

# Electric Distribution Utility Annual Reliability Report

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## SECTION 1: CONTACT INFORMATION

UTILITY NAME	Kentucky Power Company
REPORT PREPARED BY	Everett G. Phillips
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## SECTION 2: REPORT YEAR

CALENDAR YEAR OF REPORT	2023
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## SECTION 3: MAJOR EVENT DAYS

TMED	28.7353
FIRST DATE USED TO DETERMINE TMED	1-Jan-18
LAST DATE USED TO DETERMINE TMED	31-Dec-22
NUMBER OF MED IN REPORT YEAR	3

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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.

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## SECTION 4: SYSTEM RELIABILITY INFORMATION AND RESULTS

### **System Wide Information**

Total Customers	161,642	Total Circuits	234
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### **Excluding MED**

	<b>5 Year Average</b>		<b>Reporting Year</b>
SAIDI	421.39	SAIDI	331.76
SAIFI	2.097	SAIFI	1.848

### **Including MED**

	<b>5 Year Average</b>		<b>Reporting Year</b>
SAIDI	1505.80		718.32
SAIFI	2.609		2.347

#### 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

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## SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

### **CIRCUIT #1:**

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

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

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

Note: Circuits sorted according to reporting year SAIDI

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Additional pages may be attached as necessary

## SECTION 6: VEGETATION MANAGEMENT PLAN REVIEW

**See attached copy of Kentucky Power Company 2023 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

Overall, Kentucky Power improved reliability for the year 2023 as compared to 2022. Below is additional information and context regarding the Company's improved reliability in 2023.

### Excluding MED

The Company SAIDI for 2023 of 331.76 minutes represents a 32.4% improvement over the 2022 SAIDI performance of 490.62 minutes. The Company SAIFI for 2023 of 1.848 represents a 19.3% improvement over the 2022 SAIFI performance of 2.289.

### Including MED

The Company SAIDI for 2023 of 718.32 minutes represents a 58% improvement over the 2022 SAIDI performance of 1710.61 minutes. The Company SAIFI for 2023 of 2.347 represents a 17% improvement over the 2022 SAIFI performance of 2.837.

### Additional Comments

The weather in the Company's service territory in 2023 was relatively mild when compared to previous years. Mild weather, in conjunction with the Company's targeted reliability improvement efforts, had a significant effect on the annual and five-year reliability index averages, as described in Section 4 and above in this section. The Company plans to continue these targeted reliability improvement efforts.

Although the weather was relatively mild, the service territory still experienced a few major storms. To illustrate the effect of major storms on the volatility of reliability indices, the three storms occurring on March 3, March 25, and April 1, 2023 represented over 62.4 million customer minutes of interruption ("CMI"), and accounted for 53.8% of the Company's total CMI in 2023.

Finally, at the end of 2023, the Company had completed targeted widening, as part of its Tree Outside Right-of-Way widening program, on 65 of 234 distribution circuits, or 27.7% of the circuits. Widening activities have been completed on approximately 533.17 miles (6.4%) of the Company's overhead primary distribution miles.

**COMMONWEALTH OF KENTUCKY**  
**BEFORE THE PUBLIC SERVICE COMMISSION**



Single phase right-of-way near end segment of Big Sandy Burnaugh North Circuit

This segment was last cleared in Year 2020, photo taken March 2024

**2023 DISTRIBUTION VEGETATION MANAGEMENT REPORT**  
**AND 2024 DISTRIBUTION VEGETATION MANAGEMENT WORK PLAN**  
**OF KENTUCKY POWER COMPANY**  
**APRIL 1, 2024**

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, its January 13, 2021 Order in Case No. 2020-00174 and its January 19, 2024 Order in Case No. 2023-00159, Kentucky Power Company provides the following report regarding the operation of its 2023 Distribution Vegetation Management Program and its 2024 Distribution Vegetation Management Work Plan (see attachments 2, 3, and 4).

### **Introduction and Background**

Kentucky Power began a five-year distribution vegetation management cycle January 1, 2019, and concluded that cycle period on December 31, 2023. The Company commenced a second five-year distribution vegetation management cycle on January 1, 2024. Vegetation growth in the Company's rights-of-way as of January 1, 2024 averages 4.99 years.

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

- Vegetation within Kentucky Power's distribution system rights-of-way is re-cleared on a continuous 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 \$22.421 million as established in Case No. 2023-00159;
- 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. Overall program expenditures in excess of the targeted amount are \$318,351 as of December 31, 2023.

For 2023, planned operations and maintenance ("O&M") expenditures for targeted distribution vegetation management were \$21.447 million. The amount of O&M embedded in 2023 base rates for vegetation management expenditures was \$21,586,046 as provided by the Commission's Order in Case No. 2020-00174.

**2023 Distribution Vegetation Management Expenditures**  
**And Rights-of-Way Work Performed**

The Company's 2023 distribution vegetation management O&M expenditures were \$21,491,040 or 0.06% greater (\$13,957) than the 2023 budget of \$21,477,083.

The Company's 2023 distribution vegetation management capital expenditures were \$8,752,272. This includes capital investment made in connection with O&M expenditures and a reliability widening pilot program (Trees Outside Rights-Of-Way, or "TOR") 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. In the Commission's January 19, 2024 Order in Case No. 2023-00159 at page 78 it stated "The Commission notes that the...additional Vegetation Management TOR Pilot program that is showing success in reducing customer outages. The Commission encourages Kentucky Power to continue the TOR Pilot program. In addition, the Commission expects that once sections of circuit ROW have been widened, those widened sections will be incorporated into the ongoing Vegetation Management program as those circuits are cleared in future cycle years." The Company has and will continue to incorporate this into its Vegetation Management Work Plan.

**2023 Vegetation Management Mileage Cleared, Expenditures, and Cost / Unit**

Kentucky Power's 2023 Work Plan was 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 2023 work completed, actual expenditures, and Cost / Unit to the projection for each of its actions within its 2023 Vegetation Work Plan.

Table 1: 2023 Vegetation Work Plan						
Action Description	Targeted			Actual		
	Miles/Acres	Expenses	Cost/Unit	Miles/Acres	Expenses	Cost/Unit
Cycle Maint. (Miles)	1,623.7	\$17,722,858	\$10,915	1,396.6	\$18,313,514	\$13,113
Internal	-	\$654,225	\$403	-	\$444,020	\$318
Spray (Acres)	4,500.0	\$2,700,000	\$600	7,580.0	\$2,518,563	\$332
Reactive Maint.	-	\$400,000	\$246	-	\$214,942	\$154
<b>TOTALS</b>	-	<b>\$21,477,083</b>	<b>\$12,164</b>	-	<b>\$21,491,039</b>	<b>\$13,917</b>

Kentucky Power targeted 1,623.7 miles of annual cycle maintenance and completed 1,396.6 miles (86.01%) of the 2023 targeted miles. Associated O&M expenditures were \$18,313,514 (3.3%) or \$590,656 above the budget target of \$17,722,858. The Company's cost

per unit for field cycle maintenance was approximately \$2,198 (20.1%) higher per mile than targeted. The elevated cost per mile is attributed to 402.9 miles (28.8%) of the completed 1,396.6 miles being in more remote and difficult to access areas within the service territory and increases in contract costs described below.

The Company targeted 4,500.0 acres of spray in 2023 and completed 7,580.0 total acres in foliar, cut stubble, and vine applications. Foliar spray comprised 5,777.1 (76.2%) of the total acres treated; cut stubble treatments comprised 1,679.8 (22.2%) of the total acres treated; and vine applications comprised 123.1 (1.6%) of the total acres treated. In year 2023 the Company continued utilizing third-party providers to complete scheduled foliar spray work, which reflects improved efficiency as well as lower cost-per-acre of application.

Kentucky Power's 2023 expenditures for reactive maintenance totaled \$185,058 less than the targeted work plan. The sustaining practice and components of the Company's cycle-based maintenance programs continue to reduce the volume of reactive work and enable the Company to direct the funds toward other vegetation maintenance actions.

Internal Forestry Staff O&M expenditures totaled \$210,205 less than the targeted work plan of \$654,225 for year 2023.

The Overall 2023 O&M cost-per-unit of \$13,917 was \$1,753 or (14.4%) above the targeted cost-per-unit of \$12,164. The elevated cost-per-unit reflects aggregated contract labor and equipment costs that increased by 6.5% and 3.8%, respectively, compared to the previous year.

O&M and Capital work associated with the 2023 Vegetation Management activities included trimming 49,323 trees, removing 175,079 trees, and clearing 3,534.9 acres of brush.

**2023 Distribution Vegetation Management Work by District**

**Table 2** below details the Company's 2023 O&M vegetation management expenditures by district. Certain O&M expenditures are not reflected in **Table 2**, such as unscheduled hotspot maintenance, trouble restoration work, tree ticket investigation, auditor expenses, third party flagging expenditures, and tree contractor's field supervision.

<b>Table 2: 2023 District Level O&amp;M Expenditures by District</b>				
<b>Nature of Expense</b>	<b>Ashland</b>	<b>Hazard</b>	<b>Pikeville</b>	<b>Total</b>
Annual Cycle Maintenance	\$5,839,289	\$5,864,892	\$8,559,345	\$20,263,526
Internal	\$184,973	\$121,111	\$137,936	\$444,020
<b>TOTALS</b>	<b>\$6,024,262</b>	<b>\$5,986,003</b>	<b>\$8,697,281</b>	<b>\$20,707,546</b>



**Table 3** below provides the 2023 vegetation management work by District in terms of miles cleared and acres sprayed.

<b>Table 3: 2023 District Level Cycle Work Performed</b>				
<b>Work Performed</b>	<b>Ashland</b>	<b>Hazard</b>	<b>Pikeville</b>	<b>Total</b>
Annual Cycle Miles Cleared	488.49	450.95	457.17	1,396.61
Acres Sprayed	1,044.48	3,880.91	2,654.64	7,580.03

**Attachment 1** to this report provides detail for the 2023 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, and acres of brush sprayed 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, 2023. Excluded from the calculation of the indices in both **Tables 4 and 5** are major events as defined by IEEE Standard 1366.

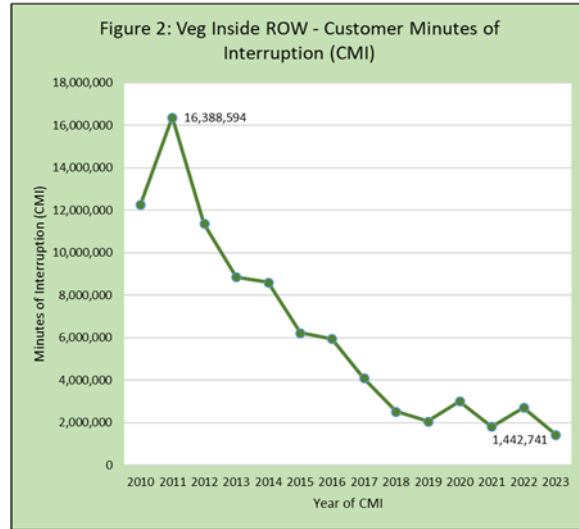
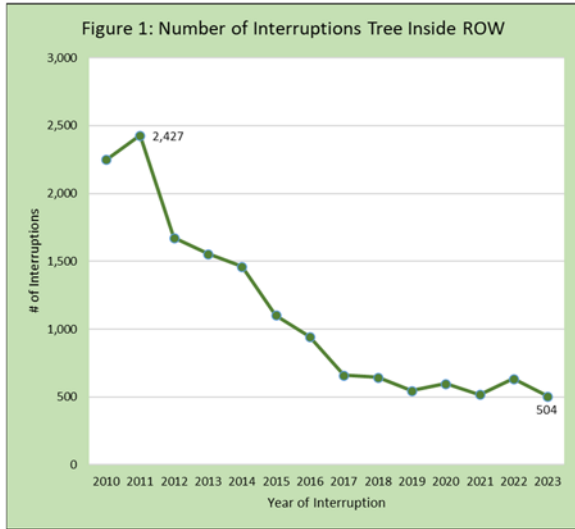
<b>Table 4: Fourteen Year Reporting Indices for All Outage Cause Codes</b>			
<b>Year</b>	<b>SAIFI</b>	<b>CAIDI</b>	<b>SAIDI</b>
2010	2.47	169.4	418.4
2011	3.09	195.4	602.8
2012	2.42	189.5	458.0
2013	2.14	178.5	382.7
2014	2.37	212.9	505.3
2015	2.47	189.8	468.1
2016	2.17	205.7	445.8
2017	2.17	187.3	406.3
2018	2.34	206.8	484.2
2019	2.49	195.2	485.0
2020	2.01	197.7	397.4
2021	1.85	217.1	402.1
2022	2.29	214.3	490.6
2023	1.85	179.6	331.8

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

<b>Table 5: Fourteen Year Reporting Indices for Tree Inside Rights-of-Way Outage Cause Codes</b>			
<b>Year</b>	<b>Tree Inside Rights-of-Way SAIFI</b>	<b>Tree Inside Rights-of-Way CAIDI</b>	<b>Tree Inside Rights-of-Way SAIDI</b>
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
2020	0.074	246.3	18.2
2021	0.055	201.5	11.1
2022	0.084	200.1	16.8
2023	0.046	194.3	8.9

**Table 5** highlights the improvements driven by the Company's Distribution Vegetation Management Program. The 2023 Tree Inside Rights-of-Way SAIFI and SAIDI are respectively 74.9% and 77.1% below the average Tree Inside Rights-of-Way SAIFI and SAIDI metrics for the previous thirteen-year period of 2010 through 2022. The CAIDI value also decreased 7.8% from the thirteen-year period average duration of 210.7 to 194.3 in year 2023. CAIDI measures the time for crews to respond, assess and identify the trouble, remove any debris that may have caused the outage, complete 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 79.2% from a peak of 2,427 interruptions in year 2011 to 504 interruptions in year 2023. The annual number of customer minutes of interruption (CMI) associated with these events has also declined by approximately 91.2% from a peak of 16,388,594 in year 2011 to 1,442,741 over the same period (**Figures 1 and 2**).



The number of vegetation-related service interruptions for trees inside rights-of-way outages decreased 20.4% percent from 633 in year 2022, to 504 in year 2023. The number of customer minutes interrupted due to trees inside rights-of-way decreased 42.7% from the previous three-year average of 2,517,377 minutes of interruption.

Vine-related outages are included in the reported inside rights-of-way outages. For year 2023, vine-related outages constituted approximately 60.1% of inside rights-of-way interruptions.

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.

**Vegetation Management Program-to-Date Expenditures**

Kentucky Power filed vegetation management plans projecting the expenditures of \$284,377,905 in Vegetation Management O&M from the beginning of the program on July 1, 2010, through December 31, 2023. In that period, the Company spent \$286,336,063; or \$1,958,158 (0.68%) more than planned.

Kentucky Power has trimmed 931,341 trees; removed 3,223,295 trees; cleared 40,156.6 acres (62.74 square miles) of brush; and sprayed 47,916.4 acres (74.87 square miles) of brush 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, January 13, 2021 Order in Case No. 2020-00174, and January 19, 2024 Order in Case No. 2023-00159 continued the balancing account. The required annual expenditures were modified to reflect the amounts detailed in Table 5 of Mr. Phillips's direct testimony in Case No. 2020-00174.

The December 31, 2023 balancing account balance of \$318,351 (expenditures in excess of the targeted amounts) is shown in **Table 6** below:

<b>Table 6: Kentucky Power Balancing Account Vegetation Management Program Dollars</b>			
<b>Year</b>	<b>Required Expenditure</b>	<b>Actual Expenditure</b>	<b>Variance</b>
2015	\$13,830,530	\$13,620,717	<b>-\$209,813</b>
2016	\$27,661,060	\$27,774,545	<b>\$113,485</b>
2017	\$27,661,060	\$27,840,992	<b>\$179,932</b>
2018	\$21,638,766	\$21,779,501	<b>\$140,735</b>
2019	\$21,283,946	\$21,323,373	<b>\$39,427</b>
2020	\$21,472,777	\$21,347,446	<b>-\$125,331</b>
2021	\$21,733,094	\$21,847,587	<b>\$114,493</b>
2022	\$21,577,961	\$21,599,427	<b>\$21,466</b>
2023	\$21,447,083	\$21,491,040	<b>\$43,957</b>
<b>Total</b>	<b>\$198,306,277</b>	<b>\$198,624,628</b>	<b>\$318,351</b>

### **Attachment Description**

The following attachments are incorporated in this report:

**Attachment 1** – provides a detailed summary of annual cycle maintenance work completed in year 2023 at a circuit level within each district.

**Attachment 2** – provides the annual cycle maintenance plan for year 2024 at a circuit level by district reflecting circuit level updates to the Company's previous Vegetation Management Plan filed April 3, 2023.

**Attachment 3** – provides the annual spray plan for year 2024 at the district level.

**Attachment 4** – provides a recapitulation of planned 2024 O&M expenditures (including amounts that cannot be allocated on a circuit basis) by district and projected 2024 capital expenditures by district. The 2024 capital expenditures include, as was detailed in the Company's 2023 Vegetation Management Plan, a pilot capital investment program to widen the Company's existing rights-of-way to address outside the rights-of-way causes of outages, including particularly the mitigation of threats posed by diseased and dead trees.

