

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION



Right-of-Way
Widening

Bluegrass/Walkertown circuit located on Main Street in Hazard, Ky. following the widening of the right-of-way to remove vegetation on the hillside. The widening helps to protect the circuit by removing trees that could fall onto the circuit or poles. Right-of-way widening is a capital investment.

(Photo taken June 2018)

2018 DISTRIBUTION VEGETATION MANAGEMENT
REPORT OF KENTUCKY POWER COMPANY

April 1, 2019

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 2018 Distribution Vegetation Management Program.

INTRODUCTION

Kentucky Power in 2018 completed clearing (Task 1 work) the more-than 8,100 miles of its distribution primary right-of-way. Kentucky Power also completed sufficient re-clearing (Task 2 work) during 2018 to allow the Company to begin its five-year cycle (Task 3 work) right-of-way maintenance January 1, 2019.¹

Since the Vegetation Management Program began in July 2010, the annual number of Tree Inside Right-of Way outages (excluding major event days) has been reduced by approximately 71.3%, from 2,250 to 645. The annual number of customer minutes of interruption associated with these events has been reduced by approximately 79.3%, from 12,280,664 to 2,539,186. Vegetation growth in the Company's rights-of-way as of January 1, 2019 averaged slightly more than five (5.13) years.

BACKGROUND

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, which consisted of accelerating the more costly Task 1 work, permitted Kentucky Power to begin a five-year cycle based vegetation management program effective January 1, 2019, or approximately six months earlier than forecasted in Case No. 2014-00396.

Beginning January 1, 2019, and in accordance with the Commission's January 18, 2018 Order in Case No. 2017-00179, Kentucky Power is now performing cycle-based vegetation management maintenance work on its distribution right-of-way. The principal characteristics of its current distribution right-of-way vegetation management program are:

- The 8,113 miles of Kentucky Power's distribution system right-of-way will be re-cleared on a five-year cycle. The Company will on average re-clear approximately 1,620 miles of right-of-way each year;
- Annual O&M expenditures for the five-year cycle will average approximately \$21.465 million;

¹ Kentucky Power began performing only cycle-based right-of-way maintenance work (Task 3 work) effective January 1, 2019. The Company proposes to eliminate references to Task 1, Task 2, and Task 3 in this and future reports and plans except as required for historical reporting purposes.

- Kentucky Power will file no later than September 30 of each year its distribution vegetation management work plan for the upcoming calendar year. The report will provide the same type of information as earlier plans, including identifying on a circuit-by-circuit basis the planned work and O&M expenditures, for the upcoming calendar year;
- Kentucky Power will notify the Commission and obtain approval for any deviations from the filed work plan equal to or greater than 10% (approximately \$2.147 million) of the aggregate planned O&M expenditures;
- The one-way balancing account established by the Commission's June 22, 2015 order in Case No. 2014-00396 is being continued. Expenditures are to be 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; and
- Kentucky Power will file on or before April 1 of each year a report of its distribution vegetation management activity and reliability performance for the prior calendar year. The report also will provide on a circuit-by-circuit basis the work completed and actual O&M expenditures for the prior year.

2018 Distribution Vegetation Management Expenditures and Right-of-Way Work Performed

Total 2018 O&M expenditures for Kentucky Power's Distribution Vegetation Management program were \$21,779,501. Total 2018 Distribution Vegetation Management O&M expenditures exceeded the 2018 level of O&M expenditures (\$21,638,766) proposed by Kentucky Power in its 2018 Vegetation Management Plan by \$140,735 (0.7%).

Task 1 O&M expenditures in 2018 were \$4,994,934. This expenditure level was approximately 206% of the \$2,419,648 proposed by Kentucky Power in its 2018 Vegetation Management Plan. The increased expenditures resulted from shifting into 2018 the 72 miles of Task 1 work and corresponding ground spraying that was not completed in 2017 as originally scheduled. Completing this additional Task 1 work in 2018 allowed Kentucky Power to transition to a cycle-based vegetation management plan (with its concomitantly lower revenue requirement) on January 1, 2019.

Task 2 O&M expenditures in 2018 were \$16,784,567 or 87.3% of the targeted level of \$19,219,118 (-\$2,434,551). The previously designated Task 2 expenditures were shifted to fund the increased 2018 Task 1 work required to permit the Company to transition to a five-year cycle earlier than previously projected. Notwithstanding the reduced 2018 Task 2 work, Kentucky Power successfully transitioned to the five-year maintenance cycle effective January 1, 2019.

Task 1 and Task 2 distribution vegetation management capital investments in 2018 totaled \$3,124,617. Actual capital investments exceeded the targeted level of \$2,259,463 by \$865,154. The majority of the increased capital investments involved the removal of trees with diameters of 18 inches or greater from rights-of-way.

2018 Vegetation Management Mileage Cleared

Kentucky Power completed 216 miles of Task 1 work in 2018 and 1,341 miles of Task 2 work during the year. Table 1 below compares the 2018 work completed to the projections contained in its modified Plan:

Table 1: 2018 Work Plan (April 2018 Filing)		
Work/Task	2018 Miles Planned	2018 Completed Miles
Task 1	216	216
Task 2	1,496	1,341
Acres Sprayed	2,925	3,257

Kentucky Power planned 216 miles of Task 1 work and 1,496 miles of Task 2 work in 2018. To permit the Company to complete all remaining Task 1 work in 2018 and thereby transition to a cycle-based plan in 2019, Kentucky Power in April 2018 increased the Task 1 work to be performed in 2018 to include the 72 miles of Task 1 work scheduled for 2017 that was not completed in 2017. The increased Task 1 work resulted in a decrease of Task 2 work that could be performed in 2018. In addition to shifting funding from Task 2 work to the more expensive Task 1 work,² Kentucky Power sprayed an additional 332 acres (in addition to the planned 2,925 acres) in connection with the increased Task 1 work. The additional spraying reduced the funding available for Task 2 work by an additional \$185,920. Notwithstanding the reduced level of Task 2 work performed in 2018, Kentucky Power successfully transitioned on January 1, 2019 to a five-year cycle-based vegetation management plan

O&M and Capital work associated with the 2018 Vegetation Management activities included removing 254,676 trees, trimming 65,284 trees, and clearing 3,380 acres of brush. The Company also sprayed 3,257 acres to control vegetation and thereby limit vegetation growth between cycles.

² The greater work required for the initial clearing of rights-of-way results in Task 1 work is approximately 23% more expensive per mile than Task 2 work.

2018 Distribution Vegetation Management Work by District

Table 2 below details the Company's 2018 District O&M expenditures by district. Certain O&M expenditures, including Internal Labor & Fleet, unscheduled hotspot maintenance, trouble restoration work, tree ticket investigation, auditor expenses, and tree contractor's field supervision cannot be allocated on a per-circuit basis. The amounts that cannot be assigned to a specific circuit are included in the Task 1 and Task 2 totals and per district expenditures below.

