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April 28, 2021

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Linda C. Bridwell
Executive Director
Public Service Commission
211 Sower Boulevard
P.O. Box 615
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**PUBLIC SERVICE
COMMISSION**

RE: **Case No. 2011-00450**

Dear Ms. Bridwell:

Kentucky Power Company files herewith the electronic copy of its 2020 Reliability Report. It is being filed using e-mail transmission in accordance with the Commission's march 16, 2020 Order in Case No. 2020-00085.

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

Very truly yours,

Mark R. Overstreet

MRO

Electric Distribution Utility Annual Reliability Report

SECTION 1: CONTACT INFORMATION

UTILITY NAME	Kentucky Power Company
REPORT PREPARED BY	Everett G. Phillips
E-MAIL ADDRESS OF PREPARER	egphillips@aep.com
PHONE NUMBER OF PREPARER	(606) 327-2610

SECTION 2: REPORT YEAR

CALENDAR YEAR OF REPORT	2020
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SECTION 3: MAJOR EVENT DAYS

TMED	24.6748
FIRST DATE USED TO DETERMINE TMED	1-Jan-15
LAST DATE USED TO DETERMINE TMED	31-Dec-19
NUMBER OF MED IN REPORT YEAR	7

NOTE: Per IEEE 1366 TMED should be calculated using the daily SAIDI values for the five prior years. If five years of data are not available, then utilities should use what is available until five years are accumulated.

SECTION 4: SYSTEM RELIABILITY INFORMATION AND RESULTS

System Wide Information

Total Customers	<u>165,077</u>	Total Circuits	<u>230</u>
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Excluding MED

5 Year Average		Reporting Year	
SAIDI	<u>443.62</u>	SAIDI	<u>396.83</u>
SAIFI	<u>2.223</u>	SAIFI	<u>2.003</u>

Including MED

5 Year Average		Reporting Year	
SAIDI	<u>856.39</u>		<u>1910.46</u>
SAIFI	<u>2.52</u>		<u>2.63</u>

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 TMED

Electric Distribution Utility Annual Reliability Report

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

Electric Distribution Utility Annual Reliability Report

Additional pages may be attached as necessary

SECTION 6: VEGETATION MANAGEMENT PLAN REVIEW

See attached copy of Kentucky Power Company 2020 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.

SECTION 7: UTILITY COMMENTS

The year ending SAIDI of 396.83 minutes was the best performance for Kentucky Power Company since 2013. The reduced SAIDI resulted principally from reductions in outages caused by trees outside of the rights-of-way (“Tree Out of ROW”) and reductions in scheduled outages, as well increased deployment of distribution automation.

Tree Out of ROW in 2019 contributed to 51% of the Company’s SAIDI. The percentage of the Company’s SAIDI resulting from Tree Out of ROW declined ten percent in 2020 to 46%. The reduction reflected the Company’s aggressive capital project targeting circuits with high customer minutes of interruption caused by Tree Out of ROW. The project began in the Hazard District in 2018 and transitioned to the Pikeville and Ashland Districts in 2020. It is continuing in 2021.

Prior to 2020 total customer minutes of interruption (CMI) had been increasing since 2017 due to an increase in Tree Out of ROW outages. The increase in Tree Out of ROW CMI resulted from multiple factors: a mature forest with natural large tree mortality, pathogens, and above average rainfall with associated storms. Also, Tree Out of ROW outages cause more damage to the distribution facilities and require longer repair times. The 2020 reduction in Tree Out of ROW customer minutes of interruption similarly indicates that the Company’s capital project trees outside of the rights-of-way is effective in improving reliability for Company customers.

Scheduled outages accounted for 12% and 7% of the Company’s SAIDI in 2019 and 2020 respectively. The 2020 reduction in scheduled outages reflects the effect of COVID-19 considerations.

The addition of distribution automation also reduced the Company’s SAIDI. SAIDI-related reductions in customer minutes of interruption reduced the Company’s SAIDI by 18 minutes in 2019 and 26 minutes in 2020. Additional investment in distribution automation is planned for 2021.

Including Major Event Days (“MED”) in the calculation of the Five Year Average and Reporting Year SAIDI significantly the 2020 values for both calculations. The Five Year Average SAIDI including MED increased from 639.71 in 2019 to 856.39 in 2020. The Reporting Year SAIDI including MED for 2020 increased to 1910.46 from the 2019 report value of 531.16.

There were seven MED storms in 2020 compared to one MED storms in 2019. The Five Year Average and Reporting Year SAIFI including MED nevertheless did not change significantly in 2020 from the 2019 report values. The Five Year Average and Reporting Year SAIFI including MED for 2020 were 2.52 and 2.63 respectively. The 2019 report values for the same indices were 2.57 and 2.59 respectively. The flat reporting year and five year average SAIFI, coupled with the increased SAIDI for the same periods, indicates that although the frequency with which the average customer experienced outages did not change significantly, the duration of the outages increased. A major event that occurred on Easter of 2020, for example, resulted in the second most significant restoration event in Kentucky Power’s history.

Kentucky Power Company remains committed to its reliability and vegetation management programs as a means to provide and improve reliable service to its customers. In addition to the capital project to address Tree Out of ROW outages, the company continued its multi-year project to increase the penetration of Distribution Automation and Circuit Reconfiguration on its distribution grid.

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION



Single-phase right-of-way of the Hayward – Lawton circuit that serves approximately 60 customers in Elliott County.
The Hayward – Lawton was fully recleared in year 2017. This photo was taken January 13, 2020.

2020 DISTRIBUTION VEGETATION MANAGEMENT
REPORT OF KENTUCKY POWER COMPANY

April 1, 2021

In accordance with the Public Service Commission's June 22, 2015 Order in Case No. 2014-00396, as modified by its January 18, 2018 Order in Case No. 2017-00179, Kentucky Power Company provides the following report regarding the operation of its 2020 Distribution Vegetation Management Program.

Introduction and Background

Kentucky Power began its five-year distribution vegetation management cycle January 1, 2019, in accordance with the Commission's Order in Case No. 2017-00179. Vegetation growth in the Company's rights-of-way as of January 1, 2021 averages 5.03 years.

Kentucky Power is now performing cycle-based vegetation management maintenance work on its distribution rights-of-way. The principal characteristics of the Company's current distribution rights-of-way vegetation management program are:

- Vegetation within Kentucky Power's distribution system rights-of-way is re-cleared on a five-year cycle. The Company on average will re-clear approximately one fifth of the total miles of rights-of-way each year.
- Annual O&M expenditures for the five-year cycle will average approximately \$21.465 million.
- Kentucky Power will notify the Commission and obtain approval for any deviations from the filed work plan that equal or exceed ten percent of the aggregate planned O&M expenditures; and
- The one-way balancing account established by the Commission's June 22, 2015 order in Case No. 2014-00396 remains in place. Expenditures are credited against the annual budget. Any annual shortfall or excess in expenditures is to be applied to the account balance. There was a positive balance of \$127,957 as of December 31, 2020.

For 2020, planned operations and maintenance ("O&M") expenditures for targeted distribution vegetation management were \$21.473 million. For 2021 and 2022, planned O&M expenditures are \$21.733 million and \$21.578 million, respectively. The three-year average annual O&M expenditures for the period 2020-2022 is \$21,594,611. The amount of O&M embedded in base rates for vegetation management expenditures is \$21,465,163 as provided by the Commission's Order in Case No. 2017-00179.

2020 Distribution Vegetation Management Expenditures
And Rights-of-Way Work Performed

The Company's 2020 distribution vegetation management O&M expenditures were \$21,347,446 or 0.58% percent below (\$125,331) the 2020 budget of \$21,472,777.

The Company's 2020 distribution vegetation management capital expenditures were \$10,716,045. This includes capital investment made in connection with O&M expenditures as well as a right-of-way widening pilot program in the Pikeville district to combat established threats (*i.e.*, Oak Wilt disease, multiple species Root Rot, Emerald Ash Borer, White Pine Blister Rust, and Hemlock Woolly Adelgid) to Eastern Kentucky forests to limit outages caused by trees located outside the Company's rights-of-way. The total Customer Minutes of Interruption (CMI) due to Trees Outside Rights-of-Way was reduced by 28.3% in 2020 as compared to 2019 on those Pikeville District circuits where targeted widening was performed.

2020 Vegetation Management Mileage Cleared, Expenditures, and Cost / Unit

Kentucky Power's 2020 Work Plan is broken down into four major actions: cycle maintenance (field personnel completing cycle maintenance), internal personnel (provide planning and oversight), spray (future control of regrowth brush and population density of trees within Rights-of-way), and reactive maintenance (field personnel completing maintenance to circuits outside plan to address immediate vegetation-reliability issues). Table 1 below provides a comparison of the 2020 work completed, actual expenditures, and Cost / Unit to the projections contained for each of its actions in Kentucky Power's 2020 Vegetation Work Plan.

Table 1: 2020 Vegetation Work Plan						
Action Description	Targeted			Actual		
	Miles/Acres	Expenses	Cost/Unit	Miles/Acres	Expenses	Cost/Unit
Cycle Maint. (Miles)	1,642.0	\$18,535,827	\$11,289	1,597.7	\$18,465,764	\$11,558
Internal	-	\$817,500	\$498	-	\$456,089	\$285
Spray (Acres)	2,710.0	\$1,762,250	\$650	3,966.4	\$1,617,000	\$408
Reactive Maint.	-	\$357,200	\$218	-	\$154,894	\$97
TOTALS	-	\$21,472,777	\$12,654	-	\$20,693,747	\$12,348

Kentucky Power targeted 1,642.0 miles of annual cycle maintenance; it completed 1,597.7 miles (97.3%) of the 2020 targeted miles. Associated O&M expenditures were

\$18,465,764 or \$70,063 or 0.38% below the 2020 budget target of \$18,535,827. The Company's cost per unit for cycle maintenance was approximately \$269 (2.4%) more per mile than budgeted. The slightly elevated cost per unit resulted from increases in contracts for forestry vegetation (contract labor and material cost increases), as well as increased costs of roadside flagging and traffic control. Flagging expenditures increased by 13.0% in 2020 over 2019 as the Company incorporated enhanced safety measures in proximity to busy roadways. Contract labor and material costs also increased approximately 1.8% from year 2019 into 2020.

The Company targeted 2,710.0 acres of spray in 2020 and completed 2,350.8 acres (86.7% of the target) using a foliar application. An additional 1,615.6 acres of brush were treated using a cut stubble application that follows cycle maintenance clearing with a lower cost of treatment. The total acres sprayed in 2020 (3,966.4) was 46 percent above the Company's target. Integrating these two distinct approaches allows the Company to target brush regrowth inside its rights-of-way throughout the year instead of treating brush only during the growing season.

Kentucky Power's 2020 expenditures for reactive maintenance totaled (\$202,306) less than the targeted work plan. As a product of cycled maintenance clearing, reactive costs decreased nearly 45%, or \$125,976, as compared to the 2019 reactive maintenance costs. This reduction permitted the Company to direct the funds to other vegetation maintenance actions.

Internal Forestry Staff O&M expenditures totaled (\$361,411) less than the targeted work plan of \$817,500 for year 2020.

The 2020 O&M cost per unit of \$12,348 was \$306 or (2.4%) below the targeted cost per unit of \$12,654.

In 2020 Kentucky Power trimmed 61,901 trees, removed 216,903 trees, and cleared 3,947.3 acres of brush as part of its vegetation management plan work.

2020 Distribution Vegetation Management Work by District

Table 2 below details the Company's 2020 O&M vegetation management expenditures by district. Certain aspects of O&M expenditures, such as Internal Labor and Fleet costs, unscheduled hotspot maintenance, trouble restoration work, tree ticket investigation, auditor

expenses, third party flagging expenditures, and tree contractor's field supervision, are not reflected below.

Table 2: 2020 District Level O&M Expenditures by District				
Nature of Expense	Ashland	Hazard	Pikeville	Total
Annual Cycle Maintenance	\$5,245,095	\$5,827,184	\$7,530,826	\$18,603,105
Internal	\$124,159	\$147,577	\$184,353	\$456,089
TOTALS	\$5,369,254	\$5,974,761	\$7,715,179	\$19,059,194

Table 3 below provides the 2020 vegetation management work by district in terms of miles cleared and acres sprayed.

Table 3: 2020 District Level Cycle Work Performed				
Work Performed	Ashland	Hazard	Pikeville	Total
Annual Cycle Miles Cleared	471.7	538.0	588.0	1,597.7
Acres Sprayed	1,334.2	1,888.3	743.9	3,966.4

Attachment 1 to this report provides detail of the 2020 annual cycle vegetation management work and expenditures per district and by circuit. The attachment provides the associated cost for the miles completed during scheduled maintenance, as well as the number of trees trimmed, number of trees removed, acres of brush cut, acres of brush sprayed, and amount of tree growth regulator (soil injection) applied on a per circuit basis.

Measures of Improvement in System Reliability

(SAIFI, CAIDI, SAIDI, and CMI)

Table 4 below provides total system reliability indices for Kentucky Power's distribution system from year 2010 (when the Vegetation Management Program began), through December 31, 2020.

Table 4: Eleven Year Reporting Indices for all Outage Cause Codes			
Year	SAIFI	CAIDI	SAIDI
2010	2.470	169.4	418.4
2011	3.085	195.4	602.8
2012	2.417	189.5	458.0
2013	2.144	178.5	382.7
2014	2.373	212.9	505.3
2015	2.467	189.8	468.1
2016	2.167	205.7	445.8
2017	2.169	187.3	406.3
2018	2.342	206.8	484.2
2019	2.485	195.2	485.0
2020	2.003	198.1	396.8

Table 5 below provides reliability indices limited to Tree Inside Rights-of-Way outages for the same eleven year period.

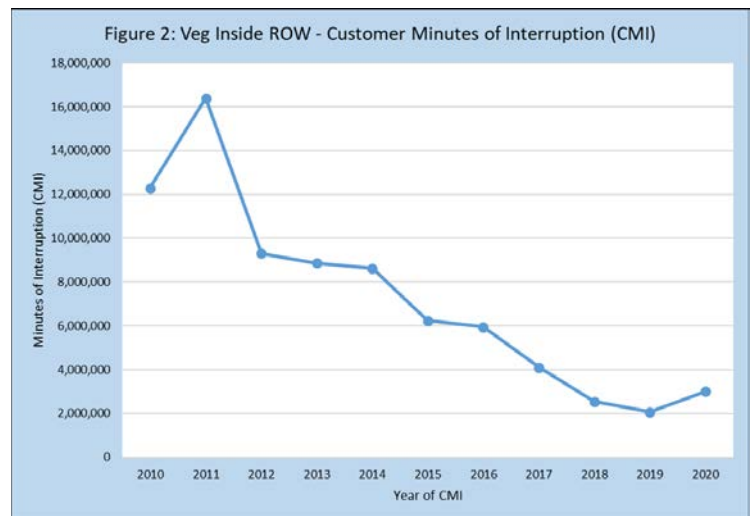
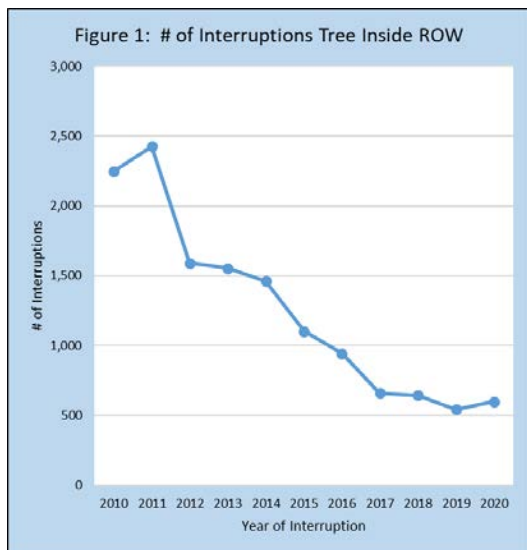
Table 5: Eleven Year Reporting Indices for Tree Inside Rights-of-Way Outage Cause Codes			
Year	Tree Inside Rights-of-Way SAIFI	Tree Inside Rights-of-Way CAIDI	Tree Inside Rights-of-Way SAIDI
2010	0.371	190.8	70.9
2011	0.419	227.4	95.3
2012	0.256	258.8	66.3
2013	0.281	184.3	51.9
2014	0.215	236.3	50.9
2015	0.178	207.6	37.0
2016	0.172	207.2	35.6
2017	0.114	216.7	24.6
2018	0.075	204.9	15.4
2019	0.081	156.8	12.6
Average (2010-2019)	0.216	209.1	46.1
2020	0.074	246.3	18.2

Excluded from the calculation of the indices in both Tables 4 and 5 are major events as defined by IEEE Standard 1366.

Table 5 highlights the improvements driven by the Company's Distribution Vegetation Management Program. The 2020 Tree Inside Rights-of-Way SAIFI and SAIDI are respectively 65.8 % and 60.4 % below the average Tree Inside Rights-of-Way SAIFI and SAIDI metrics for the previous ten year period of 2010 through 2019. The CAIDI values increased to 246.3

(17.8%) in 2020 from the ten year period average duration of 209.1. CAIDI measures the time for crews to respond, assess and identify the trouble, remove any debris that may have caused the outage, perform repairs, and restore service.

Since Kentucky Power's Distribution Vegetation Management Program began in July 2010, the annual number of Tree Inside Rights-of-Way Interruptions (excluding major event days) has declined by approximately 75.3% from a peak of 2,427 to 599. The annual number of customer minutes of interruption (CMI) associated with these events declined by approximately 81.6% from a peak of 16,388,594 to 3,011,960 over the same period (Figure 1 and Figure 2).



