

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION



Aerial Saw Work being performed in the Ashland District on the Busseyville Mattie Circuit.
This is a remote area adjacent to Yatesville Lake. Picture was taken on December 13, 2021.

2021 DISTRIBUTION VEGETATION MANAGEMENT
REPORT AND 2022 DISTRIBUTION VEGETATION MANAGEMENT WORK PLAN
OF KENTUCKY POWER COMPANY
April 1, 2022

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 and its January 13, 2021 Order in Case No. 2020-00174, Kentucky Power Company provides the following report regarding the operation of its 2021 Distribution Vegetation Management Program and its 2022 Distribution Vegetation Program Plan (see attachments 2, 3, and 4).

Introduction and Background

Kentucky Power began its current five-year distribution vegetation management cycle January 1, 2019. Vegetation growth in the Company's rights-of-way as of January 1, 2021 averages 5.12 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 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 \$21.564 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 \$242,450 as of December 31, 2021.

For 2021, planned operations and maintenance ("O&M") expenditures for targeted distribution vegetation management were \$21.733 million. For 2022 and 2023, planned O&M expenditures are \$21.577 million and \$21.586 million, respectively. The three-year average annual O&M expenditures for the period 2021-2023 is \$21.586 million. The amount of O&M embedded in base rates for vegetation management expenditures is \$21,586,046 as provided by the Commission's Order in Case No. 2020-00174.

2021 Distribution Vegetation Management Expenditures

And Rights-of-Way Work Performed

The Company's 2021 distribution vegetation management O&M expenditures were \$21,847,587 or 0.53% percent greater (\$114,493) than the 2021 budget of \$21,733,094.

The Company's 2021 distribution vegetation management capital expenditures were \$8,638,630. This includes capital investment made in connection with O&M expenditures and a reliability 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. Among Pikeville District circuits where targeted widening has been performed the total Customer Minutes of Interruption (CMI) due to Trees Outside Rights-of-Way was reduced by 8.9% from year 2021 into year 2022.

2021 Vegetation Management Mileage Cleared, Expenditures, and Cost / Unit

Kentucky Power's 2021 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 1¹ below provides a comparison of the 2021 work completed, actual expenditures, and Cost / Unit to the projections contained for each of its actions within its 2021 Vegetation Work Plan.

Table 1: 2021 Vegetation Work Plan						
Action Description	Targeted			Actual		
	Miles/Acres	Expenses	Cost/Unit	Miles/Acres	Expenses	Cost/Unit
Cycle Maint. (Miles)	1,657.2	\$18,836,363	\$11,366	1,665.6	\$19,146,306	\$11,495
Internal	-	\$642,631	\$388	-	\$517,525	\$311
Spray (Acres)	2,780.0	\$1,895,100	\$682	5,308.3	\$1,951,959	\$368
Reactive Maint.	-	\$359,000	\$217	-	\$231,797	\$139
TOTALS	-	\$21,733,094	\$12,652	-	\$21,847,587	\$12,313

Kentucky Power targeted 1,657.2 miles of annual cycle maintenance and completed 1,665.6 miles (100.5%) of the 2021 targeted miles. Associated O&M expenditures were

¹ Figures provided are on a circuit level. 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.

\$19,146,306 (1.65%) or \$309,943 above the 2021 budget target of \$18,836,363. The Company's cost per unit for field cycle maintenance was approximately \$129 (1.1%) more per mile than targeted. The slightly increased cost per unit is attributed to the volume of work located in remote areas where distance and time travelled were increased. These remote areas equate to 14.1% of the Company's completed annual cycle miles for year 2021.

The Company targeted 2,780.0 acres of spray in 2021 and completed 5,308.3 total acres in foliar, cut stubble, vine, and aerial applications. Foliar spray completed 3,576.67 (67.4%) of the total acres; cut stubble treatments totaled 1,466.27 (27.6%) acres; while vine and aerial applications completed 205.36 acres (3.9%) and 60.0 acres (1.1%) respectively. In year 2021 the Company expanded its utilization of a third-party provider to complete foliar spray work in all three Districts, providing increased efficiency and a lower cost-per-acre of application.

Kentucky Power's 2021 expenditures for reactive maintenance totaled (\$127,203) less than the targeted work plan. As a product of cycled maintenance clearing and cut stubble spray applications, reactive costs have fallen 20.6% below the previous 3 year average cost of reactive maintenance. This enables the Company to direct the funds toward other vegetation maintenance actions.

Internal Forestry Staff O&M expenditures totaled (\$125,106) less than the targeted work plan of \$642,631 for year 2021.

The Overall 2021 O&M cost per unit of \$12,313 was \$340 or (2.7%) percent below the targeted cost per unit of \$12,652.

O&M and Capital work associated with the 2021 Vegetation Management activities included trimming 57,676 trees, removing 209,837 trees, and clearing 4,021.1 acres of brush.

2021 Distribution Vegetation Management Work by District

Table 2 below details the Company's 2021 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.

Table 2: 2021 District Level O&M Expenditures by District				
Nature of Expense	Ashland	Hazard	Pikeville	Total
Annual Cycle Maintenance	\$6,009,819	\$6,208,375	\$8,067,808	\$20,286,001
Internal	\$180,147	\$181,651	\$155,726	\$517,525
TOTALS	\$6,189,966	\$6,390,026	\$8,223,534	\$20,803,526

Table 3 below provides the 2021 vegetation management work by District in terms of miles cleared and acres sprayed.

Table 3: 2021 District Level Cycle Work Performed				
Work Performed	Ashland	Hazard	Pikeville	Total
Annual Cycle Miles Cleared	476.1	574.3	615.2	1,665.6
Acres Sprayed	1,439.3	2,637.8	1,231.3	5,308.3

Attachment 1 to this report provides detail of the 2021 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, 2021. Excluded from the calculation of the indices in both Tables 4 and 5 are major events as defined by IEEE Standard 1366.