### Attachment 1 – 2023 Annual Maintenance Cycle History

2023 KY POWER FORESTRY CIRCUIT HISTORY Five Year Cycle Maintenance Clearing												Costs 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 Completed	Trees Trimmed	Trees Removed	Brush Cut (Acres)	Brush Sprayed (Acres)	Tree Growth Regulator	Comments	
3000801	Hayward - Halderman	\$326,371.57	118.8	0.0	27.5	594	2,059	51.36	7.57	0.0	Begin Full Circuit Reclear	
3000802	Hayward - Lawton	\$336,325.73	37.3	37.3	37.3	829	2,663	30.74	11.63	0.0	Full Circuit Reclear	
3001002	Hitchens - Willard	\$940,933.78	150.5	79.8	79.8	4,064	6,246	153.92	220.54	0.0	Finish Full Circuit Reclear, from 2022	
3001101	Hoods Creek - Summit	\$230,664.93	22.5	22.5	22.5	1,269	1,339	24.11	41.58	0.0	Full Circuit Reclear	
3002002	South Shore - Distribution	\$18,586.77	9.1	9.1	3.7	13	10	0.20	22.33	0.0	Full Circuit Reclear	
3003701	Coalton - US 60 West	\$179,526.10	87.2	87.2	19.8	617	1,016	21.06	0.00	0.0	Full Circuit Reclear	
3003703	Coalton - Trace Creek	\$66,151.11	83.9	8.4	8.4	103	557	9.02	57.03	0.0	Finish Full Circuit Reclear, from 2022	
3007906	Busseyville - Walbridge	\$1,129,376.53	95.0	95.0	79.4	3,957	4,624	376.25	209.89	0.0	Full Circuit Reclear	
3008001	47th Street - 49th Street	\$354,182.46	25.4	25.4	25.4	1,711	952	25.65	22.95	0.0	Full Circuit Reclear	
3008702	Cannonsburg - Route 3	\$1,106,129.04	98.8	98.8	98.8	4,569	6,607	201.23	76.70	0.0	Full Circuit Reclear	
3010601	Russell - Kenwood	\$352,227.52	20.9	20.9	20.9	1,479	693	17.81	8.68	0.0	Full Circuit Reclear	
3010602	Russell - Bear Run	\$116,490.14	11.3	11.3	11.3	367	362	21.45	0.00	0.0	Full Circuit Reclear	
3010603	Russell - Ashland Oil	\$8,301.50	1.0	1.0	1.0	20	8	1.38	0.00	0.0	Full Circuit Reclear	
3110901	Wurtland - Wurtland	\$14,382.45	1.5	1.5	1.5	14	24	0.93	1.10	0.0	Full Circuit Reclear	
3110902	Wurtland - Greenup	\$654,868.92	51.2	51.2	51.2	2,707	1,688	72.94	79.75	0.0	Full Circuit Reclear	
3000302	Bellefonte - Flatwoods	\$1,303.00	0.0	0.0	0.0	0	1	0.00	0.00	0.0	Reactive Work	
3000601	Grahn - Pleasantville	\$22,902.14	0.0	0.0	0.0	28	0	0.00	24.52	0.0	Ground Spray and Reactive Work	
3000901	Highland - Russell	\$276.60	0.0	0.0	0.0	0	1	0.00	0.00	0.0	Capital Work	
3001201	Howard Collins - 13th St.	\$2,512.31	0.0	0.0	0.0	8	0	0.00	0.00	0.0	Reactive Work	
3001204	Howard Collins - Summitt	\$1,323.00	0.0	0.0	0.0	0	1	0.00	0.00	0.0	Capital Work	
3002001	South Shore - Siloam	\$34,832.44	0.0	0.0	0.0	0	0	0.00	70.56	0.0	Ground Spray	
3002105	Tenth Street - Midtown	\$469.20	0.0	0.0	0.0	1	0	0.00	0.00	0.0	Reactive Work	
3004301	Siloam - Distribution	\$3,506.68	0.0	0.0	0.0	0	0	0.00	9.37	0.0	Ground Spray	
3007903	Busseyville - Louisa	\$10,910.00	0.0	0.0	0.0	0	0	0.00	20.44	0.0	Ground Spray	
3008002	47th Street - 39th Street	\$2,372.80	0.0	0.0	0.0	3	0	0.00	0.00	0.0	Reactive Work	
3008701	Cannonsburg - Cannonsburg	\$23,335.49	0.0	0.0	0.0	0	0	0.00	41.14	0.0	Ground Spray	
3116701	Belhaven - Diedrich	\$781.80	0.0	0.0	0.0	0	1	0.00	0.00	0.0	Reactive Work	
3116702	Belhaven - Indian Run	\$7,808.90	0.0	0.0	0.0	0	36	0.00	0.00	0.0	Capital Work	
3117601	Princess - Meade	\$15,506.66	0.0	0.0	0.0	0	0	0.00	23.56	0.0	Ground Spray	
3117602	Princess - Route 180	\$44,844.85	0.0	0.0	0.0	0	0	0.57	64.04	0.0	Ground Spray	
3117603	Princess - Midland Trail	\$17,612.41	0.0	0.0	0.0	0	0	0.00	31.10	0.0	Ground Spray	
<b>Ashland District Totals</b>		<b>\$6,024,816.83</b>		<b>549.5</b>	<b>488.5</b>	<b>22,353</b>	<b>28,888</b>	<b>1,008.62</b>	<b>1,044.48</b>	<b>0.0</b>		

2023 KY POWER FORESTRY CIRCUIT HISTORY Five Year Cycle Maintenance Clearing				Costs 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 Completed	Trees Trimmed	Trees Removed	Brush Cut (Acres)	Brush Sprayed (Acres)	Tree Growth Regulator	Comments
3302704	Hazard - Kenmont	\$294,750.44	19.9	19.9	19.9	756	3,674	35.11	3.41	0.0	Full Circuit Reclear
3303903	Leslie - Halsfork	\$340,514.50	76.4	28.0	28.0	568	7,183	128.17	145.12	0.0	Begin Full Circuit Reclear
3307301	Bulan - Ary Hiner	\$203,521.22	52.1	52.1	13.3	299	3,600	40.96	5.56	0.0	Full Circuit Reclear
3307302	Bulan - Ajax Dwarf	\$691,403.30	39.2	39.2	39.2	1,530	11,280	184.49	134.64	0.0	Full Circuit Reclear
3308404	Beckham - Pippa Passes	\$364,453.20	63.3	63.3	24.3	1,313	3,940	67.53	52.02	0.0	Full Circuit Reclear
3308502	Bonnyman - Hazard	\$151,051.74	65.1	16.9	16.9	142	2,313	1.07	76.63	0.0	Begin Full Circuit Reclear
3308503	Bonnyman - Big Creek	\$1,069,318.40	95.5	95.5	95.5	1,420	17,785	376.05	251.08	0.0	Full Circuit Reclear
3308602	Collier - Lower Rockhouse	\$966,872.14	63.0	63.0	63.0	2,723	12,848	206.02	113.89	0.0	Full Circuit Reclear
3309003	Jeff - Viper	\$94,404.48	67.3	9.9	9.9	410	1,175	37.57	2.15	0.0	Begin Full Circuit Reclear
3310501	Haddix - Quicksand	\$372,689.01	111.2	62.3	62.3	360	6,888	153.35	203.23	0.0	Finish Full Circuit Reclear, from 2022
3311103	Stinnett - Wendover	\$276,420.42	35.9	35.9	35.9	383	4,836	110.81	92.18	0.0	Full Circuit Reclear
3312902	Jenkins - Jenkins	\$309,555.13	22.2	22.2	22.2	1,328	3,659	82.22	72.40	0.0	Full Circuit Reclear
3409503	Burdine - Jenkins	\$92,001.52	6.9	6.9	6.9	240	1,172	24.15	23.38	0.0	Full Circuit Reclear
3451201	Beehive - Beehive	\$39,189.66	4.9	4.9	4.9	18	967	15.03	0.00	0.0	Full Circuit Reclear
3451202	Beehive - Dunham	\$50,239.05	8.7	8.7	8.7	221	757	17.67	0.00	0.0	Full Circuit Reclear
3300601	Bluegrass - Walkertown	\$27,850.63	0.0	0.0	0.0	0	1	0.00	67.68	0.0	Ground Spray and Reactive Work
3300602	Bluegrass - Hazard	\$3,165.29	0.0	0.0	0.0	0	0	0.00	8.78	0.0	Reactive Work
3301101	Chaves - Chaves	\$97,227.18	0.0	0.0	0.0	39	856	6.89	149.17	0.0	Capital, Ground Spray, Reactive Work
3301401	Combs - Combs	\$7,712.04	0.0	0.0	0.0	0	0	0.00	20.40	0.0	Ground Spray
3301402	Combs - Airport Garden	\$38,470.40	0.0	0.0	0.0	0	0	0.00	92.60	0.0	Ground Spray
3301701	Daisy - Leatherwood	\$3,619.36	0.0	0.0	0.0	0	0	0.00	2.62	0.0	Reactive Work
3302701	Hazard - Black Gold	\$32,118.81	0.0	0.0	0.0	0	0	0.00	147.06	0.0	Ground Spray and Reactive Work
3303901	Leslie - Hyden	\$85,958.86	0.0	0.0	0.0	0	0	0.00	333.40	0.0	Ground Spray and Reactive Work
3303902	Leslie - Wooton	\$6,369.82	0.0	0.0	0.0	0	0	0.00	4.97	0.0	Reactive Work
3307303	Bulan - Lotts Creek	\$5,567.00	0.0	0.0	0.0	0	1	0.00	11.85	0.0	Capital, Ground Spray, Reactive Work
3308001	Jackson - South Jackson	\$1,354.22	0.0	0.0	0.0	0	0	0.00	1.03	0.0	Reactive Work
3308002	Jackson - Panbow	\$1,301.90	0.0	0.0	0.0	0	0	0.00	0.70	0.0	Reactive Work
3308401	Beckham - Hindman	\$95,041.16	0.0	0.0	0.0	18	124	0.92	186.61	0.0	Capital, Ground Spray, Reactive Work
3308402	Beckham - Carr Creek	\$42,793.19	0.0	0.0	0.0	0	3	0.00	81.88	0.0	Capital, Ground Spray, Reactive Work
3308601	Collier - Upper Rockhouse	\$4,695.60	0.0	0.0	0.0	0	0	0.00	9.20	0.0	Ground Spray and Reactive Work
3308603	Collier - Smoot Creek	\$34,028.50	0.0	0.0	0.0	60	468	13.06	1.89	0.0	Capital and Reactive Work
3309001	Jeff - Boone Ledge	\$4,177.83	0.0	0.0	0.0	0	0	0.00	11.15	0.0	Ground Spray
3309002	Jeff - Jeff	\$767.90	0.0	0.0	0.0	0	1	0.00	0.00	0.0	Capital Work
3309101	Whitesburg - Whitesburg	\$7,016.57	0.0	0.0	0.0	0	0	0.00	26.92	0.0	Ground Spray
3309102	Whitesburg - Hospital	\$6,702.39	0.0	0.0	0.0	0	5	0.00	21.10	0.0	Capital Work and Ground Spray
3309103	Whitesburg - Cowan	\$3,725.54	0.0	0.0	0.0	0	0	0.00	1.92	0.0	Reactive Work
3309104	Whitesburg - Crafts Colley	\$23,208.54	0.0	0.0	0.0	0	1	0.00	89.70	0.0	Capital Work and Ground Spray
3309302	Vicco - Jeff	\$79,220.18	0.0	0.0	0.0	0	0	0.00	206.93	0.0	Ground Spray and Reactive Work
3309901	Slemp - Defeated Creek	\$12,582.97	0.0	0.0	0.0	0	0	0.00	23.20	0.0	Ground Spray
3309902	Slemp - Leatherwood	\$59,688.60	0.0	0.0	0.0	0	0	0.00	102.50	0.0	Ground Spray and Reactive Work
3309903	Slemp - Beech Fork	\$1,225.55	0.0	0.0	0.0	0	0	0.00	3.80	0.0	Ground Spray
3309904	Slemp - Royal Diamond	\$1,647.52	0.0	0.0	0.0	0	0	0.00	5.60	0.0	Ground Spray
3310502	Haddix - Canoe	\$97,860.42	0.0	0.0	0.0	0	41	0.00	229.28	0.0	Capital, Ground Spray, Reactive Work
3310503	Haddix - Troublesome Creek	\$75,524.49	0.0	0.0	0.0	0	0	3.08	201.63	0.0	Ground Spray and Reactive Work
3311101	Stinnett - Redbird	\$89,887.42	0.0	0.0	0.0	0	0	0.00	227.45	0.0	Ground Spray and Reactive Work
3311102	Stinnett - Beech Fork	\$4,913.80	0.0	0.0	0.0	0	0	0.00	16.70	0.0	Ground Spray
3311401	Reedy - Deane	\$38,409.38	0.0	0.0	0.0	0	2	0.00	87.45	0.0	Capital Work and Ground Spray
3311701	Shamrock - Shamrock	\$2,030.88	0.0	0.0	0.0	0	0	0.00	3.47	0.0	Reactive Work
3312201	Engle - Industrial Park	\$6,525.50	0.0	0.0	0.0	7	141	0.44	0.00	0.0	Reactive Work
3312202	Engle - Grapevine	\$4,928.53	0.0	0.0	0.0	1	34	0.00	6.28	0.0	Reactive Work
3312901	Jenkins - Kona	\$20,004.20	0.0	0.0	0.0	0	0	0.00	68.00	0.0	Ground Spray
3314401	Mayking - Ermine	\$2,797.40	0.0	0.0	0.0	0	0	0.00	3.84	0.0	Reactive Work
3314402	Mayking - Millstone	\$3,990.12	0.0	0.0	0.0	0	2	0.00	4.70	0.0	Capital and Reactive Work
3401301	Fleming - Neon	\$18,439.93	0.0	0.0	0.0	0	1	0.00	21.68	0.0	Capital, Ground Spray, Reactive Work
3401302	Fleming - McRoberts	\$21,796.49	0.0	0.0	0.0	0	0	0.00	43.10	0.0	Ground Spray
3420001	Softshell - Vest	\$44,862.54	0.0	0.0	0.0	0	0	0.00	174.99	0.0	Ground Spray and Reactive Work
3420002	Softshell - Leburn	\$2,757.75	0.0	0.0	0.0	0	0	0.00	3.99	0.0	Reactive Work
<b>Hazard District Totals</b>		<b>\$6,438,350.61</b>		<b>528.8</b>	<b>451.0</b>	<b>11,836</b>	<b>83,758</b>	<b>1,504.59</b>	<b>3,880.91</b>	<b>0.0</b>	