Table 2: 2018 Details of District O&M Expenditures				
Nature of Expense	Ashland	Hazard	Pikeville	Kentucky Total
Task 1	\$1,590,311	\$1,012,200	\$2,284,247	\$4,886,758
Internal Labor Task 1	\$38,218	\$22,864	\$47,093	\$108,175
Subtotal Task 1	\$1,628,530	\$1,035,064	\$2,331,340	\$4,994,934
Task 2	\$4,241,169	\$6,761,966	\$5,415,677	\$16,418,812
Internal Labor Task 2	\$106,410	\$139,682	\$119,663	\$365,755
Subtotal Task 2	\$4,347,579	\$6,901,648	\$5,535,340	\$16,784,567
TOTAL	\$5,976,109	\$7,936,711	\$7,866,680	\$21,779,501

Table 3 below provides the 2018 Task 1 and Task 2 work performed by district in miles cleared and acres sprayed.

Table 3: 2018 Actual District Mileage Performed Task 1 & 2 Mileage				
Work Task	Ashland	Hazard	Pikeville	Kentucky Total
Task 1	72.7	60.7	82.3	215.7
Task 2	370.9	497.5	472.5	1340.9
Total Re-Clear Miles	443.6	558.2	554.8	1556.6
Acres Sprayed	644.4	958.5	1654.5	3257.4

Attachment 1 to this report details the 2018 Task 1 vegetation management work and expenditures by circuit. Attachment 2 similarly reports the 2018 Task 2 vegetation management work and expenditures by circuit. Both attachments provide 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 provides total system reliability indices for Kentucky Power’s distribution system from 2010 (when the Vegetation Management Program began) through December 31, 2018.

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

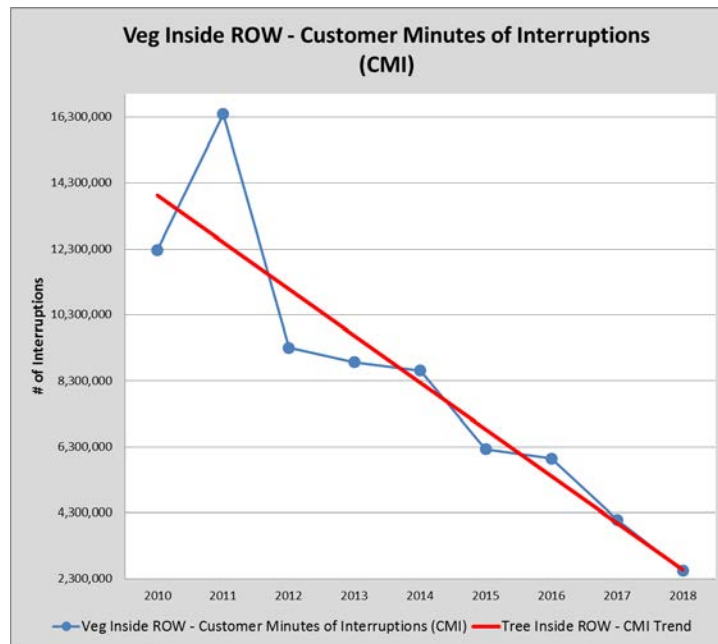
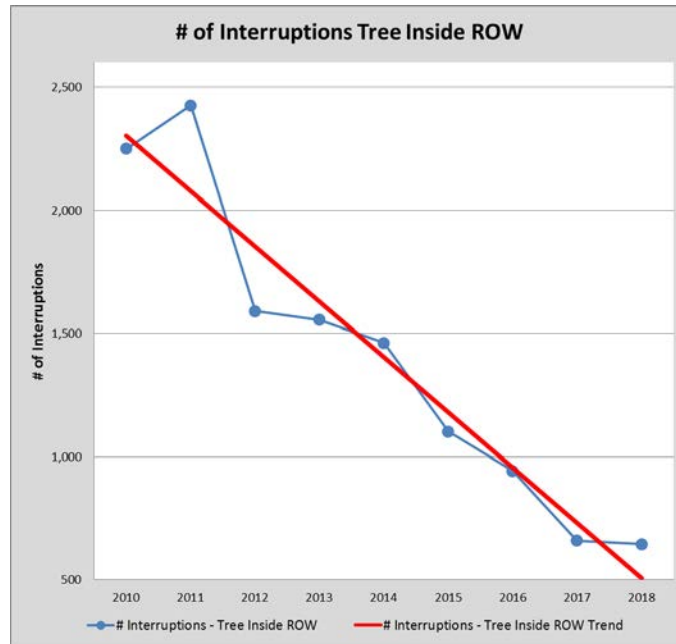
Table 4 and Table 5 include data relating to the System Average Interruption Frequency Index (“SAIFI”), the Customer Average Interruption Duration Index (“CAIDI”), and the System Average Interruption Duration Index (“SAIDI”) for each reporting period. Excluded from the calculation of the indices are major events as defined by IEEE standard 1366.

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	206.77	484.2

Year	Tree Inside Right-of-Way SAIFI	Tree Inside Right-of-Way CAIDI	Tree Inside Right-of-Way SAIDI
2010	0.3714	190.8	70.87
2011	0.4192	227.4	95.32
2012	0.2562	258.8	66.31
2013	0.2815	184.3	51.88
2014	0.2154	236.3	50.89
2015	0.1782	207.6	37.00
2016	0.1719	207.2	35.61
2017	0.1137	216.7	24.63
Avg (2010 - 17)	0.2509	216.1	54.06
2018	0.0745	204.8	15.26

Table 5 highlights the efficacy of the Company’s Distribution Vegetation Management Program. The 2018 Tree Inside Right-of-Way SAIFI and SAIDI metrics are respectively 70.3% below, and 71.8% below the average Tree Inside Right-of-Way SAIFI, and SAIDI metrics for the period 2010-2017. The CAIDI metrics remained flat for this same time period: an average duration of 216.1 minutes vs. the 2018 metric of 204.8 minutes. This is consistent with the nature of CAIDI, which measures the duration or amount of time for crews to respond, assess and identify the trouble, and remove any debris that may have caused the outage.

Since the Distribution Vegetation Management Program began in July 2010, the annual number of Tree Inside Right-of-Way outages (excluding major event days) has been reduced by approximately 71.3%, from 2,250 to 645. The annual number of customer minutes of interruption (CMI) associated with these events has been reduced by approximately 79.3%, from 12,280,664 to 2,539,186.



