		Overload-	0.0%
		Planned Work-	0.0%
		Trees-	65.2%
		Utility Equipment-	0.3%
		Vehicle-	0.0%
	9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	35.88
1	10.)	2016 SAIDI	154.90
1	11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.30
1	12.)	2016 SAIFI	1.15

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

1.) SUBSTATION NAME AND NUMBER COLUMBIA SOUTH 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Adair - 1139 Gaston Ave - Columbia 3.) CIRCUIT NAME AND NUMBER 2209 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Columbia - KY 55, Tutt St, Bomar Hts, Hwy 61/80, & Greensburg St - NW & S of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 6.) CUSTOMER COUNT FOR THIS CIRCUIT 866 7.) DATE OF LAST CIRCUIT TRIM (VM) 03/15/2014 8.) 2016 OUTAGES BY CAUSE Animal- 0.7% Construction- 0.0% Lightning- 0.0% Non-Company- 0.0% Other/Unknown- 7.3% Overload- 0.0% Planned Work- 0.4% Trees- 5.6% Utility Equipment- 86.1% Vehicle- 0.0%

9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	25.21
10.)	2016 SAIDI	84.56
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.19
12.)	2016 SAIFI	0.53

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

1.) SUBSTATION NAME AND NUMBER	COLUMBIA
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Adair - 114 Lindsey Wilson St - Columbia
3.) CIRCUIT NAME AND NUMBER	2211
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Columbia - Burkesville Rd & Greensburg St - W of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	4.4
6.) CUSTOMER COUNT FOR THIS CIRCUIT	459
7.) DATE OF LAST CIRCUIT TRIM (VM)	05/03/2014
8.) 2016 OUTAGES BY CAUSE	
Animal	- 0.7%
Construction	0.0%
Lightning-	0.4%
Non-Company-	0.0%
Other/Unknown-	0.3%
Overload	0.0%
Planned Work-	2.2%
Trees-	96.1%
Utility Equipment-	0.2%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	47.68
10.) <b>2016 SAIDI</b>	203.69
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.31
12.) <b>2016 SAIFI</b>	1.25
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER	GREENSBURG
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	<b>S</b> Green - 424 Old Hodgenville Rd - Greensburg
3.) CIRCUIT NAME AND NUMBER	2213
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Greensburg - US 68, Cemetery Rd, Valley Dr, & E Columbia Ave - SE of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	11.0
6.) CUSTOMER COUNT FOR THIS CIRCUIT	491
7.) DATE OF LAST CIRCUIT TRIM (VM)	06/07/2014
8.) 2016 OUTAGES BY CAUSE	
Animal	1.5%
Construction	0.0%
Lightning-	3.5%
Non-Company-	0.0%
Other/Unknown-	0.0%
Overload	0.0%
Planned Work-	1.3%
Trees-	33.2%
Utility Equipment-	60.5%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	23.72
10.) <b>2016 SAIDI</b>	39.37
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.23
12.) <b>2016 SAIFI</b>	0.21
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER	LEBANON
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Marion - 351 E Water St - Lebanon
3.) CIRCUIT NAME AND NUMBER	2216
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lebanon - MLK Ave, Spalding Ave, Walnut St, & W Main St - SW of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	6.2
6.) CUSTOMER COUNT FOR THIS CIRCUIT	633
7.) DATE OF LAST CIRCUIT TRIM (VM)	01/19/2015
8.) 2016 OUTAGES BY CAUSE	
Animal	0.6%
Construction-	0.0%
Lightning-	0.0%
Non-Company-	0.0%
Other/Unknown-	0.0%
Overload	0.0%
Planned Work-	2.3%
Trees-	82.8%
Utility Equipment-	14.2%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	17.34
10.) <b>2016 SAIDI</b>	18.32
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.30
12.) <b>2016 SAIFI</b>	0.15
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER LEBANON 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Marion - 351 E Water St - Lebanon 3.) CIRCUIT NAME AND NUMBER 2217 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Lebanon - Woodlawn Ave, Hood Ave, & Danville Hwy - E of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 5.5 6.) CUSTOMER COUNT FOR THIS CIRCUIT 333 7.) DATE OF LAST CIRCUIT TRIM (VM) 01/19/2015 8.) 2016 OUTAGES BY CAUSE Animal- 0.0% Construction- 0.3% Lightning- 35.8% Non-Company- 0.0% Other/Unknown- 0.1% Overload- 0.0% Planned Work- 6.4% Trees- 0.0% Utility Equipment- 57.4% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 74.57 10.) 2016 SAIDI 150.56 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.62 12.) 2016 SAIFI 0.90

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER LEBANON SOUTH 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Marion - 1157 Bradfordsville - Bradfordsville 3.) CIRCUIT NAME AND NUMBER 2218 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Bradfordsville - Bradfordsville Rd, Hwy 49, & Central Ave - SE of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 29.4 6.) CUSTOMER COUNT FOR THIS CIRCUIT 386 7.) DATE OF LAST CIRCUIT TRIM (VM) 02/10/2015 8.) 2016 OUTAGES BY CAUSE Animal- 0.2% Construction- 0.0% Lightning- 0.4% Non-Company- 0.0% Other/Unknown- 32.2% Overload- 0.0% Planned Work- 1.0% Trees- 65.9% Utility Equipment- 0.4% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 125.20 10.) 2016 SAIDI 255.84 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.68 12.) 2016 SAIFI 1.73

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

1.) SUBSTATION NAME AND NUMBER	RUSSELL SPRINGS
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Russell - 1183 HWY 1870 - Russell Springs
3.) CIRCUIT NAME AND NUMBER	2221
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Russell Springs - Old Columbia Rd & Providence Rd - W of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	12.4
6.) CUSTOMER COUNT FOR THIS CIRCUIT	138
7.) DATE OF LAST CIRCUIT TRIM (VM)	01/11/2014
8.) 2016 OUTAGES BY CAUSE	
Animal	0.0%
Construction	0.0%
Lightning	94.9%
Non-Company-	0.0%
Other/Unknown-	0.0%
Overload	0.0%
Planned Work-	0.0%
Trees-	0.0%
Utility Equipment-	5.1%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	14.80
10.) <b>2016 SAIDI</b>	18.45
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.13
12.) <b>2016 SAIFI</b>	0.13

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

1.) SUBSTATION NAME AND NUMBER RUSSELL SPRINGS 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Russell - 1183 HWY 1870 - Russell Springs 3.) CIRCUIT NAME AND NUMBER 2222 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Russell Springs - Old Columbia Rd, KY 80, Lakeway Dr, & Maple St - E of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 19.4 6.) CUSTOMER COUNT FOR THIS CIRCUIT 981 7.) DATE OF LAST CIRCUIT TRIM (VM) 01/11/2014 8.) 2016 OUTAGES BY CAUSE Animal- 0.3% Construction- 1.5% Lightning- 11.8% Non-Company- 0.0% Other/Unknown- 5.8% Overload- 0.0% Planned Work- 6.7% Trees- 0.9% Utility Equipment- 5.1% Vehicle- 67.9% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 20.95 10.) 2016 SAIDI 23.43 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.26 12.) 2016 SAIFI 0.61 13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER **RUSSELL SPRINGS** 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Russell - 1183 HWY 1870 - Russell Springs 3.) CIRCUIT NAME AND NUMBER 2223 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Russell Springs - Gran Von Hale Ave, Lakeway Dr, & US 127 - SE of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 14.9 6.) CUSTOMER COUNT FOR THIS CIRCUIT 454 7.) DATE OF LAST CIRCUIT TRIM (VM) 01/11/2014 8.) 2016 OUTAGES BY CAUSE Animal- 0.0% Construction- 0.0% Lightning- 2.9% Non-Company- 0.0% Other/Unknown- 83.1% Overload- 0.0% Planned Work- 0.0% Trees- 10.3% Utility Equipment- 3.6% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 56.46 10.) 2016 SAIDI 187.68 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.54 12.) 2016 SAIFI 1.39

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

1.) SUBSTATION NAME AND NUMBER	RED HOUSE
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Madison - 3858 Boonesboro Rd - Richmond
3.) CIRCUIT NAME AND NUMBER	2224
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Richmond - Hwy 627, Simpson Ln, Hwy 25, & Hwy 2328 - W & NW of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	34.5
6.) CUSTOMER COUNT FOR THIS CIRCUIT	560
7.) DATE OF LAST CIRCUIT TRIM (VM)	12/15/2015
8.) 2016 OUTAGES BY CAUSE	
Animal-	61.4%
Construction-	0.4%
Lightning-	0.2%
Non-Company-	0.0%
Other/Unknown-	34.1%
Overload-	0.0%
Planned Work-	1.4%
Trees-	0.4%
Utility Equipment-	2.2%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	111.56
10.) <b>2016 SAIDI</b>	121.36
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.18
12.) <b>2016 SAIFI</b>	2.09

