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May 1, 2017

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**HAND DELIVERED**

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

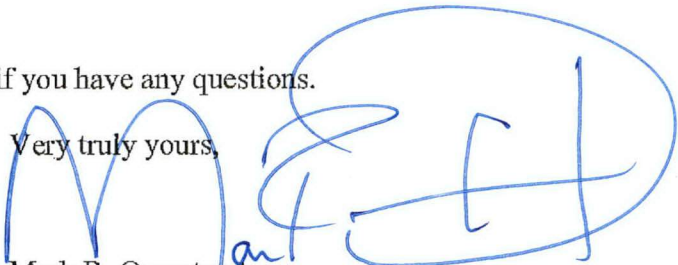
**RE: Case No. 2011-00450 (Post Case-Referenced Correspondence File)**

Dear Dr. Mathews:

Please find enclosed and accept for filing one paper copy and one electronic copy (on CD) of the reliability report mandated by the April 1, 2014 and May 30, 2013 Orders in the above proceeding.

Please do not hesitate to contact me if you have any questions.

Very truly yours,

  
Mark R. Overstreet

MRO

# KENTUCKY PUBLIC SERVICE COMMISSION

## Electric Distribution Utility Annual Reliability Report

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### SECTION 1: CONTACT INFORMATION

UTILITY NAME	Kentucky Power Company
REPORT PREPARED BY	Everett G. Phillips
E-MAIL ADDRESS OF PREPARER	<a href="mailto:egphillips@aep.com">egphillips@aep.com</a>
PHONE NUMBER OF PREPARER	(606) 327-2610

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### SECTION 2: REPORT YEAR

CALENDAR YEAR OF REPORT	2016
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### SECTION 3: MAJOR EVENT DAYS

$T_{MED}$	29.152
FIRST DATE USED TO DETERMINE $T_{MED}$	1-Jan-11
LAST DATE USED TO DETERMINE $T_{MED}$	31-Dec-15
NUMBER OF MED IN REPORT YEAR	1

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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.

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### SECTION 4: SYSTEM RELIABILITY INFORMATION AND RESULTS

#### System Wide Information

Total Customers	167,061	Total Circuits	222
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#### Excluding MED

	5 Year Average		Reporting Year
SAIDI	483.3	SAIDI	446.2
SAIFI	2.497	SAIFI	2.175

#### Including MED

	5 Year Average		Reporting Year
SAIDI	1150.9		559.4
SAIFI	2.988		2.326

#### Notes:

- 1) All duration indices (SAIDI) are to be reported in units of minutes.
  - 2) Reports are due on May 1.
  - 3) Reports cover the calendar year ending in the December before the reports are due.
  - 4) IEEE 1366 (latest version) is used to define SAIDI, SAIFI and  $T_{MED}$
  - 5) The number of customers represents the total number of meters.
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# KENTUCKY PUBLIC SERVICE COMMISSION

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## Electric Distribution Utility Annual Reliability Report

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### SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

#### **CIRCUIT #1:**

1. SUBSTATION NAME AND NUMBER
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
3. CIRCUIT NAME AND NUMBER
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
5. TOTAL CIRCUIT LENGTH (MILES)
6. CUSTOMER COUNT FOR THIS CIRCUIT
7. DATE OF LAST CIRCUIT TRIM (VM)
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE  
NUMBERS REPRESENTED BY EACH CAUSE
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)
10. REPORTING YEAR (SAIDI)
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)
12. REPORTING YEAR (SAIFI)
13. CORRECTIVE ACTION PLAN

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

*Please see Attachment 1 for Section 5: Circuit Reporting*

Note: Circuits sorted according to reporting year SAIDI

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## Electric Distribution Utility Annual Reliability Report

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Additional pages may be attached as necessary

SECTION 6: VEGETATION MANAGEMENT PLAN REVIEW

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# KENTUCKY PUBLIC SERVICE COMMISSION

See attached copy of Kentucky Power Company 2016 Vegetation Management Report in conformity with Paragraph 8(d) of the Settlement Agreement, Appendix A to the Commission's June 22, 2015 order in Case No. 2014-00396.

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## SECTION 7: UTILITY COMMENTS

The Company continues to see positive results from its vegetation management program. Evidence suggests a more consistent positive reliability trend in the future. The 2016 Tree Inside of ROW SAIDI declined 43% compared to the previous five year average performance. Weather events now require more sustained and higher wind speeds to produce damage to the Company's facilities.

Excluding major events as defined by IEEE standard 1366, Kentucky Power's overall 2016 system performance for System Average Interruption Duration Index (SAIDI) and System Average Interruption Frequency Index (SAIFI) were lower than the previous five-year averages. The 2016 SAIFI and SAIDI indices were 2.175 and 446.2 respectively. The previous five-year averages for the SAIFI and SAIDI indices were 2.497 and 483.3 respectively. The Company's 2016 SAIFI and SAIDI indices also improved over the 2015 SAIFI and SAIDI indices of 2.464 and 467.8 respectively.

The Company's JMED is declining but remains high. It declined by approximately 27% from 6,264,399 total customer minutes interrupted in 2012 to 4,567,655 total customer minutes interrupted in 2016. Starting in 2018, when the 2012 Derecho will be eliminated from the trailing five-year average the Company is hopeful that that the daily MED will be normalized so that year-to-year comparisons of SAIDI will be more useful.

Kentucky Power Company remains committed to its reliability and vegetation management

Section 5 - Circuit Report  
Reporting Year : 2016

ID	District	Station/ Circuit Number	Station Name	Circuit Name	Station Location	Area Served	Circuit Length (MI)	Number of Customers Served	Last Circuit R/W Trim Date Completed	Reliability Data For Reporting Year				Circuit Outage Causes for Report Year		List of Corrective Actions	Comments
										Circuit 5 Year Avg SAIDI	Reporting Year SAIDI	Circuit 5 Year Avg SAIFI	Reporting Year SAIFI	Outage Causes	% of Outages Due to Causes Listed in Previous Column		
1	Pikeville	2150103	Sprigg	Sprigg	Coaly Smoke Hollow and Lobata, Lobata	Burnwell, Rawl, Aflex	11.11	138	3/30/2016	391.1	525.6	1.612	2.275	EQUIPMENT FAILURE, TREE OUT OF ROW, OTHER, UNKNOWN (NON WEATHER)	45.45, 36.36, 9.09, 9.09	No further actions planned for 2017.	This circuit is fed from a station in WV. One Equipment Failure outage, due to a broke cutout, accounted for 36% of the total SAIFI and 50% of the total SAIDI. One Tree Out of ROW outage accounted for 42% of the total SAIFI and 38% of the total SAIDI.
2	Pikeville	2150105	Sprigg	Matewan	Coaly Smoke Hollow and Lobata, Lobata	Buskirk, McCarr, North Matewan, Delorme	9.39	134	3/30/2016	532.5	634.2	2.688	2.600	TREE OUT OF ROW, VINE, VEHICLE ACCIDENT (NON AEP), EQUIPMENT FAILURE, UNKNOWN (NON WEATHER), WEATHER - FLOOD/SLIDE, WEATHER - UNKNOWN	36.36, 18.18, 18.18, 9.09, 4.55, 4.55, 4.55, 4.55	No further actions planned for 2017.	This circuit is fed from a station in WV. One Tree of ROW outage that accounted for 32% of the total SAIFI and 46% of the total SAIDI.
3	Pikeville	2150501	Borderland	Nolan	On Hwy 52 just north of Borderland, WV.	Hwy 292 , North Big Creek Rd, Bent Br.	22.02	198	9/17/2016	403.5	384.4	1.693	2.288	TREE OUT OF ROW, SCHEDULED COMPANY, UNKNOWN (NON WEATHER)	37.5, 37.5, 12.5, 12.5	No further actions planned for 2017.	This circuit is fed from a station in WV. Four Scheduled Company outages accounted for 81% of the SAIFI. One Tree Out of ROW outage accounted for 15% of the total SAIFI and 86% of the total SAIDI.
4	Pikeville	2150502	Borderland	Chattaroy	On Hwy 52 just north of Borderland, WV.	Hurricane Br, Hwy 292, Slaters Br.	13.43	251	7/23/2016	600.5	326.3	1.653	1.837	TREE OUT OF ROW, EQUIPMENT FAILURE, VINE, OTHER, SCHEDULED COMPANY, TREE REMOVAL (NON AEP)	22.22, 22.22, 16.67, 16.67, 11.11, 5.56, 5.56	No further actions planned for 2017.	This circuit is fed from a station in WV. One Scheduled Company outage accounted for 51% of the total SAIFI and 40% of the total SAIDI.
5	Pikeville	2153502	Middle Burning Crk	Naugatuck	On Hwy 52 just south of Naugatuck, WV.	Hwy 292 south of Lovely, KY.	1.28	6	7/30/2016	1653.7	2295.0	19.120	3.000	TREE OUT OF ROW, VEHICLE ACCIDENT (NON AEP)	66.66, 33.33	No further actions planned for 2017.	This circuit has only 6 customers that are fed from a station in WV. All 6 KY customers are fed from a recloser in WV. There were two Tree of ROW outages and one Vehicle Accident outage. One Tree Out of ROW outage accounted for 66% of the total SAIDI.
6	Ashland	3000103	Ashland	14th Street	Ashland	25th Street and Mayo Plaza	2.99	132	7/23/2016	40.3	112.0	0.442	0.591	EQUIPMENT FAILURE	100	No further actions planned for 2017.	Only two outages occurred on this circuit in 2016 ( one insulator failure and one cutout failure). The insulator outage accounted for 96% of the total SAIDI causing the increase for 2016.
7	Ashland	3000201	Big Sandy	Fallsburg South	Off HWY 23 by Big Sandy Plant	Rt 3, Little East Fork Rd, Little Cat Fork Rd, Cat Fork, Rt 828	177.43	691*	11/8/2013	926.3	2689.5	3.202	5.599	TREE OUT OF ROW, EQUIPMENT FAILURE, WEATHER - UNKNOWN, OTHER, UNKNOWN (NON WEATHER), WEATHER - ICE (1/2 INCH OR > 6" SNOW), SCHEDULED COMPANY, WEATHER - LIGHTNING, ANIMAL - NON BIRD, CUST. EQUIPMENT > 1 CUSTOMER, ERROR - OPERATIONS, FIRE - AEP, OR AFFECTING > 1 CUSTOMER, SCHEDULED OUTSIDE REQUEST > 1 CUSTOMER, TREE INSIDE ROW, TREE REMOVAL (NON AEP), VANDALISM, VEHICLE ACCIDENT (NON AEP), VINE	36.76, 10.29, 10.29, 7.35, 7.35, 7.35, 2.94, 2.94, 1.47, 1.47, 1.47, 1.47, 1.47, 1.47, 1.47, 1.47, 1.47	Planned cutout replacements for 2017.	*This circuit was divided into two circuits in Nov 2016. The new circuit is the Big Sandy-Yatesville Circuit #3000203. The customer count for the original Fallsburg South Circuit was approximately 1325. The new circuits should improve SAIFI and SAIDI going forward. All the Equipment Failure outages were caused by failed cutouts. Tree Out of ROW outages accounted for 32% of the total SAIFI and 49% of the total SAIDI.