Vegetation Management Program-to-Date Expenditures

Kentucky Power filed vegetation management plans indicating it would spend \$176,863,044 on Vegetation Management O&M from the beginning of the program July 1, 2010 through December 31, 2018. In that period, the Company spent \$178,737,669, or \$1,874,625 (1.06%) more than planned.

Kentucky Power has trimmed 656,724 trees, cleared 20,029 acres (31.3 square miles) of brush, sprayed 22,178 acres to control vegetation, and removed 2,224,797 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. The Settlement Agreement contemplated that the Company would transition to a five-year cycle based vegetation management plan effective July 1, 2019. 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 effective January 19, 2019 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 account reflects the Company’s obligation to make \$27,661,060 in Vegetation Management O&M expenditures annually from July 1, 2015³ through December 31, 2017. Consistent with the Commission’s order in Case No. 2017-00179, and Table 9 (page 46) of Company Witness Phillips’ direct testimony in that case, the 2018 balancing account target was \$21,638,766. The balancing account balance at December 31, 2018 was \$224,340.

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
Total	\$90,791,416	\$91,015,756	\$224,340

³ July 1, 2015 through December 31, 2015 expenditures were prorated using 50% of \$27,661,060 to reflect the effective date of the increased expenditures associated with the establishment of the balancing account.

Attachment Description

The following attachments are incorporated in this report:

Attachment 1 – provides a detailed summary of Task 1 work completed in 2018 at circuit level within each district.

Attachment 2 – provides a detailed summary of Task 2 work completed in 2018 at circuit level within each district.

Attachment 3 – provides the five-year cycle plan for 2019 at circuit level by district.

Attachment 4 – provides the updated Spray plan for 2019 at the district level.

Attachment 5 – provides a recapitulation of updated planned 2019 O&M expenditures (including amounts that cannot be allocated on a circuit basis) by district and projected 2019 capital expenditures by district. The 2019 capital expenditures include, as was detailed in the Company's 2019 Vegetation Management Plan, a pilot capital investment program to widen the Company's existing rights-of-way to address outside of the right-of-way causes of outages, including particularly, trees killed by the emerald ash borer.

Attachment 1 – Task 1 work completed in 2018

2018 KY POWER FORESTRY CIRCUIT HISTORY				Task 1 - Ashland District							Costs that were not allocated to a circuit include; internal labor & fleet costs, some unscheduled hotspot maintenance, trouble restoration work, tree ticket investigation, and tree contractors' field supervision.				
Circuit Number	Circuit data in BOLD represent Full-Circuit Reclearing			Reclearing Miles Planned	Reclearing Miles Complete	Tree Trim	Tree Removal	Brush Cut (acres)	Brush Spray (acres)	Tree Growth Regulator	COMMENTS				
	Circuit Name	Cost (includes O&M and Capital)	Total Line Miles												
3000303	Bellefonte - Bellefonte	\$115,655.45	57.7	2.1	2.1	491	527	51.2	0.0		Finish Full Circuit Clearing				
3001002	Hitchens - Willard	\$608,899.32	152.0	41.0	41.0	2,336	6,652	65.4	0.0		Finish Full Circuit Clearing				
3001004	Hitchens - EK Road	\$516,429.56	31.4	29.4	29.4	2,455	4,062	221.4	0.0		Finish Full Circuit Clearing				
3116701	Belhaven - Diederich	\$15,480.98	19.5	0.2	0.2	49	37	0.3	0.0		Finish Full Circuit Clearing				
3000201	Big Sandy - Fallsburg South	\$33,814.56	96.6	0.0	0.0	0	0	0.0	79.5		Ground Spray				
3000601	Grahn - Distribution	\$34,449.54	41.9	0.0	0.0	0	0	0.0	53.4		Ground Spray				
3000801	Hayward - Halderman	\$125,739.92	118.7	0.0	0.0	0	0	0.0	199.7		Ground Spray				
3000802	Hayward - Lawton	\$41,084.76	36.8	0.0	0.0	0	0	0.0	84.2		Ground Spray				
3008702	Cannonsburg - Rt. 3	\$22,747.10	98.5	0.0	0.0	0	0	0.0	38.4		Ground Spray				
3103103	Olive Hill - West Carter Elem	\$54,820.36	38.7	0.0	0.0	0	0	0.0	92.7		Ground Spray				
3116101	Grayson - Lansdowne	\$19,678.40	35.1	0.0	0.0	0	0	0.0	22.2		Ground Spray				
3116102	Grayson - Dixie Park	\$7,001.01	33.1	0.0	0.0	0	0	0.0	4.1		Ground Spray				
ASHLAND DISTRICT Totals		\$1,595,800.96		72.7	72.7	5,331	11,278	338.3	574.1	0.0					

2018 KY POWER FORESTRY CIRCUIT HISTORY				Task 1 - Hazard District							Costs that were not allocated to a circuit include; internal labor & fleet costs, some unscheduled hotspot maintenance, trouble restoration work, tree ticket investigation, and tree contractors' field supervision.				
Circuit Number	Circuit data in BOLD represent Full-Circuit Reclearing			Reclearing Miles Planned	Reclearing Miles Complete	Tree Trim	Tree Removal	Brush Cut (acres)	Brush Spray (acres)	Tree Growth Regulator	COMMENTS				
	Circuit Name	Cost (includes O&M and Capital)	Total Line Miles												
3310501	Haddix - Quicksand	\$696,936.41	116.0	57.2	57.2	2,151	11,777	86.7	9.1		Finish Full Circuit Clearing				
3310503	Haddix - Troublesome	\$0.00	97.0	3.5	3.5						Finish Full Circuit Clearing				
3301101	Chaves - Chaves	\$57,784.71	67.9	0.0	0.0	0	0	0.0	123.79		Ground Spray				
3309302	Vicco - Jeff	\$52,671.38	88.4	0.0	0.0	50	247	1.7	100.8		Widening and Ground Spray				
3309902	Slemp - Leatherwood	\$16,606.93	70.8	0.0	0.0	0	0	0.0	50.2		Ground Spray				
3312901	Jenkins - Kona	\$9,034.28	26.0	0.0	0.0	0	3	0.0	20.7		Capital Removals and Ground Spray				
3401301	Fleming - Neon	\$11,601.55	20.4	0.0	0.0	7	27	0.0	18.7		Ground Spray and Quality of Service				
3401302	Fleming - McRoberts	\$16,885.21	30.0	0.0	0.0	0	0	0.0	28.4		Ground Spray				
3420001	Softshell - Vest	\$12,325.48	54.4	0.0	0.0	0	0	0.0	57.1		Ground Spray				
HAZARD DISTRICT Totals		\$873,845.95		60.7	60.7	2,208	12,054	88.4	408.9	0.0					