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

Continue to Monitor

	1.)	SUBSTATION NAME AND NUMBER	SPRINGFIELD
	2.)	SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Washinton - 107 Commercial Ave - Springfield
	3.)	CIRCUIT NAME AND NUMBER	2227
	4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Springfield - Main St - SE of Substation
	5.)	TOTAL CIRCUIT LENGTH (MILES)	5.6
	6.)	CUSTOMER COUNT FOR THIS CIRCUIT	618
	7.)	DATE OF LAST CIRCUIT TRIM (VM)	08/21/2014
	8.)	2016 OUTAGES BY CAUSE	
		Animal-	0.0%
		Construction-	0.0%
		Lightning-	0.0%
		Non-Company-	0.0%
		Other/Unknown-	0.0%
		Overload-	0.0%
		Planned Work-	81.2%
		Trees-	0.0%
		Utility Equipment-	18.8%
		Vehicle-	0.0%
	9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	7.04
10	0.)	2016 SAIDI	12.20
1:	1.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.27
12	2.)	2016 SAIFI	1.04
13	3.)	LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER UNION UNDERWEAR 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Russell - 101 Fruit Of The Loom Dr - Jamestown 3.) CIRCUIT NAME AND NUMBER 2228 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Jamestown - City of Jamestown - SSE of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 26.2 6.) CUSTOMER COUNT FOR THIS CIRCUIT 938 7.) DATE OF LAST CIRCUIT TRIM (VM) 11/01/2013 8.) 2016 OUTAGES BY CAUSE Animal- 0.0% Construction- 0.0% Lightning- 0.0% Non-Company- 0.0% Other/Unknown- 0.5% Overload- 2.6% Planned Work- 0.1% Trees- 88.5% Utility Equipment- 8.1% Vehicle- 0.2% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 163.80 10.) 2016 SAIDI 758.50 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.68 12.) 2016 SAIFI

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

Continue to Monitor

2.91

1.) SUBSTATION NAME AND NUMBER UNION UNDERWEAR 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Russell - 101 Fruit Of The Loom Dr - Jamestown 3.) CIRCUIT NAME AND NUMBER 2229 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Jamestown - N Main St & Progress Dr - N & S of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 14.4 6.) CUSTOMER COUNT FOR THIS CIRCUIT 364 7.) DATE OF LAST CIRCUIT TRIM (VM) 12/07/2013 8.) 2016 OUTAGES BY CAUSE Animal- 0.0% Construction- 0.0% Lightning- 0.0% Non-Company- 0.0% Other/Unknown- 10.6% Overload- 0.0% Planned Work- 0.2% Trees- 12.7% Utility Equipment- 14.7% Vehicle- 61.7% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 48.44 10.) 2016 SAIDI 189.28 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.42 12.) 2016 SAIFI 1.63 13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER	WOODLAWN
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Nelson – 285 Spencer Mattingly Ln. – Bardstown
3.) CIRCUIT NAME AND NUMBER	2231
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Bardstown - Poplar Flat Rd, Ashleigh Way, Ed Piler Rd, & Old US 150 - SE of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	49.3
6.) CUSTOMER COUNT FOR THIS CIRCUIT	1,065
7.) DATE OF LAST CIRCUIT TRIM (VM)	05/17/2013
8.) 2016 OUTAGES BY CAUSE	
Animal-	1.6%
Construction-	0.4%
Lightning-	0.7%
Non-Company-	0.0%
Other/Unknown-	1.3%
Overload-	0.0%
Planned Work-	4.5%
Trees-	19.2%
Utility Equipment-	53.4%
Vehicle-	19.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	27.14
10.) <b>2016 SAIDI</b>	41.79
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.16
12.) <b>2016 SAIFI</b>	0.25
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER **ESTILL STONE CO** 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Estill - 598 Tipton Ridge Rd - Ravenna 3.) CIRCUIT NAME AND NUMBER 2302 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Ravenna - Tipton Ridge Rd - S of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 0.4 6.) CUSTOMER COUNT FOR THIS CIRCUIT 7.) DATE OF LAST CIRCUIT TRIM (VM) 05/01/2012 8.) 2016 OUTAGES BY CAUSE Animal- 0.0% Construction- 0.0% Lightning- 0.0% Non-Company- 0.0% Other/Unknown- 0.0% Overload- 0.0% Planned Work- 100.0% Trees- 0.0% Utility Equipment- 0.0%

9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	58.40
10.)	2016 SAIDI	275.00
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.25
12.)	2016 SAIFI	1.00

Vehicle- 0.0%

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

1.)	SUBSTATION NAME AND NUMBER	IRVINE
2.)	SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Estill - 83 River Dr - Irvine
3.)	CIRCUIT NAME AND NUMBER	2303
4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Irvine - River Dr, Broadway Ave, & KY 89 - NW of Substatio
5.)	TOTAL CIRCUIT LENGTH (MILES)	11.3
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	911
7.)	DATE OF LAST CIRCUIT TRIM (VM)	01/15/2015
8.)	2016 OUTAGES BY CAUSE	
	Animal-	0.1%
	Construction-	0.0%
	Lightning-	0.0%
	Non-Company-	0.0%
	Other/Unknown-	0.0%
	Overload-	0.0%
	Planned Work-	8.4%
	Trees-	0.2%
	Utility Equipment-	91.4%
	Vehicle-	0.0%
9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	90.88
10.)	2016 SAIDI	173.96
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.80
12.)	2016 SAIFI	1.14
13.)	LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO RE TAKEN

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

1.) SUBSTATION NAME AND NUMBER	IRVINE	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Estill - 83 River Dr - Irvine	
3.) CIRCUIT NAME AND NUMBER	2305	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Irvine - Kirkland Ave - SE of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	3.7	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	85	
7.) DATE OF LAST CIRCUIT TRIM (VM)	01/15/2013	
8.) 2016 OUTAGES BY CAUSE		
Animal-	0.0%	
Construction-	0.0%	
Lightning-	0.2%	
Non-Company-	91.9%	
Other/Unknown-	0.0%	
Overload-	0.0%	
Planned Work-	0.2%	
Trees-	7.7%	
Utility Equipment-	0.0%	
Vehicle-	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	84.33	
10.) <b>2016 SAIDI</b>	229.42	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.50	
12.) <b>2016 SAIFI</b>	1.13	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1.) SUBSTATION NAME AND NUMBER	RED HOUSE	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	<b>N</b> Madison - 3858 Boonesboro Rd - Richmond	
3.) CIRCUIT NAME AND NUMBER	3.) CIRCUIT NAME AND NUMBER 2311	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)  Richmond - Lost Fork Rd, Red House Rd, & Boonesboro Rd - S of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	9.5	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	101	
7.) DATE OF LAST CIRCUIT TRIM (VM)	02/01/2014	
8.) 2016 OUTAGES BY CAUSE		
Animal- 2.3%		
Construction- 0.0%		
Lightning- 0.0%		
Non-Company- 0.0%		
Other/Unknown- 18.1%		
Overload- 0.0%		
Planned Work- 78.3%		
Trees- 0.0%		
Utility Equipment-	1.2%	
Vehicle-	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	44.71	
10.) <b>2016 SAIDI</b>	60.77	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.52	
12.) <b>2016 SAIFI</b>	0.31	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1.) SUBSTATION NAME AND NUMBER RED HOUSE 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Madison - 3858 Boonesboro Rd - Richmond 3.) CIRCUIT NAME AND NUMBER 2312 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Richmond - HWY 627, Simpson Ln, & Lexington Rd - SW of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 46.6 6.) CUSTOMER COUNT FOR THIS CIRCUIT 1,079 7.) DATE OF LAST CIRCUIT TRIM (VM) 02/02/2013 8.) 2016 OUTAGES BY CAUSE Animal- 1.9% Construction- 0.0% Lightning- 1.2% Non-Company- 0.0% Other/Unknown- 0.5% Overload- 0.0% Planned Work- 8.1% Trees- 55.5% Utility Equipment- 1.3% Vehicle- 31.6% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 62.34 10.) 2016 SAIDI 41.79 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.58 12.) 2016 SAIFI 0.72

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

Tree Trim Scheduled for 2017

1.) SUBSTATION NAME AND NUMBER	2000
	RICHMOND EAST
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Madison - 1799 Irvine Rd - Richmond
3.) CIRCUIT NAME AND NUMBER	2318
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Richmond - E Irvine St, Bluegrass Dr, &E Main St - W of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	5.8
6.) CUSTOMER COUNT FOR THIS CIRCUIT	751
7.) DATE OF LAST CIRCUIT TRIM (VM)	10/11/2013
8.) 2016 OUTAGES BY CAUSE	
Animal-	0.4%
Construction	0.0%
Lightning-	48.3%
Non-Company-	0.0%
Other/Unknown-	0.0%
Overload	0.0%
Planned Work-	0.1%
Trees-	0.8%
Utility Equipment-	7.0%
Vehicle-	43.5%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	9.27
10.) <b>2016 SAIDI</b>	42.78
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.12
12.) <b>2016 SAIFI</b>	0.56
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	

1.) SUBSTATION NAME AND NUMBER RICHMOND EAST 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Madison - 1799 Irvine Rd - Richmond 3.) CIRCUIT NAME AND NUMBER 2320 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Richmond - DR Martin BYP, Commercial Dr, & Berea Rd - SE of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 17.2 6.) CUSTOMER COUNT FOR THIS CIRCUIT 1,242 7.) DATE OF LAST CIRCUIT TRIM (VM) 06/22/2013 8.) 2016 OUTAGES BY CAUSE Animal- 1.1% Construction- 0.4% Lightning- 0.0% Non-Company- 0.0% Other/Unknown- 74.7% Overload- 0.0% Planned Work- 23.8% Trees- 0.0% Utility Equipment- 0.0% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 19.10 10.) **2016 SAIDI** 27.47 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.22 12.) 2016 SAIFI 0.34