The number of vegetation-related service interruptions for tree inside rights-of-way increased by 10.1 percent from 544 in year 2019, to 599 in year 2020. Despite the increase in tree inside rights-of-way interruptions, the year 2020 value remains 2.8 percent below the previous three-year average of 616 interruptions. The number of customer minutes interrupted due to trees inside rights-of-way increased from 2,072,958 in year 2019 to 3,011,960 in year 2020. Total number of customer minutes interrupted due to trees inside rights-of-way during year 2020 has increased 3.7% above the previous three-year average of 2,903,062 minutes of interruption.

Tree Inside Rights-of-Way interruptions are expected to remain mostly unchanged for the following reasons:

- The Company has completed end-to-end maintenance clearing for the entire primary distribution system and maintains control of its rights-of-way
- Refusals of customers to allow the Company to clear rights-of-way to the Company's vegetation specifications are not expected to decline; and
- Outages on secondary distribution lines constitute a greater portion of the remaining total outages, limiting a reduction in the total number of outages beyond the current numbers. The Company's distribution vegetation management work has less effect on secondary distribution lines because secondary lines, including service to home attachments, are positioned lower on the poles and are subject to interference from customer planted trees and tall shrubs that become overgrown.

Vine-related outages are included in the reported inside rights-of-way outages. For year 2020, vine-related outages constituted 7.0% of inside the rights-of-way customer minutes interrupted, and approximately 50.9% of inside the rights-of-way interruptions.

Vegetation Management Program-to-Date Expenditures

Kentucky Power filed vegetation management plans projecting expenditures of \$219,619,767 in Vegetation Management O&M from the beginning of the program on July 1, 2010 through December 31, 2020. In that period, the Company spent \$221,398,009, or \$1,778,242 (0.08%) more than planned.

Kentucky Power has trimmed 768,901 trees; removed 2,636,774 trees; cleared 28,199 acres (44.06 square miles) of brush; and sprayed 31,181 acres of brush (48.70 square miles) since the Company's vegetation management program began July 1, 2010.

Balancing Account

Paragraph 8 (e)(ii) of the Settlement Agreement in Case No. 2014-00396 established a one-way balancing account beginning July 1, 2015. Any regulatory liability associated with the balancing account would "continue to be recorded on the Company's books until the

Commission set base rates in the Company's next base rate case." The Commission's January 18, 2018 order in Case No. 2017-00179 continued the balancing account. The required annual expenditures were modified to reflect the amounts detailed in Table 9 of Mr. Phillips' direct testimony in the case.

The December 31, 2020 balancing account balance of \$127,957 (expenditures in excess of the targeted amounts) is shown in Table 6 below:

Table 6: Kentucky Power Balancing Account Vegetation Management Program Dollars			
Year	Required Expenditure	Actual Expenditure	Variance
2015	\$13,830,530	\$13,620,717	-\$209,813
2016	\$27,661,060	\$27,774,546	\$113,486
2017	\$27,661,060	\$27,840,992	\$179,932
2018	\$21,638,766	\$21,779,501	\$140,735
2019	\$21,283,946	\$21,312,894	\$28,948
2020	\$21,472,777	\$21,347,446	-\$125,331
Total	\$133,548,139	\$133,676,096	\$127,957

Future Reports

The Commission's January 13, 2021 Order in Case No. 2020-00174 authorized Kentucky Power to combine its annual work plan and prior year's annual report into a single report to be filed by April 1 of each year. Kentucky Power will file its combined Vegetation Management Program 2022 work plan and 2021 annual report by April 1, 2022. The 2022 work plan will not be filed on October 1, 2021.

Attachment Description

The following attachments are incorporated in this report:

Attachment 1 – provides a detailed summary of annual cycle maintenance work completed in 2020 at a circuit level within each district.

Attachment 2 – provides the annual cycle maintenance plan for 2021 at circuit level by district reflecting circuit level updates to the Company's previous Vegetation Management Plan filed September 30, 2020.

Attachment 3 – provides the annual spray plan for 2021 at the district level.

Attachment 4 – provides the planned 2021 O&M expenditures (including amounts that cannot be allocated on a circuit basis) by district and projected 2021 capital expenditures by district. The 2021 capital expenditures include, as was detailed in the Company's 2021 Vegetation Management Plan, a pilot capital investment program to widen the Company's existing rights-of-way to address outside of the rights-of-way causes of outages, including particularly the mitigation of threats posed by diseased and dead trees.

Attachment 1 – 2020 Annual Maintenance Cycle History

2020 KY POWER FORESTRY CIRCUIT HISTORY Five Year Cycle Maintenance Clearing				Costs that were not allocated to a circuit number include: Internal labor & fleet costs, some unscheduled hotspot maintenance, trouble restoration work, tree ticket investigation, and tree contractors field supervision							
Ashland District											
Circuit Number	Circuit Name	Cost (Includes O&M and Capital)	Total Line Miles	Reclearing Miles Planned	Reclearing Miles Complete	Trees Trimmed	Trees Removed	Brush Cut (Acres)	Brush Sprayed (Acres)	Tree Growth Regulator	Comments
3000101	Ashland - 25th Street	\$5,873.86	1.3	1.3	1.3	29	3	0.1	0.0	0.0	Full Circuit Clearing
3000102	Ashland - 29th Street	\$40,632.74	6.8	6.8	6.8	233	88	2.9	0.0	0.0	Full Circuit Clearing
3000103	Ashland - 14th Street	\$5,489.94	1.4	1.4	1.4	17	33	1.1	0.0	0.0	Full Circuit Clearing
3000104	Ashland - 3rd Street	\$0.00	0.2	0.2	0.2	0	0	0.0	0.0	0.0	Full Circuit Clearing
3000105	Ashland - 1st Street	\$1,814.30	1.7	1.7	1.7	0	5	0.9	0.0	0.0	Full Circuit Clearing
3000202	Big Sandy - Burnaugh North	\$741,441.13	85.1	56.7	59.3	2,716	6,273	167.4	43.0	0.0	Begin Full Circuit Clearing
3000302	Bellefonte - Flatwoods	\$0.00	3.1	3.1	0.0	0	0	0.0	0.0	0.0	Full Circuit Clearing - Deferred
3000304	Bellefonte - Town Center	\$0.00	2.7	2.7	0.0	0	0	0.0	0.0	0.0	Full Circuit Clearing - Deferred
3000901	Highland - Russell	\$195,597.19	24.6	24.6	24.6	806	545	29.2	0.0	0.0	Full Circuit Clearing
3000902	Highland - Flatwoods	\$235,250.52	20.0	20.0	20.0	1,132	970	33.9	6.3	0.0	Full Circuit Clearing
3000903	Highland - Wurtland	\$175,533.57	15.3	15.3	15.3	626	672	14.3	7.0	0.0	Full Circuit Clearing
3001201	Howard Collins - 13th St.	\$148,570.36	13.0	13.0	13.0	755	237	8.3	0.0	0.0	Full Circuit Clearing
3001203	Howard Collins - Floyd St.	\$167,970.79	11.1	11.1	11.1	1,066	568	9.5	4.2	0.0	Full Circuit Clearing
3001402	Louisa - High Bottom	\$56,120.79	13.4	1.0	1.0	231	363	3.3	16.3	0.0	Finish Full Circuit Clearing, from 2019
3003701	Coalton - US 60 West	\$0.00	87.1	0.1	0.1	0	0	0.0	0.0	0.0	Finish Full Circuit Clearing, from 2019
3004301	Siloam - Distribution	\$0.00	18.1	0.1	0.1	0	0	0.0	0.0	0.0	Finish Full Circuit Clearing, from 2019
3007904	Busseyville - Torchlight	\$1,594,779.94	97.4	97.4	94.8	6,533	18,226	258.4	280.4	0.0	Full Circuit Clearing
3008701	Cannonsburg - Cannonsburg	\$2,718.92	62.6	0.6	0.6	1	0	0.0	7.0	0.0	Finish Full Circuit Clearing, from 2019
3010602	Russell - Bear Run	\$172,829.62	12.0	12.0	12.0	483	920	22.3	31.2	0.0	Full Circuit Clearing
3010603	Russell - Ashland Oil	\$15,449.75	0.8	0.8	0.8	39	53	2.3	4.7	0.0	Full Circuit Clearing
3103101	Olive Hill - Globe	\$506,707.69	121.1	69.8	69.8	1,807	3,573	96.9	152.2	0.0	Finish Full Circuit Clearing, from 2019
3116101	Grayson - Lansdowne	\$387,696.28	35.4	35.4	35.4	1,590	2,202	43.9	44.9	0.0	Full Circuit Clearing
3116102	Grayson - Dixie Park	\$283,121.65	33.1	33.1	33.1	1,065	1,219	22.9	23.3	0.0	Full Circuit Clearing
3116701	Belhaven - Diedrich	\$190,484.32	8.9	8.9	8.6	593	564	8.8	3.0	0.0	Full Circuit Clearing
3116702	Belhaven - Indian Run	\$96,478.26	19.1	19.1	12.4	364	375	5.4	0.0	0.0	Full Circuit Clearing
3116703	Belhaven - Argillite	\$0.00	27.7	12.5	0.0	0	0	0.0	0.0	0.0	Begin Full Circuit Clearing - Deferred
3117601	Princess - Meade Station	\$286,470.10	46.0	25.0	25.0	2,026	1,554	58.9	20.2	0.0	Finish Full Circuit Clearing, from 2019
3117602	Princess - Route 180	\$129,001.80	23.3	23.3	23.3	346	1,228	51.4	35.7	0.0	Full Circuit Clearing
2206403	South Neal - Whites Creek Road	\$51,464.62	0.0	0.0	0.0	0	39	0.0	100.5	0.0	Ground Spray and Capital Work
3000303	Bellefonte - Bellefonte	\$29,187.00	0.0	0.0	0.0	0	0	0.0	62.4	0.0	Ground Spray
3001003	Hitchins - Grayson	\$73,648.66	0.0	0.0	0.0	0	544	0.0	0.0	0.0	Capital Work
3001102	Hoods Creek - Rural	\$2,009.50	0.0	0.0	0.0	0	0	0.0	4.1	0.0	Ground Spray
3001204	Howard Collins - Summitt	\$8,280.00	0.0	0.0	0.0	0	0	0.0	20.7	0.0	Ground Spray
3001401	Louisa - City	\$6,275.51	0.0	0.0	0.0	0	0	0.6	19.0	0.0	Ground Spray
3003703	Coalton - Trace Creek	\$39,197.84	0.0	0.0	0.0	0	0	0.0	97.8	0.0	Ground Spray
3007903	Busseyville - Louisa	\$8,802.20	0.0	0.0	0.0	0	0	0.0	8.6	0.0	Ground Spray
3007906	Busseyville - Walbridge	\$77,736.00	0.0	0.0	0.0	0	0	0.0	194.3	0.0	Ground Spray
3008001	47th Street - 49th Street	\$5,768.04	0.0	0.0	0.0	0	2	0.0	13.0	0.0	Ground Spray and Capital Work
3008002	47th Street - 39th Street	\$2,512.00	0.0	0.0	0.0	0	0	0.0	6.3	0.0	Ground Spray
3008003	47th Street - Catlettsburg	\$9,104.00	0.0	0.0	0.0	0	0	0.0	22.8	0.0	Ground Spray
3008702	Cannonsburg - Route 3	\$3,923.52	0.0	0.0	0.0	15	2	0.2	0.0	0.0	Capital Work and
3110902	Wurtland - Greenup	\$30,533.28	0.0	0.0	0.0	3	0	0.0	61.5	0.0	Ground Spray and Quality of Service Work
3110903	Wurtland - Rt. 503	\$34,382.69	0.0	0.0	0.0	0	21	0.0	44.0	0.0	Ground Spray and Capital Work
Ashland District Totals		\$5,822,858.38		497.0	471.7	22,476	40,279	842.9	1,334.2	0.0	

2020 KY POWER FORESTRY CIRCUIT HISTORY Five Year Cycle Maintenance Clearing				Costs that were not allocated to a circuit number include: Internal labor & fleet costs, some unscheduled hotspot maintenance, trouble restoration work, tree ticket investigation, and tree contractors field supervision								
Hazard District												
Circuit Number	Circuit Name	Cost (Includes O&M and Capital)	Total Line Miles	Reclearing Miles Planned	Reclearing Miles Complete	Trees Trimmed	Trees Removed	Brush Cut (Acres)	Brush Sprayed (Acres)	Tree Growth Regulator	Comments	
3300602	Bluegrass - Hazard	\$130,810.58	11.1	11.1	11.1	477	1,856	34.0	5.8	0.0	Full Circuit Clearing	
3302701	Hazard - Black Gold	\$302,097.51	30.3	30.3	30.3	571	5,555	104.1	113.9	0.0	Full Circuit Clearing	
3302703	Hazard - Hazard	\$151,669.57	11.1	11.1	11.1	892	654	17.4	0.0	0.0	Full Circuit Clearing	
3303901	Leslie - Hyden	\$700,720.72	89.4	89.4	65.2	2,212	12,758	205.1	125.9	0.0	Full Circuit Clearing	
3303902	Leslie - Wooten	\$1,484,258.88	129.9	109.9	109.9	4,579	30,509	400.8	290.6	0.0	Finish Full Circuit Clearing, from 2019	
3308001	Jackson - South Jackson	\$62,496.35	26.6	2.0	2.0	118	405	2.8	1.2	0.0	Finish Full Circuit Clearing, from 2019	
3308002	Jackson - Panbowl	\$10,925.10	31.4	0.2	0.2	0	5	0.0	6.9	0.0	Finish Full Circuit Clearing, from 2019	
3308502	Bonnyman - Hazard	\$3,197.24	65.5	0.2	0.2	3	18	0.0	2.3	0.0	Finish Full Circuit Clearing, from 2019	
3308601	Collier - Upper Rockhouse	\$366,287.32	37.3	37.3	37.3	1,890	4,921	76.6	45.4	0.0	Full Circuit Clearing	
3309103	Whitesburg - Cowan	\$572,762.61	43.9	43.9	43.8	1,791	7,239	100.7	37.5	0.0	Full Circuit Clearing	
3309301	Vicco - Red Fox	\$503,177.50	47.8	47.8	47.8	2,287	7,199	113.9	180.8	0.0	Full Circuit Clearing	
3309902	Slemp - Leatherwood	\$6,307.46	70.8	0.3	0.3	2	62	1.2	8.2	0.0	Begin Full Circuit Clearing	
3309903	Slemp - Beech Fork	\$8,914.24	1.7	1.7	0.3	56	306	1.3	0.0	0.0	Begin Full Circuit Clearing	
3309904	Slemp - Royal Diamond	\$0.00	2.3	2.3	0.0	0	0	0.0	0.0	0.0	Deferred to 2021	
3311401	Reedy - Deane	\$3,079.20	45.4	0.1	0.1	0	0	0.0	4.8	0.0	Begin Full Circuit Clearing	
3311701	Shamrock - Shamrock	\$4,084.32	28.7	0.2	0.2	0	0	0.0	12.5	0.0	Finish Full Circuit Clearing, from 2019	
3312202	Engle - Grapevine	\$682,872.37	99.6	57.7	57.7	1,930	13,750	185.9	136.0	0.0	Finish Full Circuit Clearing, from 2019	
3314401	Mayking - Ermine	\$293,411.57	28.1	28.1	28.1	1,384	4,964	71.5	44.6	0.0	Full Circuit Clearing	
3314402	Mayking - Millstone	\$407,064.43	53.5	22.7	42.7	1,921	6,927	115.6	53.1	0.0	Begin Full Circuit Clearing	
3420002	Softshell - Leburn	\$907,564.31	49.7	49.7	49.7	1,697	7,433	152.9	60.4	0.0	Full Circuit Clearing	
3300601	Bluegrass - Walkertown	\$3,989.77	0.0	0.0	0.0	0	1	0.0	4.8	0.0	Ground Spray and Capital Work	
3301101	Chaves - Chaves	\$4,007.63	0.0	0.0	0.0	0	0	0.0	9.0	0.0	Ground Spray	
3301401	Combs - Combs	\$908.24	0.0	0.0	0.0	0	0	0.0	1.6	0.0	Ground Spray	
3301402	Combs - Airport Garden	\$1,448.00	0.0	0.0	0.0	0	1	0.0	0.0	0.0	Capital Work	
3301701	Daisy - Leatherwood	\$56,974.31	0.0	0.0	0.0	15	29	0.4	147.2	0.0	Ground Spray, Capital, Quality of Service Work	
3302704	Hazard - Kenmont	\$1,320.02	0.0	0.0	0.0	0	0	0.0	2.3	0.0	Ground Spray	
3303903	Leslie - Hals Fork	\$82,840.65	0.0	0.0	0.0	0	0	0.0	234.5	0.0	Ground Spray	
3307301	Bulan - Ary-Heiner	\$2,272.96	0.0	0.0	0.0	0	0	0.0	3.9	0.0	Ground Spray	
3307302	Bulan - Ajax-Dwarf	\$619.12	0.0	0.0	0.0	0	0	0.0	0.9	0.0	Ground Spray	
3307303	Bulan - Lotts Creek	\$1,189.20	0.0	0.0	0.0	0	0	0.0	2.0	0.0	Ground Spray	
3308401	Beckham - Hindman	\$25,023.86	0.0	0.0	0.0	38	227	1.7	3.2	0.0	Capital and Quality of Service Work	
3308402	Beckham - Carr Creek	\$4,758.82	0.0	0.0	0.0	10	13	0.0	1.2	0.0	Capital and Quality of Service Work	
3308404	Beckham - Pippa Passes	\$38,203.59	0.0	0.0	0.0	0	0	0.0	91.3	0.0	Ground Spray	
3308503	Bonnyman - Big Creek	\$2,823.88	0.0	0.0	0.0	8	15	0.2	1.6	0.0	Quality of Service Work	
3308602	Collier - Lower Rockhouse	\$9,218.28	0.0	0.0	0.0	5	37	0.4	4.3	0.0	Capital and Quality of Service Work	
3308603	Collier - Smoot Creek	\$19,435.91	0.0	0.0	0.0	12	226	1.7	3.4	0.0	Capital and Quality of Service Work	
3309001	Jeff - Boone Ledge	\$1,996.26	0.0	0.0	0.0	0	0	0.0	5.0	0.0	Ground Spray and Quality of Service Work	
3309002	Jeff - Jeff	\$17,772.52	0.0	0.0	0.0	0	0	0.0	49.0	0.0	Ground Spray	
3309003	Jeff - Viper	\$40,878.85	0.0	0.0	0.0	0	0	0.0	92.6	0.0	Ground Spray and Quality of Service Work	
3309104	Whitesburg - Crafts Colley	\$4,894.12	0.0	0.0	0.0	3	24	0.0	1.6	0.0	Capital and Quality of Service Work	
3309302	Vicco - Jeff	\$9,624.06	0.0	0.0	0.0	2	396	0.7	1.0	0.0	Capital and Quality of Service Work	
3310501	Haddix - Quicksand	\$6,783.23	0.0	0.0	0.0	0	5	0.0	14.5	0.0	Capital and Quality of Service Work	
3310502	Haddix - Canoe	\$9,550.10	0.0	0.0	0.0	0	216	0.0	6.0	0.0	Capital and Quality of Service Work	
3310503	Haddix - Troublesome Creek	\$5,603.33	0.0	0.0	0.0	0	41	0.0	3.5	0.0	Capital and Quality of Service Work	
3311101	Stinnett - Redbird	\$2,539.76	0.0	0.0	0.0	0	0	0.0	6.1	0.0	Ground Spray	
3311103	Stinnett - Wendover 35kV	\$21,651.94	0.0	0.0	0.0	0	0	0.0	60.6	0.0	Ground Spray	
3312902	Jenkins - Jenkins	\$884.72	0.0	0.0	0.0	0	0	0.0	0.6	0.0	Ground Spray	
3401301	Fleming - Neon	\$1,239.22	0.0	0.0	0.0	0	0	0.0	1.7	0.0	Ground Spray	
3401302	Fleming - McRoberts	\$5,393.40	0.0	0.0	0.0	6	35	0.3	2.5	0.0	Ground Spray and Quality of Service Work	
3420001	Softshell - Vest	\$12,725.86	0.0	0.0	0.0	0	65	0.0	1.4	0.0	Ground Spray and Capital Work	
3451202	Beelhide - Dunham	\$1,288.72	0.0	0.0	0.0	0	0	0.0	1.6	0.0	Ground Spray	
Hazard District Totals		\$6,999,561.61		546.0	538.0	21,909	105,892	1,589.1	1,888.3	0.0		