2018 KY POWER FORESTRY CIRCUIT HISTORY				Task 1 - Pikeville District							Costs that were not allocated to a circuit include; internal labor & fleet costs, some unscheduled hotspot maintenance, trouble restoration work, tree ticket investigation, and tree contractors' field supervision.				
Circuit Number	Circuit data in BOLD represent Full-Circuit Reclearing			Reclearing Miles Planned	Reclearing Miles Complete	Tree Trim	Tree Removal	Brush Cut (acres)	Brush Spray (acres)	Tree Growth Regulator	COMMENTS				
	Circuit Name	Cost (includes O&M and Capital)	Total Line Miles												
2150105	Sprigg - Matewan	\$152,673.85	8.0	8.0	8.0	756	3410	15.8	13.3		Full Circuit Clearing				
3150502	Borderland - Chattaroy	\$95,628.85	10.2	5.5	5.5	241	981	9.8	0.0		Finish Full Circuit Clearing				
3200301	Belfry - Belfry	\$253,902.79	17.4	12.9	12.9	879	3777	15.8	8.5		Finish Full Circuit Clearing				
3200302	Belfry - Toler	\$97,175.82	29.0	2.1	2.1	108	269	1.5	103.0		Finish Full Circuit Clearing				
3400303	Betsy Layne - Harold	\$136,311.39	54.5	4.0	4.0	269	790	1.8	0.0		Finish Full Circuit Clearing				
3402001	Keyser - Thompson Road	\$166,738.26	16.6	15.9	15.9	507	1357	10.6	0.0		Full Circuit Clearing				
3402002	Keyser - Stonecoal	\$301,509.71	37.3	17.3	17.3	859	3857	35.0	0.0		Finish Full Circuit Clearing				
3408402	Kimper - Grapevine	\$385,164.65	35.8	15.8	15.8	521	5097	35.4	1.0		Finish Full Circuit Clearing				
3421002	Breaks - Grassy	\$8,075.42	4.0	0.8	0.8	3	96	1.1	0.0		Finish Full Circuit Clearing				
3200201	Barrenshe - Freeburn	\$43,057.33	12.1	0.0	0.0	0	0	0.0	60.3		Ground Spray				
3201001	Tom Watkins-Upper Pond Creek	\$78,286.83	28.8	0.0	0.0	0	64	7.2	97.9		Ground Spray				
3401002	Elwood - Virgie	\$24,864.11	80.5	0.0	0.0	0	0	0.0	29.3		Ground Spray				
3401702	Henry Clay - Regina	\$310,139.19	113.6	0.0	0.0	0	0	0.0	366.5		Ground Spray				
3401801	Index - Distribution	\$47,132.42	55.1	0.0	0.0	0	1	0.0	89.2		Ground Spray and Capital Removal				
3404301	Sidney - Big Creek	\$73,841.00	25.3	0.0	0.0	0	0	0.0	117.9		Ground Spray				
3411401	Dewey - Inez - A	\$189,386.66	171.2	0.0	0.0	0	0	0.0	320.3		Ground Spray				
3417602	New Camp - Arh - W Wmsn	\$41,722.08	21.5	0.0	0.0	1	17	0.0	51.3		Ground Spray and Capital Removals				
PIKEVILLE DISTRICT Totals		\$2,405,610.36		82.3	82.3	4,144	19,716	134.0	1,258.3	0.0					

KY POWER Task 1 Totals	\$4,875,257.27		215.7	215.7	11,683	43,048	560.6	2,241.4	0.0	
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Attachment 2 – Task 2 work completed in 2018 Ashland District

2018 KY POWER FORESTRY CIRCUIT HISTORY				Costs that were not allocated to a circuit include; internal labor & fleet costs, some unscheduled hotspot maintenance, trouble restoration work, tree ticket investigation, and tree contractors' field supervision.							
Ashland District - Task 2											
Circuit Number	Circuit Name	Cost (includes O&M and Capital)	Total Line Miles	Reclearing Miles Planned	Reclearing Miles Complete	Tree Trim	Tree Removal	Brush Cut (acres)	Brush Spray (acres)	Tree Growth Regulator	COMMENTS
3000201	Big Sandy - Fallsburg South	\$727,846.76	96.6	57.0	57.0	3,067	7,301	90.1	1.0		Finish Interim Reclear
3000801	Hayward - Haldeman	\$926,340.28	118.7	86.9	89.8	4,063	4,462	83.0	4.8		Begin Interim Reclear
3001101	Hoods Creek - Summitt	\$208,704.21	22.5	22.5	22.5	1,410	1,058	21.6	0.0		Interim Reclear
3007906	Busseyville - Walbridge	\$216,844.19	95.1	72.0	20.0	679	1,903	40.4	0.0		Begin Interim Reclear
3008001	47th Street - 49th Street	\$389,224.94	25.4	25.4	25.4	1,625	575	15.1	0.0		Interim Reclear
3008702	Cannonsburg - Route 3	\$1,105,334.32	98.5	83.3	83.3	4,823	10,965	135.8	64.5		Finish Interim Reclear
3010601	Russell - Kenwood	\$316,052.27	20.2	20.2	20.2	1,401	1,262	11.6	0.0		Interim Reclear
3110901	Wurtland - Wurtland	\$5,366.62	1.5	1.5	1.5	9	25	1.1	0.0		Interim Reclear
3110902	Wurtland - Greenup	\$506,542.46	51.2	51.2	51.2	1,534	4,152	91.4	0.0		Interim Reclear
3000202	Big Sandy - Burnaugh North	\$9,345.28	84.9	0.0	0.0	0	0	2.6	0.0		Mowing
3001202	Howard Collins - 29th St.	\$1,407.55	13.4	0.0	0.0	0	1	0.0	0.0		Capital Work
3001204	Howard Collins - Summitt	\$790.47	25.7	0.0	0.0	0	3	0.0	0.0		Capital Work
3001401	Louisa - City	\$157.04	10.0	0.0	0.0	1	0	0.0	0.0		Quality of Service Work
3002107	10th Street - West Central	\$296.78	15.6	0.0	0.0	1	0	0.0	0.0		Quality of Service Work
3003701	Coalton - US 60 W	\$31,952.02	87.5	0.0	0.0	0	0	14.7	0.0		Mowing
3003703	Coalton - Trace Creek	\$27,025.26	82.5	0.0	0.0	0	0	17.0	0.0		Mowing
3008701	Cannonsburg - Cannonsburg	\$37,889.21	62.6	0.0	0.0	16	39	17.4	0.0		Mowing and Quality of Service Work
3103101	Olive Hill - Globe	\$82,933.56	120.7	0.0	0.0	0	0	47.5	0.0		Mowing
3116101	Grayson - Lansdowne	\$4,168.15	35.1	0.0	0.0	0	2	3.2	0.0		Quality of Service Work
3117601	Princess - Meade Station	\$1,585.50	46.8	0.0	0.0	6	0	0.0	0.0		Quality of Service Work
ASHLAND DISTRICT Totals		\$4,599,806.87		420.0	370.9	18,635	31,748	592.3	70.3	0	