8	Ashland	3000303	Bellefont	Bellefont	Off US 23 between SR 5 and A K Steel entrance	Bellefonte and SR 5	71.51	1,645	Prior to 2010	415.0	305.5	1.854	1.967	TREE OUT OF ROW, TREE INSIDE ROW, UNKNOWN (NON WEATHER), EQUIPMENT FAILURE, SCHEDULED COMPANY, OTHER, ANIMAL - NON BIRD, WEATHER - LIGHTNING, VINE, ANIMAL - BIRD, WEATHER - UNKNOWN, CUST. EQUIPMENT > 1 CUSTOMER, CONTAMINATION/FLASHOVER, ERROR - OPERATIONS, TREE REMOVAL (NON AEP)	26.05, 15.13, 15.13, 11.76, 7.56, 5.88, 4.2, 4.2, 3.36, 1.68, 1.68, 0.84, 0.84, 0.84, 0.84	Planned cutout replacements for 2017. Projected tree clearing for 2017.	Tree Out of ROW outages accounted for 25% of the total SAIFI and 41% of the total SAIDI. Tree inside ROW outages accounted for 22% of the total SAIFI and 40% of the total SAIDI.
9	Ashland	3000801	Hayward	Haldeman	Near 6876 SR 174	SR 174, US 60, and SR 377	138.84	1665	12/6/2014	500.2	335.6	1.756	2.687	EQUIPMENT FAILURE, UNKNOWN (NON WEATHER), OTHER, TREE OUT OF ROW, SCHEDULED COMPANY, WEATHER - LIGHTNING, WEATHER - ICE (1/2 INCH OR > 6" SNOW), VINE, OTHER UTILITY, VANDALISM, WEATHER - UNKNOWN	30, 15, 11.67, 11.67, 10, 8.33, 5, 3.33, 1.67, 1.67, 1.67	Planned cutout replacements for 2017.	One Scheduled Company outage accounted for 35% of the total SAIFI and 44% of the total SAIDI. One Equipment Failure outage, caused by a broken non-AEP pole accounted for 22% of the total SAIFI. Weather related outages accounted for 28% of the total SAIDI.
10	Ashland	3001003	Hitchins	Grayson	Off SR 773 along Clay Camp	SR 1, Beech Grove, Canoe Run, Stinson Rd, US 60	56.62	984	Prior to 2010	473.9	702.1	1.678	2.436	TREE OUT OF ROW, UNKNOWN (NON WEATHER), EQUIPMENT FAILURE, TREE INSIDE ROW, VINE, ANIMAL - NON BIRD, OTHER, WEATHER - LIGHTNING, WEATHER - UNKNOWN	25.45, 23.64, 16.36, 12.73, 10.91, 3.64, 3.64, 1.82, 1.82	Continue the tree clearing that was started in 2016.	One Equipment Failure outage, that affected the entire circuit, accounted for 41% of the total SAIFI and 49% of the total SAIDI. Tree Out of ROW outages accounted for 27% of the total SAIFI and 29% of the total SAIDI.
11	Ashland	3001004	Hitchins	EK Road	Off SR 773 along Clay Camp	SR 773 or EK Road	37.07	527	Prior to 2010	273.1	254.3	1.224	1.364	UNKNOWN (NON WEATHER), TREE OUT OF ROW, EQUIPMENT FAILURE, SCHEDULED COMPANY, WEATHER - UNKNOWN, TREE INSIDE ROW, WEATHER - LIGHTNING	38.1, 23.81, 9.52, 9.52, 9.52, 4.76, 4.76	Projected tree clearing for 2017.	Tree Out of ROW outages accounted for 46% of the total SAIFI and 81% of the total SAIDI. Weather related outages accounted for 35% of the total SAIFI.
12	Ashland	3001101	Hoods creek	Summit	State Rout 5 and Inheritance Rd	Hoenig Dr, Little Hood Creek, Roberts Dr	31.12	889	11/24/2012	328.8	556.6	2.121	3.441	TREE OUT OF ROW, UNKNOWN (NON WEATHER), EQUIPMENT FAILURE, TREE INSIDE ROW, ANIMAL - NON BIRD, WEATHER - LIGHTNING, WEATHER - UNKNOWN, ANIMAL - BIRD, CUST. EQUIPMENT > 1 CUSTOMER, FIRE - AEP, OR AFFECTING > 1 CUSTOMER, FOREIGN OBJECT (NON ANIMAL), OTHER, VEHICLE ACCIDENT (NON AEP), VINE	30.23, 16.28, 11.63, 11.63, 4.65, 4.65, 4.65, 2.33, 2.33, 2.33, 2.33, 2.33, 2.33	No further actions planned for 2017.	Tree out of ROW outages accounted for 64% of the total SAIFI and 57% of the total SAIDI. Vehicle Accident Non AEP outages accounted for 29% of the total SAIFI and 38% of the total SAIDI.
13	Ashland	3001201	Howard Collins	13Street	Floyd St between Beech St and Skyline Dr	Part of 13th St (Rt 60) and Blackburn Ave (Rt 168)	21.00	1,387	10/3/2015	108.0	95.1	0.799	1.028	EQUIPMENT FAILURE, UNKNOWN (NON WEATHER), TREE OUT OF ROW, ANIMAL - NON BIRD, OTHER, WEATHER - LIGHTNING, TREE INSIDE ROW, ANIMAL - BIRD, ERROR - FIELD, TREE REMOVAL (NON AEP), VINE, WEATHER - UNKNOWN	26.67, 24.44, 13.33, 6.67, 6.67, 6.67, 4.44, 2.22, 2.22, 2.22, 2.22, 2.22	Planned cutout replacements for 2017.	One Equipment Failure outage, caused by a failed conductor jumper, accounted for 23% of the total SAIFI. Weather related outages accounted for 20% of the total SAIFI and 26% of the total SAIDI.
14	Ashland	3001402	Louisa	Highbottom	Town Hill Rd off Hwy 32	Hwy 32 and along Lick Creek	17.40	653	12/30/2015	173.4	292.4	1.649	0.481	TREE OUT OF ROW, EQUIPMENT FAILURE, UNKNOWN (NON WEATHER), WEATHER - HIGH WINDS (EXCEEDING 60 MPH), VANDALISM, ERROR - OPERATIONS, OTHER, SCHEDULED COMPANY, WEATHER - LIGHTNING, WEATHER - UNKNOWN	20.83, 16.67, 16.67, 16.67, 8.33, 4.17, 4.17, 4.17, 4.17, 4.17	Projected tree clearing for 2017.	Tree Out of ROW outages accounted for 30% of the total SAIFI and 55% of the total SAIDI. Weather caused outages accounted for 23% of the total SAIFI and 37% of the total SAIDI.
15	Ashland	3002001	S.Shore	Siloam	Sm Roberson Dr	Lower White Oak Rd, Hwy 23	42.64	1007	11/8/2014	162.2	93.4	1.077	1.535	UNKNOWN (NON WEATHER), EQUIPMENT FAILURE, OTHER, SCHEDULED COMPANY, TREE OUT OF ROW, WEATHER - LIGHTNING, TREE INSIDE ROW, VEHICLE ACCIDENT (NON AEP), FOREIGN OBJECT (NON ANIMAL)	19.44, 16.67, 16.67, 13.89, 11.11, 8.33, 5.56, 5.56, 2.78	No further actions planned for 2017.	One Equipment Failure outage, caused by a failed cutout, accounted for 64% of the total SAIFI.
16	Ashland	3002101	Tenth Street	6Street	Greenup Ave, US 23, Ashland	6th Street and Ashland Mall	1.74	90	3/28/2015	26.7	26.0	0.270	0.433	EQUIPMENT FAILURE, VEHICLE ACCIDENT (NON AEP)	50, 50	No further actions planned for 2017.	There were only two outages on this circuit in 2016. One Equipment Failure outage, caused by a failed hot line clamp, accounted for 97% of the total SAIFI and 99% of the total SAIDI.

17	Ashland	3002107	Tenth Street	West Central	Greenup Ave, US 23, Ashland	W. Central Ave and surrounding areas	23.17	1301	1/25/2014	90.7	169.8	0.556	1.231	EQUIPMENT FAILURE, OTHER, TREE OUT OF ROW, UNKNOWN (NON WEATHER), SCHEDULED COMPANY, TREE INSIDE ROW, ANIMAL - NON BIRD, ANIMAL - BIRD, CUST. EQUIPMENT > 1 CUSTOMER, ERROR - OPERATIONS, FOREIGN OBJECT (NON ANIMAL), OTHER UTILITY, WEATHER - LIGHTNING	20, 16.67, 16.67, 10, 6.67, 6.67, 3.33, 3.33, 3.33, 3.33, 3.33, 3.33, 3.33	No further actions planned for 2017.	One Animal - Bird outage accounted for 62% of the total SAIFI and 36% of the total SAIDI. One Tree Inside ROW outage accounted for 13% of the total SAIFI and 50% of the total SAIDI.
18	Ashland	3003701	Coalton	U.S.60W	137 S Big Run Rd	US 60, SR 854, SR 1654, Pigeon Roost Rd	102.67	1185	6/1/2016	719.5	487.5	3.013	3.576	TREE OUT OF ROW, EQUIPMENT FAILURE, UNKNOWN (NON WEATHER), SCHEDULED COMPANY, OTHER, WEATHER - LIGHTNING, TREE REMOVAL (NON AEP), CUST. EQUIPMENT > 1 CUSTOMER, ERROR - OPERATIONS, TREE INSIDE ROW, WEATHER - ICE (1/2 INCH OR > 6" SNOW), WEATHER - UNKNOWN	37.04, 19.75, 16.05, 11.11, 3.7, 3.7, 2.47, 1.23, 1.23, 1.23, 1.23, 1.23	Planned cutout replacements for 2017.	One Equipment Failure outage, caused by a failed cutout in the station, affected the entire circuit. This outage accounted for 28% of the total SAIFI and 9% of the total SAIDI. One Tree Out of ROW outage, that affected the entire circuit, accounted for 28% of the total SAIFI and 23% of the total SAIDI.
19	Ashland	3003702	Coalton	Cannonsburg	137 S Big Run Rd	US 60, SR 180, parts of Cannonsburg	28.80	516	Prior to 2010	238.7	190.5	2.120	2.556	UNKNOWN (NON WEATHER), EQUIPMENT FAILURE, TREE INSIDE ROW, TREE OUT OF ROW, SCHEDULED COMPANY, WEATHER - UNKNOWN, ANIMAL - BIRD, OTHER, VINE	29.41, 20.59, 20.59, 8.82, 5.88, 5.88, 2.94, 2.94, 2.94	No further actions planned for 2017.	One Equipment Failure outage, caused by a failed cutout in the station, affected the entire circuit. This outage accounted for 38% of the total SAIFI and 21% of the total SAIDI. One Equipment Failure outage, caused by a failed bushing on the feeder breaker, affected the entire circuit. This outage accounted for 38% of the total SAIFI and 31% of the total SAIDI.
20	Ashland	3003703	Coalton	Trace Creek	137 S Big Run Rd	Trace Road, Four Mile Rd, SR 3, SR 854, Rush	92.34	832	Prior to 2010	346.6	435.0	2.043	2.708	TREE OUT OF ROW, EQUIPMENT FAILURE, TREE INSIDE ROW, UNKNOWN (NON WEATHER), SCHEDULED COMPANY, WEATHER - UNKNOWN, OTHER, WEATHER - LIGHTNING, ANIMAL - BIRD, SCHEDULED OUTSIDE REQUEST > 1 CUSTOMER, VINE	20.83, 19.44, 19.44, 13.89, 8.33, 8.33, 2.78, 2.78, 1.39, 1.39, 1.39	Planned cutout replacements for 2017.	One Equipment Failure outage, caused by a failed cutout in the station, affected the entire circuit. This outage accounted for 37% of the total SAIFI and 10% of the total SAIDI. One Tree Out of ROW outage accounted for 3% of the total SAIFI and 20% of the total SAIDI.
21	Ashland	3004301	Siloam	Distribution	Dunaway Ln of Hwy 23	Johnson's Ln, Platt St and surrounding area	26.42	431	3/14/2015	209.2	276.9	1.240	3.420	EQUIPMENT FAILURE, OTHER, TREE OUT OF ROW, ANIMAL BUS, SCHEDULED COMPANY, UNKNOWN (NON WEATHER)	23.53, 23.53, 17.65, 11.76, 11.76, 11.76	No further actions planned for 2017.	Three outages occurred in 2016 that affected the entire circuit. These three outages accounted for 91% of the total SAIFI and 85% of the total SAIDI. One was an Animal Bus outage caused by an animal that contacted the 12kV bus in the station. One was an Equipment Failure outage caused by a failed cutout in the station. One was a Scheduled Company outage to perform maintenance in the station.
22	Ashland	3007903	Busseyville	Louisa	Issac Park Rd, between SR 32 and US 23	SR 32, Five Forks Rd, US 23,	51.51	613	Prior to 2010	357.3	711.1	2.078	1.579	TREE OUT OF ROW, EQUIPMENT FAILURE, SCHEDULED COMPANY, TREE INSIDE ROW, WEATHER - ICE (1/2 INCH OR > 6" SNOW), WEATHER - LIGHTNING, OTHER, UNKNOWN (NON WEATHER), VINE, WEATHER - UNKNOWN, FIRE - AEP, OR AFFECTING > 1 CUSTOMER, VANDALISM, WEATHER - TORNADO, WEATHER - HIGH WINDS (EXCEEDING 60 MPH)	23.53, 15.69, 9.8, 7.84, 7.84, 7.84, 5.88, 5.88, 3.92, 3.92, 1.96, 1.96, 1.96, 1.96	Projected tree clearing for 2017.	Tree Out of ROW outages accounted for 31% of the total SAIFI and 50% of the total SAIDI. Weather based outages accounted for 18% of total SAIFI and 41% of total SAIDI.
23	Ashland	3007904	Busseyville	Torchlite	Issac Park Rd, between SR 32 and US 23	US 23, Charley, SR 645, SR 581	112.01	962	12/31/2015	826.7	1333.0	3.758	5.626	TREE OUT OF ROW, EQUIPMENT FAILURE, UNKNOWN (NON WEATHER), WEATHER - UNKNOWN, WEATHER - ICE (1/2 INCH OR > 6" SNOW), SCHEDULED COMPANY, TREE INSIDE ROW, VEHICLE ACCIDENT (NON AEP), WEATHER - LIGHTNING, OTHER, VANDALISM, VINE	34.18, 15.19, 11.39, 8.86, 6.33, 5.06, 5.06, 3.8, 3.8, 2.53, 2.53, 1.27	No further actions planned for 2017.	Tree Out of ROW outages accounted for 64% of the total SAIFI and 71% of the total SAIDI.