2023 KY POWER FORESTRY CIRCUIT HISTORY Five Year Cycle Maintenance Clearing				Costs 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 Completed	Trees Trimmed	Trees Removed	Brush Cut (Acres)	Brush Sprayed (Acres)	Tree Growth Regulator	Comments
2150103	Sprigg - Sprigg	\$94,178.52	9.0	9.0	9.0	157	422	0.52	0.00	0.00	Full Circuit Reclear
2150105	Sprigg - Matewan	\$149,861.10	7.9	7.9	7.9	353	791	0.00	0.00	0.00	Full Circuit Reclear
3120101	Stanville - Mudcreek	\$1,994,806.37	85.1	85.1	85.1	4,670	16,616	302.05	12.64	0.00	Full Circuit Reclear
3120103	Stanville - Harold	\$694,643.97	55.5	55.5	54.5	1,689	5,679	105.21	8.08	0.00	Full Circuit Reclear
3150501	Borderland - Nolan	\$175,740.13	18.5	18.5	8.5	190	1,448	24.32	19.86	0.00	Full Circuit Reclear
3150502	Borderland - Chattaroy	\$189,023.10	10.1	10.1	10.1	407	1,775	1.47	0.00	0.00	Full Circuit Reclear
3200204	Barrenshe - Pounding Mill	\$212,291.94	15.8	15.8	15.8	413	1,418	0.00	0.00	0.00	Full Circuit Reclear
3200301	Belfry - Belfry	\$160,336.79	13.3	13.3	13.3	208	1,272	0.00	0.00	0.00	Full Circuit Reclear
3202202	Lovely - Wolf Creek	\$639,935.75	60.4	60.4	60.4	1,666	6,738	151.62	94.54	0.00	Full Circuit Reclear
3400701	Driffin - Belcher	\$349,886.81	21.3	21.3	21.3	350	2,387	0.62	0.00	0.00	Full Circuit Reclear
3400702	Driffin - Yellow Hill	\$347,932.64	11.7	11.7	11.7	376	3,223	0.00	0.00	0.00	Full Circuit Reclear
3401702	Henry Clay - Regina	\$237,910.05	115.9	3.3	3.3	105	674	12.06	238.20	0.00	Finish Full Circuit Reclear, from 2022
3402001	Keyser - Thompson Road	\$167,489.21	10.6	10.6	7.5	234	1,118	0.61	0.00	0.00	Full Circuit Reclear
3403701	Russell Fork - Little Beaver	\$77,931.56	12.1	1.0	1.0	53	283	0.00	0.00	0.00	Finish Full Circuit Reclear, from 2022
3408101	Salisbury - Printer	\$222,686.81	19.6	19.6	19.6	636	1,740	36.18	7.84	0.00	Full Circuit Reclear
3408102	Salisbury - Black Diamond Coal	\$16,360.07	1.5	1.5	1.5	5	124	3.30	3.69	0.00	Full Circuit Reclear
3408103	Salisbury - Martin	\$1,050,395.50	45.8	44.3	43.5	865	6,310	147.65	61.22	0.00	Finish Full Circuit Reclear, from 2022
3409502	Burdine - Levisa	\$361,848.24	40.0	40.0	12.9	434	2,482	47.75	30.54	0.00	Full Circuit Reclear
3410502	South Pikeville - Island Creek	\$98,633.15	39.5	39.5	2.5	35	725	2.79	0.00	0.00	Full Circuit Reclear
3411901	Fords Branch - Shelby	\$723,643.42	40.4	40.4	40.4	1,326	4,548	101.43	3.12	0.00	Full Circuit Reclear
3417602	New Camp - ARH	\$73,293.46	21.6	6.0	6.0	294	291	0.00	0.00	0.00	Finish Full Circuit Reclear, from 2022
3421001	Breaks - City	\$339,761.11	30.3	26.5	18.2	577	1,327	36.84	8.58	0.00	Begin Full Circuit Reclear
3421002	Breaks - Grassy	\$113,494.39	4.2	4.2	3.5	72	924	19.29	0.00	0.00	Full Circuit Reclear
3200201	Barrenshe - Freeburn	\$118,088.82	0.0	0.0	0.0	0	0	5.91	65.71	0.00	Ground Spray
3200202	Barrenshe - Vulcan	\$33,841.40	0.0	0.0	0.0	0	0	0.00	59.70	0.00	Ground Spray
3200203	Barrenshe - Slate Branch	\$17,427.24	0.0	0.0	0.0	0	12	0.00	20.70	0.00	Capital Work and Ground Spray
3200302	Belfry - Toler	\$44,271.15	0.0	0.0	0.0	0	1	0.00	47.06	0.00	Capital Work and Ground Spray
3201001	Tom Watkins-Upper Pond Creek	\$80,953.03	0.0	0.0	0.0	0	0	0.00	97.40	0.00	Ground Spray
3202203	Lovely - Mt. Sterling	\$10,291.00	0.0	0.0	0.0	2	43	0.01	0.00	0.00	Capital Work
3400101	Allen - Distribution	\$948.60	0.0	0.0	0.0	0	1	0.00	0.00	0.00	Capital Work
3400601	Burton - Bevinsville	\$19,061.60	0.0	0.0	0.0	0	0	0.00	55.50	0.00	Ground Spray
3400602	Burton - Wheelwright	\$17,104.65	0.0	0.0	0.0	0	0	0.00	40.16	0.00	Ground Spray
3401001	Elwood - Dorton	\$38,062.40	0.0	0.0	0.0	0	0	0.00	91.20	0.00	Ground Spray
3401002	Elwood - Virgie	\$58,972.90	0.0	0.0	0.0	0	0	0.00	146.30	0.00	Ground Spray
3401102	Falcon - Salyersville	\$2,654.33	0.0	0.0	0.0	3	0	0.00	0.00	0.00	Reactive Work
3401703	Henry Clay - Ashcamp	\$37,765.70	0.0	0.0	0.0	0	0	0.00	95.20	0.00	Ground Spray
3401801	Index - West Liberty	\$51,476.79	0.0	0.0	0.0	0	0	0.00	106.00	0.00	Ground Spray
3401802	Index - Hospital	\$18,625.20	0.0	0.0	0.0	0	0	0.00	16.00	0.00	Ground Spray
3402002	Keyser - Stonecoal	\$9,241.90	0.0	0.0	0.0	1	2	0.00	0.00	0.00	Capital Work
3403202	Beaver Creek - Price	\$20,315.40	0.0	0.0	0.0	0	0	0.00	109.20	0.00	Ground Spray
3403801	Second Fork - Distribution	\$8,680.35	0.0	0.0	0.0	0	0	0.00	30.50	0.00	Ground Spray
3407101	Topmost - Dema	\$30,543.80	0.0	0.0	0.0	0	0	0.00	84.10	0.00	Ground Spray
3407103	Topmost - Kite	\$21,946.96	0.0	0.0	0.0	0	0	0.00	80.50	0.00	Ground Spray
3408303	Coleman - Peter Creek	\$5,964.30	0.0	0.0	0.0	0	2	0.00	0.00	0.00	Capital Work
3408402	Kimper - Grapevine	\$37,080.08	0.0	0.0	0.0	13	4	0.00	93.20	0.00	Ground Spray and Reactive Work
3409001	W. Paintsville - Paintsville	\$9,130.84	0.0	0.0	0.0	0	0	6.01	6.91	0.00	Ground Spray
3409003	West Paintsville - Plaza	\$73,222.18	0.0	0.0	0.0	0	0	4.54	69.54	0.00	Ground Spray
3409401	Feds Creek - Feds Creek	\$4,240.78	0.0	0.0	0.0	0	0	0.00	3.76	0.00	Ground Spray
3410501	South Pikeville - Pikeville	\$6,395.40	0.0	0.0	0.0	0	0	0.00	16.80	0.00	Ground Spray
3410503	South Pikeville - Hospital	\$4,224.70	0.0	0.0	0.0	0	0	0.00	12.00	0.00	Ground Spray
3411401	Dewey - Inez - A	\$429.24	0.0	0.0	0.0	0	1	0.00	0.00	0.00	Reactive Work
3411802	Johns Creek - Raccoon	\$71,024.10	0.0	0.0	0.0	0	0	0.00	262.80	0.00	Ground Spray
3412901	Weeksburly - Distribution	\$27,792.10	0.0	0.0	0.0	0	0	0.00	75.10	0.00	Ground Spray
3413401	Garrett - Garrett	\$32,738.16	0.0	0.0	0.0	0	0	0.00	110.30	0.00	Ground Spray
3413402	Garrett - Lackey	\$30,786.28	0.0	0.0	0.0	0	0	0.00	172.70	0.00	Ground Spray
3414301	Sidney - Big Creek	\$1,080.50	0.0	0.0	0.0	0	1	0.00	0.00	0.00	Capital Work
3414901	Fishtrap - Distribution	\$2,908.00	0.0	0.0	0.0	0	0	0.00	29.60	0.00	Ground Spray
3417601	New Camp - South Side	\$1,779.45	0.0	0.0	0.0	0	5	0.00	0.00	0.00	Capital Work
3420101	Mayo Trail-Nippa	\$81,220.08	0.0	0.0	0.0	0	137	11.39	75.21	0.00	Ground Spray and Reactive Work
3420103	Mayo Trail - Davs Branch	\$80,616.23	0.0	0.0	0.0	0	9	0.17	93.18	0.00	Ground Spray and Reactive Work
<b>Pikeville District Totals</b>		<b>\$9,602,989.73</b>		<b>545.4</b>	<b>457.2</b>	<b>15,134</b>	<b>62,433</b>	<b>1,021.74</b>	<b>2,654.64</b>	<b>0.0</b>	
<b>Kentucky Power 2023 Totals</b>		<b>\$22,066,157.17</b>		<b>1,623.7</b>	<b>1,396.61</b>	<b>49,323</b>	<b>175,079</b>	<b>3,534.95</b>	<b>7,580.03</b>	<b>0.0</b>	



**Attachment 2 – 2024 Annual Maintenance Cycle Plan**

2024 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 & arial spray, and arial 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	Hayward	Halderman	3000801	119.89	92.37	\$11,990	\$1,107,477	\$108,288	\$1,215,766	Finish Full Circuit Reclear, from 2023
ASH	Louisa	City	3001401	9.74	9.74	\$11,990	\$116,778	\$11,419	\$128,197	Full Circuit Reclear
ASH	Louisa	High Bottom	3001402	13.30	13.30	\$11,990	\$159,461	\$15,592	\$175,053	Full Circuit Reclear
ASH	South Shore	Siloam	3002001	38.45	38.45	\$11,990	\$460,999	\$45,076	\$506,075	Full Circuit Reclear
ASH	South Shore	Distribution	3002002	9.38	5.70	\$11,990	\$68,341	\$6,682	\$75,023	Finish Full Circuit Reclear, from 2023
ASH	Tenth Street	6th Street	3002101	0.59	0.59	\$11,990	\$7,074	\$692	\$7,766	Full Circuit Reclear
ASH	Tenth Street	2nd Street	3002102	0.01	0.01	\$11,990	\$120	\$12	\$132	Full Circuit Reclear
ASH	Tenth Street	12th Street	3002103	11.17	11.17	\$11,990	\$133,924	\$13,095	\$147,019	Full Circuit Reclear
ASH	Tenth Street	3rd Street	3002104	2.95	2.95	\$11,990	\$35,369	\$3,458	\$38,828	Full Circuit Reclear
ASH	Tenth Street	Midtown	3002105	3.71	3.71	\$11,990	\$44,481	\$4,349	\$48,831	Full Circuit Reclear
ASH	Tenth Street	Front Street	3002106	1.67	1.67	\$11,990	\$20,023	\$1,958	\$21,980	Full Circuit Reclear
ASH	Tenth Street	West Central	3002107	15.83	15.83	\$11,990	\$189,795	\$18,558	\$208,353	Full Circuit Reclear
ASH	Coalton	US 60 West	3003701	87.66	67.87	\$11,990	\$813,733	\$79,566	\$893,299	Finish Full Circuit Reclear, from 2023
ASH	Siloam	Distribution	3004301	18.09	18.09	\$11,990	\$216,891	\$21,207	\$238,099	Full Circuit Reclear
ASH	Busseyville	Walbridge	3007906	95.68	16.33	\$11,990	\$195,790	\$19,144	\$214,934	Finish Full Circuit Reclear, from 2023
ASH	47th Street	Catlettsburg	3008003	27.48	27.48	\$11,990	\$329,474	\$32,216	\$361,689	Full Circuit Reclear
ASH	Cannonsburg	Cannonsburg	3008701	33.30	33.30	\$11,990	\$399,253	\$39,039	\$438,292	Full Circuit Reclear
ASH	Olive Hill	Globe	3103101	123.31	44.32	\$11,990	\$531,378	\$51,958	\$583,336	Begin Full Circuit Reclear
ASH	Olive Hill	City	3103102	0.01	0.01	\$11,990	\$120	\$12	\$132	Full Circuit Reclear
ASH	Princess	Meade	3117601	44.99	44.99	\$11,990	\$539,411	\$52,743	\$592,154	Full Circuit Reclear
ASH	Princess	Route 180	3117602	23.28	23.28	\$11,990	\$279,117	\$27,292	\$306,409	Full Circuit Reclear
ASH	Princess	Midland Trail	3117603	39.28	39.28	\$11,990	\$470,951	\$46,049	\$517,000	Full Circuit Reclear
ASH	Princess	East Park	3117604	0.15	0.15	\$11,990	\$1,798	\$176	\$1,974	Full Circuit Reclear
ASH	Kenova	Catlettsburg	3200171	0.16	0.16	\$11,990	\$1,918	\$188	\$2,106	Full Circuit Reclear
<b>Ashland District Totals</b>				<b>510.75</b>			<b>\$6,123,677</b>	<b>\$598,769</b>	<b>\$6,722,445</b>	

2024 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 & arial spray, and arial 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	Daisy	Leatherwood	3301701	87.35	87.35	\$11,171	\$975,810	\$95,417	\$1,071,227	Full Circuit Reclear
HAZ	Leslie	Wooton	3303902	129.47	24.31	\$11,171	\$271,573	\$26,555	\$298,128	Begin Full Circuit Reclear
HAZ	Leslie	Halsfork	3303903	76.69	48.69	\$11,171	\$543,929	\$53,187	\$597,115	Finish Full Circuit Reclear, from 2023
HAZ	Bulan	Ary Hiner	3307301	51.28	38.03	\$11,171	\$424,843	\$41,542	\$466,385	Finish Full Circuit Reclear, from 2023
HAZ	Jackson	South Jackson	3308001	26.56	26.56	\$11,171	\$296,709	\$29,013	\$325,722	Full Circuit Reclear
HAZ	Jackson	Panbowl	3308002	32.48	32.48	\$11,171	\$362,843	\$35,480	\$398,322	Full Circuit Reclear
HAZ	Beckham	Pippa Passes	3308404	62.94	39.00	\$11,171	\$435,679	\$42,602	\$478,281	Finish Full Circuit Reclear, from 2023
HAZ	Bonnyman	Hazard	3308502	67.33	50.43	\$11,171	\$563,367	\$55,087	\$618,454	Finish Full Circuit Reclear, from 2023
HAZ	Collier	Smoot Creek	3308603	78.58	78.58	\$11,171	\$877,838	\$85,837	\$963,675	Full Circuit Reclear
HAZ	Jeff	Jeff	3309002	5.69	5.69	\$11,171	\$63,564	\$6,215	\$69,780	Full Circuit Reclear
HAZ	Jeff	Viper	3309003	67.07	57.17	\$11,171	\$638,661	\$62,450	\$701,111	Finish Full Circuit Reclear, from 2023
HAZ	Shamrock	Shamrock	3311701	28.55	28.55	\$11,171	\$318,940	\$31,187	\$350,126	Full Circuit Reclear
HAZ	Engle	Industrial Park	3312201	4.53	4.53	\$11,171	\$50,606	\$4,948	\$55,554	Full Circuit Reclear
HAZ	Engle	Grapevine	3312202	100.14	20.00	\$11,171	\$223,425	\$21,847	\$245,272	Begin Full Circuit Reclear
<b>Hazard District Totals</b>				<b>541.37</b>			<b>\$6,047,786</b>	<b>\$591,366</b>	<b>\$6,639,152</b>	

2024 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 & arial spray, and arial 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	Stanville	Harold	3120103	55.54	1.09	\$12,776	\$13,926	\$1,361	\$15,287	Finish Full Circuit Reclear, from 2023
PKV	Borderland	Nolan	3150501	18.70	10.18	\$12,776	\$130,061	\$12,713	\$142,774	Finish Full Circuit Reclear, from 2023
PKV	Burton	Bevinsville	3400601	19.54	19.54	\$12,776	\$249,646	\$24,401	\$274,048	Full Circuit Reclear
PKV	Burton	Wheelwright	3400602	20.23	20.23	\$12,776	\$258,462	\$25,263	\$283,725	Full Circuit Reclear
PKV	Falcon	Oil Springs	3401101	47.36	47.36	\$12,776	\$605,079	\$59,143	\$664,222	Full Circuit Reclear
PKV	Falcon	Burning Fork	3401103	73.03	2.98	\$12,776	\$38,073	\$3,721	\$41,794	Begin Full Circuit Reclear
PKV	Keyser	Thompson Road	3402001	10.57	3.12	\$12,776	\$39,862	\$3,896	\$43,758	Finish Full Circuit Reclear, from 2023
PKV	McKinney	Gibson	3402202	41.96	20.00	\$12,776	\$255,523	\$24,976	\$280,499	Begin Full Circuit Reclear
PKV	Pikeville	Main Street	3403002	18.89	18.89	\$12,776	\$241,342	\$23,590	\$264,931	Full Circuit Reclear
PKV	Prestonsburg	University	3403302	17.04	17.04	\$12,776	\$217,706	\$21,280	\$238,985	Full Circuit Reclear
PKV	Salisbury	Martin	3408103	45.99	2.54	\$12,776	\$32,451	\$3,172	\$35,623	Finish Full Circuit Reclear, from 2023
PKV	Coleman	KY Carbon	3408301	0.02	0.02	\$12,776	\$256	\$25	\$280	Full Circuit Reclear
PKV	Coleman	Peter Creek	3408303	46.46	46.46	\$12,776	\$593,580	\$58,019	\$651,599	Full Circuit Reclear
PKV	Coleman	Calloway	3408304	36.26	36.26	\$12,776	\$463,263	\$45,281	\$508,545	Full Circuit Reclear
PKV	Burdine	Lewis	3409502	40.00	27.10	\$12,776	\$346,234	\$33,842	\$380,076	Finish Full Circuit Reclear, from 2023
PKV	South Pikeville	Island Creek	3410502	40.27	37.77	\$12,776	\$482,555	\$47,167	\$529,723	Finish Full Circuit Reclear, from 2023
PKV	Johns Creek	Meta	3411801	60.58	60.58	\$12,776	\$773,980	\$75,652	\$849,632	Full Circuit Reclear
PKV	Fords Branch	Robinson Creek	3411902	70.08	70.08	\$12,776	\$895,353	\$87,516	\$982,869	Full Circuit Reclear
PKV	Weeksbury	Distribution	3412901	26.14	26.14	\$12,776	\$333,969	\$32,644	\$366,612	Full Circuit Reclear
PKV	Breaks	City	3421001	35.65	17.45	\$12,776	\$222,944	\$21,792	\$244,735	Finish Full Circuit Reclear, from 2023
PKV	Breaks	Grassy	3421002	8.10	4.65	\$12,776	\$59,409	\$5,807	\$65,216	Finish Full Circuit Reclear, from 2023
PKV	Raccoon	Zebulon	3421301	110.99	110.99	\$12,776	\$1,418,026	\$138,604	\$1,556,630	Full Circuit Reclear
<b>Pikeville District Totals</b>					<b>600.47</b>		<b>\$7,671,699</b>	<b>\$749,865</b>	<b>\$8,421,565</b>	
<b>Kentucky Power 2024 Totals</b>					<b>1,652.59</b>		<b>\$19,843,162</b>	<b>\$1,940,000</b>	<b>\$21,783,162</b>	