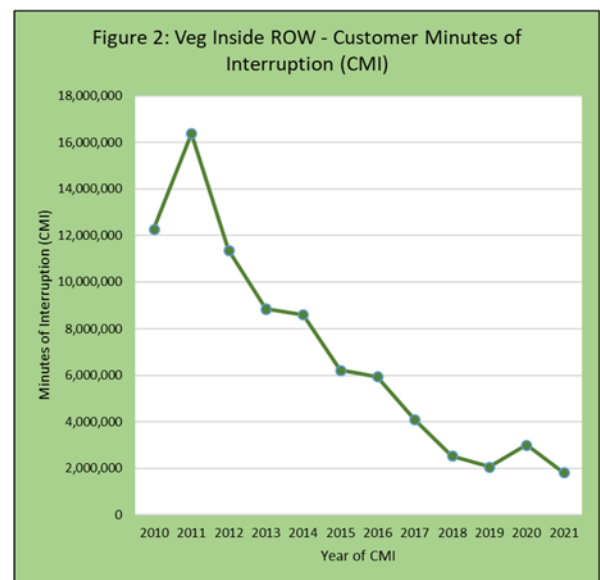
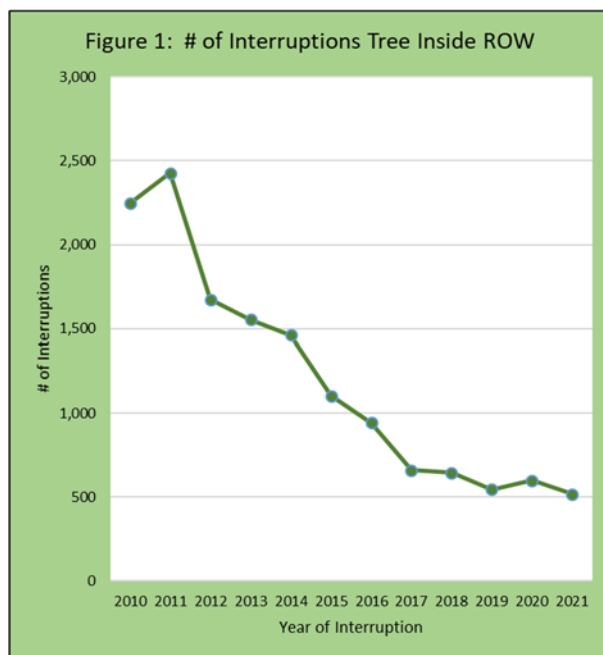
Table 4: Twelve Year Reporting Indices for All Outage Cause Codes			
Year	SAIFI	CAIDI	SAIDI
2010	2.47	169.4	418.4
2011	3.09	195.4	602.8
2012	2.42	189.5	458.0
2013	2.14	178.5	382.7
2014	2.37	212.9	505.3
2015	2.47	189.8	468.1
2016	2.17	205.7	445.8
2017	2.17	187.3	406.3
2018	2.34	206.8	484.2
2019	2.49	195.2	485.0
2020	2.01	197.7	397.4
2021	1.86	218.0	405.2

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

Table 5: Twelve Year Reporting Indices for Tree Inside Rights-of-Way Outage Cause Codes			
Year	Tree Inside Rights-of-Way SAIFI	Tree Inside Rights-of-Way CAIDI	Tree Inside Rights-of-Way SAIDI
2010	0.371	190.8	70.9
2011	0.419	227.4	95.3
2012	0.256	258.8	66.3
2013	0.281	184.3	51.9
2014	0.215	236.3	50.9
2015	0.178	207.6	37.0
2016	0.172	207.2	35.6
2017	0.114	216.7	24.6
2018	0.075	204.9	15.4
2019	0.081	156.8	12.6
2020	0.074	246.3	18.2
2021	0.055	201.5	11.1

Table 5 highlights the improvements driven by the Company's Distribution Vegetation Management Program. The 2021 Tree Inside Rights-of-Way SAIFI and SAIDI are respectively 72.9 % and 74.5 % below the average Tree Inside Rights-of-Way SAIFI and SAIDI metrics for the previous eleven year period of 2010 through 2020. The CAIDI values decreased 5.2% from the eleven year period average duration of 212.5 to 201.5 in 2021. 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 78.7% from a peak of 2,427 interruptions in year 2011 to 518 interruptions in year 2021. The annual number of customer minutes of interruption (CMI) associated with these events has also declined by approximately 88.9% from a peak of 16,388,594 to 1,820,992 over the same period (Figure 1 and Figure 2).



The number of vegetation-related service interruptions for tree inside rights-of-way decreased by 13.5% percent from 599 in year 2020, to 518 in year 2021. The number of customer minutes interrupted due to trees inside rights-of-way decreased from 3,011,960 in year 2020 to 1,820,992 in year 2021. Total number of customer minutes interrupted due to trees inside rights-of-way during year 2021 has decreased 28.3% below the previous three-year average of 2,541,395 minutes of interruption.

Vine-related outages are included in the reported inside rights-of-way outages. For year 2021, vine-related outages constituted approximately 14.0% of inside the rights-of-way customer minutes interrupted, and approximately 52.5% of inside the 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 expenditures of \$241,352,861 in Vegetation Management O&M from the beginning of the program on July 1, 2010 through December 31, 2021. In that period, the Company spent \$243,245,596, or \$1,892,735 (0.78%) more than planned.

Kentucky Power has trimmed 826,577 trees; removed 2,846,611 trees; cleared 32,220 acres (50.34 square miles) of brush; and sprayed 36,489 acres of brush (57.01 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 and January 13, 2021 Order in Case No. 2020-00174 continued the balancing account. The required annual expenditures were modified to reflect the amounts detailed in Table 5 of Mr. Phillips’ direct testimony in Case No. 2020-00174.

The December 31, 2021 balancing account balance of \$242,450 (expenditures in excess of the targeted amounts) is shown in Table 6 below:

Table 6: Kentucky Power Balancing Account Vegetation Management Program Dollars			
Year	Required Expenditure	Actual Expenditure	Variance
2015	\$13,830,530	\$13,620,717	-\$209,813
2016	\$27,661,060	\$27,774,546	\$113,486
2017	\$27,661,060	\$27,840,992	\$179,932
2018	\$21,638,766	\$21,779,501	\$140,735
2019	\$21,283,946	\$21,312,894	\$28,948
2020	\$21,472,777	\$21,347,446	-\$125,331
2021	\$21,733,094	\$21,847,587	\$114,493
Total	\$155,281,233	\$155,523,683	\$242,450

Attachment Description

The following attachments are incorporated in this report:

Attachment 1 – provides a detailed summary of annual cycle maintenance work completed in 2021 at a circuit level within each district.