24	Ashland	3007905	Busseyville	Mattie	Issac Park Rd, between SR 32 and US 23	SR 32, SR 3215, Left Fork Little Blaine Creek Rd	102.64	713	3/25/2017	759.7	1587.9	3.033	1.729	TREE OUT OF ROW, UNKNOWN (NON WEATHER), WEATHER - ICE (1/2 INCH OR > 6" SNOW), WEATHER - UNKNOWN, EQUIPMENT FAILURE, OTHER, CUST. EQUIPMENT > 1 CUSTOMER, FOREIGN OBJECT (NON ANIMAL), TREE INSIDE ROW, TREE REMOVAL (NON AEP), VINE, WEATHER - LIGHTNING	43.28, 16.42, 14.93, 7.46, 5.97, 2.99, 1.49, 1.49, 1.49, 1.49, 1.49, 1.49	Continue the tree clearing that was started in 2016.	Tree Out of ROW outages accounted for 76% of the total SAIFI and 78% of the total SAIDI.
25	Ashland	3008702	Cannonsburg	Route 3	Off Pondersa Dr	Dog Fork, Rt 3, Mockingbird Rd	124.76	1927	2/1/2013	374.3	292.3	2.250	2.975	EQUIPMENT FAILURE, UNKNOWN (NON WEATHER), TREE OUT OF ROW, OTHER, SCHEDULED COMPANY, ANIMAL - NON BIRD, TREE INSIDE ROW, VEHICLE ACCIDENT (NON AEP), VINE, WEATHER - LIGHTNING, ERROR - FIELD, FOREIGN OBJECT (NON ANIMAL), SCHEDULED OUTSIDE REQUEST > 1 CUSTOMER, UG CONST. /DIG-INS (NON AEP), WEATHER - HIGH WINDS (EXCEEDING 60 MPH)	28.18, 18.18, 15.45, 8.18, 7.27, 5.45, 3.64, 3.64, 3.64, 1.82, 0.91, 0.91, 0.91, 0.91, 0.91	Planned cutout replacements for 2017.	Equipment Failure outages accounted for 70% of the total SAIFI and 50% of the total SAIDI. Most of these were caused by failed cutouts and surge arrestors.
26	Ashland	3010602	Russell	Bear Run	Just off US 23, along Ashland Dr	US 23, Shopping Plazas off Diedrich Blvd, City of Russell	17.04	735	5/28/2016	253.8	138.3	1.850	2.152	EQUIPMENT FAILURE, UNKNOWN (NON WEATHER), SCHEDULED COMPANY, WEATHER - LIGHTNING, TREE INSIDE ROW, TREE OUT OF ROW, ERROR - FIELD, FIRE - AEP, OR AFFECTING > 1 CUSTOMER, VEHICLE ACCIDENT (NON AEP), VINE	18.18, 18.18, 13.64, 13.64, 9.09, 9.09, 4.55, 4.55, 4.55, 4.55	No further actions planned for 2017.	One Fire AEP outage caused by a brush fire that damaged transmission structures affected the entire circuit. This one outage accounted for 47% of the total SAIFI and 37% of the total SAIDI.
27	Ashland	3010603	Russell	Ashland Oil	Just off US 23, along Ashland Dr	Ashland Dr	1.35	6	12/30/2015	74.5	51.0	0.600	1.000	FIRE - AEP, OR AFFECTING > 1 CUSTOMER	100	No further actions planned for 2017.	One Fire AEP outage caused by a brush fire that damaged transmission structures affected the entire circuit. This was the only outage on the circuit during 2016.
28	Ashland	3101701	Raceland	CSX Car Shop	Off CSX Safeway Dr	Progress Rail Raceland Corp	0.01	1	N/A	89.0	95.0	0.400	1.000	WEATHER - UNKNOWN	100	No further actions planned for 2017.	One Weather Unknown outage affected the entire circuit. This was the only outage on the circuit during 2016.
29	Ashland	3103101	Olivehill	Globe	Olive Hill, along US 60	US 60, Smith Run, Rose Rd, SR 1662, Globe, Fleming Fk	134.35	1226	12/25/2011	363.6	1547.6	1.430	1.751	EQUIPMENT FAILURE, UNKNOWN (NON WEATHER), WEATHER - LIGHTNING, TREE OUT OF ROW, OTHER, SCHEDULED COMPANY, WEATHER - UNKNOWN, ERROR - FIELD, FOREIGN OBJECT (NON ANIMAL), TREE REMOVAL (NON AEP), UG CONST. /DIG-INS (NON AEP), VINE, WEATHER - ICE (1/2 INCH OR > 6" SNOW)	22.41, 18.97, 17.24, 15.52, 5.17, 5.17, 5.17, 1.72, 1.72, 1.72, 1.72, 1.72, 1.72	No further actions planned for 2017.	One Tree Out of ROW outage accounted for 57% of the total SAIFI and 87% of the total SAIDI. This was a long outage to replace a broken buckarm pole that was in a difficult location on a hillside away from the road.
30	Ashland	N3113601	Worthington	CSX Weld Shop	Edsel Ave, CS5066	CSX Weld Shop	0.03	1	N/A	75.2	152.0	0.400	1.000	FIRE - AEP, OR AFFECTING > 1 CUSTOMER	100	No further actions planned for 2017.	One Fire AEP outage caused by a brush fire that damaged transmission structures affected the entire circuit. This was the only outage on the circuit during 2016.
31	Ashland	3116101	Grayson	Lansdowne	Off Interstate 64 near Kentucky Christian University	Parts of City of Grayson, Carol Malone Blvd, E Midland Trail, SR 1 - Grayson	46.38	1,163	5/14/2016	242.3	262.0	1.462	1.949	UNKNOWN (NON WEATHER), EQUIPMENT FAILURE, SCHEDULED COMPANY, TREE OUT OF ROW, WEATHER - LIGHTNING, WEATHER - UNKNOWN, OTHER, TREE INSIDE ROW, ERROR - FIELD, VEHICLE ACCIDENT (NON AEP)	24.49, 20.41, 18.37, 8.16, 8.16, 8.16, 4.08, 4.08, 2.04, 2.04	Continue the tree clearing that was started in 2016.	One Equipment Failure outage, that affected the entire circuit, accounted for 51% of the total SAIFI and 43% of the total SAIDI. This was caused by a failed 69kV potential transformer that interrupted transmission service to Grayson Station.
32	Ashland	3116102	Grayson	Dixiepark	Off Interstate 64 near Kentucky Christian University	Interstate Dr, Robert & Mary Drive, S SHWY 1	42.37	1,377	3/5/2016	101.4	247.8	0.993	1.646	UNKNOWN (NON WEATHER), EQUIPMENT FAILURE, WEATHER - UNKNOWN, OTHER, TREE OUT OF ROW, SCHEDULED COMPANY, ERROR - OPERATIONS, FIRE - AEP, OR AFFECTING > 1 CUSTOMER, OVERLOAD, TREE REMOVAL (NON AEP), WEATHER - HIGH WINDS (EXCEEDING 60 MPH)	38, 20, 10, 8, 8, 6, 2, 2, 2, 2, 2	Continue the tree clearing that was started in 2016.	One Equipment Failure outage, that affected the entire circuit, accounted for 61% of the total SAIFI and 47% of the total SAIDI. This was caused by a failed 69kV potential transformer that interrupted transmission service to Grayson Station.



