

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION



Pike County Kentucky

Johns Creek Station – Raccoon
Circuit

The Raccoon Circuit is 85
miles in length and serves
1,667 customers. This circuit
was fully re-cleared in 2016.

Targeted widening such as
pictured provides an added
benefit to customer reliability
by reducing impact from trees
outside of rights-of-way.

(Photo taken November 2019)

2019 DISTRIBUTION VEGETATION MANAGEMENT

REPORT OF KENTUCKY POWER COMPANY

April 1, 2020

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 2019 Distribution Vegetation Management Program.

INTRODUCTION AND BACKGROUND

Kentucky Power began its five-year cycle on 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, 2020 is slightly less than five (4.89) years. The previous miles cleared over the last five years, from January 1, 2015 through December 31, 2019, exceeded the Company's total primary miles of distribution.

With approval from the Public Service Commission in Case No. 2017-00179, Kentucky Power in 2018 modified its 2015 vegetation management plan to provide the most economical and reliable forestry plan for its customers. The modification permitted Kentucky Power to begin a five-year cycle-based vegetation management program effective January 1, 2019. Kentucky Power is now performing cycle-based vegetation management maintenance work on its distribution rights-of-way. The principal characteristics of its current distribution rights-of-way vegetation management program are:

- Vegetation within Kentucky Power's distribution system rights-of-way will be re-cleared on a five-year cycle. The Company will on average 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 equal to or greater than 10% 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 detailed in the Company's application in Case No. 2017-00179

(Table 9 of the direct testimony of Everett G. Phillips). Any annual shortfall or excess in expenditures is to be applied to the account balance.

2019 Distribution Vegetation Management Expenditures
And Rights-of-Way Work Performed

Total 2019 O&M expenditures for Kentucky Power's Distribution Vegetation Management program were \$21,312,894. Total 2019 Distribution Vegetation Management O&M expenditures exceeded the 2019 level of O&M expenditures (\$21,283,946) proposed by Kentucky Power in its 2019 Vegetation Management Plan by \$28,948 (0.14%).

Capital expenditures for 2019 totaled \$13,961,984. This includes capital investment made in connection with O&M expenditures and a reliability widening pilot program in the Hazard district to combat established threats (*i.e.*, Oak Wilt, Root Rot – multiple species, Emerald Ash Borer, White Pine Blister Rust, and Hemlock Woolly Adelgid) to Eastern Kentucky forests. The Company saw an average of 31.1% SAIDI reduction in Hazard district for trees outside the rights-of-way for those circuits targeted for widening as compared to those not targeted within the district.

2019 Vegetation Management Mileage Cleared, Expenditures, and Cost/Unit

Kentucky Power's 2019 Work Plan is broken down into four major actions in Table 1: Cycle maintenance (field personnel completing cycle maintenance), Internal personnel (provide planning and oversight), Spray (future control of regrowth brush and density population of trees within Rights-of-Way), and Reactive maintenance (field personnel completing maintenance to circuits outside plan due to vegetation issues). Table 1 provides a comparison of the 2019 work completed, actual expenditures, and Cost/Unit to the projections contained for each of its actions within its 2019 Vegetation Work Plan.

Table 1: 2019 Vegetation Work Plan						
Action Description	Targeted			Actual		
	Miles/Acres	Expenses	Cost/Unit	Miles/Acres	Expenses	Cost/Unit
Cycle Maint (Miles)	1,623	\$18,176,206	\$11,199	1,543	\$17,390,711	\$11,271
Internal	-	\$795,000	\$490	-	\$515,734	\$334
Spray (Acres)	3,338	\$1,940,740	\$581	5,037	\$3,125,579	\$621
Reactive Maint	-	\$372,000	\$229	-	\$280,870	\$182
TOTALS	-	\$21,283,946	\$12,500	-	\$21,312,894	\$12,408

Kentucky Power targeted 1,623 miles of annual cycle maintenance and completed 1,543 miles (95.1%) of the 2019 Vegetation Work Plan. Associated expenditures were \$17,390,711 (95.7%) or \$785,495 below the targeted expenditure of \$18,176,206. The Company's cost per unit for field cycle maintenance was approximately \$72 (0.64%) more per mile than targeted due to increases in contracts for forestry vegetation. The Company successfully managed double digit percentage increase in contracts costs (labor, equipment, and material) in 2019 through efficiencies gained, in part from previous spray and control of rights-of-way efficiencies.

The Company targeted 3,338 acres of spray in 2019 and completed 5,037 acres or 1,699 acres (50.9%) above the acres work plan. Approximately 1,270 acres of this variance is due to cut stubble applications and the remaining 429 acres of the variance is due in part to spraying of expanded rights-of-way and to address areas of rapid brush regrowth. Cut stubble applications were used to treat brush cleared by mowing and more immediate application behind maintenance clearing. This method of application is less seasonal than foliar applications which allows the Company to control brush more effectively and to better address the rapid regrowth of brush. Typical control of cut stubble is directed at the tall woody species with the goal of releasing lower growing vegetation that will occupy the site and hinder tree species establishment within the rights-of-way. Previous foliar spray applications could only be completed during May through October even though annual cycle maintenance continued year around. The initial shift to cut stubble along with catch up from previous maintenance clearing outside the window of applications for foliar spray caused an increase in acres sprayed.

Kentucky Power's 2019 expenditures for internal and reactive maintenance totaled (\$370,396) less than the targeted work plan. If spray for the 2019 vegetation plan had been limited to its targeted amount the Company would have achieved the targeted 1,623 miles. This is illustrated by the addition of \$785,495 shortfall in annual cycle maintenance and adding the \$370,396 of under expenditures in internal and reactive maintenance actions for a total of \$1,155,891. These additional dollars (\$1,155,891) divided by average cost per unit of \$11,271 would have allowed for 102.6 additional miles of cycle maintenance. Kentucky Power expects to complete the vegetation cycle on time by distributing the 2019 shortfall of 80 miles over the remaining four years of the first five year cycle.

O&M and Capital work associated with the 2019 Vegetation Management activities included removing 195,074 trees, trimming 50,276 trees, and clearing 4,223 acres of brush.