Attachment 2 – Task 2 work completed in 2018 Hazard District

2018 KY POWER FORESTRY CIRCUIT HISTORY					Costs that were not allocated to a circuit include; internal labor & fleet costs, some unscheduled hotspot maintenance, trouble restoration work, tree ticket investigation, and tree contractors' field supervision.							
Hazard District - Task 2												
Circuit Number	Circuit Name	Cost (includes O&M and Capital)	Total Line Miles	Reclearing Miles Planned	Reclearing Miles Complete	Tree Trim	Tree Removal	Brush Cut (acres)	Brush Spray (acres)	Tree Growth Regulator	COMMENTS	
3301101	Chavies - Chavies	\$40,778.02	67.9	0.6	0.6	64	383	0.7	43.0		Remote Location Capital and Outage Work	
3301701	Daisy - Leatherwood	\$138,248.40	88.4	12.4	16.9	505	1,516	25.7	3.8		Begin Interim Reclear	
3302704	Hazard - Kenmont	\$288,870.35	19.8	19.8	19.8	956	4,056	48.7	1.9		Interim Reclear	
3303901	Leslie - Hyden	\$84,280.50	89.8	3.1	3.1	75	3,000	8.7	6.1		Remote Location Capital and Outage Work	
3303903	Leslie - Hals Fork	\$548,439.39	76.6	76.6	46.0	1,543	12,140	148.2	3.9		Begin Interim Reclear	
3307301	Bulan - Ary Hiner	\$773,014.21	52.7	52.7	52.0	1,340	7,392	141.9	1.1		Interim Reclear	
3307302	Bulan - Ajax Dwarf	\$514,278.47	40.5	40.5	39.7	1,993	9,745	94.3	1.4		Interim Reclear	
3307303	Bulan - Lotts Creek	\$39,717.61	2.2	2.2	2.2	13	562	13.7	0.0		Interim Reclear	
3308401	Beckham - Hindman	\$414,604.66	102.6	25.4	25.4	997	5,433	75.4	50.9		Finish Interim Reclear	
3308402	Beckham - Carr Creek	\$451,890.31	51.6	51.4	51.4	1,718	7,236	105.3	0.8		Finish Interim Reclear	
3308403	Beckham - Pippa Passes	\$0.00	63.4	23.9	20.5	0	0	0.0	0.0		Begin Interim Reclear - Worked under Carr	
3308502	Bonnyman - Hazard	\$623,555.97	65.5	20.0	22.6	1,511	1,405	1.3	2.1		Begin Interim Reclear	
3308503	Bonnyman - Big Creek	\$793,138.91	87.4	74.8	61.0	2,520	14,722	128.9	56.3		Finish Interim Reclear	
3308602	Collier - Lower Rockhouse	\$553,242.53	62.8	42.8	42.8	2,587	9,605	129.6	2.3		Finish Interim Reclear	
3309003	Jeff - Viper	\$199,942.11	67.0	9.9	10.5	519	828	3.3	5.1		Begin Interim Reclear	
3309102	Whitesburg - Hospital	\$258,063.97	7.8	7.8	7.8	187	1,538	0.0	0.0		Interim Reclear	
3311103	Stinnett - Wendover	\$583,451.87	36.7	36.7	36.7	2,358	10,722	85.6	1.0		Interim Reclear	
3312902	Jenkins - Jenkins	\$273,383.30	22.6	22.6	22.6	749	5,702	79.0	1.1		Interim Reclear	
3409503	Burdine - Jenkins	\$349,274.19	8.2	7.2	7.2	989	591	0.0	0.5		Finish Interim Reclear	
3451202	Beehide - Dunham	\$108,940.60	8.7	8.7	8.7	368	2,781	26.5	0.4		Interim Reclear	
3300602	Bluegrass - Hazard	\$1,335.74	11.1	0.0	0.0	0	0	0.0	1.5		Vine Spray	
3301401	Combs - Combs	\$20,850.74	9.4	0.0	0.0	0	0	0.0	65.2		Ground Spray	
3301402	Combs - Airport Garden	\$50,494.56	42.3	0.0	0.0	0	0	0.0	122.7		Ground Spray	
3302701	Hazard - Black Gold	\$5,346.68	30.6	0.0	0.0	10	60	1.0	2.1		Capital Work	
3302703	Hazard - Hazard	\$955.82	11.0	0.0	0.0	0	0	0.0	1.0		Vine Spray	
3303902	Leslie - Wooton	\$13,745.74	129.9	0.0	0.0	0	194	0.0	8.8		Capital Work and Vines	
3308002	Jackson - Panbow	\$1,495.23	31.4	0.0	0.0	0	0	0.0	1.8		Vine Spray	
3308601	Collier - Upper Rockhouse	\$955.35	37.3	0.0	0.0	0	0	0.0	0.5		Vine Spray	
3308603	Collier - Smoot Creek	\$4,305.14	79.7	0.0	0.0	1	134	0.3	0.4		Capital and Quality of Service Work	
3309001	Jeff - Boone Ledge	\$3,540.38	5.0	0.0	0.0	0	3	0.0	7.4		Ground Spray and Capital Work	
3309002	Jeff - Jeff	\$4,594.85	5.7	0.0	0.0	2	15	0.0	1.3		Quality of Service Work	
3309101	Whitesburg - Whitesburg	\$1,967.92	8.7	0.0	0.0	0	0	0.0	3.3		Ground Spray	
3309103	Whitesburg - Cowan	\$5,730.63	43.8	0.0	0.0	9	44	0.3	0.6		Capital and Quality of Service Work	
3309104	Whitesburg - Crafts Colley	\$8,957.04	27.9	0.0	0.0	0	60	0.0	1.5		Capital and Quality of Service Work	
3309301	Vicco - Red Fox	\$6,337.25	47.9	0.0	0.0	3	78	0.2	1.8		Quality of Service Work	
3309302	Vicco - Jeff	\$4,482.83	88.4	0.0	0.0	0	0	0.0	0.8		Vine Spray	
3309901	Slemp - Defeated Cr.	\$936.84	13.5	0.0	0.0	0	0	0.0	0.2		Vine Spray	
3310502	Haddix - Canoe	\$2,921.50	123.8	0.0	0.0	0	0	0.0	2.7		Vine Spray	
3311101	Stinnett - Redbird	\$30,293.45	118.0	0.0	0.0	0	0	0.0	43.0		Ground Spray	
3311102	Stinnett - Beech Fork	\$6,139.39	9.6	0.0	0.0	0	0	0.0	18.2		Ground Spray	
3311401	Reedy - Deane	\$40,202.09	45.4	0.0	0.0	0	0	0.0	68.7		Ground Spray	
3311701	Shamrock - Shamrock	\$5,601.02	28.7	0.0	0.0	86	19	0.0	2.0		Quality of Service Work	
3312202	Engle - Grapevine 34.5	\$1,681.47	100.2	0.0	0.0	1	3	0.0	0.3		Quality of Service Work	
3312901	Jenkins - Kona	\$5,390.02	26.0	0.0	0.0	0	0	0.0	10.4		Ground Spray	
3314401	Mayking - Ermine	\$681.35	28.1	0.0	0.0	0	0	0.0	0.6		Vine Spray	
3314402	Mayking - Millstone	\$3,541.13	53.5	0.0	0.0	0	77	0.7	0.7		Capital and Quality of Service Work	
3420002	Softshell - Leburn	\$2,455.08	49.6	0.0	0.0	0	3	0.0	0.5		Capital Work	
HAZARD DISTRICT Totals		\$7,272,054.61		539.1	497.5	21,104	100,047	1,119.3	549.6	0		