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

1.) SUBSTATION NAME AND NUMBER	RICHMOND SOUTH
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Madison - 464 Eastern Bypass - Richmond
3.) CIRCUIT NAME AND NUMBER	2323
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Richmond - S Killarney Dr, Barnes Mill Rd, & Martin Dr - NW of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	5.4
6.) CUSTOMER COUNT FOR THIS CIRCUIT	660
7.) DATE OF LAST CIRCUIT TRIM (VM)	08/15/2014
8.) 2016 OUTAGES BY CAUSE	
Animal	3.6%
Construction-	0.0%
Lightning-	46.5%
Non-Company-	0.0%
Other/Unknown-	2.9%
Overload-	0.0%
Planned Work-	12.0%
Trees-	0.0%
Utility Equipment-	35.0%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	21.12
10.) <b>2016 SAIDI</b>	25.25
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.20
12.) <b>2016 SAIFI</b>	0.29
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER RICHMOND 1 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Madison - 315 Clay Dr - Richmond 3.) CIRCUIT NAME AND NUMBER 2325 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Richmond - US 25, Keeneland Dr, & Jacks Creek Rd - NW of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 26.6 6.) CUSTOMER COUNT FOR THIS CIRCUIT 2,255 7.) DATE OF LAST CIRCUIT TRIM (VM) 02/28/2014 8.) 2016 OUTAGES BY CAUSE Animal- 0.4% Construction- 0.1% Lightning- 5.6% Non-Company- 0.0% Other/Unknown- 80.9% Overload- 0.0% Planned Work- 10.5% Trees- 0.0% Utility Equipment- 2.5% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 36.16 10.) **2016 SAIDI** 49.59 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.32 12.) 2016 SAIFI 0.36 13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER	RICHMOND 1
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Madison - 315 Clay Dr - Richmond
3.) CIRCUIT NAME AND NUMBER	2327
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Richmond - Moberly Ave, 5th, 4th, 3rd, 2nd, 1st St, & Irvine St - SE of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	5.6
6.) CUSTOMER COUNT FOR THIS CIRCUIT	932
7.) DATE OF LAST CIRCUIT TRIM (VM)	03/31/2014
8.) 2016 OUTAGES BY CAUSE	
Animal-	6.5%
Construction-	0.0%
Lightning-	28.9%
Non-Company-	0.0%
Other/Unknown-	29.0%
Overload-	0.0%
Planned Work-	35.1%
Trees-	0.0%
Utility Equipment-	0.5%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	21.41
10.) <b>2016 SAIDI</b>	41.72
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.21
12.) <b>2016 SAIFI</b>	0.47
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER	RICHMOND 1
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Madison - 315 Clay Dr - Richmond
3.) CIRCUIT NAME AND NUMBER	2328
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Richmond - Georgia St, N 2nd St, & Golfview Dr - E of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	7.3
6.) CUSTOMER COUNT FOR THIS CIRCUIT	750
7.) DATE OF LAST CIRCUIT TRIM (VM)	03/01/2014
8.) 2016 OUTAGES BY CAUSE	
Animal	0.0%
Construction	0.1%
Lightning	93.2%
Non-Company-	0.6%
Other/Unknown-	3.9%
Overload-	0.0%
Planned Work-	2.2%
Trees-	0.0%
Utility Equipment-	0.0%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	58.21
10.) <b>2016 SAIDI</b>	134.28
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.53
12.) <b>2016 SAIFI</b>	1.12
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	

1.) SUBSTATION NAME AND NUMBER RICHMOND 1 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Madison - 315 Clay Dr - Richmond 3.) CIRCUIT NAME AND NUMBER 2329 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Richmond - Sunset Ave, Barnes Mill Rd, & Kirksville Rd - SW of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 6.) CUSTOMER COUNT FOR THIS CIRCUIT 1,429 7.) DATE OF LAST CIRCUIT TRIM (VM) 02/01/2014 8.) 2016 OUTAGES BY CAUSE Animal- 1.4% Construction- 0.3% Lightning- 1.6% Non-Company- 0.0% Other/Unknown- 0.8% Overload- 0.0% Planned Work- 0.3% Trees- 0.1% Utility Equipment- 26.8% Vehicle- 68.7%

9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	118.36
10.)	2016 SAIDI	42.23
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.98
12.)	2016 SAIFI	1.21

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

1.) SUBSTATION NAME AND NUMBER **BONNIEVILLE** 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Hart - 8074 N Dixie Hwy - Bonnieville 3.) CIRCUIT NAME AND NUMBER 2400 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Bonnieville - US 31, Olive Ave, & Waldeck Rd - N & S of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 8.3 6.) CUSTOMER COUNT FOR THIS CIRCUIT 227 7.) DATE OF LAST CIRCUIT TRIM (VM) 12/01/2012 8.) 2016 OUTAGES BY CAUSE Animal- 0.3% Construction- 0.0% Lightning- 34.0% Non-Company- 0.0% Other/Unknown- 30.2% Overload- 0.0% Planned Work- 5.3% Trees- 30.0% Utility Equipment- 0.0% Vehicle- 0.2% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 93.06 10.) 2016 SAIDI 264.21 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.01 12.) 2016 SAIFI 4.14

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

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	EASTVIEW	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Hardin - 12540 Sonora - Hardin Springs	
3.) CIRCUIT NAME AND NUMBER	2406	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Sonora - Hwy 62, KY 1375, & Church Ln - NE of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	23.5	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	371	
7.) DATE OF LAST CIRCUIT TRIM (VM)	04/02/2015	
8.) 2016 OUTAGES BY CAUSE		
Animal-	0.1%	
Construction-	0.2%	
Lightning- 0.1%		
Non-Company-	0.1%	
Other/Unknown-	4.8%	
Overload	0.0%	
Planned Work-	6.1%	
Trees-	88.2%	
Utility Equipment-	0.3%	
Vehicle-	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	84.51	
10.) <b>2016 SAIDI</b>	202.94	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.79	
12.) <b>2016 SAIFI</b>	1.46	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1.	SUBSTATION NAME AND NUMBER	EASTVIEW
2.	SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Hardin - 12540 Sonora - Hardin Springs
3.	CIRCUIT NAME AND NUMBER	2407
4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Sonora - KY 84, Main St, & White Mills Rd - SE of Substation
5.)	TOTAL CIRCUIT LENGTH (MILES)	14.1
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	269
7.)	DATE OF LAST CIRCUIT TRIM (VM)	05/09/2015
8.)	2016 OUTAGES BY CAUSE	
	Animal-	0.0%
	Construction-	0.0%
	Lightning-	2.7%
	Non-Company-	0.0%
	Other/Unknown-	0.0%
	Overload-	1.7%
	Planned Work-	60.3%
	Trees-	35.3%
	Utility Equipment-	0.0%
	Vehicle-	0.0%
9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	24.34
10.)	2016 SAIDI	27.22
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.23
12.)	2016 SAIFI	0.18
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

EASTVIEW	
<b>N</b> Hardin - 12540 Sonora - Hardin Springs	
2408	
Sonora - W Main St, Skees St, & St. Paul Rd - SW of Substation	
39.0	
610	
06/27/2015	
- 0.1%	
- 0.1%	
- 0.4%	
- 0.0%	
- 12.5%	
0.0%	
6.5%	
79.8%	
0.5%	
0.0%	
63.75	
55.74	
0.73	
1.26	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	

1.) SUBSTATION NAME AND NUMBER **ELIZABETHTOWN 2** 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Hardin - 1011 Woodland Dr - Elizabethtown 3.) CIRCUIT NAME AND NUMBER 2410 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Elizabethtown - Dixie Hwy, Grays Rd, & Diecks Dr - E & NW of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 15.2 6.) CUSTOMER COUNT FOR THIS CIRCUIT 1,372 7.) DATE OF LAST CIRCUIT TRIM (VM) 06/11/2011 8.) 2016 OUTAGES BY CAUSE Animal- 0.3% Construction- 0.1% Lightning- 31.4% Non-Company- 0.0% Other/Unknown- 2.4% Overload- 0.0% Planned Work- 0.3% Trees- 27.2% Utility Equipment- 38.3% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 54.69 10.) 2016 SAIDI 108.52 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.76