2019 Distribution Vegetation Management Work by District

Table 2 below details the Company's 2019 District O&M vegetation expenditures by circuit within each district. Certain O&M expenditures, including Internal Labor & Fleet, unscheduled hotspot maintenance, trouble restoration work, tree ticket investigation, auditor expenses, third party flagging expenditures, and tree contractor's field supervision cannot be allocated on a per-circuit basis.

Table 2: 2019 District Level O&M Expenditures by Circuit				
Nature of Expense	Ashland	Hazard	Pikeville	Total
Annual Cycle Maintenance	\$5,706,409	\$5,531,057	\$8,048,978	\$19,286,444
Internal	\$171,199	\$160,433	\$184,102	\$515,734
TOTAL	\$5,877,608	\$5,691,490	\$8,233,080	\$19,802,178

Table 3 below provides the 2019 Five Year Cycle work performed within each District in miles cleared and acres sprayed.

Table 3: 2019 District Level Cycle Work Performed				
Nature of Expense	Ashland	Hazard	Pikeville	Total
Annual Cycle Miles Cleared	471.9	495.2	576.2	1,543.3
Acres Sprayed	1,587.7	1,435.6	2,013.6	5,036.9

Attachment 1 to this report details the 2019 annual cycle vegetation management work and expenditures by circuit. The attachment provides the number of miles of circuit completed for each task, acres of brush cut, acres of brush sprayed, amount of tree growth regulator (soil injection) applied, number of trees removed, and number of trees trimmed.

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 2010 (when the Vegetation Management Program began) through December 31, 2019.

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

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

Table 5: Ten 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	0.3714	190.8	70.9
2011	0.4192	227.4	95.3
2012	0.2562	258.8	66.3
2013	0.2815	184.3	51.9
2014	0.2154	236.3	50.9
2015	0.1782	207.6	37.0
2016	0.1719	207.2	35.6
2017	0.1137	216.7	24.6
2018	0.0751	204.9	15.4
Average (2010-2018)	0.2314	214.9	49.8
2019	0.0806	156.8	12.6

Excluded from the calculation of the indices in both tables are major events as defined by IEEE standard 1366.

Table 5 highlights the efficacy of the Company's Distribution Vegetation Management Program. The 2019 Tree Inside Rights-of-Way SAIFI and SAIDI were respectively 65.2% below, and 74.6% below the average Tree Inside Rights-of-Way SAIFI and SAIDI metrics for the period 2010-2018. The CAIDI values improved 27% from an average duration of 214.9 minutes in 2010 to 156.8 minutes in 2019. 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 the Distribution Vegetation Management Program began in July 2010, the annual number of Tree Inside Rights-of-Way Interruptions (excluding major event days) declined by approximately 78.6%, from 2,547 to 544. The annual number of customer minutes of

interruption (CMI) associated with these events declined by approximately 83.1% from 12,280,664 to 2,072,958 over the same period (See Figure 1 and Figure 2).

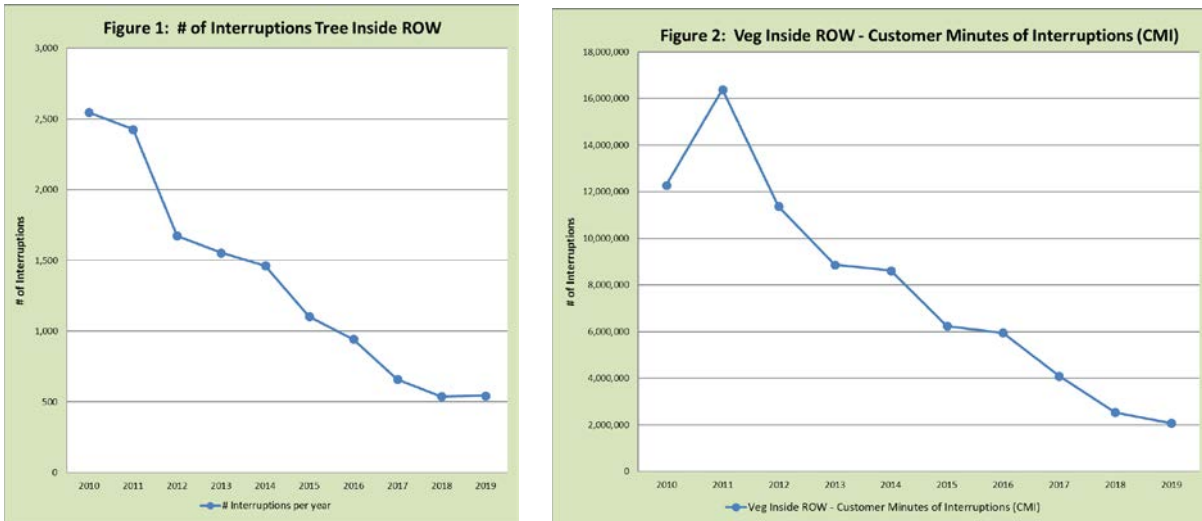


Figure 1 and Figure 2 for cause code Tree Inside Rights-of-Way is expected to continue to flatten in the future for the following reasons:

- The Company has completed end to end maintenance clearing for the entire primary distribution system and gained control of its rights-of-way;
- Refusals of customers to allow the Company to clear rights-of-way to the Company's vegetation specifications; 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 the house attachments, are positioned lower on the poles and are more likely to cross customer planted trees.

Vegetation Management Program-to-Date Expenditures

Kentucky Power filed vegetation management plans indicating it would spend \$198,146,990 on Vegetation Management O&M from the beginning of the program on July 1, 2010 through December 31, 2019. In that period, the Company spent \$200,050,563, or \$1,903,573 (0.96%) more than planned.

Kentucky Power trimmed 707,000 trees, cleared 24,252 acres (37.89 square miles) of brush, sprayed 27,215 acres to control vegetation, and removed 2,419,871 trees since the 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 and modified the required annual expenditure levels going forward to reflect the amounts detailed in Table 9 of Mr. Phillips’ direct testimony in the case.