Attachment 2 – provides the annual cycle maintenance plan for 2022 at circuit level by district reflecting circuit level updates to the Company's previous Vegetation Management Plan filed April 1, 2021.

Attachment 3 – provides the annual spray plan for 2022 at the district level.

Attachment 4 – provides a recapitulation of planned 2022 O&M expenditures (including amounts that cannot be allocated on a circuit basis) by district and projected 2022 capital expenditures by district. The 2022 capital expenditures include, as was detailed in the Company's 2022 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 – 2021 Annual Maintenance Cycle History

2021 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
2206403	South Neal - Whites Creek Road	\$352,863.90	38.9	38.9	38.9	1,013	2,741	38.00	0.00	0.0	Full Circuit Clearing
3000202	Big Sandy - Burnaugh North	\$296,069.64	85.0	25.7	25.7	1,252	2,491	48.70	121.06	0.0	Finish Full Circuit Clearing, from 2020
3000203	Big Sandy - Yatesville	\$776,109.61	62.3	62.3	62.3	2,660	9,379	131.13	85.67	0.0	Full Circuit Clearing
3000301	Bellefonte - Westwood	\$340,009.68	22.9	22.9	22.9	1,074	967	24.55	23.64	0.0	Full Circuit Clearing
3000302	Bellefonte - Flatwoods	\$44,642.44	3.1	3.1	3.1	143	210	5.83	4.76	0.0	Full Circuit Clearing
3000304	Bellefonte - Town Center	\$24,789.45	2.7	2.7	2.7	25	175	5.37	9.12	0.0	Full Circuit Clearing
3000701	Graysbranch - Graysbranch	\$584,129.17	69.0	69.0	69.0	2,178	2,212	47.75	88.08	0.0	Full Circuit Clearing
3001001	Hitchins - Damron Branch	\$77,923.99	46.4	9.3	13.0	488	708	5.90	0.00	0.0	Begin Full Circuit Clearing
3001003	Hitchins - Grayson	\$618,571.15	47.6	47.6	47.6	2,051	3,888	72.40	77.13	0.0	Full Circuit Clearing
3001102	Hoods Creek - Rural	\$0.00	47.9	17.1	0.0	0	0	0.00	0.00	0.0	Begin Full Circuit Clearing, Deferred to 2022
3001202	Howard Collins - 29th St.	\$143,544.94	13.2	13.2	11.7	780	154	2.05	0.00	0.0	Begin Full Circuit Clearing
3001204	Howard Collins - Summitt	\$61,521.61	24.3	24.3	9.8	222	128	7.77	0.00	0.0	Begin Full Circuit Clearing
3007904	Busseyville - Torchlight	\$26,967.10	96.2	2.6	2.6	82	337	4.42	0.00	0.0	Finish Full Circuit Clearing, from 2020
3007905	Busseyville - Mattie	\$1,426,997.57	92.0	92.0	86.0	3,499	18,887	264.02	211.25	0.0	Full Circuit Clearing
3008002	47th Street - 39th Street	\$0.00	12.9	3.3	0.0	0	0	0.00	0.00	0.0	Begin Full Circuit Clearing, Deferred to 2022
3110903	Wurtland - Rt. 503	\$424,978.61	46.3	46.3	46.3	1,808	2,261	29.66	21.42	0.0	Full Circuit Clearing
3116701	Belhaven - Diedrich	\$18,962.99	8.9	0.3	0.3	35	13	0.03	0.00	0.0	Finish Full Circuit Clearing, from 2020
3116702	Belhaven - Indian Run	\$164,207.69	19.1	6.7	6.7	582	774	10.88	14.95	0.0	Finish Full Circuit Clearing, from 2020
3116703	Belhaven - Argillite	\$391,933.66	27.7	27.7	27.6	1,346	971	34.64	28.00	0.0	Full Circuit Clearing
3000201	Big Sandy - Fallsburg South	\$65,657.30	0.0	0.0	0.0	26	121	2.67	114.18	0.0	Ground Spray and Reactive Work
3000303	Bellefonte - Bellefonte	\$1,116.10	0.0	0.0	0.0	1	0	0.00	0.00	0.0	Reactive Work
3000601	Grahn - Distribution	\$37,087.28	0.0	0.0	0.0	0	0	0.00	86.13	0.0	Ground Spray
3000801	Hayward - Haldeman	\$61,332.40	0.0	0.0	0.0	0	0	0.00	137.17	0.0	Ground Spray
3000802	Hayward - Lawton	\$21,860.00	0.0	0.0	0.0	0	0	0.00	54.65	0.0	Ground Spray
3000903	Highland - Wurtland	\$1,869.30	0.0	0.0	0.0	0	2	0.00	0.00	0.0	Capital Work
3001002	Hitchins - Willard	\$41,155.84	0.0	0.0	0.0	0	0	0.00	90.42	0.0	Ground Spray
3001402	Louisa - High Bottom	\$249.86	0.0	0.0	0.0	0	1	0.00	0.00	0.0	Capital Work
3002001	South Shore - Siloam	\$17,254.40	0.0	0.0	0.0	0	0	0.00	37.52	0.0	Ground Spray
3002002	South Shore - Distribution	\$7,003.20	0.0	0.0	0.0	0	0	0.00	16.45	0.0	Ground Spray
3003701	Coalton - US 60 W	\$3,975.00	0.0	0.0	0.0	0	22	0.00	0.00	0.0	Capital Work and Reactive Work
3004301	Siloam - Distribution	\$7,648.16	0.0	0.0	0.0	5	0	0.00	12.38	0.0	Ground Spray and Reactive Work
3007903	Busseyville - Louisa	\$24,118.80	0.0	0.0	0.0	0	0	0.00	53.98	0.0	Ground Spray
3008001	47th Street - 49th Street	\$2,302.30	0.0	0.0	0.0	1	2	0.00	0.00	0.0	Capital Work and Reactive Work
3008003	47th Street - Catlettsburg	\$672.90	0.0	0.0	0.0	2	0	0.09	0.00	0.0	Reactive Work
3008701	Cannonsburg - Cannonsburg	\$1,456.20	0.0	0.0	0.0	4	0	0.00	0.00	0.0	Reactive Work
3008702	Cannonsburg - Rt. 3	\$2,677.95	0.0	0.0	0.0	0	0	0.00	0.00	0.0	Reactive Work
3010601	Russell - Kenwood	\$888.13	0.0	0.0	0.0	2	2	0.00	0.00	0.0	Capital Work and Reactive Work
3103101	Olive Hill - Globe	\$39,564.00	0.0	0.0	0.0	0	0	0.00	98.91	0.0	Ground Spray
3103103	Olive Hill - West Carter Elementary	\$23,410.72	0.0	0.0	0.0	0	0	0.00	52.42	0.0	Ground Spray
3116101	Grayson - Lansdowne	\$7,721.15	0.0	0.0	0.0	8	51	0.27	0.00	0.0	Capital Work and Reactive Work
3116102	Grayson - Dixie Park	\$6,007.29	0.0	0.0	0.0	0	0	0.00	0.00	0.0	Reactive Work
Ashland District Totals		\$6,149,251.48		514.8	476.1	19,287	46,497	736.13	1,439.28	0.0	