**Attachment 3 – 2024 Annual Spray Plan**

<b>Kentucky Power 2024 Distribution VM Spray Plan - Cycle Based</b>		
<b>District</b>	<b>Acres</b>	<b>O&amp;M Budget</b>
Ashland	300	\$270,000
Hazard	550	\$495,000
Pikeville	850	\$765,000
<b>KY Total</b>	<b>1,700</b>	<b>\$1,530,000</b>

**Attachment 4 – Recapitulation Expenditures by District**

<b>Kentucky Power Company 2024 Distribution VM O&amp;M Forestry Plan - Summary</b>				
<b>Activity</b>	<b>Total O&amp;M</b>	<b>Ashland</b>	<b>Hazard</b>	<b>Pikeville</b>
5 Year Cycle Maintenance	\$19,843,162	\$6,123,677	\$6,047,786	\$7,671,699
Aerial Saw	\$0	\$0	\$0	\$0
Spray - Ground & Aerial	\$1,530,000	\$270,000	\$495,000	\$765,000
Internal - KY Forestry Staff	\$615,000	\$205,000	\$205,000	\$205,000
Unscheduled/Reactive Maintenance	\$400,000	\$95,000	\$152,500	\$152,500
<b>2024 Total 5 Yr. Cycle O&amp;M Budget</b>	<b>\$22,388,162</b>	<b>\$6,693,677</b>	<b>\$6,900,286</b>	<b>\$8,794,199</b>

<b>Kentucky Power Company 2024 Distribution VM Capital Forestry Plan - Summary</b>				
<b>Activity</b>	<b>Total Capital</b>	<b>Ashland</b>	<b>Hazard</b>	<b>Pikeville</b>
Capital Assoc. w/ 5 Yr. Cycle Maintenance	\$1,940,000	\$598,769	\$591,366	\$749,865
Internal - KY Forestry Staff	\$60,000	\$20,000	\$20,000	\$20,000
Capital Reliability Pilot Program	\$3,800,000	\$200,000	\$1,800,000	\$1,800,000
Internal - KY Forestry Staff	\$133,000	\$8,000	\$55,000	\$70,000
<b>2024 Total Capital Budget</b>	<b>\$5,933,000</b>	<b>\$826,769</b>	<b>\$2,466,366</b>	<b>\$2,639,865</b>

**Section 5 - Circuit Report**  
**Reporting Year : 2023**

	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	SPRINGFORK	1PHASEDIS	Mine Shaft Road, Evanston	Evanston	8.36	16	3/27/2020	2,589.10	2,968.38	5.65	11.125	SCHEDULED COMPANY, TREE OUT OF ROW, EQUIPMENT FAILURE, FIRE - AEP, OR AFFECTING > 1 CUSTOMER	76.19%, 14.29%, 4.76%, 4.76%	Spring Fork station retired in 2023. Distribution circuit permanently transferred to Haddix Quicksand circuit.	Scheduled company outages accounted for 50.1% the total SAIDI and 64.0% the total SAIFI
2	Pikeville	2970603	HURLEY STATION	RACEFORK	Hurley, Va	Paw Paw	2.72	42	11/18/2022	1,789.84	2,877.43	3.71	7.214	TREE OUT OF ROW, EQUIPMENT FAILURE, SCHEDULED COMPANY, WEATHER - UNKNOWN	58.33%, 25%, 8.33%, 8.33%	No corrective actions planned.	Tree out of ROW outages accounted for 89.3% of the total SAIDI and 70.3% of the total SAIFI.
3	Hazard	3310501	HADDIX	QUICKSAND	Jct of Hwy 397 and HWY 1110	Kragon, Quicksand, Hwy 1098, Smith Br	115.51	971	8/24/2023	1,537.18	2,238.71	4.79	6.614	SCHEDULED COMPANY, TREE OUT OF ROW, EQUIPMENT FAILURE, FACILITATION OF WORK, UNKNOWN (NON WEATHER), WEATHER - UNKNOWN, ANIMAL - NON BIRD, VINE, TREE REMOVAL (NON AEP), VEHICLE ACCIDENT (NON	43.45%, 13.69%, 12.5%, 9.52%, 4.76%, 4.17%, 2.98%, 2.38%, 1.79%, 1.19%, 1.19%, 0.6%, 0.6%, 0.6%, 0.6%	Added load from Spring Fork station and better sectionalized the Spring Fork area in 2023.	Tree out of ROW outages accounted for 47.8% of the total SAIDI. Equipment failure outages accounted for 31.6% of the total SAIFI.
4	Pikeville	3407102	TOPMOST	CANEY	South Highway 7, Topmost	Topmost	3.31	4	4/23/2021	1,613.22	1,758.00	2.44	1.500	TREE OUT OF ROW	100.00%	No corrective actions planned.	Tree out of ROW outages accounted for 100% of the total SAIDI and SAIFI
5	Hazard	3303901	LESLIE	HYDEN	Azalea Dr, Wooten	Parts of Hyden, Confluence, Thousandsticks	89.94	869	3/11/2021	1,232.03	1,576.39	4.66	5.674	TREE OUT OF ROW, SCHEDULED COMPANY, EQUIPMENT FAILURE, UNKNOWN (NON WEATHER), FACILITATION OF WORK, WEATHER - UNKNOWN, WEATHER - HIGH WINDS (EXCEEDING 60 MPH), ANIMAL - NON BIRD, VINE, TREE INSIDE ROW, VEHICLE ACCIDENT (NON AEP), VANDALISM	23.29%, 19.18%, 15.07%, 12.33%, 8.22%, 6.85%, 4.11%, 4.11%, 2.74%, 1.37%, 1.37%, 1.37%	Distribution Automation (DA) upgrades are planned for this circuit. Leslie Hyden tie line with Stinnett Wendover to be completed in 2024. Small wire replacement project to be completed in 2024.	Tree out of ROW outages accounted for 75.7% of the total SAIDI and 39.2% of the total SAIFI. Scheduled outages accounted for 44.9% of the total SAIFI.
6	Hazard	3301101	CHAVIES	CHAVIES	Hwy 28, Chavies	Chavies, Gays Cr., Saul	68.27	660	10/25/2022	906.89	1,444.68	2.30	2.821	SCHEDULED COMPANY, TREE OUT OF ROW, UNKNOWN (NON WEATHER), FACILITATION OF WORK, WEATHER - UNKNOWN, TREE INSIDE ROW, ANIMAL - NON BIRD, EQUIPMENT FAILURE, WEATHER - HIGH WINDS (EXCEEDING 60 MPH), TREE REMOVAL (NON AEP), SCHEDULED OUTSIDE REQUEST > 1 CUSTOMER, VEHICLE ACCIDENT (NON AEP)	30.43%, 23.91%, 13.04%, 8.7%, 4.35%, 4.35%, 4.35%, 2.17%, 2.17%, 2.17%, 2.17%, 2.17%	No corrective actions planned.	Two tree out of ROW outages accounted for 50.4% of the total SAIDI and 32.8% of the total SAIFI.
7	Hazard	3401302	FLEMING	MCROBERTS	SR 343, Fleming Rd, off Arlie Hall Dr	Mcroberts, Seco	28.6	791	9/22/2021	780.96	1,434.18	3.20	6.260	TREE OUT OF ROW, EQUIPMENT FAILURE, UNKNOWN (NON WEATHER), SCHEDULED COMPANY, TREE INSIDE ROW, VINE, CORROSION, FOREIGN OBJECT (NON ANIMAL)	42.86%, 20%, 17.14%, 8.57%, 2.86%, 2.86%, 2.86%, 2.86%	No corrective actions planned.	Tree out of ROW outages accounted for 60.5% of the total SAIDI and 57.9% of the total SAIFI.
8	Pikeville	3202202	LOVELY	WOLFCREEK	Hwy 292, Lovely	Inez, Lovely, Pilgrim	60.65	724	9/11/2023	1,296.16	1,399.35	5.26	7.160	TREE OUT OF ROW, EQUIPMENT FAILURE, SCHEDULED COMPANY, WEATHER - UNKNOWN, FACILITATION OF WORK, UNKNOWN (NON WEATHER), VINE, TREE REMOVAL (NON AEP), FIRE - AEP, OR AFFECTING > 1 CUSTOMER, ANIMAL - BIRD	26.15%, 18.46%, 15.38%, 15.38%, 7.69%, 6.15%, 4.62%, 3.08%, 1.54%, 1.54%	No corrective actions planned.	Weather - Unknown outages accounted for 30.8% of the total SAIDI and 38.7% of total SAIFI.
9	Pikeville	2150105	SPRIGG	MATEWAN	Lobata, KY	Matewan, Delbarton, Red Jacket, Mc Carr	7.86	126	4/28/2023	1,380.79	1,336.99	3.77	6.429	EQUIPMENT FAILURE, WEATHER - UNKNOWN, TREE OUT OF ROW, UNKNOWN (NON WEATHER), VINE, WEATHER - HIGH WINDS (EXCEEDING 60 MPH)	30%, 20%, 15%, 15%, 15%, 5%	No corrective actions planned.	Weather - Unknown outage accounted for 55.8% of the total SAIDI and 47.9% of the total SAIFI.

**Section 5 - Circuit Report**  
**Reporting Year : 2023**

	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		
10	Pikeville	3408301	COLEMAN	COALCO	Along Calloway Branch just off Right Fork of Peter Creek (Phelps 632 Road)	Calloway Gap, McVeigh	0.02	1	8/7/2019	976.50	1,228.00	1.00	1.000	TREE INSIDE ROW	100.00%	ROW maintenance planned for 2024.	Tree Inside ROW outage accounted for 100% of the total SAIFI and SAIDI.
11	Hazard	3303903	LESLIE	HALSFORK	Azalea Dr, Wooten	Parts of Hyden, Sizerock, Thousandsticks	76.85	969	5/9/2019	982.32	1,207.78	3.32	2.584	TREE OUT OF ROW, SCHEDULED COMPANY, EQUIPMENT FAILURE, VINE, UNKNOWN (NON WEATHER), TREE INSIDE ROW, ANIMAL - NON BIRD, FACILITATION OF WORK, WEATHER - UNKNOWN, VEHICLE ACCIDENT (NON AEP), TREE REMOVAL (NON AEP)	27.27%, 19.7%, 12.12%, 10.61%, 7.58%, 6.06%, 6.06%, 4.55%, 3.03%, 1.52%, 1.52%	Distribution Automation (DA) upgrades are planned for this circuit. ROW maintenance planned for 2024.	Tree out of ROW outages accounted for 89.8% of the total SAIDI and 76.7% of the total SAIFI.
12	Pikeville	3411802	JOHNSCREEK	RACCOON	State Highway 194E, Kimper	Kimper, Meta	48.1	739	4/23/2021	806.32	1,033.70	3.15	4.369	EQUIPMENT FAILURE, TREE OUT OF ROW, UNKNOWN (NON WEATHER), SCHEDULED COMPANY, VANDALISM, WEATHER - UNKNOWN, FIRE - AEP, OR AFFECTING > 1 CUSTOMER, WEATHER - LIGHTNING, ANIMAL - NON BIRD	31.91%, 31.91%, 14.89%, 10.64%, 2.13%, 2.13%, 2.13%, 2.13%, 2.13%	No corrective actions planned.	Tree out of ROW outages accounted for 59.3% of the total SAIDI and 50.1% of total SAIFI. Equipment failure outages accounted for 32.0% of the total SAIDI and 31.5% of total SAIFI.
13	Pikeville	3409401	FEDSCREEK	FEDSCREEK	US Route 460, Lick Creek	S River Rd, Mouthcard, Fedscreek Rd, Steele	40.6	747	3/27/2020	864.15	1,016.30	2.98	3.174	SCHEDULED COMPANY, EQUIPMENT FAILURE, FACILITATION OF WORK, TREE OUT OF ROW, UNKNOWN (NON WEATHER), ANIMAL - NON BIRD, FIRE - AEP, OR AFFECTING > 1 CUSTOMER, VINE, TREE INSIDE ROW	45.16%, 12.9%, 11.83%, 10.75%, 8.6%, 3.23%, 3.23%, 3.23%, 1.08%	No corrective actions planned.	Tree out of ROW outages accounted for 40.1% of the total SAIDI and 14.6% of the total SAIFI. Fire related outages accounted for 36.8% of the total SAIDI and 39.9% of the total SAIFI.
14	Hazard	3308503	BONNYMAN	BIGCREEK	Typo Rd, Bonnyman	Avawam, Big Creek, Willard	86.29	1327	10/31/2023	746.21	1,000.62	2.12	2.186	TREE OUT OF ROW, SCHEDULED COMPANY, EQUIPMENT FAILURE, UNKNOWN (NON WEATHER), FACILITATION OF WORK, TREE INSIDE ROW, ANIMAL - BIRD, WEATHER - UNKNOWN, VINE, WEATHER - HIGH WINDS (EXCEEDING 60 MPH), VEHICLE ACCIDENT (NON AEP), FIRE - AEP, OR AFFECTING > 1 CUSTOMER,	26.37%, 23.08%, 12.09%, 8.79%, 7.69%, 5.49%, 4.4%, 3.3%, 2.2%, 2.2%, 1.1%, 1.1%, 1.1%, 1.1%	No corrective actions planned.	One tree out of ROW outage accounted for 39.1% of the total SAIDI and 20.1% of the total SAIFI.
15	Hazard	3303902	LESLIE	WOOTON	Azalea Dr, Wooten	Wooton, Smilax, Yeaddiss	129.57	1405	12/10/2020	786.03	965.41	3.21	2.920	TREE OUT OF ROW, UNKNOWN (NON WEATHER), EQUIPMENT FAILURE, VINE, SCHEDULED COMPANY, ANIMAL - NON BIRD, TREE INSIDE ROW, WEATHER - HIGH WINDS (EXCEEDING 60 MPH), FIRE - AEP, OR AFFECTING > 1 CUSTOMER, VEHICLE ACCIDENT (NON AEP), FACILITATION OF WORK, TREE REMOVAL (NON AEP), ERROR - FIELD	28.05%, 18.29%, 17.07%, 8.54%, 8.54%, 7.32%, 3.66%, 2.44%, 1.22%, 1.22%, 1.22%, 1.22%, 1.22%, 1.22%	Distribution Automation (DA) is planned for this circuit. ROW maintenance planned for 2024.	Tree out of ROW outages accounted for 75.0% of the total SAIDI and 36.5% of the total SAIFI.
16	Hazard	3308603	COLLIER	SMOOCRK	Cinnamon Rd, Collier	Jeremiah	80.72	925	12/13/2019	840.02	924.19	3.74	2.973	TREE OUT OF ROW, EQUIPMENT FAILURE, UNKNOWN (NON WEATHER), SCHEDULED COMPANY, WEATHER - UNKNOWN, ANIMAL - NON BIRD, VINE, ANIMAL - BIRD, WEATHER - HIGH WINDS (EXCEEDING 60 MPH), WEATHER - LIGHTNING, VEHICLE ACCIDENT (NON AEP), TREE	37.84%, 14.86%, 14.86%, 12.16%, 4.05%, 4.05%, 2.7%, 1.35%, 1.35%, 1.35%, 1.35%, 1.35%, 1.35%	ROW maintenance planned for 2024.	Tree out of ROW outages accounted for 80.6% of the total SAIDI and 67.0% of the total SAIFI.