The calculation of the December 31, 2019 balancing account of \$253,288 (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
Total	\$112,075,362	\$112,328,650	\$253,288

Attachment Description

The following attachments are incorporated in this report:

Attachment 1 – provides a detailed summary of annual cycle maintenance work completed in 2019 at a circuit level within each district.

Attachment 2 – provides the annual cycle maintenance plan for 2020 at circuit level by district.

Attachment 3 – provides the annual Spray plan for 2020 at the district level.

Attachment 4 – provides a recapitulation of planned 2020 O&M expenditures (including amounts that cannot be allocated on a circuit basis) by district and projected 2020 capital expenditures by district. The 2020 capital expenditures include, as was detailed in the Company's 2020 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, trees killed by the emerald ash borer and root rot.

Attachment 1 – 2019 Annual Maintenance Cycle

2019 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
3000801	Hayward - Halderman	\$349,985.49	118.7	28.9	28.9	1,479	2,449	24.5	0.0	0.0	Finish Full Circuit Clearing, from 2018
3001401	Louisa - City	\$100,537.54	9.9	9.9	9.9	324	1,212	17.3	0.0	0.0	Full Circuit Clearing
3001402	Louisa - High Bottom	\$140,278.44	13.4	13.4	12.4	515	1,130	13.7	0.0	0.0	Full Circuit Clearing
3002001	South Shore - Siloam	\$363,397.87	38.5	38.5	38.5	1,285	2,197	35.7	28.9	0.0	Full Circuit Clearing
3002002	South Shore - Distribution	\$145,923.17	9.1	9.1	9.1	271	1,027	23.5	40.8	0.0	Full Circuit Clearing
3002101	10th Street - 6th St.	\$226.10	0.6	0.6	0.6	2	3	0.0	0.0	0.0	Full Circuit Clearing
3002103	10th Street - 12th St.	\$99,988.43	7.0	7.0	7.0	507	273	6.9	14.5	0.0	Full Circuit Clearing
3002104	10th Street - 10-3	\$32,721.13	2.9	2.9	2.9	157	98	0.6	0.0	0.0	Full Circuit Clearing
3002105	10th Street - Midtown	\$13,160.81	3.7	3.7	3.7	67	17	0.4	0.0	0.0	Full Circuit Clearing
3002106	10th Street - Front Street	\$7,810.16	1.8	1.8	1.8	33	63	1.1	0.0	0.0	Full Circuit Clearing
3002107	10th Street - West Central	\$215,159.65	15.7	15.7	15.7	891	990	12.7	27.2	0.0	Full Circuit Clearing
3003701	Coalton - US 60 W	\$996,481.54	87.1	87.1	87.1	3,402	5,160	114.6	207.6	0.0	Full Circuit Clearing
3004301	Siloam - Distribution	\$257,530.73	18.1	18.1	18.1	523	1,630	20.9	12.5	0.0	Full Circuit Clearing
3007904	Busseyville - Torchlight	\$82,402.74	98.1	17.0	0.0	0	19	26.7	2.8	0.0	Mowing and Planning, Clearing Deferred to 2020
3007906	Busseyville - Walbridge	\$1,030,169.63	95.1	75.1	75.1	3,664	10,781	146.3	236.1	0.0	Finish Full Circuit Clearing, from 2018
3008003	47th Street - Catlettsburg	\$204,336.08	26.8	26.8	26.8	1,212	692	33.6	33.1	0.0	Full Circuit Clearing
3008701	Cannonsburg - Cannonsburg	\$784,888.93	62.6	62.6	62.0	2,658	4,230	121.6	92.6	0.0	Full Circuit Clearing
3103101	Olive Hill - Globe	\$447,073.92	120.7	50.0	51.3	1,392	3,103	66.8	1.9	0.0	Begin Full Circuit Clearing
3117601	Princess - Meade	\$250,589.89	46.0	29.2	21.0	1,368	1,580	39.0	25.0	0.0	Begin Full Circuit Clearing
3000201	Big Sandy - Fallsburg South	\$9,214.88	96.0	0.0	0.0	0	0	1.0	0.0	0.0	Mowing
3000202	Big Sandy - Burnaugh North	\$22,362.88	85.1	0.0	0.0	0	0	16.2	0.0	0.0	Mowing
3000203	Big Sandy - Yatesville	\$110,348.92	62.7	0.0	0.0	0	4	57.6	0.0	0.0	Mowing and Capital Work
3000303	Bellefonte - Bellefonte	\$1,231.10	57.9	0.0	0.0	0	1	0.0	0.0	0.0	Capital Work
3000601	Grahn - Distribution	\$4,968.90	42.0	0.0	0.0	2	34	0.0	0.0	0.0	Quality of Service Work
3000701	Graysbranch - Graysbranch	\$16,314.06	69.0	0.0	0.0	0	0	9.8	0.0	0.0	Mowing
3000802	Hayward - Lawton	\$275.97	37.3	0.0	0.0	1	0	0.0	0.0	0.0	Quality of Service Work
3000901	Highland - Russell	\$539.25	24.6	0.0	0.0	0	1	0.0	0.0	0.0	Quality of Service Work
3001001	Hitchins - Damron Branch	\$59,995.59	46.4	0.0	0.0	0	58	0.3	90.7	0.0	Ground Spray and Capital Work
3001002	Hitchins - Willard	\$206,590.58	151.1	0.0	0.0	1	0	0.0	350.1	0.0	Ground Spray
3001004	Hitchins - EK Road	\$32,517.50	31.6	0.0	0.0	0	0	0.0	57.6	0.0	Ground Spray
3001101	Hoods Creek - Summitt	\$18,655.82	22.5	0.0	0.0	1	1	0.0	36.9	0.0	Ground Spray and Capital Work
3001102	Hoods Creek - Rural	\$3,271.88	47.2	0.0	0.0	0	0	0.0	7.7	0.0	Ground Spray
3001202	Howard Collins - 29th St.	\$3,693.07	13.2	0.0	0.0	4	5	0.0	0.0	0.0	Capital Work and Quality of Service Work
3001204	Howard Collins - Summitt	\$9,418.52	26.1	0.0	0.0	0	0	0.0	60.9	0.0	Ground Spray
3003702	Coalton - Cannonsburg	\$28,055.72	23.6	0.0	0.0	0	0	0.0	62.2	0.0	Ground Spray
3003703	Coalton - Trace Creek	\$79,696.55	83.8	0.0	0.0	0	0	0.0	167.0	0.0	Ground Spray
3007905	Busseyville - Mattie	\$36,145.28	91.2	0.0	0.0	0	0	10.6	1.8	0.0	Mowing
3008001	47th Street - 49th Street	\$8,651.63	25.4	0.0	0.0	2	0	0.0	19.2	0.0	Ground Spray and Quality of Service Work
3008002	47th Street - 39th Street	\$4,224.23	12.8	0.0	0.0	0	0	0.0	10.7	0.0	Ground Spray
3110902	Wurtland - Greenup	\$15,843.02	51.2	0.0	0.0	0	30	0.6	0.0	0.0	Capital Work
3110903	Wurtland - Rt. 503	\$13,559.73	46.3	0.0	0.0	0	0	6.7	0.0	0.0	Mowing
3116101	Grayson - Lansdowne	\$1,544.40	35.4	0.0	0.0	1	3	0.0	0.0	0.0	Capital Work
3116701	Belhaven - Diedrich	\$253.00	8.9	0.0	0.0	1	1	0.0	0.0	0.0	Quality of Service Work
Ashland District Totals		\$6,210,034.73		497.4	471.9	19,763	36,792	808.5	1,587.7	0.0	