2021 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
3300601	Bluegrass - Walkertown	\$245,418.37	28.7	28.7	28.7	631	2,841	68.49	35.11	0.0	Full Circuit Clearing
3301401	Combs - Combs	\$103,430.51	9.6	9.6	9.6	280	1,438	22.70	23.67	0.0	Full Circuit Clearing (8.6 mi on Bonnyman Ckt)
3301402	Combs - Airport Garden	\$329,581.12	42.1	42.1	42.1	1,028	4,629	141.72	82.67	0.0	Full Circuit Clearing
3303901	Leslie - Hyden	\$274,847.81	89.4	24.2	24.2	839	6,109	81.65	146.16	0.0	Finish Full Circuit Clearing, from 2020
3309001	Jeff - Boone Ledge	\$44,365.27	5.0	5.0	5.0	172	550	16.35	0.00	0.0	Full Circuit Clearing
3309101	Whitesburg - Whitesburg	\$80,597.24	8.7	8.7	8.7	148	473	14.35	1.55	0.0	Full Circuit Clearing
3309102	Whitesburg - Hospital	\$62,125.36	7.1	7.1	7.1	122	1,129	15.12	0.00	0.0	Full Circuit Clearing
3309104	Whitesburg - Crafts Colley	\$272,206.17	27.8	27.8	27.8	1,459	3,742	59.58	11.17	0.0	Full Circuit Clearing
3309302	Vicco - Jeff	\$362,507.88	89.0	25.0	35.0	1,774	5,499	97.10	0.00	0.0	Begin Full Circuit Clearing
3309901	Slemp - Defeated Cr.	\$108,056.05	13.5	13.5	13.5	380	1,648	49.64	87.31	0.0	Full Circuit Clearing, Aerial Spray
3309902	Slemp - Leatherwood	\$662,098.21	70.7	70.4	70.4	4,026	7,767	179.76	139.19	0.0	Finish Full Circuit Clearing, from 2020
3309903	Slemp - Beech Fork	\$2,536.40	1.7	1.4	1.4	3	121	1.58	0.00	0.0	Finish Full Circuit Clearing, from 2020
3309904	Slemp - Royal Diamond	\$15,482.94	2.3	2.3	2.3	47	265	4.97	32.97	0.0	Full Circuit Clearing
3310503	Haddix - Troublesome Creek	\$629,339.81	91.4	53.8	57.7	1,730	13,313	171.85	48.35	0.0	Begin Full Circuit Clearing, HWY 476 segment
3311101	Stinnett - Redbird	\$932,324.92	117.5	61.4	74.7	3,436	22,230	364.72	122.40	0.0	Begin Full Circuit Clearing
3311102	Stinnett - Beech Fork	\$118,196.77	9.6	9.6	9.6	430	2,464	39.07	26.67	0.0	Full Circuit Clearing
3311401	Reedy - Deane	\$442,223.42	43.2	43.1	43.1	714	6,381	122.68	25.60	0.0	Finish Full Circuit Clearing, from 2020
3314402	Mayking - Millstone	\$86,731.66	53.5	10.8	10.8	439	908	11.64	11.41	0.0	Finish Full Circuit Clearing, from 2020
3401301	Fleming - Neon	\$212,216.51	20.2	20.2	19.9	1,199	2,648	49.97	4.28	0.0	Full Circuit Clearing
3401302	Fleming - McRoberts	\$441,522.65	28.6	28.6	28.6	2,153	5,593	62.07	56.02	0.0	Full Circuit Clearing
3420001	Softshell - Vest	\$501,872.86	54.0	54.0	54.0	1,015	6,777	139.61	84.33	0.0	Full Circuit Clearing
3300602	Bluegrass - Hazard	\$12,734.88	0.0	0.0	0.0	0	0	0.00	28.52	0.0	Ground and Vine Spray
3301101	Chaves - Chaves	\$2,323.42	0.0	0.0	0.0	0	7	0.00	1.51	0.0	Vine Spray and Reactive Work
3301701	Daisy - Leatherwood	\$9,414.93	0.0	0.0	0.0	0	47	0.00	5.97	0.0	Capital Work and Vine Spray
3302701	Hazard - Black Gold	\$3,378.34	0.0	0.0	0.0	6	12	0.00	1.63	0.0	Reactive Work
3302703	Hazard - Hazard	\$6,383.41	0.0	0.0	0.0	0	0	0.00	13.72	0.0	Ground and Vine Spray
3302704	Hazard - Kenmont	\$3,489.36	0.0	0.0	0.0	0	0	0.00	6.22	0.0	Vine Spray
3303902	Leslie - Wooton	\$187,041.32	0.0	0.0	0.0	0	49	1.09	404.51	0.0	Ground and Vine Spray, and Capital Work