33	Ashland	3117601	Princess	Meade Station	Off Paul Coffey Blvd, along Mackey Ln	Parts of Cannonsburg, US 60, Meade Springer Rd, Shopes Creek Rd	15.94	1,495	4/30/2016	280.6	389.2	1.329	1.982	TREE OUT OF ROW, EQUIPMENT FAILURE, OTHER, UNKNOWN (NON WEATHER), TREE INSIDE ROW, SCHEDULED COMPANY, WEATHER - LIGHTNING, WEATHER - UNKNOWN, ANIMAL - NON BIRD, SCHEDULED OUTSIDE REQUEST > 1 CUSTOMER, ERROR - FIELD, ERROR - OPERATIONS, UG CONST. /DIG-INS (NON AEP)	18.92, 17.57, 14.86, 13.51, 9.46, 6.76, 5.41, 4.05, 2.7, 2.7, 1.35, 1.35, 1.35	Planned cutout replacements for 2017. Continue the tree clearing that was started in 2016.	Tree Out of ROW outages accounted for 71% of the total SAIFI and 77% of the total SAIDI. One Tree Out of ROW outage, that affected the entire circuit, accounted for 50% of the total SAIFI and 12% of the total SAIDI.
34	Ashland	3117602	Princess	Route 180	Off Paul Coffey Blvd, along Mackey Ln	SR 5, Straight Creek Road, Buena Vista Dr, East Park Industrial Sites	24.73	300	7/23/2016	269.6	338.6	1.457	0.470	OTHER, EQUIPMENT FAILURE, TREE INSIDE ROW, UNKNOWN (NON WEATHER), SCHEDULED COMPANY, VEHICLE ACCIDENT (NON AEP), WEATHER - HIGH WINDS (EXCEEDING 60 MPH)	50, 11.11, 11.11, 11.11, 5.56, 5.56, 5.56	No further actions planned for 2017.	One Weather High Winds outage accounted for 71% of the total SAIFI and 90% of the total SAIDI.
35	Pikeville	3200201	Barrenshe	Freeburn	Near State Highway 194 E, Freeburn	Freeburn, Board Tree, Phelps.	17.4	330	7/23/2016	725.0	558.8	3.704	4.306	TREE INSIDE ROW, SCHEDULED COMPANY, EQUIPMENT FAILURE, OTHER, UNKNOWN (NON WEATHER), TREE OUT OF ROW, WEATHER - UNKNOWN	36.84, 21.05, 10.53, 10.53, 10.53, 5.26, 5.26	No further actions planned for 2017.	One Scheduled Company Outage accounted for 25% of the total SAIFI and 24% of the total SAIDI.
36	Pikeville	3200301	Belfry	Belfry	Near US Highway 119 N, Belfry	Belfry, Forest Hill, Huddy	23.74	549	8/20/2016	447.8	354.4	3.270	4.304	EQUIPMENT FAILURE, TREE OUT OF ROW, TREE INSIDE ROW, SCHEDULED COMPANY, UNKNOWN (NON WEATHER)	40, 25, 20, 10, 5	No further actions planned for 2017.	Two Tree out of ROW outages accounted for 35% of the total SAIFI and 47% of total SAIDI.
37	Pikeville	3200302	Belfry	Toler	Near US Highway 119 N, Belfry	Belfry, Forest Hill, Toler, Hardy	39.48	815	12/30/2015	415.4	481.8	3.146	3.751	TREE OUT OF ROW, EQUIPMENT FAILURE, ANIMAL - BIRD, SCHEDULED COMPANY, ANIMAL - NON BIRD, TREE INSIDE ROW, UNKNOWN (NON WEATHER), TREE REMOVAL (NON AEP), VANDALISM, VEHICLE ACCIDENT (NON AEP), VINE, WEATHER - UNKNOWN	23.33, 16.67, 13.33, 10, 6.67, 6.67, 6.67, 3.33, 3.33, 3.33, 3.33, 3.33	No further actions planned for 2017.	Seven Tree Out of ROW outages accounted for 38% of the total SAIFI and 39% of total SAIDI. One Scheduled Company outage accounted for 27% of the total SAIFI and 45% of total SAIDI.
38	Pikeville	3201001	Tom Watkins	Distribution	Pond Creek Road, McAndrew	Stone, McAndrew, Pinsonfork, McVeigh	39.39	844	Prior to 2010	397.6	1516.9	1.648	5.852	TREE OUT OF ROW, EQUIPMENT FAILURE, TREE INSIDE ROW, OTHER, TREE REMOVAL (NON AEP), UNKNOWN (NON WEATHER), VINE, WEATHER - UNKNOWN, ERROR - FIELD, ANIMAL - BIRD, SCHEDULED COMPANY, WEATHER - FLOOD/SLIDE	32.2, 16.95, 11.86, 8.47, 6.78, 5.08, 5.08, 5.08, 3.39, 1.69, 1.69, 1.69	Consult with Forestry to address the tree issues on this circuit.	Nineteen Tree Out of ROW Outages and seven Tree Inside ROW accounted for 46% of the total SAIFI and 61% of the total SAIDI. Two Equipment Failure outages accounted for 11% of the total SAIFI and 18% of total SAIDI.
39	Pikeville	3202203	Lovely	Mt. Sterling Branch	Near State Highway 292, Lovely	SR 292, Long Branch, Stepp Branch	16	205	2/11/2017	749.5	821.8	2.884	3.029	EQUIPMENT FAILURE, SCHEDULED COMPANY, TREE OUT OF ROW, WEATHER - UNKNOWN, UNKNOWN (NON WEATHER), ANIMAL - BIRD, ERROR - FIELD, OTHER, TREE INSIDE ROW, VEHICLE ACCIDENT (NON AEP), VINE, WEATHER - LIGHTNING	21.74, 13.04, 13.04, 13.04, 8.7, 4.35, 4.35, 4.35, 4.35, 4.35, 4.35, 4.35	No further actions planned for 2017.	One Vehicle Accident (NON AEP) outage accounted for 33% of the total SAIFI and 36% of the total SAIDI. One Scheduled Company outage accounted for 31% of the total SAIFI and 22% of total SAIDI.
40	Hazard	3300601	Bluegrass	Walkertown	Messer Branch, Hazard	Hazard, Walkertown	28.92	1219	6/30/2016	139.4	736.6	1.362	3.712	SCHEDULED COMPANY, TREE OUT OF ROW, TREE INSIDE ROW, EQUIPMENT FAILURE, VEHICLE ACCIDENT (NON AEP), CUST. EQUIPMENT > 1 CUSTOMER, UNKNOWN (NON WEATHER), ANIMAL - BIRD, ERROR - FIELD, FIRE - AEP, OR AFFECTING > 1 CUSTOMER, OTHER, VINE, WEATHER - UNKNOWN	20, 16, 14, 12, 12, 6, 6, 4, 2, 2, 2, 2	No further actions planned for 2017.	Tree Out of ROW outages accounted for 27% of the total SAIFI and 37% of the total SAIDI. Two Animal - Bird outages accounted for 39% of the total SAIFI and 22% of the total SAIDI. ROW clearing was completed in 2016.
41	Hazard	3302701	Hazard	Blackgold	East Main Street, Hazard	Left Fork of Big Creek, Highway 15, City of Hazard	55.55	412	12/29/2015	547.8	848.5	3.799	2.934	EQUIPMENT FAILURE, TREE OUT OF ROW, OTHER, TREE REMOVAL (NON AEP), UNKNOWN (NON WEATHER), WEATHER - UNKNOWN, CUST. EQUIPMENT > 1 CUSTOMER, FIRE - AEP, OR AFFECTING > 1 CUSTOMER, SCHEDULED COMPANY, WEATHER - LIGHTNING	40.74, 14.81, 7.41, 7.41, 7.41, 7.41, 3.7, 3.7, 3.7, 3.7	No further actions planned for 2017.	One Weather - Unknown outage accounted for 38% of the total SAIDI. One Customer Equipment outage accounted for 32% of the total SAIDI.

42	Hazard	3302703	Hazard	Hazard	East Main Street, Hazard	Hazard, Woodland Park	11.22	686	11/19/2015	189.3	415.6	2.927	2.434	TREE OUT OF ROW, EQUIPMENT FAILURE, SCHEDULED COMPANY, UNKNOWN (NON WEATHER), WEATHER - UNKNOWN	54.55, 13.64, 13.64, 9.09, 9.09	No further actions planned for 2017.	One Tree Outside ROW outage accounted for 55% of the total SAIDI.
43	Hazard	3303903	Leslie	Halsfork	Wooten	Hyden, Sizerock, Thousandsticks	76.92	1011	9/7/2013	1007.8	1044.0	4.141	4.888	EQUIPMENT FAILURE, TREE OUT OF ROW, TREE INSIDE ROW, OTHER, SCHEDULED COMPANY, WEATHER - LIGHTNING, UNKNOWN (NON WEATHER), VEHICLE ACCIDENT (NON AEP), VINE, WEATHER - FLOOD/SLIDE, WEATHER - UNKNOWN, ANIMAL - NON BIRD, ERROR - OPERATIONS, FIRE - AEP, OR AFFECTING > 1 CUSTOMER, SCHEDULED OUTSIDE REQUEST > 1 CUSTOMER	22.03, 22.03, 13.56, 6.78, 6.78, 5.08, 3.39, 3.39, 3.39, 3.39, 3.39, 1.69, 1.69, 1.69, 1.69	Distribution Automation (DA) is planned for this circuit.	Two Tree Outside ROW outages accounted for 28% of the total SAIFI and 36% of the total SAIDI. One Tree Inside Row outage, that affected the entire circuit, accounted for 20% of the total SAIFI and 5% of the total SAIDI.
44	Hazard	3307301	Bulan	Ary-Helner	Carriage Lane, Bulan	Bulan, Ary, Talcum	54.13	737	2/1/2013	907.1	2045.4	3.471	7.343	TREE OUT OF ROW, EQUIPMENT FAILURE, SCHEDULED COMPANY, TREE INSIDE ROW, OTHER, UNKNOWN (NON WEATHER), VEHICLE ACCIDENT (NON AEP), WEATHER - LIGHTNING, WEATHER - UNKNOWN	37.04, 14.81, 12.96, 11.11, 9.26, 9.26, 1.85, 1.85, 1.85	Review overcurrent coordination for the circuit.	Several feeder breaker outages caused the poor reliability of this circuit in 2016. Two Tree Out of ROW outages, that each affected the entire circuit, accounted for 27% of the total SAIFI and 46% of the total SAIDI. One Scheduled Company outage, that affected the entire circuit, accounted for 14% of the total SAIFI and 18% of the total SAIDI. One Scheduled Company outage for Transmission, that affected the entire circuit, accounted for 14% of the total SAIFI and 7% of the total SAIDI. One Equipment Failure outage, caused by a failed station bus insulator, affected the entire circuit. This outage accounted for 14% fo the total SAIFI and 1% of the total SAIDI.
45	Hazard	3307302	Bulan	Ajax-Dwarf	Carriage Lane, Bulan	Bulan, Dwarf	41.1	844	5/31/2013	658.2	862.2	3.131	4.727	TREE OUT OF ROW, EQUIPMENT FAILURE, SCHEDULED COMPANY, TREE INSIDE ROW, UNKNOWN (NON WEATHER), WEATHER - LIGHTNING, WEATHER - UNKNOWN, ERROR - FIELD, FIRE - AEP, OR AFFECTING > 1 CUSTOMER, OTHER, VINE	32.56, 18.6, 16.28, 9.3, 4.65, 4.65, 4.65, 2.33, 2.33, 2.33, 2.33	Review overcurrent coordination for the circuit.	Tree out of ROW outages accounted for 41% of the total SAIFI and 72% of the total SAIDI.
46	Hazard	3307303	Bulan	Lottscreek	Carriage Lane, Bulan	Bulan	2.13	27	2/15/2013	192.5	250.4	1.066	2.259	EQUIPMENT FAILURE, SCHEDULED COMPANY, TREE OUT OF ROW	60, 20, 20	No further actions planned for 2017.	Only five outages occurred on this circuit in 2016. Equipment Failure outages accounted for 52% of the total SAIFI and 43% of the total SAIDI. Scheduled Company outages accounted for 46% of the total SAIFI and 56% of the total SAIDI.
47	Hazard	3308401	Beckham	Hindman	SR 899, Beckham	Dwarf, Hindman, Emmalena	102.02534	1850	3/1/2012	646.1	721.4	3.495	3.144	EQUIPMENT FAILURE, TREE OUT OF ROW, SCHEDULED COMPANY, UNKNOWN (NON WEATHER), OTHER, WEATHER - LIGHTNING, WEATHER - UNKNOWN, TREE INSIDE ROW, TREE REMOVAL (NON AEP), VEHICLE ACCIDENT (NON AEP), ANIMAL - NON BIRD, FIRE - AEP, OR AFFECTING > 1 CUSTOMER, OVERLOAD, VINE, WEATHER - HIGH WINDS (EXCEEDING 60 MPH)	23.91, 15.22, 10.87, 10.87, 9.78, 6.52, 5.43, 4.35, 3.26, 3.26, 2.17, 1.09, 1.09, 1.09, 1.09	No further actions planned for 2017.	One Equipment Failure outage, that affected the entire circuit, accounted for 32% of the total SAIFI and 63% of the total SAIDI.
48	Hazard	3308402	Beckham	Carr Creek	SR 899, Beckham	Brinkley, Mallie, Pippa Passes, Spider, Bath, Litt Carr, Hollybush	118.35	1,875	3/14/2014	792.2	796.8	3.643	4.453	TREE OUT OF ROW, EQUIPMENT FAILURE, UNKNOWN (NON WEATHER), OTHER, TREE INSIDE ROW, SCHEDULED COMPANY, VEHICLE ACCIDENT (NON AEP), TREE REMOVAL (NON AEP), WEATHER - UNKNOWN, ERROR - FIELD, FIRE - AEP, OR AFFECTING > 1 CUSTOMER, WEATHER - LIGHTNING	30, 21, 12, 10, 9, 6, 5, 2, 2, 1, 1, 1	No further actions planned for 2017.	Twenty six Tree Out of ROW outages accounted for 46% of the total SAIFI and to 46% of the total SAIDI.