2019 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
3301701	Daisy - Leatherwood	\$682,643.23	88.4	71.5	71.5	2,744	11,390	934.8	0.0	0.0	Finish Full Circuit Clearing, from 2018
3303902	Leslie - Wooton	\$187,904.01	129.9	47.6	20.0	636	2,343	33.8	21.7	0.0	Begin Full Circuit Clearing
3303903	Leslie - Hals Fork	\$425,472.24	76.6	30.6	30.6	1,407	8,670	123.6	0.0	0.0	Finish Full Circuit Clearing, from 2018
3307301	Bulan - Ary-Heiner	\$92,655.76	52.7	0.7	0.7	214	797	4.3	154.2	0.0	Finish Full Circuit Clearing, from 2018
3307302	Bulan - Ajax-Dwarf	\$68,938.44	40.5	0.8	0.8	107	390	2.9	121.8	0.0	Finish Full Circuit Clearing, from 2018
3308001	Jackson - South Jackson	\$453,131.12	26.6	26.6	24.6	842	5,840	71.5	30.9	0.0	Full Circuit Clearing
3308002	Jackson - Panbowl	\$483,859.01	31.4	31.4	31.2	963	6,597	70.2	34.0	0.0	Full Circuit Clearing
3308404	Beckham - Pippa Passes	\$318,546.23	63.4	42.9	42.9	443	2,176	28.4	44.5	0.0	Finish Full Circuit Clearing, from 2018
3308502	Bonnyman - Hazard	\$523,066.73	65.5	42.9	42.7	1,190	9,322	107.9	11.0	0.0	Finish Full Circuit Clearing, from 2018
3308503	Bonnyman - Big Creek	\$295,221.58	87.4	13.8	13.8	933	4,638	43.2	146.3	0.0	Finish Full Circuit Clearing, from 2018
3308603	Collier - Smoot Creek	\$834,888.07	79.7	79.7	79.7	2,640	10,715	177.3	112.6	0.0	Full Circuit Clearing
3309002	Jeff - Jeff	\$69,909.00	5.7	5.7	5.7	63	1,367	8.9	16.6	0.0	Full Circuit Clearing
3309003	Jeff - Viper	\$638,118.72	67.0	56.5	56.5	2,391	9,448	118.1	0.0	0.0	Finish Full Circuit Clearing, from 2018
3311701	Shamrock - Shamrock	\$402,240.76	28.7	28.7	28.5	986	9,743	124.6	6.6	0.0	Full Circuit Clearing
3312201	Engle - Industrial Park	\$14,728.85	4.1	4.1	4.1	14	360	9.1	21.4	0.0	Full Circuit Clearing
3312202	Engle - Grapevine	\$486,323.64	100.2	53.0	41.9	1,350	8,899	118.9	4.2	0.0	Begin Full Circuit Clearing
3300601	Bluegrass - Walkertown	\$2,477.60	28.7	0.0	0.0	0	4	0.0	2.0	0.0	Capital Work and Ground Spray
3302703	Hazard - Hazard	\$2,601.18	11.0	0.0	0.0	0	0	0.0	1.3	0.0	Capital Work and Ground Spray
3302704	Hazard - Kenmont	\$14,550.11	19.9	0.0	0.0	23	6	0.0	34.5	0.0	Capital Work and Ground Spray
3303901	Leslie - Hyden	\$18,564.24	89.4	0.0	0.0	0	0	0.0	33.6	0.0	Ground Spray
3307303	Bulan - Lotts Creek	\$4,211.88	2.2	0.0	0.0	0	0	0.0	9.5	0.0	Ground Spray
3308401	Beckham - Hindman	\$45,021.48	97.3	0.0	0.0	0	0	0.0	116.7	0.0	Ground Spray
3308402	Beckham - Carr Creek	\$66,337.99	51.3	0.0	0.0	8	347	1.5	146.8	0.0	Capital Work and Ground Spray
3308601	Collier - Upper Rockhouse	\$1,379.34	37.3	0.0	0.0	0	0	0.0	29.4	0.0	Ground Spray
3308602	Collier - Lower Rockhouse	\$16,578.83	62.9	0.0	0.0	3	19	0.0	14.8	0.0	Ground Spray and Quality of Service Work
3309001	Jeff - Boone Ledge	\$8,108.64	5.0	0.0	0.0	8	24	0.0	0.0	0.0	Capital Work
3309101	Whitesburg - Whitesburg	\$1,959.10	8.8	0.0	0.0	0	0	0.0	5.5	0.0	Ground Spray
3309102	Whitesburg - Hospital	\$5,527.58	7.1	0.0	0.0	0	0	0.0	15.0	0.0	Ground Spray
3309103	Whitesburg - Cowan	\$2,325.98	43.9	0.0	0.0	0	28	0.0	0.0	0.0	Quality of Service Work
3309104	Whitesburg - Crafts Colley	\$1,035.90	27.9	0.0	0.0	0	0	0.0	1.1	0.0	Quality of Service Work
3309301	Vicco - Red Fox	\$1,202.10	47.8	0.0	0.0	0	8	0.0	0.0	0.0	Quality of Service Work
3309302	Vicco - Jeff	\$4,546.42	88.9	0.0	0.0	1	80	0.0	0.0	0.0	Capital Work and Quality of Service Work
3310501	Haddix - Quicksand	\$32,005.97	111.3	0.0	0.0	0	0	0.0	167.2	0.0	Ground Spray
3310502	Haddix - Canoe	\$18,681.28	124.1	0.0	0.0	0	0	0.0	1.3	0.0	Ground Spray and Work Planning
3310503	Haddix - Troublesome Creek	\$10,157.84	91.7	0.0	0.0	0	0	0.0	66.6	0.0	Ground Spray
3311101	Stinnett - Redbird	\$1,821.90	117.7	0.0	0.0	0	25	0.0	0.0	0.0	Capital Work
3311103	Stinnett - Wendover	\$3,465.81	36.8	0.0	0.0	0	1	0.0	5.5	0.0	Ground Spray and Capital Work
3311401	Reedy - Deane	\$1,968.24	43.7	0.0	0.0	0	0	0.0	2.2	0.0	Quality of Service Work
3312901	Jenkins - Kona	\$3,891.40	26.0	0.0	0.0	0	0	0.0	11.7	0.0	Ground Spray
3312902	Jenkins - Jenkins	\$11,147.30	22.2	0.0	0.0	3	5	1.5	32.1	0.0	Ground Spray and Quality of Service Work
3314401	Mayking - Ermine	\$5,364.60	28.1	0.0	0.0	40	8	0.1	0.0	0.0	Quality of Service Work
3401301	Fleming - Neon	\$2,302.24	20.4	0.0	0.0	0	0	0.0	1.6	0.0	Ground Spray, Quality of Service
3451202	Beehive - Dunham	\$4,949.50	8.7	0.0	0.0	0	0	0.0	11.6	0.0	Ground Spray
Hazard District Totals		\$6,269,831.84		536.5	495.2	17,009	93,250	1,980.3	1,435.6	0.0	