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

Continue to Monitor

12.) 2016 SAIFI

1.32

1.) SUBSTATION NAME AND NUMBER **ELIZABETHTOWN 2** 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Hardin - 1011 Woodland Dr - Elizabethtown 3.) CIRCUIT NAME AND NUMBER 2414 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Elizabethtown - Woodland Dr, Ring Rd, & N Dixie HWY - N of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 17.4 6.) CUSTOMER COUNT FOR THIS CIRCUIT 1,329 7.) DATE OF LAST CIRCUIT TRIM (VM) 09/03/2011 8.) 2016 OUTAGES BY CAUSE Animal- 4.3% Construction- 0.5% Lightning- 3.0% Non-Company- 0.0% Other/Unknown- 4.6% Overload- 0.0% Planned Work- 1.2% Trees- 0.0% Utility Equipment- 82.4% Vehicle- 4.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 24.76 10.) 2016 SAIDI 61.51 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.37 12.) 2016 SAIFI 0.50 13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER **ELIZABETHTOWN 2** 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Hardin - 1011 Woodland Dr - Elizabethtown 3.) CIRCUIT NAME AND NUMBER 2415 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Elizabethtown - Woodland Dr, Saint John Rd, & Westport Rd - S of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 8.4 6.) CUSTOMER COUNT FOR THIS CIRCUIT 556 7.) DATE OF LAST CIRCUIT TRIM (VM) 09/03/2011 8.) 2016 OUTAGES BY CAUSE Animal- 93.8% Construction- 0.5% Lightning- 0.0% Non-Company- 0.0% Other/Unknown- 0.0% Overload- 0.0% Planned Work- 4.1% Trees- 1.5% Utility Equipment- 0.0% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 81.01 10.) 2016 SAIDI 41.12 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.70 12.) 2016 SAIFI 1.14 13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER	ELIZABETHTOWN 4
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Hardin - 201 Sportsman Lake Rd - Elizabethtown
3.) CIRCUIT NAME AND NUMBER	2417
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Elizabethtown - Hodgenville Rd - NE of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	0.4
6.) CUSTOMER COUNT FOR THIS CIRCUIT	8
7.) DATE OF LAST CIRCUIT TRIM (VM)	10/24/2015
8.) 2016 OUTAGES BY CAUSE	
Animal-	0.0%
Construction-	0.0%
Lightning-	0.0%
Non-Company-	0.0%
Other/Unknown-	0.0%
Overload-	0.0%
Planned Work-	0.0%
Trees-	0.0%
Utility Equipment-	0.0%
Vehicle-	100.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	48.13
10.) <b>2016 SAIDI</b>	97.50
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.38
12.) <b>2016 SAIFI</b>	0.75
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	

1.) SUBSTATION NAME AND NUMBER **ELIZABETHTOWN 5** 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Hardin - 800 N Mulberry St - Elizabethtown 3.) CIRCUIT NAME AND NUMBER 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Elizabethtown - KY 61/62, Navaho Dr, & Ring Rd - NE of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 5.7 6.) CUSTOMER COUNT FOR THIS CIRCUIT 362 7.) DATE OF LAST CIRCUIT TRIM (VM) 07/31/2010 8.) 2016 OUTAGES BY CAUSE Animal- 0.0% Construction- 0.0% Lightning- 73.4% Non-Company- 0.0% Other/Unknown- 0.4% Overload- 0.0% Planned Work- 4.1% Trees- 11.8% Utility Equipment- 10.3% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 60.62 10.) 2016 SAIDI 86.44 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.84 12.) 2016 SAIFI 1.29 13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	ELIZABETHTOWN 5	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Hardin - 800 N Mulberry St - Elizabethtown		
3.) CIRCUIT NAME AND NUMBER	2424	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Elizabethtown - Joan Ave, McCullum Ave, & Bellwood Dr - NW of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	6.4	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	572	
7.) DATE OF LAST CIRCUIT TRIM (VM)	10/23/2010	
8.) 2016 OUTAGES BY CAUSE		
Animal-	1.9%	
Construction-	0.0%	
Lightning-	0.0%	
Non-Company-	2.8%	
Other/Unknown-	10.1%	
Overload	0.3%	
Planned Work-	66.0%	
Trees-	8.3%	
Utility Equipment-	10.5%	
Vehicle-	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	36.14	
10.) <b>2016 SAIDI</b>	61.95	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.33	
12.) <b>2016 SAIFI</b>	0.62	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1.) SUBSTATION NAME AND NUMBER	GATES RUBBER 2.4KV
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOW	/N Hardin - 300 College Street Rd - Elizabethtown
3.) CIRCUIT NAME AND NUMBER	2425
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Elizabethtown - College Street Rd - E of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	0.6
6.) CUSTOMER COUNT FOR THIS CIRCUIT	3
7.) DATE OF LAST CIRCUIT TRIM (VM)	10/11/2010
8.) 2016 OUTAGES BY CAUSE	
Anima	al- 0.0%
Construction	n- 0.0%
Lightnin	g- 0.0%
Non-Compan	<b>y</b> - 0.0%
Other/Unknown	n- 100.0%
Overload	d- 0.0%
Planned Worl	<b>(-</b> 0.0%
Tree	S- 0.0%
Utility Equipmen	t- 0.0%
Vehicle	2- 0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	8.20
10.) <b>2016 SAIDI</b>	21.00
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.15
12.) <b>2016 SAIFI</b>	0.33
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN O	R TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER HORSE CAVE 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Hart - 501 Shewey Ave - Horse Cave 3.) CIRCUIT NAME AND NUMBER 2432 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Horse Cave - Maple St, US 31 W, 3rd Street & Owen Street - SW of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 16.9 6.) CUSTOMER COUNT FOR THIS CIRCUIT 718 7.) DATE OF LAST CIRCUIT TRIM (VM) 05/31/2013 8.) 2016 OUTAGES BY CAUSE Animal- 1.9% Construction- 0.1% Lightning- 0.6% Non-Company- 0.0% Other/Unknown- 0.1% Overload- 0.0% Planned Work- 1.4% Trees- 51.1% Utility Equipment- 44.7%

9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	88.18
10.)	2016 SAIDI	190.05
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.95
12.)	2016 SAIFI	1.46

Vehicle- 0.0%

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

Tree Trim Scheduled for 2017

1.) SUBSTATION NAME AND NUMBER HORSE CAVE 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Hart - 501 Shewey Ave - Horse Cave 3.) CIRCUIT NAME AND NUMBER 2434 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Cave City - Old Glasgow Rd, 9th St, KY 70, 3rd St, & Dixie Hwy- SW of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 15.5 6.) CUSTOMER COUNT FOR THIS CIRCUIT 629 7.) DATE OF LAST CIRCUIT TRIM (VM) 08/07/2013 8.) 2016 OUTAGES BY CAUSE Animal- 0.6% Construction- 0.0% Lightning- 0.0% Non-Company- 0.2% Other/Unknown- 0.0% Overload- 0.0% Planned Work- 3.1% Trees- 67.9% Utility Equipment- 28.1% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 95.57 10.) 2016 SAIDI 117.96 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.82

12.) **2016 SAIFI** 

Continue to Monitor

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

1.16

1.) SUBSTATION NAME AND NUMBER	LEITCHFIELD
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Grayson - 205 Mulberry St - Leitchfield
3.) CIRCUIT NAME AND NUMBER	2437
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Leitchfield - N Broadway St, W Main St, & W Market St - SW of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	8.0
6.) CUSTOMER COUNT FOR THIS CIRCUIT	590
7.) DATE OF LAST CIRCUIT TRIM (VM)	07/14/2014
8.) 2016 OUTAGES BY CAUSE	
Animal-	0.0%
Construction-	0.0%
Lightning-	21.5%
Non-Company-	0.0%
Other/Unknown-	1.0%
Overload-	
Planned Work-	27.0%
Trees-	
Utility Equipment-	35.8%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	18.37
10.) <b>2016 SAIDI</b>	43.38
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.17
12.) <b>2016 SAIFI</b>	0.35
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER	LEITCHFIELD	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Grayson - 205 Mulberry St - Leitchfield	
3.) CIRCUIT NAME AND NUMBER	2438	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Leitchfield - N Main St, W Walnut St, & Clinton St - SE of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	1.1	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	125	
7.) DATE OF LAST CIRCUIT TRIM (VM)	07/18/2014	
8.) 2016 OUTAGES BY CAUSE		
Animal-	32.7%	
Construction-	0.0%	
Lightning-	0.0%	
Non-Company-	0.0%	
Other/Unknown-	0.0%	
Overload-	0.0%	
Planned Work-	61.3%	
Trees-	0.0%	
Utility Equipment-		
Vehicle-	6.1%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	11.38	
10.) <b>2016 SAIDI</b>	28.16	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.10	
12.) <b>2016 SAIFI</b>	0.19	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1.) SUBSTATION NAME AND NUMBER	MILLWOOD
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Grayson - 6649 Beaver Dam Rd - Millwood
3.) CIRCUIT NAME AND NUMBER	2440
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Caneyville - US 62, Hwy 79, & River Park Dr - W of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	21.9
6.) CUSTOMER COUNT FOR THIS CIRCUIT	425
7.) DATE OF LAST CIRCUIT TRIM (VM)	12/31/2011
8.) 2016 OUTAGES BY CAUSE	
Animal-	3.0%
Construction-	0.0%
Lightning-	5.2%
Non-Company-	0.0%
Other/Unknown-	0.0%
Overload	0.0%
Planned Work-	29.4%
Trees-	62.4%
Utility Equipment-	0.0%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	18.83
10.) <b>2016 SAIDI</b>	23.08
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.23
12.) <b>2016 SAIFI</b>	0.16
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER	MILLWOOD	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Grayson - 6649 Beaver Dam Rd - Millwood		
3.) CIRCUIT NAME AND NUMBER	2441	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Millwood - US HWY 62, School House Rd, & Rock Quarry Rd - NE of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	11.5	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	171	
7.) DATE OF LAST CIRCUIT TRIM (VM)	10/01/2011	
8.) 2016 OUTAGES BY CAUSE		
Animal-	1.1%	
Construction-	1.6%	
Lightning-	0.0%	
Non-Company-	0.0%	
Other/Unknown-	0.9%	
Overload-	0.0%	
Planned Work-	16.1%	
Trees-	80.3%	
Utility Equipment-	0.0%	
Vehicle-	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	12.04	
10.) <b>2016 SAIDI</b>	17.84	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.11	
12.) <b>2016 SAIFI</b>	0.13	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