49	Hazard	3308502	Bonnyman	Hazard	Typo Rd, Bonnyman	Bonnyman, parts of Hazard	43.49	921	5/31/2013	271.5	571.5	2.812	3.097	EQUIPMENT FAILURE, TREE OUT OF ROW, SCHEDULED COMPANY, VINE, OTHER, TREE INSIDE ROW, WEATHER - UNKNOWN, SCHEDULED OUTSIDE REQUEST > 1 CUSTOMER, UNKNOWN (NON WEATHER), VEHICLE ACCIDENT (NON AEP)	28.57, 23.81, 14.29, 9.52, 7.14, 4.76, 4.76, 2.38, 2.38, 2.38	No further actions planned for 2017.	One Equipment Failure outage, that affected the entire circuit, was caused by a failed connector in the station. Another Equipment Failure outage, that affected the entire circuit was caused by pole. These two outages accounted for 64% of the total SAIFI and 60% of the total SAIDI.
50	Hazard	3308503	Bonnyman	Bigcreek	Typo Rd, Bonnyman	Typo, Bigcreek	86.17	1,470	10/1/2012	898.2	971.1	4.109	2.786	TREE OUT OF ROW, EQUIPMENT FAILURE, TREE INSIDE ROW, OTHER, SCHEDULED COMPANY, WEATHER - UNKNOWN, FIRE - AEP, OR AFFECTING > 1 CUSTOMER, UNKNOWN (NON WEATHER), VINE, ANIMAL - NON BIRD, CUST. EQUIPMENT > 1 CUSTOMER, ERROR - FIELD, TREE REMOVAL (NON AEP), VEHICLE ACCIDENT (NON AEP), WEATHER - LIGHTNING	31.25, 26.56, 7.81, 6.25, 4.69, 4.69, 3.13, 3.13, 3.13, 1.56, 1.56, 1.56, 1.56, 1.56, 1.56	Additional regulators will be installed to improve partial restoration capabilities during an outage. Tree clearing to start in 2017.	One Equipment Failure outage, that affected the entire circuit, was caused by a failed connector in the station. This outage accounted for 32% of the total SAIFI and 52% of the total SAIDI.
51	Hazard	3308603	Collier	Smootcr	Collier	Jeremiah	81.18	955	12/24/2014	625.5	636.0	3.537	3.096	UNKNOWN (NON WEATHER), TREE OUT OF ROW, OTHER, EQUIPMENT FAILURE, SCHEDULED COMPANY, TREE REMOVAL (NON AEP), VEHICLE ACCIDENT (NON AEP), WEATHER - UNKNOWN, TREE INSIDE ROW, VINE, WEATHER - LIGHTNING	22.58, 20.97, 17.74, 16.13, 6.45, 4.84, 3.23, 3.23, 1.61, 1.61, 1.61	Rebuild and relocate a large section of aged conductor to better accessible location.	Thirteen Tree Out of ROW outages accounted for 46% of the total SAIFI and 61% of the total SAIDI.
52	Hazard	3309003	Jeff	Viper	SR 7, Jeff	Jeff, Viper,	43.29	1020	9/30/2014	117.7	433.8	0.668	2.024	TREE OUT OF ROW, OTHER, EQUIPMENT FAILURE, TREE INSIDE ROW, UNKNOWN (NON WEATHER), SCHEDULED COMPANY, SCHEDULED OUTSIDE REQUEST > 1 CUSTOMER, VINE, WEATHER - UNKNOWN, ERROR - OPERATIONS, FIRE - AEP, OR AFFECTING > 1 CUSTOMER, TREE REMOVAL (NON AEP), VEHICLE ACCIDENT (NON AEP)	29.63, 14.81, 11.11, 7.41, 7.41, 5.56, 5.56, 5.56, 5.56, 1.85, 1.85, 1.85, 1.85	No further actions planned for 2017.	A true five year average has yet to be established for this circuit. In June 2014, Jeff Station was converted from 12.47kV to 34.5kV resulting in a new circuit configuration. Fourteen Tree Out of ROW outages accounted for 35% of the total SAIFI and 32% of the total SAIDI. Two Tree Inside ROW outages accounted for 17% of the total SAIFI and 47% of the total SAIDI.
53	Hazard	3309101	Whitesburg	Whitesbur	SR 931, Whitesburg	Whitesburg	9.96	594	1/19/2012	86.9	95.3	0.901	0.753	OTHER, ANIMAL - NON BIRD, SCHEDULED COMPANY, UNKNOWN (NON WEATHER), EQUIPMENT FAILURE, VINE, TREE OUT OF ROW, WEATHER - LIGHTNING, WEATHER - UNKNOWN	23.81, 14.29, 14.29, 14.29, 9.52, 9.52, 4.76, 4.76, 4.76	No further actions planned for 2017.	One Weather Unknown outage accounted for 39% of the total SAIDI. This circuit performed well compared to other circuits.
54	Hazard	3309102	Whitesburg	Hospital	SR 931, Whitesburg	Whitesburg, including hospital	8.12	225	9/21/2013	111.8	130.2	0.866	1.680	EQUIPMENT FAILURE, TREE OUT OF ROW, SCHEDULED COMPANY, UNKNOWN (NON WEATHER)	58.33, 25, 8.33, 8.33	A storm hardening project will rebuild and relocate more than 10kF of the main feeder in 2017.	One Tree Out of ROW outage accounted for 70% of the total SAIDI. One Equipment Failure outage accounted for 52% of the total SAIFI. This circuit performed well compared to other circuits.
55	Hazard	3309104	Whitesburg	Crafts Colley	SR 931, Whitesburg	Whitesburg, Sandlick Gap, Licking Rock Branch	27.84	544	2/10/2016	275.3	597.0	1.749	2.347	TREE OUT OF ROW, EQUIPMENT FAILURE, SCHEDULED COMPANY, TREE INSIDE ROW, UNKNOWN (NON WEATHER), OTHER, VANDALISM, VEHICLE ACCIDENT (NON AEP), VINE, WEATHER - LIGHTNING	29.63, 22.22, 14.81, 7.41, 7.41, 3.7, 3.7, 3.7, 3.7, 3.7	No further actions planned for 2017.	Six Equipment Failure outages accounted for 28% of the total SAIFI and 29% of the total SAIDI. Four Scheduled Company outages accounted for 38% of the total SAIFI and 23% of the total SAIDI. Two Tree Inside ROW outages accounted for 10% of the total SAIFI and 25% of the total SAIDI. Eight Tree out of ROW outages accounted for 19% of the total SAIFI and 22% of the total SAIDI.
56	Hazard	3309301	Vicco	Redfox	Rowdy Hollow, Vicco	Vicco, Sassafras, Redfox, Littcarr, Amelia	48.72	542	1/6/2015	442.4	669.4	2.098	3.205	TREE OUT OF ROW, OTHER, UNKNOWN (NON WEATHER), EQUIPMENT FAILURE, TREE INSIDE ROW, SCHEDULED COMPANY, VANDALISM, WEATHER - UNKNOWN	26.47, 20.59, 20.59, 17.65, 5.88, 2.94, 2.94, 2.94	No further actions planned for 2017.	One Tree Out of ROW affected the entire circuit and one Unknown Non Weather outage affected the entire circuit. These two outages accounted for 62% of the total SAIFI and 55% of the total SAIDI. The unknown outage was later determined to be caused by a defective relay which was replaced.

57	Hazard	3309302	Vicco	Jeff	Rowdy Hollow, Vicco	Vicco, Happy Circle, Scuddy	85.01	1,385	Prior to 2010	549.9	558.8	2.312	3.768	TREE OUT OF ROW, TREE INSIDE ROW, EQUIPMENT FAILURE, SCHEDULED COMPANY, UNKNOWN (NON WEATHER), OTHER, WEATHER - LIGHTNING, WEATHER - UNKNOWN, FIRE - AEP, OR AFFECTING > 1 CUSTOMER, VEHICLE ACCIDENT (NON AEP), VINE, ANIMAL - NON BIRD, ANIMAL - BIRD, CUST. EQUIPMENT > 1 CUSTOMER, ERROR - FIELD, VANDALISM	28.43, 14.71, 13.73, 8.82, 6.86, 5.88, 3.92, 3.92, 2.94, 2.94, 2.94, 0.98, 0.98, 0.98, 0.98, 0.98	Tree clearing in 2017.	One Unknown Non Weather outage, that affected the entire circuit, accounted for 26% of the total SAIFI and 25% of the total SAIDI. One Equipment Failure outage accounted for 12% of the total SAIFI and 12% of the total SAIDI. Eight Tree Out of ROW outages accounted for 18% of the total SAIFI and 27% of the total SAIDI.
58	Hazard	3309902	Slemp	Leatherwood	SR 699, Slemp	Cornettsville, Slemp, Yeaddiss Road	71.19	847	Prior to 2010	1217.6	969.7	4.105	4.409	TREE OUT OF ROW, OTHER, SCHEDULED COMPANY, TREE INSIDE ROW, EQUIPMENT FAILURE, UNKNOWN (NON WEATHER), OTHER UTILITY, VANDALISM, WEATHER - UNKNOWN, ANIMAL - NON BIRD, VINE	24.29, 14.29, 14.29, 14.29, 12.86, 8.57, 2.86, 2.86, 2.86, 1.43, 1.43	No further actions planned for 2017.	Scheduled Company outages accounted for 38% of the total SAIFI. Many of these outages were requested by the Highway Department to safely drive steel near the primary conductors during roadway repairs.
59	Hazard	3310501	Haddix	Quicksand	SR 1110, Haddix	Haddix, Tumbling Branch, Lost Creek, Trace Branch, Orchard Hollow, Hardshell, Quicksand, Saldee, Noctor, Rousseua	202.37	2044	Prior to 2010	1258.1	2226.1	5.056	8.448	TREE OUT OF ROW, EQUIPMENT FAILURE, TREE INSIDE ROW, OTHER, SCHEDULED COMPANY, UNKNOWN (NON WEATHER), VINE, WEATHER - UNKNOWN, CUST. EQUIPMENT > 1 CUSTOMER, WEATHER - LIGHTNING, FIRE - AEP, OR AFFECTING > 1 CUSTOMER, VEHICLE ACCIDENT (NON AEP), WEATHER - FLOOD/SLIDE, TREE REMOVAL (NON AEP), ABNORMAL FEED	28.26, 13.59, 11.96, 9.78, 9.78, 7.61, 4.35, 3.8, 2.17, 2.17, 1.63, 1.63, 1.63, 1.09, 0.54	Tree clearing in 2017.	Two Unknown Non Weather outages occurred when a recloser locked out while in HLT (Non Reclose) while crews were working on the circuit. These two outages accounted for 24% of the total SAIFI and 10% of the total SAIDI. Tree Out of ROW outages accounted for 18% of the total SAIFI and 26% of the total SAIDI. Customer Equipment outages accounted for 18% of the total SAIFI and 26% of the total SAIDI. Two of the Customer Equipment outages were caused by the demolition of an old coal loading facility near the main three phase feeder. A large capital project was completed in 2016 that added a third feeder breaker at Haddix Station and constructed several miles of new 34kV distribution lines. This project created the new Haddix Troublesome Creek feeder. About 50% of the customers and line miles of the Quicksand Circuit have been transferred to the new Troublesome Creek Circuit.
60	Hazard	3310502	Haddix	Canoe	Haddix	Buckhorn, Canoe	125.46	1,139	Prior to 2010	1434.2	1548.1	6.604	5.902	TREE OUT OF ROW, EQUIPMENT FAILURE, OTHER, TREE INSIDE ROW, SCHEDULED COMPANY, UNKNOWN (NON WEATHER), WEATHER - UNKNOWN, VINE, FOREIGN OBJECT (NON ANIMAL), SCHEDULED OUTSIDE REQUEST > 1 CUSTOMER, ANIMAL - BIRD, FIRE - AEP, OR AFFECTING > 1 CUSTOMER, VEHICLE ACCIDENT (NON AEP), WEATHER - LIGHTNING	37.11, 16.49, 11.34, 8.25, 7.22, 4.12, 4.12, 3.09, 2.06, 2.06, 1.03, 1.03, 1.03, 1.03	Add recloser to split up 9.5 mile recloser zone. Tree clearing to be completed in 2017.	Tree Out of ROW outages accounted for 65% of the total SAIDI.
61	Hazard	3311101	Stinnett	Redbird	Greasy Creek Road, Stinnett	Essie, Stinnett, Roark, Mozelle	121.02	1,271	2/1/2012	1099.6	2595.3	4.315	9.828	TREE OUT OF ROW, TREE INSIDE ROW, SCHEDULED COMPANY, EQUIPMENT FAILURE, OTHER, VINE, TREE REMOVAL (NON AEP), WEATHER - UNKNOWN, SCHEDULED OUTSIDE REQUEST > 1 CUSTOMER, UNKNOWN (NON WEATHER), WEATHER - ICE (1/2 INCH OR > 6" SNOW), CUST. EQUIPMENT > 1 CUSTOMER, ERROR - FIELD, VEHICLE ACCIDENT (NON AEP), WEATHER - LIGHTNING	32.14, 13.39, 11.61, 9.82, 8.93, 6.25, 4.46, 3.57, 2.68, 1.79, 1.79, 0.89, 0.89, 0.89, 0.89	Correct several long span issues causing increased SAIFI and increased outage times. Add a new recloser to split up a 10 mile zone. Tree clearing to be completed in 2017.	Tree Out of ROW outages accounted for 24% of the total SAIFI and 44% of the total SAIDI. Equipment Failure outages accounted for 20% of the total SAIFI and 10% of the total SAIDI. Tree In ROW outages accounted for 17% of the total SAIFI and 14% of the total SAIDI.
62	Hazard	3311102	Stinnett	Beechfork	Greasy Creek Road, Stinnett	Mines in Mozelle	9.56	3	10/15/2011	441.5	1133.0	2.017	2.333	TREE OUT OF ROW, SCHEDULED OUTSIDE REQUEST > 1 CUSTOMER	66.67, 33.33	No further actions planned for 2017.	Only three outages occurred on this circuit in 2016. Tree Out of ROW outages contributed to 86% of SAIFI and 85% of SAIDI. Tree clearing was completed in 2016.