2019 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
3120101	Stanville - Mud Creek	\$655,658.54	77.5	32.9	32.9	1,814	6,496	94.2	0.0	0.0	Finish Full Circuit Clearing, from 2018
3200204	Barrenshe - Pounding Mill	\$180,731.45	16.1	16.1	16.1	461	2,274	31.0	0.0	0.0	Full Circuit Clearing
3400601	Burton - Bevinsville	\$355,833.32	19.6	19.6	19.6	483	3,309	66.7	0.0	0.0	Full Circuit Clearing
3400602	Burton - Wheelwright	\$504,356.71	20.8	20.8	20.8	611	2,974	49.3	0.0	0.0	Full Circuit Clearing
3401101	Falcon - Oil Springs	\$350,851.55	48.0	48.0	48.0	748	3,610	109.8	0.0	0.0	Full Circuit Clearing
3402202	McKinney - Gibson	\$552,709.26	41.9	41.9	41.9	1,117	5,467	80.6	0.0	0.0	Full Circuit Clearing
3403002	Pikeville - Main Street	\$138,088.84	6.4	6.4	6.4	385	436	6.0	0.0	0.0	Full Circuit Clearing
3403201	Beaver Creek - Ligon	\$811,465.11	80.2	62.3	49.0	982	7,916	159.1	0.0	0.0	Full Circuit Clearing
3403202	Beaver Creek - Price	\$488,150.56	25.7	25.7	25.7	427	3,259	67.6	0.0	0.0	Full Circuit Clearing
3403302	Prestonsburg - University	\$325,167.03	16.9	16.9	16.9	531	2,374	24.3	0.2	0.0	Full Circuit Clearing
3408303	Coleman - Peter Creek	\$431,221.40	39.3	39.3	39.3	816	3,640	54.7	3.7	0.0	Full Circuit Clearing
3408304	Coleman - Calloway	\$351,012.00	36.5	36.5	36.5	636	2,456	100.7	0.0	0.0	Full Circuit Clearing
3409502	Burdine - Levisa	\$418,750.77	39.9	25.9	25.9	702	3,383	82.9	0.0	0.0	Finish Full Circuit Clearing, from 2018
3410502	So. Pikeville - Island Creek	\$320,433.53	38.5	25.5	25.5	494	2,167	57.5	6.4	0.0	Finish Full Circuit Clearing, from 2018
3411801	Johns Creek - Meta	\$902,111.89	167.0	114.4	114.4	1,649	9,725	277.6	0.0	0.0	Finish Full Circuit Clearing, from 2018
3411901	Fords Branch - Shelby	\$102,961.64	40.5	0.1	0.1	0	0	0.0	108.1	0.0	Finish Full Circuit Clearing, from 2018
3411902	Fords Branch - Robinson Ck	\$157,728.78	69.9	0.4	0.4	0	35	0.0	194.1	0.0	Finish Full Circuit Clearing, from 2018
3412901	Weeksbury - Distribution	\$518,193.30	26.5	26.5	26.5	744	1,840	73.1	0.0	0.0	Full Circuit Clearing
3421001	Breaks - City	\$375,794.17	30.3	30.3	30.3	669	2,699	75.3	0.0	0.0	Full Circuit Clearing
2150103	Sprigg-Sprigg	\$25,884.08	9.0	0.0	0.0	0	14	0.6	39.1	0.0	Ground Spray and Quality of Service Work
2150105	Sprigg - Matewan	\$11,539.32	2.7	0.0	0.0	0	0	0.0	17.0	0.0	Ground Spray
3120102	Stanville - Tram	\$16,335.42	33.4	0.0	0.0	25	86	1.0	0.0	0.0	Quality of Service Work
3120103	Stanville - Harold	\$122,096.56	55.5	0.0	0.0	0	45	1.0	173.7	0.0	Ground Spray
3150501	Borderland - Nolan	\$65,043.75	18.5	0.0	0.0	0	0	0.0	99.6	0.0	Ground Spray
3150502	Borderland - Chattaroy	\$44,039.88	10.1	0.0	0.0	0	0	0.0	69.5	0.0	Ground Spray
3200201	Barrenshe - Freeburn	\$5,729.50	12.2	0.0	0.0	6	59	0.4	0.0	0.0	Quality of Service Work
3200301	Belfry - Belfry	\$9,594.26	13.3	0.0	0.0	0	0	0.0	13.9	0.0	Ground Spray
3200302	Belfry - Toler	\$14,979.30	40.5	0.0	0.0	71	50	0.0	7.1	0.0	Ground Spray and Quality of Service Work