SUBSTATION NAME AND NUMBER
 SUBSTATION LOCATION (COUNTY-ROAD-TOWN Hart - 75 Gorin Mill Rd - Munfordville
 CIRCUIT NAME AND NUMBER
 CIRCUIT LOCATION (COUNTY-ROAD-TOWN)
 Munfordville - Mill St, KY 88, US 31 W, & HWY 571 - SE of Substation
 TOTAL CIRCUIT LENGTH (MILES)
 CUSTOMER COUNT FOR THIS CIRCUIT
 DATE OF LAST CIRCUIT TRIM (VM)
 O5/17/2014

8.) 2016 OUTAGES BY CAUSE

Animal- 0.3%

Construction- 0.0%

Lightning- 40.7%

Non-Company- 17.9%

Other/Unknown- 4.5%

Overload- 0.0%

Planned Work- 3.6%

Trees- 29.4%

Utility Equipment- 0.0%

Vehicle- 3.6%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 106.95
10.) 2016 SAIDI 76.75
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.54
12.) 2016 SAIFI 0.55

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

1.) SUBSTATION NAME AND NUMBER **NEW HAVEN** 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Nelson - 256 Lyons Station Rd - New Haven 3.) CIRCUIT NAME AND NUMBER 2445 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) New Haven - KY 52, Clark Rd, & Lyons Station Rd - NW of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 13.6 6.) CUSTOMER COUNT FOR THIS CIRCUIT 203 7.) DATE OF LAST CIRCUIT TRIM (VM) 07/07/2012 8.) 2016 OUTAGES BY CAUSE Animal- 1.1% Construction- 0.0% Lightning- 0.0% Non-Company- 0.0% Other/Unknown- 98.0% Overload- 0.0% Planned Work- 0.4% Trees- 0.5% Utility Equipment- 0.0% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 134.00 10.) **2016 SAIDI** 209.39 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.13 12.) 2016 SAIFI 1.04

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

1.) SUBSTATION NAME AND NUMBER RADCLIFF 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Hardin - 677 N Wilson Rd - Radcliff 3.) CIRCUIT NAME AND NUMBER 2449 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Radcliff - Hill St, Northern Rd, Preston St, Woodland Dr, & Lincoln Trail - NW & S of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 7.8 6.) CUSTOMER COUNT FOR THIS CIRCUIT 557 7.) DATE OF LAST CIRCUIT TRIM (VM) 11/29/2014 8.) 2016 OUTAGES BY CAUSE Animal- 0.0% Construction- 0.0% Lightning- 0.6% Non-Company- 0.0% Other/Unknown- 98.0% Overload- 0.0% Planned Work- 1.4% Trees- 0.0% Utility Equipment- 0.0% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 70.23 10.) 2016 SAIDI 90.20 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.51 12.) 2016 SAIFI 1.20

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

1.) SUBSTATION NAME AND NUMBER	SONORA	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Hardin - 1340 Old Sonora Rd - Sonora		
3.) CIRCUIT NAME AND NUMBER	2458	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Sonora - Maple St, US 31, & City of Upton - S of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	17.1	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	494	
7.) DATE OF LAST CIRCUIT TRIM (VM)	11/16/2012	
8.) 2016 OUTAGES BY CAUSE		
Animal	0.0%	
Construction-	0.8%	
Lightning-	1.7%	
Non-Company-	0.0%	
Other/Unknown-	0.4%	
Overload	0.0%	
Planned Work- 1.9%		
Trees-	0.2%	
Utility Equipment-	0.3%	
Vehicle-	94.7%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	43.34	
10.) <b>2016 SAIDI</b>	127.55	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.25	
12.) <b>2016 SAIFI</b>	0.48	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1.) SUBSTATION NAME AND NUMBER	ELIZABETHTOWN INDUSTRIAL	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Hardin - 111 Ring Rd - Elizabethtown	
3.) CIRCUIT NAME AND NUMBER	2462	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Elizabethtown - N Blackbranch Rd - NW of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	1.3	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	5	
7.) DATE OF LAST CIRCUIT TRIM (VM)	11/06/2010	
8.) 2016 OUTAGES BY CAUSE		
Animal-	0.0%	
Construction-	0.0%	
Lightning-	0.0%	
Non-Company-	0.0%	
Other/Unknown-	0.0%	
Overload-	0.0%	
Planned Work-	100.0%	
Trees-	0.0%	
Utility Equipment-	0.0%	
Vehicle-	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	46.88	
10.) <b>2016 SAIDI</b>	64.40	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.33	
12.) <b>2016 SAIFI</b>	0.20	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1.) SUBSTATION NAME AND NUMBER	LEITCHFIELD EAST	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Grayson - 705 Wallace Ave - Leitchfield	
3.) CIRCUIT NAME AND NUMBER	2465	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Leitchfield - Mill St, Lee Ave, & Grayson Springs Rd - N of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	6.2	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	381	
7.) DATE OF LAST CIRCUIT TRIM (VM)	04/02/2011	
8.) 2016 OUTAGES BY CAUSE		
Animal-	0.5%	
Construction-	0.0%	
Lightning-	2.4%	
Non-Company-	0.0%	
Other/Unknown-	0.0%	
Overload-	0.0%	
Planned Work-	96.5%	
Trees-	0.0%	
Utility Equipment-	0.6%	
Vehicle-	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	35.03	
10.) <b>2016 SAIDI</b>	75.19	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.58	
12.) <b>2016 SAIFI</b>	1.16	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1.) SUBSTATION NAME AND NUMBER HODGENVILLE 12KV 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Larue - 500 W High Ave - Hodgenville 3.) CIRCUIT NAME AND NUMBER 2467 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Hodgenville - Hwy 61, Glendale Rd, & Railroad Dr - NW of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 7.6 6.) CUSTOMER COUNT FOR THIS CIRCUIT 47 7.) DATE OF LAST CIRCUIT TRIM (VM) 01/14/2012

8.) 2016 OUTAGES BY CAUSE

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 5.2%

Trees- 0.0%

Utility Equipment- 0.0%

Vehicle- 94.8%

9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	87.98	
10.)	2016 SAIDI	128.70	
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.60	
12.)	2016 SAIFI	1.11	

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

1.)	SUBSTATION NAME AND NUMBER	RADCLIFF SOUTH
2.)	SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Hardin - 100 Energy Dr - Radcliff
3.)	CIRCUIT NAME AND NUMBER	2471
4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Hardin - S Wilson Rd & Medical Center Dr - SE of Substation
5.)	TOTAL CIRCUIT LENGTH (MILES)	3.1
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	105
7.)	DATE OF LAST CIRCUIT TRIM (VM)	08/01/2014
8.)	2016 OUTAGES BY CAUSE	
	Animal-	0.0%
	Construction-	0.0%
	Lightning-	0.0%
	Non-Company-	0.0%
	Other/Unknown-	100.0%
	Overload-	0.0%
	Planned Work-	0.0%
	Trees-	
	Utility Equipment-	
0.1	Vehicle-	0.0%
	CIRCUIT 5 YEAR AVERAGE (SAIDI)	8.28
10.)	2016 SAIDI	12.38
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.13
12.)	2016 SAIFI	0.25
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1.) SUBSTATION NAME AND NUMBER	HORSE CAVE INDUSTRIAL	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	<b>√</b> Hart - 400 Cherry St - Horse Cave	
3.) CIRCUIT NAME AND NUMBER	2474	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Horse Cave - Butler Rd & Top Quality Dr - S of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	2.5	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	28	
7.) DATE OF LAST CIRCUIT TRIM (VM)	12/02/2008	
8.) 2016 OUTAGES BY CAUSE		
Animal-	0.0%	
Construction-	0.0%	
Lightning-	49.7%	
Non-Company-	0.0%	
Other/Unknown-	2.0%	
Overload	0.0%	
Planned Work-	31.2%	
Trees-	0.0%	
Utility Equipment-	17.1%	
Vehicle-	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	23.61	
10.) <b>2016 SAIDI</b>	35.72	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.27	
12.) <b>2016 SAIFI</b>	0.34	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1.) SUBSTATION NAME AND NUMBER BLACK BRANCH 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Hardin - 1220 N Black Branch Rd - Elizabethtown 3.) CIRCUIT NAME AND NUMBER 2477 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Elizabethtown - City of Elizabethtown, W Main St, & St. Paul Rd- NE & SW of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 28.7 6.) CUSTOMER COUNT FOR THIS CIRCUIT 689 7.) DATE OF LAST CIRCUIT TRIM (VM) 11/13/2014 8.) 2016 OUTAGES BY CAUSE Animal- 4.0% Construction- 17.2% Lightning- 41.2% Non-Company- 0.6% Other/Unknown- 7.9% Overload- 5.1% Planned Work- 6.3% Trees- 6.6% Utility Equipment- 7.6% Vehicle- 3.6% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 44.95 10.) 2016 SAIDI 66.48 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.95 12.) 2016 SAIFI 2.45