63	Hazard	3311401	Reedy	Deane	Big Branch Rd on the Pike side of the Pike/ Letcher county line.	Low Gap Hollow, Deane	44.45	415	10/1/2012	492.0	540.1	3.212	2.723	EQUIPMENT FAILURE, UNKNOWN (NON WEATHER), TREE INSIDE ROW, TREE OUT OF ROW, ABNORMAL FEED, OTHER, SCHEDULED COMPANY, VINE, SCHEDULED OUTSIDE REQUEST > 1 CUSTOMER	19.05, 16.67, 14.29, 14.29, 9.52, 9.52, 4.76, 2.38	No further actions planned for 2017.	One Equipment Failure outage accounted for 61% of the total SAIDI.
64	Hazard	3311701	Shamrock	Shamrock	Near Harveyton Road, Bonnyman	Hazard, Bonnyman	54.92	909	3/31/2014	572.2	933.4	3.057	3.908	TREE OUT OF ROW, EQUIPMENT FAILURE, TREE INSIDE ROW, OTHER, SCHEDULED COMPANY, FIRE - AEP, OR AFFECTING > 1 CUSTOMER, WEATHER - UNKNOWN, UNKNOWN (NON WEATHER), ERROR - OPERATIONS, VINE, WEATHER - LIGHTNING, WEATHER - HIGH WINDS (EXCEEDING 60 MPH)	34.04, 12.77, 10.64, 8.51, 8.51, 6.38, 6.38, 4.26, 2.13, 2.13, 2.13, 2.13	Relocate a large group of customer to a more reliable circuit.	Forest fire related outages accounted for 39% of the total SAIFI and 42% of the total SAIDI.
65	Hazard	3312202	Engle	Grapevine	Coal Fields Industrial Drive, Engle	Manuel, Krypton, Dunraven	102.07	1312	12/4/2014	734.0	904.9	4.810	2.226	TREE OUT OF ROW, EQUIPMENT FAILURE, UNKNOWN (NON WEATHER), WEATHER - UNKNOWN, OTHER, SCHEDULED COMPANY, TREE INSIDE ROW, SCHEDULED OUTSIDE REQUEST > 1 CUSTOMER, ANIMAL - BIRD, FIRE - AEP, OR AFFECTING > 1 CUSTOMER, TREE REMOVAL (NON AEP), VANDALISM, VEHICLE ACCIDENT (NON AEP), WEATHER - LIGHTNING, WEATHER - HIGH WINDS (EXCEEDING 60 MPH)	30.26, 19.74, 11.84, 9.21, 5.26, 5.26, 5.26, 3.95, 1.32, 1.32, 1.32, 1.32, 1.32, 1.32, 1.32	No further actions planned for 2017.	One Equipment Failure outage contributed to 25% of the total SAIDI. One Tree Out of ROW contributed to 22% of the total SAIDI.
66	Hazard	3314402	Mayking	Millstone	HWY 119, Mayking	Mayking, Thornton	53.3	955	5/14/2011	335.3	479.8	2.504	2.149	EQUIPMENT FAILURE, TREE OUT OF ROW, UNKNOWN (NON WEATHER), SCHEDULED COMPANY, OTHER, ANIMAL - NON BIRD, TREE INSIDE ROW, TREE REMOVAL (NON AEP), WEATHER - UNKNOWN, SCHEDULED OUTSIDE REQUEST > 1 CUSTOMER, VEHICLE ACCIDENT (NON AEP), VINE	25.81, 25.81, 12.9, 9.68, 8.06, 3.23, 3.23, 3.23, 3.23, 1.61, 1.61, 1.61	A project is under design to rebuild and relocate 3.5 kf of old line in remote areas to more accessible locations.	Tree Out of ROW outages accounted for 83% of the total SAIDI.
67	Pikeville	3400101	Allen	Distribution	Off KY 1428 on Gas Fork Rd. in Allen, KY	City of Allen	27.75	811	Prior to 2010	128.64863	682.4	0.783	2.469	EQUIPMENT FAILURE, SCHEDULED COMPANY, UNKNOWN (NON WEATHER), FOREIGN OBJECT (NON ANIMAL), OTHER, TREE INSIDE ROW, WEATHER - UNKNOWN, ANIMAL - NON BIRD, ERROR - FIELD, TREE OUT OF ROW	36.84, 21.05, 13.16, 5.26, 5.26, 5.26, 5.26, 2.63, 2.63, 2.63	Consideration for future cutout replacements.	One Equipment Failure outage, caused by a failed cutout, affected the entire circuit. This one outage accounted for 42% of the total SAIFI and 63% total SAIDI.
68	Pikeville	3400303	Betsy Layne	Harold	Off US 23, Scalf Road, Betsy Layne	Harold Community US 23	55.76	1,628	6/20/2015	270.15308	514.9	1.928	1.689	TREE INSIDE ROW, EQUIPMENT FAILURE, TREE OUT OF ROW, OTHER, UNKNOWN (NON WEATHER), VINE, WEATHER - UNKNOWN, VEHICLE ACCIDENT (NON AEP), WEATHER - LIGHTNING, SCHEDULED COMPANY	29.49, 21.79, 17.95, 7.69, 7.69, 5.13, 3.85, 2.56, 2.56, 1.28	Planned cutout replacements for 2017	One Tree Outside ROW outage accounted for 53% of total SAIFI and 68% of total CAIDI.
69	Pikeville	3400602	Burton	Wheelwright	Off SR 122, Burton	Wheelwright Melvin	20.9	732	Prior to 2010	347.04129	636.9	1.883	1.908	OTHER, TREE OUT OF ROW, EQUIPMENT FAILURE, SCHEDULED COMPANY, VEHICLE ACCIDENT (NON AEP), ANIMAL - BIRD, FIRE - AEP, OR AFFECTING > 1 CUSTOMER, WEATHER - UNKNOWN	30.43, 26.09, 13.04, 8.7, 8.7, 4.35, 4.35, 4.35	No further actions planned for 2017.	One Weather-Unknown outage, that affected the entire circuit, accounted for 52% of the total SAIFI and 60% of total SAIDI.
70	Pikeville	3400701	Draffin	Belcher	Road Creek Road, Elkhorn Ckty	Belcher, DunlearyRe	26.87	412	Prior to 2010	279.15118	631.7	2.147	2.364	EQUIPMENT FAILURE, FIRE - AEP, OR AFFECTING > 1 CUSTOMER, TREE OUT OF ROW, OTHER, WEATHER - UNKNOWN, SCHEDULED COMPANY, UNKNOWN (NON WEATHER), VINE, TREE INSIDE ROW, VEHICLE ACCIDENT (NON AEP)	15.38, 15.38, 15.38, 11.54, 11.54, 7.69, 7.69, 7.69, 3.85, 3.85	No further actions planned for 2017.	There was one Fire-AEP outage, caused by a house fire that interrupted the entire circuit. This one outage accounted for 42% of the total SAIFI and 75% of the total SAIDI.
71	Pikeville	3400702	Draffin	Yellowhil	Road Creek Road, Elkhorn Ckty	Regina, Wolfpit	15.15	293	Prior to 2010	868.24937	417.9	2.440	3.300	SCHEDULED COMPANY, TREE INSIDE ROW, OTHER, EQUIPMENT FAILURE, WEATHER - UNKNOWN, ERROR - FIELD, FIRE - AEP, OR AFFECTING > 1 CUSTOMER, TREE OUT OF ROW, UNKNOWN (NON WEATHER), VEHICLE ACCIDENT (NON AEP), VINE	29.17, 16.67, 12.5, 8.33, 8.33, 4.17, 4.17, 4.17, 4.17, 4.17, 4.17	No further actions planned for 2017.	There was one Fire-AEP outage, caused by a wild fire, that interrupted the entire circuit. This one outage accounted for 30% of the total SAIFI and 23% of total SAIDI.