3202201	Lovely - Lovely	\$7,157.10	41.2	0.0	0.0	0	4	0.0	8.8	0.0	Ground Spray and Capital Work
3202203	Lovely - Mt. Sterling	\$55,599.10	13.1	0.0	0.0	0	0	0.0	79.9	0.0	Ground Spray
3400702	Draffin - Yellow Hill	\$9,978.33	11.8	0.0	0.0	12	83	0.8	0.0	0.0	Capital Work
3401001	Elwood - Dorton	\$112,723.48	43.4	0.0	0.0	0	0	0.0	132.1	0.0	Ground Spray
3401002	Elwood - Virgie	\$17,141.14	80.4	0.0	0.0	0	9	0.0	28.1	0.0	Ground Spray
3401102	Falcon - Salyersville	\$35,446.25	45.0	0.0	0.0	0	31	1.1	44.0	0.0	Ground Spray
3401103	Falcon - Burning Fork	\$1,623.20	72.6	0.0	0.0	0	0	0.0	0.0	0.0	Work Planning
3401702	Henry Clay - Regina	\$13,301.78	113.1	0.0	0.0	0	3	0.0	24.0	0.0	Ground Spray and Capital Work
3401801	Index - Distribution	\$2,297.14	55.1	0.0	0.0	0	1	0.0	0.0	0.0	Capital Work
3402001	Keyser - Thompson Road	\$1,163.20	10.6	0.0	0.0	0	2	0.0	0.0	0.0	Capital Work
3402002	Keyser - Stonecoal	\$4,405.38	36.5	0.0	0.0	9	7	0.1	0.0	0.0	Capital Work and Quality of Service Work
3403001	Pikeville - City	\$5,706.00	20.4	0.0	0.0	0	1	0.0	0.0	0.0	Capital Work
3403801	Second Fork - Distribution	\$49,128.71	7.4	0.0	0.0	0	0	0.0	55.0	0.0	Ground Spray
3408101	Salisbury - Printer	\$46,660.96	19.6	0.0	0.0	0	0	0.0	60.6	0.0	Ground Spray
3408103	Salisbury - Martin	\$128,019.74	45.7	0.0	0.0	0	14	0.7	177.0	0.0	Ground Spray
3409001	W. Paintsville - Paintsville	\$6,308.74	3.4	0.0	0.0	0	0	2.9	6.7	0.0	Ground Spray
3409002	W. Paintsville - Staffordsville	\$126,954.42	47.0	0.0	0.0	0	0	0.0	177.2	0.0	Ground Spray
3409003	West Paintsville - Plaza	\$47,004.16	23.2	0.0	0.0	0	0	1.6	63.1	0.0	Ground Spray
3409301	Kenwood - W Van Lear	\$43,968.78	18.9	0.0	0.0	0	23	1.2	54.2	0.0	Ground Spray
3409302	Kenwood - Auxier	\$53,021.55	41.2	0.0	0.0	110	225	1.2	24.8	0.0	Ground Spray and Quality of Service Work
3409303	Kenwood - Hagerhill	\$152,870.55	49.3	0.0	0.0	0	104	10.0	122.6	0.0	Ground Spray and Capital Work
3409402	Feds Creek - Lick Creek	\$4,680.17	17.5	0.0	0.0	0	41	0.0	0.0	0.0	Capital Work
3410602	E. Prestonsburg - Lancer	\$975.70	24.6	0.0	0.0	0	2	0.0	0.0	0.0	Quality of Service Work
3411802	Johns Creek - Raccoon	\$6,624.06	85.0	0.0	0.0	0	16	0.0	0.0	0.0	Capital Work
3414901	Fishtrap - Distribution	\$29,730.98	4.5	0.0	0.0	0	0	0.0	30.0	0.0	Ground Spray
3420101	Mayo Trail-Nippa	\$45,417.59	22.5	0.0	0.0	2	13	0.0	54.3	0.0	Ground Spray and Capital Work
3420102	Mayo Trail-Euclid	\$33,853.07	19.5	0.0	0.0	0	0	0.0	44.7	0.0	Ground Spray
3420103	Mayo Trail - Davis Branch	\$91,884.47	32.1	0.0	0.0	0	139	1.9	67.0	0.0	Ground Spray
3421002	Breaks - Grassy	\$23,575.94	4.2	0.0	0.0	0	0	0.0	18.3	0.0	Ground Spray
970603	Hurley - Race Fork	\$5,792.26	4.9	0.0	0.0	0	0	0.0	8.8	0.0	Ground Spray
Pikeville District Totals		\$9,419,475.87		589.5	576.2	13,504	65,032	1,434.5	2,013.6	0.0	
Kentucky Power 2019 Totals		\$21,899,342.44		1,623.4	1,543.3	50,276	195,074	4,223.3	5,036.9	0.0	