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

1.) SUBSTATION NAME AND NUMBER	EMINENCE	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	<b>N</b> Henry - 1257 Ballardsville Rd - Eminence	
3.) CIRCUIT NAME AND NUMBER	2500	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Eminence - Jim Doyle Rd, Mulberry Pike, & Hill Spring Rd - SE of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	43.5	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	609	
7.) DATE OF LAST CIRCUIT TRIM (VM)	08/25/2012	
8.) 2016 OUTAGES BY CAUSE		
Animal	- 2.8%	
Construction	- 0.2%	
Lightning	- 1.7%	
Non-Company	- 0.0%	
Other/Unknown- 4.5%		
Overload- 0.0%		
Planned Work-	7.4%	
Trees-	0.6%	
Utility Equipment-	4.2%	
Vehicle-	78.7%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	83.72	
10.) <b>2016 SAIDI</b>	88.65	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.61	
12.) <b>2016 SAIFI</b>	0.55	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1.) SUBSTATION NAME AND NUMBER **EMINENCE** 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Henry - 1257 Ballardsville Rd - Eminence 3.) CIRCUIT NAME AND NUMBER 2501 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Eminence - City of Eminence, Hwy 22, & Castle Hwy - E of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 19.9 6.) CUSTOMER COUNT FOR THIS CIRCUIT 938 7.) DATE OF LAST CIRCUIT TRIM (VM) 06/30/2012 8.) 2016 OUTAGES BY CAUSE Animal- 5.8% Construction- 0.0% Lightning- 0.7% Non-Company- 0.0% Other/Unknown- 0.1% Overload- 0.0% Planned Work- 0.0% Trees- 0.8% Utility Equipment- 34.7% Vehicle- 57.9% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 59.16 10.) 2016 SAIDI 29.56 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.87 12.) 2016 SAIFI 1.03 13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER **EMINENCE** 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Henry - 1257 Ballardsville Rd - Eminence 3.) CIRCUIT NAME AND NUMBER 2502 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) New Castle - Jackson Rd, Eminence Rd, & City of New Castle - N of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 27.3 6.) CUSTOMER COUNT FOR THIS CIRCUIT 933 7.) DATE OF LAST CIRCUIT TRIM (VM) 08/11/2012 8.) 2016 OUTAGES BY CAUSE Animal- 7.4% Construction- 1.3% Lightning- 0.7% Non-Company- 0.0% Other/Unknown- 0.7% Overload- 0.0% Planned Work- 0.0% Trees- 0.4% Utility Equipment- 30.9% Vehicle- 58.7% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 32.20 10.) 2016 SAIDI 38.28 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.25 12.) 2016 SAIFI 0.40 13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER LA GRANGE E 12KV 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Oldham - 1810 E Highway 146 - La Grange 3.) CIRCUIT NAME AND NUMBER 2510 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) La Grange - Jefferson St, Jericho Rd, & Walnut Aly - SW of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 7.9 6.) CUSTOMER COUNT FOR THIS CIRCUIT 720 7.) DATE OF LAST CIRCUIT TRIM (VM) 07/18/2015 8.) 2016 OUTAGES BY CAUSE Animal- 42.9% Construction- 0.0% Lightning- 0.0% Non-Company- 0.0% Other/Unknown- 28.9% Overload- 0.0% Planned Work- 0.0% Trees- 1.8% Utility Equipment- 26.4% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 10.28 10.) 2016 SAIDI 8.91 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.10 12.) **2016 SAIFI** 0.12

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

1.) SUBSTATION NAME AND NUMBER SHELBYVILLE 12KV 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Shelby - 1201 Willow St - Shelbyville 3.) CIRCUIT NAME AND NUMBER 2519 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Shelbyville - Smithfield Rd, Bayberry Dr, & La Grange Rd - NW of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 34.7 6.) CUSTOMER COUNT FOR THIS CIRCUIT 1,320 7.) DATE OF LAST CIRCUIT TRIM (VM) 05/04/2013 8.) 2016 OUTAGES BY CAUSE Animal- 0.4% Construction- 0.0% Lightning- 1.0% Non-Company- 47.1% Other/Unknown- 1.4% Overload- 0.0% Planned Work- 0.2% Trees- 8.2% Utility Equipment- 41.7% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 31.86 10.) 2016 SAIDI 25.89 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.42 12.) 2016 SAIFI 0.62

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

1.) SUBSTATION NAME AND NUMBER SHELBYVILLE EAST 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Shelby - 183 Boone Station Rd - Shelbyville 3.) CIRCUIT NAME AND NUMBER 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Shelbyville - KY 60, HWY 395, & Benson Pike - E of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 53.3 6.) CUSTOMER COUNT FOR THIS CIRCUIT 1,658 7.) DATE OF LAST CIRCUIT TRIM (VM) 05/16/2014 8.) 2016 OUTAGES BY CAUSE Animal- 2.7% Construction- 0.0% Lightning- 3.3% Non-Company- 0.0% Other/Unknown- 68.2% Overload- 0.2% Planned Work- 3.0% Trees- 21.3% Utility Equipment- 1.3% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 54.05 10.) 2016 SAIDI 72.78 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.75 12.) 2016 SAIFI 0.60 13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER SHELBYVILLE EAST 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Shelby - 183 Boone Station Rd - Shelbyville 3.) CIRCUIT NAME AND NUMBER 2523 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Shelbyville - Williamsburg Rd, Alpine Dr, & Hudson Blvd - NE of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 10.1 6.) CUSTOMER COUNT FOR THIS CIRCUIT 730 7.) DATE OF LAST CIRCUIT TRIM (VM) 04/27/2013 8.) 2016 OUTAGES BY CAUSE Animal- 0.0% Construction- 0.0% Lightning- 0.0% Non-Company- 0.0% Other/Unknown- 0.7% Overload- 0.0% Planned Work- 0.0% Trees- 0.0% Utility Equipment- 99.3% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 11.18 10.) **2016 SAIDI** 12.36 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.11 12.) 2016 SAIFI 0.09 13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

Continue to Monitor

1.)	SUBSTATION NAME AND NUMBER	SHELBYVILLE SOUTH
2.)	SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Shelby - 614 Mack Walters Rd - Shelbyville
3.)	CIRCUIT NAME AND NUMBER	2524
4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Shelbyville - Old Finchville Rd, KY 55, & US 60 - W of Substation
5.)	TOTAL CIRCUIT LENGTH (MILES)	11.0
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	415
7.)	DATE OF LAST CIRCUIT TRIM (VM)	06/08/2013
8.)	2016 OUTAGES BY CAUSE	
	Animal-	1.5%
	Construction-	0.0%
	Lightning-	93.7%
	Non-Company-	0.3%
	Other/Unknown-	0.0%
	Overload-	0.0%
	Planned Work-	4.5%
	Trees-	0.0%
	Utility Equipment-	0.0%
	Vehicle-	0.0%
9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	80.61
10.)	2016 SAIDI	82.37
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.79
12.)	2016 SAIFI	1.10
13.)	LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER	SIMPSONVILLE	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	<b>V</b> Shelby - 6801 Shelbyville Rd - Simpsonville	
3.) CIRCUIT NAME AND NUMBER	2527	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Simpsonville - Main St, 3rd St, & Grand Central Dr - NW of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	6.7	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	307	
7.) DATE OF LAST CIRCUIT TRIM (VM)	03/08/2014	
8.) 2016 OUTAGES BY CAUSE		
Animal	- 0.0%	
Construction	- 0.0%	
Lightning- 0.0%		
Non-Company- 0.0%		
Other/Unknown- 0.0%		
Overload- 0.0%		
Planned Work-	0.0%	
Trees- 20.9%		
Utility Equipment-	79.1%	
Vehicle-	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	3.09	
10.) <b>2016 SAIDI</b>	5.92	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.05	
12.) <b>2016 SAIFI</b>	0.07	

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

1.) SUBSTATION NAME AND NUMBER SIMPSONVILLE 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Shelby - 6801 Shelbyville Rd - Simpsonville 3.) CIRCUIT NAME AND NUMBER 2528 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Simpsonville - Shelbyville Rd, Champions Way, Veechdale Rd & Hwy 60 - SW & E of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 23.6 6.) CUSTOMER COUNT FOR THIS CIRCUIT 269 7.) DATE OF LAST CIRCUIT TRIM (VM) 03/08/2014 8.) 2016 OUTAGES BY CAUSE Animal- 0.0% Construction- 0.0% Lightning- 0.0% Non-Company- 0.0% Other/Unknown- 58.4% Overload- 0.0% Planned Work- 4.7% Trees- 0.5%

9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	73.30
10.)	2016 SAIDI	100.97
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.61
12.)	2016 SAIFI	1.02

Utility Equipment- 36.3%

Vehicle- 0.0%

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

1.) SUBSTATION NAME AND NUMBER TAYLORSVILLE 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Spencer - 1604 Elk Creek Rd - Taylorsville 3.) CIRCUIT NAME AND NUMBER 2529 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Taylorsville - Elk Creek Rd, KY 55, & Hwy 1633 - N of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 49.5 6.) CUSTOMER COUNT FOR THIS CIRCUIT 1,036 7.) DATE OF LAST CIRCUIT TRIM (VM) 02/14/2015 8.) 2016 OUTAGES BY CAUSE Animal- 0.8% Construction- 0.0% Lightning- 95.0% Non-Company- 0.0% Other/Unknown- 2.2% Overload- 0.0% Planned Work- 0.2% Trees- 0.3% Utility Equipment- 1.5% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 56.44 10.) 2016 SAIDI 88.00 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.70

