

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



Single-phase right-of-way of the Hayward – Lawton circuit that serves approximately 60 customers in Elliott County.

The Hayward – Lawton was fully recleared in year 2017. This photo was taken January 13, 2020.

**2020 DISTRIBUTION VEGETATION MANAGEMENT**

**REPORT OF KENTUCKY POWER COMPANY**

**April 1, 2021**

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

### **Introduction and Background**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

### **2020 Distribution Vegetation Management Work by District**

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

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

<b>Table 2: 2020 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	\$5,245,095	\$5,827,184	\$7,530,826	\$18,603,105
Internal	\$124,159	\$147,577	\$184,353	\$456,089
<b>TOTALS</b>	<b>\$5,369,254</b>	<b>\$5,974,761</b>	<b>\$7,715,179</b>	<b>\$19,059,194</b>

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

<b>Table 3: 2020 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	471.7	538.0	588.0	1,597.7
Acres Sprayed	1,334.2	1,888.3	743.9	3,966.4

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

**Measures of Improvement in System Reliability**

**(SAIFI, CAIDI, SAIDI, and CMI)**

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



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

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

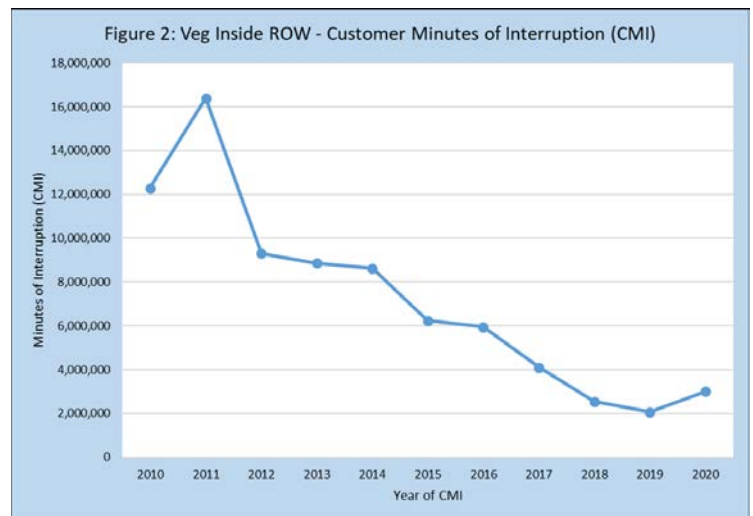
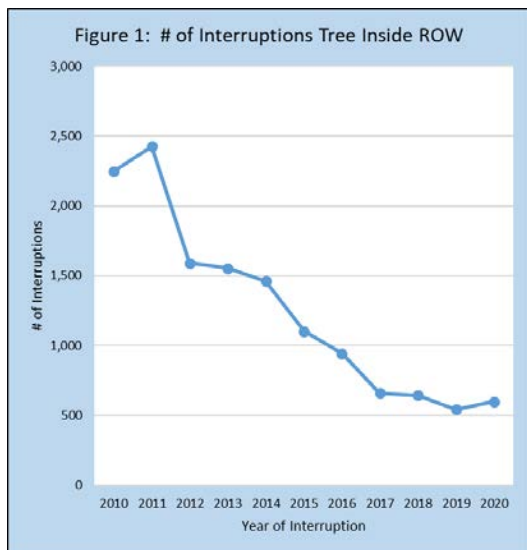
<b>Table 5: Eleven Year Reporting Indices for Tree Inside Rights-of-Way Outage Cause Codes</b>			
<b>Year</b>	<b>Tree Inside Rights-of-Way SAIFI</b>	<b>Tree Inside Rights-of-Way CAIDI</b>	<b>Tree Inside Rights-of-Way SAIDI</b>
2010	0.371	190.8	70.9
2011	0.419	227.4	95.3
2012	0.256	258.8	66.3
2013	0.281	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
Average (2010-2019)	0.216	209.1	46.1
2020	0.074	246.3	18.2

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

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

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

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



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

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

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

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

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

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

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

### **Balancing Account**

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



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

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

<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	\$27,774,546	<b>\$113,486</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	\$21,312,894	<b>\$28,948</b>
2020	\$21,472,777	\$21,347,446	<b>-\$125,331</b>
<b>Total</b>	<b>\$133,548,139</b>	<b>\$133,676,096</b>	<b>\$127,957</b>

### **Future Reports**

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

### **Attachment Description**

The following attachments are incorporated in this report:

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

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

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

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

## Attachment 1 – 2020 Annual Maintenance Cycle History

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

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

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

## Attachment 2 – 2021 Annual Maintenance Cycle Plan

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

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



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

**Attachment 3 – 2021 Annual Spray Plan**

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

**Attachment 4 –Expenditures by District**

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

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