**Section 5 - Circuit Report**  
**Reporting Year : 2023**

	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	3200204	BARRENSHE	POUNDING	Near State Highway 194 E, Freeburn	Freeburn, Ransom, McCarr	15.21	296	8/18/2023	1,247.13	912.44	4.42	7.899	SCHEDULED COMPANY, FACILITATION OF WORK, EQUIPMENT FAILURE, TREE OUT OF ROW, UNKNOWN (NON WEATHER), WEATHER - UNKNOWN, VINE, VANDALISM	30.56%, 27.78%, 16.67%, 11.11%, 5.56%, 2.78%, 2.78%, 2.78%	No corrective actions planned.	Tree out of ROW outages accounted for 37.0% of the total SAIDI and 17.8% of the total SAIFI. Equipment Failure outages accounted for 30.6% of the total SAIDI and 34.7% of the total SAIFI.
18	Pikeville	3411401	DEWEY	INEZ	Near HWY 3, Van Lear	Deboard, Inez, Rockcastle Creek	173.7	2677	10/14/2021	923.10	852.74	4.96	5.678	SCHEDULED COMPANY, TREE OUT OF ROW, EQUIPMENT FAILURE, UNKNOWN (NON WEATHER), FACILITATION OF WORK, WEATHER - UNKNOWN, VINE, TREE INSIDE ROW, ANIMAL - BIRD, ANIMAL - NON BIRD, OTHER, WEATHER - HIGH WINDS (EXCEEDING 60 MPH), TREE REMOVAL (NON AEP), CORROSION, FOREIGN OBJECT (NON ANIMAL), VEHICLE ACCIDENT (NON AEP)	28.57%, 20.98%, 15.63%, 12.05%, 7.59%, 4.46%, 2.68%, 2.23%, 2.23%, 0.89%, 0.45%, 0.45%, 0.45%, 0.45%, 0.45%, 0.45%	Ditribution Automation (DA) upgrades implemented October 2023.	Tree out of ROW accounted for 67.8% of the total SAIDI and 45.5% of the total SAIFI.
19	Pikeville	3202203	LOVELY	MT.STERLING	Hwy 292, Lovely	Lovely, Williamson, Warfield	13.25	191	12/27/2022	773.29	811.85	3.75	3.764	TREE OUT OF ROW, EQUIPMENT FAILURE, WEATHER - UNKNOWN, SCHEDULED COMPANY, UNKNOWN (NON WEATHER), ANIMAL - BIRD, VANDALISM	33.33%, 16.67%, 16.67%, 8.33%, 8.33%, 8.33%, 8.33%	No corrective actions planned.	Tree out of ROW outages accounted for 97.10% of the total SAIDI and 92.9% of the total SAIDI.
20	Hazard	3308601	COLLIER	UPPERROCK	Cinnamon Rd, Collier	Sexton Br, Cinnamon Road, Low Gap Br.	37.74	665	7/6/2022	767.18	805.06	3.25	3.690	TREE OUT OF ROW, SCHEDULED COMPANY, UNKNOWN (NON WEATHER), EQUIPMENT FAILURE, FACILITATION OF WORK, TREE INSIDE ROW, WEATHER - UNKNOWN, WEATHER - HIGH WINDS (EXCEEDING 60 MPH), CORROSION, CONTAMINATION/FLASHOVER	31.11%, 26.67%, 13.33%, 13.33%, 4.44%, 2.22%, 2.22%, 2.22%, 2.22%, 2.22%	No corrective actions planned.	Tree out of ROW outages accounted for 78.1% of the total SAIDI and 46.7% of the total SAIFI.
21	Hazard	3309003	JEFF	VIPER	Hwy 7, Jeff	Maces Creek, Upper River Rd.	66.48	976	8/23/2019	637.99	780.62	2.57	2.514	TREE OUT OF ROW, EQUIPMENT FAILURE, UNKNOWN (NON WEATHER), SCHEDULED COMPANY, TREE INSIDE ROW, VINE, ANIMAL - BIRD, WEATHER - UNKNOWN, FACILITATION OF WORK, ERROR - FIELD, ANIMAL - NON BIRD	34.67%, 18.67%, 13.33%, 12%, 6.67%, 6.67%, 2.67%, 1.33%, 1.33%, 1.33%	ROW maintenance planned for 2024.	Tree out of ROW outages accounted for 72.2% of the total SAIDI and 61.2% of the total SAIFI.
22	Pikeville	3413402	GARRETT	LACKEY	Hwy 7, Jeff	Maces Creek, Upper River Rd.	33.97	491	6/30/2021	722.94	760.79	3.59	3.346	TREE OUT OF ROW, EQUIPMENT FAILURE, UNKNOWN (NON WEATHER), FACILITATION OF WORK, SCHEDULED COMPANY, TREE INSIDE ROW, WEATHER - UNKNOWN, VEHICLE ACCIDENT (NON AEP), VINE	37.5%, 20%, 15%, 7.5%, 7.5%, 5%, 2.5%, 2.5%, 2.5%	No corrective actions planned.	Tree out of ROW accounted for 38.6% of the total SAIDI and 29.0% of the total SAIFI.

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	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		
23	Ashland	3007906	BUSSEYVILLE	WALBRIDGE	638 Stone Coal Rd, Garrett	Lackey, Mousie	100.65	1621	10/25/2019	669.73	720.67	3.42	2.788	TREE OUT OF ROW, UNKNOWN (NON WEATHER), EQUIPMENT FAILURE, TREE REMOVAL (NON AEP), VEHICLE ACCIDENT (NON AEP), SCHEDULED COMPANY, WEATHER - FLOOD/SLIDE, ERROR - FIELD, ANIMAL - NON BIRD, UG CONST. /DIG-INS (NON AEP), VINE, WEATHER - UNKNOWN, FACILITATION OF WORK, ANIMAL - BIRD, WEATHER - HIGH WINDS (EXCEEDING 60 MPH), WEATHER - LIGHTNING	34.69%, 16.33%, 16.33%, 4.08%, 4.08%, 4.08%, 2.04%, 2.04%, 2.04%, 2.04%, 2.04%, 2.04%, 2.04%	Future projects planned for Rt. 1690. ROW maintenance planned for 2024.	Tree out of Row accounted for w72.1% of SAIDI and 51.4% of SAIFI
24	Hazard	3311103	STINNETT	WENDOVER	Greasy Creek Road, Stinnett	Hwy 421, Stinnett Cr., Muncy Cr.	36.02	506	4/25/2023	659.54	717.12	4.37	8.964	SCHEDULED COMPANY, TREE OUT OF ROW, EQUIPMENT FAILURE, FACILITATION OF WORK, UNKNOWN (NON WEATHER), VEHICLE ACCIDENT (NON AEP), WEATHER - UNKNOWN, ANIMAL - NON BIRD	66%, 12%, 6%, 6%, 4%, 2%, 2%, 2%	Distribution Automation (DA) upgrades are planned for this circuit.	Scheduled company outages accounted for 43.8% of the total SAIDI and 52.0% of the total SAIFI.
25	Pikeville	3412901	WEEKSBURY	DISTRIBUTION	Along SR 466 near Abe Fork	SR 466, Abe Fork, Highway 7 S, Caleb Fork, Muddy Gut Br, Mill Br	26.09	407	10/31/2019	362.68	711.46	1.79	5.165	SCHEDULED COMPANY, TREE OUT OF ROW, EQUIPMENT FAILURE, FACILITATION OF WORK, UNKNOWN (NON WEATHER), VINE, ANIMAL - NON BIRD, TREE INSIDE ROW, WEATHER - UNKNOWN, TREE REMOVAL (NON AEP)	33.33%, 17.65%, 13.73%, 13.73%, 7.84%, 3.92%, 3.92%, 1.96%, 1.96%, 1.96%	ROW maintenance planned for 2024.	Tree out of ROW accounted for 67.7% of the total SAIDI and 55.6% of the total SAIFI.
26	Ashland	3000201	BIG SANDY	FALLSBURG	Off HWY 23 by Big Sandy Plant	Rt 3, Little East Fork Rd, Little Cat Fork Rd, Cat Fork, Rt 828	94.72	603	7/30/2022	770.08	696.78	2.80	3.381	TREE OUT OF ROW, EQUIPMENT FAILURE, UNKNOWN (NON WEATHER), SCHEDULED COMPANY, ANIMAL - NON BIRD, WEATHER - LIGHTNING, VINE, TREE INSIDE ROW	31.37%, 17.65%, 15.69%, 11.76%, 11.76%, 5.88%, 3.92%, 1.96%	No corrective actions planned.	Tree out of Row accounted for 83.6% of the total SAIDI and 75.1% of the total SAIFI.
27	Pikeville	2150103	SPRIGG	SPRIGG	Lobata	Williamson, Burnwell, Rawl, Matewan, Belfry	9.11	128	4/28/2023	1,698.81	694.96	4.88	5.938	WEATHER - UNKNOWN, UNKNOWN (NON WEATHER), WEATHER - HIGH WINDS (EXCEEDING 60 MPH), TREE INSIDE ROW, FACILITATION OF WORK, VINE, TREE OUT OF ROW, EQUIPMENT FAILURE, VEHICLE ACCIDENT (NON AEP)	28.57%, 14.29%, 14.29%, 7.14%, 7.14%, 7.14%, 7.14%, 7.14%, 7.14%	No corrective actions planned.	Weather - Unknown outages accounted for 48.3% of the total SAIDI and 56.2% of the total SAIFI.
28	Pikeville	3402501	MIDDLECREEK	DISTRIBUTION	Off KY RT 404 David	David	5.77	116	4/7/2021	219.94	693.72	1.26	2.276	SCHEDULED COMPANY, EQUIPMENT FAILURE, OTHER	50%, 33.33%, 16.67%	No corrective actions planned.	Equipment failure accounted for 83.8% of the total SAIDI and 42.1% of the total SAIFI.
29	Pikeville	3200301	BELFRY	BELFRY	Near US Highway 119 N, Belfry	Belfry, Forest Hill, Huddy	13.31	475	3/22/2023	240.18	686.73	2.00	3.985	SCHEDULED COMPANY, EQUIPMENT FAILURE, WEATHER - UNKNOWN, VINE, TREE OUT OF ROW	36%, 24%, 20%, 12%, 8%	No corrective actions planned.	Equipment Failure outages accounted for 46.8% of the total SAIDI and 33.3% 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		
30	Hazard	3307302	BULAN	AJAX-DWAR	Carriage Lane, Bulan	Bulan, Dwarf	41.92	855	8/17/2023	362.80	671.30	1.31	2.575	SCHEDULED COMPANY, TREE OUT OF ROW, EQUIPMENT FAILURE, ANIMAL - NON BIRD, WEATHER - UNKNOWN, UNKNOWN (NON WEATHER), SCHEDULED OUTSIDE REQUEST > 1 CUSTOMER, FOREIGN OBJECT (NON ANIMAL), FACILITATION OF WORK, WEATHER - HIGH WINDS (EXCEEDING 60 MPH), TREE REMOVAL (NON AEP)	55.26%, 17.11%, 5.26%, 3.95%, 3.95%, 3.95%, 2.63%, 2.63%, 2.63%, 1.32%, 1.32%	No corrective actions planned.	Tree out of ROW outages accounted for 63.5% of the total SAIDI and 50.4% of the total SAIFI.
31	Ashland	3000601	GRAHN	PLEASANTV	Grahn Rd, near Clay Dump Road	Grahn	42.74	375	12/9/2022	501.42	653.71	2.32	2.541	TREE OUT OF ROW, SCHEDULED COMPANY, EQUIPMENT FAILURE, UNKNOWN (NON WEATHER), TREE INSIDE ROW, FACILITATION OF WORK, OTHER, ANIMAL - BIRD, ANIMAL - NON BIRD	30.43%, 21.74%, 13.04%, 8.7%, 8.7%, 4.35%, 4.35%, 4.35%, 4.35%	No corrective actions planned.	One animal related outage accounted for 45.4% of the total SAIDI and 39.9% of the total SAIFI.
32	Hazard	3309904	SLEMP	ROYAL DIAMOND	SR 699, SlemP	SR 463, Stony Fork Road	2.3	2	4/30/2021	512.38	639.00	1.63	1.000	VEHICLE ACCIDENT (NON AEP)	100.00%	No corrective actions planned.	One vehicle accident accounted for 100% of the total SAIDI and the total SAIFI.
33	Hazard	3401301	FLEMING	NEON	SR 343, Fleming Rd, off Arlie Hall Dr	SR 343, Fleming Rd, SR 317, Fleming Neon	20.46	686	11/19/2021	402.46	600.58	1.70	2.723	SCHEDULED COMPANY, TREE OUT OF ROW, VINE, UNKNOWN (NON WEATHER), VEHICLE ACCIDENT (NON AEP), FACILITATION OF WORK, EQUIPMENT FAILURE, ANIMAL - BIRD, WEATHER - LIGHTNING	38.24%, 14.71%, 11.76%, 8.82%, 8.82%, 5.88%, 5.88%, 2.94%, 2.94%	No corrective actions planned.	One equipment failure outage accounted for 41.3% of the total SAIDI and 36.7% of the total SAIFI. One vehicle accident accounted for 27.8% of the total SAIDI and 36.6% of the total SAIFI.
34	Ashland	3000801	HAYWARD	HALDEMAN	Near 6876 SR 174	Olive Hill	120.6	1654	10/18/2019	435.64	554.26	2.21	3.169	TREE OUT OF ROW, SCHEDULED COMPANY, EQUIPMENT FAILURE, UNKNOWN (NON WEATHER), FACILITATION OF WORK, ANIMAL - NON BIRD, WEATHER - UNKNOWN, FIRE - AEP, OR AFFECTING > 1 CUSTOMER, ANIMAL - BIRD, WEATHER - HIGH WINDS (EXCEEDING 60 MPH), TREE REMOVAL (NON AEP), OVERLOAD, WEATHER - LIGHTNING, FOREIGN OBJECT (NON ANIMAL), VEHICLE ACCIDENT (NON AEP), ERROR	25%, 21.43%, 18.75%, 9.82%, 8.04%, 4.46%, 3.57%, 0.89%, 0.89%, 0.89%, 0.89%, 0.89%, 0.89%, 0.89%, 0.89%, 0.89%	ROW maintenance planned for 2024.	Tree out of ROW outages accounted for 31.8% of the total SAIDI and 36.2% of the total SAIFI.
35	Hazard	3307303	BULAN	LOTTSCREEK	Carriage Lane Bulan	Bulan, Dwarf	33.53	526	1/15/2022	520.67	537.94	2.28	3.221	SCHEDULED COMPANY, EQUIPMENT FAILURE, UNKNOWN (NON WEATHER), FACILITATION OF WORK, TREE OUT OF ROW, ANIMAL - NON BIRD, VINE, WEATHER - HIGH WINDS (EXCEEDING 60 MPH), OTHER, WEATHER - UNKNOWN	34.21%, 13.16%, 10.53%, 10.53%, 7.89%, 7.89%, 5.26%, 5.26%, 2.63%, 2.63%	No corrective actions planned.	Unknown outages accounted for 32.5% of the total SAIDI and 55.1% of the total SAIFI.
36	Ashland	3103103	OLIVEHILL	W.CARTERS ELEM	AEP Lane, Olive Hill	Olive Hill	39.04	288	11/23/2022	445.66	528.45	2.08	1.174	TREE OUT OF ROW, EQUIPMENT FAILURE, ANIMAL - NON BIRD, SCHEDULED COMPANY, WEATHER - LIGHTNING, UNKNOWN (NON WEATHER), WEATHER - HIGH WINDS (EXCEEDING 60 MPH), CORROSION	43.48%, 13.04%, 13.04%, 8.7%, 8.7%, 4.35%, 4.35%, 4.35%	Future tie line project planned for the W.Carter Elem and Lawton circuits.	Tree out of ROW outages accounted for 97.2% of the total SAIDI and 87.6% 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		
37	Hazard	3300601	BLUEGRASS	WALKERTOWN	Town Mountain Road	Walkertown, Wabaco, Upper Second Cr.	29.07	1191	5/8/2021	379.34	468.98	2.09	2.919	SCHEDULED COMPANY, EQUIPMENT FAILURE, TREE OUT OF ROW, UNKNOWN (NON WEATHER), ANIMAL - NON BIRD, WEATHER - UNKNOWN, FIRE - AEP, OR AFFECTING > 1 CUSTOMER, FACILITATION OF WORK, VINE, OTHER	33.93%, 16.07%, 16.07%, 10.71%, 7.14%, 3.57%, 3.57%, 3.57%, 3.57%, 1.79%	No corrective actions planned.	Tree out of ROW outages accounted for 58.6% of the total SAIDI and 23.5% of the total SAIFI. A fire related outage accounted for 24.9% of the total SAIDI and 35.6% of the total SAIFI.
38	Hazard	3301701	DAISY	LEATHERWOOD	0.5 miles past Hwy 699 and Hwy 7 Jct.	Ulvah, Little Leatherwood	87.63	984	9/4/2019	394.70	464.73	1.82	1.627	TREE OUT OF ROW, SCHEDULED COMPANY, UNKNOWN (NON WEATHER), EQUIPMENT FAILURE, ANIMAL - NON BIRD, TREE INSIDE ROW, ANIMAL - BIRD, WEATHER - UNKNOWN, FACILITATION OF WORK, WEATHER - LIGHTNING, VINE	38.46%, 13.19%, 10.99%, 10.99%, 7.69%, 6.59%, 4.4%, 2.2%, 2.2%, 2.2%, 1.1%	ROW maintenance planned for 2024.	Tree out of ROW outages accounted for 62.5% of the total SAIDI and 38.1% of the total SAIFI.
39	Pikeville	3414901	FISHTRAP	DISTRIBUTION	Left Fork Island Creek, Phyllis	Phyllis	4.49	3	7/28/2022	851.87	454.00	1.40	3.000	TREE OUT OF ROW, FIRE - AEP, OR AFFECTING > 1 CUSTOMER, SCHEDULED COMPANY	33.33%, 33.33%, 33.33%	No corrective actions planned.	Tree out of Row outages accounted for 51.1% of the total SAIDI and 33.3% of total SAIFI.
40	Hazard	3311401	REEDY STATION	DEANE	2.4 miles up Hwy 1469	Hwy 317, Hwy 7	43.22	393	11/19/2021	659.09	423.04	2.71	2.809	EQUIPMENT FAILURE, SCHEDULED COMPANY, TREE OUT OF ROW, UNKNOWN (NON WEATHER), SCHEDULED OUTSIDE REQUEST > 1 CUSTOMER, WEATHER - UNKNOWN, WEATHER - HIGH WINDS (EXCEEDING 60 MPH), ANIMAL - NON BIRD	25.93%, 22.22%, 18.52%, 14.81%, 7.41%, 3.7%, 3.7%, 3.7%	No corrective actions planned.	Tree out of ROW outages accounted for 70.9% of the total SAIDI and 69.2% of the total SAIFI.
41	Ashland	3110902	WURLAND	GREENUP	Wurtland Ave, Wurtland, KY	Greenup, Wurtland	52.15	1277	8/26/2023	291.78	417.01	2.09	2.963	UNKNOWN (NON WEATHER), TREE OUT OF ROW, EQUIPMENT FAILURE, SCHEDULED COMPANY, TREE INSIDE ROW, ANIMAL - BIRD, VEHICLE ACCIDENT (NON AEP), ANIMAL - NON BIRD, WEATHER - UNKNOWN, FACILITATION OF WORK, OTHER, WEATHER - LIGHTNING, FOREIGN OBJECT (NON ANIMAL), OTHER UTILITY	20.34%, 20.34%, 18.64%, 13.56%, 5.08%, 3.39%, 3.39%, 3.39%, 3.39%, 1.69%, 1.69%, 1.69%, 1.69%, 1.69%, 1.69%	No corrective actions planned.	Unknown (NON Weather) accounted for 41.0% of the total SAIDI and 38.0% of the total SAIFI. Weather - unknown outages accounted for 40.2% of the total SAIDI and 46.1% of the total SAIFI.
42	Pikeville	3401702	HENRYCLAY	REGINA	6949 Marrowbone Creek Road, Marrowbone, KY 41522	Pikeville, Elkhorn City, Shelbyana	50.81	1109	1/13/2023	660.05	408.67	4.21	4.803	SCHEDULED COMPANY, EQUIPMENT FAILURE, FACILITATION OF WORK, TREE OUT OF ROW, UNKNOWN (NON WEATHER), VINE, WEATHER - UNKNOWN, TREE INSIDE ROW, VEHICLE ACCIDENT (NON AEP), TREE REMOVAL (NON AEP), CORROSION	56.47%, 11.18%, 9.41%, 8.24%, 6.47%, 2.94%, 2.94%, 0.59%, 0.59%, 0.59%, 0.59%	No corrective actions planned.	Scheduled outages accounted for 20.6% of the total SAIDI and 21.0% of the total SAIFI. Equipment failure outages accounted for 29.2% of the total SAIDI and 21.0 % of the total SAIFI. Tree out of ROW outages accounted for 31.0% of the total SAIDI and 15.8% of the total SAIFI.
43	Hazard	3310503	HADDIX	TROUBLESOME CRK	Jct of Hwy 397 and HWY 1110	Marie Roberts Rd, Flintville, Clayhole	91.09	825	3/31/2022	716.65	402.69	2.83	2.925	TREE OUT OF ROW, SCHEDULED COMPANY, EQUIPMENT FAILURE, UNKNOWN (NON WEATHER), FACILITATION OF WORK, VINE, FIRE - AEP, OR AFFECTING > 1 CUSTOMER, WEATHER - UNKNOWN, VANDALISM, OTHER, TREE INSIDE ROW, SCHEDULED OUTSIDE REQUEST > 1 CUSTOMER, ANIMAL - NON BIRD	35.71%, 17.14%, 14.29%, 10%, 5.71%, 4.29%, 2.86%, 2.86%, 1.43%, 1.43%, 1.43%, 1.43%, 1.43%	No corrective actions planned.	Tree out of ROW outages accounted for 55.1% of the total SAIDI and 35.8% 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		
44	Pikeville	3200201	BARRENSHE	FREEBURN	Near State Highway 194 E, Freeburn	Freeburn, Phelps	11.16	290	4/26/2022	383.51	392.20	1.57	2.779	UNKNOWN (NON WEATHER), EQUIPMENT FAILURE, TREE OUT OF ROW, SCHEDULED COMPANY	42.86%, 28.57%, 14.29%, 14.29%	No corrective actions planned.	Equipment failure outages accounted for 73.5% of the total SAIDI and 76.1% of the total SAIFI.
45	Hazard	3420002	SOFT SHELL	LEBURN	Raymond Smith Dr, Leburn	Softshell, Leburn, Garner, Hindman	50.35	868	10/29/2020	349.28	384.06	1.51	1.801	SCHEDULED COMPANY, TREE OUT OF ROW, EQUIPMENT FAILURE, FACILITATION OF WORK, TREE INSIDE ROW, WEATHER - UNKNOWN, ANIMAL - NON BIRD, WEATHER - HIGH WINDS (EXCEEDING 60 MPH), UNKNOWN (NON WEATHER)	25%, 23.33%, 21.67%, 16.67%, 3.33%, 3.33%, 3.33%, 1.67%, 1.67%	No corrective actions planned.	Tree out of ROW outages accounted for 80.5% of the total SAIDI and 69.7% of the total SAIFI.
46	Pikeville	3401103	FALCON	BURNINGFK	Falcon Rd, Salyersville	Burning Fork, Mash Fork	74.09	1401	5/29/2020	341.08	383.76	2.14	2.694	SCHEDULED COMPANY, EQUIPMENT FAILURE, TREE OUT OF ROW, ANIMAL - NON BIRD, UNKNOWN (NON WEATHER), VINE, FACILITATION OF WORK, VEHICLE ACCIDENT (NON AEP), OTHER, FIRE - AEP, OR AFFECTING > 1 CUSTOMER, ANIMAL - BIRD, WEATHER - UNKNOWN, TREE REMOVAL (NON AEP), SCHEDULED OUTSIDE REQUEST > 1 CUSTOMER, WEATHER - LIGHTNING	35.24%, 16.19%, 11.43%, 8.57%, 7.62%, 6.67%, 3.81%, 2.86%, 1.9%, 0.95%, 0.95%, 0.95%, 0.95%, 0.95%, 0.95%	ROW maintenance planned for 2024.	Tree out of ROW outages accounted for 49.0% of the total SAIDI. Equipment failure accounted for 35.7% of the total SAIFI.
47	Ashland	3000105	ASHLAND	25-1	Greenup Ave., Ashland	Ashland	1.84	120	3/21/2020	98.45	383.25	0.43	1.192	SCHEDULED COMPANY, FACILITATION OF WORK, EQUIPMENT FAILURE	76.47%, 17.65%, 5.88%	No corrective actions planned.	Scheduled company outages accounted for 96.3% of the total SAIDI and 85.3% of the total SAIFI.
48	Pikeville	3407101	TOPMOST	DEMA	Along SR 7, near Roaring Branch Road, Topmost	HWY 7 Dema	35.64	507	1/8/2022	345.97	382.32	1.91	2.183	EQUIPMENT FAILURE, TREE OUT OF ROW, SCHEDULED COMPANY, UNKNOWN (NON WEATHER), FACILITATION OF WORK, ANIMAL - NON BIRD, VINE, VEHICLE ACCIDENT (NON AEP), TREE REMOVAL (NON AEP)	26.67%, 23.33%, 20%, 6.67%, 6.67%, 6.67%, 3.33%, 3.33%, 3.33%	No corrective actions planned.	Tree out of ROW accounted for 75.4% of the total SAIDI and 55.4% of the total SAIFI.
49	Ashland	3001003	HITCHINS	GRAYSON	Off SR 773 along Clay Camp	SR 1, Beech Grove, Canoe Run, Stinson Rd, US 60	47.96	982	7/2/2021	226.93	370.84	1.36	2.339	UNKNOWN (NON WEATHER), TREE OUT OF ROW, SCHEDULED COMPANY, EQUIPMENT FAILURE, FACILITATION OF WORK, ANIMAL - NON BIRD, ANIMAL - BIRD, VINE, VANDALISM, VEHICLE ACCIDENT (NON AEP)	30.3%, 18.18%, 15.15%, 12.12%, 6.06%, 6.06%, 3.03%, 3.03%, 3.03%, 3.03%	No corrective actions planned.	Facilitaion of work accounted for 46.2% of the total SAIDI and 40.9% of the total SAIFI.
50	Ashland	3000802	HAYWARD	LAWTON	Near 6876 SR 174	Olive Hill, Morehead	38.14	353	6/17/2023	314.70	368.84	1.60	1.788	EQUIPMENT FAILURE, TREE OUT OF ROW, UNKNOWN (NON WEATHER), SCHEDULED COMPANY, WEATHER - UNKNOWN, FACILITATION OF WORK, WEATHER - HIGH WINDS (EXCEEDING 60 MPH), ANIMAL - NON BIRD	23.08%, 19.23%, 19.23%, 11.54%, 7.69%, 7.69%, 7.69%, 3.85%	Future tie line project planned for the W.Carter Elem and Lawton circuits.	Tree out of ROW outages accounted for 70.7% of the total SAIDI and 64.2% of the total SAIFI.