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

Reliability Improvements Scheduled for 2017

12.) 2016 SAIFI

1.05

1.) SUBSTATION NAME AND NUMBER LOCKPORT 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Henry - 88 Sawmill Rd - Bethlehem 3.) CIRCUIT NAME AND NUMBER 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Bethlehem - KY 22, Hwy 1360, Sewell Rd, & Bethlehem Rd - SW of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 46.9 6.) CUSTOMER COUNT FOR THIS CIRCUIT 917 7.) DATE OF LAST CIRCUIT TRIM (VM) 11/24/2012 8.) 2016 OUTAGES BY CAUSE Animal- 1.6% Construction- 0.7% Lightning- 0.5% Non-Company- 0.0% Other/Unknown- 10.9% Overload- 0.0% Planned Work- 0.0% Trees- 85.4% Utility Equipment- 0.6% Vehicle- 0.3% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 83.92 10.) **2016 SAIDI** 109.77 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.94 12.) 2016 SAIFI 1.14

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

1.) SUBSTATION NAME AND NUMBER	SHELBYVILLE EAST
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Shelby - 183 Boone Station Rd - Shelbyville
3.) CIRCUIT NAME AND NUMBER	2533
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Shelbyville - KY 53, KY 44, & Mill St - S of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	49.6
6.) CUSTOMER COUNT FOR THIS CIRCUIT	1,338
7.) DATE OF LAST CIRCUIT TRIM (VM)	07/05/2014
8.) 2016 OUTAGES BY CAUSE	
Animal-	1.0%
Construction-	0.2%
Lightning-	12.4%
Non-Company-	0.0%
Other/Unknown-	0.2%
Overload-	0.0%
Planned Work-	0.2%
Trees-	85.9%
Utility Equipment-	0.1%
Vehicle-	0.1%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	77.17
10.) <b>2016 SAIDI</b>	215.12
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.60
12.) <b>2016 SAIFI</b>	1.12
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER EMINENCE 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Henry - 1257 Ballardsville Rd - Eminence 3.) CIRCUIT NAME AND NUMBER 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Eminence - Giltner Rd, Smithfield Rd, & Hwy 22 - W of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 14.7 6.) CUSTOMER COUNT FOR THIS CIRCUIT 244 7.) DATE OF LAST CIRCUIT TRIM (VM) 07/14/2012 8.) 2016 OUTAGES BY CAUSE Animal- 0.4% Construction- 0.0% Lightning- 43.7% Non-Company- 0.0% Other/Unknown- 5.3% Overload- 0.0% Planned Work- 0.0% Trees- 3.5% Utility Equipment- 46.8% Vehicle- 0.3% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 57.23 10.) 2016 SAIDI 160.66 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.36 12.) 2016 SAIFI 0.79 13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER SIMPSONVILLE 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Shelby - 6801 Shelbyville - Simpsonville 3.) CIRCUIT NAME AND NUMBER 2541 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Simpsonville - Shelbyville Rd, Champions Way, & Conner Station Rd - SW of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 61.5 6.) CUSTOMER COUNT FOR THIS CIRCUIT 1,031 7.) DATE OF LAST CIRCUIT TRIM (VM) 12/01/2011 8.) 2016 OUTAGES BY CAUSE Animal- 0.4% Construction- 0.1% Lightning- 0.6% Non-Company- 0.0% Other/Unknown- 0.0% Overload- 0.0% Planned Work- 0.1% Trees- 0.9% Utility Equipment- 0.0% Vehicle- 97.8% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 177.31 10.) 2016 SAIDI 296.33 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.41 12.) 2016 SAIFI 0.40

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

1.) SUBSTATION NAME AND NUMBER	ALVA
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Harlan - Rockhouse Branch Rd - Pathfork
3.) CIRCUIT NAME AND NUMBER	4331
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Alva - Hwy 72 & Alva Rd - NW of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	3.3
6.) CUSTOMER COUNT FOR THIS CIRCUIT	11
7.) DATE OF LAST CIRCUIT TRIM (VM)	09/06/2013
8.) 2016 OUTAGES BY CAUSE	
Animal-	0.0%
Construction-	0.0%
Lightning-	0.0%
Non-Company-	0.0%
Other/Unknown-	0.0%
Overload-	0.0%
Planned Work-	0.0%
Trees-	100.0%
Utility Equipment-	0.0%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	539.50
10.) <b>2016 SAIDI</b>	940.84
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.59
12.) <b>2016 SAIFI</b>	3.00

 $13.)\;\;$  list of corrective action, if any, taken or to be taken

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER **FOURMILE** 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Bell - Hwy 2014 - Pineville 3.) CIRCUIT NAME AND NUMBER 4340 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Pineville - Hwy 2014 & 2015, US 25, & Hwy 92 - SW & N of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 19.6 6.) CUSTOMER COUNT FOR THIS CIRCUIT 324 7.) DATE OF LAST CIRCUIT TRIM (VM) 12/19/2012 8.) 2016 OUTAGES BY CAUSE Animal- 0.0% Construction- 0.0% Lightning- 0.0% Non-Company- 0.0% Other/Unknown- 0.7% Overload- 6.4% Planned Work- 0.8% Trees- 91.5% Utility Equipment- 0.6% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 183.62

10.) **2016 SAIDI** 

12.) 2016 SAIFI

11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)

Continue to Monitor

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

283.14

1.93

1.75

1.) SUBSTATION NAME AND NUMBER	SHAWNEE GAS 4KV	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Harlan - Ball Park Rd - Harlan		
3.) CIRCUIT NAME AND NUMBER	4400	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Harlan - Memorial Hospital Rd & Hwy 115 - E of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	0.8	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	16	
7.) DATE OF LAST CIRCUIT TRIM (VM)	11/28/2014	
8.) 2016 OUTAGES BY CAUSE		
Animal	0.0%	
Construction-	0.0%	
Lightning-	0.0%	
Non-Company-	0.0%	
Other/Unknown-	0.0%	
Overload	0.0%	
Planned Work-	19.0%	
Trees-	0.0%	
Utility Equipment- 81.0%		
Vehicle-	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	15.03	
10.) <b>2016 SAIDI</b>	75.13	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.11	
12.) <b>2016 SAIFI</b>	0.56	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1.)	SUBSTATION NAME AND NUMBER	SHAWNEE GAS 12KV
2.)	SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Harlan - Ball Park Rd - Harlan
3.)	CIRCUIT NAME AND NUMBER	4401
4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Harlan - Morris Ln & Tway Hollow Rd - N of Substation
5.)	TOTAL CIRCUIT LENGTH (MILES)	3.1
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	110
7.)	DATE OF LAST CIRCUIT TRIM (VM)	11/28/2014
8.)	2016 OUTAGES BY CAUSE	
	Animal-	0.0%
	Construction-	0.0%
	Lightning-	1.9%
	Non-Company-	0.0%
	Other/Unknown-	2.1%
	Overload-	0.0%
	Planned Work-	0.0%
	Trees-	96.0%
	Utility Equipment-	0.0%
	Vehicle-	0.0%
9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	63.41
10.)	2016 SAIDI	97.19
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.33
12.)	2016 SAIFI	0.11
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

1.) SUBSTATION NAME AND NUMBER	HARLAN WYE 4KV	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Harlan - Sunshine Pike Rd just W of US HWY 421 - Harlan	
3.) CIRCUIT NAME AND NUMBER	4411	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Harlan - US HWY 421 - E of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	4.7	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	398	
7.) DATE OF LAST CIRCUIT TRIM (VM)	06/21/2013	
8.) 2016 OUTAGES BY CAUSE		
Animal-	0.0%	
Construction-	0.0%	
Lightning-	0.0%	
Non-Company-	0.3%	
Other/Unknown-	39.0%	
Overload-	0.0%	
Planned Work-	8.8%	
Trees-	51.9%	
Utility Equipment-	0.0%	
Vehicle-	0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	29.82	
10.) <b>2016 SAIDI</b>	35.17	
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.20	
12.) <b>2016 SAIFI</b>	0.08	
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		