3303903	Leslie - Hals Fork	\$5,678.24	0.0	0.0	0.0	0	18	0.00	11.64	0.0	Capital Work and Vine Spray
3307301	Bulan - Ary-Heiner	\$1,079.00	0.0	0.0	0.0	0	2	0.00	0.00	0.0	Capital Work
3307302	Bulan - Ajax-Dwarf	\$1,135.56	0.0	0.0	0.0	0	0	0.00	1.23	0.0	Vine Spray
3308001	Jackson - South Jackson	\$25,782.94	0.0	0.0	0.0	0	0	0.00	56.51	0.0	Ground and Vine Spray
3308002	Jackson - Panbowl	\$36,515.41	0.0	0.0	0.0	0	10	0.00	78.45	0.0	Ground and Vine Spray
3308401	Beckham - Hindman	\$12,282.35	0.0	0.0	0.0	13	15	0.14	18.22	0.0	Reactive Work and Vine Spray
3308402	Beckham - Carr Creek	\$1,080.66	0.0	0.0	0.0	0	0	0.00	2.03	0.0	Vine Spray
3308404	Beckham - Pippa Passes	\$6,429.48	0.0	0.0	0.0	1	16	0.15	5.62	0.0	Reactive Work and Vine Spray
3308502	Bonnyman - Hazard	\$51,403.17	0.0	0.0	0.0	9	40	0.31	84.90	0.0	Ground and Vine Spray, and Reactive Work
3308503	Bonnyman - Big Creek	\$4,154.60	0.0	0.0	0.0	0	0	0.00	7.88	0.0	Vine Spray
3308601	Collier - Upper Rockhouse	\$46,199.93	0.0	0.0	0.0	0	0	0.00	100.47	0.0	Ground and Vine Spray
3308602	Collier - Lower Rockhouse	\$2,275.25	0.0	0.0	0.0	0	0	0.00	2.77	0.0	Vine Spray
3308603	Collier - Smoot Creek	\$2,407.90	0.0	0.0	0.0	0	0	0.00	2.74	0.0	Vine Spray
3309002	Jeff - Jeff	\$1,050.00	0.0	0.0	0.0	0	0	0.00	2.98	0.0	Vine Spray
3309003	Jeff - Viper	\$3,033.38	0.0	0.0	0.0	0	0	0.00	5.33	0.0	Vine Spray
3309103	Whitesburg - Cowan	\$49,946.60	0.0	0.0	0.0	20	242	1.44	68.08	0.0	Capital Work, Ground and Vine Spray
3309301	Vicco - Red Fox	\$12,427.82	0.0	0.0	0.0	0	20	0.00	36.42	0.0	Ground and Vine Spray, and Capital Work
3309302	Vicco - Jeff	\$8,509.12	0.0	0.0	0.0	0	0	0.00	23.93	0.0	Vine Spray
3309902	Slemp - Leatherwood	\$22,195.20	0.0	0.0	0.0	0	0	0.00	67.67	0.0	Ground Spray
3310501	Haddix - Quicksand	\$7,482.55	0.0	0.0	0.0	13	46	0.55	5.54	0.0	Vine Spray and Reactive Work
3310502	Haddix - Canoe	\$4,397.00	0.0	0.0	0.0	0	0	0.00	8.85	0.0	Vine Spray
3310503	Haddix - Troublesome Creek	\$18,621.70	0.0	0.0	0.0	0	0	0.00	55.37	0.0	Ground and Vine Spray
3311101	Stinnett - Redbird	\$3,162.30	0.0	0.0	0.0	0	0	0.00	4.50	0.0	Vine Spray
3311102	Stinnett - Beech Fork	\$1,035.20	0.0	0.0	0.0	0	0	0.00	3.60	0.0	Ground Spray
3311103	Stinnett - Wendover 35kV	\$807.70	0.0	0.0	0.0	0	0	0.00	1.17	0.0	Vine Spray
3311401	Reedy - Deane	\$1,781.44	0.0	0.0	0.0	0	0	0.00	1.73	0.0	Vine Spray
3311701	Shamrock - Shamrock	\$22,272.10	0.0	0.0	0.0	0	0	0.00	55.53	0.0	Ground and Vine Spray
3312202	Engle - Grapevine 34.5	\$103,496.68	0.0	0.0	0.0	3	5	0.00	265.01	0.0	Ground and Vine Spray, and Reactive Work
3314401	Mayking - Ermine	\$24,593.86	0.0	0.0	0.0	15	74	0.59	59.16	0.0	Ground and Vine Spray, and Reactive Work
3314402	Mayking - Millstone	\$26,318.92	0.0	0.0	0.0	0	0	0.00	68.08	0.0	Ground and Vine Spray
3401302	Fleming - McRoberts	\$1,651.30	0.0	0.0	0.0	0	0	0.00	1.90	0.0	Vine Spray
3420002	Softshell - Leburn	\$61,073.76	0.0	0.0	0.0	9	96	1.38	129.52	0.0	Ground and Vine Spray, and Capital Work
Hazard District Totals		\$6,722,728.71		547.4	574.3	22,114	97,224	1,720.27	2,637.76	0.0	