2020 KY POWER FORESTRY CIRCUIT HISTORY Five Year Cycle Maintenance Clearing				Costs that were not allocated to a circuit number include: Internal labor & fleet costs, some unscheduled hotspot maintenance, trouble restoration work, tree ticket investigation, and tree contractors field supervision								
Pikeville District												
Circuit Number	Circuit Name	Cost (Includes O&M and Capital)	Total Line Miles	Reclearing Miles Planned	Reclearing Miles Complete	Trees Trimmed	Trees Removed	Brush Cut (Acres)	Brush Sprayed (Acres)	Tree Growth Regulator	Comments	
3400101	Allen - Distribution	\$202,950.60	27.2	27.2	27.2	684	2,731	51.9	0.0	0.0	Full Circuit Clearing	
3401102	Falcon - Salyersville	\$401,076.66	45.0	45.0	45.0	1,544	2,843	54.3	0.0	0.0	Full Circuit Clearing	
3401103	Falcon - Burning Fork	\$722,310.96	72.6	72.6	72.6	2,543	6,657	132.3	0.0	0.0	Full Circuit Clearing	
3402003	Keyser - Mullins	\$418,175.29	29.6	29.6	29.6	1,115	2,948	73.1	0.0	0.0	Full Circuit Clearing	
3403001	Pikeville - City	\$353,114.65	20.0	20.0	20.0	515	2,854	48.4	0.0	0.0	Full Circuit Clearing	
3403003	Pikeville - Cedar Creek	\$582,100.59	28.0	28.0	26.5	515	2,842	53.3	0.0	0.0	Full Circuit Clearing	
3403201	Beaver Creek - Ligon	\$446,685.19	80.2	31.2	31.2	919	3,513	57.6	0.0	0.0	Finish Full Circuit Clearing, from 2019	
3404002	Spring Fork - Single-Phase	\$175,222.55	8.2	8.2	8.2	82	2,157	42.6	0.0	0.0	Full Circuit Clearing	
3404302	Sidney - Coburn Mtn.	\$515,860.59	40.9	40.9	40.9	1,424	3,188	102.7	0.0	0.0	Full Circuit Clearing	
3409002	West Paintsville - Staffordsville	\$875,133.50	47.0	47.0	25.2	1,157	8,384	133.7	0.0	0.0	Full Circuit Clearing	
3409302	Kenwood - Auxier	\$1,163,974.72	40.2	40.2	40.2	1,942	9,316	141.9	0.1	0.0	Full Circuit Clearing	
3409401	Feds Creek - Feds Creek	\$535,125.05	41.0	41.0	41.0	618	4,729	122.6	0.0	0.0	Full Circuit Clearing	
3409402	Feds Creek - Lick Creek	\$196,237.69	17.0	17.0	17.0	281	2,697	65.6	0.0	0.0	Full Circuit Clearing	
3410602	E. Prestonsburg - Lancer	\$426,311.50	25.0	25.0	25.0	1,194	2,561	41.7	0.0	0.0	Full Circuit Clearing	
3411401	Dewey - Inez	\$485,256.09	170.8	15.3	32.3	624	2,358	107.5	0.0	0.0	Begin Full Circuit Clearing	
3411802	Johns Creek - Raccoon	\$724,356.88	84.0	67.5	62.8	1,558	5,164	151.9	0.0	0.0	Begin Full Circuit Clearing	
3413401	Garrett - Garrett	\$546,674.53	38.4	38.4	38.4	707	2,686	95.4	0.0	0.0	Full Circuit Clearing	
3451201	Beehide - Beehide	\$58,227.90	4.0	4.0	4.0	0	1,348	24.7	0.0	0.0	Full Circuit Clearing	
3974101	Big Rock - Conaway		0.9	0.9	0.9					0.0	Full Circuit Clearing	
3120101	Starville - Mud Creek	\$37,252.82	0.0	0.0	0.0	4	17	0.1	40.9	0.0	Ground Spray	
3200204	Barrenshe - Pounding Mill	\$77,159.76	0.0	0.0	0.0	0	0	0.0	97.0	0.0	Ground Spray	
3201001	Tom Watkins-Upper Pond Creek	\$2,219.30	0.0	0.0	0.0	0	2	0.0	0.0	0.0	Capital Work	
3400301	Betsy Layne - Mud Creek	\$1,128.90	0.0	0.0	0.0	0	1	0.0	0.0	0.0	Capital Work	
3400302	Betsy Layne - Tram 12 KV	\$6,233.85	0.0	0.0	0.0	1	2	0.1	0.0	0.0	Capital Work	
3400601	Burton - Bevinsville	\$11,569.00	0.0	0.0	0.0	0	30	0.0	0.0	0.0	Capital Work	
3400602	Burton - Wheelwright	\$5,531.60	0.0	0.0	0.0	5	3	0.0	0.0	0.0	Capital Work and	
3400701	Draffin - Belcher	\$70,348.79	0.0	0.0	0.0	0	0	0.0	62.7	0.0	Ground Spray	
3400702	Draffin - Yellow Hill	\$35,557.49	0.0	0.0	0.0	0	31	0.0	21.0	0.0	Ground Spray and Capital Work	
3401002	Elwood - Virgie	\$662.60	0.0	0.0	0.0	0	4	0.0	0.0	0.0	Quality of Service Work	
3401101	Falcon - Oil Springs	\$106,633.48	0.0	0.0	0.0	0	93	10.2	97.6	0.0	Ground Spray and	
3401801	Index - Distribution	\$33,986.23	0.0	0.0	0.0	2	417	0.0	0.0	0.0	Capital Work and	
3401802	Index - Hospital	\$16,406.69	0.0	0.0	0.0	0	465	0.8	0.0	0.0	Capital Work	
3402202	McKinney - Gibson	\$133,087.99	0.0	0.0	0.0	0	31	0.0	167.5	0.0	Ground Spray and Capital Work	
3403202	Beaver Creek - Price	\$3,971.16	0.0	0.0	0.0	3	2	0.0	0.0	0.0	Capital Work and	
3403302	Prestonsburg - University	\$36,725.52	0.0	0.0	0.0	0	0	2.7	34.3	0.0	Ground Spray	
3407101	Topmost - Derna	\$1,802.24	0.0	0.0	0.0	1	1	0.0	0.0	0.0	Quality of Service Work	
3408101	Salisbury - Printer	\$839.30	0.0	0.0	0.0	0	2	0.0	0.0	0.0	Capital Work	
3408304	Coleman - Calloway	\$111,070.86	0.0	0.0	0.0	0	0	0.0	136.1	0.0	Ground Spray	
3409003	West Paintsville - Plaza	\$3,562.50	0.0	0.0	0.0	0	32	0.0	0.0	0.0	Capital Work	
3409303	Kenwood - Hagerhill	\$3,404.70	0.0	0.0	0.0	4	28	0.4	0.0	0.0	Quality of Service Work	
3409502	Burdine - Levisa Stone	\$5,116.32	0.0	0.0	0.0	0	8	0.0	0.0	0.0	Capital Work	
3410502	So. Pikeville - Island Creek	\$18,339.10	0.0	0.0	0.0	0	339	0.0	0.0	0.0	Capital Work	
3410601	E. Prestonsburg - Prestonsburg	\$22,379.47	0.0	0.0	0.0	68	139	0.0	0.0	0.0	Capital Work and	
3411801	Johns Creek - Meta	\$1,225.00	0.0	0.0	0.0	0	10	0.0	0.0	0.0	Capital Work	
3411902	Fords Branch - Robinson Ck	\$13,686.79	0.0	0.0	0.0	0	3	0.0	12.7	0.0	Ground Spray and Capital Work	
3412901	Weeksbury - Distribution	\$1,281.92	0.0	0.0	0.0	0	1	0.0	0.0	0.0	Quality of Service Work	
3413402	Garrett - Lackey	\$31,938.57	0.0	0.0	0.0	6	68	0.1	0.0	0.0	Quality of Service Work	
3417602	New Camp - Arh- W Wmsn	\$5,581.30	0.0	0.0	0.0	0	26	0.0	0.0	0.0	Capital Work	
3421001	Breaks - City	\$80,952.52	0.0	0.0	0.0	0	1	0.0	73.9	0.0	Ground Spray and Capital Work	
Pikeville District Totals		\$9,708,450.71	820.0	599.0	588.0	17,516	70,732	1,515.4	743.9	0.0		
Kentucky Power 2020 Totals		\$22,530,870.70	1,642.0	1,597.7	61,901	216,903	3,947.3	3,966.4	0.0			

Attachment 2 – 2021 Annual Maintenance Cycle Plan

2021 Kentucky Power Distribution Five Year Cycle VM Plan						Costs that are not allocated to a circuit include: internal labor & fleet costs, unscheduled hotspot maintenance, ground & aerial spray, and aerial saw				
District	Station Name	Circuit Name	Circuit Number	Circuit Line Miles	Miles Planned	Projected O&M Cost per Mile	O&M Cost	Capital Assoc. with Clearing	Total Cost	Comments
ASH	South Neal	Whites Creek	2206403	38.9	38.9	\$11,028	\$428,997	\$55,009	\$484,006	Full Circuit Reclear
ASH	Big Sandy	Burnaugh North	3000202	85.0	25.8	\$11,028	\$284,528	\$36,484	\$321,011	Finish Full Circuit Reclear, from 2020
ASH	Big Sandy	Yatesville	3000203	62.3	62.3	\$11,028	\$686,726	\$88,056	\$774,782	Full Circuit Reclear
ASH	Bellefonte	Westwood	3000301	22.9	22.9	\$11,028	\$252,325	\$32,355	\$284,680	Full Circuit Reclear
ASH	Bellefonte	Flatwoods	3000302	3.1	3.1	\$11,028	\$34,187	\$4,384	\$38,571	Full Circuit Reclear, deferred from 2020
ASH	Bellefonte	Town Center	3000304	2.7	2.7	\$11,028	\$29,225	\$3,747	\$32,972	Full Circuit Reclear, deferred from 2020
ASH	Grays Branch	Grays Branch	3000701	69.0	69.0	\$11,028	\$760,505	\$97,516	\$858,021	Full Circuit Reclear
ASH	Hitchens	Denton	3001001	46.4	9.3	\$11,028	\$102,562	\$13,151	\$115,713	Begin Full Circuit Reclear
ASH	Hitchens	Grayson	3001003	47.6	47.6	\$11,028	\$524,722	\$67,283	\$592,005	Full Circuit Reclear
ASH	Hoods Creek	Rural	3001102	47.9	17.1	\$11,028	\$188,582	\$24,181	\$212,763	Begin Full Circuit Reclear
ASH	Howard Collins	29th Street	3001202	13.2	13.2	\$11,028	\$145,131	\$18,610	\$163,741	Full Circuit Reclear
ASH	Howard Collins	Summit	3001204	24.3	24.3	\$11,028	\$267,765	\$34,334	\$302,099	Full Circuit Reclear
ASH	Busseyville	Torchlight	3007904	96.2	2.6	\$11,028	\$28,673	\$3,677	\$32,350	Finish Full Circuit Reclear, from 2020
ASH	Busseyville	Mattie	3007905	92.0	92.0	\$11,028	\$1,015,036	\$130,154	\$1,145,190	Full Circuit Reclear
ASH	47th Street	39th Street	3008002	12.9	3.3	\$11,028	\$36,393	\$4,667	\$41,060	Begin Full Circuit Reclear
ASH	Wurland	Route 503	3110903	46.3	46.3	\$11,028	\$510,937	\$65,515	\$576,452	Full Circuit Reclear
ASH	Belhaven	Diedrich	3116701	8.9	0.3	\$11,028	\$3,308	\$424	\$3,733	Finish Full Circuit Reclear, from 2020
ASH	Belhaven	Indian Run	3116702	19.1	6.7	\$11,028	\$73,889	\$9,474	\$83,363	Finish Full Circuit Reclear, from 2020
ASH	Belhaven	Argillite	3116703	27.7	27.7	\$11,028	\$305,040	\$39,114	\$344,154	Full Circuit Reclear, deferred from 2020
Ashland District Totals					514.9		\$5,678,531	\$728,135	\$6,406,667	

2021 Kentucky Power Distribution Five Year Cycle VM Plan						Costs that are not allocated to a circuit include: internal labor & fleet costs, unscheduled hotspot maintenance, ground & aerial spray, and aerial saw				
District	Station Name	Circuit Name	Circuit Number	Circuit Line Miles	Miles Planned	Projected O&M Cost per Mile	O&M Cost	Capital Assoc. with Clearing	Total Cost	Comments
HAZ	Bluegrass	Walkertown	3300601	28.7	28.7	\$11,183	\$321,392	\$41,749	\$363,141	Full Circuit Reclear
HAZ	Combs	Combs	3301401	1.0	9.6	\$11,183	\$107,354	\$13,945	\$121,300	Full Circuit Reclear(8.6mi on BonnymanBigCr)
HAZ	Combs	Airport Gardens	3301402	42.1	42.1	\$11,183	\$470,794	\$61,156	\$531,950	Full Circuit Reclear
HAZ	Leslie	Hyden	3303901	89.4	24.2	\$11,183	\$270,623	\$35,154	\$305,777	Finish Full Circuit Reclear, from 2020
HAZ	Jeff	Boone Ledge	3309001	5.0	5.0	\$11,183	\$55,466	\$7,205	\$62,672	Full Circuit Reclear
HAZ	Whitesburg	Whitesburg	3309101	8.7	8.7	\$11,183	\$97,737	\$12,696	\$110,433	Full Circuit Reclear
HAZ	Whitesburg	Hospital	3309102	7.1	7.1	\$11,183	\$79,621	\$10,343	\$89,964	Full Circuit Reclear
HAZ	Whitesburg	Crafts Colley	3309104	27.8	27.8	\$11,183	\$310,992	\$40,398	\$351,390	Full Circuit Reclear
HAZ	Vicco	Jeff	3309302	89.0	25.0	\$11,183	\$279,569	\$36,316	\$315,885	Begin Full Circuit Reclear
HAZ	Slemp	Defeated Creek	3309901	13.5	13.5	\$11,183	\$150,855	\$19,596	\$170,451	Full Circuit Reclear
HAZ	Slemp	Leatherwood	3309902	70.7	70.4	\$11,183	\$787,713	\$102,324	\$890,037	Finish Full Circuit Reclear, from 2020
HAZ	Slemp	Beech Fork	3309903	1.7	1.4	\$11,183	\$15,880	\$2,063	\$17,942	Finish Full Circuit Reclear, from 2020
HAZ	Slemp	Royal Diamond	3309904	2.3	2.3	\$11,183	\$25,720	\$3,341	\$29,061	Full Circuit Reclear
HAZ	Haddix	Troublesome	3310503	91.4	53.8	\$11,183	\$601,073	\$78,079	\$679,152	Begin Full Circuit Reclear, HWY 476 segment
HAZ	Stinnett	Redbird	3311101	117.5	61.4	\$11,183	\$686,621	\$89,192	\$775,813	Begin Full Circuit Reclear
HAZ	Stinnett	Beech Fork	3311102	9.6	9.6	\$11,183	\$107,578	\$13,974	\$121,552	Full Circuit Reclear
HAZ	Reedy	Dean	3311401	43.2	43.1	\$11,183	\$481,977	\$62,609	\$544,586	Finish Full Circuit Reclear, from 2020
HAZ	Mayking	Millstone	3314402	53.5	10.8	\$11,183	\$120,326	\$15,630	\$135,957	Finish Full Circuit Reclear, from 2020
HAZ	Fleming	Neon	3401301	20.2	20.2	\$11,183	\$225,668	\$29,314	\$254,982	Full Circuit Reclear
HAZ	Fleming	McRoberts	3401302	28.6	28.6	\$11,183	\$320,050	\$41,575	\$361,625	Full Circuit Reclear
HAZ	Softshell	Vest	3420001	54.0	54.0	\$11,183	\$603,669	\$78,443	\$682,311	Full Circuit Reclear
Hazard District Totals					547.4		\$6,120,881	\$795,102	\$6,915,983	