72	Pikeville	3401001	Elwood	Dorton	SR 610 near Elswicks Br	Myra, Dorton, Lionelli, Jonancy	54.93	822	10/3/2015	586.59766	1415.9	3.627	6.959	EQUIPMENT FAILURE, VINE, UNKNOWN (NON WEATHER), TREE OUT OF ROW, WEATHER - UNKNOWN, SCHEDULED COMPANY, TREE REMOVAL (NON AEP), OTHER, TREE INSIDE ROW	29.73, 16.22, 13.51, 10.81, 10.81, 8.11, 5.41, 2.7, 2.7	No further actions planned for 2017.	Four Equipment Failure outages accounted for 31% of the total SAIFI and 42% of the total CAIDI. Two Weather-Unknown outages accounted for 25% of the total SAIFI and 23% of the total SAIDI.
73	Pikeville	3401101	Falcon	Falc-Oills	Highway 460 W, Salyersville	Oil Springs Riceville	48.72	645	10/17/2015	559.22253	590.9	2.475	3.426	TREE OUT OF ROW, EQUIPMENT FAILURE, ANIMAL - NON BIRD, TREE INSIDE ROW, TREE REMOVAL (NON AEP), OTHER UTILITY, WEATHER - FLOOD/SLIDE	31.58, 21.05, 15.79, 10.53, 10.53, 5.26, 5.26	No further actions planned for 2017.	One Tree Out of ROW outage on the Transmission Line feeding this station accounted for 29% of the total SAIFI and 11% of the total SAIDI. One Tree Removal - Non AEP outage on the Transmission Line feeding this station, caused by a logging company, accounted for 29% of the total SAIFI and 22% of the total SAIDI. One Tree Out of ROW, that affected the entire circuit, accounted for 29% of the total SAIFI and 35% of the total SAIDI.
74	Pikeville	3401102	Falcon	Salyersvi	Highway 460 W, Salyersville	W, Salyersville Elk Creek Rd.	44.84	1,242	Prior to 2010	391.6629	271.0	2.063	2.393	EQUIPMENT FAILURE, UNKNOWN (NON WEATHER), OTHER, TREE OUT OF ROW, WEATHER - LIGHTNING, ANIMAL - NON BIRD, TREE INSIDE ROW, TREE REMOVAL (NON AEP), ERROR - FIELD, FIRE - AEP, OR AFFECTING > 1 CUSTOMER, FOREIGN OBJECT (NON ANIMAL), SCHEDULED COMPANY	23.08, 15.38, 10.26, 10.26, 10.26, 7.69, 7.69, 5.13, 2.56, 2.56, 2.56, 2.56	No further actions planned for 2017.	One Tree Out of ROW outage on the Transmission Line feeding this station accounted for 42% of the total SAIFI and 24% of the total SAIDI. One Tree Removal - Non AEP outage on the Transmission Line feeding this station, caused by a logging company, accounted for 42% of the total SAIFI and 49% of the total SAIDI.
75	Pikeville	3401103	Falcon	Burningfk	Highway 460 W, Salyersville	Burning Fork Rd. Mountain. Pkw	73.95	1,373	11/14/2015	487.94852	924.5	2.093	4.331	EQUIPMENT FAILURE, SCHEDULED COMPANY, OTHER, TREE OUT OF ROW, TREE INSIDE ROW, UNKNOWN (NON WEATHER), VINE, OVERLOAD, VANDALISM, ANIMAL - BIRD, CUST. EQUIPMENT > 1 CUSTOMER, TREE REMOVAL (NON AEP), WEATHER - LIGHTNING, WEATHER - UNKNOWN	26.32, 23.68, 11.84, 11.84, 5.26, 5.26, 3.95, 2.63, 2.63, 1.32, 1.32, 1.32, 1.32, 1.32	No further actions planned for 2017.	One Tree Out of ROW outage on the Transmission Line feeding this station accounted for 23% of the total SAIFI and 7% of the total SAIDI. One Tree Removal - Non AEP outage on the Transmission Line feeding this station, caused by a logging company, accounted for 23% of the total SAIFI and 15% of the total SAIDI. One Tree Out of ROW, that affected the entire circuit, accounted for 23% of the total SAIFI and 42% of the total SAIDI.
76	Hazard	3401301	Fleming	Neon	SR 343, Fleming Rd, off Arlie Hall Dr	SR 343, Fleming Rd, SR 317, Fleming Neon	20.24	736	11/12/2016	524.28522	380.2	1.805	2.996	SCHEDULED COMPANY, EQUIPMENT FAILURE, UNKNOWN (NON WEATHER), TREE INSIDE ROW, TREE OUT OF ROW, TREE REMOVAL (NON AEP), OTHER, WEATHER - UNKNOWN, VANDALISM	30.77, 15.38, 12.82, 10.26, 10.26, 7.69, 5.13, 5.13, 2.56	Additional switches will be installed to improve partial restoration capabilities during outages.	Scheduled Company outages contibuted to 69% of the total SAIFI.
77	Pikeville	3401703	Henryclay	Ashcamp	Marrowbone, Creek, Elkhorn City	Ashcamp, Hellier	53.2	785	11/8/2014	417.18328	658.9	2.599	3.066	TREE INSIDE ROW, EQUIPMENT FAILURE, TREE OUT OF ROW, VINE, SCHEDULED COMPANY, WEATHER - UNKNOWN, UNKNOWN (NON WEATHER), TREE REMOVAL (NON AEP), OTHER, VEHICLE ACCIDENT (NON AEP), WEATHER - LIGHTNING, ANIMAL - BIRD, ERROR - OPERATIONS, VANDALISM, WEATHER - HIGH WINDS (EXCEEDING 60 MPH)	21.05, 17.11, 17.11, 12.5, 8.55, 7.24, 6.58, 2.63, 1.97, 1.32, 1.32, 0.66, 0.66, 0.66, 0.66	No further actions planned for 2017.	One Scheduled Company outage that affected the entire circuit, accounted for 34% of the total SAIFI and 52% of total SAIDI.
78	Pikeville	3401801	Index	Distribution	Off Liberty Road, West Liberty	Highway 460 West Liberty	52.1	633	3/17/2014	427.04846	562.8	1.611	2.776	TREE INSIDE ROW, EQUIPMENT FAILURE, SCHEDULED COMPANY, TREE OUT OF ROW, OTHER, TREE REMOVAL (NON AEP), UNKNOWN (NON WEATHER), ANIMAL - NON BIRD, ANIMAL - BIRD, FIRE - AEP, OR AFFECTING > 1 CUSTOMER, VANDALISM, WEATHER - LIGHTNING	22.22, 17.78, 17.78, 17.78, 4.44, 4.44, 4.44, 2.22, 2.22, 2.22, 2.22, 2.22	No further actions planned for 2017.	Two Tree out of ROW outages accounted for 28% of the total SAIFI and 42% of total SAIDI. One Tree inside ROW outage accounted for 14% of total SAIFI and 12% of total SAIDI.
79	Pikeville	3402204	Mckinney	Maytown	Off KY 122 Cow Hollow McKinney	Langley Maytown Turkey Cr.	28.60	512	4/4/2015	306.30105	614.7	2.081	1.934	SCHEDULED COMPANY, TREE OUT OF ROW, EQUIPMENT FAILURE, OTHER, FIRE - AEP, OR AFFECTING > 1 CUSTOMER, TREE INSIDE ROW, TREE REMOVAL (NON AEP), WEATHER - UNKNOWN	31.58, 23.68, 13.16, 13.16, 5.26, 5.26, 5.26, 2.63	No further actions planned for 2017.	Two Scheduled Company outages accounted for 33% of total SAIFI and 30% of total SAIDI. Two Tree Out of ROW outages accounted for 17% of the total SAIFI and 40% of the total SAIDI.

80	Pikeville	3402501	Middlecreek	Distribution	Off KY RT 404 David, KY	David	5.75	114	1/25/2014	252.29596	709.2	1.322	3.614	EQUIPMENT FAILURE, OTHER, SCHEDULED COMPANY, TREE OUT OF ROW, TREE REMOVAL (NON AEP)	42.86, 14.29, 14.29, 14.29, 14.29	Consideration for future cutout replacement.	One Tree Out of ROW outage on the Transmission Line feeding this station accounted for 28% of the total SAIFI and 10% of the total SAIDI. One Tree Removal - Non AEP outage on the Transmission Line feeding this station, caused by a logging company, accounted for 28% of the total SAIFI and 24% of the total SAIDI. One Equipment Failure, caused by a failed surge arrester on the station transformer, accounted for 28% of the total SAIFI and 54% of the total SAIDI.
81	Pikeville	3403002	Pikeville	Main Street	Just off Hambley Blvd and Williams Dr, Pikeville	Hambley Blvd, Smith Hill, Peach Orchard Dr, Kentucky Ave, Pikeville	11.38	734	3/14/2015	148.6297	203.8	1.283	1.296	OTHER, TREE OUT OF ROW, EQUIPMENT FAILURE, ANIMAL - NON BIRD, ERROR - FIELD, FOREIGN OBJECT (NON ANIMAL), SCHEDULED COMPANY, UNKNOWN (NON WEATHER), VINE, WEATHER - UNKNOWN	27.78, 22.22, 11.11, 5.56, 5.56, 5.56, 5.56, 5.56, 5.56, 5.56	No further actions planned for 2017.	One Weather-Unknown outage, that affected the entire circuit, accounted for 77% of the total SAIFI and 65% of total SAIDI.
82	Pikeville	3403201	Beaver Creek	Ligon	Junction of KY 979 and KY 122	Ligon Big Mud Creek Teaberry	21.56	1579	12/31/2015	523.06656	661.2	2.979	3.481	EQUIPMENT FAILURE, TREE OUT OF ROW, UNKNOWN (NON WEATHER), OTHER, TREE INSIDE ROW, TREE REMOVAL (NON AEP), WEATHER - UNKNOWN, VANDALISM, VINE, FIRE - AEP, OR AFFECTING > 1 CUSTOMER, WEATHER - LIGHTNING, ANIMAL - NON BIRD, ANIMAL - BIRD, ERROR - OPERATIONS, VEHICLE ACCIDENT (NON AEP)	23.46, 19.75, 17.28, 7.41, 4.94, 4.94, 4.94, 3.7, 3.7, 2.47, 2.47, 1.23, 1.23, 1.23, 1.23	No further actions planned for 2017.	One Tree Out of ROW outage accounted for 24% of total SAIFI and 23% of total SAIDI. One Tree Removal Non AEP outage accounted for 29% of total SAIFI and 29% of total SAIDI. One Weather Unknown outage accounted for 24% of total SAIFI and 23% of total SAIDI.
83	Pikeville	3403302	Prestonsburg	University	Off University Dr along Margaret St, Prestonsburg	SR 321, University Dr, US 23, Cassidy Dr	18.5	780	9/14/2013	467.47673	670.8	1.280	6.437	EQUIPMENT FAILURE, UNKNOWN (NON WEATHER), OTHER, SCHEDULED COMPANY, TREE OUT OF ROW, TREE REMOVAL (NON AEP), VINE, WEATHER - HIGH WINDS (EXCEEDING 60 MPH), ANIMAL - NON BIRD, ANIMAL - BIRD, ERROR - FIELD, TREE INSIDE ROW, VEHICLE ACCIDENT (NON AEP), WEATHER - UNKNOWN	22.92, 16.67, 12.5, 12.5, 6.25, 6.25, 6.25, 4.17, 2.08, 2.08, 2.08, 2.08, 2.08, 2.08	No further actions planned for 2017.	The poor performance of this circuit was associated with construction near the station. Two Equipment Failure outages accounted for 32% of total SAIFI and 18% of total SAIDI. Two Unknown Non Weather outages, that occurred while equipment was on Hot Line Tag (Non Reclose) during energized work, accounted for 32% of total SAIFI and 32% of total SAIDI. One Scheduled Company outage accounted for 16% of total SAIFI and 16% of total SAIDI.
84	Pikeville	3403701	Russellfork	Little Beaver Creek	Beaver Creek Road, Elkhorn Ckty	Mud Lick, Houselog Fork, Bear Hallow	16.77	132	8/20/2016	364.51369	538.7	2.640	2.265	TREE INSIDE ROW, TREE OUT OF ROW, ERROR - FIELD, EQUIPMENT FAILURE, FIRE - AEP, OR AFFECTING > 1 CUSTOMER, TREE REMOVAL (NON AEP), UNKNOWN (NON WEATHER), WEATHER - UNKNOWN	31.25, 25, 12.5, 6.25, 6.25, 6.25, 6.25, 6.25	No further actions planned for 2017.	One Tree Out of ROW outage, that affected the entire circuit, accounted for 43% of the total SAIFI and 37% of total SAIDI.
85	Pikeville	3407101	Topmost	Dema	Along SR 7, near Roaring Branch Road, Topmost	HWY 7 Dema	36.71	533	5/28/2016	204.28859	328.4	0.995	1.454	SCHEDULED COMPANY, TREE OUT OF ROW, TREE INSIDE ROW, UNKNOWN (NON WEATHER), EQUIPMENT FAILURE, WEATHER - UNKNOWN, OTHER, TREE REMOVAL (NON AEP), UG CONST. /DIG-INS (NON AEP), WEATHER - HIGH WINDS (EXCEEDING 60 MPH)	34.04, 17.02, 14.89, 12.77, 6.38, 6.38, 2.13, 2.13, 2.13, 2.13	No further actions planned for 2017.	Sixteen Scheduled Outages accounted for 57% of total SAIFI and 56% of total SAIDI.
86	Pikeville	3407102	Topmost	Caney	Along SR 7, near Roaring Branch Road, Topmost	Caney	3.11	2	12/30/2015	556.45	328.5	1.050	1.500	TREE OUT OF ROW	100	No further actions planned for 2017.	Trees Outside of ROW outages accounted for 100% of the total SAIDI and 100% of the total SAIFI for this circuit in 2016. This circuit is currently out of service with customers being fed from an alternate source.
87	Pikeville	3407103	Topmost	Kite	Along SR 7, near Roaring Branch Road, Topmost	SR 7, Roaring Branch Road, Hall Branch Road, Mullins Branch Road	25.2	354	2/4/2017	120.35201	743.4	0.713	3.630	SCHEDULED COMPANY, EQUIPMENT FAILURE, OTHER, TREE INSIDE ROW, TREE OUT OF ROW, CUST. EQUIPMENT > 1 CUSTOMER, TREE REMOVAL (NON AEP), ERROR - FIELD, UNKNOWN (NON WEATHER), WEATHER - UNKNOWN	41.67, 11.11, 11.11, 8.33, 8.33, 5.56, 5.56, 2.78, 2.78, 2.78	No further actions planned for 2017.	Three Scheduled Company outages accounted for 40% of the total SAIFI and 30% of the total SAIDI. One Tree Out of ROW outage, that affected the entire circuit, accounted for 27% of the total SAIFI and 39% of the total SAIDI.