Attachment 2 – 2020 Annual Maintenance Cycle Plan

2020 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	Ashland	25th St	3000101	1.3	1.3	\$11,983	\$15,578	\$1,429	\$17,008	Full Circuit Reclear
ASH	Ashland	29th St	3000102	6.8	6.8	\$11,983	\$81,486	\$7,476	\$88,963	Full Circuit Reclear
ASH	Ashland	14th St	3000103	1.4	1.4	\$11,983	\$16,777	\$1,539	\$18,316	Full Circuit Reclear
ASH	Ashland	3rd St	3000104	0.2	0.2	\$11,983	\$2,397	\$220	\$2,617	Full Circuit Reclear
ASH	Ashland	1st St	3000105	1.7	1.7	\$11,983	\$20,372	\$1,869	\$22,241	Full Circuit Reclear
ASH	Big Sandy	Burnaugh North	3000202	85.1	56.7	\$11,983	\$679,453	\$62,340	\$741,793	Begin Full Circuit Reclear
ASH	Bellefonte	Flatwoods	3000302	3.1	3.1	\$11,983	\$37,148	\$3,408	\$40,557	Full Circuit Reclear
ASH	Bellefonte	Town Center	3000304	2.7	2.7	\$11,983	\$32,235	\$2,958	\$35,193	Full Circuit Reclear
ASH	Highland	Russell	3000901	24.6	24.6	\$11,983	\$294,789	\$27,047	\$321,836	Full Circuit Reclear
ASH	Highland	Flatwoods	3000902	20.0	20.0	\$11,983	\$239,666	\$21,989	\$261,655	Full Circuit Reclear
ASH	Highland	Wurtland	3000903	15.3	15.3	\$11,983	\$183,344	\$16,822	\$200,166	Full Circuit Reclear
ASH	Howard Collins	13th St	3001201	13.0	13.0	\$11,983	\$155,783	\$14,293	\$170,076	Full Circuit Reclear
ASH	Howard Collins	Floyd	3001203	11.1	11.1	\$11,983	\$132,775	\$12,182	\$144,957	Full Circuit Reclear
ASH	Louisa	Highbottom	3001402	13.4	1.0	\$11,983	\$11,983	\$1,099	\$13,083	Finish Full Circuit Reclear, from 2019
ASH	Coalton	US 60 West	3003701	87.1	0.1	\$11,983	\$1,198	\$110	\$1,308	Finish Full Circuit Reclear, from 2019
ASH	Siloam	Distribution	3004301	18.1	0.1	\$11,983	\$1,198	\$110	\$1,308	Finish Full Circuit Reclear, from 2019
ASH	Busseyville	Torchlight	3007904	97.4	97.4	\$11,983	\$1,167,173	\$107,088	\$1,274,261	Full Circuit Reclear
ASH	Cannonsburg	Cannonsburg	3008701	62.6	0.6	\$11,983	\$7,190	\$660	\$7,850	Finish Full Circuit Reclear, from 2019
ASH	Russell	Bear Run	3010602	12.0	12.0	\$11,983	\$143,800	\$13,194	\$156,993	Full Circuit Reclear
ASH	Russell	Ashland Oil	3010603	0.8	0.8	\$11,983	\$9,587	\$880	\$10,466	Full Circuit Reclear
ASH	Olive Hill	Globe	3103101	121.1	69.8	\$11,983	\$836,434	\$76,743	\$913,177	Finish Full Circuit Reclear, from 2019
ASH	Grayson	Lansdowne	3116101	35.4	35.4	\$11,983	\$424,209	\$38,921	\$463,130	Full Circuit Reclear
ASH	Grayson	Dixie Park	3116102	33.1	33.1	\$11,983	\$396,647	\$36,392	\$433,039	Full Circuit Reclear
ASH	Belhaven	Diedrich	3116701	8.9	8.9	\$11,983	\$106,651	\$9,785	\$116,437	Full Circuit Reclear
ASH	Belhaven	Indian Run	3116702	19.1	19.1	\$11,983	\$228,881	\$21,000	\$249,881	Full Circuit Reclear
ASH	Belhaven	Argillite	3116703	27.7	12.5	\$11,983	\$150,151	\$13,776	\$163,927	Begin Full Circuit Reclear
ASH	Princess	Meade	3117601	46.0	25.0	\$11,983	\$299,582	\$27,487	\$327,069	Finish Full Circuit Reclear, from 2019
ASH	Princess	Route 180	3117602	23.3	23.3	\$11,983	\$279,211	\$25,618	\$304,828	Full Circuit Reclear
Ashland District Totals					497.0		\$5,955,700	\$546,434	\$6,502,134	

2020 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	Hazard	3300602	11.1	11.1	\$11,180	\$124,102	\$11,790	\$135,892	Full Circuit Reclear
HAZ	Hazard	Blackgold	3302701	30.3	30.3	\$11,180	\$338,766	\$32,183	\$370,949	Full Circuit Reclear
HAZ	Hazard	Hazard	3302703	11.1	11.1	\$11,180	\$124,102	\$11,790	\$135,892	Full Circuit Reclear
HAZ	Leslie	Hyden	3303901	89.4	89.4	\$11,180	\$999,528	\$94,955	\$1,094,483	Full Circuit Reclear
HAZ	Leslie	Wooton	3303902	129.9	109.9	\$11,180	\$1,228,723	\$116,729	\$1,345,452	Finish Full Circuit Reclear - from 2019
HAZ	Jackson	South Jackson	3308001	26.6	2.0	\$11,180	\$22,361	\$2,124	\$24,485	Finish Full Circuit Reclear - from 2019
HAZ	Jackson	Panbowl	3308002	31.4	0.2	\$11,180	\$2,236	\$212	\$2,449	Finish Full Circuit Reclear - from 2019
HAZ	Bonnyman	Hazard	3308502	65.5	0.2	\$11,180	\$2,236	\$212	\$2,449	Finish Full Circuit Reclear - from 2019
HAZ	Collier	Upper Rockhouse	3308601	37.3	37.3	\$11,180	\$416,805	\$39,597	\$456,402	Full Circuit Reclear
HAZ	Whitesburg	Cowan	3309103	43.9	43.9	\$11,180	\$490,820	\$46,628	\$537,447	Full Circuit Reclear
HAZ	Vicco	Redfox	3309301	47.8	47.8	\$11,180	\$534,535	\$50,781	\$585,316	Full Circuit Reclear
HAZ	Slemp	Beechfork	3309903	1.7	1.7	\$11,180	\$19,230	\$1,827	\$21,057	Full Circuit Reclear
HAZ	Slemp	Royal Diamond	3309904	2.3	2.3	\$11,180	\$25,715	\$2,443	\$28,158	Full Circuit Reclear
HAZ	Shamrock	Shamrock	3311701	28.7	0.2	\$11,180	\$2,236	\$212	\$2,449	Finish Full Circuit Reclear - from 2019
HAZ	Engle	Grapevine	3312202	99.6	57.7	\$11,180	\$645,109	\$61,285	\$706,394	Finish Full Circuit Reclear - from 2019
HAZ	Mayking	Ermine	3314401	28.1	28.1	\$11,180	\$313,826	\$29,813	\$343,639	Full Circuit Reclear
HAZ	Mayking	Millstone	3314402	53.5	23.1	\$11,180	\$258,502	\$24,558	\$283,060	Begin Full Circuit Reclear
HAZ	Softshell	Leburn	3420002	49.7	49.7	\$11,180	\$555,666	\$52,788	\$608,454	Full Circuit Reclear
Hazard District Totals					546.0		\$6,104,498	\$579,927	\$6,684,425	