2021 Kentucky Power Distribution Five Year Cycle VM Plan						Costs that are not allocated to a circuit include: internal labor & fleet costs, unscheduled hotspot maintenance, ground & aerial spray, and aerial saw				
District	Station Name	Circuit Name	Circuit Number	Circuit Line Miles	Miles Planned	Projected O&M Cost per Mile	O&M Cost	Capital Assoc. with Clearing	Total Cost	Comments
PKV	Starville	Tram	3120102	33.0	33.0	\$11,828	\$390,193	\$52,222	\$442,415	Full Circuit Reclear
PKV	Barrenshe	Vulcan	3200202	41.3	6.0	\$11,828	\$70,966	\$9,498	\$80,463	Begin Full Circuit Reclear
PKV	Elwood	Dorton	3401001	43.4	43.4	\$11,828	\$513,436	\$68,717	\$582,153	Full Circuit Reclear
PKV	Elwood	Virgie	3401002	80.4	80.4	\$11,828	\$950,703	\$127,239	\$1,077,942	Full Circuit Reclear
PKV	Henry Clay	Ashcamp	3401703	42.2	42.2	\$11,828	\$499,361	\$66,833	\$566,194	Full Circuit Reclear
PKV	Index	West Liberty	3401801	55.7	4.7	\$11,828	\$55,708	\$7,456	\$63,164	Begin Full Circuit Reclear
PKV	McKinney	Maytown	3402204	35.6	35.6	\$11,828	\$421,063	\$56,354	\$477,416	Full Circuit Reclear
PKV	Pikeville & Cedar Creek	Cedar Creek & Ivy Court	3403003	23.6	1.5	\$11,828	\$17,741	\$2,374	\$20,116	Finish Full Circuit Reclear, from 2020
PKV	Prestonsburg	City	3403301	6.9	6.9	\$11,828	\$82,084	\$10,986	\$93,069	Full Circuit Reclear
PKV	Topmost	Dema	3407101	36.2	36.2	\$11,828	\$427,686	\$57,240	\$484,926	Full Circuit Reclear
PKV	Topmost	Caney	3407102	3.1	3.1	\$11,828	\$36,192	\$4,844	\$41,036	Full Circuit Reclear
PKV	Topmost	Kite	3407103	25.4	5.4	\$11,828	\$63,869	\$8,548	\$72,417	Begin Full Circuit Reclear
PKV	W. Paintsville	Staffordsville	3409002	47.1	21.8	\$11,828	\$257,842	\$34,509	\$292,350	Finish Full Circuit Reclear, from 2020
PKV	Kenwood	West Vanlear	3409301	18.8	18.8	\$11,828	\$221,768	\$29,681	\$251,448	Full Circuit Reclear
PKV	Kenwood	Hager Hill	3409303	49.4	49.4	\$11,828	\$584,047	\$78,167	\$662,214	Full Circuit Reclear
PKV	East Prestonsburg	Prestonsburg	3410601	7.4	7.4	\$11,828	\$87,643	\$11,730	\$99,372	Full Circuit Reclear
PKV	Dewey	Inez	3411401	170.8	138.5	\$11,828	\$1,637,886	\$219,209	\$1,857,096	Full Circuit Reclear
PKV	Johns Creek	Raccoon	3411802	85.0	22.2	\$11,828	\$263,046	\$35,205	\$298,251	Finish Full Circuit Reclear, from 2020
PKV	Garrett	Lackey	3413402	34.8	34.8	\$11,828	\$411,009	\$55,008	\$466,017	Full Circuit Reclear
PKV	Consol	Coal	3414501	3.8	3.8	\$11,828	\$44,708	\$5,984	\$50,692	Full Circuit Reclear
Pikeville District Totals					595.0		\$7,036,951	\$941,801	\$7,978,752	
Kentucky Power Totals					1,657.2		\$18,836,363	\$2,465,039	\$21,301,402	

Attachment 3 – 2021 Annual Spray Plan

Kentucky Power 2021 Distribution VM Spray Plan - Cycle Based		
District	Acres	O&M Budget
Ashland	690	\$462,300
Hazard	790	\$529,300
Pikeville	1,300	\$903,500
KY Total	2,780	\$1,895,100

Attachment 4 –Expenditures by District

Kentucky Power Company 2021 Distribution VM O&M Forestry Plan - Summary				
Activity	Total O&M	Ashland	Hazard	Pikeville
5 Year Cycle Maintenance	\$18,836,363	\$5,678,531	\$6,120,881	\$7,036,951
Spray - Ground and Aerial	\$1,895,100	\$462,300	\$529,300	\$903,500
Internal - KY Forestry Staff	\$642,631	\$214,210	\$214,210	\$214,210
Unscheduled/Reactive Maintenance	\$359,000	\$75,000	\$165,750	\$118,250
2021 Total 5 yr. Cycle O&M Budget	\$21,733,094	\$6,430,041	\$7,030,141	\$8,272,911

Kentucky Power Company 2021 Distribution VM Capital Forestry Plan - Summary				
Activity	Total O&M	Ashland	Hazard	Pikeville
Capital Assoc. w/ 5 Yr. Cycle Maintenance	\$2,465,038	\$728,135	\$795,102	\$941,801
Internal - KY Forestry Staff	\$168,000	\$56,000	\$56,000	\$56,000
Capital Reliability Pilot Program	\$6,500,000	\$110,000	\$90,000	\$6,300,000
Internal - KY Forestry Staff	\$200,000	\$3,000	\$3,000	\$194,000
2021 Total Capital Budget	\$9,333,038	\$897,135	\$944,102	\$7,491,801

Section 5 - Circuit Report
Reporting Year : 2020

	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	3404002	SPRING FORK	SINGLE PHASE	3173 Mine Shaft Road, Lambric, KY 41339	Ky Route 542, Mine Shaft Road	8.02	20	3/27/2020	2065.7	4291.9	3.49	6.20	Scheduled Company, Tree Out Of ROW, Vine, Other Utility, Equipment Failure	54.55%, 18.18%, 9.09%, 9.09%, 9.09%	No further actions planned for 2021.	Two Tree Outside of ROW outages accounted for 49% of the total SAIDI and 33% of the total SAIFI. One Scheduled Company outage accounted for 16% of the total SAIDI and 16% of the total SAIFI.
2	HAZARD	3309901	SLEMP	DEFEATED CREEK	SR 699, Slemp	Defeated Creek Hwy 1103	7.84	33	4/11/2016	1744.1	3001.3	5.00	10.06	Tree Out Of ROW, Equipment Failure, Scheduled Company, Abnormal Feed, Other, Weather - High Winds (Exceeding 60 Mph), Facilitation Of Work	21.43%, 21.43%, 14.29%, 14.29%, 14.29%, 7.14%, 7.14%	Tree clearing scheduled for 2021.	Trees Out of ROW accounted for 39% of the total SAIDI, and 30% of the total SAIFI.
3	PIKEVILLE	3200204	BARRENSHE	POUNDING	Near State Highway 194 E, Freeburn	State Highway 194 E, Stopover; Woodman Creek Rd, Stopover	15.64	310	3/5/2019	1614.4	2208.6	6.13	6.99	Equipment Failure, Tree Out Of ROW, Scheduled Company, Weather - Unknown, Facilitation Of Work, Animal - Bird, Vine, Vehicle Accident (Non Aep), Corrosion	25.00%, 25.00%, 17.86%, 10.71%, 7.14%, 3.57%, 3.57%, 3.57%, 3.57%	No further actions planned for 2021.	Four Tree Out of ROW outages accounted for 44% of the total SAIDI and 42% of the total SAIFI.
4	PIKEVILLE	2150103	SPRIGG	MATEWAN	Lobata, KY	Sprigg, Lobata, Matewan, McCarr, Thacker	8.96	132	2/24/2018	1270.1	2041.3	5.25	4.69	Tree Out Of ROW, Equipment Failure, Unknown (Non Weather), Vine, Scheduled Company	50.00%, 25.00%, 12.50%, 6.25%, 6.25%	No further actions planned for 2021.	One Tree Out of ROW outage accounted for 66% of the total SAIDI and 46% of the total SAIFI.
5	HAZARD	3309902	SLEMP	LEATHERWOOD	SR 699, Slemp	Cornettsville, Slemp, Yeaddiss Road	70.39	793	11/18/2017	1019.7	1929.0	3.94	5.53	Tree Out Of ROW, Equipment Failure, Scheduled Company, Weather - High Winds (Exceeding 60 Mph), Unknown (Non Weather), Tree Inside ROW, Weather - Unknown, Weather - Ice (1/2 Inch Or > 6 " Snow), Vine, Foreign Object (Non Animal),Facilitation Of Work, Overload, Ug Const. /Dig-Ins (Non Aep), Vehicle Accident (Non Aep), Weather - Lightning, Error - Field, Tree Removal (Non Aep)	29.70%, 13.86%, 11.88%, 10.89%, 9.90%, 4.95%, 3.96%, 2.97%, 1.98%, 1.98%, 1.98%, 0.99%, 0.99%, 0.99%, 0.99%, 0.99%, 0.99%	Tree clearing scheduled for 2021.	Trees Out of ROW accounted for 28% of the total SAIDI, and Equipment Failure accounted for 31% of the total SAIFI.
6	PIKEVILLE	3403202	BEAVERCREEK	PRICE	17475 Ky Route 122, Hi Hat, KY 41636	Rt 122, Spewing Camp Branch	25.79	400	12/20/2019	837.7	1585.2	3.90	6.57	Tree Out Of ROW, Unknown (Non Weather), Equipment Failure, Vine, Other, Facilitation Of Work, Tree Removal (Non Aep), Weather - Lightning, Animal - Non Bird, Other Utility,Weather - Unknown, Scheduled Company, Tree Inside ROW	28.57%, 20.00%, 17.14%, 8.57%, 2.86%, 2.86%, 2.86%, 2.86%, 2.86%, 2.86%, 2.86%, 2.86%	Circuit Reconfiguration and Coordination Changes planned for 2021.	Three Tree Outside of ROW outages accounted for 63% of the total SAIDI and 42% of the total SAIFI.
7	PIKEVILLE	3202201	LOVELY	LOVELY	Hwy 292, Lovely, KY 41649	Beauty, Hode, Stepptown, Greyeagle, Warfield, Kermit	42.92	942	12/17/2016	1324.9	1517.3	5.73	7.89	Tree Out Of ROW, Equipment Failure, Unknown (Non Weather), Weather - Unknown, Vine, Scheduled Company, Animal - Bird, Other, Tree Inside ROW, Animal - Non Bird	30.00%, 15.00%, 15.00%, 13.33%, 8.33%, 8.33%, 3.33%, 3.33%, 1.67%, 1.67%	No further actions planned for 2021.	Four Tree Out of ROW outages accounted for 50% of the total SAIDI and 36% of the total SAIFI.
8	HAZARD	3302701	HAZARD	BLACKGOLD	East Main Street, Hazard	Viper, Hazard (downtown area)	32.93	412	10/21/2020	844.5	1394.1	4.91	8.95	Scheduled Company, Unknown (Non Weather), Facilitation Of Work, Equipment Failure, Vandalism, Weather - High Winds (Exceeding 60 Mph), Weather - Unknown, Tree Out Of ROW, Weather - Flood/Slide, Cust. Equipment > 1 Customer,Tree Inside ROW	28.57%, 22.86%, 8.57%, 8.57%, 5.71%, 5.71%, 5.71%, 5.71%, 2.86%, 2.86%, 2.86%	No further actions planned for 2021.	Tree Out of Row outages accounted for 29% of the total SAIDI and Unknown (Non Weather) accounted for 40% of the total SAIFI.

Section 5 - Circuit Report
Reporting Year : 2020

	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		
9	HAZARD	3303901	LESLIE	HYDEN	Azalea Dr, Wooten	Parts of Hyden, Confluence, Thousandsticks	89.92	903	3/11/2021	888.0	1301.6	3.81	4.18	Tree Out Of ROW, Equipment Failure, Unknown (Non Weather), Scheduled Company, Weather - Unknown, Animal - Non Bird, Facilitation Of Work, Tree Inside ROW, Vine, Weather - High Winds (Exceeding 60 Mph), Fire - Aep, Or Affecting > 1 Customer, Weather - Ice (1/2 Inch Or > 6 " Snow), Vehicle Accident (Non Aep), Cust. Equipment > 1 Customer, Other	32.48%, 11.11%, 10.26%, 8.55%, 6.84%, 5.98%, 5.98%, 5.98%, 5.98%, 5.13%, 3.42%, 0.85%, 0.85%, 0.85%, 0.85%, 0.85%	Tree clearing scheduled for 2021.	Tree Out of Row outages accounted for 45% of the total SAIDI and 36% of the total SAIFI.
10	PIKEVILLE	3200202	BARRENSHE	VULCAN	Near State Highway 194 E, Freeburn	State Highway 194 E, Stopover; Woodman Creek Rd, Stopover	41.35	666	6/18/2016	1184.2	1239.8	4.27	4.05	Tree Out Of ROW, Equipment Failure, Scheduled Company, Unknown (Non Weather), Animal - Bird, Weather - Unknown, Tree Inside ROW, Facilitation Of Work, Tree Removal (Non Aep), Vine	31.58%, 23.68%, 13.16%, 7.89%, 5.26%, 5.26%, 5.26%, 2.63%, 2.63%, 2.63%	Tree clearing scheduled for 2021.	Five Tree Out of ROW outages accounted for 84% of the total SAIDI and 69% of the total SAIFI.
11	HAZARD	3401302	FLEMING	MCRROBERTS	SR 343, Fleming Rd, off Arlie Hall Dr	Cromona, McRoberts, Neon, Seco	28.58	888	7/30/2016	584.4	1219.8	2.48	2.72	Unknown (Non Weather), Tree Out Of ROW, Facilitation Of Work, Equipment Failure, Tree Inside ROW, Scheduled Company, Vine, Weather - Unknown, Weather - Ice (1/2 Inch Or > 6 " Snow), Other, Animal - Non Bird, Animal - Bird	26.00%, 24.00%, 12.00%, 10.00%, 8.00%, 8.00%, 2.00%, 2.00%, 2.00%, 2.00%, 2.00%	Tree clearing scheduled for 2021.	Trees Out of ROW accounted for 91% of the total SAIDI, and 71% of the total SAIFI.
12	ASHLAND	3000203	BIG SANDY	YATESVILLE	23000 US Highway 23, Louisa, KY 41230	Route 3, Hwy 1185, Morgan Creek, Bells Trace	65.59	703	1/23/2016	536.1	1219.1	2.20	5.35	Tree Out Of ROW, Unknown (Non Weather), Equipment Failure, Scheduled Company, Animal - Non Bird, Weather - Lightning, Vine, Weather - Unknown, Animal - Bird, Tree Inside ROW	30.51%, 27.12%, 16.95%, 8.47%, 6.78%, 3.39%, 1.69%, 1.69%, 1.69%, 1.69%	Tree clearing scheduled for 2021.	One Tree out of ROW outage responsible for 30% of total SAIDI and 19% of total SAIFI.
13	PIKEVILLE	3202202	LOVELY	WOLFCREEK	Hwy 292, Lovely, KY 41649	Pilgrim, Threefork, Laura	60.52	749	11/10/2018	913.7	1185.0	3.54	5.80	Tree Out Of ROW, Scheduled Company, Unknown (Non Weather), Equipment Failure, Vine, Weather - Unknown, Facilitation Of Work, Animal - Non Bird, Tree Inside ROW, Animal - Bird, Other, Weather - Lightning	24.66%, 17.81%, 16.44%, 13.70%, 9.59%, 5.48%, 2.74%, 2.74%, 2.74%, 1.37%, 1.37%, 1.37%	No further actions planned for 2021.	Two Tree Out of ROW outages accounted for 25% of the total SAIDI and 18% of the total SAIFI. One Tree Scheduled Company outages accounted for 13% of the total SAIDI and 10% of the total SAIFI.
14	PIKEVILLE	3409402	FEDSCREEK	LICKCREEK	US Route 460, Lick Creek	Mikegrady, Honey Fork	17.56	328	5/30/2020	630.4	1181.3	2.37	1.80	Unknown (Non Weather), Tree Out Of ROW, Weather - High Winds (Exceeding 60 Mph), Equipment Failure, Weather - Unknown, Facilitation Of Work	50.00%, 16.67%, 11.11%, 11.11%, 5.56%, 5.56%	No further actions planned for 2021.	One Weather - High Winds (Exceeding 60 MPH) outage accounted for 56% of the total SAIDI and 57% of the total SAIFI.
15	PIKEVILLE	3421002	BREAKS	LITTLE GRASSY	63 Lower Branch Road, Elkhorn City, KY 41522	Breaks, Elkhorn City	3.47	38	3/23/2018	355.0	1176.1	1.39	2.58	Tree Out Of ROW, Equipment Failure, Scheduled Company	50.00%, 25.00%, 25.00%	No further actions planned for 2021.	One Tree Out of ROW outage accounted for 86% of the total SAIDI and 39% of the total SAIFI.
16	HAZARD	3308603	COLLIER	SMOOTCRK	Cinnamon Rd, Collier	Premium, Smoot Creek	79.29	913	12/13/2019	765.7	1174.5	4.26	6.37	Scheduled Company, Tree Out Of ROW, Unknown (Non Weather), Equipment Failure, Facilitation Of Work, Weather - High Winds (Exceeding 60 Mph), Tree Inside ROW, Other, Vehicle Accident (Non Aep), Weather - Ice (1/2 Inch Or > 6 " Snow), Weather - Lightning, Animal - Non Bird, Tree Removal (Non Aep)	31.58%, 19.55%, 14.29%, 12.03%, 11.28%, 3.01%, 2.26%, 1.50%, 1.50%, 0.75%, 0.75%, 0.75%, 0.75%	No further actions planned for 2021.	Trees Out of ROW accounted for 54% of the total SAIDI, and Equipment Failure accounted for 37% of the total SAIFI.