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51	Pikeville	3200203	BARRENSHE	SLATE BRANCH	Near State Highway 194 E, Freeburn	Freeburn	4.41	2	3/28/2022	304.88	358.00	0.88	1.000	FACILITATION OF WORK	100.00%	No corrective actions planned.	Facilitation of Work outage accounted for 100% of the total SAIFI and 100% of total SAIDI.
52	Pikeville	2974101	BIG ROCK STATION	CONAWAY	Big Rock, Va	Big Rock	0.67	4	3/27/2020	448.72	354.25	3.21	4.250	SCHEDULED COMPANY, OTHER	75%, 25%	No corrective actions planned.	Scheduled company outages accounted for 44.6% of the total SAIDI and 70.6% of total SAIFI.
53	Pikeville	3401703	HENRYCLAY	ASHCAMP	Marrowbone, Creek, Elkhorn City	Ashcamp, Hellier	42.28	719	12/17/2021	288.76	345.50	2.14	4.691	SCHEDULED COMPANY, EQUIPMENT FAILURE, UNKNOWN (NON WEATHER), TREE OUT OF ROW, WEATHER - UNKNOWN, TREE INSIDE ROW, FACILITATION OF WORK, VINE, SCHEDULED OUTSIDE REQUEST > 1 CUSTOMER, ANIMAL - NON BIRD, VANDALISM	38.64%, 22.73%, 11.36%, 9.09%, 4.55%, 2.27%, 2.27%, 2.27%, 2.27%, 2.27%, 2.27%	No corrective actions planned.	Scheduled Company outages accounted for 51.0% of the total SAIDI and 52.6% of the total SAIFI.
54	Hazard	3309301	VICCO	REDFOX	440 Rowdy Hollow	Smithboro Rd, Big Smith Br., Defeated Creek	48.64	519	7/11/2020	415.05	344.69	2.36	2.590	SCHEDULED COMPANY, TREE OUT OF ROW, UNKNOWN (NON WEATHER), ANIMAL - BIRD, FACILITATION OF WORK, EQUIPMENT FAILURE	46.34%, 29.27%, 9.76%, 7.32%, 4.88%, 2.44%	No corrective actions planned.	Two animal - bird outages accounted for 48.6% of the total SAIDI and 76.0% of the total SAIFI.
55	Pikeville	3409303	KENWOOD	HAGERHILL	980 Industrial Park, Hager Hill, KY 41222	West Van Lear, Hager Hill, Lick Fork	50.18	947	10/14/2021	279.23	344.09	1.82	1.942	SCHEDULED COMPANY, TREE OUT OF ROW, EQUIPMENT FAILURE, FACILITATION OF WORK, VEHICLE ACCIDENT (NON AEP), UNKNOWN (NON WEATHER), ANIMAL - NON BIRD, ANIMAL - BIRD, TREE REMOVAL (NON AEP), SCHEDULED OUTSIDE REQUEST > 1 CUSTOMER	47.83%, 18.84%, 13.04%, 4.35%, 4.35%, 4.35%, 2.9%, 1.45%, 1.45%, 1.45%	No corrective actions planned.	Tree out of ROW outages accounted for 74.2% of the total SAIDI and 55.1% of the total SAIFI.
56	Ashland	3001002	HITCHINS	WILLARD	Off SR 773 along Clay Camp	SR 773, SR 1, Cherokee, Bells Trace	153.03	1187	8/26/2023	308.71	339.04	1.58	1.479	SCHEDULED COMPANY, UNKNOWN (NON WEATHER), TREE OUT OF ROW, EQUIPMENT FAILURE, FACILITATION OF WORK, VEHICLE ACCIDENT (NON AEP), CORROSION, ANIMAL - NON BIRD, WEATHER - UNKNOWN, OTHER, WEATHER - LIGHTNING	25.61%, 24.39%, 19.51%, 10.98%, 8.54%, 2.44%, 2.44%, 2.44%, 1.22%, 1.22%, 1.22%	No Corrective actions planned.	Tree out of ROW outages accounted for 56.8% of the total SAIDI and 33.9% of the total SAIFI.
57	Hazard	3309903	SLEMP	BEECH FORK	SR 699, Slemp	Beech Fork Coal Mine	1.72	3	1/28/2021	514.80	332.00	1.80	2.000	EQUIPMENT FAILURE, UNKNOWN (NON WEATHER)	50%, 50%	No corrective actions planned.	One equipment failure outage accounted for 71.1% of the total SAIDI and 50.0% of the total SAIFI. One unknown (non weather) outage accounted for 28.9% of the total SAIDI and 50.0% of the total SAIFI.

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	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		
58	Pikeville	3410501	S.PIKEVILLE	PIKEVILLE	South Mayo Trail, Pikeville	Southern Pikeville	13.86	690	2/25/2022	336.48	307.93	1.58	2.123	VINE, EQUIPMENT FAILURE, UNKNOWN (NON WEATHER), SCHEDULED COMPANY	31.25%, 25%, 25%, 18.75%	No corrective actions planned.	Equipment failure outages accounted for 84.3% of the total SAIDI and 50.7% of the total SAIFI.
59	Pikeville	3420102	MAYO TRAIL	EUCLID	Near 61 Ponderosa Dr, Paintsville	East Paintsville	19.83	1431	10/13/2022	157.62	284.09	1.00	2.314	SCHEDULED COMPANY, UNKNOWN (NON WEATHER), ANIMAL - NON BIRD, EQUIPMENT FAILURE, TREE OUT OF ROW, FACILITATION OF WORK, VEHICLE ACCIDENT (NON AEP), VINE, WEATHER - LIGHTNING, WEATHER - UNKNOWN, WEATHER - HIGH WINDS (EXCEEDING 60 MPH)	37.93%, 20.69%, 8.62%, 6.9%, 6.9%, 5.17%, 3.45%, 3.45%, 3.45%, 1.72%, 1.72%	No corrective actions planned.	Tree out of ROW outages accounted for 47.5% of the total SAIDI. Vehicle accident related outages accounted for 48.5% of the total SAIFI.
60	Ashland	3000302	BELLEFONT	FLATWOODS	Private 11 Dr., Bellefonte	Flatwoods, Ashland	3.47	89	2/5/2021	139.85	283.19	1.12	1.124	EQUIPMENT FAILURE, TREE OUT OF ROW, VEHICLE ACCIDENT (NON AEP)	50%, 25%, 25%	No corrective actions planned.	Tree out of ROW outages accounted for 58.1% of the total SAIDI and 45.0% of the total SAIFI. Equipment failure outages accounted for 41.9% of the total SAIDI and 54.0% of the total SAIFI.
61	Ashland	3008002	47TH STREET	39TH STREET	Along US 23 at 47th St - South Ashland	Ashland	13.22	1120	4/2/2022	242.94	278.83	1.80	2.858	FACILITATION OF WORK, EQUIPMENT FAILURE, UNKNOWN (NON WEATHER), TREE OUT OF ROW, TREE INSIDE ROW, WEATHER - UNKNOWN, UG CONST. /DIG-INS (NON AEP), SCHEDULED COMPANY, VINE, TREE REMOVAL (NON AEP), ANIMAL - NON BIRD	23.33%, 20%, 13.33%, 13.33%, 6.67%, 6.67%, 3.33%, 3.33%, 3.33%, 3.33%, 3.33%	No corrective actions planned.	Equipment failure outages accounted for 43.5% of the total SAIDI and 38.9% of the total SAIFI. Unknown (non weather) outages accounted for 26.3% of the total SAIDI and 40.6% of the total SAIFI.
62	Pikeville	3400702	DRAFFIN	YELLOWHIL	Road Creek Road, Elkhorn Ckty	Regina, Wolfpit	11.78	260	8/25/2023	221.89	275.10	1.54	3.815	SCHEDULED COMPANY, FACILITATION OF WORK, ERROR - FIELD, VINE, TREE OUT OF ROW, UNKNOWN (NON WEATHER), EQUIPMENT FAILURE, FIRE - AEP, OR AFFECTING > 1 CUSTOMER, TREE INSIDE ROW	34.62%, 26.92%, 7.69%, 7.69%, 7.69%, 3.85%, 3.85%, 3.85%, 3.85%, 3.85%	No corrective actions planned.	Tree out of ROW outages accounted for 60.8% of the total SAIDI and 11.6% of total SAIFI. Three outages alone (of different causes) accounted for 78.3% of the total SAIFI.
63	Pikeville	2150501	BORDERLAND STA	NOLAN	On Hwy 52 just north of Borderland, WV.	Hwy 292 , North Big Creek Rd, Bent Br.	18.7	192	5/28/2018	489.86	271.16	1.64	3.073	TREE OUT OF ROW, SCHEDULED COMPANY, EQUIPMENT FAILURE, TREE INSIDE ROW, UNKNOWN (NON WEATHER), FACILITATION OF WORK, VINE	28.57%, 21.43%, 14.29%, 14.29%, 7.14%, 7.14%, 7.14%	ROW maintenance planned for 2024.	Tree out of ROW outages accounted for 55.7% of the total SAIDI. Facilitation of work outages accounted for 40.7% of the total SAIFI.
64	Pikeville	3414302	SIDNEY	COBURN MTN	Coburn MTN	Canada	41.35	848	2/20/2020	429.33	267.60	2.11	2.450	TREE OUT OF ROW, EQUIPMENT FAILURE, SCHEDULED COMPANY, WEATHER - UNKNOWN, UNKNOWN (NON WEATHER), TREE INSIDE ROW, FIRE - AEP, OR AFFECTING > 1 CUSTOMER, VINE, TREE REMOVAL (NON AEP), CORROSION	36.36%, 18.18%, 13.64%, 13.64%, 6.82%, 2.27%, 2.27%, 2.27%, 2.27%, 2.27%	No corrective actions planned.	Tree out of ROW outages accounted for 68.4% of the total SAIDI and 27.9% of total SAIFI. Equipment Failure outages accounted for 56.4% of the total SAIFI.