Tree Trim Scheduled for 2017

1.) SUBSTATI	ON NAME AND NUMBER	HARLAN WYE 12KV
2.) SUBSTATI	ON LOCATION (COUNTY-ROAD-TOWN	Harlan - Sunshine Pike Rd just W of US HWY 421 - Harlan
3.) CIRCUIT N	IAME AND NUMBER	4412
4.) CIRCUIT L	OCATION (COUNTY-ROAD-TOWN)	Harlan - US HWY 421 - E of Substation
5.) TOTAL CIF	RCUIT LENGTH (MILES)	19.4
6.) <b>CUSTOME</b>	R COUNT FOR THIS CIRCUIT	902
7.) DATE OF L	AST CIRCUIT TRIM (VM)	07/26/2013
8.) <b>2016 OUT</b>	AGES BY CAUSE	
	Animal-	0.0%
	Construction-	0.0%
	Lightning-	57.1%
	Non-Company-	0.0%
	Other/Unknown-	31.9%
	Overload-	0.0%
	Planned Work-	1.6%
	Trees-	6.9%
	Utility Equipment-	2.6%
	Vehicle-	0.0%
9.) CIRCUIT 5	YEAR AVERAGE (SAIDI)	69.15
10.) <b>2016 SAID</b>	I	212.66
11.) CIRCUIT 5	YEAR AVERAGE (SAIFI)	0.59
12.) <b>2016 SAIFI</b>		1.37
13.) LIST OF CO	PRRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER	DANIEL BRANCH
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Harlan - Gilbert Rd/Bandana Branch - Smith
3.) CIRCUIT NAME AND NUMBER	4421
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Rose Hill - Hwy 987 - E of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	20.6
6.) CUSTOMER COUNT FOR THIS CIRCUIT	234
7.) DATE OF LAST CIRCUIT TRIM (VM)	01/11/2016
8.) 2016 OUTAGES BY CAUSE	
Animal-	0.0%
Construction-	0.0%
Lightning-	0.0%
Non-Company-	0.0%
Other/Unknown-	8.0%
Overload-	0.0%
Planned Work-	27.3%
Trees-	33.0%
Utility Equipment-	31.7%
Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	85.96
10.) <b>2016 SAIDI</b>	63.87
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.54
12.) <b>2016 SAIFI</b>	0.65
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

Trees Trimmed in 2016

1.) SUBSTATION NAME AND NUMBER LYNCH 7.2KV 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Harlan - Hwy 160 (W Main St) - Lynch 3.) CIRCUIT NAME AND NUMBER 4450 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Lynch - Church St, E Main St, Gap Branch Rd, & Hwy 160 - E of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 5.8 6.) CUSTOMER COUNT FOR THIS CIRCUIT 389 7.) DATE OF LAST CIRCUIT TRIM (VM) 11/23/2012 8.) 2016 OUTAGES BY CAUSE Animal- 0.0% Construction- 0.0% Lightning- 0.0% Non-Company- 97.0% Other/Unknown- 1.0% Overload- 0.0% Planned Work- 0.1% Trees- 1.7% Utility Equipment- 0.2% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 242.45 10.) 2016 SAIDI 983.37 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.48 12.) 2016 SAIFI 1.33

Continue to Monitor

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

1.) SUBSTATION NAME AND NUMBER LYNCH 7.2KV 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Harlan - Hwy 160 (W Main St) - Lynch 3.) CIRCUIT NAME AND NUMBER 4451 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Lynch - W Main St, Mountain St, & 1st, 2nd, & 3rd St - W of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 2.2 6.) CUSTOMER COUNT FOR THIS CIRCUIT 162 7.) DATE OF LAST CIRCUIT TRIM (VM) 11/23/2012 8.) 2016 OUTAGES BY CAUSE Animal- 0.0% Construction- 0.0% Lightning- 0.0% Non-Company- 0.0% Other/Unknown- 0.2% Overload- 0.0% Planned Work- 0.0% Trees- 99.8% Utility Equipment- 0.0% Vehicle- 0.0%

9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	269.98
10.)	2016 SAIDI	825.96
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.54
12.)	2016 SAIFI	1.03

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

1.)	SUBSTATION NAME AND NUMBER	EVARTS
2.)	SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Harlan - 1600 Block of Hwy 215 - Evarts
3.)	CIRCUIT NAME AND NUMBER	4475
4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Evarts - Hwy 215 & City of Evarts - W of Substation
5.) 1	TOTAL CIRCUIT LENGTH (MILES)	11.3
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	649
7.) [	DATE OF LAST CIRCUIT TRIM (VM)	09/15/2012
8.) 2	2016 OUTAGES BY CAUSE	
	Animal-	0.0%
	Construction-	23.9%
	Lightning-	0.8%
	Non-Company-	26.6%
	Other/Unknown-	20.1%
	Overload-	0.0%
	Planned Work-	2.4%
	Trees-	8.3%
	Utility Equipment-	17.9%
	Vehicle-	0.0%
9.) <b>c</b>	CIRCUIT 5 YEAR AVERAGE (SAIDI)	201.93
10.) 2	016 SAIDI	512.31
11.) <b>C</b>	IRCUIT 5 YEAR AVERAGE (SAIFI)	2.26
12.) <b>2</b> 0	016 SAIFI	4.62
13.) <b>L</b> I	IST OF CORRECTIVE ACTION, IF ANY, TAKEN OR	TO BE TAKEN

1.) SUBSTATION NAME AND NUMBER VERDA 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Harlan - Corner of School St - Evarts 3.) CIRCUIT NAME AND NUMBER 4479 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Evarts - Hwy 38, Nolan Ln, & Ages Creek Rd - W of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 15.4 6.) CUSTOMER COUNT FOR THIS CIRCUIT 511 7.) DATE OF LAST CIRCUIT TRIM (VM) 09/07/2012 8.) 2016 OUTAGES BY CAUSE Animal- 0.0% Construction- 0.0% Lightning- 50.4% Non-Company- 0.0% Other/Unknown- 1.3% Overload- 0.0% Planned Work- 0.4% Trees- 47.3% Utility Equipment- 0.5% Vehicle- 0.1% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 270.79 10.) 2016 SAIDI 343.15 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI) 2.16 12.) 2016 SAIFI

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

Continue to Monitor

1.71

1.)	SUBSTATION NAME AND NUMBER	VERDA
2.)	SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Harlan - Corner of School St - Evarts
3.)	CIRCUIT NAME AND NUMBER	4480
4.)	CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Evarts - Hwy 38, Hill St, & Hwy 1601 - NE & SE of Substatio
5.)	TOTAL CIRCUIT LENGTH (MILES)	10.0
6.)	CUSTOMER COUNT FOR THIS CIRCUIT	397
7.)	DATE OF LAST CIRCUIT TRIM (VM)	09/07/2012
8.)	2016 OUTAGES BY CAUSE	
	Animal-	0.0%
	Construction-	0.0%
	Lightning-	0.1%
	Non-Company-	0.0%
	Other/Unknown-	20.8%
	Overload-	0.0%
	Planned Work-	0.4%
	Trees-	78.5%
	Utility Equipment-	0.2%
	Vehicle-	0.0%
9.)	CIRCUIT 5 YEAR AVERAGE (SAIDI)	248.81
10.)	2016 SAIDI	342.75
11.)	CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.75
12.)	2016 SAIFI	2.21
13)	LIST OF CORRECTIVE ACTION IS ANY TAKEN OR T	TO DE TAKEN

 $13.) \ \ \textbf{LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN}$ 

1.) SUBSTATION NAME AND NUMBER MCKEE ROAD 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN Pulaski - 140 McKee Rd - Somerset 3.) CIRCUIT NAME AND NUMBER 4511 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN) Somerset - Hwy 2227, Hwy 27, & Hwy 80 - N & SW of Substation 5.) TOTAL CIRCUIT LENGTH (MILES) 6.) CUSTOMER COUNT FOR THIS CIRCUIT 841 7.) DATE OF LAST CIRCUIT TRIM (VM) 10/09/2014 8.) 2016 OUTAGES BY CAUSE Animal- 0.5% Construction- 0.0% Lightning- 6.8% Non-Company- 0.0% Other/Unknown- 0.3% Overload- 0.0% Planned Work- 0.4% Trees- 91.7% Utility Equipment- 0.3% Vehicle- 0.0% 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI) 104.71 10.) **2016 SAIDI** 206.63 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)

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

Continue to Monitor

12.) 2016 SAIFI

1.01

1.20

# **KENTUCKY PUBLIC SERVICE COMMISSION**

## ELECTRIC DISTRIBUTION UTILITY ANNUAL RELIABILITY REPORT

## **SECTION 6: VEGETATION MANAGEMENT PLAN REVIEW**

The Companies' Vegetation Management Plan was submitted December 19, 2007. The Distribution Vegetation Management Program encompasses right of way maintenance for Louisville Gas and Electric Company and Kentucky Utilities Company (referred to as the "Companies"). The program is centralized and managed by a Forestry Manager and eight company Utility Arborists. All are certified arborists by the International Society of Arboriculture.

The Companies' plan is to maintain a proactive trim cycle while balancing the reactive needs of worst performing circuits. The Companies' goal is to maintain an average trim cycle of five years or less. The effectiveness of the plan is evaluated by the cycle and system performance as measured by system SAIDI, SAIFI, and CAIDI.

#### Effectiveness of the program

KU/LG&E Tree Cycle - 4.67 years

KU (Kentucky) Tree SAIDI - 27.45 minutes

KU (Kentucky) Tree SAIFI - 0.146

KU (Kentucky) Tree CAIDI – 188.1 minutes

The hazard tree program, mid cycle, herbicide, and worst performing circuits were completed as planned.

## Adjustments made to the tree plan in 2016 included

No changes made to plan.

### Changes to be implemented in 2017

No changes made to plan. Continue to focus on hazard tree program.

#### **SECTION 7: UTILITY COMMENTS**

SAIDI, SAIFI and CAIDI all improved in 2016 compared to the previous 5 year average including major events. 404 Circuits were above their previous 5 year average SAIDI and/or SAIFI in 2016.