Section 5 - Circuit Report
Reporting Year : 2020

	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		
17	PIKEVILLE	3407102	TOPMOST	CANEY	7429 South Highway 7, Topmost, KY 41862	Huff & Sloan Branch	3.06	3	4/15/2016	728.0	1152.7	1.77	2.33	Tree Out Of ROW, Scheduled Company	66.67%, 33.33%	Tree clearing scheduled for 2021.	One Tree Outside of ROW outage accounted for 61% of the total SAIDI and 33% of the total SAIFI.
18	HAZARD	3303902	LESLIE	WOOTON	Azalea Dr, Wooton	Cutshin, Smilax, Cinda	129.32	1,467	12/10/2020	967.5	1120.4	5.44	5.46	Scheduled Company, Tree Out Of ROW, Equipment Failure, Facilitation Of Work, Weather - Unknown, Animal - Non Bird, Unknown (Non Weather), Weather - High Winds (Exceeding 60 Mph), Weather - Ice (1/2 Inch Or > 6 " Snow), Vine, Tree Inside ROW, Vandalism, Animal - Bird, Vehicle Accident (Non Aep), Abnormal Feed, Tree Removal (Non Aep), Corrosion, Cust. Equipment > 1 Customer, Scheduled Outside Request > 1 Customer	28.71%, 20.79%, 11.88%, 10.40%, 6.93%, 5.45%, 4.46%, 1.49%, 1.49%, 1.49%, 1.49%, 0.99%, 0.99%, 0.99%, 0.50%, 0.50%, 0.50%, 0.50%	No further actions planned for 2021.	Tree Out of Row outages accounted for 38% of the total SAIDI and 21% of the total SAIFI.
19	HAZARD	3309903	SLEMP	BEECH FORK	SR 699, Slemp	SR 699, Old Beech Fork Road	1.72	3	12/17/2016	416.7	1097.0	1.07	3.00	Equipment Failure, Vehicle Accident (Non Aep), Other	33.33%, 33.33%, 33.33%	Tree clearing scheduled for 2021.	Equipment Failure accounted for 74% of the total SAIDI and 33% of the total SAIFI.
20	PIKEVILLE	3403701	RUSSELL FORK	LITTLE BEAVER	3354 Beaver Creek Road, Elkhorn, KY 41522	Elkhorn City	12.28	131	12/16/2017	854.9	1095.5	3.32	3.66	Tree Out Of ROW, Equipment Failure, Vine, Scheduled Company, Tree Inside ROW	71.43%, 7.14%, 7.14%, 7.14%, 7.14%	No further actions planned for 2021.	One Tree Out of ROW outage accounted for 33% of the total SAIDI and 34% of the total SAIFI.
21	HAZARD	3303903	LESLIE	HALSFORK	Azalea Dr, Wooton	Parts of Hyden, Sizerock, Thousandsticks	76.68	993	5/9/2019	866.8	1058.0	4.49	3.68	Tree Out Of ROW, Equipment Failure, Scheduled Company, Unknown (Non Weather), Weather - Unknown, Animal - Bird, Animal - Non Bird, Facilitation Of Work, Weather - Flood/Slide, Scheduled Outside Request > 1 Customer, Error - Field, Weather - Ice (1/2 Inch Or > 6 " Snow)	27.54%, 15.94%, 15.94%, 8.70%, 7.25%, 5.80%, 5.80%, 4.35%, 1.45%, 1.45%, 1.45%, 1.45%, 1.45%, 1.45%	No further actions planned for 2021.	Tree Out of Row outages accounted for 79% of the total SAIDI.
22	HAZARD	3308503	BONNYMAN	BIG CREEK	Typo Rd, Bonnyman	Typo, Bigcreek	95.90	1,787	9/4/2019	840.7	1039.1	2.59	1.99	Tree Out Of ROW, Equipment Failure, Scheduled Company, Unknown (Non Weather), Vine, Facilitation Of Work, Animal - Bird, Weather - Unknown, Weather - High Winds (Exceeding 60 Mph), Tree Inside ROW, Animal - Non Bird, Error - Field, Foreign Object (Non Animal), Ug Const. /Dig-Ins (Non Aep), Vandalism, Other	27.18%, 18.45%, 18.45%, 7.77%, 3.88%, 3.88%, 3.88%, 2.91%, 2.91%, 2.91%, 0.97%, 0.97%, 0.97%, 0.97%	No further actions planned for 2021.	Equipment Failure accounted for 47% of the total SAIDI.
23	ASHLAND	3008001	47TH STREET	49TH STREET	US 23 and 47th St, Catlettsburg	47th St, 48th St, 49th St, Ridgeway Rd, Blackburn Ave, Shadowland Dr	27.24	1,543	12/27/2018	367.8	1030.3	1.62	2.80	Unknown (Non Weather), Tree Out Of ROW, Equipment Failure, Vine, Animal - Non Bird, Tree Inside ROW, Scheduled Company, Vehicle Accident (Non Aep), Tree Removal (Non Aep), Other	27.12%, 25.42%, 22.03%, 6.78%, 5.08%, 5.08%, 3.39%, 1.69%, 1.69%, 1.69%	Station transformer bushings replaced in 2021.	Equipment Failure related outages accounted for 72% of total SAIDI and 41% of total SAIFI. Tree out of ROW accounted for 25% of total SAIDI and 50% of total SAIFI.
24	HAZARD	3309904	SLEMP	ROYAL DIAMOND	SR 699, Slemp	SR 463, Stony Fork Road	2.30	2	12/15/2015	307.3	968.0	0.90	3.00	Equipment Failure, Vehicle Accident (Non Aep), Other	33.33%, 33.33%, 33.33%	Tree clearing scheduled for 2021.	Equipment Failure accounted for 56% of the total SAIDI and 33% of the total SAIFI.

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Reporting Year : 2020

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										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		
25	HAZARD	3312202	ENGL	GRAPEVINE	Coalfield Industrial Dr, Engle	Manuel, Krypton, Dunraven	101.18	1,300	4/10/2020	1027.9	960.2	3.68	4.60	Equipment Failure, Tree Out Of ROW, Unknown (Non Weather), Scheduled Company, Vehicle Accident (Non Aep), Weather - Unknown, Facilitation Of Work, Weather - Ice (1/2 Inch Or > 6 " Snow), Animal - Bird, Weather - Flood/Slide, Weather - Lightning, Foreign Object (Non Animal), Animal Bus, Animal - Non Bird, Vine, Tree Inside ROW	22.22%, 18.89%, 18.89%, 16.67%, 4.44%, 3.33%, 3.33%, 2.22%, 2.22%, 1.11%, 1.11%, 1.11%, 1.11%, 1.11%, 1.11%, 1.11%	No further actions planned for 2021.	Equipment Failure accounted for 35% and an Animal Bus contact accounted for 22% of the total SAIFI.
26	PIKEVILLE	3401801	INDEX	DISTRIBUTION	6075 Liberty Rd., West Liberty. KY 26074	West Liberty, Harper Branch, Hwy 460E, May Branch, Elsie, Long Branch	56.12	629	8/5/2017	475.1	941.7	2.19	3.49	Equipment Failure, Animal - Non Bird, Tree Out Of ROW, Scheduled Company, Unknown (Non Weather), Tree Inside ROW, Facilitation Of Work, Cust. Equipment > 1 Customer, Vandalism, Animal - Bird	33.33%, 17.78%, 15.56%, 13.33%, 4.44%, 4.44%, 4.44%, 2.22%, 2.22%, 2.22%	Tree clearing scheduled for 2021.	One Tree Outside of ROW outage accounted for 39% of the total SAIDI and 29% of the total SAIFI. One Equipment Failure outage accounted for 28% of the total SAIDI and 56% of the total SAIFI.
27	PIKEVILLE	3411801	JOHNSCREEK	META	3697 State Highway 194E, Kimper, KY 41539	McCombs, Gulnare, Mayflowe, Varney, Meta	160.63	1,993	4/30/2019	997.5	910.9	4.54	5.19	Tree Out Of ROW, Scheduled Company, Equipment Failure, Unknown (Non Weather), Animal - Non Bird, Vine, Weather - Unknown, Facilitation Of Work, Other, Vehicle Accident (Non Aep), Tree Inside ROW, Ug Const. /Dig-Ins (Non Aep), Weather - Flood/Slide, Foreign Object (Non Animal), Unbalance, Error - Field, Other Utility, Animal - Bird	22.73%, 22.08%, 16.88%, 13.64%, 5.84%, 3.90%, 3.25%, 2.60%, 1.95%, 1.30%, 1.30%, 0.65%, 0.65%, 0.65%, 0.65%, 0.65%, 0.65%, 0.65%	No further actions planned for 2021.	One Equipment Failure outage accounted for 12% of the total SAIDI and 19% of the total SAIFI. One Tree Out of ROW outage accounted for 10% of the total SAIDI and 9% of the total SAIFI.
28	HAZARD	3311401	REEDY STATION	DEANE	HWY 1469 Virgie, KY	Hwy 1469 Long Fork Hwy 7	39.49	404	3/18/2017	587.6	839.4	3.13	2.41	Unknown (Non Weather), Equipment Failure, Tree Out Of ROW, Scheduled Company, Vine, Tree Inside ROW, Weather - Ice (1/2 Inch Or > 6 " Snow), Other, Weather - Unknown, Facilitation Of Work, Animal - Non Bird	24.39%, 21.95%, 19.51%, 12.20%, 4.88%, 4.88%, 2.44%, 2.44%, 2.44%, 2.44%	Tree clearing scheduled for 2021.	Trees Out of ROW accounted for 50% of the total SAIDI.
29	PIKEVILLE	3413402	GARRETT	LACKEY	611 Stonecoal Road, Garrett, KY 41630	Hwy 550, Jones Fork, Waylon	34.13	525	1/28/2017	614.7	805.7	2.88	5.27	Tree Out Of ROW, Scheduled Company, Unknown (Non Weather), Equipment Failure, Facilitation Of Work, Vine, Animal - Non Bird, Tree Removal (Non Aep), Tree Inside ROW, Weather - Flood/Slide, Animal - Bird, Scheduled Outside Request > 1 Customer, Vehicle Accident (Non Aep)	26.53%, 24.49%, 8.16%, 8.16%, 8.16%, 4.08%, 4.08%, 4.08%, 4.08%, 2.04%, 2.04%, 2.04%, 2.04%	Tree clearing scheduled for 2021.	One Tree Outside of ROW outage accounted for 33% of the total SAIDI and 19% of the total SAIFI. One Vehicle Accident (Non AEP) outage accounted for 18% of the total SAIDI and 16% of the total SAIFI. One Weather - Flood/Slide outage accounted for 15% of the total SAIDI and 11% of the total SAIFI.
30	PIKEVILLE	3201001	TOM WATKINS	DISTRIBUTION	3271 Pond Creek Road, McAndrew, KY 4155	Huddy, McAndrew, McVeigh, Pinsonfork, Stone	28.11	809	1/21/2017	905.8	762.0	3.31	3.72	Equipment Failure, Tree Out Of ROW, Scheduled Company, Vine, Unknown (Non Weather), Facilitation Of Work, Weather - Unknown, Animal - Non Bird, Other, Foreign Object (Non Animal), Error - Field, Tree Inside ROW	27.91%, 25.58%, 11.63%, 4.65%, 4.65%, 4.65%, 4.65%, 4.65%, 2.33%, 2.33%, 2.33%	No further actions planned for 2021.	Four Tree Out of ROW outages accounted for 53% of the total SAIDI and 29% of the total SAIFI.
31	HAZARD	3308601	COLLIER	UPPERROCK	Cinnamon Rd, Collier	Elkhorn, Camp Branch	37.44	694	7/6/2020	460.8	759.2	2.57	4.70	Scheduled Company, Tree Out Of ROW, Equipment Failure, Unknown (Non Weather), Vehicle Accident (Non Aep), Tree Inside ROW, Weather - High Winds (Exceeding 60 Mph), Facilitation Of Work, Weather - Ice (1/2 Inch Or > 6 " Snow), Weather - Unknown, Fire - Aep, Or Affecting > 1 Customer, Cust. Equipment > 1 Customer	30.00%, 18.33%, 16.67%, 11.67%, 5.00%, 5.00%, 3.33%, 3.33%, 1.67%, 1.67%, 1.67%, 1.67%	No further actions planned for 2021.	Vehicle Accident accounted for 54% of the total SAIDI, and 57% of the total SAIFI.
32	PIKEVILLE	3400601	BURTON	BEVINSONVILLE	85 Upper Burton, Bypro, KY 41612	Jacks, Creek, Orchard Fork, Riley's Branch	19.57	331	12/20/2019	419.0	722.4	2.49	4.21	Tree Out Of ROW, Unknown (Non Weather), Equipment Failure, Facilitation Of Work, Vine, Animal - Non Bird, Tree Inside ROW, Scheduled Company, Scheduled Outside Request > 1 Customer	26.09%, 26.09%, 13.04%, 8.70%, 8.70%, 4.35%, 4.35%, 4.35%, 4.35%	No further actions planned for 2021.	One Tree Inside of ROW outage accounted for 53% of the total SAIDI and 45% of the total SAIFI.