Attachment 2 – Task 2 work completed in 2018 Pikeville District

2018 KY POWER FORESTRY CIRCUIT HISTORY				Costs that were not allocated to a circuit include; internal labor & fleet costs, some unscheduled hotspot maintenance, trouble restoration work, tree ticket investigation, and tree contractors' field supervision.							
Pikeville District - Task 2											
Circuit Number	Circuit Name	Cost (includes O&M and Capital)	Total Line Miles	Reclearing Miles Planned	Reclearing Miles Complete	Tree Trim	Tree Removal	Brush Cut (acres)	Brush Spray (acres)	Tree Growth Regulator	COMMENTS
2150103	Sprigg - Sprigg	\$96,630.36	9.0	9.0	9.0	551	1,174	16.0	0.0		Interim Reclear
2150501	Borderland - Nolan	\$143,651.47	18.5	18.5	18.5	675	1,993	35.3	0.0		Interim Reclear
2153502	Middle Burning Creek - Naugatuck	\$2,033.97	1.0	1.0	1.0	2	28	0.6	0.0		Interim Reclear
2970603	Hurley - Race Fork	\$8,964.77	4.3	4.3	4.3	21	223	4.1	0.0		Interim Reclear
3200301	Belfry - Belfry	\$52,524.99	17.5	4.6	4.6	287	817	5.4	0.0		Finish Interim Reclear
3202202	Lovely - Wolf Creek	\$874,224.44	60.9	60.9	60.9	2,322	7,881	151.8	0.5		Interim Reclear
3202203	Lovely - Mt. Sterling	\$100,194.66	13.1	13.1	13.1	454	1,431	27.9	0.0		Interim Reclear
3308402	Beckham - Carr Creek	\$227,057.47	7.0	7.0	7.0	414	1,303	0.0	0.0		Interim Reclear
3400301	Betsy Layne - Mud Creek	\$467,497.78	77.5	57.0	44.6	1,405	6,219	109.9	3.4		Interim Reclear
3400701	Draffin - Belcher	\$217,603.61	21.4	21.4	21.4	401	2,127	51.8	0.0		Interim Reclear
3400702	Draffin - Yellow Hill	\$234,836.38	11.8	11.8	11.8	243	3,298	31.5	0.0		Interim Reclear
3408101	Salisbury - Printer	\$229,030.42	19.6	19.6	19.6	973	2,283	41.2	0.0		Interim Reclear
3408102	Salisbury - Black Diamond	\$0.00	1.5	1.5	1.5	0	0	0.0	0.0		Interim Reclear - Double Circuit with Printer
3408103	Salisbury - Martin	\$289,575.43	46.7	46.7	46.7	1,090	4,258	98.4	0.0		Interim Reclear
3409502	Burdine - Levisa	\$173,795.66	39.9	39.9	14.0	92	1,687	37.6	0.0		Interim Reclear
3410502	South Pikeville - Island Creek	\$274,923.89	38.5	38.5	13.0	233	2,067	48.8	0.0		Interim Reclear
3410503	South Pikeville - Hospital	\$68,875.78	5.7	5.7	5.7	90	377	10.4	0.0		Interim Reclear
3411801	Johns Creek - Meta	\$665,432.60	167.0	30.0	52.6	1,404	5,650	141.1	0.0		Begin Interim Reclear
3411901	Fords Branch - Shelby	\$549,354.53	40.5	40.5	40.4	1,210	5,033	81.1	0.0		Interim Reclear
3411902	Fords Branch - Robinson Creek	\$1,175,340.61	69.9	69.9	69.5	1,810	11,458	170.9	0.0		Interim Reclear
3412901	Weeksbury - Distribution	\$0.00	26.5	26.5	0.0	0	0	0.0	0.0		Interim Reclear - Deferred to 2019
3417601	New Camp - Southside	\$86,736.57	10.1	10.1	10.1	64	786	32.6	0.0		Interim Reclear
3421002	Breaks - Grassy	\$32,301.66	4.0	0.0	3.2	10	385	4.5	0.0		Interim Reclear
3200202	Barrenshe - Vulcan - A	\$150,358.35	45.2	0.0	0.0	13	162	3.1	231.0		Ground Spray and Capital Work
3200204	Barrenshe - Pounding Mill	\$60,897.90	16.1	0.0	0.0	33	269	0.9	0.0		Capital Work
3201001	Tom Watkins-Upper Pond Creek	\$2,873.42	28.8	0.0	0.0	0	36	0.6	0.0		Quality of Service Work
3401002	Elwood - Virgie	\$157,835.20	80.5	0.0	0.0	0	0	0.0	161.2		Ground Spray
3401101	Falcon - Oil Springs	\$1,262.40	48.0	0.0	0.0	0	0	0.0	0.0		Quality of Service Work
3401103	Falcon - Burning Fork	\$14,566.33	72.2	0.0	0.0	29	81	1.5	0.0		Capital and Quality of Service Work
3401702	Henry Clay - Regina	\$23,668.86	113.6	0.0	0.0	2	47	0.0	0.0		Capital Work
3402003	Keyser - Mullins	\$1,797.06	29.2	0.0	0.0	0	13	0.0	0.0		Quality of Service Work
3402202	McKinney - Gibson	\$23,954.97	41.9	0.0	0.0	0	182	0.2	0.0		Capital Work
3403003	Pikeville - Cedar Creek	\$2,683.14	23.5	0.0	0.0	6	2	0.0	0.0		Capital and Quality of Service Work
3403201	Beaver Creek - Ligon	\$1,308.37	80.2	0.0	0.0	1	14	0.0	0.0		Quality of Service Work
3403302	Prestonsburg - University	\$2,331.10	16.9	0.0	0.0	0	6	0.0	0.0		Capital Work
3403701	Russell Fork - Little Beaver	\$1,799.28	12.2	0.0	0.0	2	4	0.0	0.0		Capital and Quality of Service Work
3408303	Coleman - Peter Creek	\$6,415.34	39.3	0.0	0.0	0	39	0.0	0.0		Capital Work
3409002	W. Paintsville - Staffordsville	\$936.00	46.8	0.0	0.0	0	3	0.0	0.0		Quality of Service Work
3409302	Kenwood - Auxier	\$3,482.02	41.1	0.0	0.0	1	6	0.0	0.0		Capital and Quality of Service Work
3410602	E. Prestonsburg - Lancer	\$2,411.04	24.6	0.0	0.0	4	0	0.0	0.0		Quality of Service Work
3411802	Johns Creek - Raccoon	\$28,409.20	85.8	0.0	0.0	0	83	0.0	0.0		Capital Work
3420101	Mayo Trail-Nippa	\$5,184.44	22.5	0.0	0.0	8	14	0.0	0.0		Quality of Service Work
3420103	Mayo Trail - Davis Branch	\$984.00	32.6	0.0	0.0	0	2	0.0	0.0		Capital Work
PIKEVILLE DISTRICT Totals		\$6,463,745.47		537.5	472.5	13,850	61,441	1,107.3	396.2	0	
KY POWER Task 2 Totals		\$18,335,606.95		1,496.6	1,340.9	53,589	193,236	2,818.9	1,016.0	0.0	