2021 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
3120102	Stanville - Tram	\$290,049.00	33.0	33.0	33.0	540	1,322	80.99	0.00	0.0	Full Circuit Clearing
3200202	Barrenshe - Vulcan - A	\$269,025.28	41.3	6.0	21.0	611	1,630	67.14	0.00	0.0	Begin Full Circuit Clearing
3401001	Elwood - Dorton	\$797,290.90	43.4	43.4	30.5	1,519	7,848	109.05	0.00	0.0	Full Circuit Clearing
3401002	Elwood - Virgie	\$928,823.20	80.4	80.4	71.5	1,609	5,824	168.80	1.73	0.0	Full Circuit Clearing
3401703	Henry Clay - Ashcamp	\$554,239.30	42.2	42.2	42.2	1,194	4,654	149.85	0.00	0.0	Full Circuit Clearing
3401801	Index - Distribution	\$297,262.04	55.7	4.7	7.6	648	1,485	19.75	0.00	0.0	Begin Full Circuit Clearing
3402204	McKinney - Maytown	\$388,718.62	35.6	35.6	35.6	772	6,945	82.08	0.00	0.0	Full Circuit Clearing
3402501	Middle Creek - Distribution	\$122,788.18	5.8	0.0	5.8	193	1,151	21.49	0.00	0.0	Full Circuit Clearing
3403003	Pikeville - Cedar Creek	\$33,757.12	23.6	1.5	1.5	68	351	8.08	0.00	0.0	Finish Full Circuit Clearing, from 2020
3403301	Prestonsburg - City	\$78,197.50	6.9	6.9	6.9	150	352	3.42	0.00	0.0	Full Circuit Clearing
3407101	Topmost - Dema	\$427,571.19	36.2	36.2	34.5	470	2,024	79.16	0.00	0.0	Full Circuit Clearing
3407102	Topmost - Caney	\$43,049.30	3.1	3.1	3.1	0	701	20.55	0.00	0.0	Full Circuit Clearing
3407103	Topmost - Kite	\$351,617.64	25.4	5.4	25.4	1,168	4,696	63.62	0.00	0.0	Begin Full Circuit Clearing
3409002	W. Paintsville - Staffordsville	\$349,588.29	47.1	21.8	21.8	637	3,344	69.15	0.00	0.0	Finish Full Circuit Clearing, from 2020
3409301	Kenwood - W Van Lear	\$419,472.10	18.8	18.8	18.8	989	2,791	53.88	0.00	0.0	Full Circuit Clearing
3409303	Kenwood - Hagerhill	\$963,730.57	49.4	49.4	49.4	1,882	6,778	135.13	0.00	0.0	Full Circuit Clearing
3410601	E. Prestonsburg - Prestonsburg	\$88,110.98	7.4	7.4	7.4	149	356	5.92	0.00	0.0	Full Circuit Clearing
3411401	Dewey - Inez - A	\$1,215,480.16	170.8	138.5	138.5	2,991	8,237	240.07	0.00	0.0	Finish Full Circuit Clearing, from 2020
3411802	Johns Creek - Raccoon	\$221,690.17	85.0	22.2	22.2	385	1,858	40.09	0.00	0.0	Finish Full Circuit Clearing, from 2020
3413402	Garrett - Lackey	\$432,699.41	34.8	34.8	34.8	218	2,947	129.33	0.00	0.0	Full Circuit Clearing
3414501	Consol - Coal Co	\$23,700.14	3.8	3.8	3.8	10	58	7.62	0.00	0.0	Full Circuit Clearing
2970603	Hurley-Racefork	\$4,997.90	0.0	0.0	0.0	8	23	0.29	0.00	0.0	Capital and Reactive Work
3120101	Stanville - Mud Creek	\$263,681.07	0.0	0.0	0.0	3	514	8.04	251.48	0.0	Ground Spray and Reactive Work
3120103	Stanville - Harold	\$58,621.82	0.0	0.0	0.0	0	0	0.00	77.47	0.0	Ground Spray
3202201	Lovely - Lovely - A	\$5,062.80	0.0	0.0	0.0	0	3	0.00	0.00	0.0	Capital Work
3202202	Lovely - Wolf Creek	\$5,560.85	0.0	0.0	0.0	0	5	0.00	0.00	0.0	Capital Work
3400101	Allen - Distribution	\$3,146.80	0.0	0.0	0.0	8	13	0.00	0.00	0.0	Capital and Reactive Work
3400702	Draffin - Yellow Hill	\$2,198.34	0.0	0.0	0.0	0	0	0.00	1.89	0.0	Ground Spray
3401103	Falcon - Burning Fork	\$148,300.88	0.0	0.0	0.0	0	111	0.75	148.32	0.0	Capital Work and Ground Spray
3401802	Index - Hospital	\$3,188.07	0.0	0.0	0.0	18	17	0.17	0.00	0.0	Reactive Work
3403201	Beaver Creek - Ligon	\$92,970.00	0.0	0.0	0.0	0	0	0.00	206.60	0.0	Ground Spray
3403302	Prestonsburg - University	\$1,848.15	0.0	0.0	0.0	2	0	0.00	0.00	0.0	Reactive Work
3404301	Sidney - Big Creek	\$42,086.21	0.0	0.0	0.0	0	0	0.00	53.96	0.0	Ground Spray
3408304	Coleman - Calloway	\$1,992.60	0.0	0.0	0.0	0	0	0.00	0.00	0.0	Capital Work
3409003	West Paintsville - Plaza	\$1,204.20	0.0	0.0	0.0	0	3	0.00	0.00	0.0	Capital Work
3409302	Kenwood - Auxier	\$1,232.10	0.0	0.0	0.0	2	0	0.00	0.00	0.0	Reactive Work
3409401	Feds Creek - Feds Creek	\$63,861.88	0.0	0.0	0.0	0	0	0.00	141.92	0.0	Ground Spray
3409402	Feds Creek - Lick Creek	\$30,017.82	0.0	0.0	0.0	0	0	0.00	66.71	0.0	Ground Spray
3409502	Burdine - Levisa Stone	\$113,420.48	0.0	0.0	0.0	10	58	0.25	114.17	0.0	Ground Spray and Reactive Work
3410502	So. Pikeville - Island Creek	\$141,573.00	0.0	0.0	0.0	0	0	0.00	123.34	0.0	Ground Spray
3410503	South Pikeville - Hospital	\$15,726.56	0.0	0.0	0.0	0	0	0.00	16.24	0.0	Ground Spray
3413401	Garrett - Garrett	\$8,527.80	0.0	0.0	0.0	16	8	0.00	0.00	0.0	Capital Work and Reactive Work
3417601	New Camp - South Side	\$24,169.29	0.0	0.0	0.0	0	0	0.00	27.44	0.0	Ground Spray
3417602	New Camp - Arh- W Wmsn	\$1,586.50	0.0	0.0	0.0	0	1	0.00	0.00	0.0	Capital Work
3420101	Mayo Trail-Nippa	\$872.30	0.0	0.0	0.0	4	0	0.00	0.00	0.0	Reactive Work
3420102	Mayo Trail-Euclid	\$530.90	0.0	0.0	0.0	1	6	0.02	0.00	0.0	Reactive Work
3420103	Mayo Trail - Davis Branch	\$361.26	0.0	0.0	0.0	0	2	0.02	0.00	0.0	Reactive Work
Pikeville District Totals		\$9,333,600.67		595.0	615.2	16,275	66,116	1,564.71	1,231.26	0.0	
Kentucky Power 2021 Totals		\$22,205,580.86		1,657.2	1,665.6	57,676	209,837	4,021.11	5,308.30	0.0	