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										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		
33	HAZARD	3308602	COLLIER	LOWERROCK	Cinnamon Rd, Collier	Van, Roxana	63.26	1,407	11/30/2018	521.5	705.0	2.87	2.44	Scheduled Company, Tree Out Of ROW, Unknown (Non Weather), Equipment Failure, Weather - High Winds (Exceeding 60 Mph), Facilitation Of Work, Weather - Ice (1/2 Inch Or > 6 " Snow), Weather - Unknown, Tree Inside ROW, Cust. Equipment > 1 Customer, Vehicle Accident (Non Aep), Animal - Non Bird, Vine	26.37%, 20.88%, 16.48%, 9.89%, 6.59%, 4.40%, 3.30%, 3.30%, 2.20%, 2.20%, 2.20%, 1.10%, 1.10%	No further actions planned for 2021.	Trees Out of ROW accounted for 53% of the total SAIDI.
34	HAZARD	3308001	JACKSON	S.JACKSON	Cripple Creek Rd, Jackson	City of Jackson	26.74	935	1/18/2020	250.4	692.2	1.79	5.61	Tree Out Of ROW, Equipment Failure, Facilitation Of Work, Foreign Object (Non Animal), Unknown (Non Weather), Scheduled Company, Tree Removal (Non Aep), Animal - Bird, Animal - Non Bird	26.47%, 26.47%, 11.76%, 11.76%, 11.76%, 8.82%, 5.88%, 2.94%, 2.94%, 2.94%	No further actions planned for 2021.	Equipment Failure accounted for 85% of the total SAIDI and 89% of the total SAIFI.
35	HAZARD	3309003	JEFF	VIPER	HWY 7, Jeff	Maces Creek Upper River Rd.	67.39	1,000	8/23/2019	631.0	688.8	2.69	2.72	Tree Out Of ROW, Unknown (Non Weather), Scheduled Company, Weather - High Winds (Exceeding 60 Mph), Equipment Failure, Fire - Aep, Or Affecting > 1 Customer, Vine, Facilitation Of Work, Weather - Ice (1/2 Inch Or > 6 " Snow), Other, Weather - Unknown, Animal - Non Bird, Tree Inside ROW, Vehicle Accident (Non Aep)	34.15%, 13.41%, 12.20%, 7.32%, 7.32%, 4.88%, 3.66%, 3.66%, 2.44%, 2.44%, 2.44%, 2.44%, 2.44%, 1.22%	No further actions planned for 2021.	Trees Out of ROW accounted for 40% of the total SAIDI, and 29% of the total SAIFI.
36	HAZARD	3420001	SOFT SHELL	VEST	Raymond Smith Dr, Leburn	Soft Shell, Vest, Tina	56.92	540	4/6/2016	515.6	685.1	2.25	2.87	Tree Out Of ROW, Scheduled Company, Unknown (Non Weather), Animal - Non Bird, Tree Inside ROW, Weather - Unknown, Equipment Failure, Facilitation Of Work, Weather - High Winds (Exceeding 60 Mph), Weather - Flood/Slide/Vine	25.00%, 22.22%, 13.89%, 8.33%, 5.56%, 5.56%, 5.56%, 5.56%, 2.78%, 2.78%, 2.78%	Tree clearing scheduled for 2021.	Trees Out of ROW accounted for 38% of the total SAIDI and 48% of the total SAIFI.
37	HAZARD	3310502	HADDIX	CANOE	HWY 1110, Haddix	Buckhorn, Canoe	122.82	1,117	12/9/2017	1073.9	682.8	4.21	4.56	Tree Out Of ROW, Equipment Failure, Unknown (Non Weather), Scheduled Company, Facilitation Of Work, Weather - Unknown, Tree Inside ROW, Scheduled Outside Request > 1 Customer, Vine, Weather - Ice (1/2 Inch Or > 6 " Snow), Vehicle Accident (Non Aep), Vandalism	25.58%, 19.77%, 16.28%, 15.12%, 5.81%, 4.65%, 3.49%, 3.49%, 2.33%, 1.16%, 1.16%, 1.16%	No further actions planned for 2021.	Equipment Failure accounted for 38% of the total SAIFI.
38	ASHLAND	3000202	BIG SANDY	BURNAUG-North	23000 US Highway 23, Louisa, KY 41230	North of station along US23 including Blain Creek, Mill Creek, Bear Creek and Rush Creek	87.36	798	3/13/2021	583.1	675.8	2.01	3.25	Unknown (Non Weather), Tree Out Of ROW, Equipment Failure, Scheduled Company, Tree Inside ROW, Animal - Non Bird, Vine, Vehicle Accident (Non Aep), Weather - Lightning, Facilitation Of Work, Weather - Unknown, Animal - Bird, Unbalance	28.74%, 27.59%, 14.94%, 8.05%, 6.90%, 4.60%, 2.30%, 1.15%, 1.15%, 1.15%, 1.15%, 1.15%	Tree clearing completed in 2021.	One Animal - Bird outage accounted for 31% of total SAIDI and 30% of total SAIFI. Tree out of ROW accounted for 25% of total SAIDI and 18% of total SAIFI.
39	PIKEVILLE	3420101	MAYO TRAIL	NIPPA	632 Ponderosa Drive, Paintsville, KY 41240	KY Route 581, Main Camp Branch, Whippoorwill Road, US Highway 23, KY Route 993	22.97	489	10/7/2017	276.6	668.2	1.49	2.92	Tree Out Of ROW, Animal - Non Bird, Vine, Equipment Failure, Scheduled Company, Facilitation Of Work, Animal - Bird, Error - Operations	23.81%, 23.81%, 14.29%, 14.29%, 9.52%, 4.76%, 4.76%, 4.76%	No further actions planned for 2021.	Two Tree Outside of ROW outages accounted for 87% of the total SAIDI and 60% of the total SAIFI.
40	PIKEVILLE	3401702	HENRYCLAY	REGINA	6949 Marrowbone Creek Road, Marrowbone, KY 41522	Lookout, Rockhouse, Dry Fork, Ratliff, Venter	116.00	2,550	9/16/2017	602.8	636.8	3.59	3.37	Tree Out Of ROW, Unknown (Non Weather), Equipment Failure, Scheduled Company, Vine, Tree Inside ROW, Weather - Unknown, Animal - Non Bird, Tree Removal (Non Aep), Facilitation Of Work, Animal - Bird, Vandalism	26.43%, 17.86%, 17.86%, 10.00%, 9.29%, 7.86%, 3.57%, 2.86%, 1.43%, 1.43%, 0.71%, 0.71%	No further actions planned for 2021.	One Equipment Failure outage accounted for 31% of the total SAIDI and 29% of the total SAIFI. One Tree Out of ROW outages accounted for 28% of the total SAIDI and 29% of the total SAIFI.
41	HAZARD	3309301	VICCO	REDFOX	Rowdy Hollow, Vicco	Sassafras, Big Branch, Hwy 155	47.86	530	7/11/2020	458.1	607.1	2.60	3.68	Tree Out Of ROW, Scheduled Company, Unknown (Non Weather), Weather - Unknown, Equipment Failure, Tree Inside ROW, Tree Removal (Non Aep), Animal - Bird, Facilitation Of Work, Fire - Aep, Or Affecting > 1 Customer, Weather - High Winds (Exceeding 60 Mph)	26.42%, 18.87%, 11.32%, 9.43%, 9.43%, 7.55%, 5.66%, 3.77%, 3.77%, 1.89%, 1.89%	No further actions planned for 2021.	A wind storm accounted for 23% of the total SAIDI and a Tree Removal (Non AEP) accounted for 39% of the total SAIFI.
42	ASHLAND	3000901	HIGHLAND	Russell	437.5 Greenup Avenue, Raceland, KY 41169	Riverside Dr, Prospect Ave, Vernon St, Caroline Rd, SR 693	26.73	1,357	3/27/2020	171.2	603.1	1.01	1.95	Equipment Failure, Unknown (Non Weather), Scheduled Company, Tree Out Of ROW, Weather - Lightning, Weather - Unknown, Facilitation Of Work, Tree Inside ROW, Animal - Bird, Vine, Vehicle Accident (Non Aep)	25.00%, 23.44%, 18.75%, 15.63%, 4.69%, 3.13%, 3.13%, 1.56%, 1.56%, 1.56%, 1.56%	No further actions planned for 2021.	Equipment Failure outages accounted for 70% of total SAIDI and 50% of total SAIFI. One Equipment Failure outage (circuit breaker) accounted for 57% of total SAIDI and 29% of total SAIFI.

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										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		
43	PIKEVILLE	3410501	S.PIKEVILLE	PIKEVILLE	332 South Mayo Trail, Pikeville KY 41501	City of Pikeville	13.83	688	4/8/2017	346.8	595.0	1.31	1.84	Tree Out Of ROW, Scheduled Company, Equipment Failure, Vine, Unknown (Non Weather), Weather - Unknown, Tree Inside ROW, Other Utility, Error - Field	25.81%, 19.35%, 16.13%, 9.68%, 9.68%, 6.45%, 6.45%, 3.23%, 3.23%	No further actions planned for 2021.	One Tree Out of ROW outage accounted for 74% of the total SAIDI and 34% of the total SAIFI.
44	HAZARD	3300602	BLUEGRASS	HAZARD	Messer Branch, Hazard	Hazard, Gorman Hollow	11.19	630	5/29/2020	316.9	589.4	1.68	1.06	Tree Out Of ROW, Equipment Failure, Unknown (Non Weather), Tree Inside ROW, Animal - Bird, Facilitation Of Work, Scheduled Company	42.11%, 26.32%, 10.53%, 5.26%, 5.26%, 5.26%, 5.26%	No further actions planned for 2021.	Equipment Failure accounted for 72% of the total SAIDI.
45	HAZARD	3311103	STINNETT	WENDOVER	Greasy Creek Road, Stinnett	HWY 421 Stinnett Cr Muncy Cr.	36.05	518	11/9/2018	462.4	569.9	3.24	3.07	Unknown (Non Weather), Scheduled Company, Animal - Non Bird, Weather - Unknown, Tree Out Of ROW, Weather - High Winds (Exceeding 60 Mph), Equipment Failure, Facilitation Of Work, Fire - Aep, Or Affecting > 1 Customer	21.28%, 19.15%, 14.89%, 12.77%, 12.77%, 6.38%, 6.38%, 4.26%, 2.13%	No further actions planned for 2021.	Trees Out of ROW accounted for 30% of the total SAIDI.
46	HAZARD	3310503	HADDIX	TROUBLESOME CRK	SR 1110, Haddix	Clayhole, Hardshell, Lost Creek, Rowdy	92.12	990	3/29/2018	575.7	564.1	2.59	2.61	Tree Out Of ROW, Equipment Failure, Scheduled Company, Unknown (Non Weather), Weather - Unknown, Scheduled Outside Request > 1 Customer, Vine, Tree Removal (Non Aep), Facilitation Of Work, Tree Inside ROW, Weather - Ice (1/2 Inch Or > 6" Snow), Fire - Aep, Or Affecting > 1 Customer, Other Utility, Vehicle Accident (Non Aep)	27.50%, 22.50%, 8.75%, 7.50%, 7.50%, 3.75%, 3.75%, 3.75%, 3.75%, 3.75%, 2.50%, 2.50%, 1.25%, 1.25%	Tree clearing scheduled for 2021.	Equipment Failure accounted for 42% of the total SAIFI.
47	HAZARD	3314402	MAYKING	MILLSTONE	HWY 119, Mayking	Mayking, Thornton	53.52	924	12/15/2015	576.6	549.2	2.62	4.31	Unknown (Non Weather), Equipment Failure, Tree Out Of ROW, Scheduled Company, Facilitation Of Work, Weather - Unknown, Animal - Non Bird, Tree Inside ROW, Vine, Other Utility, Overload	25.00%, 19.44%, 18.06%, 15.28%, 5.56%, 4.17%, 4.17%, 2.78%, 2.78%, 1.39%, 1.39%	Tree clearing scheduled for 2021.	Equipment Failure accounted for 69% of the total SAIFI.
48	PIKEVILLE	3403001	PIKEVILLE	CITY	144 Williams Drive, Pikeville, KY 41501	Northmonte Woods, N Bypass Rd, Town Mountain Rd and Chloe Rd	23.73	1,218	8/15/2020	332.5	512.5	2.31	2.55	Scheduled Company, Equipment Failure, Tree Out Of ROW, Weather - Unknown, Vine, Weather - Flood/Slide, Vehicle Accident (Non Aep), Contamination/Flashover, Error - Field, Animal - Non Bird, Tree Inside ROW	40.35%, 26.32%, 14.04%, 5.26%, 3.51%, 1.75%, 1.75%, 1.75%, 1.75%, 1.75%, 1.75%	No further actions planned for 2021.	One Equipment Failure outage accounted for 39% of the total SAIDI and 98% of the total SAIFI.
49	HAZARD	3401301	FLEMING	NEON	SR 343, Fleming Rd, off Arlie Hall Dr	SR 343, Fleming Rd, SR 317, Fleming Neon	20.30	709	11/12/2016	407.1	511.4	1.83	1.52	Tree Out Of ROW, Unknown (Non Weather), Scheduled Company, Equipment Failure, Weather - Unknown, Tree Inside ROW	44.00%, 16.00%, 16.00%, 16.00%, 4.00%, 4.00%	Tree clearing scheduled for 2021.	Trees Out of ROW accounted for 98% of the total SAIDI.

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										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		
50	PIKEVILLE	3120101	STANVILLE	MUDCREEK	Williams Dr, Stanville, KY 41659	Big Mud Creek, Little Mud Creek, Prater Creek	85.24	1,693	3/18/2019	334.0	498.9	1.81	2.65	Equipment Failure, Tree Out Of ROW, Unknown (Non Weather), Scheduled Company, Weather - Unknown, Tree Inside ROW, Vine, Animal - Non Bird, Other, Vehicle Accident (Non Aep)	24.05%, 21.52%, 21.52%, 15.19%, 5.06%, 5.06%, 2.53%, 2.53%, 1.27%, 1.27%	No further actions planned for 2021.	One Equipment Failure outage accounted for 18% of the total SAIDI and 37% of the total SAIFI. One Tree Inside of ROW outage accounted for 19% of the total SAIDI and 12% of the total SAIFI..
51	HAZARD	3312901	JENKINS	KONA	Gateway Industrial Park Rd, Jenkins	Hwy 119 Hwy 113	27.26	491	12/15/2017	313.1	473.8	2.02	2.96	Unknown (Non Weather), Tree Out Of ROW, Scheduled Company, Equipment Failure, Animal - Non Bird, Weather - High Winds (Exceeding 60 Mph), Weather - Ice (1/2 Inch Or > 6 " Snow), Other, Vehicle Accident (Non Aep), Tree Removal (Non Aep)	29.73%, 24.32%, 8.11%, 8.11%, 8.11%, 5.41%, 5.41%, 5.41%, 2.70%, 2.70%	No further actions planned for 2021.	Trees Out of ROW accounted for 51% of the total SAIDI, and 46% of the total SAIFI.
52	PIKEVILLE	3414302	SIDNEY	COBURN MTN	482 North Big Creek Road, Sidney, KY 41564	Canada, Sidney	41.30	868	2/20/2020	245.3	456.4	0.92	1.74	Tree Out Of ROW, Unknown (Non Weather), Equipment Failure, Scheduled Company, Animal - Non Bird, Vine, Tree Inside ROW, Cust. Equipment > 1 Customer, Facilitation Of Work, Tree Removal (Non Aep), Unbalance	23.26%, 20.93%, 20.93%, 9.30%, 6.98%, 4.65%, 4.65%, 2.33%, 2.33%, 2.33%, 2.33%	No further actions planned for 2021.	Two Tree Out of ROW outages accounted for 72% of the total SAIDI and 70% of the total SAIFI.
53	ASHLAND	3008002	47TH STREET	39TH STREET	US 23 and 47th St, Catlettsburg	39th st and Belmont, Ashland	13.02	1,148	8/20/2016	168.1	444.1	1.32	3.36	Tree Out Of ROW, Scheduled Company, Equipment Failure, Unknown (Non Weather), Facilitation Of Work, Animal - Non Bird, Weather - Unknown, Vine, Vehicle Accident (Non Aep), Tree Inside ROW	25.58%, 18.60%, 18.60%, 16.28%, 6.98%, 4.65%, 2.33%, 2.33%, 2.33%, 2.33%	Station transformer bushings replaced in 2021. Tree clearing scheduled for 2021. Tie line project for increased capacity scheduled for 2021.	Equipment Failure outages accounted for 67% of total SAIDI and 62% of total SAIFI. One Equipment failure outage (transmission) accounted for 53% of total SAIDI and 43% of total SAIFI.
54	PIKEVILLE	3401703	HENRYCLAY	ASHCAMP	6949 Marrowbone Creek Road, Marrowbone, KY 41522	Ashcamp, Elkhorn City Hellier, Lookout, Regina, Rockhouse	42.22	767	10/15/2016	485.0	425.6	2.66	2.68	Unknown (Non Weather), Scheduled Company, Vine, Equipment Failure, Tree Out Of ROW, Tree Inside ROW, Weather - Unknown, Tree Removal (Non Aep), Vehicle Accident (Non Aep), Animal - Non Bird, Cust. Equipment > 1 Customer	16.67%, 16.67%, 14.58%, 14.58%, 8.33%, 4.17%, 4.17%, 2.08%, 2.08%, 2.08%	Tree clearing scheduled for 2021.	One Equipment Failure outage accounted for 43% of the total SAIDI and 37% of the total SAIFI.
55	ASHLAND	3001003	HITCHINS	GRAYSON	3655 State Highway 773, Hitchins, KY 41146	SR 1, Beech Grove, Canoe Run, Stinson Rd, US 60	47.59	997	4/15/2017	339.0	424.7	1.82	2.44	Unknown (Non Weather), Tree Out Of ROW, Equipment Failure, Scheduled Company, Tree Removal (Non Aep), Facilitation Of Work, Animal - Non Bird, Tree Inside ROW, Vine, Animal - Bird, Cust. Equipment > 1 Customer	32.76%, 20.69%, 13.79%, 12.07%, 5.17%, 5.17%, 1.72%, 1.72%, 1.72%, 1.72%, 1.72%	Tree clearing scheduled for 2021.	Tree out of ROW accounted for 56% of total SAIDI and 46% of total SAIFI. Equipment failure accounted for 40% of total SAIDI and 41% of total SAIFI. One Equipment Failure outage accounted for 39% of total SAIDI and 41% of total SAIFI. One Tree out of ROW outage accounted for 32% of total SAIDI and 29% of total SAIFI.
56	PIKEVILLE	3408103	SALISBURY	MARTIN	2241 Ky Rt 122, Printer, KY 41655	City of Martin, Alphoretta, Hite, Ky Route 80, Bucks Branch, Hite	46.59	1,061	5/17/2018	320.9	424.6	2.06	1.90	Equipment Failure, Scheduled Company, Tree Out Of ROW, Unknown (Non Weather), Tree Removal (Non Aep), Weather - High Winds (Exceeding 60 Mph), Tree Inside ROW, Animal - Non Bird, Vine, Weather - Unknown, Animal - Bird, Vandalism, Vehicle Accident (Non Aep), Facilitation Of Work	21.82%, 21.82%, 21.82%, 7.27%, 5.45%, 3.64%, 3.64%, 3.64%, 1.82%, 1.82%, 1.82%, 1.82%, 1.82%, 1.82%	No further actions planned for 2021.	One Tree Inside of ROW outage accounted for 42% of the total SAIDI and 53% of the total SAIFI.