Attachment 3 – 2019 VM 5 year Cycle Plan

2019 Kentucky Power Distribution VM Plan Five Year Cycle Maintenance Clearing					Costs that are not allocated to a circuit include: internal labor and fleet costs, unscheduled hotspot maintenance, tree ticket investigation, tree contractors' field supervision, ground and 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	Hayward	Haldeman	3000801	118.7	28.9	\$11,994	\$346,627	\$41,595	\$388,222	Finish Full Circuit Clearing, from 2018
ASH	Louisa	City	3001401	9.9	9.9	\$11,994	\$118,741	\$14,249	\$132,989	Full Circuit Clearing
ASH	Louisa	Highbottom	3001402	13.4	13.4	\$11,994	\$160,720	\$19,286	\$180,006	Full Circuit Clearing
ASH	South Shore	Siloam	3002001	38.5	38.5	\$11,994	\$461,769	\$55,412	\$517,181	Full Circuit Clearing
ASH	South Shore	Distribution	3002002	9.1	9.1	\$11,994	\$109,145	\$13,097	\$122,243	Full Circuit Clearing
ASH	10th Street	6th Street	3002101	0.6	0.6	\$11,994	\$7,196	\$864	\$8,060	Full Circuit Clearing
ASH	10th Street	12th Street	3002102	7.0	7.0	\$11,994	\$83,958	\$10,075	\$94,033	Full Circuit Clearing
ASH	10th Street	3rd Street	3002103	2.9	2.9	\$11,994	\$34,783	\$4,174	\$38,957	Full Circuit Clearing
ASH	10th Street	Midtown	3002104	3.7	3.7	\$11,994	\$44,378	\$5,325	\$49,703	Full Circuit Clearing
ASH	10th Street	Front Street	3002105	1.8	1.8	\$11,994	\$21,589	\$2,591	\$24,180	Full Circuit Clearing
ASH	10th Street	West Central	3002701	15.7	15.7	\$11,994	\$188,306	\$22,597	\$210,902	Full Circuit Clearing
ASH	Coalton	US 60 West	3003701	87.1	87.1	\$11,994	\$1,044,677	\$125,361	\$1,170,039	Full Circuit Clearing
ASH	Siloam	Distribution	3004301	18.1	18.1	\$11,994	\$217,091	\$26,051	\$243,142	Full Circuit Clearing
ASH	Busseyville	Torchlight	3007904	98.1	17.0	\$11,994	\$203,898	\$24,468	\$228,366	Begin Full Circuit Clearing
ASH	Busseyville	Walbridge	3007906	95.1	75.1	\$11,994	\$900,749	\$108,090	\$1,008,839	Finish Full Circuit Clearing, from 2018
ASH	47th Street	Cartlettsburg	3008003	26.8	26.8	\$11,994	\$321,439	\$38,573	\$360,012	Full Circuit Clearing
ASH	Cannonsburg	Cannonsburg	3008701	62.6	62.6	\$11,994	\$750,824	\$90,099	\$840,923	Full Circuit Clearing
ASH	Olive Hill	Globe	3103101	120.7	50.0	\$11,994	\$599,700	\$71,964	\$671,664	Begin Full Circuit Clearing
ASH	Princess	Meade	3117601	46.0	29.2	\$11,994	\$350,225	\$42,027	\$392,252	Begin Full Circuit Clearing
Ashland District Totals					497.4	\$11,994	\$5,965,816	\$715,898	\$6,681,713	

2019 Kentucky Power Distribution VM Plan Five Year Cycle Maintenance Clearing					Costs that are not allocated to a circuit include: internal labor and fleet costs, unscheduled hotspot maintenance, tree ticket investigation, tree contractors' field supervision, ground and 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	Daisy	Leatherwood	3301701	88.4	71.5	\$10,839	\$774,989	\$92,999	\$867,987	Finish Full Circuit Clearing, from 2018
HAZ	Leslie	Wooton	3303902	129.9	47.6	\$10,839	\$515,936	\$61,912	\$577,849	Begin Full Circuit Clearing
HAZ	Leslie	Hals Fork	3303903	76.6	30.6	\$10,839	\$331,673	\$39,801	\$371,474	Finish Full Circuit Clearing, from 2018
HAZ	Bulan	Ary Hiner	3307301	52.7	0.7	\$10,839	\$7,587	\$910	\$8,498	Finish Full Circuit Clearing, from 2018
HAZ	Bulan	Ajax Dwarf	3307302	40.5	0.8	\$10,839	\$8,671	\$1,041	\$9,712	Finish Full Circuit Clearing, from 2018
HAZ	Jackson	South Jackson	3308001	26.6	26.6	\$10,839	\$288,317	\$34,598	\$322,915	Full Circuit Clearing
HAZ	Jackson	Parbowl	3308002	31.4	31.4	\$10,839	\$340,345	\$40,841	\$381,186	Full Circuit Clearing
HAZ	Beckham	Pippa Passes	3308404	63.4	42.9	\$10,839	\$464,993	\$55,799	\$520,792	Finish Full Circuit Clearing, from 2018
HAZ	Bonnyman	Hazard	3308502	65.5	42.9	\$10,839	\$464,993	\$55,799	\$520,792	Finish Full Circuit Clearing, from 2018
HAZ	Bonnyman	Big Creek	3308503	87.4	13.8	\$10,839	\$149,578	\$17,949	\$167,528	Finish Full Circuit Clearing, from 2018
HAZ	Collier	Smoot Creek	3308603	79.7	79.7	\$10,839	\$863,868	\$103,664	\$967,532	Full Circuit Clearing
HAZ	Jeff	Jeff	3309002	5.7	5.7	\$10,839	\$61,782	\$7,414	\$69,196	Full Circuit Clearing
HAZ	Jeff	Viper	3309003	67.0	56.5	\$10,839	\$612,404	\$73,488	\$685,892	Finish Full Circuit Clearing, from 2018
HAZ	Shamrock	Shamrock	3311701	28.7	28.7	\$10,839	\$311,079	\$37,330	\$348,409	Finish Full Circuit Clearing, from 2018
HAZ	Engle	Industrial Park	3312201	4.1	4.1	\$10,839	\$44,440	\$5,333	\$49,773	Finish Full Circuit Clearing, from 2018
HAZ	Engle	Grapewine	3312202	100.2	53.0	\$10,839	\$574,467	\$68,936	\$643,403	Finish Full Circuit Clearing, from 2018
Hazard District Totals					536.5	\$10,839	\$5,815,124	\$697,815	\$6,512,938	