88	Pikeville	3408101	Salisbury	Printer	Off KY 122 Printer, KY	Printer Shop Branch HWY 122	20.01	326	12/30/2015	217.67995	444.0	0.889	0.770	TREE OUT OF ROW, SCHEDULED OUTSIDE REQUEST > 1 CUSTOMER, UNKNOWN (NON WEATHER), EQUIPMENT FAILURE, OTHER, SCHEDULED COMPANY, VANDALISM	27.27, 18.18, 18.18, 9.09, 9.09, 9.09, 9.09	No further actions planned for 2017.	One Vandalism outage accounted for 43% of the total SAIFI and 74% of the total SAIDI.
89	Pikeville	3408102	Salisbury	Black Diamond	Off KY 122 Printer, KY	Coal Company	1.45	1	12/7/2013	32.6	992.0	0.200	1.000	VANDALISM	100	No further actions planned for 2017.	The same instance of vandalism for the Salisbury-Printer circuit accounted for 100% of both the total SAIFI and total SAIDI for this circuit which is part of a double circuit design.
90	Pikeville	3408103	Salisbury	Martin	Off KY 122 Printer, KY	Martin Stephens Br Bucks Br.	46.59	1101	3/18/2017	156.69332	36.1	0.819	1.125	EQUIPMENT FAILURE, SCHEDULED COMPANY, TREE OUT OF ROW, TREE INSIDE ROW, UNKNOWN (NON WEATHER), ANIMAL - NON BIRD, VEHICLE ACCIDENT (NON AEP), WEATHER - LIGHTNING	45.83, 12.5, 12.5, 8.33, 8.33, 4.17, 4.17, 4.17	No further actions planned for 2017.	One Unknown Non Weather outage, that affected the entire circuit, occurred while the breaker was on HLT (Non Recloser). This one outage accounted for 89% of the total SAIFI.
91	Pikeville	3408303	Coleman	Peter Creek	Along Calloway Branch just off Right Fork of Peter Creek (Phelps 632 Road)	Coleman, Phelps, Jamboree, Paw Paw	52.78	1022	5/14/2016	489.71765	782.5	2.464	2.854	EQUIPMENT FAILURE, TREE OUT OF ROW, UNKNOWN (NON WEATHER), VINE, OTHER, VEHICLE ACCIDENT (NON AEP), WEATHER - LIGHTNING, WEATHER - UNKNOWN	42.5, 22.5, 10, 10, 7.5, 2.5, 2.5, 2.5	No further actions planned for 2017.	One Tree Out of ROW outage, that affected the entire circuit, accounted for 35% of the total SAIFI and 60% of total SAIDI. One Weather Lightning outage occurred when lightning struck the station and tripped out the station transformer. This one outage accounted for 35% of the total SAIFI and 14% of the total SAIDI.
92	Pikeville	3409001	West Paintsville	Paintsville	Off KY Bus 40 East, near Northgate Subdivision Paintsville	Elm St. Court St. Margaret Hts	4.08	271	2/22/2014	182.00655	241.9	1.292	1.055	EQUIPMENT FAILURE, TREE OUT OF ROW, ANIMAL - NON BIRD, UNKNOWN (NON WEATHER)	42.86, 28.57, 14.29, 14.29	No further actions planned for 2017.	One Equipment Failure outage affected the entire circuit. This occurred when West Paintsville Station lost transmission service when a 69kV arrester failed at another station. This one outage accounted for 95% of the total SAIFI and 94% of the total SAIDI.
93	Pikeville	3409002	West Paintsville	Staffordsville	Off KY Bus 40 East, near Northgate Subdivision Paintsville	Staffordsville KY 40 W US 23 N	50.92	1194	4/30/2016	433.4	416.1	2.093	2.609	EQUIPMENT FAILURE, TREE OUT OF ROW, SCHEDULED COMPANY, UNKNOWN (NON WEATHER), TREE INSIDE ROW, ANIMAL - NON BIRD, OTHER, WEATHER - HIGH WINDS (EXCEEDING 60 MPH), ERROR - OPERATIONS, OTHER UTILITY	34, 18, 16, 10, 6, 4, 4, 2, 2	No further actions planned for 2017.	One Equipment Failure outage affected the entire circuit. This occurred when West Paintsville Station lost transmission service when a 69kV arrester failed at another station. This one outage accounted for 38% of the total SAIFI and 53% of the total SAIDI.
94	Pikeville	3410601	East Prestonburg	Prestonsb	Near S Lake Dr, Prestonsburg	South Lake Dr.	7.33	612	12/29/2015	246.12101	586.4	1.790	3.224	EQUIPMENT FAILURE, SCHEDULED COMPANY, TREE INSIDE ROW, UNKNOWN (NON WEATHER), WEATHER - LIGHTNING, ERROR - FIELD, TREE OUT OF ROW	33.33, 23.81, 14.29, 9.52, 9.52, 4.76, 4.76	No further actions planned for 2017.	Two Unknown Non Weather outages affected the entire circuit. These two outages accounted for 62% of the total SAIFI and 84% of the total SAIDI. An investigation revealed an incorrect relay setting for the breaker. This was corrected.
95	Pikeville	3410602	East Prestonburg	Lancer	Near S Lake Dr, Prestonsburg	S Lake Dr, Lake Rd, SR 1428, N Roberts Dr, S Roberts Dr, Goble Ln	25.26	971	Prior to 2010	185.88732	187.8	0.977	1.118	TREE OUT OF ROW, SCHEDULED COMPANY, EQUIPMENT FAILURE, FIRE - AEP, OR AFFECTING > 1 CUSTOMER, TREE INSIDE ROW, VINE, UNKNOWN (NON WEATHER), VEHICLE ACCIDENT (NON AEP)	30, 20, 10, 10, 10, 10, 5, 5	No further actions planned for 2017.	One Tree Inside ROW affected the entire circuit when tree contact near the station blew a line fuse and tripped the feeder breaker. This outage accounted for 89% of the total SAIFI and 85% of the total SAIDI. The trees on the tap line have been trimmed.
96	Pikeville	3413402	Garrett	Lackey	Near Stonecoal Rd, Garrett	Hwy 7 Hwy 550	35.04	543	2/15/2013	255.98418	667.4	1.085	2.457	TREE OUT OF ROW, TREE INSIDE ROW, EQUIPMENT FAILURE, SCHEDULED COMPANY, UNKNOWN (NON WEATHER), FIRE - AEP, OR AFFECTING > 1 CUSTOMER, OTHER, WEATHER - HIGH WINDS (EXCEEDING 60 MPH), VEHICLE ACCIDENT (NON AEP)	30.77, 19.23, 15.38, 11.54, 9.62, 3.85, 3.85, 3.85, 1.92	No further actions planned for 2017.	Tree Out of ROW outages accounted for 66% of the total SAIFI and 60% of the total SAIDI. Tree Inside ROW outages accounted for 18% of the total SAIFI and 29% of the total SAIDI. One of the Tree Out of ROW outages accounted for 35% of the total SAIFI and 22% of the total SAIDI.
97	Hazard	3420002	Soft Shell	Leburn	Raymond Smith Dr, Leburn	Softshell, Leburn, Garner, Hindman	47.52	957	9/18/2015	355.36372	538.7	1.904	2.286	OTHER, TREE OUT OF ROW, SCHEDULED COMPANY, EQUIPMENT FAILURE, WEATHER - UNKNOWN, TREE INSIDE ROW, VEHICLE ACCIDENT (NON AEP)	30.23, 23.26, 20.93, 16.28, 4.65, 2.33, 2.33	No further actions planned for 2017.	One Weather - Unknown outage contributed to 29% of the total SAIFI and 53% of the total SAIDI. One Tree Inside ROW outage contributed to 29% of the total SAIFI and 14% of the total SAIDI. Tree clearing was completed in 2016.



98	Pikeville	3420101	Mayo Trail	Nippa	Just off Euclid Ave along Ponderosa Drive	Camp Br. Boyd Br.	22.52	515	Prior to 2010	263.31515	194.5	1.714	1.911	TREE OUT OF ROW, TREE INSIDE ROW, EQUIPMENT FAILURE, ANIMAL - NON BIRD, ERROR - OPERATIONS, FIRE - AEP, OR AFFECTING > 1 CUSTOMER, OTHER, SCHEDULED COMPANY, UNKNOWN (NON WEATHER), VINE, WEATHER - LIGHTNING, WEATHER - UNKNOWN	32, 24, 8, 4, 4, 4, 4, 4, 4, 4, 4	No further actions planned for 2017.	One Equipment Failure outage affected the entire circuit. This occurred when the Mayo Trail Station lost transmission service when a 69kV arrester failed at another station. This one outage accounted for 53% of the total SAIFI and 14% of the total SAIDI.
99	Pikeville	3420103	Mayo Trail	Davis Branch	Just off Euclid Ave along Ponderosa Drive	Rose St. Riverview Dr.	33.36	1024	Prior to 2010	242.57936	234.7	0.933	3.045	TREE OUT OF ROW, EQUIPMENT FAILURE, SCHEDULED COMPANY, TREE INSIDE ROW, UNKNOWN (NON WEATHER), ANIMAL - NON BIRD, VEHICLE ACCIDENT (NON AEP), VINE, ANIMAL - BIRD, FIRE - AEP, OR AFFECTING > 1 CUSTOMER, OTHER, WEATHER - HIGH WINDS (EXCEEDING 60 MPH)	28.85, 23.08, 11.54, 11.54, 5.77, 3.85, 3.85, 3.85, 1.92, 1.92, 1.92, 1.92	No further actions planned for 2017.	One Equipment Failure outage affected the entire circuit. This occurred when the Mayo Trail Station lost transmission service when a 69kV arrester failed at another station. This one outage accounted for 33% of the total SAIFI and 12% of the total SAIDI. Tree Out of ROW outages accounted for 26% of the total SAIFI and 37% of the total SAIDI. Equipment Failure outages only accounted for 11% of the total SAIFI and 3% of the total SAIDI.
100	Pikeville	3421001	Breaks	City	Elkhorn City	Elkhorn City and Elkhorn Creek	37.7	929	Prior to 2010	269.69326	410.9	1.615	4.952	EQUIPMENT FAILURE, TREE OUT OF ROW, UNKNOWN (NON WEATHER), VINE, SCHEDULED COMPANY, WEATHER - UNKNOWN, ERROR - FIELD, TREE INSIDE ROW, OTHER	19.05, 19.05, 14.29, 14.29, 11.9, 9.52, 4.76, 4.76, 2.38	No further actions planned for 2017.	One Equipment Failure outage, due to Transmission Line, affected the entire circuit. This one outage accounted for 20% of the total SAIFI and 43% of total SAIDI. Five Scheduled Company outages accounted for 29% of the total SAIFI and 8% of the total SAIDI. Eight Tree Out of ROW outages accounted for 16% of total SAIFI and 25% of total SAIDI.
101	Pikeville	3421002	Breaks	Little Grassy	Elkhorn City	Middle Br Rd. Hwy 80 South.	4.26	37	Prior to 2010	398.81046	504.4	1.597	2.784	SCHEDULED COMPANY, EQUIPMENT FAILURE	88.89, 11.11	No further actions planned for 2017.	One Scheduled Company outage, that affected the entire circuit, accounted for 35% of the total SAIFI and 38% of total SAIDI. One Equipment Failure outage, due to Transmission Line, affected the entire circuit. This one outage accounted for 35% of the total SAIFI and 33% of total SAIDI.
102	Hazard	3451202	Beefhide	Dunham	Beefhide	Beefhide	9.9	217	3/1/2013	198.0	429.0	1.472	2.442	EQUIPMENT FAILURE, ANIMAL - NON BIRD, ANIMAL - OTHER, SCHEDULED COMPANY, TREE OUT OF ROW, UNKNOWN (NON WEATHER)	44.44, 11.11, 11.11, 11.11, 11.11, 11.11, 11.11	No further actions planned for 2017.	One Animal Other outage, due a snake on the 34kV bus, affected the entire circuit. One Unknown Non Weather outage also affected the entire circuit. These two outages accounted for 79% of the total SAIFI and 81% of the total SAIDI.