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										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		
57	ASHLAND	3117602	PRINCESS	RT 180	Off Paul Coffey Blvd, along Mackey Ln, Ashland	SR 5, Straight Creek Road, Buena Vista Dr, East Park Industrial Sites	25.50	295	2/6/2021	345.5	403.0	2.21	1.51	Unknown (Non Weather), Equipment Failure, Tree Out Of ROW, Scheduled Company, Weather Unknown	29.41%, 23.53%, 23.53%, 17.65%, 5.88%	No further actions planned for 2021.	Tree out of ROW accounted for 97% of total SAIDI and 93% of total SAIFI. One Tree out of ROW outage accounted for 65% of total SAIDI and 44% of total SAIFI.
58	HAZARD	3308404	BECKHAM	PIPPA PASSES	SR 899, Beckham	Hollybush, Mallie, Pippa Passes, Pine Top	55.99	1,048	7/31/2019	298.6	402.8	1.66	1.42	Tree Out Of ROW, Equipment Failure, Unknown (Non Weather), Scheduled Company, Animal - Non Bird, Animal - Bird, Tree Inside ROW, Vine, Tree Removal (Non Aep), Weather - Unknown, Error - Field, Vehicle Accident (Non Aep)	38.78%, 20.41%, 10.20%, 8.16%, 4.08%, 4.08%, 4.08%, 2.04%, 2.04%, 2.04%, 2.04%	No further actions planned for 2021.	Tree Out of Row outages accounted for 80% of the total SAIDI.
59	ASHLAND	3003703	COALTON	TRACE CREEK	2449 South Big Run Rd, Meads, KY 41101	Trace Road, Four Mile Rd, SR 3, SR 854, Rush	85.41	858	10/21/2017	380.1	394.7	2.46	1.84	Unknown (Non Weather), Tree Out Of ROW, Equipment Failure, Scheduled Company, Tree Inside ROW, Tree Removal (Non Aep), Vine, Weather - Unknown, Weather - Ice (1/2 Inch Or > 6 " Snow)	34.38%, 28.13%, 15.63%, 10.94%, 3.13%, 3.13%, 1.56%, 1.56%	No further actions planned for 2021.	Tree out of ROW outages accounted for 82% of total SAIDI and 87% of total SAIFI. One Tree out of ROW outage accounted for 35% of total SAIDI and 54% of total SAIFI.
60	HAZARD	3302704	HAZARD	KENMONT	East Main Street, Hazard	Hazard, Forseam, Storm King	20.14	738	11/29/2018	330.9	373.3	2.12	2.61	Scheduled Company, Unknown (Non Weather), Tree Out Of ROW, Equipment Failure, Vine, Tree Inside ROW, Weather - Flood/Slide, Weather - Unknown, Weather - Lightning, Facilitation Of Work, Fire - Aep, Or Affecting > 1 Customer, Animal - Bird	24.24%, 15.15%, 15.15%, 15.15%, 6.06%, 6.06%, 3.03%, 3.03%, 3.03%, 3.03%, 3.03%	No further actions planned for 2021.	Scheduled outages accounted for 52% of the total SAIDI and Unknown(Non Weather) accounted for 61% of the total SAIFI.
61	ASHLAND	3004301	SILLOAM	DISTRIBUTION	203 Dunaway Lane, South Shore, KY 41175	Siloam and Graf Brothers	18.28	434	9/6/2019	220.1	366.4	1.43	1.24	Unknown (Non Weather), Tree Out Of ROW, Equipment Failure, Scheduled Company, Fire - Aep, Or Affecting > 1 Customer, Animal - Bird, Weather - Lightning, Facilitation Of Work, Tree Removal (Non Aep)	26.32%, 21.05%, 15.79%, 10.53%, 5.26%, 5.26%, 5.26%, 5.26%	No further actions planned for 2021.	One Equipment Failure outage (switch) accounted for 83% of total SAIDI and 79% of total SAIFI.
62	PIKEVILLE	3411802	JOHNSCREEK	RACCOON	3697 State Highway 194E, Kimper, KY 41539	Kimper, Raccoon	85.38	1,672	5/31/2016	517.1	364.7	2.34	2.42	Tree Out Of ROW, Equipment Failure, Scheduled Company, Unknown (Non Weather), Facilitation Of Work, Vine, Tree Removal (Non Aep), Weather - Unknown, Tree Inside ROW, Vandalism, Animal - Non Bird	26.83%, 21.95%, 13.41%, 13.41%, 7.32%, 6.10%, 3.66%, 3.66%, 1.22%, 1.22%, 1.22%	Tree clearing scheduled for 2021.	Three Tree Out of ROW outages accounted for 48% of the total SAIDI and 25% of the total SAIFI.
63	ASHLAND	3000801	HAYWARD	HALDEMAN	Near 6876 SR 174	SR 174, US 60, and SR 377	119.70	1,679	10/18/2019	289.3	361.9	1.40	1.64	Tree Out Of ROW, Equipment Failure, Scheduled Company, Unknown (Non Weather), Facilitation Of Work, Weather - Unknown, Tree Inside ROW, Vehicle Accident (Non Aep), Animal - Other, Weather - Lightning, Tree Removal (Non Aep), Fire - Aep, Or Affecting > 1 Customer, Scheduled Outside Request > 1 Customer	21.25%, 21.25%, 20.00%, 17.50%, 6.25%, 3.75%, 2.50%, 1.25%, 1.25%, 1.25%, 1.25%, 1.25%, 1.25%	No further actions planned for 2021.	Animal - Other accounted for 49% of total SAIDI and 60% of total SAIFI. Tree out of ROW accounted for 43% of total SAIDI and 24% of total SAIFI.

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										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		
64	ASHLAND	3001002	HITCHINS	WILLARD	3655 State Highway 773, Hitchins, KY 41146	SR 773, SR 1, Cherokee, and Bells Trace	151.20	1,211	3/9/2018	325.7	343.9	1.62	2.33	Unknown (Non Weather), Tree Out Of ROW, Scheduled Company, Equipment Failure, Weather - Unknown, Facilitation Of Work, Vehicle Accident (Non Aep), Tree Removal (Non Aep), Vine	29.79%, 25.53%, 17.02%, 13.83%, 4.26%, 4.26%, 2.13%, 2.13%, 1.06%	No further actions planned for 2021.	Tree out of ROW accounted for 67% of total SAIDI and 57% of total SAIFI. Scheduled Company outages accounted for 7% of total SAIDI and 25% of total SAIFI.
65	PIKEVILLE	3420103	MAYO TRAIL	DAVIS BRANCH	632 Ponderosa Drive, Paintsville, KY 41240	Ky Route 40E, Ky Route 1107, Buffalo Road	32.85	1,012	2/11/2017	318.0	343.7	2.01	1.88	Scheduled Company, Animal - Non Bird, Tree Out Of ROW, Equipment Failure, Unknown (Non Weather), Vine, Tree Inside ROW, Facilitation Of Work, Weather - Lightning, Ug Const. /Dig-Ins (Non Aep),Animal - Bird	21.54%, 21.54%, 15.38%, 13.85%, 10.77%, 4.62%, 4.62%, 3.08%, 1.54%, 1.54%, 1.54%	No further actions planned for 2021.	One Equipment Failure outage accounted for 37% of the total SAIDI and 20% of the total SAIFI.
66	ASHLAND	3000902	HIGHLAND	FLATWOODS	437.5 Greenup Avenue, Raceland, KY 41169	Pond Run Rd, Raceland Ave, Bellefonte Rd	20.60	1,205	5/16/2020	117.5	323.4	0.72	1.44	Equipment Failure, Tree Out Of ROW, Unknown (Non Weather), Scheduled Company, Weather - Unknown, Weather - Lightning, Cust. Equipment > 1 Customer, Weather - High Winds (Exceeding 60 Mph)	35.48%, 25.81%, 16.13%, 9.68%, 3.23%, 3.23%, 3.23%, 3.23%	No further actions planned for 2021.	Tree out of ROW accounted for 65% of total SAIDI and 54% of total SAIFI. One Tree out of ROW outage accounted for 59% of total SAIDI and 25% of total SAIFI.
67	HAZARD	3420002	SOFT SHELL	LEBURN	Raymond Smith Dr, Leburn	Possum Trot Wiley Fork Upper Mill Cr	49.85	929	10/29/2020	299.1	316.9	1.40	1.89	Scheduled Company, Tree Out Of ROW, Facilitation Of Work, Equipment Failure, Weather - Unknown, Unknown (Non Weather), Vehicle Accident (Non Aep), Weather - High Winds (Exceeding 60 Mph), Weather - Ice (1/2 Inch Or > 6 " Snow), Vine,Animal - Non Bird, Error-Field, Cust. Equipment > 1 Customer, Scheduled Outside Request > 1 Customer, Tree Inside ROW	28.41%, 28.41%, 14.77%, 12.50%, 3.41%, 2.27%, 1.14%, 1.14%, 1.14%, 1.14%, 1.14%, 1.14%, 1.14%	No further actions planned for 2021.	Trees Out of ROW accounted for 55% of the total SAIDI, and 48% of the total SAIFI.
68	PIKEVILLE	3414901	FISHTRAP	DISTRIBUTION	Left Fork Island Creek, Phyllis	Phyllis	4.48	3	1/28/2017	207.8	316.0	0.95	1.00	Equipment Failure	100.00%	No further actions planned for 2021.	One Equipment Failure outage accounted for 100% of the total SAIDI and 100% of the total SAIFI.
69	ASHLAND	3010602	RUSSELL	BEAR RUN	990 Ashland Drive, Russell, KY 41169	US23, Riverview Rd, Diederich Blvd	11.61	678	11/30/2020	182.4	313.8	1.75	2.24	Equipment Failure, Tree Inside ROW, Unknown (Non Weather), Other, Tree Out Of ROW, Vehicle Accident (Non Aep), Weather - Unknown, Vine, Scheduled Company, Facilitation Of Work,Scheduled Outside Request > 1 Customer	29.17%, 16.67%, 12.50%, 8.33%, 8.33%, 4.17%, 4.17%, 4.17%, 4.17%, 4.17%, 4.17%	No further actions planned for 2021.	Other outages accounted for 51% of total SAIDI and 23% of total SAIFI. Equipment Failure outages accounted for 34% of total SAIDI and 62% of total SAIFI.
70	PIKEVILLE	3410502	S.PIKEVILLE	ISLAND CREEK	332 South Mayo Trail, Pikeville KY 41501	City of Pikeville	41.96	908	4/27/2019	257.0	312.5	1.44	1.96	Equipment Failure, Weather - Unknown, Scheduled Company, Tree Out Of ROW, Vine, Tree Inside ROW, Unknown (Non Weather), Weather - High Winds (Exceeding 60 Mph), Facilitation Of Work, Scheduled Outside Request > 1 Customer,Tree Removal (Non Aep), Weather - Flood/Slide	21.74%, 17.39%, 17.39%, 15.22%, 8.70%, 4.35%, 4.35%, 2.17%, 2.17%, 2.17%, 2.17%, 2.17%	No further actions planned for 2021.	One Weather-Unknown outage accounted for 29% of the total SAIDI and 50% of the total SAIFI. One Weather-Flood/landslide outage accounted for 23% of the total SAIDI and 16% of the total SAIFI.
71	ASHLAND	3001101	HOODS CREEK	SUMMIT	Rt 5 and Inheritance Dr, Ashland	West Summit Rd, Hoenig Dr, Hatchery Rd	23.20	889	7/31/2018	353.4	303.4	2.48	2.92	Unknown (Non Weather), Tree Out Of ROW, Vehicle Accident (Non Aep), Animal - Non Bird, Equipment Failure, Scheduled Company, Weather - Unknown, Facilitation Of Work, Tree Inside ROW	52.94%, 11.76%, 9.80%, 7.84%, 5.88%, 5.88%, 1.96%, 1.96%, 1.96%	No further actions planned for 2021.	Vehicle Accident (non AEP) accounted for 88% of total SAIDI and 85% of total SAIFI. One Vehicle Accident (non AEP) outage accounted for 61% of total SAIDI and 34% of total SAIFI.

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										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		
72	ASHLAND	3000903	HIGHLAND	WURLAND	437.5 Greenup Avenue, Raceland, KY 41169	Wurtland Ave and Riverside	16.48	597	7/21/2020	148.6	279.2	0.86	1.01	Unknown (Non Weather), Equipment Failure, Tree Out Of ROW, Vine, Animal - Non Bird, Weather - Unknown, Scheduled Company, Vehicle Accident (Non Aep), Animal - Bird, Tree Inside ROW	21.88%, 21.88%, 9.38%, 9.38%, 9.38%, 6.25%, 6.25%, 3.13%, 3.13%	No further actions planned for 2021.	Weather - Unknown accounted for 53% of total SAIDI and 25% of total SAIFI. Equipment failure accounted for 20% of total SAIDI and 30% of total SAIFI. One Weather - Unknown outage accounted for 46% of total SAIDI and 17% of total SAIFI.
73	HAZARD	3308002	JACKSON	PANBOWL	Cripple Creek Rd, Jackson	Part of Jackson, Part of Quicksand, Lick Branch	32.29	1,030	1/18/2020	233.9	272.7	1.52	3.24	Equipment Failure, Tree Out Of ROW, Scheduled Company, Unknown (Non Weather), Facilitation Of Work, Cust. Equipment > 1 Customer, Vehicle Accident (Non Aep), Weather - Flood/Slide, Weather - Unknown, Animal - Non Bird, Tree Removal (Non Aep)	23.81%, 19.05%, 14.29%, 9.52%, 4.76%, 4.76%, 4.76%, 4.76%, 4.76%, 4.76%, 4.76%	No further actions planned for 2021.	Equipment Failure accounted for 85% of the total SAIDI and 63% of the total SAIFI.
74	ASHLAND	3000102	ASHLAND	29 STREET	2431 Greenup Ave., Ashland, KY 41101	South Ashland, along US 23, 29th St to 39th St	6.94	585	3/28/2020	149.0	271.4	1.57	4.56	Equipment Failure, Unknown (Non Weather), Tree Inside ROW, Tree Out Of ROW, Weather - Lightning, Scheduled Company	38.89%, 33.33%, 11.11%, 5.56%, 5.56%	No further actions planned for 2021.	Equipment Failure accounted for 42% of the total SAIDI and 24% of the total SAIFI. Unknown (non-weather) accounted for 32% of total SAIDI and 66% of total SAIFI.
75	ASHLAND	3000304	BELLEFONT	ASHLAND TOWN CT	Off US 23 between SR 5 and A K Steel entrance, Russell	Armco Rd and Russell Rd US23	3.32	265	3/13/2021	175.7	271.2	0.92	0.91	Equipment Failure	100.00%	Tree clearing completed in 2021.	Equipment failures accounted for 100% of total SAIDI and 100% of total SAIFI. One Equipment Failure (crossarms) outage accounted for 99% of total SAIDI and 97% of total SAIFI.
76	HAZARD	3301402	COMBS	AIRPORTGARDEN	Combs Road, Combs	Combs, Air Port Garden, Lotts Creek, Darfork	43.08	1,009	12/9/2017	245.3	268.7	0.92	1.10	Tree Out Of ROW, Equipment Failure, Scheduled Company, Vine, Unknown (Non Weather), Animal - Non Bird, Tree Inside ROW, Weather - Flood/Slide, Tree Removal (Non Aep), Other, Scheduled Outside Request > 1 Customer, Weather - Ice (1/2 Inch Or > 6 " Snow), Weather - Unknown, Animal - Bird, Corrosion	29.31%, 17.24%, 12.07%, 6.90%, 6.90%, 5.17%, 5.17%, 3.45%, 3.45%, 1.72%, 1.72%, 1.72%, 1.72%, 1.72%, 1.72%, 1.72%	No further actions planned for 2021.	Tree Out of Row outages accounted for 72% of the total SAIDI and Scheduled Outages accounted for 50% of the total SAIFI.
77	ASHLAND	3000802	HAYWARD	LAWTON	Near 6876 SR 174	SR 174, SR 955, SR 1620	37.54	362	11/20/2017	243.6	267.2	0.81	1.37	Equipment Failure, Tree Out Of ROW, Scheduled Company, Unknown (Non Weather), Facilitation Of Work, Weather - Lightning, Vine, Weather - Unknown, Animal Bushing Xfmr, Overload	25.93%, 22.22%, 14.81%, 11.11%, 7.41%, 3.70%, 3.70%, 3.70%, 3.70%, 3.70%	No further actions planned for 2021.	One Animal Bushing XFRM related outage accounted for 65% of total SAIDI and 72% of total SAIFI.
78	PIKEVILLE	3120103	STANVILLE	HAROLD	Williams Dr, Stanville, KY 41659	Harold, Hurricane Creek, Pike Floyd Hollow	57.11	1,620	10/27/2018	155.1	258.1	1.03	2.34	Unknown (Non Weather), Tree Out Of ROW, Equipment Failure, Scheduled Company, Animal - Non Bird, Vine, Weather - Unknown, Other, Tree Inside ROW, Facilitation Of Work, Weather - Lightning, Error - Field, Cust. Equipment > 1 Customer	23.68%, 23.68%, 13.16%, 10.53%, 5.26%, 5.26%, 3.95%, 3.95%, 3.95%, 2.63%, 1.32%, 1.32%, 1.32%	No further actions planned for 2021.	Two Equipment Failure outages accounted for 68% of the total SAIDI and 84% of the total SAIFI.
79	ASHLAND	3008701	CANNONSBURG	CANNONSBURG	16400 Ponderosa Dr., Catlettsburg, KY 41129	Bear Cr Rd, SR 3, SR 180, Midland Trail Rd, Laurel Ridge, US 60	34.49	462	12/31/2019	251.5	234.6	1.39	1.55	Unknown (Non Weather), Scheduled Company, Equipment Failure, Tree Out Of ROW, Animal - Bird, Weather - High Winds (Exceeding 60 Mph), Animal - Non Bird	32.56%, 23.26%, 18.60%, 18.60%, 2.33%, 2.33%, 2.33%	No further actions planned for 2021.	Equipment Failure outages accounted for 46% of total SAIDI and 72% of total SAIFI. Tree out of ROW accounted for 34% of total SAIDI and 13% of total SAIFI.