2019 Kentucky Power Distribution VM Plan Five Year Cycle Maintenance Clearing					Costs that are not allocated to a circuit include: internal labor and fleet costs, unscheduled hotspot maintenance, tree ticket investigation, tree contractors' field supervision, ground and 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	Barrenshe	Pounding Mill	3200204	16.1	16.1	\$10,849	\$174,669	\$20,960	\$195,629	Full Circuit Clearing
PKV	Betsy Layne	Mud Creek	3400301	77.5	32.9	\$10,849	\$356,932	\$42,832	\$399,764	Finish Full Circuit Clearing, from 2018
PKV	Burton	Bevinsville	3400601	19.6	19.6	\$10,849	\$212,640	\$25,517	\$238,157	Full Circuit Clearing
PKV	Burton	Wheelwright	3400602	20.8	20.8	\$10,849	\$225,659	\$27,079	\$252,738	Full Circuit Clearing
PKV	Falcon	Oil Springs	3401101	48.0	48.0	\$10,849	\$520,752	\$62,490	\$583,242	Full Circuit Clearing
PKV	McKinney	Gibson	3402202	41.9	41.9	\$10,849	\$454,573	\$54,549	\$509,122	Full Circuit Clearing
PKV	Pikeville	Main Street	3403002	6.4	6.4	\$10,849	\$69,434	\$8,332	\$77,766	Full Circuit Clearing
PKV	Beaver Creek	Ligon	3403201	80.2	80.2	\$10,849	\$870,090	\$104,411	\$974,501	Full Circuit Clearing
PKV	Beaver Creek	Price	3403202	25.7	25.7	\$10,849	\$278,819	\$33,458	\$312,278	Full Circuit Clearing
PKV	Prestonsburg	University	3403302	16.9	16.9	\$10,849	\$183,348	\$22,002	\$205,350	Full Circuit Clearing
PKV	Coleman	Peter Creek	3408303	39.3	39.3	\$10,849	\$426,366	\$51,164	\$477,530	Full Circuit Clearing
PKV	Coleman	Calloway	3408304	36.5	18.6	\$10,849	\$201,791	\$24,215	\$226,006	Begin Full Circuit Clearing
PKV	Burdine	Levisa	3409502	39.9	25.9	\$10,849	\$280,989	\$33,719	\$314,708	Finish Full Circuit Clearing, from 2018
PKV	South Pikeville	Island Creek	3410502	38.5	25.5	\$10,849	\$276,650	\$33,198	\$309,847	Finish Full Circuit Clearing, from 2018
PKV	Johns Creek	Meta	3411801	167.0	114.4	\$10,849	\$1,241,126	\$148,935	\$1,390,061	Finish Full Circuit Clearing, from 2018
PKV	Fords Branch	Shelby	3411901	40.5	0.1	\$10,849	\$1,085	\$130	\$1,215	Finish Full Circuit Clearing, from 2018
PKV	Fords Branch	Robinson Creek	3411902	69.9	0.4	\$10,849	\$4,340	\$521	\$4,860	Finish Full Circuit Clearing, from 2018
PKV	Weeksbury	Distribution	3412901	26.5	26.5	\$10,849	\$287,499	\$34,500	\$321,998	Full Circuit Clearing
PKV	Breaks	City	3421001	30.3	30.3	\$10,849	\$328,725	\$39,447	\$368,172	Full Circuit Clearing
Pikeville District Totals					589.5	\$10,849	\$6,395,486	\$767,458	\$7,162,944	
Kentucky Power Totals					1,623.4	\$11,197	\$18,176,425	\$2,181,171	\$20,357,596	

Attachment 4 – 2019 Distribution Spray Plan

Kentucky Power 2019 Distribution VM Spray Plan - Task 3		
District	Acres	O&M Budget
Ashland	800	\$500,000
Hazard	1,038	\$610,000
Pikeville	1,500	\$877,500
KY Total	3,338	\$1,987,500

Attachment 5 – 2019 Recapitulation of planned O&M and Capital Expenditures by District

Kentucky Power Company 2019 Distribution VM O&M Forestry Plan - Summary				
Activity	Total O&M	Ashland	Hazard	Pikeville
5 Year Cycle Maintenance	\$18,176,425	\$5,965,816	\$5,815,124	\$6,395,486
Spray - Ground and Aerial	\$1,987,500	\$500,000	\$610,000	\$877,500
Internal - KY Forestry Staff	\$756,986	\$252,329	\$252,329	\$252,329
Unscheduled/Reactive Maintenance	\$363,035	\$75,700	\$165,667	\$121,668
2019 Total 5 Yr. Cycle O&M Budget	\$21,283,946	\$6,793,844	\$6,843,119	\$7,646,982

Kentucky Power Company 2019 Distribution VM Capital Forestry Plan - Summary				
Activity	Total CAP	Ashland	Hazard	Pikeville
Capital Assoc. w/ 5 Yr. Cycle Maintenance	\$2,181,171	\$715,898	\$697,815	\$767,458
Internal - KY Forestry Staff	\$185,400	\$60,851	\$59,314	\$65,234
Capital Reliability Pilot Program	\$6,500,000	\$100,000	\$5,000,000	\$1,400,000
Internal - KY Forestry Staff	\$240,500	\$3,700	\$185,000	\$51,800
2019 Total Capital Budget	\$9,107,070	\$880,449	\$5,942,129	\$2,284,492