Attachment 2 – 2022 Annual Maintenance Cycle Plan

2022 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	Big Sandy	Fallsburg South	3000201	96.12	37.58	\$11,693	\$439,441	\$21,972	\$461,413	Begin Full Circuit Reclear
ASH	Bellefonte	Bellefonte	3000303	57.93	57.93	\$11,693	\$677,403	\$33,870	\$711,273	Full Circuit Reclear
ASH	Grahn	Pleasantville	3000601	42.32	42.32	\$11,693	\$494,868	\$24,743	\$519,611	Full Circuit Reclear
ASH	Hitchens	Denton	3001001	46.40	33.40	\$11,693	\$390,562	\$19,528	\$410,090	Finish Full Circuit Reclear from 2021
ASH	Hitchens	Willard	3001002	150.51	52.25	\$11,693	\$610,984	\$30,549	\$641,534	Begin Full Circuit Reclear
ASH	Hitchens	EK Road	3001004	31.80	31.80	\$11,693	\$371,853	\$18,593	\$390,445	Full Circuit Reclear
ASH	Hoods Creek	Rural	3001102	47.86	47.86	\$11,693	\$559,650	\$27,982	\$587,632	Full Circuit Reclear
ASH	Howard Collins	29th Street	3001202	13.16	1.50	\$11,693	\$17,540	\$877	\$18,417	Finish Full Circuit Reclear from 2021
ASH	Howard Collins	Summit	3001204	24.28	14.48	\$11,693	\$169,322	\$8,466	\$177,788	Finish Full Circuit Reclear from 2021
ASH	Coalton	Cannonsburg	3003702	23.23	23.23	\$11,693	\$271,640	\$13,582	\$285,222	Full Circuit Reclear
ASH	Coalton	Trace Creek	3003703	83.89	83.89	\$11,693	\$980,966	\$49,048	\$1,030,014	Full Circuit Reclear
ASH	Busseyville	Louisa	3007903	44.28	44.28	\$11,693	\$517,787	\$25,889	\$543,677	Full Circuit Reclear
ASH	Busseyville	Mattie	3007905	92.04	6.00	\$11,693	\$70,161	\$3,508	\$73,669	Finish Full Circuit Reclear from 2021
ASH	47th Street	39th Street	3008002	12.88	12.88	\$11,693	\$150,612	\$7,531	\$158,143	Full Circuit Reclear
ASH	Olive Hill	West Carter Elem.	3103103	38.35	38.35	\$11,693	\$448,445	\$22,422	\$470,867	Full Circuit Reclear
Ashland District Totals					527.75		\$6,171,234	\$308,562	\$6,479,796	

2022 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	Chavies	Chavies	3301101	67.97	67.97	\$11,394	\$774,481	\$65,831	\$840,312	Full Circuit Reclear
HAZ	Bulan	Lotts Creek	3307303	2.24	2.24	\$11,394	\$25,524	\$2,170	\$27,693	Full Circuit Reclear
HAZ	Beckham	Hindman	3308401	103.30	103.30	\$11,394	\$1,177,048	\$100,049	\$1,277,097	Full Circuit Reclear
HAZ	Beckham	Carr Creek	3308402	51.35	17.37	\$11,394	\$197,922	\$16,823	\$214,745	Begin Full Circuit Reclear
HAZ	Vicco	Jeff	3309302	89.02	54.02	\$11,394	\$615,529	\$52,320	\$667,849	Finish Full Circuit Reclear, from 2021
HAZ	Haddix	Quicksand	3310501	111.18	38.77	\$11,394	\$441,763	\$37,550	\$479,313	Begin Full Circuit Reclear
HAZ	Haddix	Canoe	3310502	123.12	123.12	\$11,394	\$1,402,886	\$119,245	\$1,522,131	Full Circuit Reclear
HAZ	Haddix	Troublesome Creek	3310503	91.39	33.69	\$11,394	\$383,879	\$32,630	\$416,509	Finish Full Circuit Reclear, from 2021
HAZ	Stinnett	Redbird	3311101	117.48	42.83	\$11,394	\$488,025	\$41,482	\$529,507	Finish Full Circuit Reclear, from 2021
HAZ	Stinnett	Wendover	3311103	35.92	18.00	\$11,394	\$205,100	\$17,434	\$222,534	Begin Full Circuit Reclear
HAZ	Jenkins	Kona	3312901	27.13	27.13	\$11,394	\$309,132	\$26,276	\$335,408	Full Circuit Reclear
HAZ	Burdine	Jenkins	3409503	6.93	6.93	\$11,394	\$78,964	\$6,712	\$85,676	Full Circuit Reclear
Hazad District Totals					535.37		\$6,100,252	\$518,521	\$6,618,773	