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	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		
65	Hazard	3314401	MAYKING	ERMINE	HWY 119, Mayking	Ermine, Pert Creek	28.77	593	10/30/2020	254.24	263.58	1.35	0.649	TREE OUT OF ROW, SCHEDULED COMPANY, UNKNOWN (NON WEATHER), EQUIPMENT FAILURE, FIRE - AEP, OR AFFECTING > 1 CUSTOMER, VEHICLE ACCIDENT (NON AEP), WEATHER - HIGH WINDS (EXCEEDING 60 MPH), WEATHER - LIGHTNING	28%, 24%, 24%, 8%, 4%, 4%, 4%, 4%	No corrective actions planned.	Tree out of ROW outages accounted for 96.4% of the total SAIDI and 81.6% of the total SAIFI.
66	Ashland	3002001	S.SHORE	SILOAM	Sm Roberson Drive, South Shore	South Shore	34.85	965	6/28/2019	227.44	251.59	1.40	0.989	EQUIPMENT FAILURE, UNKNOWN (NON WEATHER), SCHEDULED COMPANY, TREE OUT OF ROW, ANIMAL - BIRD, VINE, VEHICLE ACCIDENT (NON AEP), WEATHER - HIGH WINDS (EXCEEDING 60 MPH), WEATHER - LIGHTNING, CORROSION, FOREIGN OBJECT (NON ANIMAL), WEATHER - UNKNOWN, TREE INSIDE ROW	26.67%, 26.67%, 15%, 13.33%, 3.33%, 3.33%, 1.67%, 1.67%, 1.67%, 1.67%, 1.67%, 1.67%, 1.67%, 1.67%	Plans to transfer load to Tygart Station. ROW maintenance planned for 2024.	Tree out of ROW outages accounted for 32.7% of the total SAIDI and 18.0% of the total SAIFI. Vehicle accident (non AEP) outages accounted for 29.0% of the total SAIDI and 22.5% of the total SAIFI.
67	Pikeville	3409002	W.PAINTSVILLE	STAFFORDSVILLE	435 William Henry Dixon Blvd, Paintsville	Staffordsville, Highway 23	52.04	1167	2/10/2021	242.80	238.95	1.28	1.467	SCHEDULED COMPANY, UNKNOWN (NON WEATHER), TREE OUT OF ROW, ANIMAL - NON BIRD, EQUIPMENT FAILURE, FACILITATION OF WORK, VINE, VEHICLE ACCIDENT (NON AEP), TREE REMOVAL (NON AEP), SCHEDULED OUTSIDE REQUEST > 1 CUSTOMER, WEATHER - LIGHTNING, CORROSION	22.45%, 18.37%, 16.33%, 12.24%, 8.16%, 6.12%, 6.12%, 2.04%, 2.04%, 2.04%, 2.04%, 2.04%	No corrective actions planned.	Vine related outages accounted for 34.0% of the total SAIDI and 29.1% of the total SAIFI.
68	Ashland	3001204	HOWARDCOL	SUMMIT	29th and Floyd St., Ashland	Ashland	25.92	724	1/29/2022	208.83	238.24	1.35	1.663	TREE OUT OF ROW, SCHEDULED COMPANY, FACILITATION OF WORK, EQUIPMENT FAILURE, WEATHER - UNKNOWN, TREE INSIDE ROW, UNKNOWN (NON WEATHER), VINE	35%, 20%, 20%, 5%, 5%, 5%, 5%, 5%	No corrective actions planned.	Equipment failure was 55.2% of the total SAIDI and 60.4% of the total SAIFI.
69	Pikeville	3420103	MAYO TRAIL	DAVIS BRANCH	Just off Euclid Ave along Ponderosa Drive	Rose St., Riverview Dr.	32.95	1012	7/14/2022	322.32	227.95	2.06	3.245	TREE OUT OF ROW, SCHEDULED COMPANY, EQUIPMENT FAILURE, ANIMAL - NON BIRD, UNKNOWN (NON WEATHER), FACILITATION OF WORK, TREE INSIDE ROW, ANIMAL - BIRD, WEATHER - HIGH WINDS (EXCEEDING 60 MPH), FOREIGN OBJECT (NON ANIMAL)	27.27%, 20%, 18.18%, 10.91%, 7.27%, 5.45%, 5.45%, 1.82%, 1.82%, 1.82%	No corrective actions planned.	Tree out of ROW accounted for 50.8% of the total SAIDI. Facilitation of work accounted for 65.3% of the total SAIFI.
70	Ashland	3001202	HOWARDCOL	29 STREET	29th and Floyd St., Ashland	Ashland	13.65	1263	1/8/2022	214.61	222.42	1.57	1.781	UNKNOWN (NON WEATHER), SCHEDULED COMPANY, EQUIPMENT FAILURE, TREE OUT OF ROW, FACILITATION OF WORK, VEHICLE ACCIDENT (NON AEP), ANIMAL - BIRD, ANIMAL - NON BIRD, WEATHER - UNKNOWN, VINE, OTHER UTILITY	20%, 17.5%, 17.5%, 12.5%, 10%, 5%, 5%, 5%, 2.5%, 2.5%, 2.5%	No corrective actions planned.	Equipment failure outages accounted for 74.6% of the total SAIDI and 63.3% of the total SAIFI.
71	Pikeville	3402202	MCKINNEY	GIBSON	9 CR-1233, Drift, KY 41619	Drift, McDowell	41.85	942	11/27/2019	321.43	216.51	1.60	1.916	SCHEDULED COMPANY, EQUIPMENT FAILURE, TREE OUT OF ROW, UNKNOWN (NON WEATHER), VINE, ANIMAL - NON BIRD, WEATHER - UNKNOWN, OTHER, VANDALISM, TREE INSIDE ROW	30%, 18%, 14%, 12%, 12%, 6%, 2%, 2%, 2%, 2%	ROW maintenance planned for 2024.	Equipment failure outages accounted for 75.1% of the total SAIDI and 86.1% 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		
72	Hazard	3311102	STINNETT	BEECH FORK	Greasy Creek Road, Stinnett	Mozelle	9.56	1	10/28/2021	662.53	216.00	1.87	2.000	TREE OUT OF ROW, UNKNOWN (NON WEATHER)	50%, 50%	No corrective actions planned.	One tree out of ROW outage accounted for 50.9% of the total SAIDI and 50.0% of the total SAIFI. One unknown (non weather) outage accouted for 49.1% of the total SAIDI and 50.0% of the total SAIFI.
73	Ashland	3008701	CANNONSBURG	CANNONSBURG	Ponderosa Dr., Catlettsburg	Cannonsburg	34.84	455	12/31/2019	180.80	204.90	1.29	1.479	UNKNOWN (NON WEATHER), TREE OUT OF ROW, EQUIPMENT FAILURE, FACILITATION OF WORK, TREE INSIDE ROW, WEATHER - HIGH WINDS (EXCEEDING 60 MPH), ANIMAL - BIRD, ANIMAL - NON BIRD, TREE REMOVAL (NON AEP), WEATHER - LIGHTNING, WEATHER - UNKNOWN	32.35%, 23.53%, 11.76%, 5.88%, 5.88%, 5.88%, 2.94%, 2.94%, 2.94%, 2.94%	Future project planned to upgrade DA Devices. ROW maintenance planned for 2024.	Tree out of Row accounted for 43.3% of the total SAIDI. Unknown (non weather) outages accounted for 74.3% of the total SAIFI.
74	Ashland	3002107	10TH STREET	WEST CENTRAL	Greenup Ave and 10th St, Ashland	Ashland	16.94	1295	3/30/2019	99.39	193.50	1.04	1.480	EQUIPMENT FAILURE, TREE OUT OF ROW, SCHEDULED COMPANY, UNKNOWN (NON WEATHER), WEATHER - UNKNOWN, VINE, ANIMAL - NON BIRD, FACILITATION OF WORK	21.43%, 17.86%, 14.29%, 14.29%, 10.71%, 10.71%, 7.14%, 3.57%	ROW maintenance planned for 2024.	Tree out of ROW outages accounted for 74.2% of the total SAIDI and 73.9% of the total SAIFI.
75	Ashland	3001402	LOUISA	HIGHBOTTOM	Town Hill Rd off Hwy 32, Louisa	Louisa	13.33	630	1/11/2020	132.23	189.05	1.15	2.176	TREE OUT OF ROW, UNKNOWN (NON WEATHER), EQUIPMENT FAILURE, SCHEDULED COMPANY	38.1%, 38.1%, 19.05%, 4.76%	ROW maintenance planned for 2024.	Tree out of Row outages accounted for 84.2% of the total SAIDI and 49.6% of the total SAIFI.
76	Pikeville	3120102	STANVILLE	TRAM	Williams Dr, Stanville	Tram, lvel	35.51	817	5/15/2021	202.56	188.50	0.75	1.129	SCHEDULED COMPANY, UNKNOWN (NON WEATHER), TREE OUT OF ROW, EQUIPMENT FAILURE, WEATHER - UNKNOWN, ANIMAL - NON BIRD, TREE INSIDE ROW, FACILITATION OF WORK, CORROSION, OTHER UTILITY	29.73%, 27.03%, 13.51%, 8.11%, 5.41%, 5.41%, 2.7%, 2.7%, 2.7%, 2.7%	Future project to upgrade tie line between Stanville-Tram and Allen-Distribution circuits.	Scheduled company outages accounted for 70.4% of the total SAIDI and 67.1% of the total SAIFI.
77	Ashland	3000901	HIGHLAND	RUSSELL	Greenup Avenue, Raceland	Wurtland	26.73	1339	3/27/2020	189.77	182.81	0.99	1.404	EQUIPMENT FAILURE, UNKNOWN (NON WEATHER), SCHEDULED COMPANY, ANIMAL - NON BIRD, WEATHER - UNKNOWN, FACILITATION OF WORK, WEATHER - LIGHTNING, VINE, VEHICLE ACCIDENT (NON AEP), TREE OUT OF ROW	26.67%, 26.67%, 10%, 6.67%, 6.67%, 6.67%, 6.67%, 3.33%, 3.33%, 3.33%	No corrective actions planned.	Weather - unknown outages accounted for 68.2% of the total SAIDI and 72.6% of the total SAIFI.
78	Ashland	3110901	WURLAND	WURLAND	Wurtland Ave, Wurtland	Wurtland	2.12	23	8/26/2023	73.31	180.09	0.93	1.130	EQUIPMENT FAILURE, WEATHER - UNKNOWN, UNKNOWN (NON WEATHER), ANIMAL - BIRD	25%, 25%, 25%, 25%	No corrective actions planned.	Weather - unknown outages accounted for 83.9% of the total SAIDI and 84.6% of the total SAIFI.
79	Ashland	3007903	BUSSEYVILLE	LOUISA	Hwy 32, US23, Five Forks Rd	Louisa	43.88	598	12/30/2022	202.02	177.99	1.33	1.589	TREE OUT OF ROW, UNKNOWN (NON WEATHER), FACILITATION OF WORK, SCHEDULED COMPANY, EQUIPMENT FAILURE, WEATHER - UNKNOWN, WEATHER - LIGHTNING, ANIMAL - NON BIRD	23.08%, 19.23%, 19.23%, 15.38%, 7.69%, 7.69%, 3.85%, 3.85%	No corrective actions planned.	Tree out of ROW outages accounted for 81.6% of the total SAIDI. Equipment failure outage accounted for 63.3% 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		
80	Ashland	3001201	HOWARDCOL	13 STREET	29th and Floyd St., Ashland	Ashland	15.68	1438	4/11/2020	154.55	175.66	1.33	1.355	UNKNOWN (NON WEATHER), EQUIPMENT FAILURE, SCHEDULED COMPANY, ANIMAL - NON BIRD, TREE OUT OF ROW, VINE, WEATHER - UNKNOWN, VEHICLE ACCIDENT (NON AEP)	30%, 17.5%, 12.5%, 12.5%, 10%, 10%, 5%, 2.5%	No corrective actions planned.	Equipment failure outages accounted for 64.2% of the total SAIDI and 75.2% of the total SAIFI.
81	Ashland	3000104	ASHLAND	25-2-3	Ashland	Ashland	0.24	7	3/21/2020	80.08	173.00	0.88	1.000	SCHEDULED COMPANY	100.00%	No corrective actions planned.	Scheduled company outages accounted for 100% of the SAIDI and the total SAIFI.
82	Ashland	3008001	47TH STREET	49 TH STREET	Along US 23 at 47th St - South Ashland	Ashland	27.25	1518	5/31/2023	317.46	172.39	1.33	1.757	EQUIPMENT FAILURE, TREE OUT OF ROW, SCHEDULED COMPANY, WEATHER - UNKNOWN, UNKNOWN (NON WEATHER), FACILITATION OF WORK, VEHICLE ACCIDENT (NON AEP), TREE INSIDE ROW, WEATHER - HIGH WINDS (EXCEEDING 60 MPH), VANDALISM	30.61%, 18.37%, 14.29%, 12.24%, 8.16%, 6.12%, 4.08%, 2.04%, 2.04%, 2.04%	No corrective actions planned.	Tree out of ROW outages accounted for 42.0% of the total SAIDI and 23.8% of the total SAIFI. Weather - high wind outages accounted for 29.8% of the total SAIDI and 57.2% of the total SAIFI.
83	Ashland	3117601	PRINCESS	MEADE STATION	Off Paul Coffey Blvd, along Mackey Ln	Parts of Cannonsburg, US 60, Meade Springer Rd, Shopes Creek Rd	46.02	1473	2/22/2020	118.72	161.63	1.06	2.257	UNKNOWN (NON WEATHER), EQUIPMENT FAILURE, FACILITATION OF WORK, SCHEDULED COMPANY, VINE, TREE OUT OF ROW, VEHICLE ACCIDENT (NON AEP), WEATHER - UNKNOWN, TREE INSIDE ROW	26.83%, 24.39%, 14.63%, 9.76%, 7.32%, 7.32%, 4.88%, 2.44%, 2.44%	ROW maintenance planned for 2024.	Vehicle accident (non AEP) outages accounted for 49.3% of the total SAIDI and 44.3% of the total SAIFI. Equipment failure outages accounted for 19.5% of the total SAIFI and 45.6% of the total SAIFI.
84	Pikeville	3400101	ALLEN	DISTRIBUTION	Oklahoma Branch, Allen City	Allen, Dwale	27.51	766	12/29/2020	249.28	159.47	1.39	2.574	TREE OUT OF ROW, EQUIPMENT FAILURE, SCHEDULED COMPANY, UNKNOWN (NON WEATHER), TREE INSIDE ROW, FACILITATION OF WORK, ANIMAL - NON BIRD	27.27%, 27.27%, 18.18%, 18.18%, 3.03%, 3.03%, 3.03%	Future project to upgrade tie line between Stanville-Tram and Allen-Distribution circuits.	Scheduled company outages accounted for 32.4% of the total SAIFI and 80.2% of the total SAIDI.
85	Ashland	3004301	SILOAM	DISTRIBUTION	Dunaway Ln of Hwy 23	Johnson's Ln, Platt St	0.71	432	9/6/2019	180.08	156.07	0.95	1.236	SCHEDULED COMPANY, EQUIPMENT FAILURE, UNKNOWN (NON WEATHER), TREE INSIDE ROW, TREE OUT OF ROW, FIRE - AEP, OR AFFECTING > 1 CUSTOMER, VEHICLE ACCIDENT (NON AEP), FACILITATION OF WORK	37.5%, 20.83%, 16.67%, 8.33%, 4.17%, 4.17%, 4.17%, 4.17%	Station retired at end of 2023.	Equipment failure outages account for 59.2% of the total SAIDI and 81.8% of the total SAIFI.
86	Pikeville	3403201	BEAVERCREEK	LIGON	Junction of KY 979 and KY 122	Ligon, Big Mud Creek, Teaberry	70.97	1439	2/20/2020	260.78	153.59	1.65	1.733	EQUIPMENT FAILURE, SCHEDULED COMPANY, UNKNOWN (NON WEATHER), VINE, TREE OUT OF ROW, WEATHER - UNKNOWN, FIRE - AEP, OR AFFECTING > 1 CUSTOMER, TREE INSIDE ROW, FACILITATION OF WORK, VEHICLE ACCIDENT (NON AEP), ANIMAL - NON BIRD, VANDALISM	20.78%, 19.48%, 18.18%, 10.39%, 10.39%, 6.49%, 5.19%, 2.6%, 2.6%, 1.3%, 1.3%, 1.3%	No corrective actions planned.	Equipment failure outages accounted for 34.3% of the total SAIDI and 58.8% 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		
87	Ashland	3116101	GRAYSON	LANSDOWNE	Off Interstate 64 near Kentucky Christian University	Parts of City of Grayson, Carol Malone Blvd, E Midland Trail, SR 1 - Grayson	37.7	1185	9/25/2020	114.89	150.72	0.66	0.621	EQUIPMENT FAILURE, SCHEDULED COMPANY, TREE OUT OF ROW, ANIMAL - NON BIRD, UNKNOWN (NON WEATHER), VEHICLE ACCIDENT (NON AEP), WEATHER - UNKNOWN, FACILITATION OF WORK, OTHER, WEATHER - HIGH WINDS (EXCEEDING 60 MPH), WEATHER - LIGHTNING FIRE - AEP OR AFFECTING > 1	30.77%, 15.38%, 15.38%, 12.82%, 7.69%, 2.56%, 2.56%, 2.56%, 2.56%, 2.56%, 2.56%	No corrective actions planned.	Equipment failure and Weather accounted for 83.64% of SAIDI and 81.26% of SAIFI
88	Pikeville	3414301	SIDNEY	BIG CREEK	Big Creek Rd	John's Hollow, Varney	25.48	297	12/8/2022	302.20	143.66	1.46	1.717	UNKNOWN (NON WEATHER), WEATHER - UNKNOWN, TREE OUT OF ROW, WEATHER - HIGH WINDS (EXCEEDING 60 MPH), TREE INSIDE ROW, SCHEDULED COMPANY, ANIMAL - BIRD, VINE, EQUIPMENT FAILURE	31.58%, 15.79%, 15.79%, 10.53%, 5.26%, 5.26%, 5.26%, 5.26%	No corrective actions planned.	Equipment failure outages accounted for 14.7% of the total SAIDI and 58.6% of the total SAIFI.
89	Hazard	3309102	WHITESBURG	HOSPITAL	HWY 931, Whitesburg	Solomon Rd, KY Ave, Virginia Ave	7.31	202	7/9/2021	111.22	139.22	1.30	1.317	TREE OUT OF ROW, SCHEDULED COMPANY, EQUIPMENT FAILURE, UNKNOWN (NON WEATHER), ANIMAL BUS, ANIMAL - NON BIRD	27.27%, 27.27%, 18.18%, 9.09%, 9.09%, 9.09%	No corrective actions planned.	One animal related outage accounted for 69.3% of the total SAIDI and 74.8% of the total SAIFI.
90	Ashland	3001203	HOWARDCOL	FLOYD	Floyd St between Beech St and Skyline Dr	Ashland	7.18	853	5/30/2020	121.39	138.26	0.97	1.291	EQUIPMENT FAILURE, UNKNOWN (NON WEATHER), SCHEDULED COMPANY, TREE INSIDE ROW, FACILITATION OF WORK, ANIMAL - NON BIRD, WEATHER - UNKNOWN, FIRE - AEP, OR AFFECTING > 1 CUSTOMER, TREE OUT OF ROW	31.25%, 18.75%, 12.5%, 6.25%, 6.25%, 6.25%, 6.25%, 6.25%	No corrective actions planned.	Equipment failure outages accounted was 66.2% of the total SAIDI and 79.8% of the total SAIFI.
91	Ashland	3000903	HIGHLAND	WURLAND	Greenup Avenue, Raceland	Greenup	16.5	590	7/21/2020	139.42	137.30	0.64	1.034	EQUIPMENT FAILURE, UNKNOWN (NON WEATHER), ANIMAL - NON BIRD, SCHEDULED COMPANY, WEATHER - UNKNOWN	35.71%, 35.71%, 14.29%, 7.14%, 7.14%	No corrective actions planned.	Weather - unknown outages accounted for 96.1% of the total SAIDI and 95.9% of the total SAIFI.
92	Hazard	3302703	HAZARD	HAZARD	East Main Street, Hazard	Hazard, Woodland Park	10.43	655	9/30/2020	205.82	125.59	4.34	6.130	TREE OUT OF ROW, EQUIPMENT FAILURE, SCHEDULED COMPANY, WEATHER - HIGH WINDS (EXCEEDING 60 MPH), WEATHER - LIGHTNING, ANIMAL - NON BIRD, UNKNOWN (NON WEATHER), WEATHER - UNKNOWN, FACILITATION OF WORK	30%, 20%, 20%, 5%, 5%, 5%, 5%, 5%	Small wire replacement project scheduled for 2024.	Scheduled company outages accounted for 74.9% of the total SAIDI and 97.5% of the total SAIFI.
93	Pikeville	3402001	KEYSER	THOMPSON RD	North Mayo Trail	Pikeville	15.35	518	4/28/2018	144.33	109.91	0.74	0.766	TREE OUT OF ROW, SCHEDULED COMPANY, UNKNOWN (NON WEATHER), EQUIPMENT FAILURE, TREE INSIDE ROW, VINE, VEHICLE ACCIDENT (NON AEP), WEATHER - UNKNOWN	22.22%, 16.67%, 16.67%, 11.11%, 11.11%, 11.11%, 5.56%, 5.56%	ROW maintenance planned for 2024.	Tree out of ROW outages accounted for 42.1% of the total SAIDI and 35.0% of the total SAIFI.
94	Pikeville	3403301	PRESTONSBURG	CITY	Off University Dr along Margaret St, Prestonsburg		7.08	475	3/24/2021	45.89	102.53	0.30	0.531	SCHEDULED COMPANY, EQUIPMENT FAILURE, WEATHER - UNKNOWN, FACILITATION OF WORK, ANIMAL - NON BIRD, UNKNOWN (NON WEATHER), WEATHER - HIGH WINDS (EXCEEDING 60 MPH)	66.67%, 6.67%, 6.67%, 6.67%, 6.67%, 3.33%, 3.33%	No corrective actions planned.	Scheduled company outages accounted for 76.7% of the total SAIDI and 68.3% of the total SAIFI.
95	Ashland	3116701	BELHAVEN STATION	Diederich	Thompson Road, Flatwoods	Flatwoods, Russell	12.29	601	2/6/2021	72.31	101.23	0.77	1.795	EQUIPMENT FAILURE, UNKNOWN (NON WEATHER), TREE OUT OF ROW, TREE INSIDE ROW, SCHEDULED COMPANY, ANIMAL - BIRD, VINE, OVERLOAD, ANIMAL - NON BIRD	26.67%, 20%, 13.33%, 6.67%, 6.67%, 6.67%, 6.67%, 6.67%	No corrective actions planned.	Tree out of ROW outages accounted for 74.8% of the total SAIDI and 93.5% of the total SAIFI.