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80	PIKEVILLE	3409302	KENWOOD	AUXIER	980 Industrial Park, Hager Hill, KY 41222	Van Lear, Ky Route 321, East Point, Hager Branch, George Branch, Davis Branch	41.41	1,045	10/30/2020	289.2	220.0	1.66	1.68	Tree Out Of ROW, Scheduled Company, Unknown (Non Weather), Facilitation Of Work, Animal - Non Bird, Equipment Failure, Vine, Weather - Unknown, Tree Removal (Non Aep), Other	32.84%, 22.39%, 11.94%, 7.46%, 7.46%, 7.46%, 4.48%, 2.99%, 1.49%, 1.49%	No further actions planned for 2021.	One Tree Inside of ROW outage accounted for 15% of the total SAIDI and 3% of the total SAIFI.
81	ASHLAND	3010601	RUSSELL	KENWOOD	990 Ashland Drive, Russell, KY 41169	Poplar Ln, Seaton Dr, Kenwood Dr	24.64	1,495	11/24/2018	96.3	214.9	1.04	1.82	Unknown (Non Weather), Equipment Failure, Scheduled Company, Tree Out Of ROW, Vehicle Accident (Non Aep), Weather - Lightning, Facilitation Of Work, Ug Const. /Dig-Ins (Non Aep), Error - Field	33.33%, 26.19%, 11.90%, 11.90%, 4.76%, 4.76%, 2.38%, 2.38%, 2.38%	No further actions planned for 2021.	Equipment Failure accounted for 34% of total SAIDI and 66% of total SAIFI. Tree out of ROW accounted for 23% of total SAIDI and 13% of total SAIFI. Unknown (non weather) accounted for 24% of total SAIDI and 6% of total SAIFI.
82	ASHLAND	3002105	10TH STREET	MIDTOWN	Greenup Ave and 10th St, Ashland	Winchester and Greenup Ave, Downtown Ashland	3.94	529	5/4/2019	99.5	208.7	0.60	1.70	Weather - Unknown, Unknown (Non Weather), Equipment Failure, Scheduled Company	25.00%, 25.00%, 25.00%, 25.00%	No further actions planned for 2021.	One Weather - Unknown accounted for 95% of total SAIDI and 96% of total SAIFI.
83	ASHLAND	3003702	COALTON	CANNONSBURG	2449 South Big Run Rd, Meads, KY 41101	US 60, Big Run, City of Cannonsburg	23.45	514	6/17/2017	167.4	200.1	1.59	1.86	Weather - Unknown, Unknown (Non Weather), Equipment Failure, Scheduled Company	25.00%, 25.00%, 25.00%, 25.00%	No further actions planned for 2021.	Scheduled company related outages accounted for 39% total SAIDI and 16% of total SAIFI. Tree out of ROW related outages accounted for 17% of total SAIDI and 6% of total SAIFI. Vine related outages accounted for 19% of total SAIDI and 31% of total SAIFI. Weather- Unknown related outages accounted for 10% of total SAIDI and 32% of total SAIFI.
84	PIKEVILLE	3409002	W.PAINTSVILLE	STAFFORDSVILLE	48 William Henry Dixon Blvd, Paintsville, KY 41240	KY Route 321, US HWY 23, KY Route 40, Little Mud Road, Hurricane Branch	51.83	1,149	2/10/2021	238.4	197.7	1.46	1.52	Animal - Non Bird, Equipment Failure, Scheduled Company, Tree Out Of ROW, Unknown (Non Weather), Vehicle Accident (Non Aep), Animal - Bird, Facilitation Of Work, Scheduled Outside Request > 1 Customer	27.27%, 25.45%, 21.82%, 14.55%, 3.64%, 1.82%, 1.82%, 1.82%, 1.82%	First phase on West Paintsville - Staffordsville and Falcon - Oil Springs tie line to be completed in 2021.	One Equipment Failure outage accounted for 49% of the total SAIDI and 71% of the total SAIFI.
85	HAZARD	3312201	ENGLE	INDUSTRIAL PARK	Coalfield Industrial Dr, Engle	Coal Fields Industrial Park	4.56	26	2/15/2019	54.6	194.2	0.53	1.19	Scheduled Company, Unknown (Non Weather), Animal Bus, Equipment Failure	40.00%, 20.00%, 20.00%, 20.00%	No further actions planned for 2021.	An Animal Bus contact accounted for 93% of the total SAIDI, and 84% of the total SAIFI.
86	HAZARD	3309002	JEFF	JEFF	HWY 7, Jeff	Jeff, Kenmont	5.69	117	9/4/2019	231.0	178.6	0.90	1.73	Tree Out Of ROW, Facilitation Of Work, Unknown (Non Weather), Scheduled Company, Tree Inside ROW, Equipment Failure	25.00%, 25.00%, 16.67%, 16.67%, 8.33%, 8.33%	No further actions planned for 2021.	Facilitation of Work accounted for 49% of the total SAIFI.

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87	PIKEVILLE	3402003	KEYSER	MULLINS	3249 North Mayo Trail, Pikeville 41501	Pikeville	30.65	1,101	6/20/2020	111.6	170.7	0.90	1.39	Tree Out Of ROW, Unknown (Non Weather), Weather - Unknown, Equipment Failure, Scheduled Company, Tree Inside ROW, Cust. Equipment > 1 Customer	38.89%, 16.67%, 13.89%, 13.89%, 8.33%, 5.56%, 2.78%	No further actions planned for 2021.	Two Tree Out of ROW outages accounted for 54% of the total SAIDI and 41% of the total SAIFI.
88	ASHLAND	3110903	WURLAND	RT.503	50 Wurtland Avenue, Wurtland, KY 41144	Rt 503 and Wurtland Ave	46.23	966	3/18/2017	414.8	157.0	1.79	1.87	Tree Out Of ROW, Equipment Failure, Unknown (Non Weather), Scheduled Company, Animal - Non Bird, Weather - Unknown, Vine, Facilitation Of Work, Tree Removal (Non Aep), Tree Inside ROW	26.67%, 20.00%, 13.33%, 13.33%, 13.33%, 4.44%, 2.22%, 2.22%, 2.22%, 2.22%	Tree clearing completed in 2021. Tie line project scheduled to start by end of 2021.	Equipment Failure outages accounted for 69% of total SAIDI and 82% of total SAIFI. Tree out of ROW accounted for 19% of total SAIDI and 12% of total SAIFI.
89	ASHLAND	3001004	HITCHINS	EK ROAD	3655 State Highway 773, Hitchins, KY 41146	N Hwy 773 and Ek Railroad, Hitchins/Grayson	31.87	526	3/9/2018	160.8	154.3	1.22	1.55	Scheduled Company, Unknown (Non Weather), Tree Out Of ROW, Equipment Failure, Other Utility, Vehicle Accident (Non Aep), Tree Inside ROW	33.33%, 30.95%, 19.05%, 9.52%, 2.38%, 2.38%, 2.38%	No further actions planned for 2021.	Tree out of ROW accounted for 69% of total SAIDI and 77% of total SAIFI. One Tree out of ROW outage accounted for 33% of total SAIDI and 34% of total SAIFI.
90	PIKEVILLE	3408101	SALISBURY	PRINTER	2241 Ky Rt 122, Printer, KY 41655	KY Route 122, Fisher Hollow, KY Route 2030, Shop Branch	19.64	306	7/12/2018	170.8	149.0	0.59	1.01	Tree Out Of ROW, Scheduled Company, Equipment Failure, Facilitation Of Work, Unknown (Non Weather), Tree Inside ROW	42.11%, 26.32%, 15.79%, 5.26%, 5.26%, 5.26%	No further actions planned for 2021.	One Tree Outside of ROW outage accounted for 18% of the total SAIDI and 11% of the total SAIFI. Two Scheduled Company outages accounted for 9% of the total SAIDI and 40% of the total SAIFI.
91	PIKEVILLE	3409303	KENWOOD	HAGER HILL	980 Industrial Park, Hager Hill, KY 41222	KY Route 321, KT Route 1428, Lick Fork, Middle Fork	49.95	954	1/7/2017	198.8	148.8	1.41	2.04	Scheduled Company, Tree Out Of ROW, Equipment Failure, Unknown (Non Weather), Animal - Non Bird, Facilitation Of Work, Vehicle Accident (Non Aep), Tree Inside ROW, Weather - Unknown, Vine	25.86%, 18.97%, 18.97%, 13.79%, 8.62%, 3.45%, 3.45%, 3.45%, 1.72%, 1.72%	Tree clearing scheduled for 2021.	One Animal - Non Bird outage accounted for 13% of the total SAIDI and 47% of the total SAIFI.
92	ASHLAND	3008003	47TH STREET	CATLETTSBURG	US 23 and 47th St, Catlettsburg	US 23, City of Catlettsburg	27.63	1,270	3/16/2019	90.3	147.5	0.72	2.06	Unknown (Non Weather), Equipment Failure, Tree Out Of ROW, Scheduled Company, Facilitation Of Work, Vehicle Accident (Non Aep), Tree Removal (Non Aep), Weather - Unknown, Weather - High Winds (Exceeding 60 Mph), Animal - Non Bird, Animal - Bird, Tree Inside ROW	22.22%, 18.52%, 14.81%, 11.11%, 7.41%, 3.70%, 3.70%, 3.70%, 3.70%, 3.70%, 3.70%, 3.70%	Station transformer bushings replaced in 2021.	Equipment Failure accounted for 57% of total SAIDI and 18% of total SAIFI. Animal - non bird accounted for 29% of total SAIDI and 20% of total SAIFI. Scheduled company accounted for 5% of total SAIDI and 41% of total SAIFI.
93	PIKEVILLE	3409301	KENWOOD	W VANLEAR	980 Industrial Park, Hager Hill, KY 41222	Industrial Park, KY Route 1107, KY Route 302, Millers Creek	18.82	474	10/22/2016	78.4	139.7	0.94	1.42	Animal - Non Bird, Scheduled Company, Equipment Failure, Unknown (Non Weather), Tree Out Of ROW, Vine, Facilitation Of Work	20.69%, 20.69%, 17.24%, 17.24%, 17.24%, 3.45%, 3.45%	Tree clearing scheduled for 2021.	Three Tree Outside of ROW outages accounted for 47% of the total SAIDI and 9% of the total SAIFI. Two Equipment Failure outages accounted for 30% of the total SAIDI and 65% of the total SAIFI. Two Scheduled Company outages accounted for 23% of the total SAIDI and 8% of the total SAIFI.
94	ASHLAND	3001203	HOWARD COLLINS	FLOYD	3600 Floyd Street, Ashland, KY 41101	Crooks and Moore St	11.63	1,428	5/30/2020	118.2	110.6	1.12	1.13	Equipment Failure, Unknown (Non Weather), Tree Out Of ROW, Animal - Non Bird, Weather - Unknown, Facilitation Of Work, Scheduled Company	38.10%, 28.57%, 14.29%, 4.76%, 4.76%, 4.76%	No further actions planned for 2021.	Equipment Failure related outages accounted for 85% of total SAIDI and 93% of total SAIFI. One Equipment Failure (pole fire) related outage accounted for 82% of total SAIDI and 90% of total SAIFI.

Section 5 - Circuit Report
Reporting Year : 2020

	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		
95	HAZARD	3309101	WHITESBURG	WHITESBURG	HWY 931, Whitesburg	City of Whitesburg	9.76	615	4/21/2017	110.9	98.4	0.83	1.30	Equipment Failure, Scheduled Company, Unknown (Non Weather), Vehicle Accident (Non Aep), Tree Out Of ROW, Vine, Error - Field, Cust. Equipment > 1 Customer, Scheduled Outside Request > 1 Customer	33.33%, 23.81%, 14.29%, 4.76%, 4.76%, 4.76%, 4.76%, 4.76%	Tree clearing scheduled for 2021.	Scheduled outages accounted for 80% of the total SAIFI.
96	PIKEVILLE	3120102	STANVILLE	TRAM	Williams Dr, Stanville, KY 41659	Tram, Mare Creek, Ivy Creek	33.34	840	9/24/2016	94.9	89.3	0.27	0.40	Equipment Failure, Tree Out Of ROW, Unknown (Non Weather), Tree Inside ROW, Animal - Non Bird, Scheduled Company, Facilitation Of Work, Vine, Other	35.29%, 23.53%, 14.71%, 5.88%, 5.88%, 5.88%, 2.94%, 2.94%, 2.94%	Tree clearing scheduled for 2021.	One Tree Inside of ROW outage accounted for 24% of the total SAIDI and 23% of the total SAIFI.
97	ASHLAND	3116702	BELHAVEN STATION	INDIAN RUN	260 Thompson Road, Russell, KY 41169	Reed St and Route 207, Flatwoods	19.78	1,031	2/6/2021	75.7	89.0	0.55	0.35	Unknown (Non Weather), Tree Out Of ROW, Equipment Failure, Tree Inside ROW, Weather - Unknown, Facilitation Of Work, Animal - Non Bird, Scheduled Company	41.38%, 27.59%, 13.79%, 3.45%, 3.45%, 3.45%, 3.45%	Tree clearing completed in 2021. Tie line project scheduled to start by end of 2021.	Tree out of Row accounted for 37% of total SAIDI and 34% of total SAIFI. Equipment Failure outages accounted for 31% of total SAIDI and 30% of total SAIFI. Tree inside ROW accounted for 17% of total SAIDI and 34% of total SAIFI.
98	PIKEVILLE	3410503	S.PIKEVILLE	HOSPITAL	332 South Mayo Trail, Pikeville KY 41501	Pikeville	6.09	171	10/20/2018	65.5	85.9	0.50	1.15	Unknown (Non Weather), Equipment Failure, Scheduled Company	60.00%, 20.00%, 20.00%	No further actions planned for 2021.	Unknown Non Weather-Unknown outage accounted for 82% of the total SAIDI and 88% of the total SAIFI.
99	ASHLAND	3000302	BELLEFONT	FLATWOODS	Off US 23 between SR 5 and A K Steel entrance, Russell	Diedrich Blvd	3.47	88	2/5/2021	78.9	66.3	0.71	0.85	Unknown (Non Weather), Cust. Equipment > 1 Customer, Foreign Object (Non Animal)	50.00%, 25.00%, 25.00%	Tree clearing completed in 2021.	One Unknown (non weather) outage accounted for 54% of total SAIDI and 48% of total SAIFI.
100	ASHLAND	3001401	LOUISA	CITY	Town Hill Rd off Hwy 32, Louisa	Town Hill Rd and N of Highway 3, Louisa	9.56	834	11/27/2019	52.9	55.0	0.88	1.20	Equipment Failure, Unknown (Non Weather), Scheduled Company, Vine, Tree Out Of ROW	41.18%, 35.29%, 11.76%, 5.88%, 5.88%	No further actions planned for 2021.	Equipment Failure accounted for 85% of total SAIDI and 89% of total SAIFI. One Equipment Failure outage (pole fire) accounted for 67% of total SAIDI and 83% of total SAIFI.
101	ASHLAND	3002103	10TH STREET	12TH STREET	Greenup Ave and 10th St, Ashland	12th St, Oakview Rd and Pollard, Ashland	7.63	588	5/4/2019	38.9	49.4	0.45	0.30	Tree Out Of ROW, Equipment Failure, Unknown (Non Weather), Vehicle Accident (Non Aep), Tree Removal (Non Aep), Scheduled Company, Facilitation Of Work, Weather - Unknown, Animal - Non Bird	42.11%, 15.79%, 10.53%, 5.26%, 5.26%, 5.26%, 5.26%, 5.26%	No further actions planned for 2021.	Tree out of ROW accounted for 50% of total SAIDI and 30% of total SAIFI. Scheduled Company outages accounted for 31% of total SAIDI and 39% of total SAIFI.

Section 5 - Circuit Report
Reporting Year : 2020

	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		
102	ASHLAND	3010603	RUSSELL	ASHLAND OIL	990 Ashland Drive, Russell, KY 41169	Ashland Dr	1.09	7	11/4/2020	18.1	38.3	0.29	0.29	Unknown (Non Weather)	100.00%	No further actions planned for 2021.	One Unknown (non-weather) outage accounted for 100% of total SAIDI and 100% of total SAIFI.
103	ASHLAND	3000301	BELLEFONT	WESTWOOD	Off US 23 between SR 5 and A K Steel entrance, Russell	Main St, Westwood Area, Ashland	23.47	1,601	8/20/2016	101.0	38.1	0.62	0.88	Equipment Failure, Unknown (Non Weather), Scheduled Company, Vine, Tree Out Of ROW, Animal - Non Bird, Weather - Unknown, Error-Field, Vehicle Accident (Non Aep), Tree Inside ROW	23.33%, 23.33%, 21.67%, 11.67%, 8.33%, 5.00%, 1.67%, 1.67%, 1.67%, 1.67%	Tree clearing scheduled for 2021.	One Scheduled outage (pole replacement) accounted for 45% of total SAIDI and 68% of total SAIFI.
104	ASHLAND	3000101	ASHLAND	25TH STREET	2431 Greenup Ave., Ashland, KY 41101	25th St and King's Daughters Hosp.	1.32	111	3/21/2020	28.3	27.4	0.15	0.16	Equipment Failure	100.00%	No further actions planned for 2021.	One Equipment Failure outage (broken cutout) accounted for 100% of total SAIDI and 100% of total SAIFI
105	PIKEVILLE	3411701	CEDAR CREEK	HOOPWOOD	Cedar Creek Road, Pikeville, KY	Pikeville	1.70	43	2/5/2021	9.6	19.2	0.21	0.42	Animal - Non Bird, Unknown (Non Weather), Equipment Failure	33.33%, 33.33%, 33.33%	Tree clearing scheduled for 2021.	One Equipment Failure outage accounted for 80% of the total SAIDI and 89% of the total SAIFI.
106	ASHLAND	3002101	10TH STREET	6TH STREET	Greenup Ave and 10th St, Ashland	8th St and Ashland Town Mall	1.04	93	5/4/2019	9.5	9.8	0.12	0.03	Equipment Failure	100.00%	No further actions planned for 2021.	One Equipment Failure outage (bad xfrm) accounted for 100% of total SAIDI and 100% of total SAIFI.
107	ASHLAND	3000105	ASHLAND	1ST STREET	2431 Greenup Ave., Ashland, KY 41101	2431 Greenup Ave., Ashland, KY 41101	1.89	123	3/21/2020	43.7	8.9	0.11	0.12	Equipment Failure, Weather - Lightning, Facilitation Of Work	33.33%, 33.33%, 33.33%	No further actions planned for 2021.	One Equipment failure outage (cutout) accounted for 51% of total SAIDI and 13% of total SAIFI. One Facilitation of Work outage accounted for 35% of total SAIDI and 68% of total SAIFI. One Weather - Lightning outage accounted for 15% of total SAIDI and 20 % of total SAIFI.