2022 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	Hurley	Race Fork	2970603	2.77	2.77	\$10,821	\$29,975	\$4,047	\$34,021	Full Circuit Reclear
PKV	Barrenshe	Freeburn	3200201	11.15	11.15	\$10,821	\$120,656	\$16,289	\$136,944	Full Circuit Reclear
PKV	Barrenshe	Vulcan	3200202	41.27	20.27	\$10,821	\$219,344	\$29,611	\$248,956	Finish Full Circuit Reclear, from 2021
PKV	Barrenshe	Slate Branch	3200203	4.40	4.40	\$10,821	\$47,613	\$6,428	\$54,041	Full Circuit Reclear
PKV	Tom Watkins	Upper Pond Creek	3201001	28.11	28.11	\$10,821	\$304,182	\$41,065	\$345,247	Full Circuit Reclear
PKV	Lovely	Lovely	3202201	42.33	42.33	\$10,821	\$458,058	\$61,838	\$519,896	Full Circuit Reclear
PKV	Lovely	Mt. Sterling	3202203	13.38	2.00	\$10,821	\$21,642	\$2,922	\$24,564	Begin Full Circuit Reclear, carry into 2023
PKV	Elwood	Dorton	3401001	43.41	12.91	\$10,821	\$139,701	\$18,860	\$158,560	Finish Full Circuit Reclear, from 2021
PKV	Elwood	Virgie	3401002	80.38	8.88	\$10,821	\$96,092	\$12,972	\$109,064	Finish Full Circuit Reclear, from 2021
PKV	Henry Clay	Regina	3401702	115.85	115.85	\$10,821	\$1,253,628	\$169,240	\$1,422,868	Full Circuit Reclear
PKV	Index	West Liberty	3401801	55.68	48.08	\$10,821	\$520,280	\$70,238	\$590,518	Finish Full Circuit Reclear, from 2021
PKV	Index	Hospital	3401802	20.09	20.09	\$10,821	\$217,397	\$29,349	\$246,745	Full Circuit Reclear
PKV	Keyser	Stonecoal	3402002	36.55	36.55	\$10,821	\$395,512	\$53,394	\$448,907	Full Circuit Reclear
PKV	Russell Fork	Little Beaver	3403701	12.14	12.14	\$10,821	\$131,369	\$17,735	\$149,103	Full Circuit Reclear
PKV	Second Fork	Distribution	3403801	7.35	7.35	\$10,821	\$79,535	\$10,737	\$90,273	Full Circuit Reclear
PKV	Topmost	Dema	3407101	36.16	1.66	\$10,821	\$17,963	\$2,425	\$20,388	Finish Full Circuit Reclear, from 2021
PKV	Salisbury	Martin	3408103	45.82	1.39	\$10,821	\$15,041	\$2,031	\$17,072	Begin Full Circuit Reclear
PKV	Kimper	Grapevine	3408402	36.24	36.24	\$10,821	\$392,158	\$52,941	\$445,099	Full Circuit Reclear
PKV	West Paintsville	Paintsville	3409001	3.40	3.40	\$10,821	\$36,792	\$4,967	\$41,759	Full Circuit Reclear
PKV	West Paintsville	Plaza	3409003	23.19	23.19	\$10,821	\$250,942	\$33,877	\$284,819	Full Circuit Reclear
PKV	South Pikeville	Pikeville	3410501	9.69	9.69	\$10,821	\$104,857	\$14,156	\$119,012	Full Circuit Reclear
PKV	South Pikeville	Hospital	3410503	5.74	5.74	\$10,821	\$62,113	\$8,385	\$70,499	Full Circuit Reclear
PKV	Sidney	Big Creek	3414301	25.35	25.35	\$10,821	\$274,316	\$37,033	\$311,348	Full Circuit Reclear
PKV	Fishtrap	Distribution	3414901	4.48	4.48	\$10,821	\$48,479	\$6,545	\$55,023	Full Circuit Reclear
PKV	New Camp	Southside	3417601	10.24	10.24	\$10,821	\$110,808	\$14,959	\$125,768	Full Circuit Reclear
PKV	New Camp	ARH	3417602	21.57	21.57	\$10,821	\$233,412	\$31,511	\$264,922	Full Circuit Reclear
PKV	Mayo Trail	Nippa	3420101	22.49	22.49	\$10,821	\$243,367	\$32,855	\$276,222	Full Circuit Reclear
PKV	Mayo Trail	Euclid	3420102	19.46	19.46	\$10,821	\$210,579	\$28,428	\$239,007	Full Circuit Reclear
PKV	Mayo Trail	Davis Branch	3420103	32.15	32.15	\$10,821	\$347,899	\$46,966	\$394,866	Full Circuit Reclear
Pikeville District Totals				589.93			\$6,383,710	\$861,801	\$7,245,511	
Kentucky Power Aerial Saw (O&M)							\$60,000			
Kentucky Power Totals				1,653.05			\$18,715,196	\$1,688,884	\$20,404,080	

Attachment 3 – 2022 Annual Spray Plan

Kentucky Power 2022 Distribution VM Spray Plan - Cycle Based		
District	Acres	O&M Budget
Ashland	600	\$360,000
Hazard	900	\$540,000
Pikeville	1,270	\$889,000
Aerial Spray	100	\$33,340
KY Total	2,870	\$1,822,340

Attachment 4 – Recapitulation Expenditures by District

Kentucky Power Company 2022 Distribution VM O&M Forestry Plan - Summary				
Activity	Total O&M	Ashland	Hazard	Pikeville
5 Year Cycle Maintenance	\$18,655,196	\$6,171,234	\$6,100,252	\$6,383,710
Aerial Saw	\$60,000			
Spray - Ground & Aerial	\$1,822,340	\$360,000	\$540,000	\$889,000
Internal - KY Forestry Staff	\$661,908	\$220,636	\$220,636	\$220,636
Unscheduled/Reactive Maintenance	\$377,200	\$78,733	\$174,733	\$123,733
2022 Total 5 Yr. Cycle O&M Budget	\$21,576,644	\$6,830,603	\$7,035,621	\$7,617,079

Kentucky Power Company 2022 Distribution VM Capital Forestry Plan - Summary				
Activity	Total Capital	Ashland	Hazard	Pikeville
Capital Assoc. w/ 5 Yr. Cycle Maintenance	\$1,688,884	\$308,562	\$518,521	\$861,801
Internal - KY Forestry Staff	\$108,933	\$36,311	\$36,311	\$36,311
Capital Reliability Pilot Program	\$6,500,000	\$250,000	\$250,000	\$6,000,000
Internal - KY Forestry Staff	\$214,500	\$21,500	\$21,500	\$100,000
2022 Total Capital Budget	\$8,512,317	\$616,373	\$826,332	\$6,998,112