**Section 5 - Circuit Report**  
**Reporting Year : 2023**

	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		
96	Ashland	3002104	10TH STREET	3RD STREET	Greenup Ave, US 23, Ashland	Ashland	3.92	377	5/4/2019	53.84	93.05	0.42	1.138	TREE INSIDE ROW	100.00%	ROW maintenance planned for 2024.	Tree inside ROW accounted for 100% of total SAIDI and the total SAIFI.
97	Pikeville	3403801	SECONDFORK	DISTRIBUTION	Long Fork Road	Biggs, Fedcreek	7.41	15	6/30/2022	92.26	87.00	0.62	1.000	FIRE - AEP, OR AFFECTING > 1 CUSTOMER	100.00%	No corrective actions planned.	Fire - AEP, or Affecting > 1 Customer outage accounted for 100% of the total SAIDI and 100% of the total SAIFI.
98	Hazard	3309002	JEFF	JEFF	SR 7, Jeff	Jeff, Kenmont	5.69	119	9/4/2019	157.35	85.18	0.76	0.857	TREE OUT OF ROW, TREE INSIDE ROW, UNKNOWN (NON WEATHER), FACILITATION OF WORK, VINE, WEATHER - HIGH WINDS (EXCEEDING 60 MPH), ANIMAL - NON BIRD	14.29%, 14.29%, 14.29%, 14.29%, 14.29%, 14.29%, 14.29%	ROW maintenance planned for 2024.	Unknown (non weather) outages accounted for 68.9% of the total SAIDI and 70.6% of the total SAIFI.
99	Pikeville	3411901	FORDSBRANCH	SHELBY	Fords Branch St N, Fords Branch	Pikeville, Shelbiana	60.56	1696	5/31/2023	211.55	83.00	1.18	1.189	EQUIPMENT FAILURE, UNKNOWN (NON WEATHER), TREE OUT OF ROW, SCHEDULED COMPANY, VINE, ANIMAL - NON BIRD, CORROSION, VEHICLE ACCIDENT (NON AEP), FACILITATION OF WORK, OTHER, ANIMAL - BIRD, TREE INSIDE ROW, WEATHER - UNKNOWN	21.15%, 19.23%, 17.31%, 13.46%, 7.69%, 5.77%, 3.85%, 1.92%, 1.92%, 1.92%, 1.92%, 1.92%, 1.92%	No corrective actions planned.	Tree out of ROW outages accounted for 79.1% of the total SAIDI and 86.7% of the total SAIFI.
100	Pikeville	3400701	DRAFFIN	BELCHER	Road Creek Road, Elkhorn Ckty	Belcher, Dunleary	20.91	366	5/31/2023	209.47	82.80	2.25	3.270	SCHEDULED COMPANY, FACILITATION OF WORK, TREE OUT OF ROW, UNKNOWN (NON WEATHER), VINE, ANIMAL - NON BIRD, OTHER, ERROR - FIELD, WEATHER - UNKNOWN	25.93%, 22.22%, 11.11%, 11.11%, 11.11%, 7.41%, 3.7%, 3.7%, 3.7%	No corrective actions planned.	Scheduled company outages accounted for 32.6% of the total SAIFI. Error - field outages accounted for 31.5% of the total SAIFI. Facilitation of work outages accounted for 31.4% of the total SAIFI.
101	Hazard	3301402	COMBS	AIRPORTGARDEN	Combs Road, Combs	Combs, Airport Garden	11.57	479	5/15/2021	209.99	81.41	0.80	1.409	SCHEDULED COMPANY, UNKNOWN (NON WEATHER), TREE OUT OF ROW, EQUIPMENT FAILURE, FACILITATION OF WORK, TREE INSIDE ROW, FIRE - AEP, OR AFFECTING > 1 CUSTOMER, VEHICLE ACCIDENT (NON AEP), CORROSION, ANIMAL - NON BIRD	30%, 16.67%, 13.33%, 13.33%, 10%, 3.33%, 3.33%, 3.33%, 3.33%, 3.33%	No corrective actions planned.	One fire related outage accounted for 34.6% of the total SAIDI and 71.4% of the total SAIFI.
102	Ashland	3117603	PRINCESS	MIDLAND TRAIL	Off Paul Coffey Blvd, along Mackey Ln, Ashland	Cannonsburg	42.4	1068	2/22/2022	108.22	77.28	1.08	1.282	SCHEDULED COMPANY, UNKNOWN (NON WEATHER), EQUIPMENT FAILURE, WEATHER - UNKNOWN, FACILITATION OF WORK, TREE OUT OF ROW, VINE, OTHER, CORROSION, ANIMAL - NON BIRD	34%, 26%, 10%, 8%, 6%, 6%, 4%, 2%, 2%, 2%	ROW maintenance planned for 2024.	Tree out of ROW accounted for 74.8% of the total SAIDI and 78.5% of the total SAIFI.
103	Ashland	3116102	GRAYSON	DIXIEPARK	Off Interstate 64 near Kentucky Christian University	Interstate Dr, Robert & Mary Drive, S HWY 1	34.59	1412	12/15/2020	60.11	73.00	0.33	0.547	UNKNOWN (NON WEATHER), EQUIPMENT FAILURE, SCHEDULED COMPANY, TREE OUT OF ROW, ANIMAL - NON BIRD, VINE, WEATHER - LIGHTNING, ERROR - FIELD, CUST. EQUIPMENT > 1 CUSTOMER, FACILITATION OF WORK, VEHICLE ACCIDENT (NON AEP), WEATHER - UNKNOWN, TREE INSIDE ROW, ANIMAL - BIRD, SCHEDULED	32.69%, 19.23%, 11.54%, 9.62%, 5.77%, 3.85%, 1.92%, 1.92%, 1.92%, 1.92%, 1.92%, 1.92%, 1.92%	No corrective actions planned.	Tree out of ROW outages accounted for 58.8% of the total SAIDI and 71.9% of the total SAIFI.

**Section 5 - Circuit Report**  
**Reporting Year : 2023**

	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		
104	Ashland	3000103	ASHLAND	25-14STREET	Greenup Ave., Ashland	Ashland	1.37	127	3/21/2020	89.36	71.60	0.58	0.819	SCHEDULED COMPANY, FACILITATION OF WORK, ANIMAL - BIRD	33.33%, 33.33%, 33.33%	No corrective actions planned.	Facilitation of work outages accounted for 83.8% of the total SAIDI and 71.2% of the total SAIFI.
105	Pikeville	3401802	INDEX	HOSPITAL	Off Liberty Road, West Liberty	Liberty Road, US 460, Old Hwy 172, Park Hill Blvd, parts of West Liberty	20.57	701	3/3/2022	89.17	69.00	0.25	0.278	EQUIPMENT FAILURE, TREE OUT OF ROW, SCHEDULED COMPANY, WEATHER - LIGHTNING, ANIMAL - NON BIRD, TREE INSIDE ROW, FIRE - AEP, OR AFFECTING > 1 CUSTOMER, UNKNOWN (NON WEATHER), WEATHER - HIGH WINDS (EXCEEDING 60 MPH)	33.33%, 16.67%, 11.11%, 11.11%, 5.56%, 5.56%, 5.56%, 5.56%	No corrective actions planned.	Tree out of ROW accounted for 82.1% of the total SAIDI and 65.1% of the total SAIFI.
106	Ashland	3002103	10TH STREET	12TH STREET	Greenup Ave, US 23, Ashland	Ashland	12.05	1105	5/4/2019	42.98	64.12	0.43	1.185	UNKNOWN (NON WEATHER), EQUIPMENT FAILURE, TREE OUT OF ROW, WEATHER - HIGH WINDS (EXCEEDING 60 MPH), TREE REMOVAL (NON AEP), SCHEDULED OUTSIDE REQUEST > 1 CUSTOMER, ANIMAL - NON BIRD, VINE, VEHICLE ACCIDENT (NON AEP), SCHEDULED COMPANY	33.33%, 25%, 12.5%, 4.17%, 4.17%, 4.17%, 4.17%, 4.17%, 4.17%	ROW maintenance planned for 2024.	Vehicle accident outages accounted for 56.3% of the total SAIDI and 79.5% of the total SAIFI.
107	Hazard	3300602	BLUEGRASS	HAZARD	Town Mountain Road	Parts of Hazard, HWY 451	11.04	604	5/29/2020	224.42	56.07	1.18	1.303	UNKNOWN (NON WEATHER), EQUIPMENT FAILURE, TREE OUT OF ROW, TREE INSIDE ROW, SCHEDULED COMPANY, FIRE - AEP, OR AFFECTING > 1 CUSTOMER, FACILITATION OF WORK, WEATHER - LIGHTNING, ERROR - FIELD	25%, 20%, 15%, 10%, 10%, 5%, 5%, 5%, 5%	No corrective actions planned.	One fire related outage accounted for 50.1% of the total SAIDI and 77.0% of the total SAIFI.