2020 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	Allen	Distribution	3400101	27.2	27.2	\$10,811	\$294,052	\$26,465	\$320,517	Full Circuit Reclear
PKV	Falcon	Salyersville	3401102	45.0	45.0	\$10,811	\$486,483	\$43,783	\$530,266	Full Circuit Reclear
PKV	Falcon	Burning Fork	3401103	72.6	72.6	\$10,811	\$784,859	\$70,637	\$855,496	Full Circuit Reclear
PKV	Keyser	Mullins	3402003	29.6	29.6	\$10,811	\$319,998	\$28,800	\$348,797	Full Circuit Reclear
PKV	Pikeville	City	3403001	20.0	20.0	\$10,811	\$216,215	\$19,459	\$235,674	Full Circuit Reclear
PKV	Pikeville	Cedar Creek	3403003	28.0	28.0	\$10,811	\$302,700	\$27,243	\$329,944	Full Circuit Reclear
PKV	Beaver Creek	Ligon	3403201	80.2	31.2	\$10,811	\$337,295	\$30,357	\$367,651	Finish Full Circuit Reclear - from 2019
PKV	Spring Fork	Single Phase	3404002	8.2	8.2	\$10,811	\$88,648	\$7,978	\$96,626	Full Circuit Reclear
PKV	Sidney	Coburn Mtn	3404302	46.1	46.1	\$10,811	\$498,375	\$44,854	\$543,228	Full Circuit Reclear
PKV	W. Paintsville	Staffordsville	3409002	47.0	47.0	\$10,811	\$508,104	\$45,729	\$553,834	Full Circuit Reclear
PKV	Kenwood	Auxier	3409302	40.2	40.2	\$10,811	\$434,591	\$39,113	\$473,705	Full Circuit Reclear
PKV	Feds Creek	Feds Creek	3409401	41.0	41.0	\$10,811	\$443,240	\$39,892	\$483,132	Full Circuit Reclear
PKV	Feds Creek	Lick Creek	3409402	17.0	17.0	\$10,811	\$183,782	\$16,540	\$200,323	Full Circuit Reclear
PKV	E. Prestonsburg	Lancer	3410602	25.0	25.0	\$10,811	\$270,268	\$24,324	\$294,592	Full Circuit Reclear
PKV	Dewey	Inez	3411401	15.3	15.3	\$10,811	\$165,404	\$14,886	\$180,291	Begin Full Circuit Reclear
PKV	Johns Creek	Raccoon	3411802	84.0	84.0	\$10,811	\$908,101	\$81,729	\$989,831	Full Circuit Reclear
PKV	Garrett	Garrett	3413401	38.4	16.7	\$10,811	\$180,539	\$16,249	\$196,788	Begin Full Circuit Reclear
PKV	Beefhide	Beefhide	3451201	4.0	4.0	\$10,811	\$43,243	\$3,892	\$47,135	Full Circuit Reclear
PKV	Big Rock	Conaway	3974101	0.9	0.9	\$10,811	\$9,730	\$876	\$10,606	Full Circuit Reclear
Pikeville District Totals					599.0		\$6,475,629	\$582,807	\$7,058,436	

Kentucky Power Totals					1,642.0		\$18,535,827	\$1,709,168	\$20,244,995	
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Attachment 3 – 2020 Annual Spray Plan

Kentucky Power 2020 Distribution VM Spray Plan - Cycle Based		
District	Acres	O&M Budget
Ashland	720	\$468,199
Hazard	790	\$513,719
Pikeville	1,200	\$780,332
KY Total	2,710	\$1,762,250

Attachment 4 – 2020 Recapitulation Expenditures by District

Kentucky Power Company 2020 Distribution VM O&M Forestry Plan - Summary				
Activity	Total O&M	Ashland	Hazard	Pikeville
5 Year Cycle Maintenance	\$18,535,827	\$5,955,700	\$6,104,498	\$6,475,629
Spray - Ground and Aerial	\$1,762,250	\$468,199	\$513,719	\$780,332
Internal - KY Forestry Staff	\$817,500	\$272,500	\$272,500	\$272,500
Unscheduled/Reactive Maintenance	\$357,200	\$75,734	\$160,733	\$120,733
2020 Total 5 yr. Cycle O&M Budget	\$21,472,777	\$6,772,133	\$7,051,450	\$7,649,194

Kentucky Power Company 2020 Distribution VM Capital Forestry Plan - Summary				
Activity	Total CAP	Ashland	Hazard	Pikeville
Capital Assoc. w/ 5 Yr. Cycle Maintenance	\$1,709,168	\$546,434	\$579,927	\$582,807
Internal - KY Forestry Staff	\$190,500	\$63,500	\$63,500	\$63,500
Capital Reliability Pilot Program	\$6,500,000	\$100,000	\$100,000	\$6,300,000
Internal - KY Forestry Staff	\$200,000	\$3,000	\$3,000	\$194,000
2020 Total Capital Budget	\$8,599,668	\$712,934	\$746,427	\$7,140,307